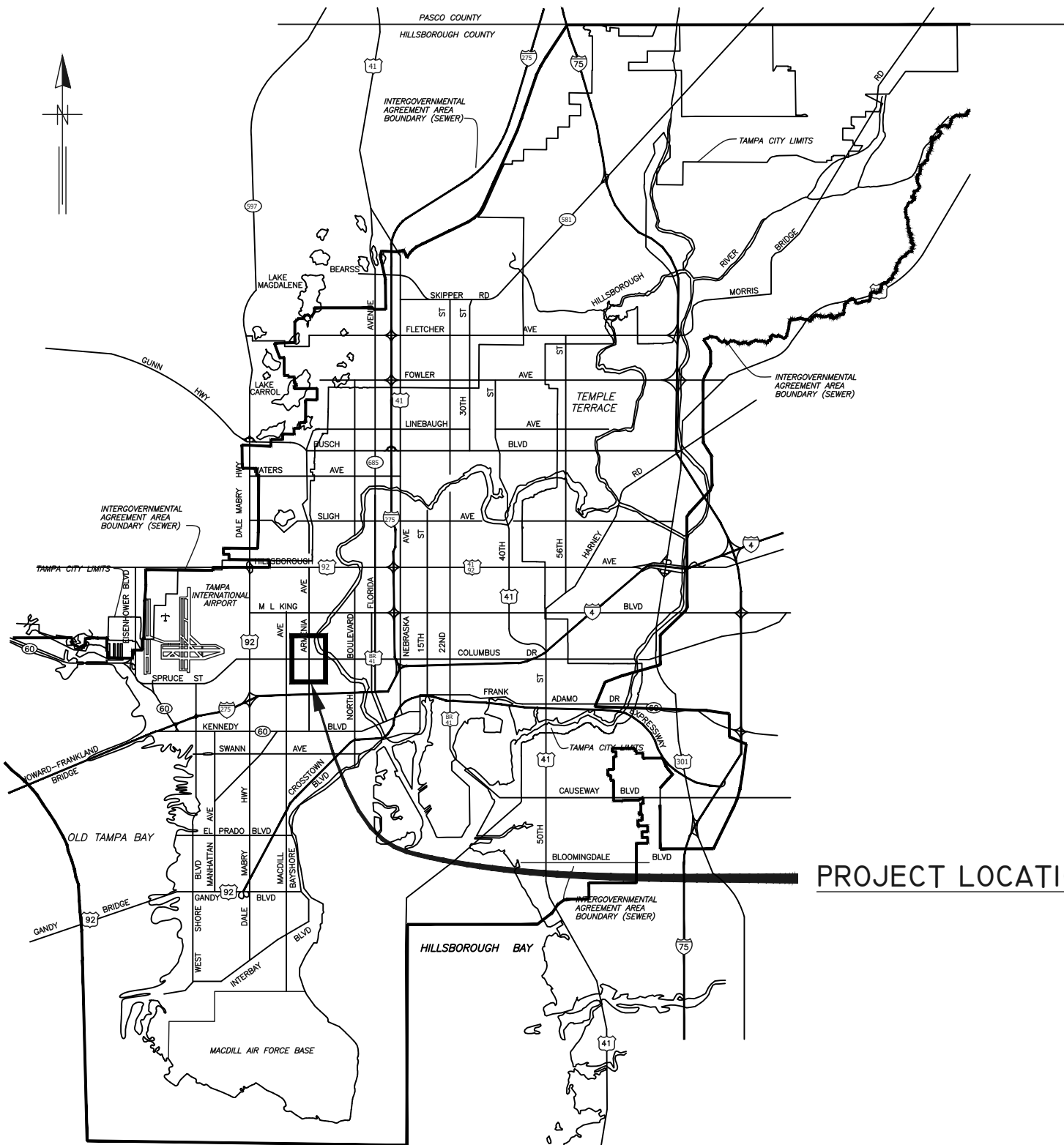
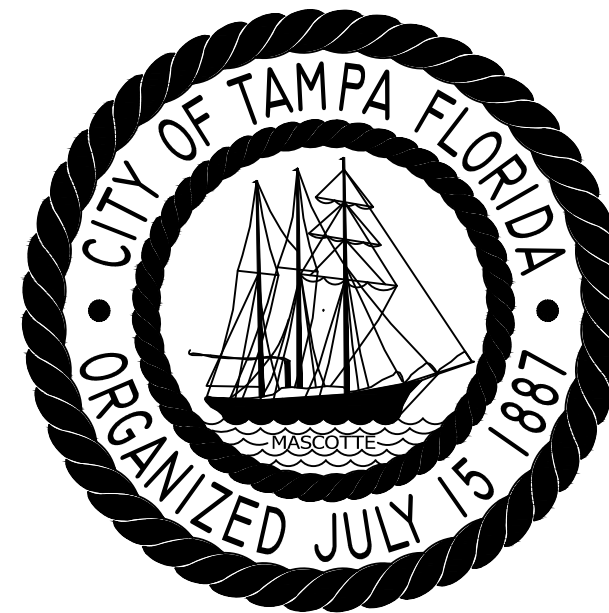


LOCATION MAP



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 20-90 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 - 90	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.

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DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

DES: DR
DRN: GP
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CITY of TAMPA
WASTEWATER DEPARTMENT

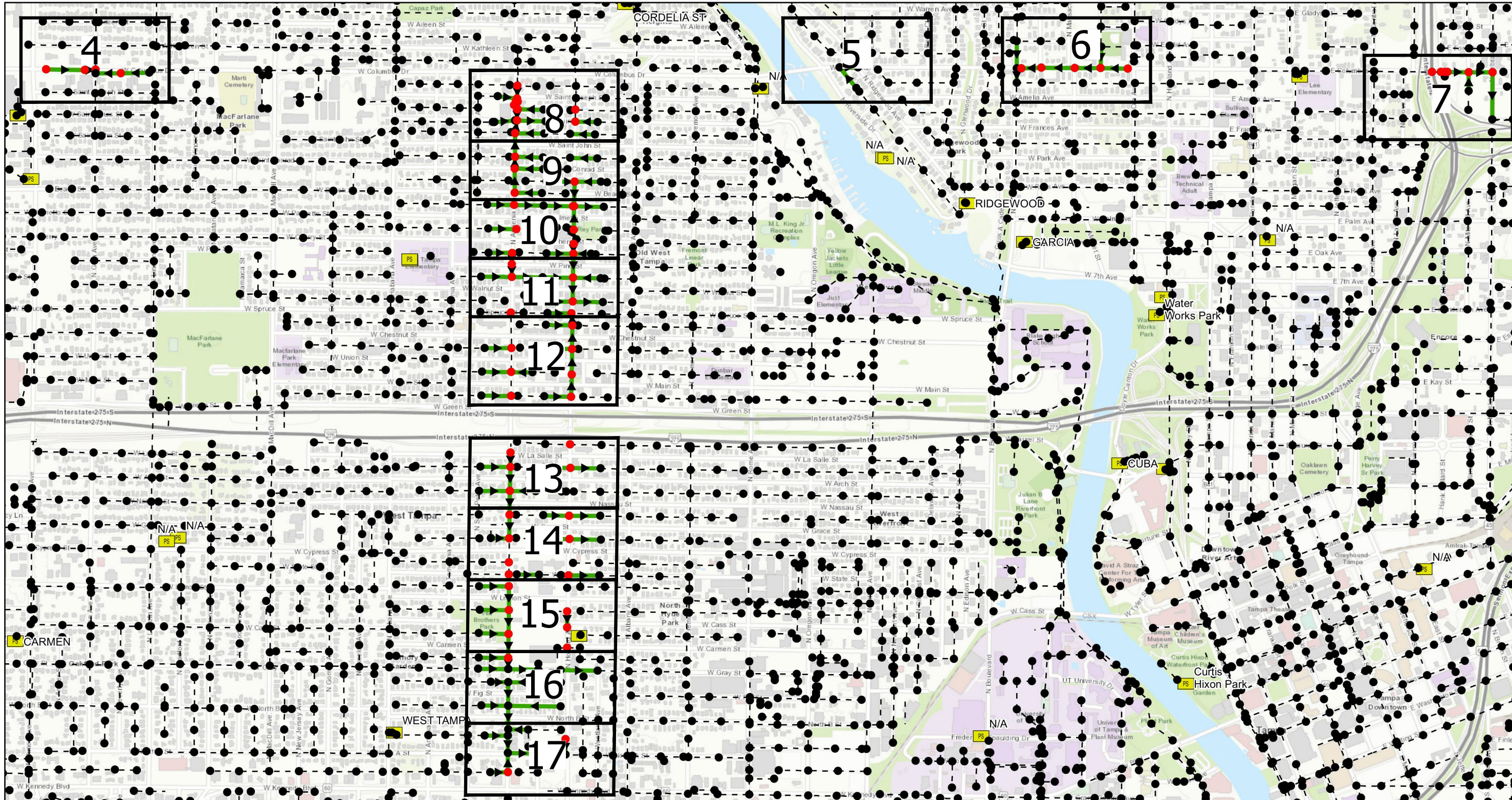
Armenia/Howard/Columbus CIPP Lining

NOTES

SHEET
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0 0.175 0.35 0.7 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

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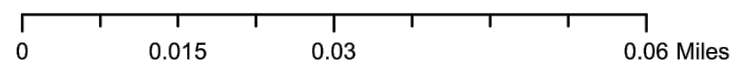
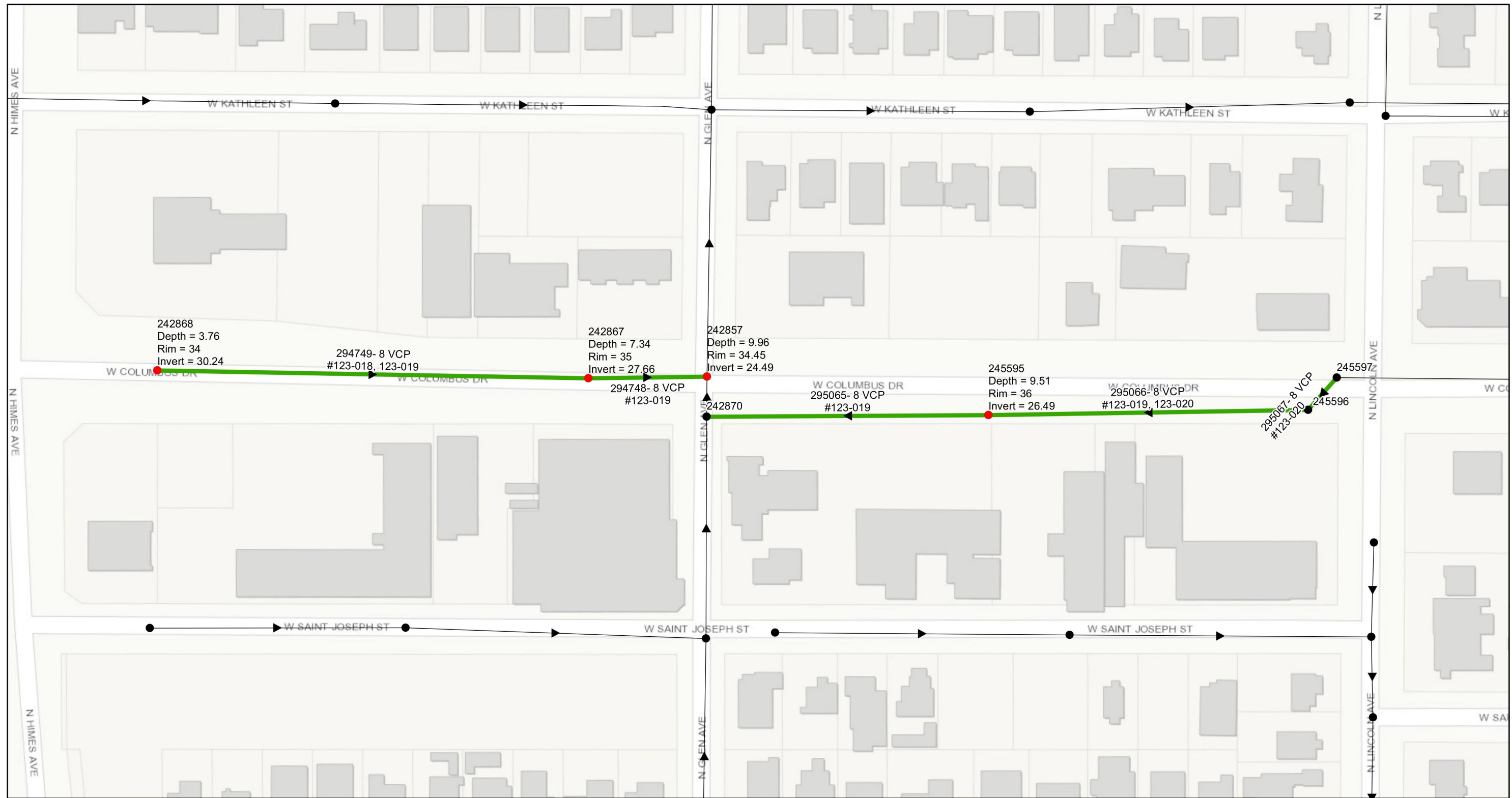
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Armenia/Howard/Columbus CIPP Lining
 OVERVIEW LOCATION MAP

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



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 WASTEWATER DEPARTMENT

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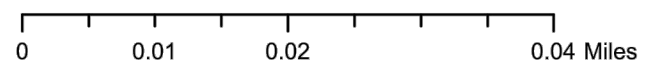
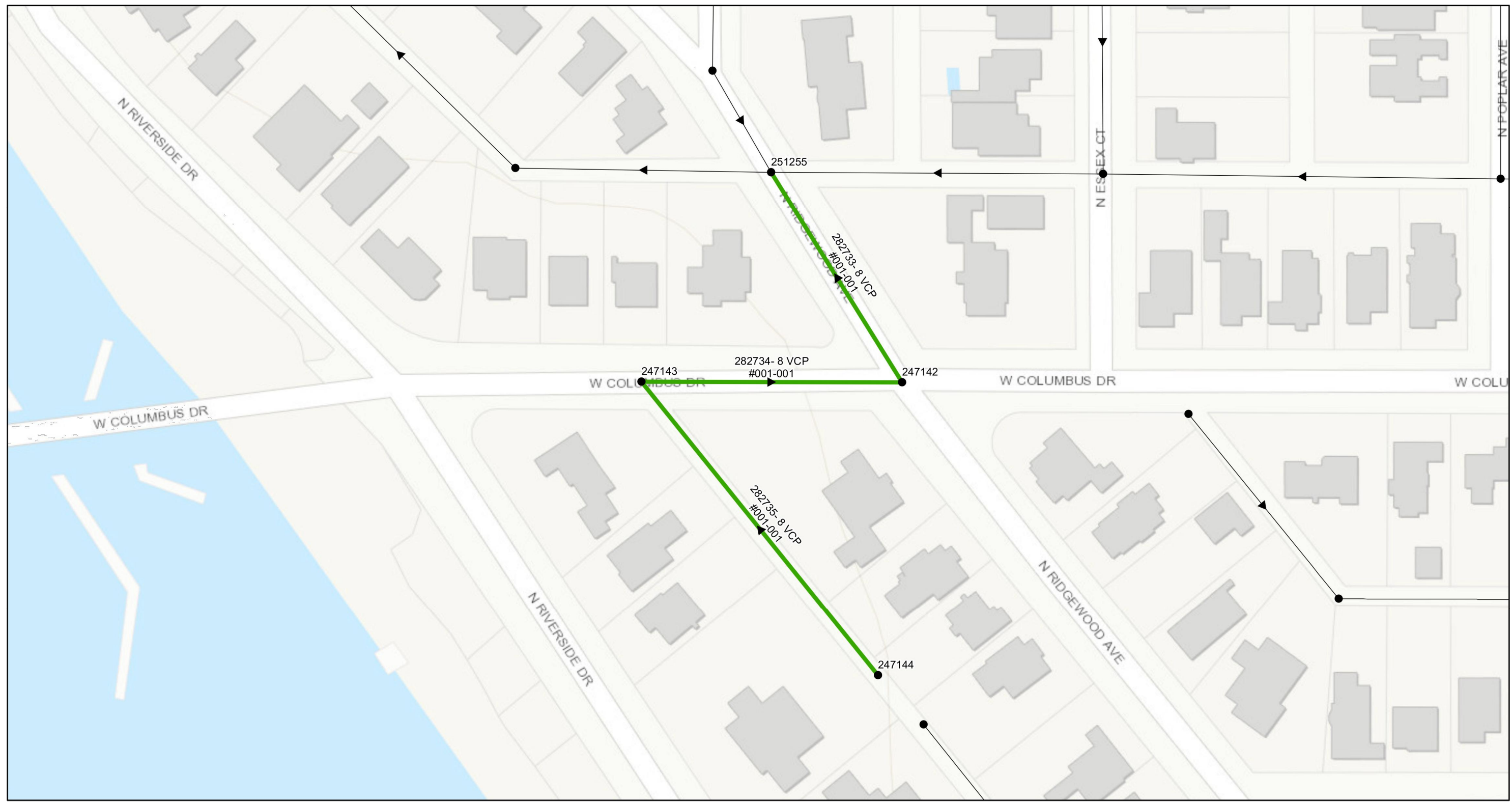
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Armenia/Howard/Columbus CIPP Lining
 AREA MAP(1)

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



JACINTO CARLOS FERRAS, P.E. #49454
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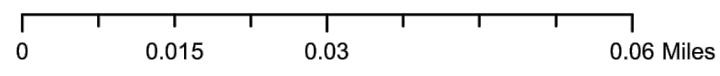
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Armenia/Howard/Columbus CIPP Lining
 AREA MAP(2)

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



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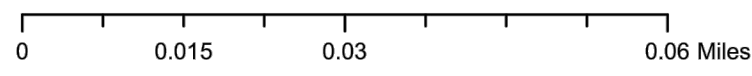
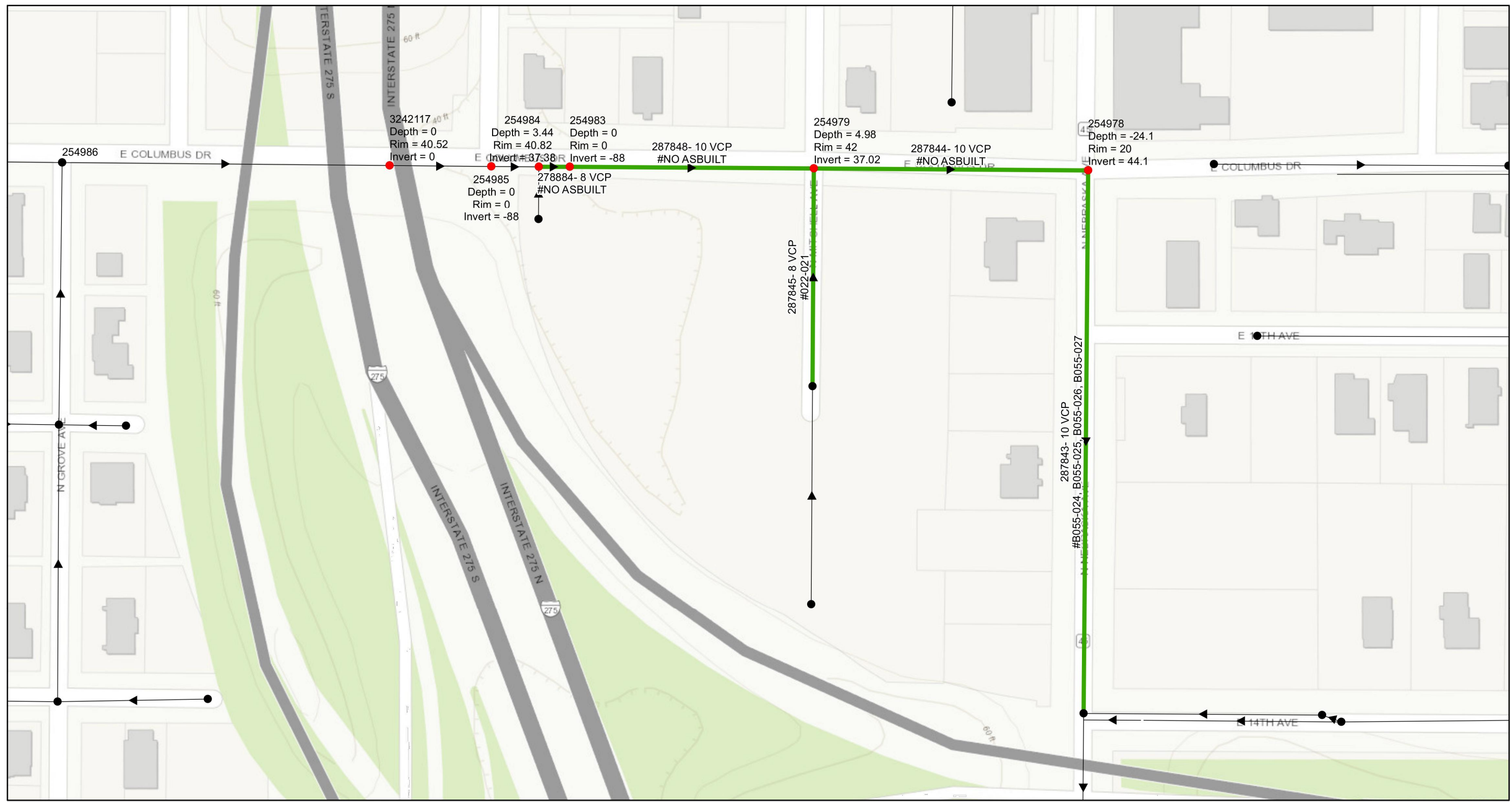
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Armenia/Howard/Columbus CIPP Lining
 AREA MAP(3)

SHEET
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- Legend**
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 - Proposed Manhole Rehabilitation
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 - Proposed Lining Area



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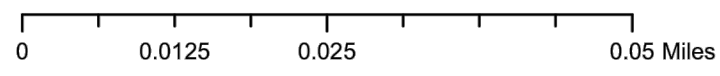
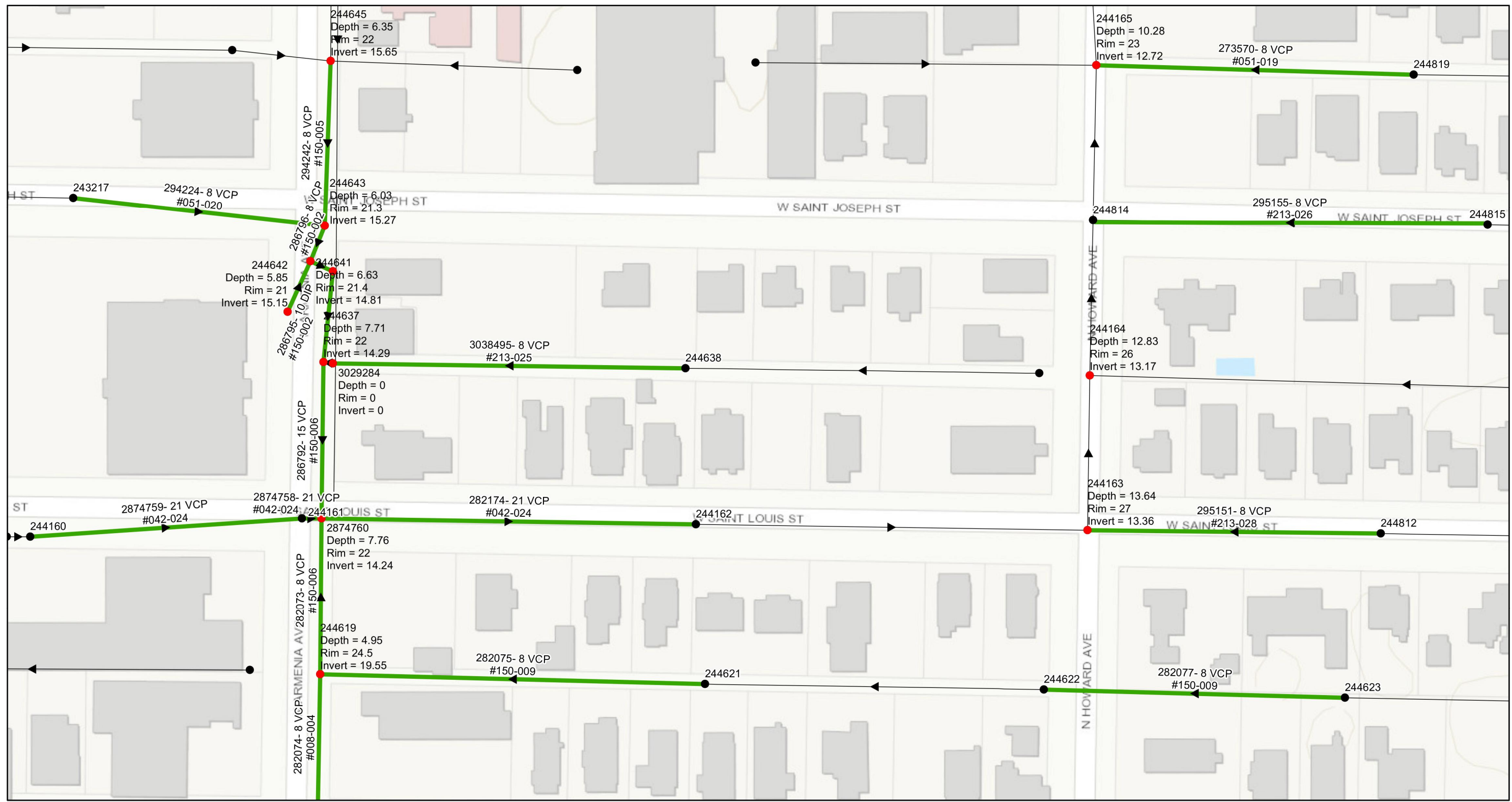
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Armenia/Howard/Columbus CIPP Lining
 AREA MAP(4)

SHEET
7

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 - Proposed Manhole Rehabilitation
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 - Proposed Lining Area



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

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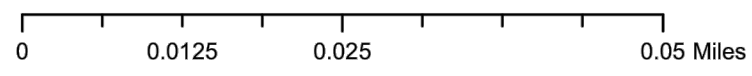
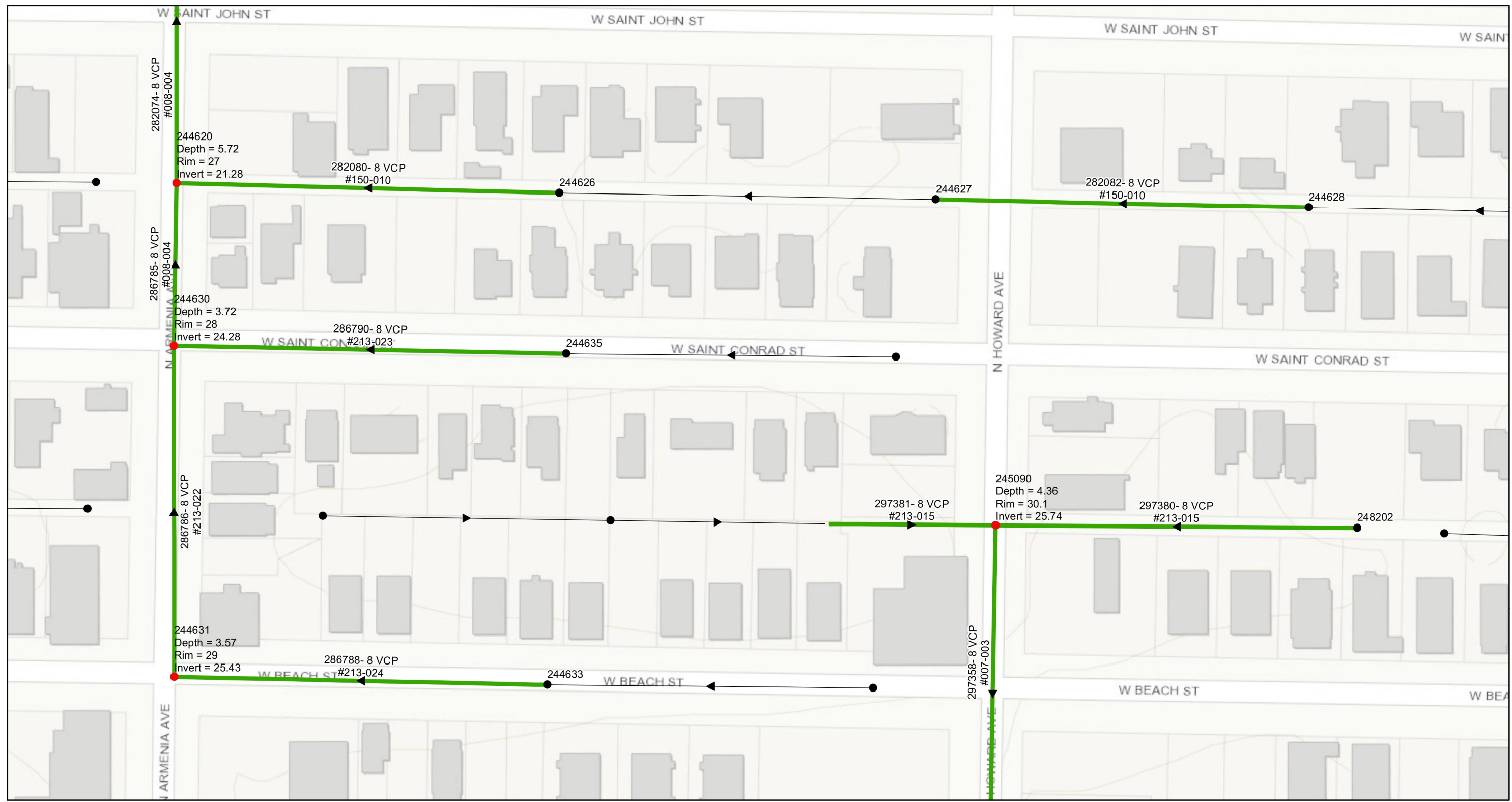
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Armenia/Howard/Columbus CIPP Lining
AREA MAP(5)

SHEET
8

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- Legend**
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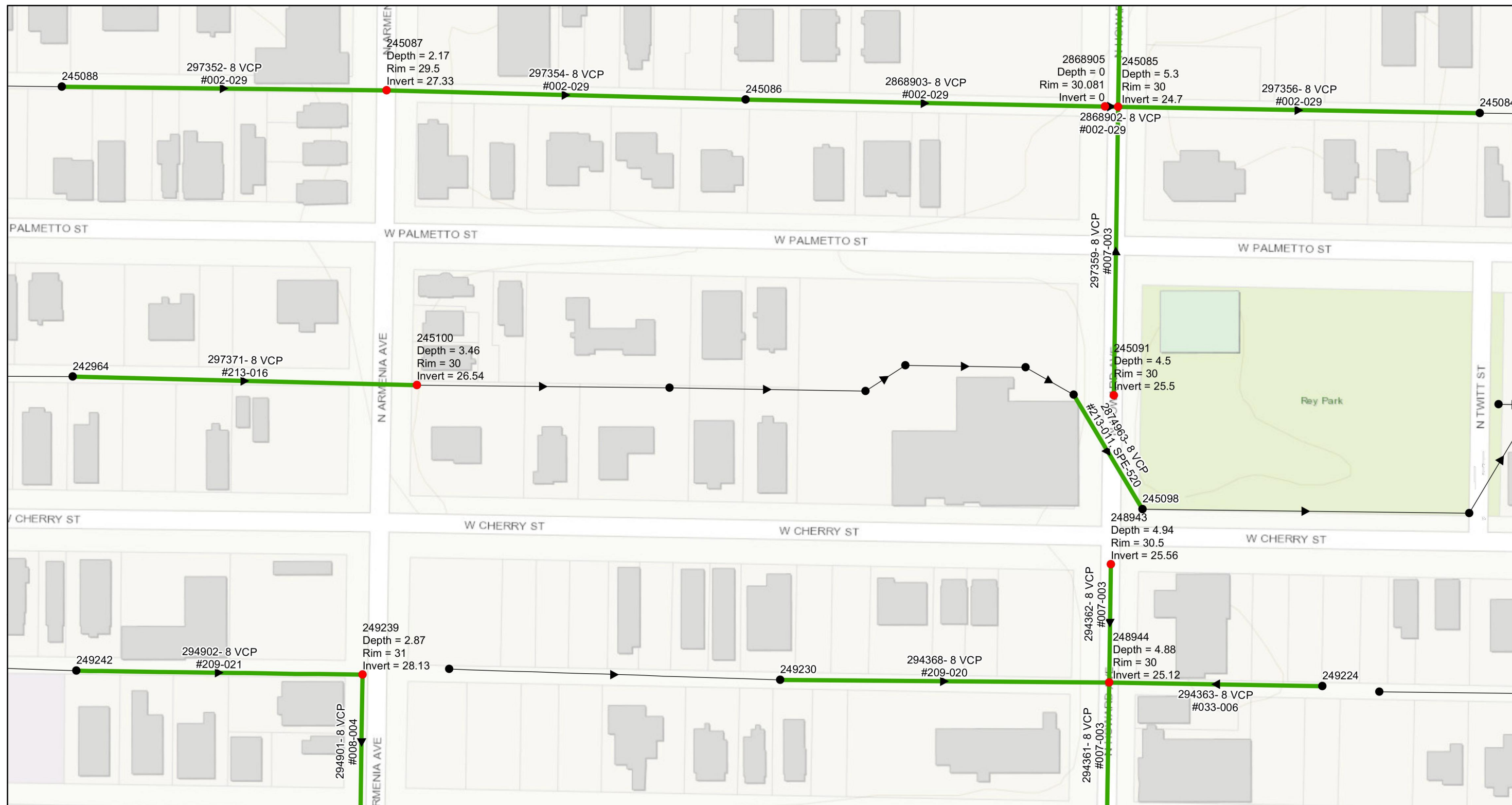
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CITY of TAMPA
 WASTEWATER DEPARTMENT

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

SHEET
9

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 Layout- Jun 07, 2022 - 4:37pm 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



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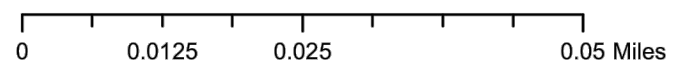
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CITY of TAMPA
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Armenia/Howard/Columbus CIPP Lining
 AREA MAP(7)

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 10

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Legend

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



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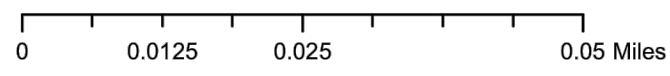
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CITY of TAMPA
 WASTEWATER DEPARTMENT

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

SHEET
11

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



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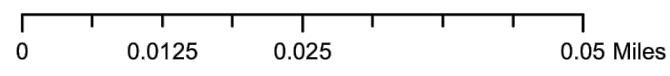
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CITY of TAMPA
 WASTEWATER DEPARTMENT

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

SHEET
 12

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

#	DATE	REVISIONS
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DES: DR
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CITY of TAMPA
 WASTEWATER DEPARTMENT

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

SHEET
13

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 Layout- Jun 07, 2022 - 4:37pm 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



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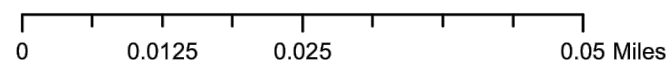
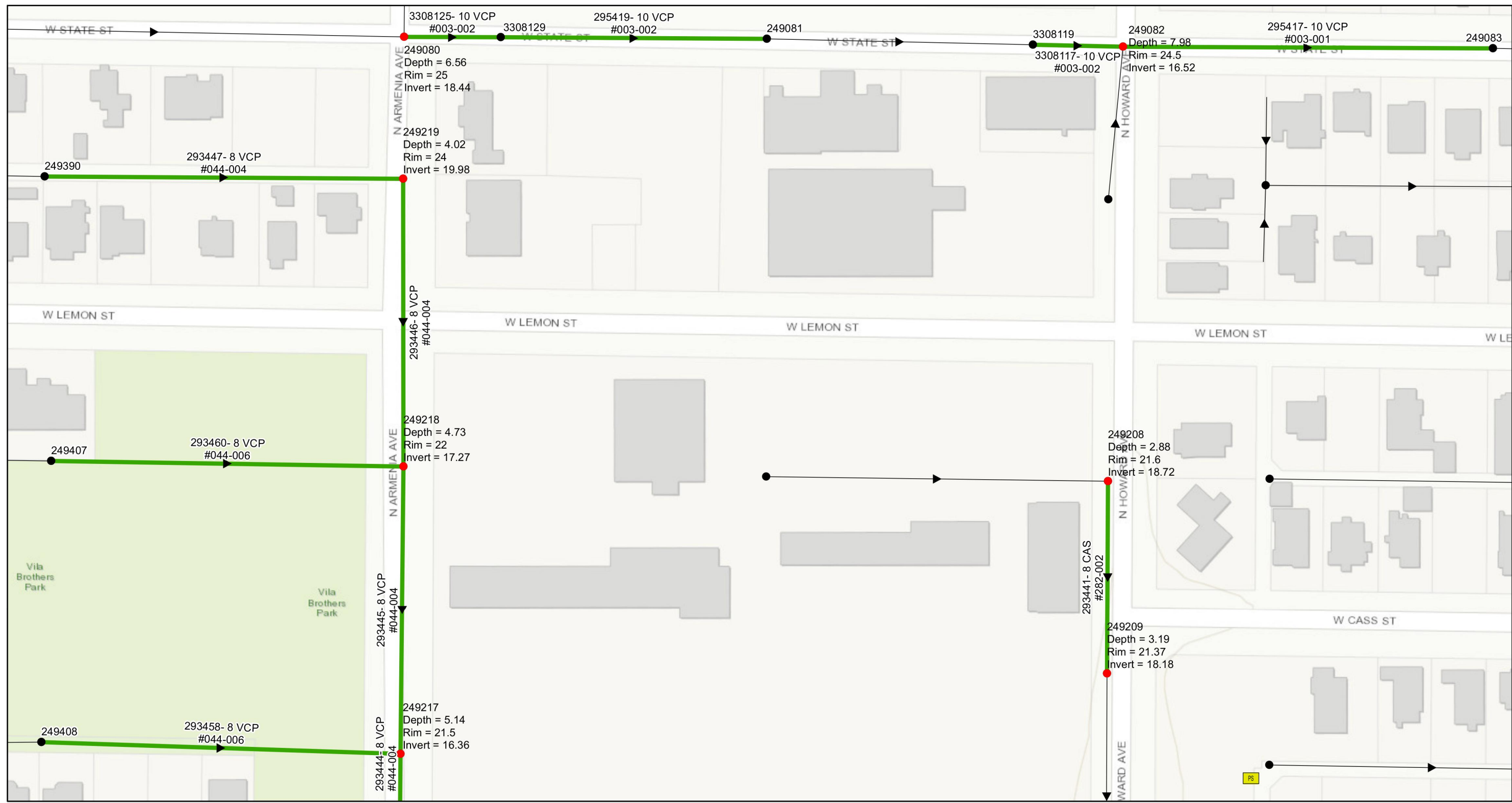
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CITY of TAMPA
 WASTEWATER DEPARTMENT

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

SHEET
 14

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 Layout- Jun 07, 2022 - 4:37pm CTB - MONO - RED-GREEN.CTB TOSHIBA_UNL_COLOR (NORTH WING)



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

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

SHEET
 15

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 Layout- Jun 07, 2022 - 4:37pm 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
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 WASTEWATER DEPARTMENT

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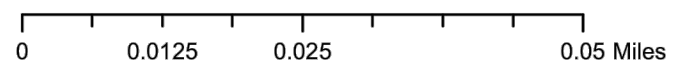
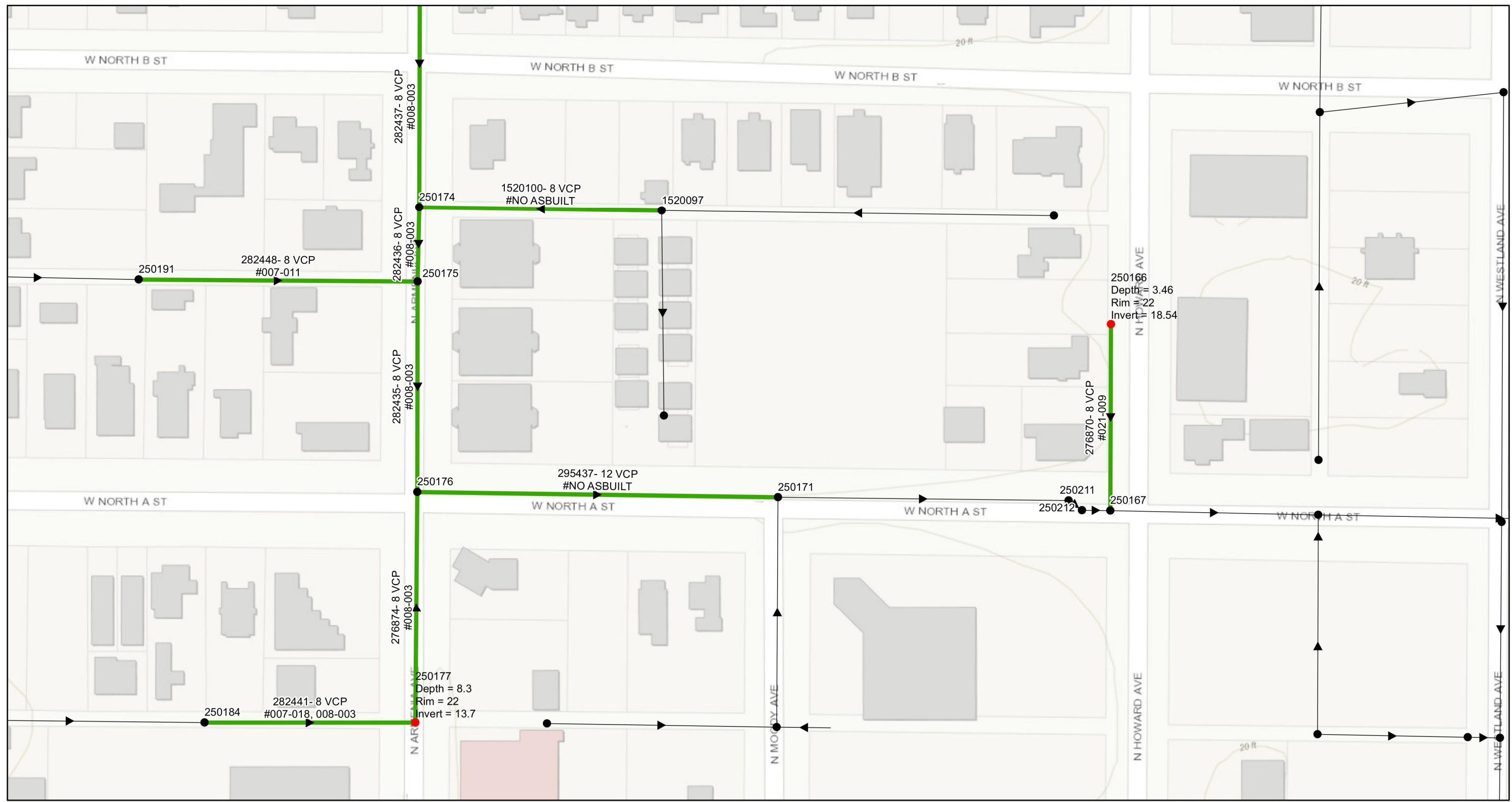
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 WASTEWATER DEPARTMENT

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

SHEET
16

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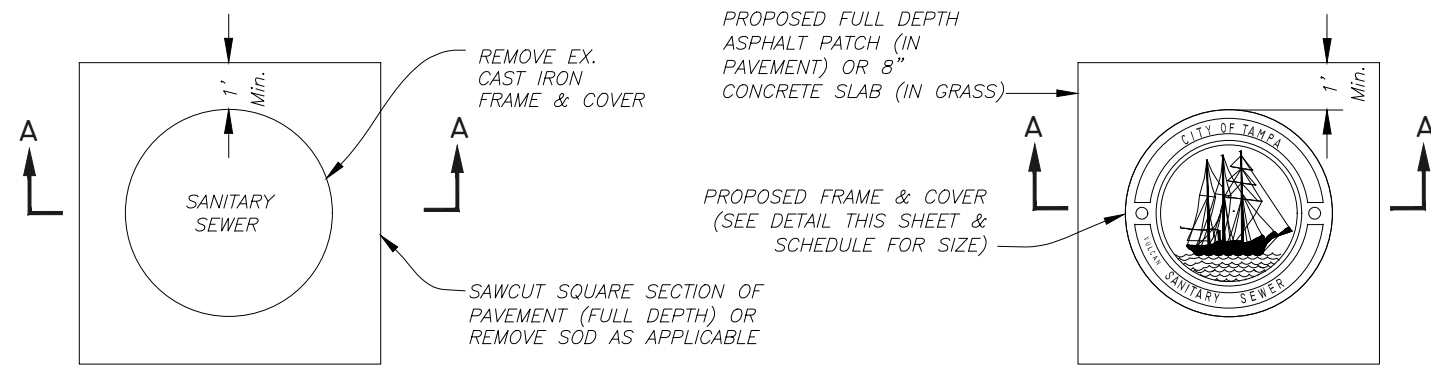
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 WASTEWATER DEPARTMENT

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

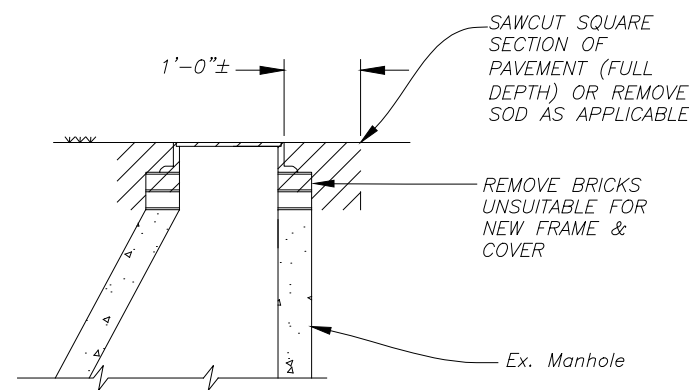
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ASPHALT RESTORATION NOTE

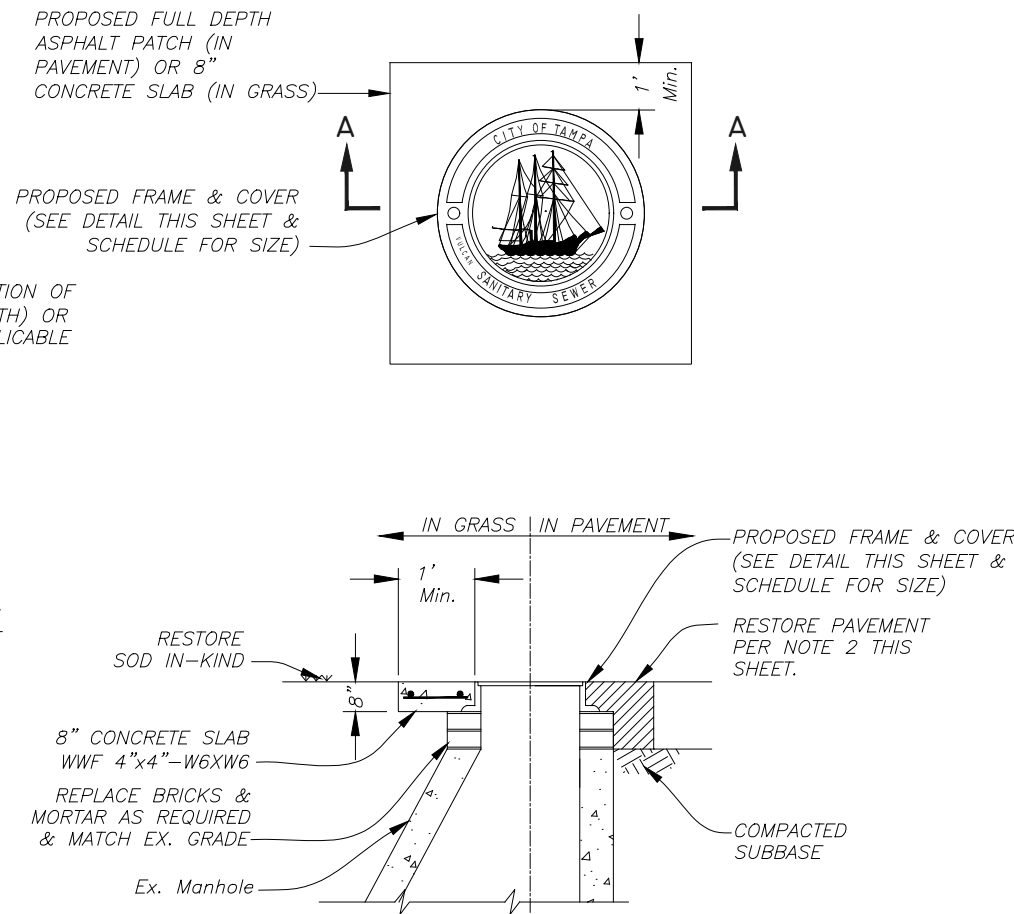
PAVEMENT RESTORATION SHALL CONSIST OF 12" PERMANENT BASE (CRUSHED CONCRETE) AND 2" PERMANENT ASPHALT SUPERPAVE PAVEMENT, UNLESS OTHERWISE NOTED. IF LOCATED IN D.O.T. ROW, AN ADDITIONAL 1 1/2" SUPER PAVE ASPHALT IS REQUIRED.



PLAN

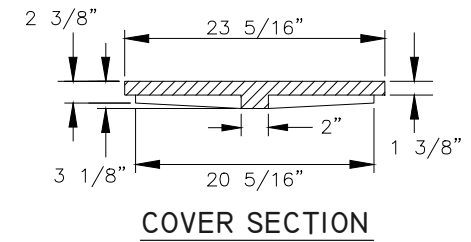


**SECTION A-A
REMOVAL DETAIL**

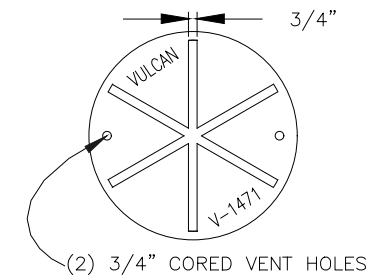


**SECTION B-B
REPLACEMENT
DETAIL**

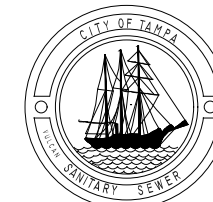
SMALL COVER DETAIL



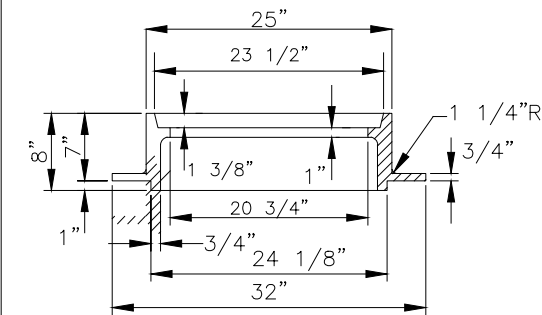
COVER SECTION



COVER BACK



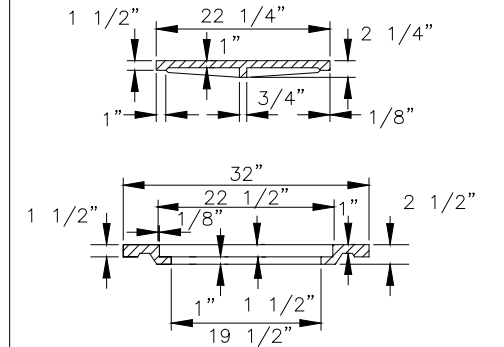
COVER FACE



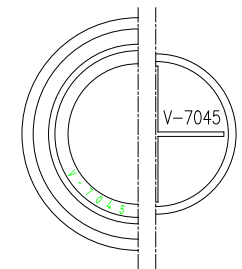
FRAME SECTION

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

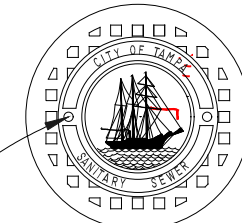
LARGE COVER DETAIL



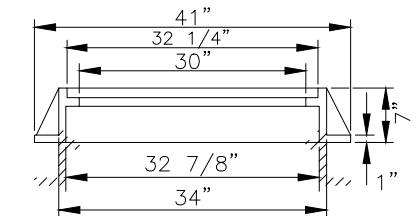
INNER & OUTER COVER SECTIONS



COVER BACKS



COVER FACES



FRAME SECTION

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

HEAVY DUTY CAST IRON MANHOLE FRAME & COVER DETAILS

User: ssh5 Drawing Name: K:\WasteWater Projects\Armenia-Howard-Columbus Gravity Sewer CIPP Lining\Drafting\DWG\Cipp lining.dwg Layout- Jun 07, 2022 - 4:37pm

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

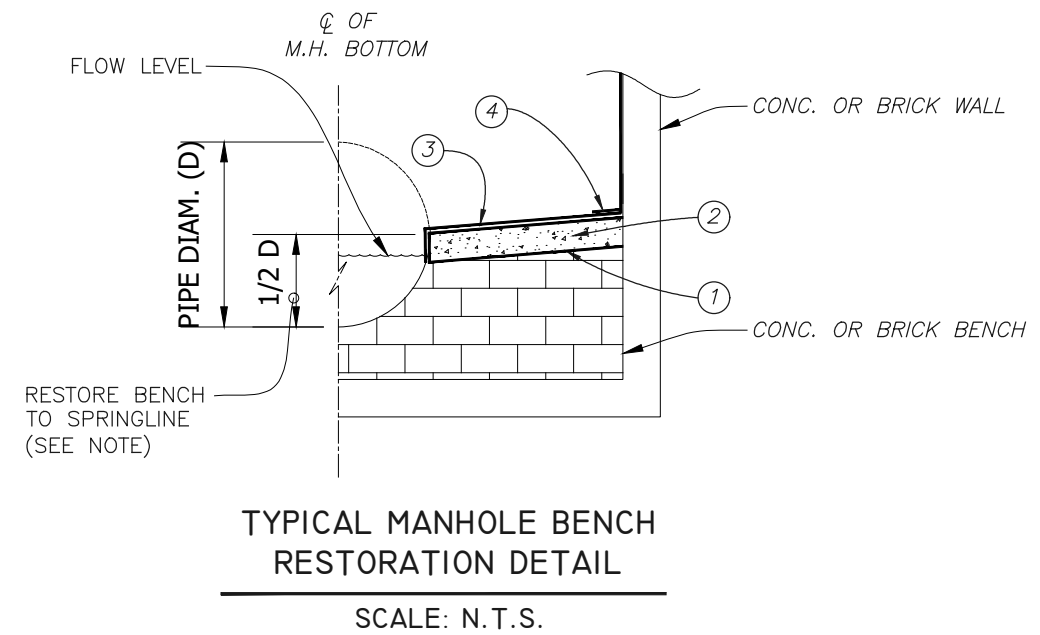
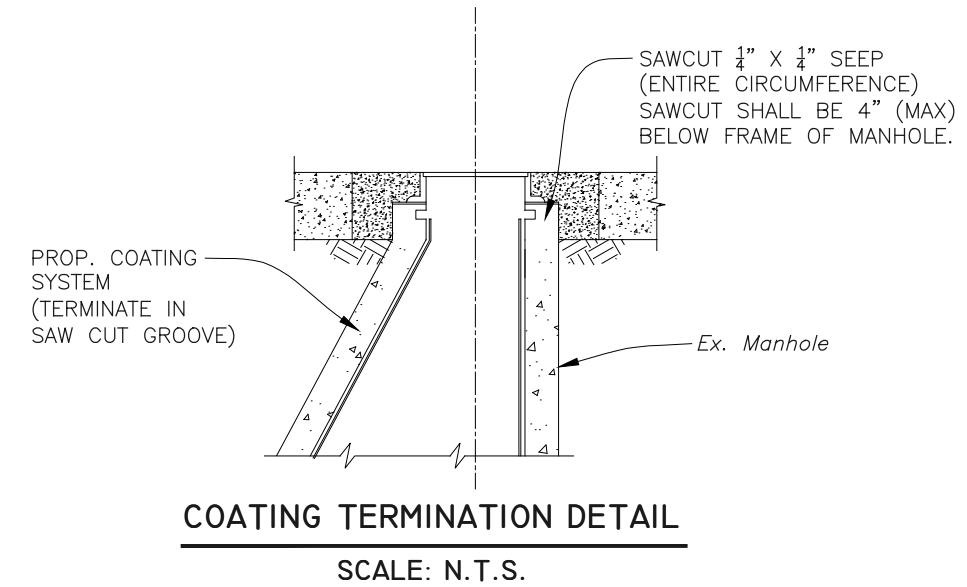
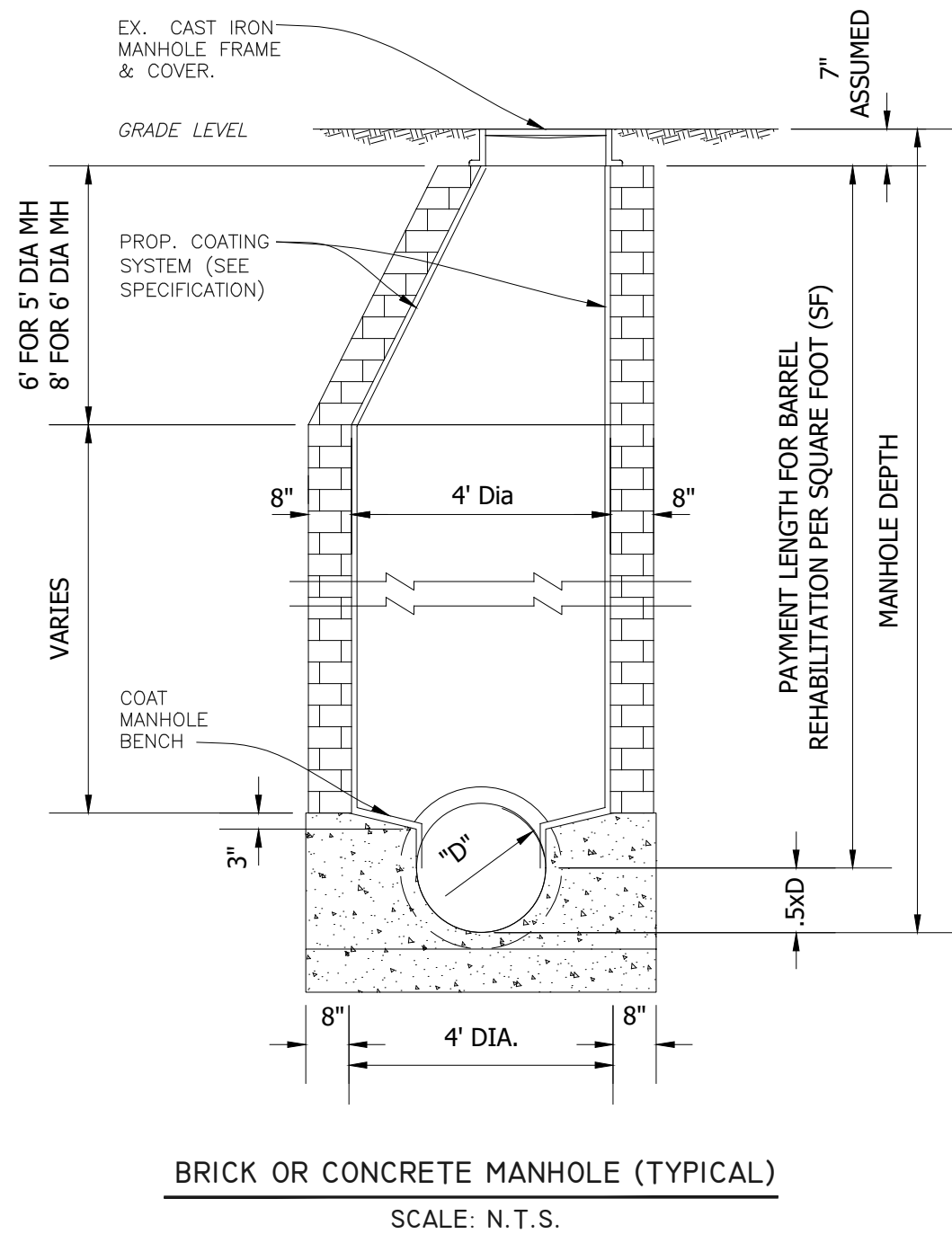
MANHOLE DETAIL

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.



User: ssh5 Drawing Name: K:\WasteWater Projects\Armenia-Howard-Columbus Gravity Sewer CIPP Lining\Drafting\DWG\Cipp Lining.dwg Layout- Jun 07, 2022 - 4:37pm

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

#	DATE	REVISIONS
1		
2		
3		

DES: DR
DRN: GP
CKD:

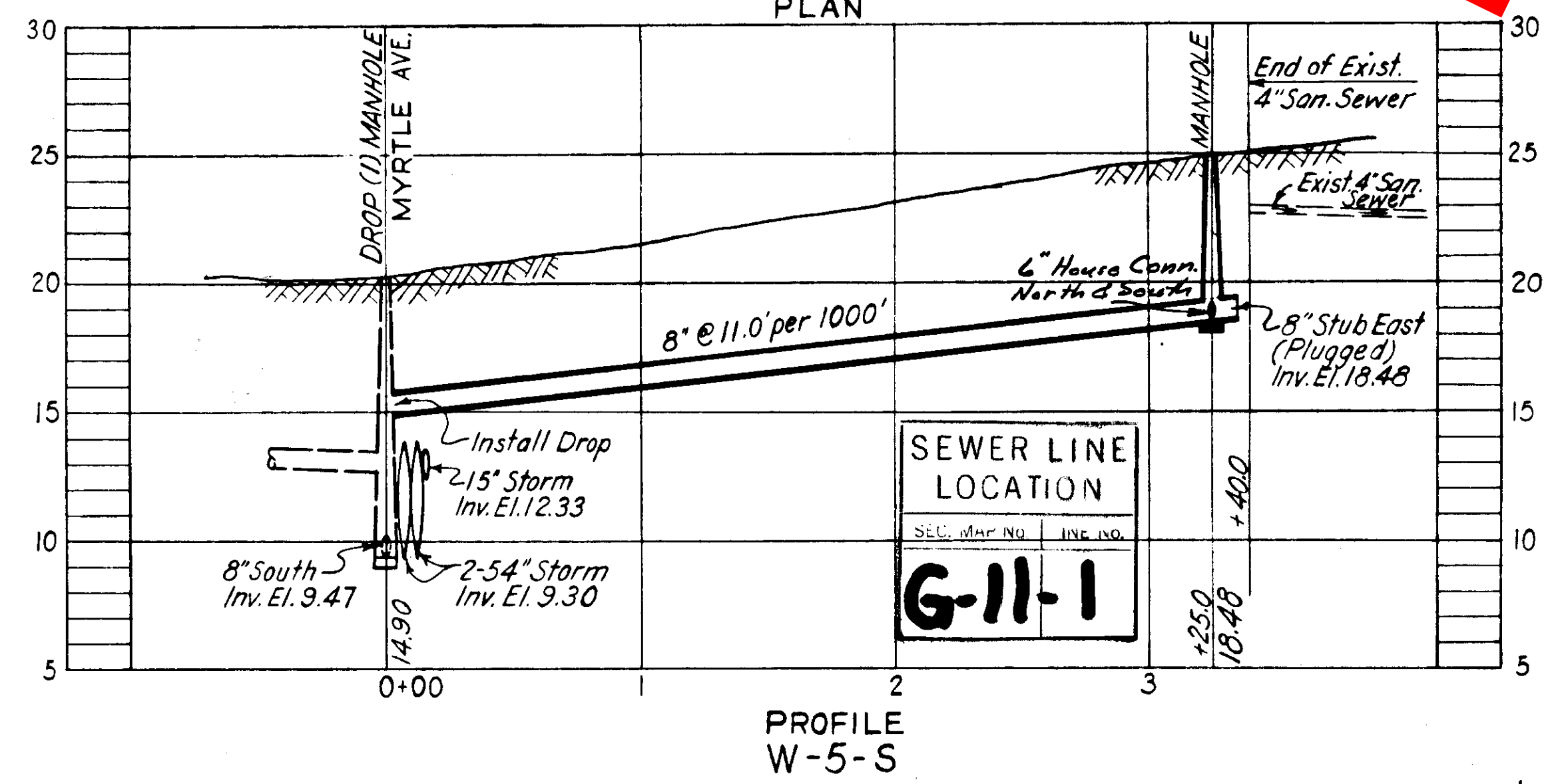
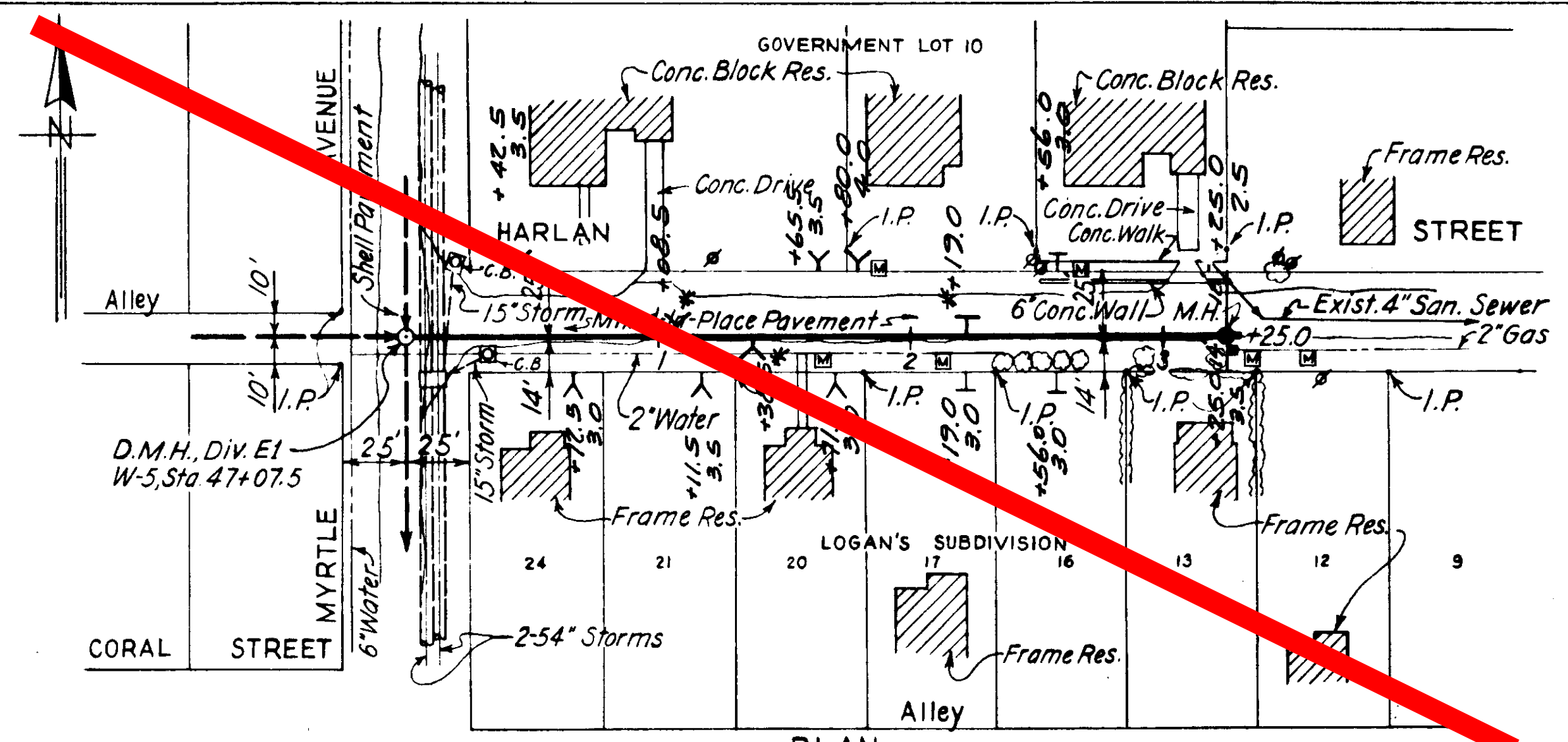
CITY of TAMPA
WASTEWATER DEPARTMENT

Armenia/Howard/Columbus CIPP Lining

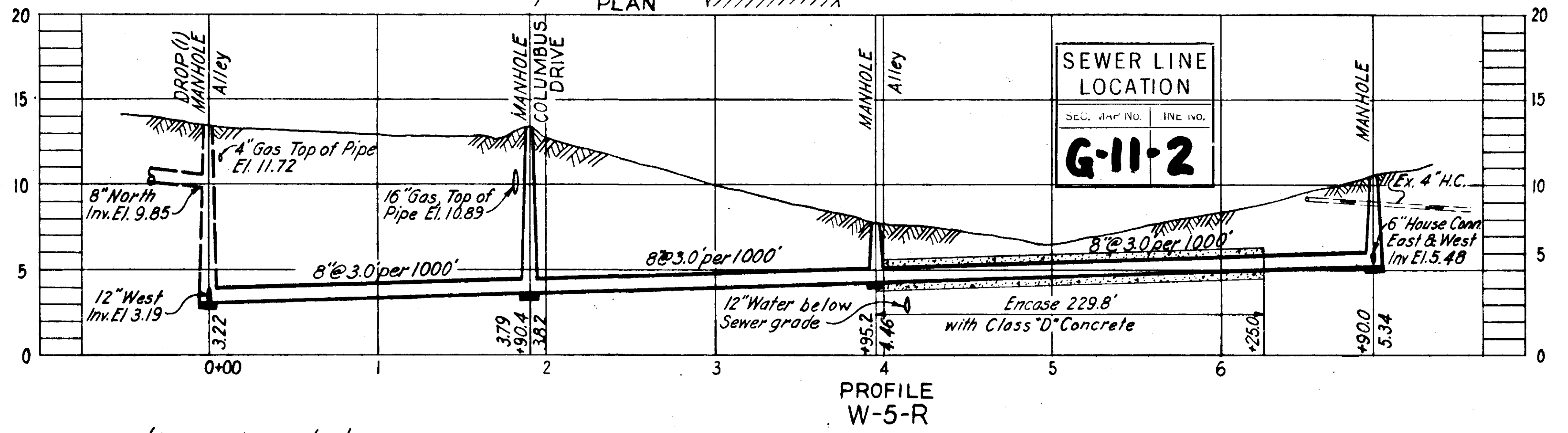
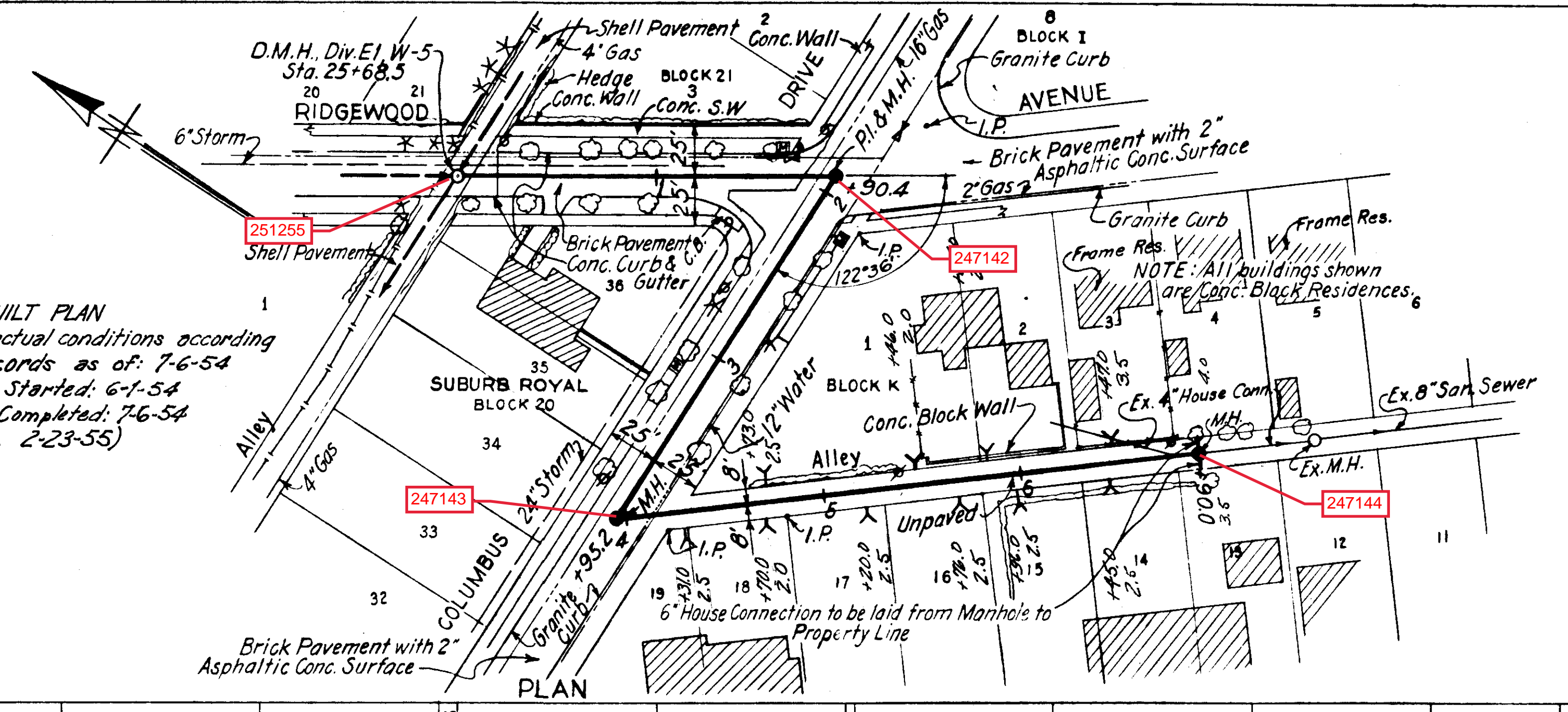
MANHOLE DETAILS

SHEET

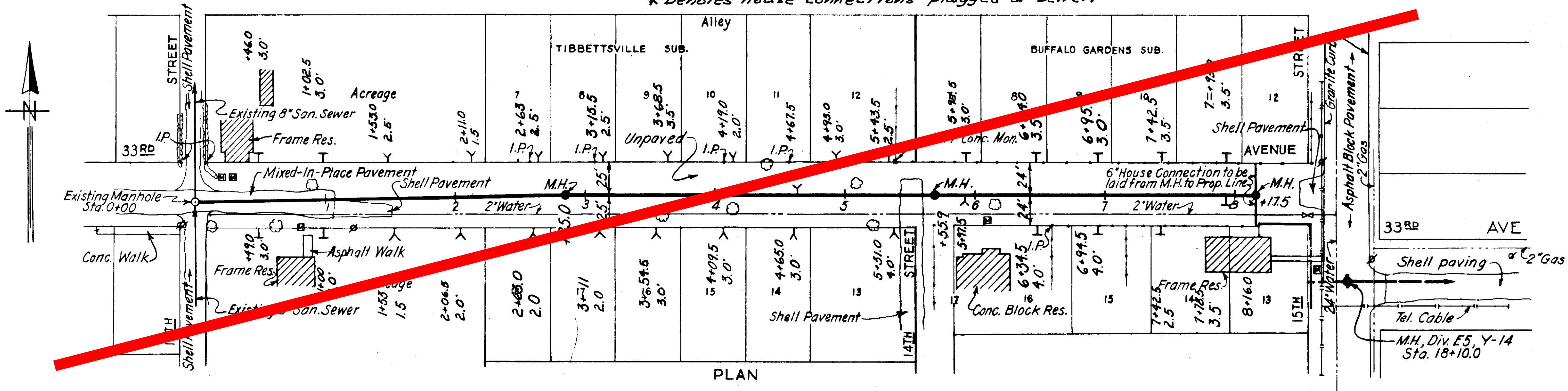
19



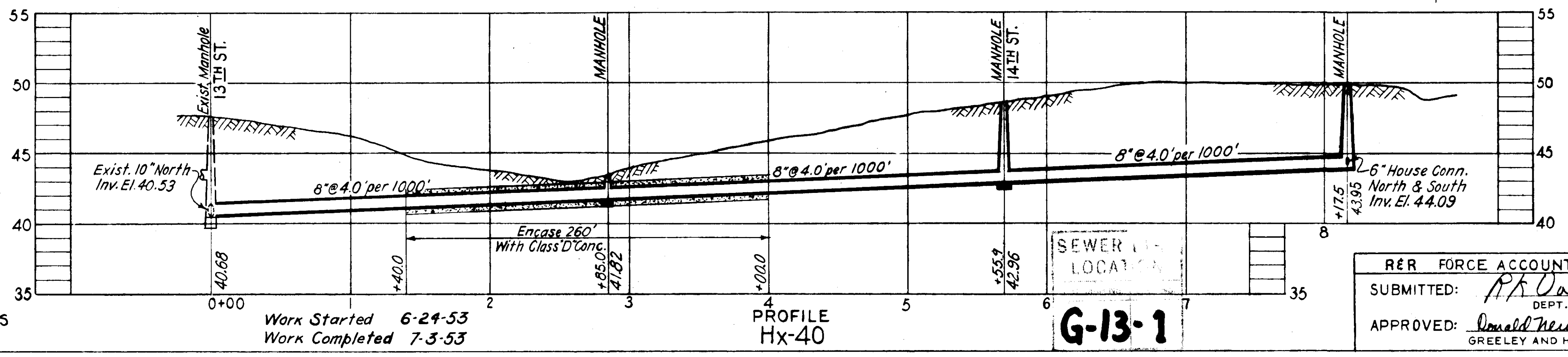
AS-BUILT PLAN
Revised to show actual conditions according to construction records as of: 7-6-54
Work Started: 6-1-54
Work Completed: 7-6-54
(A.D.C. 2-23-55)



* 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.



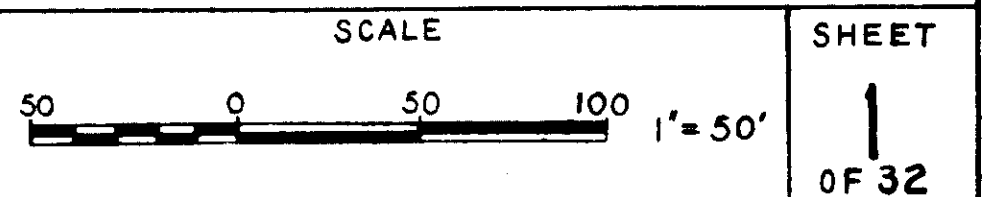
Work Started 6-24-53
Work Completed 7-3-53

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

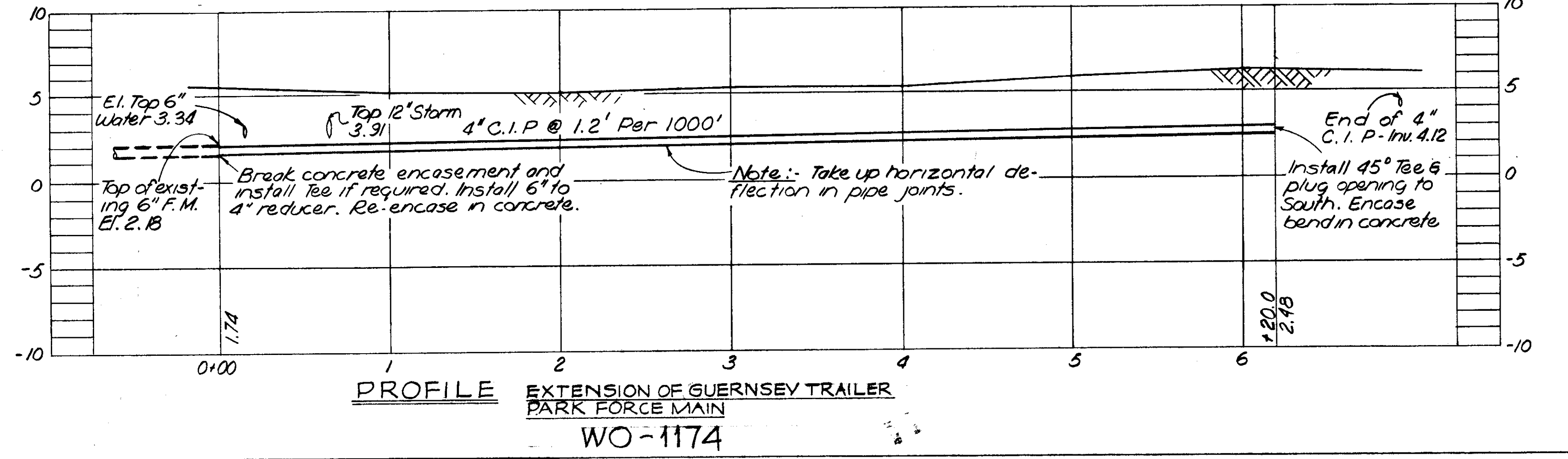
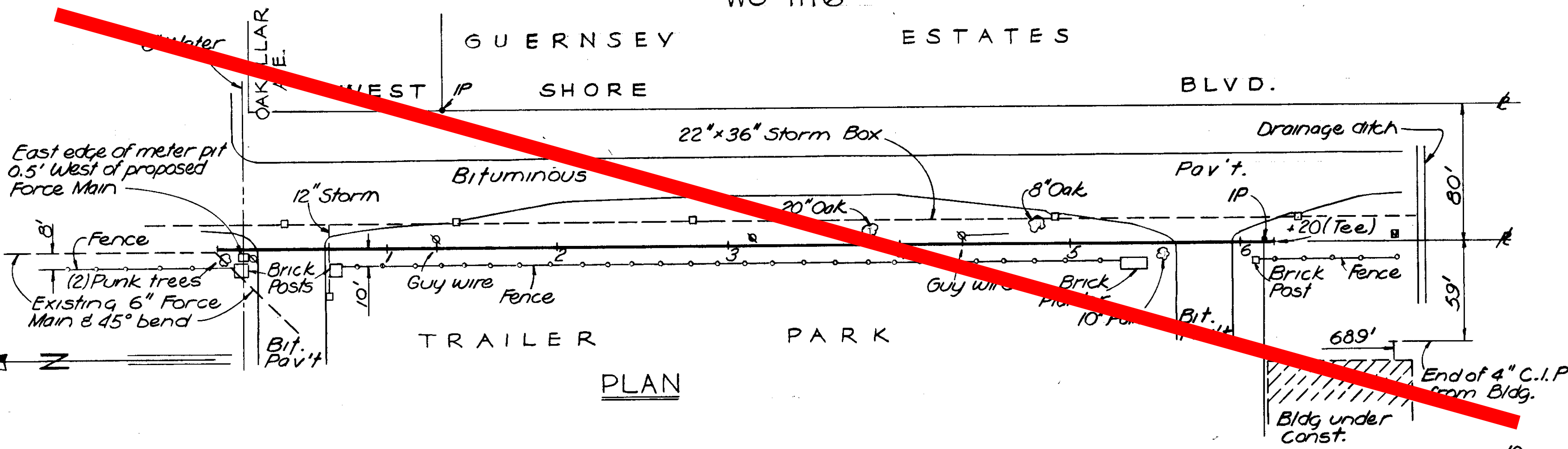
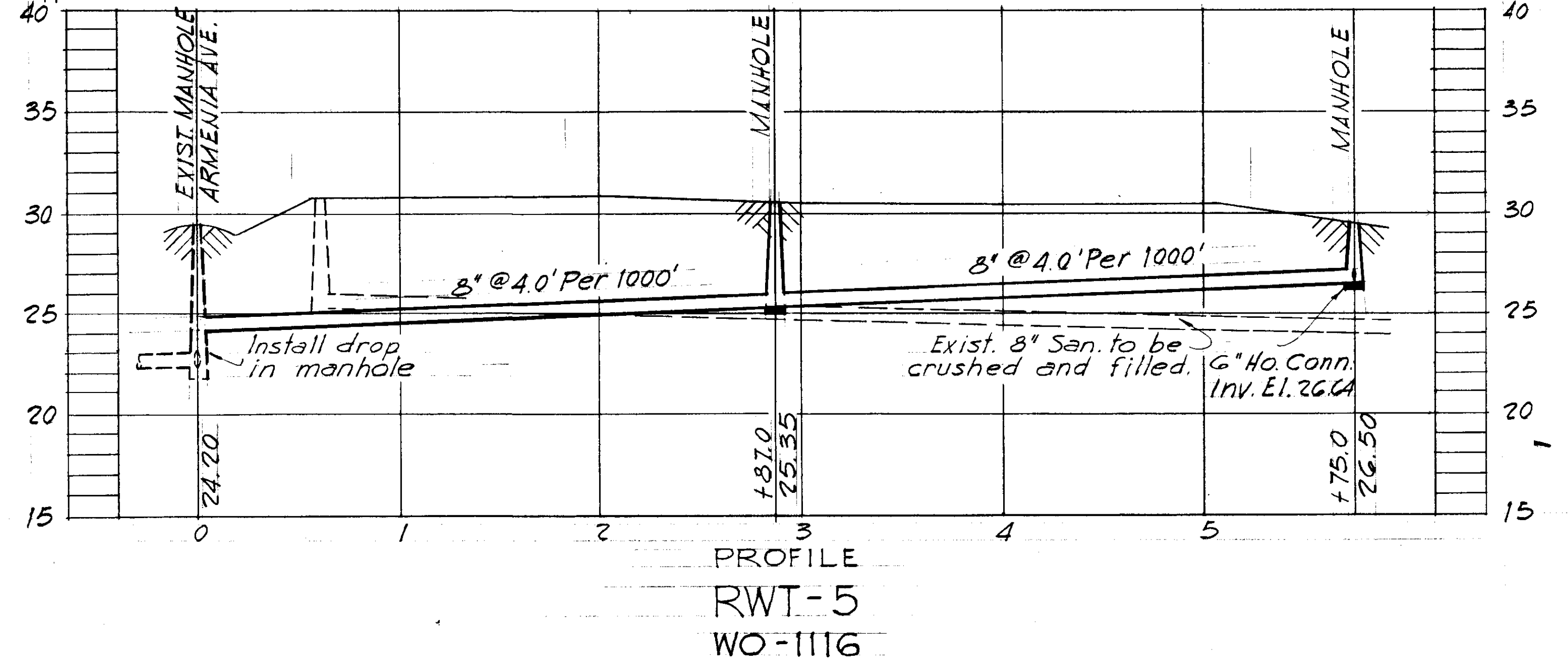
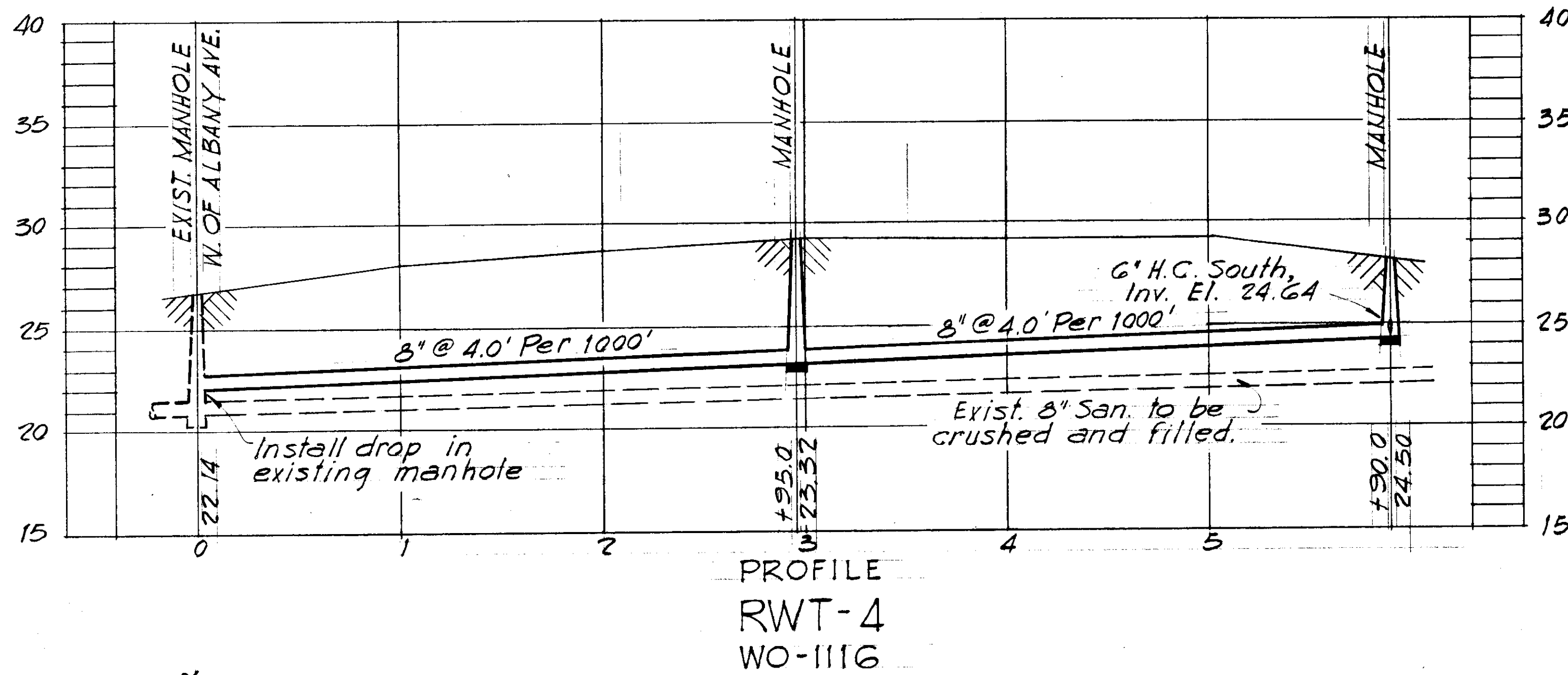
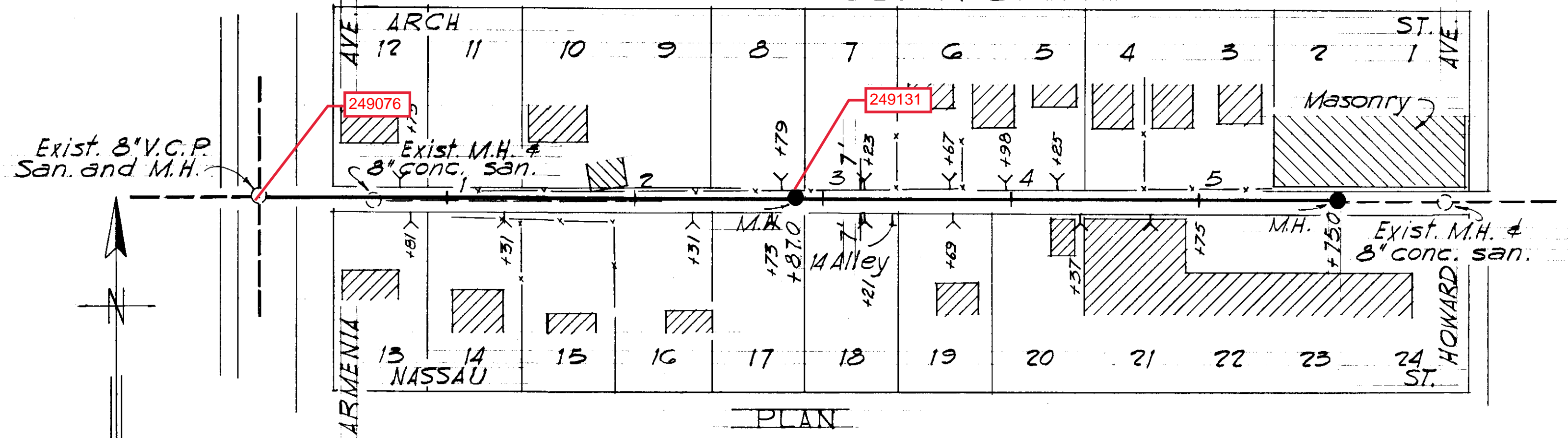
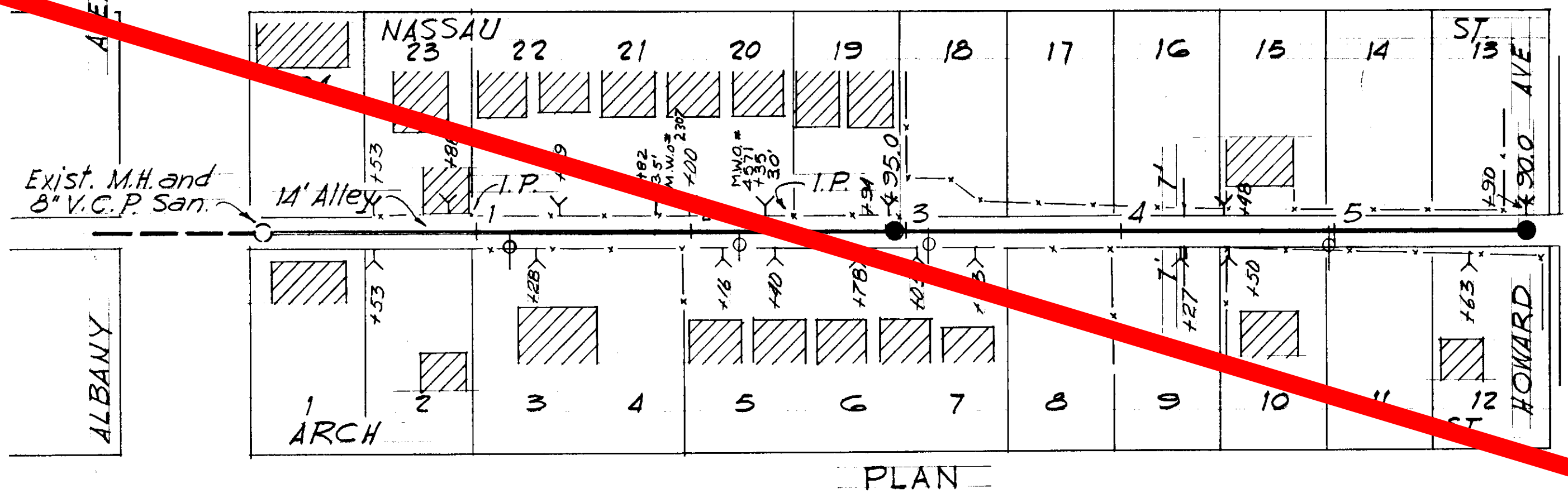
CITY OF TAMPA, FLORIDA
RENEWAL AND REPLACEMENT FUND
SEWER EXTENSIONS IN CENTRAL AREA

Hx-40, W-5-R & W-5-S
Hx-40 & W-5-S, BUILT F.A. 23



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

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



CITY OF TAMPA FLORIDA
RENEWAL AND REPLACEMENT FUND
SEWER IMPROVEMENTS

RWT-4, RWT-5
GUERNSEY TRAILER PARK
FORCE MAIN

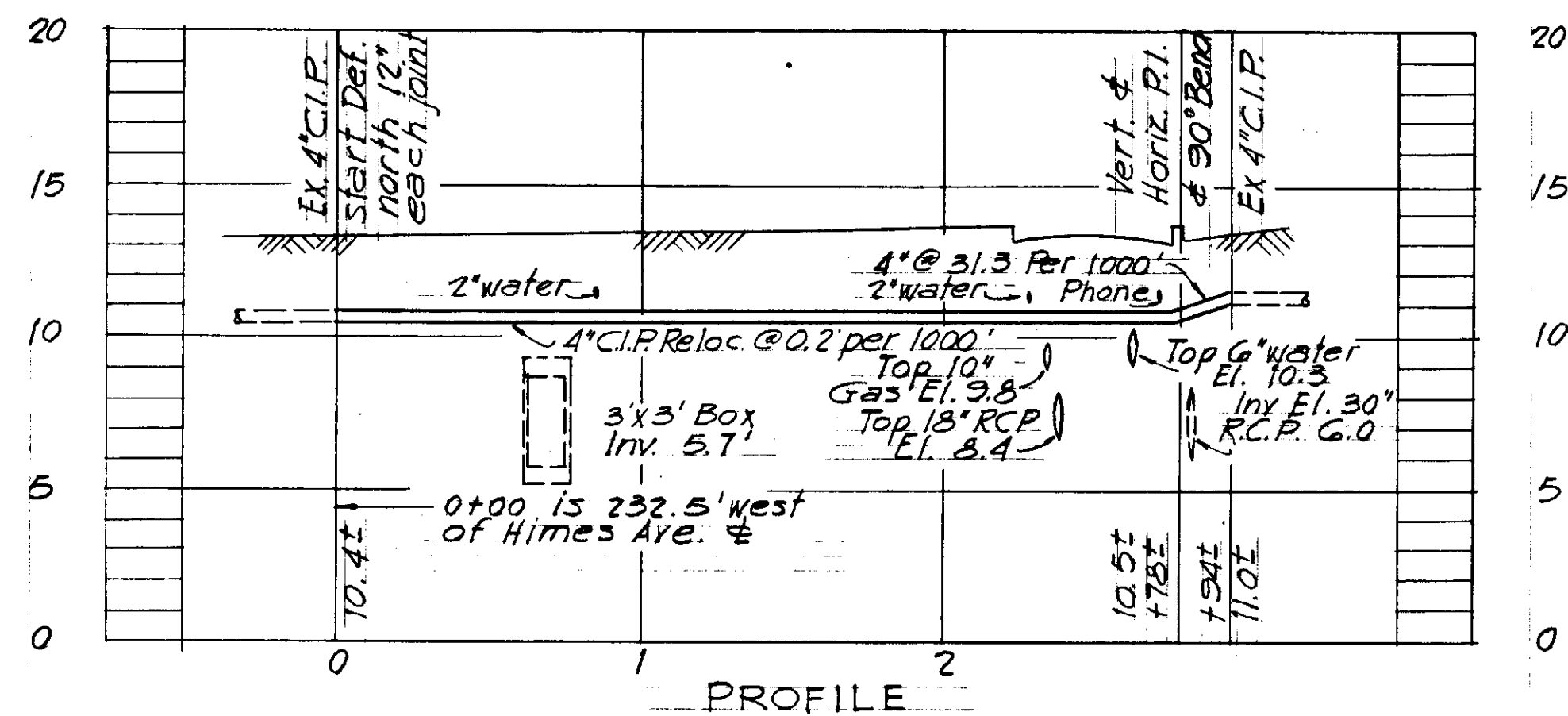
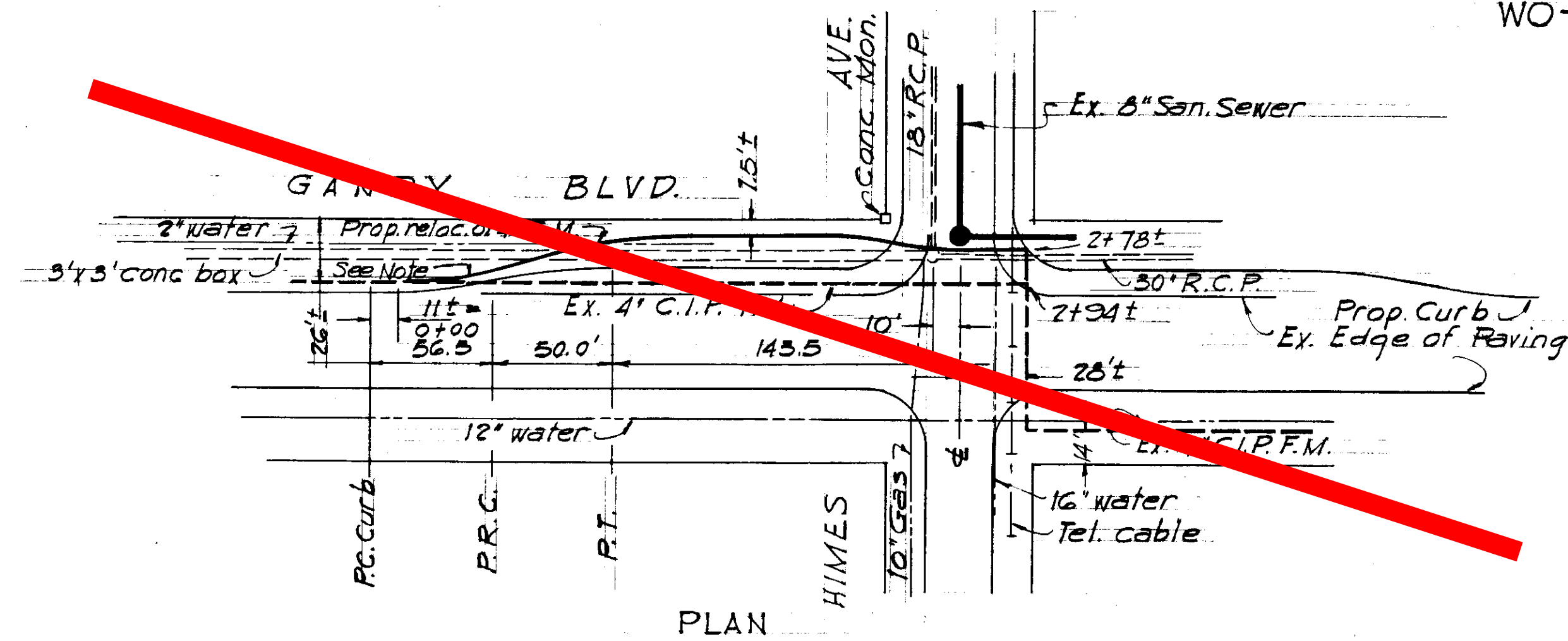
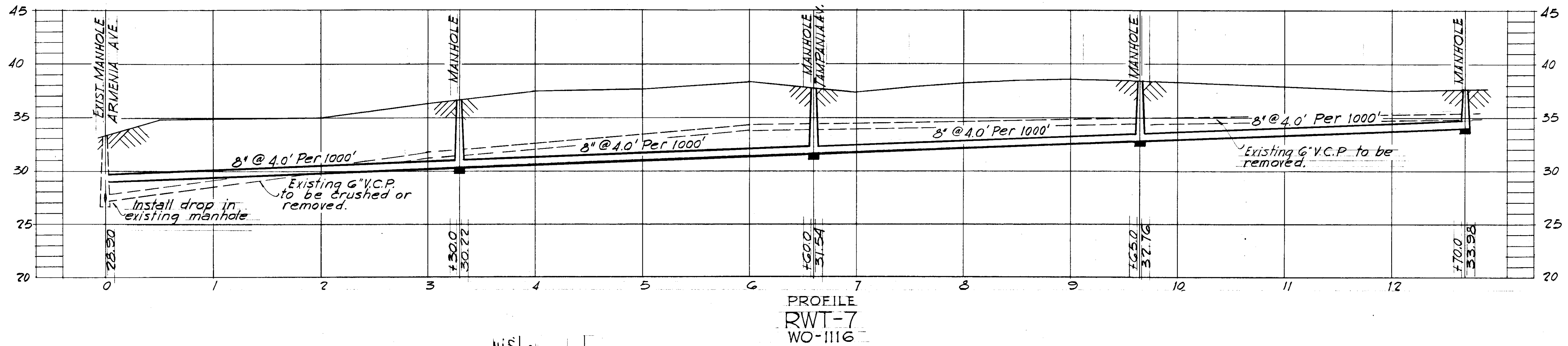
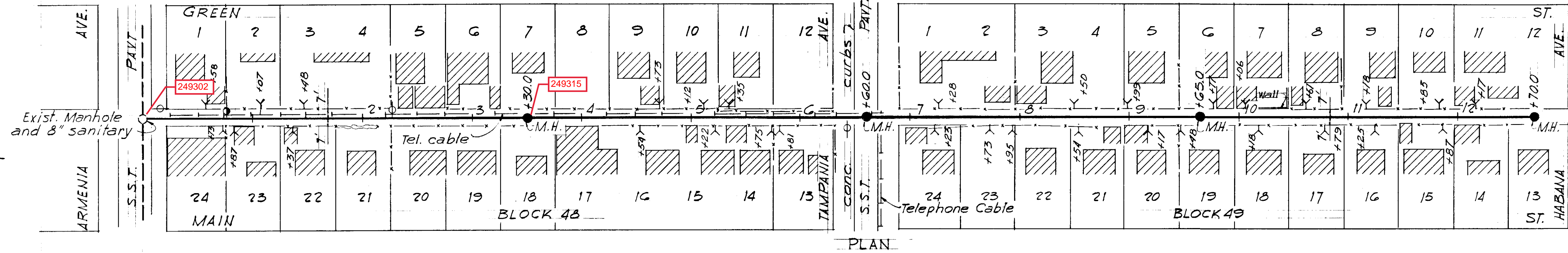
R&R FORCE ACCOUNT NO.23
SUBMITTED: *[Signature]*
BUREAU OF SANITARY SEWERS
APPROVED: *[Signature]*
Greeley and Hansen Engineers

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

50 0 50 100
1" = 50'

SHEET
2
OF 8

MAC FARLANE'S ADDITION TO WEST TAMPA



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

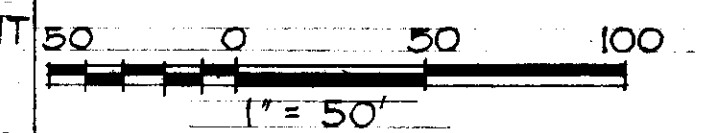
RELOCATION OF FORCE MAIN, GANDY BLVD. AT HIMES AVE.
WO. 1195
Des. 8-11-60 CMT

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

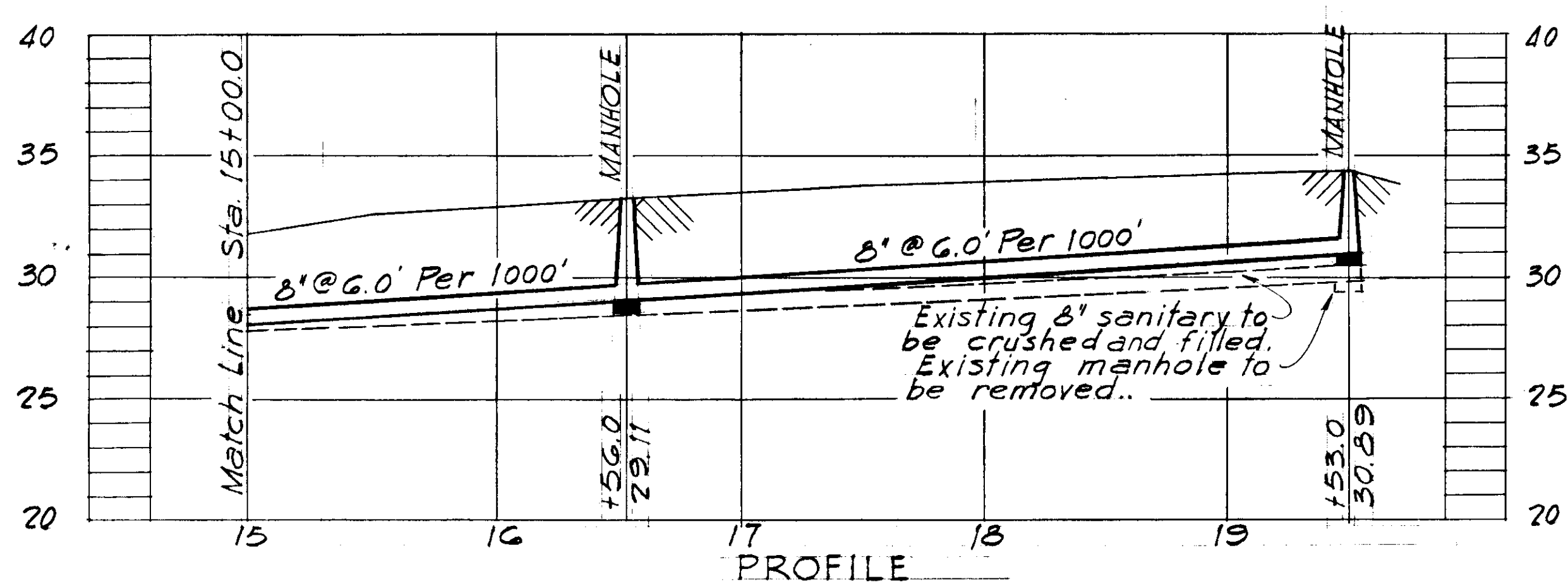
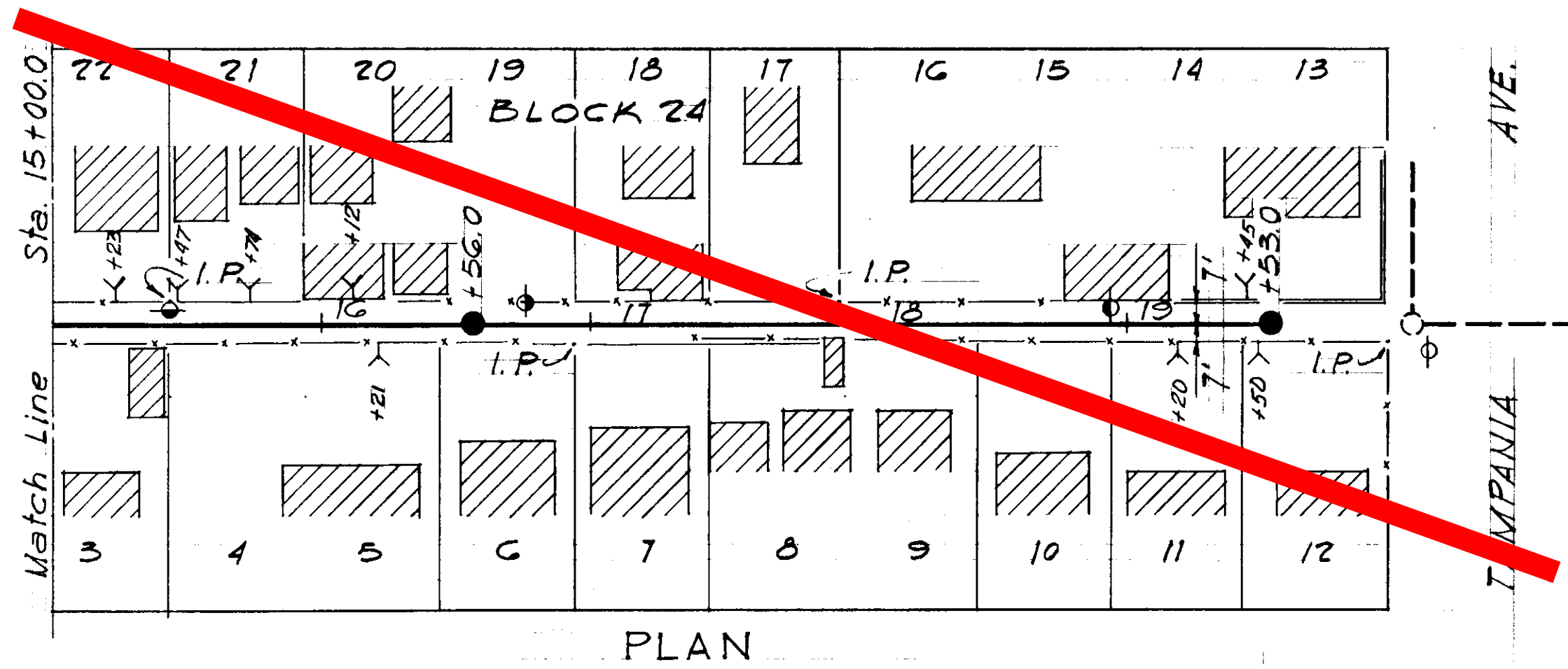
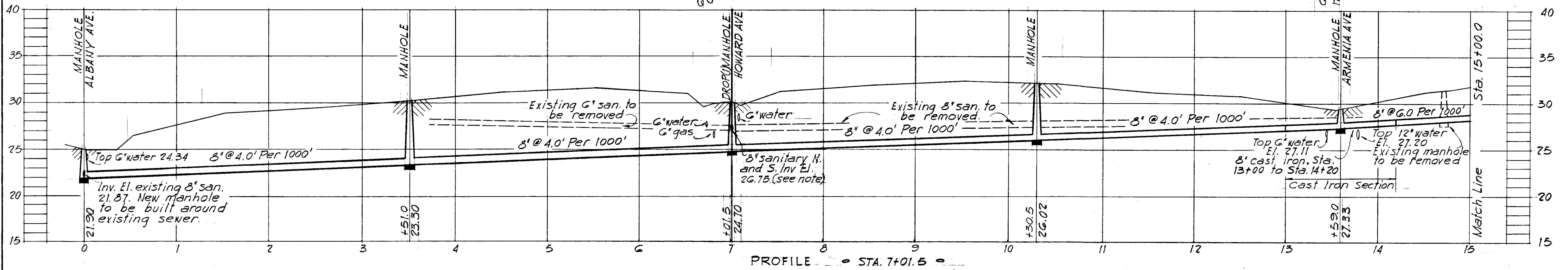
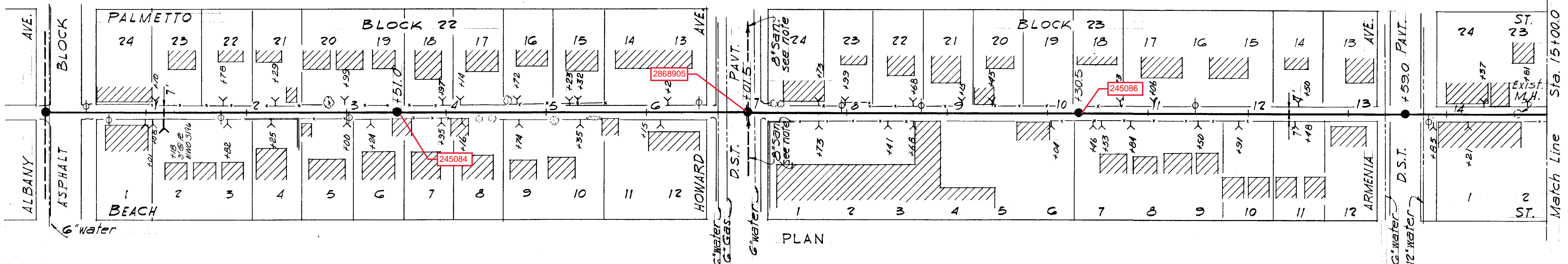
DES: ECA
DR: ECACMT
CKD: REF
DATE
AUG., 1960



SHEET
4
OF 8

2-28

MAC FARLANE'S REVISED ADDITION TO WEST TAMPA



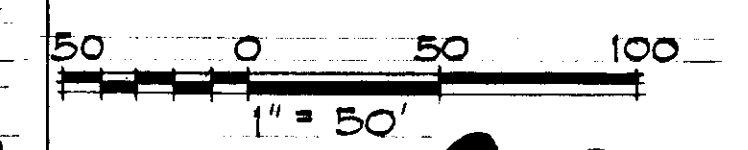
= WO-1116 =

CITY OF TAMPA FLORIDA
RENEWAL AND REPLACEMENT FUND
SEWER IMPROVEMENTS

RWT-8

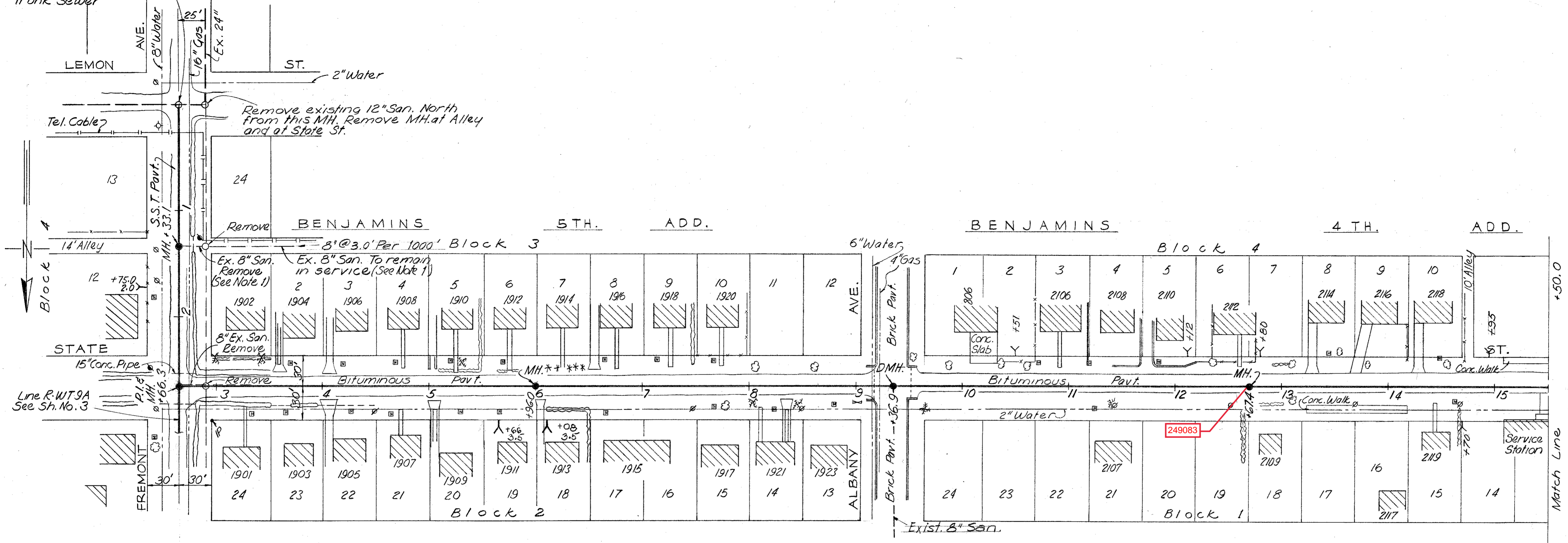
R&R FORCE ACCOUNT NO. 23
SUBMITTED: 8/3/71
BUREAU OF SANITARY SEWERS
APPROVED: Richard E. Forster
GREELEY AND HANSEN ENGINEERS

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



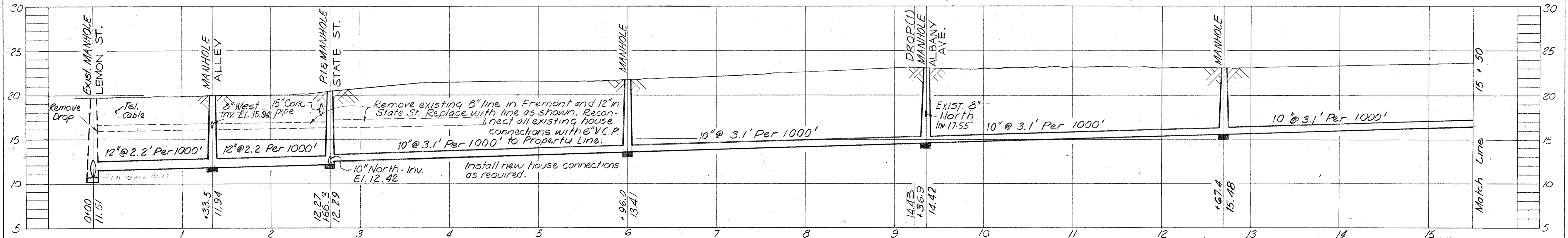
SHEET
5
OF 8

DMH. DIV. C3, Sta. 43+07.2 = 0+00
Lemon-Gray St's.
Trunk Sewer



PLAN

NOTE :- HOUSE CONNS. ARE FROM DAILY REPORTS

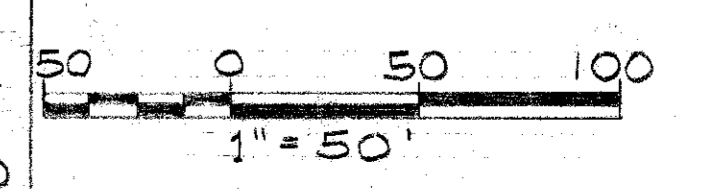


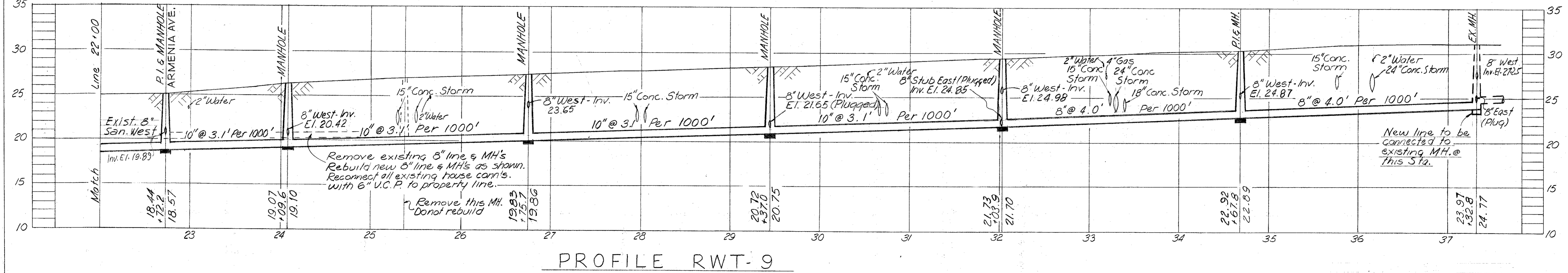
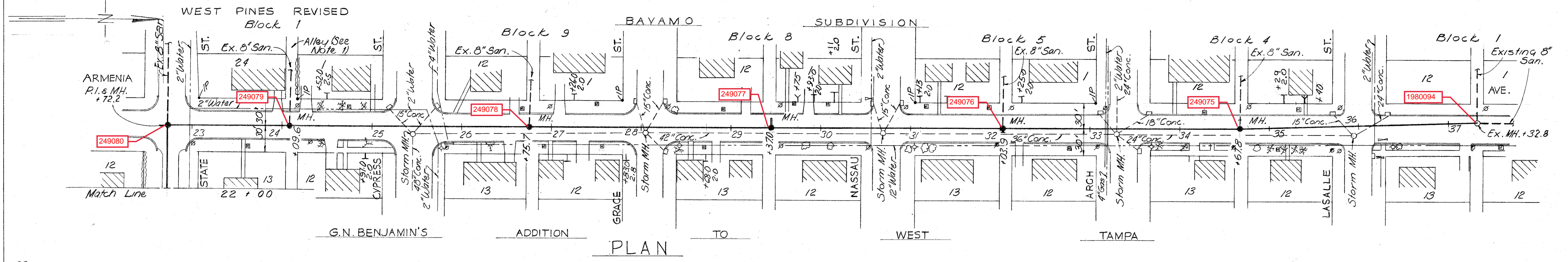
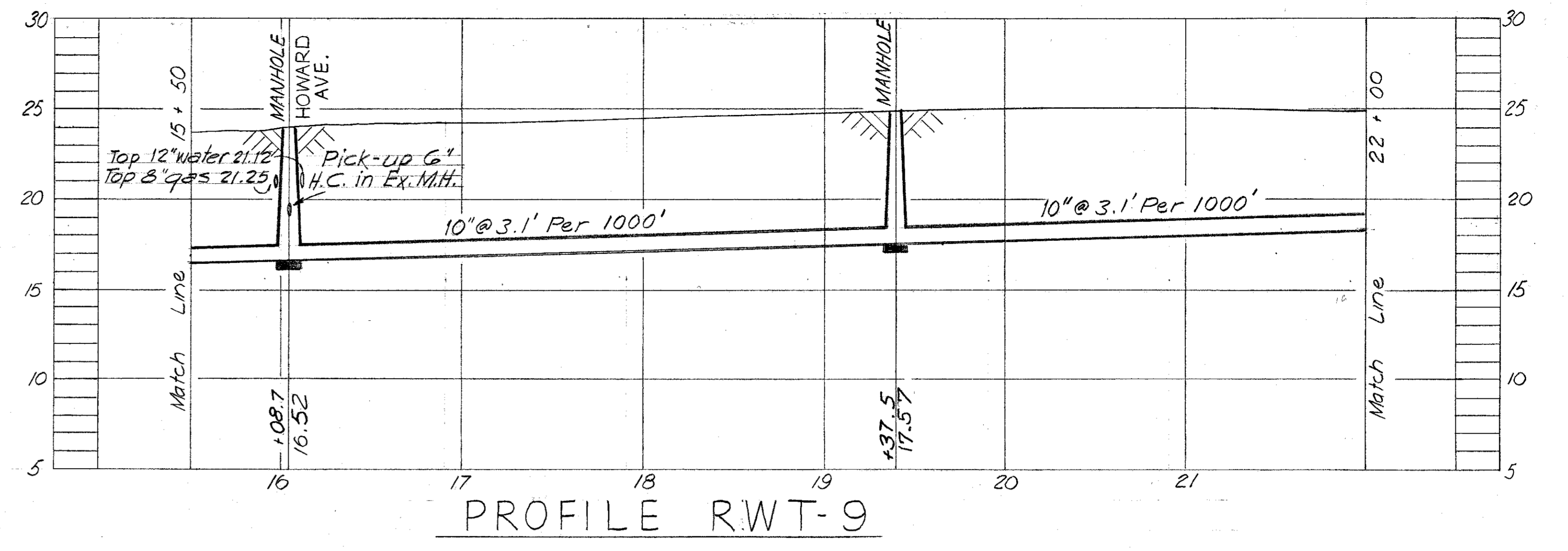
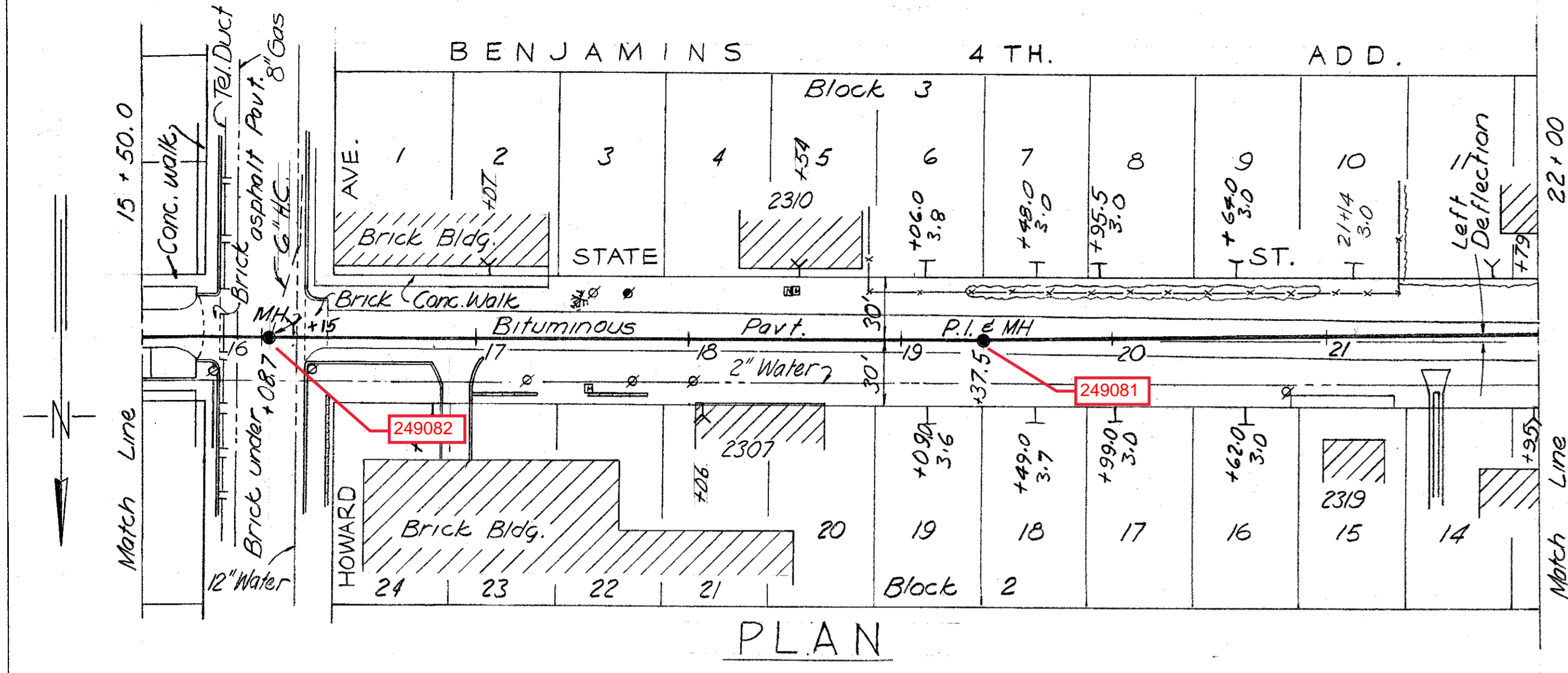
PROFILE
RWT-9

NOTE :- Match slope of existing 8" Sanitary and connect to new Manhole in Fremont Ave.

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 FOR BUREAU OF SANITARY SEWERS DEPT. OF PUBLIC WORKS		CITY OF TAMPA, FLORIDA RENEWAL AND REPLACEMENT FUND SEWER IMPROVEMENTS	
REC'D. <i>Arthur S. Cooper</i> Date 11-7-60 Executive Engineer		RWT-9 STA. 0+00 TO STA. 14+00	
APPROVED <i>E. S. Smith</i> Date 11-7-60 Superintendent			
APPROVED <i>Ray D. ...</i> Date 11-15-60 Supt. Dept. of Public Works			
FOR J. E. GREINER COMPANY APPROVED <i>George Debus</i> Date 11-10-60 FOR WELSMAN AND SINGLETON APPROVED <i>W. Wederman</i> Date 11-10-60		DES. A.S.C. DR. R.V.J. CKD. A.S.C. DATE SEPT. 1960	SHEET 1 OF 9

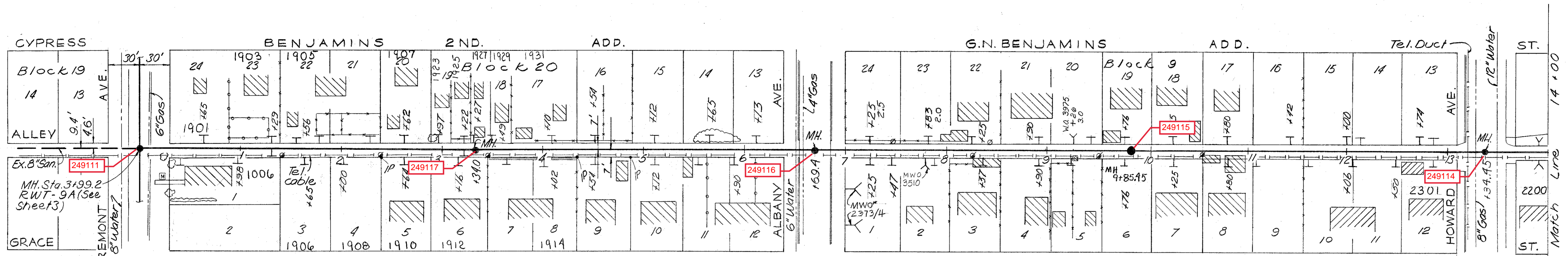




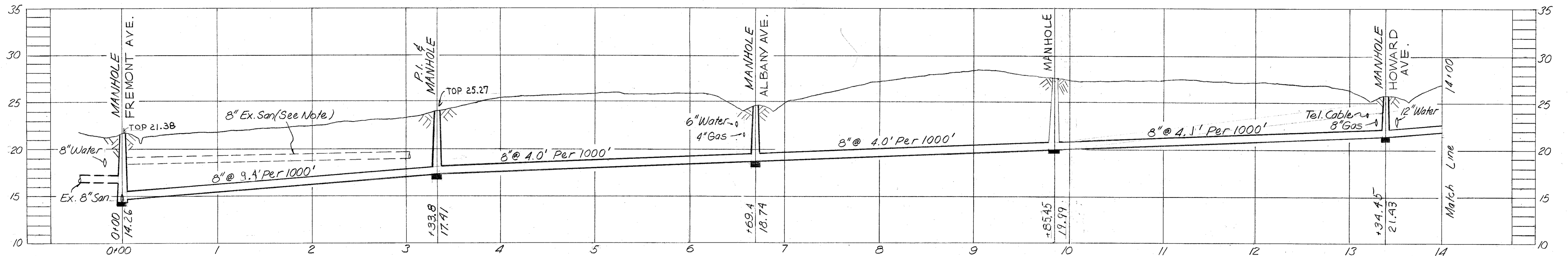
NOTE:-
1- All alleys are 14' wide

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. <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-9 STA. 14+00 TO STA. 37+33.3	
REC'D <u>Arthur S. Cooper Jr.</u> Date <u>11-7-60</u> Executive Engineer	APPROVED <u>Frank 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 B. Van Landuyt</u> Date <u>11-15-60</u> Supt. Dept. of Public Works	APPROVED <u>George J. Benjamin</u> Date <u>11-10-60</u> FOR THE MAN AND SINGLETON	50 0 50 100 1" = 50' SHEET <u>2</u> OF 9	
APPROVED <u>W. Weder</u> Date <u>11-10-60</u>	FOR J. E. GREINER COMPANY		



PLAN

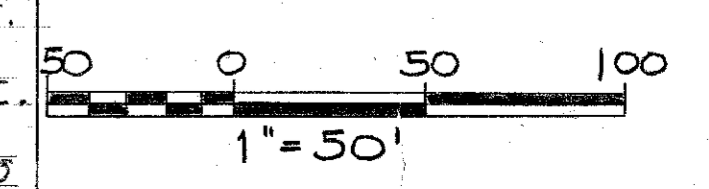


PROFILE - RWT-9A-1

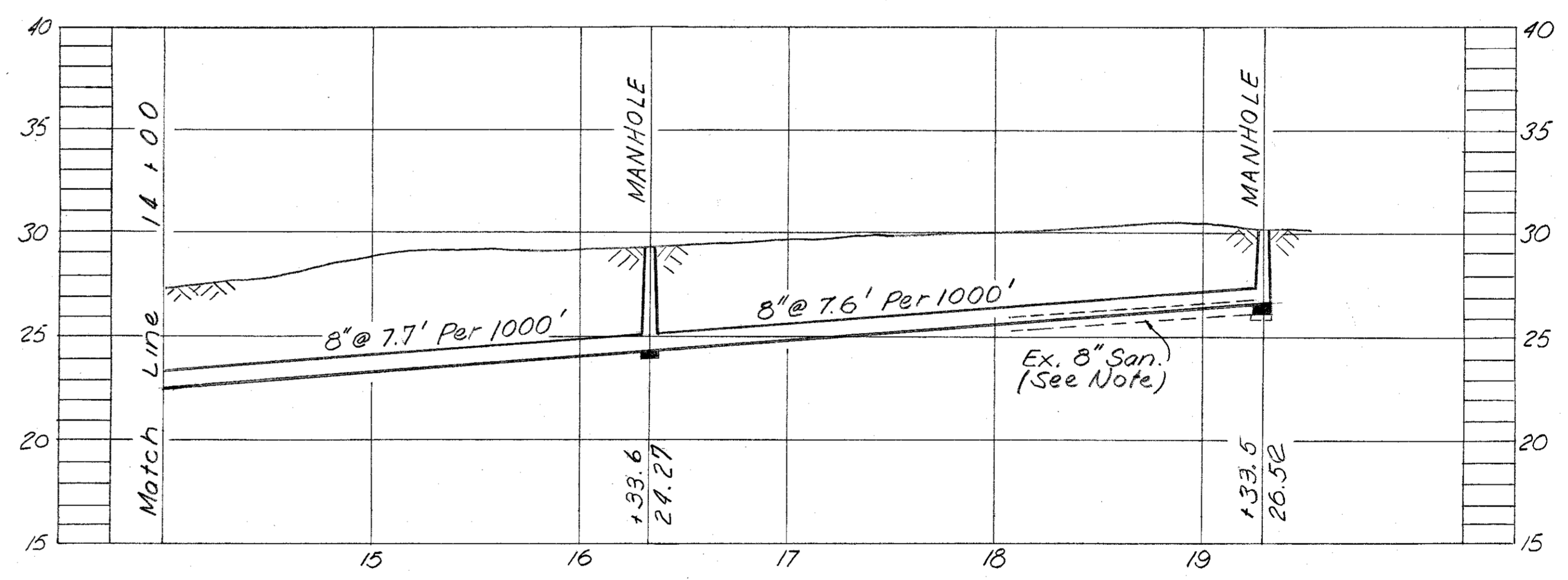
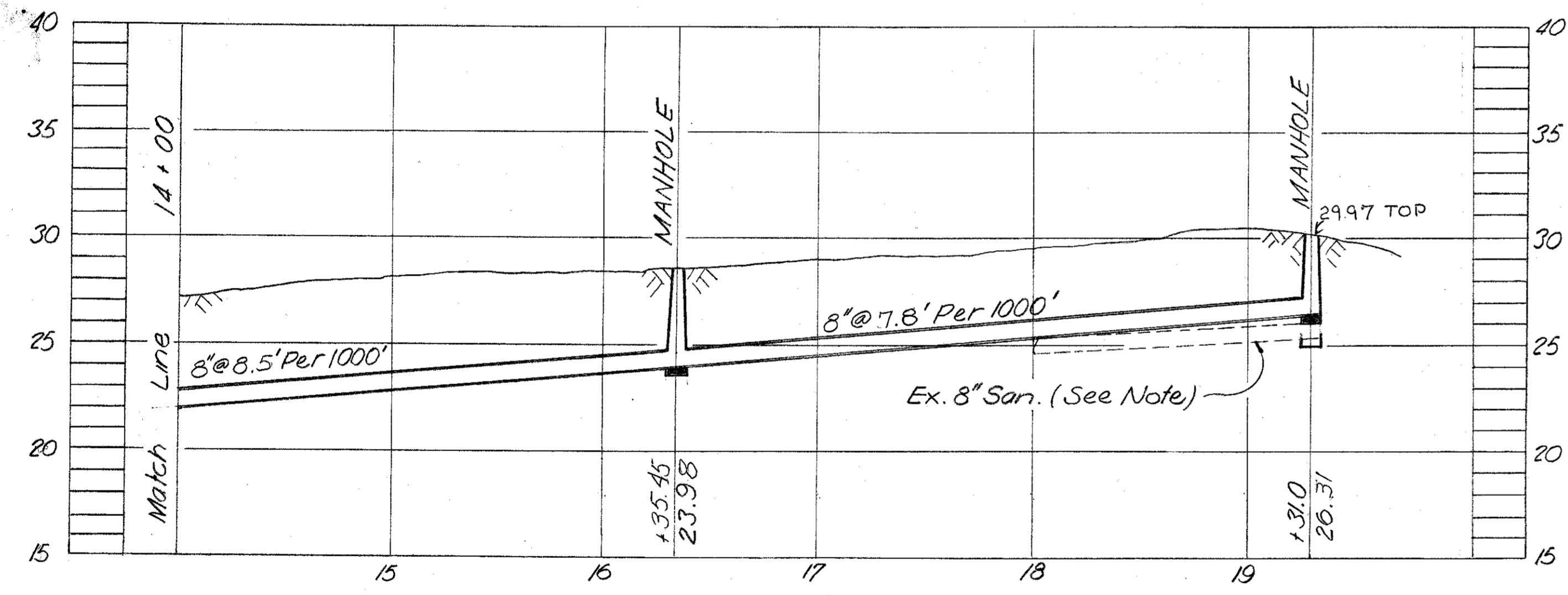
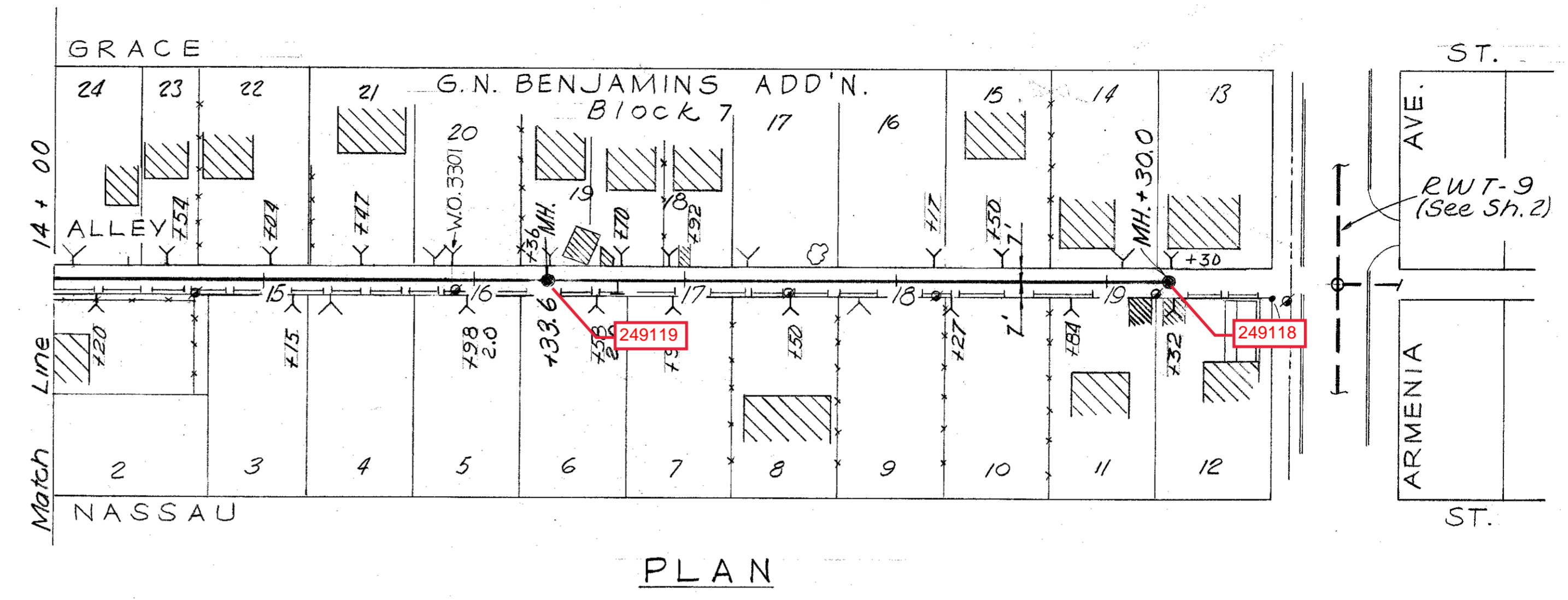
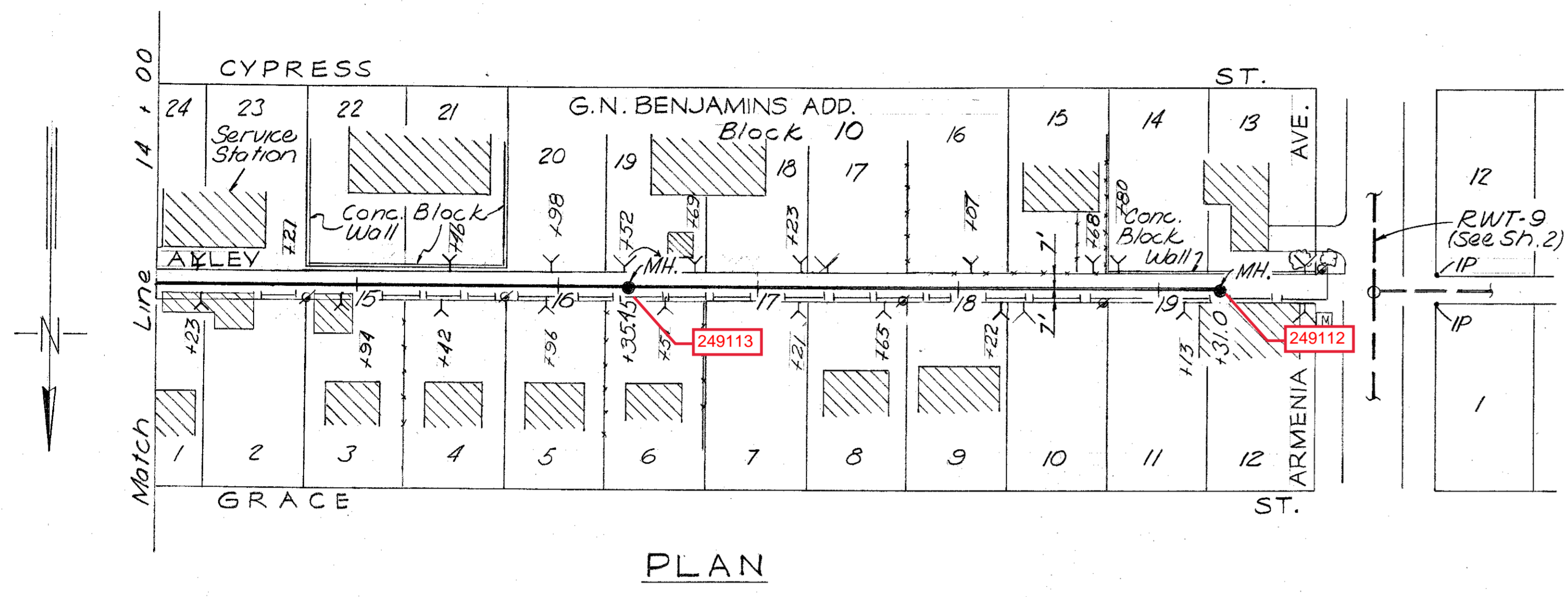
Note:-
 Remove 8" Sanitary Sewer pipe & Manholes from Alley.
 Replace with new line as shown. Reconnect existing house connections using 6" V.C.P. to property line.
 Install new house connections as required.

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

WORK ORDER NO. <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>William S. Cooper, Jr.</u> Date <u>11-7-60</u> Executive Engineer		RWT-9A-1 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			
FOR J. E. GREINER COMPANY		DES. A.S.C. DR. R.V.J.	
APPROVED <u>[Signature]</u> Date <u>11-10-60</u>		CKD. A.S.C.	
FOR WIDEMAN AND SINGLETON		DATE	
APPROVED <u>[Signature]</u> Date <u>11-10-60</u>		SEPT, 1960	



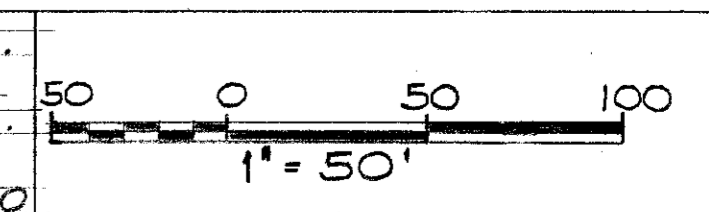
SHEET
 5
 OF 9



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.

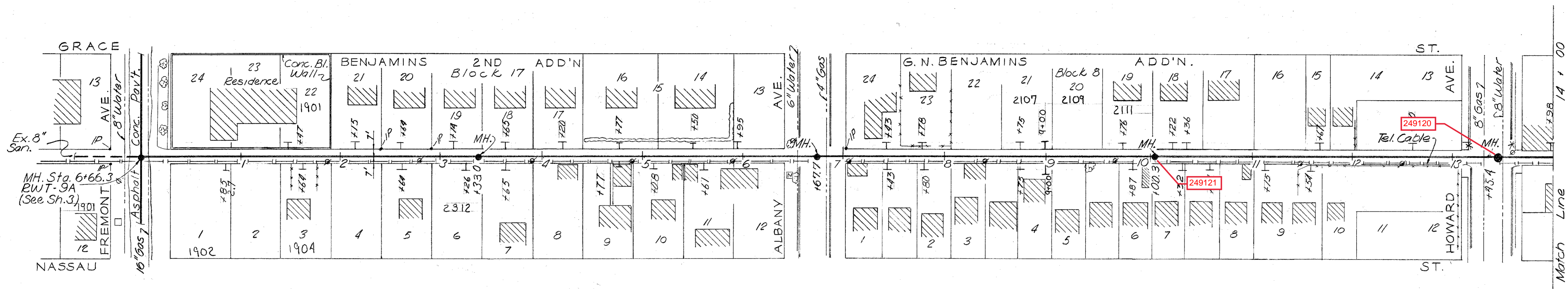
AS-BUILT
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION
 RECORDS AS OF 3-19-61
 (HMK 4-15-71)

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

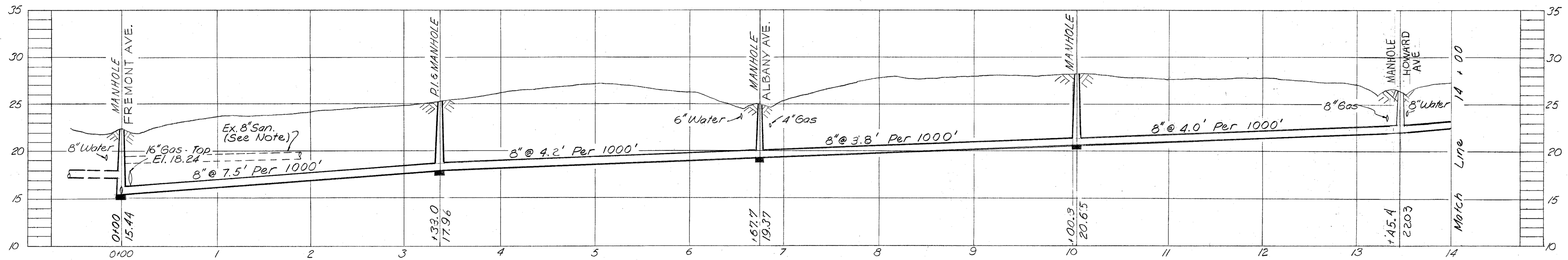


SHEET
 6
 OF 9

3-6



PLAN



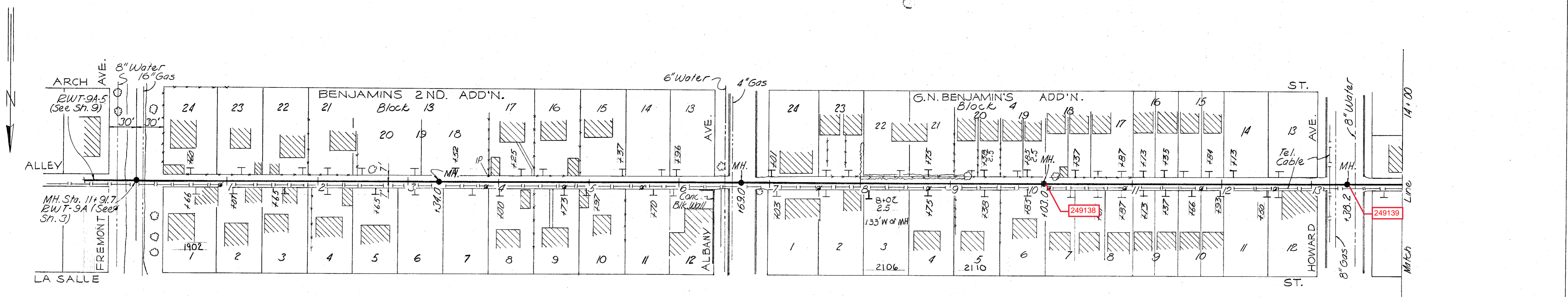
PROFILE—RWT-9A-2

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.

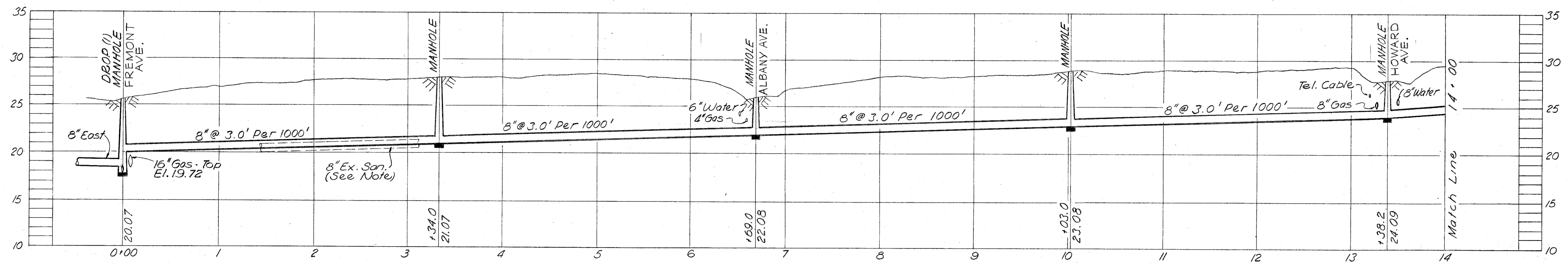
AS-BUILT
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION RECORDS
 AS OF 3-19-61
 (HMK 4-14-71)

WORK ORDER NO. <u>1184</u> R. & R. FORCE ACCOUNT NO. <u>26</u>	CITY OF TAMPA, FLORIDA RENEWAL AND REPLACEMENT FUND
FOR BUREAU OF SANITARY SEWERS DEPT. OF PUBLIC WORKS	SEWER IMPROVEMENTS
REC'D. <u>William S. Cooper Jr.</u> Date <u>11-7-60</u> Executive Engineer	RWT-9A-2 STA. 0+00 TO STA. 14+00
APPROVED <u>E. J. Smith</u> Date <u>11-7-60</u> Superintendent	
APPROVED <u>Ray W. Camp</u> Date <u>11-15-60</u> Supt. Dept. of Public Works	
FOR J. E. GREINER COMPANY	DES. A.S.C. DR. R.V.J.
APPROVED <u>George J. Jenkins</u> Date <u>11-10-60</u>	CKD. A.S.C.
FOR WIEDEMAN AND SINGLETON	DATE
APPROVED <u>J. Weideman</u> Date <u>11-10-60</u>	SEPT., 1960
	50 0 50 100 1" = 50'
	SHEET 7 OF 9

3-7



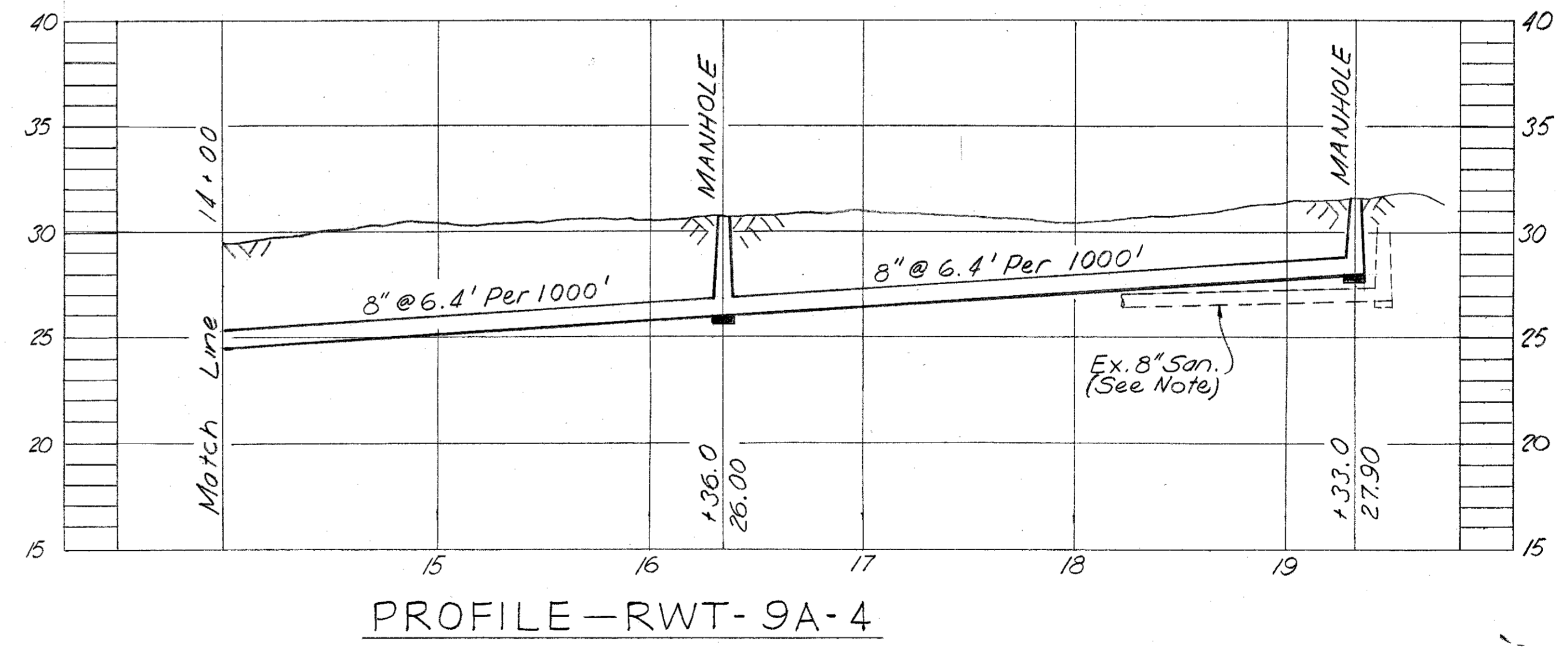
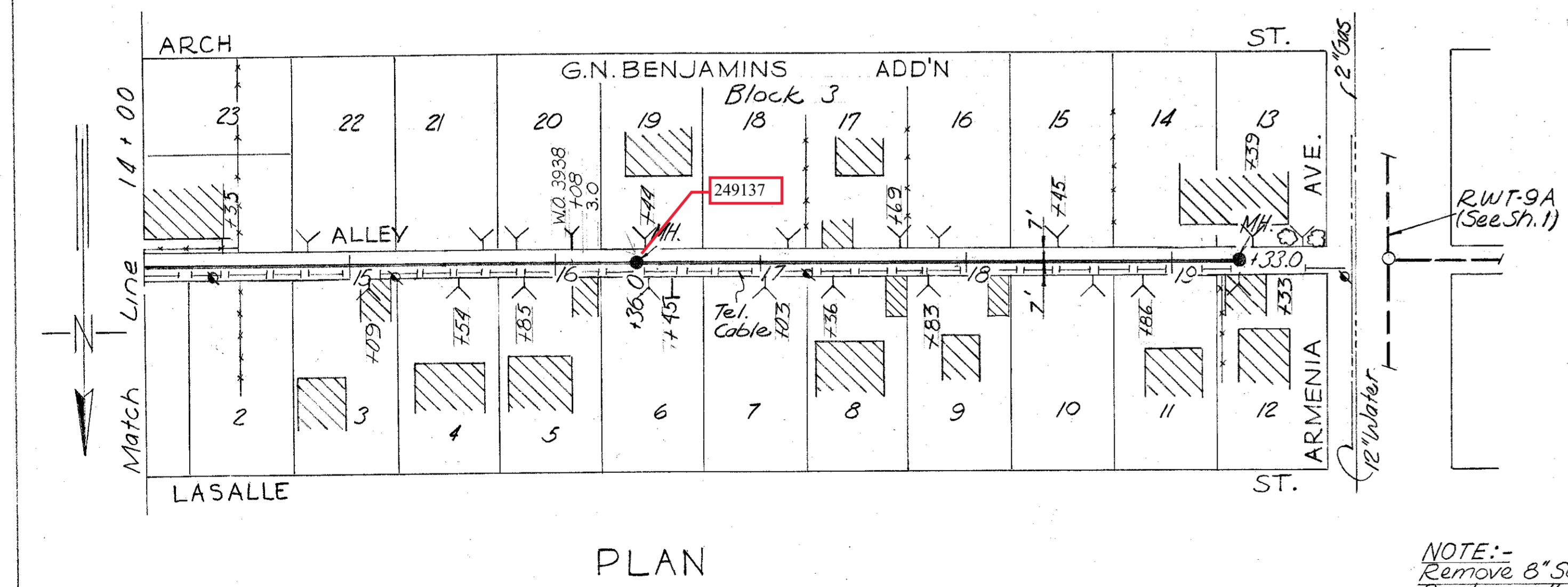
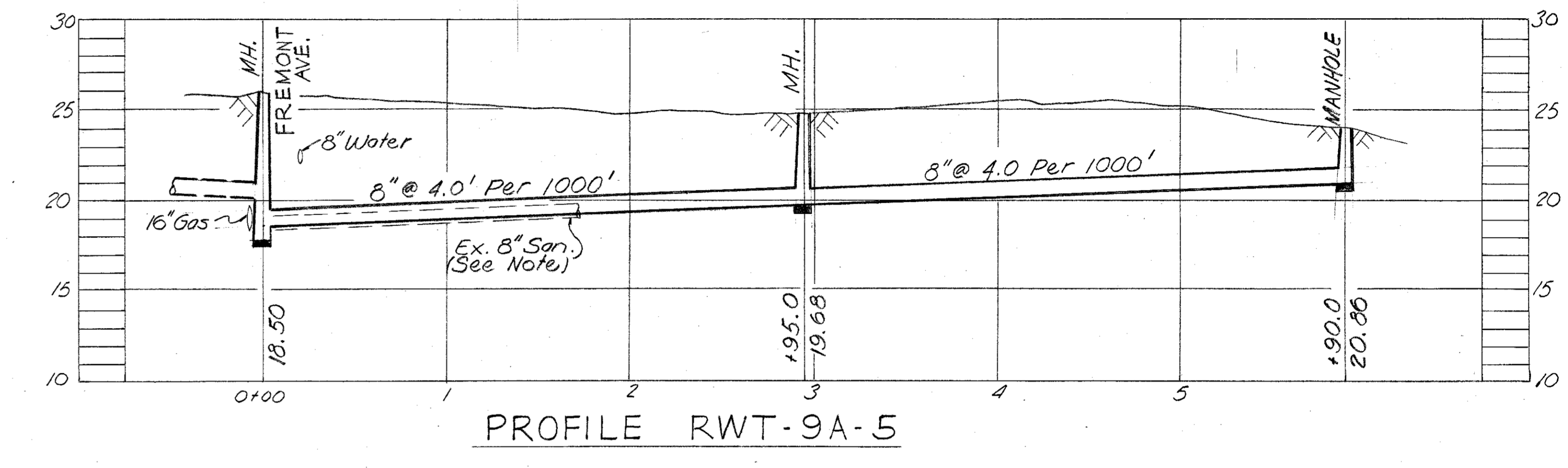
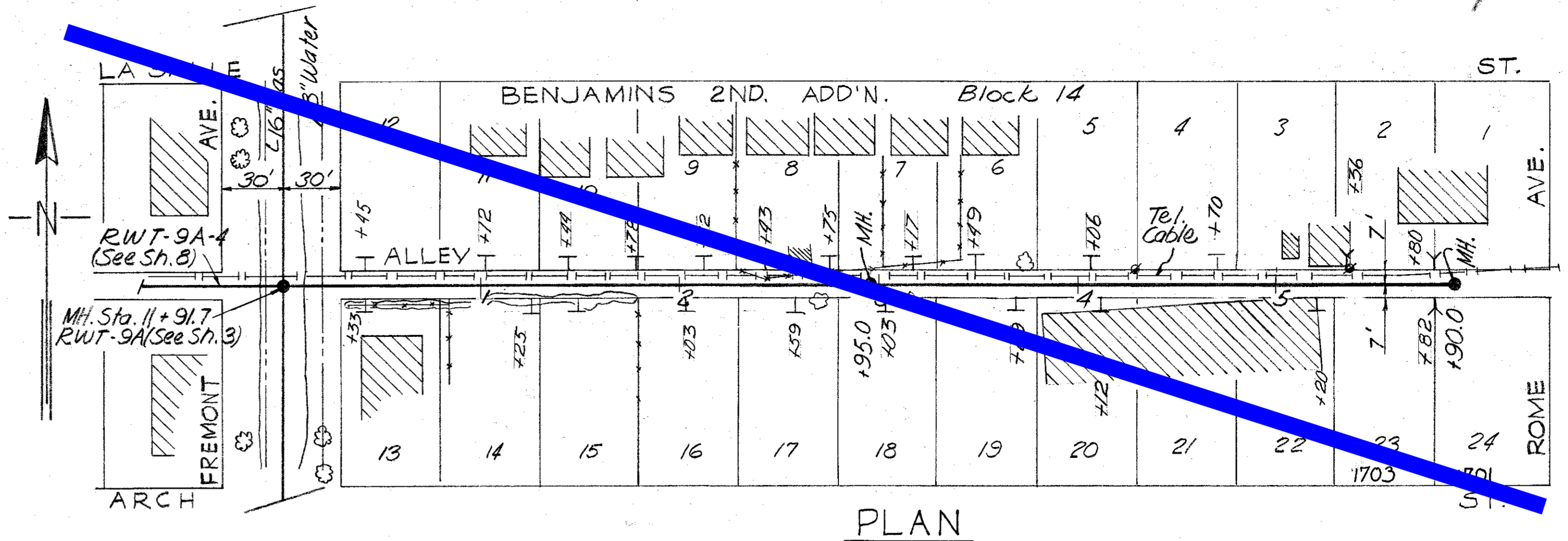
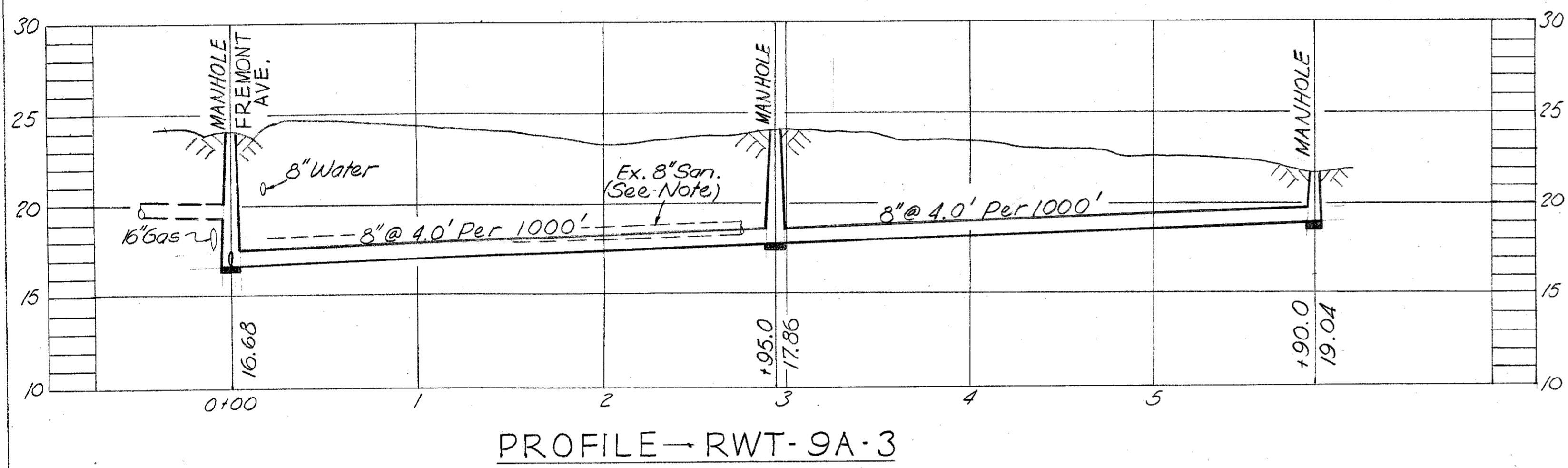
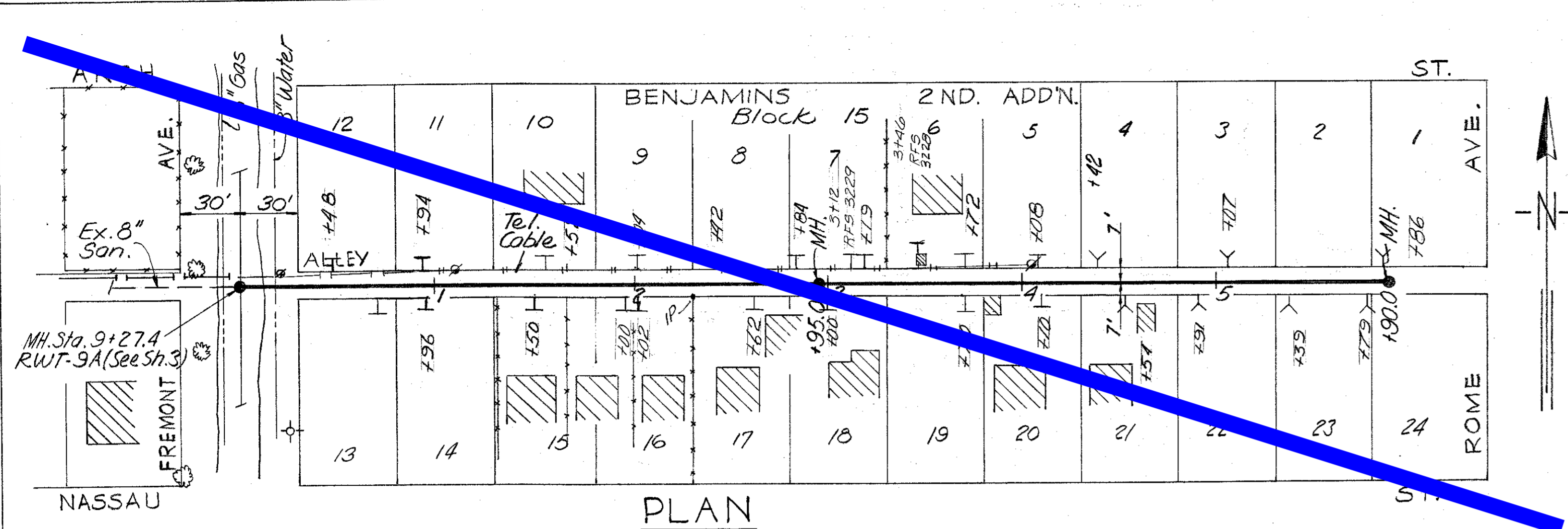
PLAN



PROFILE—RWT-9A-4

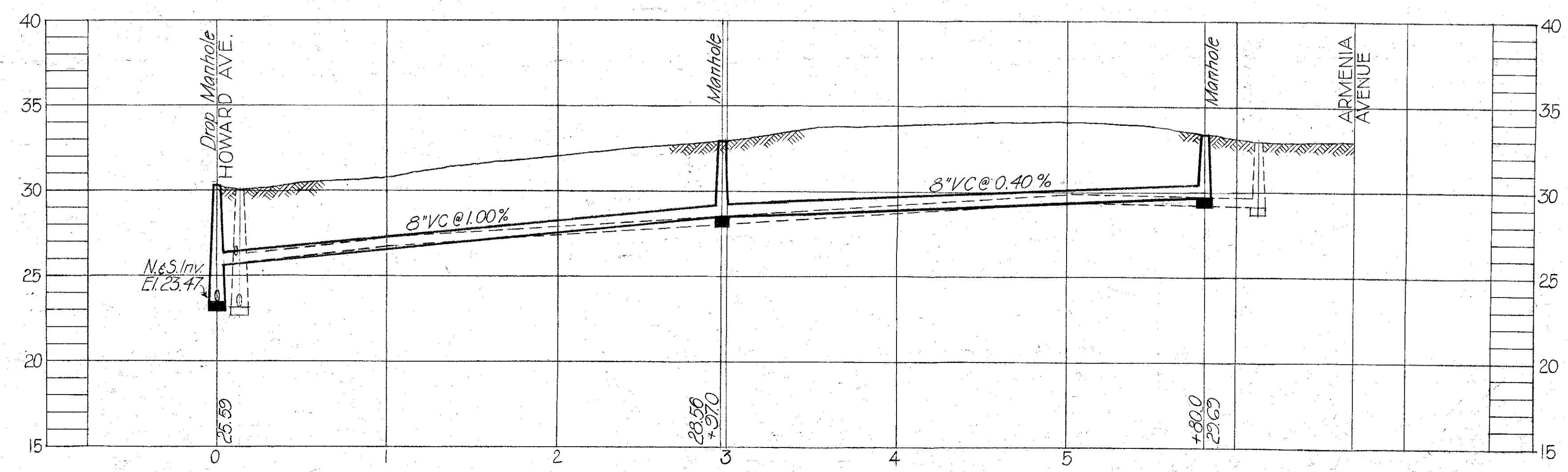
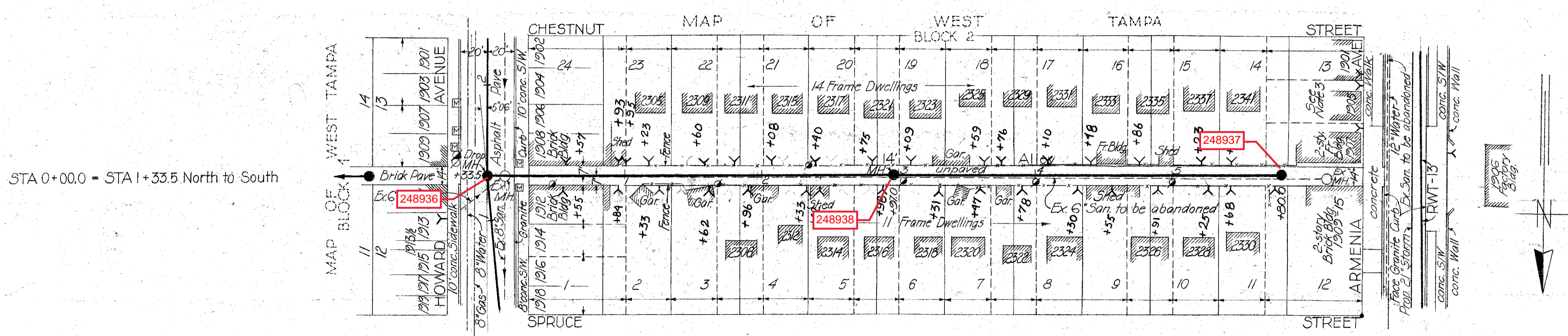
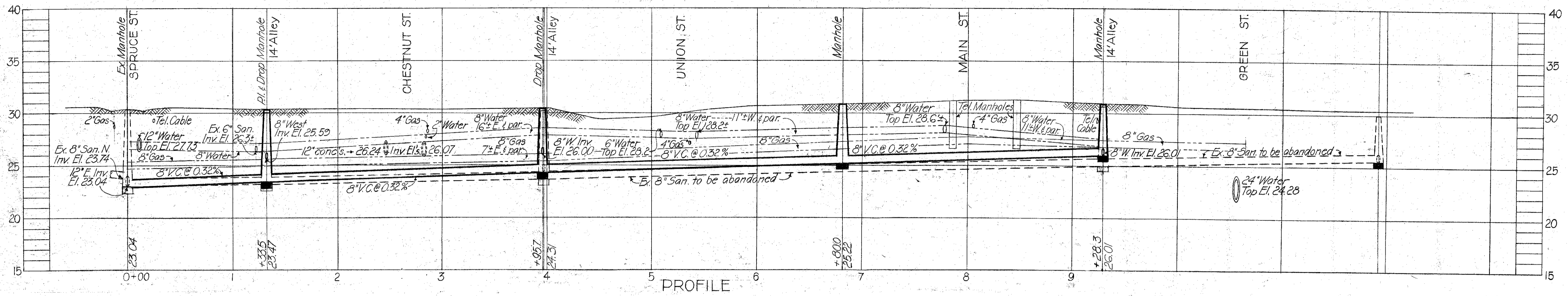
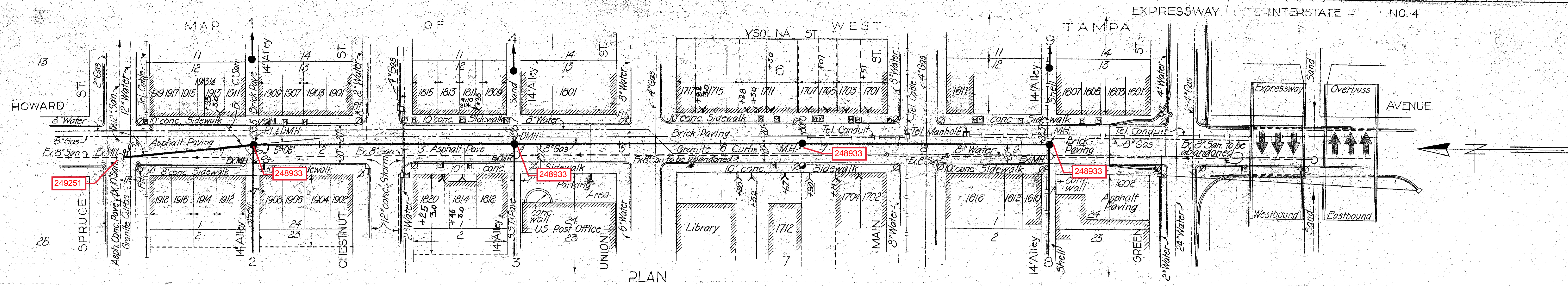
NOTE:-
 Remove 8" Sanitary Sewer Pipe & Manholes from alley. Replace with new line as shown. Reconnect existing house connections using 6" V.C.P. to property line. Install new house connections as required.

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	

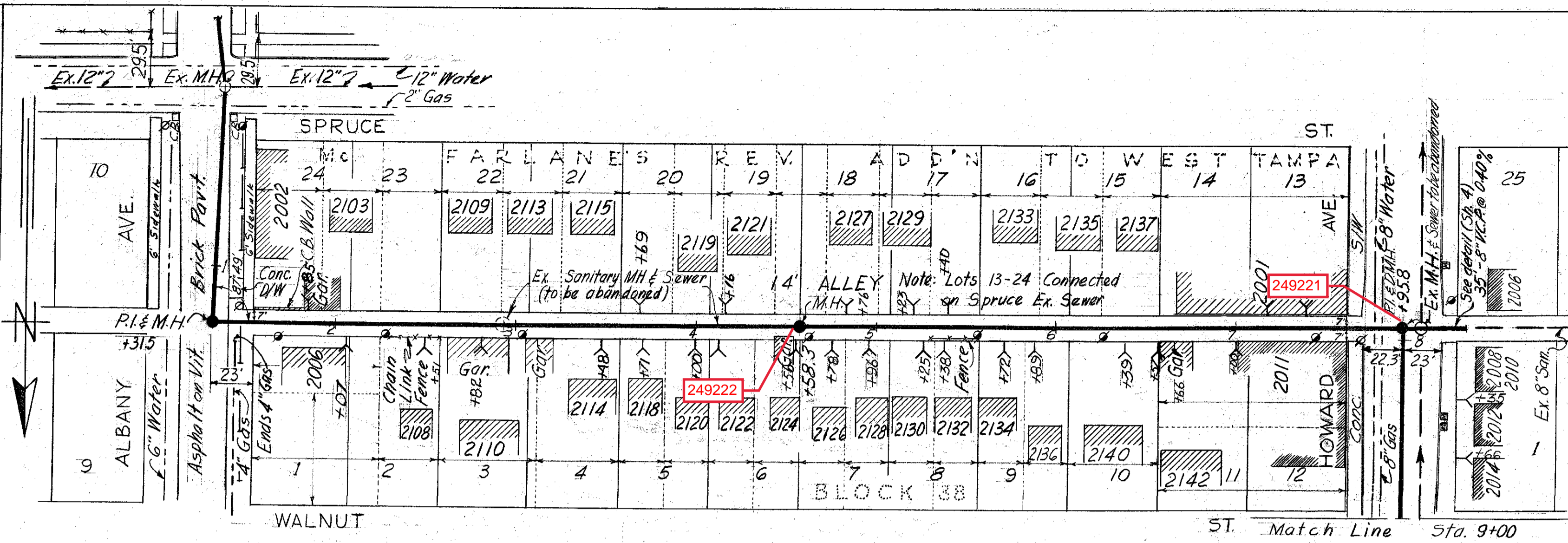


PROFILE

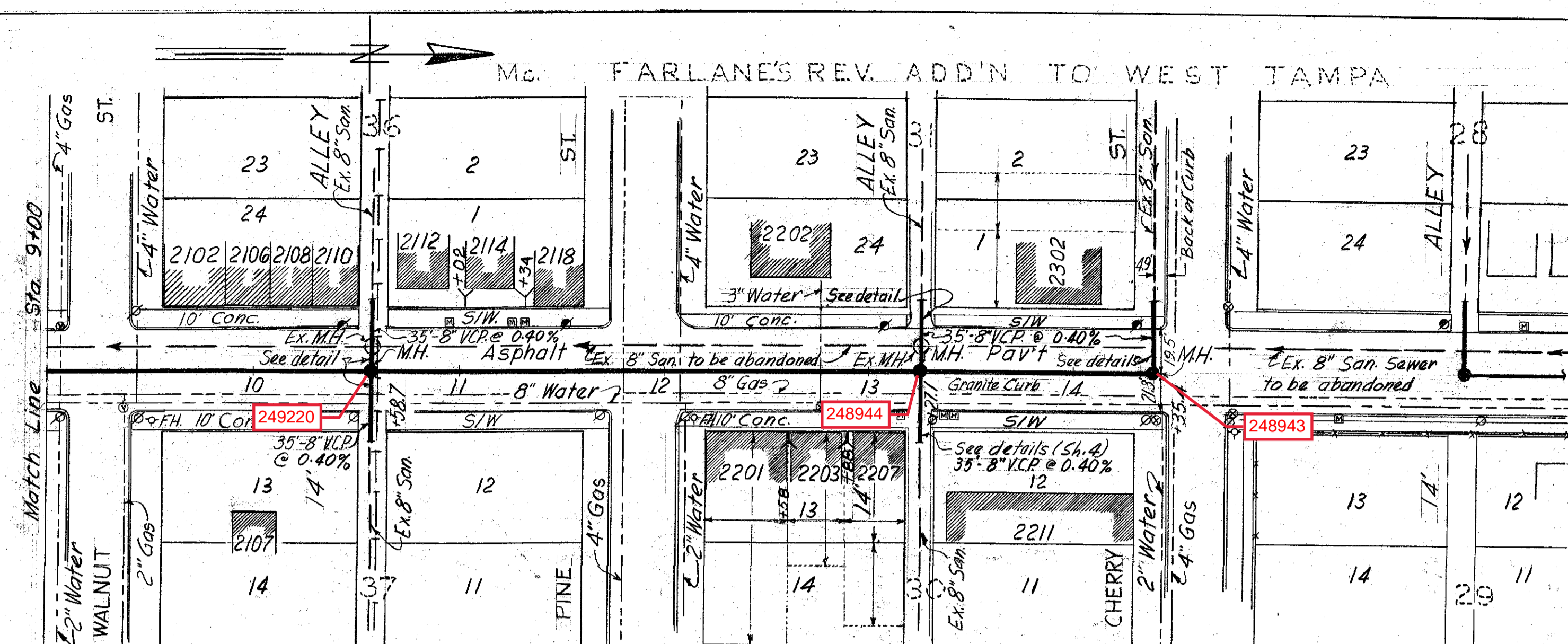
- Notes:
- 1.) - - - - - Property lines as indicated by Hillsborough County Tax Records.
 - 2.) Reference Elevation: Temporary Benchmark Nail in power pole @ SE corner of Howard Ave. and Spruce St. Elev. 30.551
 - 3.) Y indicates 8" x 6" wye @ main sewer with 6" house connection to R.

HSE COM'S FROM DAILY REPORTS

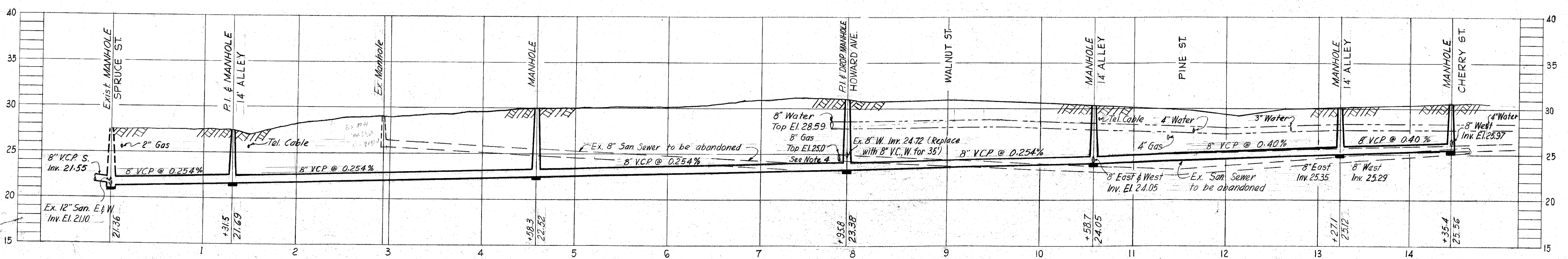
CITY OF TAMPA, FLORIDA	
THIRD SEWER REVENUE BOND PROGRAM	
SEWER IMPROVEMENTS	
<p>→ HOWARD - Spruce to Alley N. of Green</p> <p>→ ALLEY N. OF CHESTNUT - Howard to Armenia</p>	
DES: CMT	DRN: H.K.
CKD: CMT	SCALE: 1"=50'
DATE: 8-19-66	



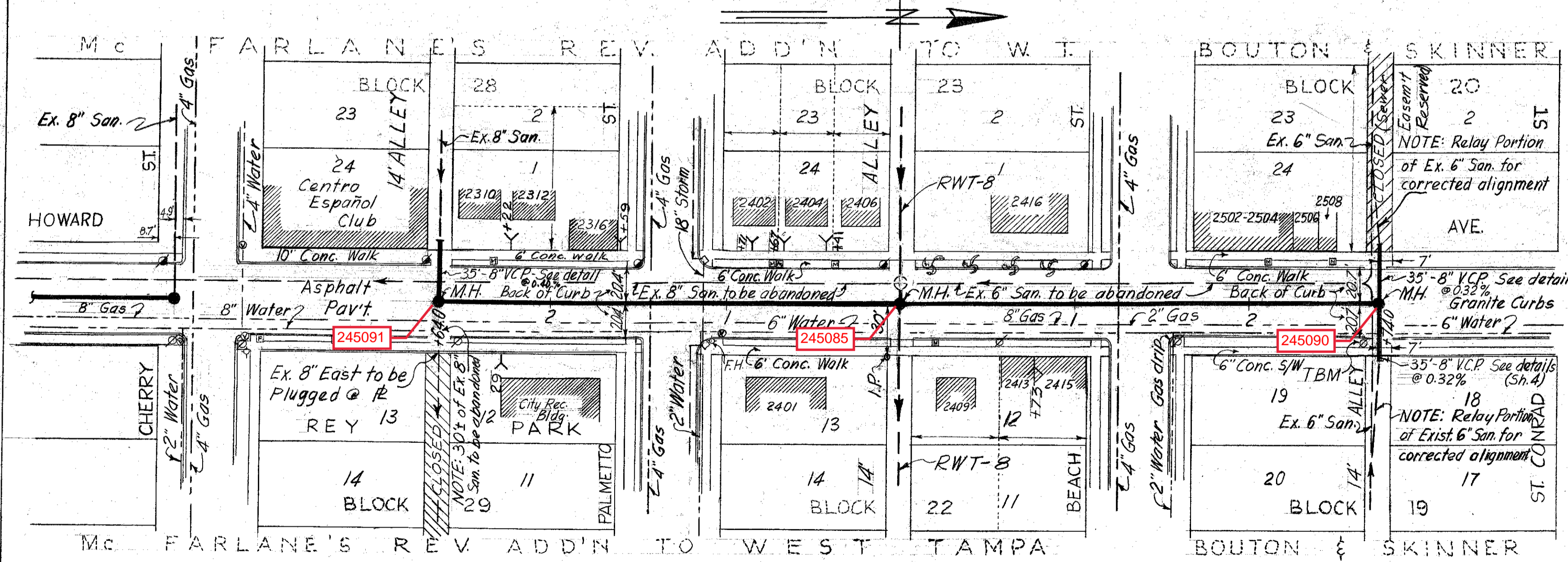
PLAN



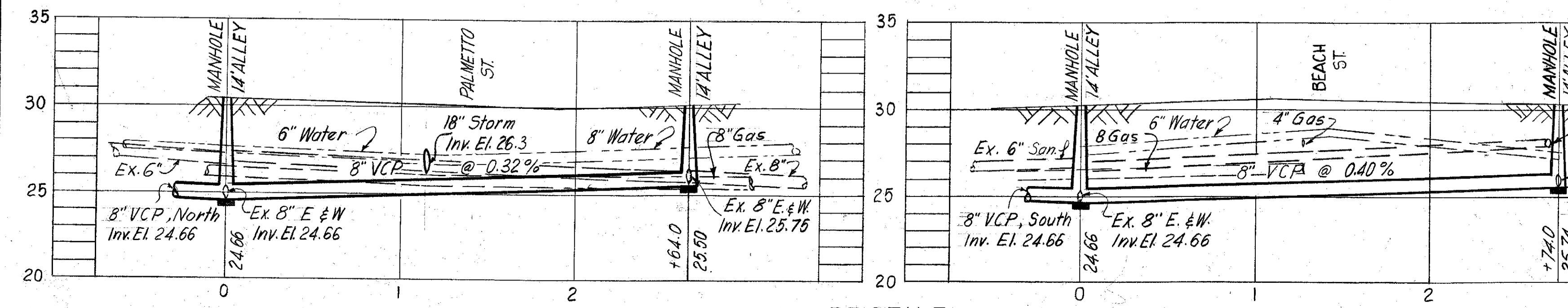
PLAN



PROFILE



PLAN



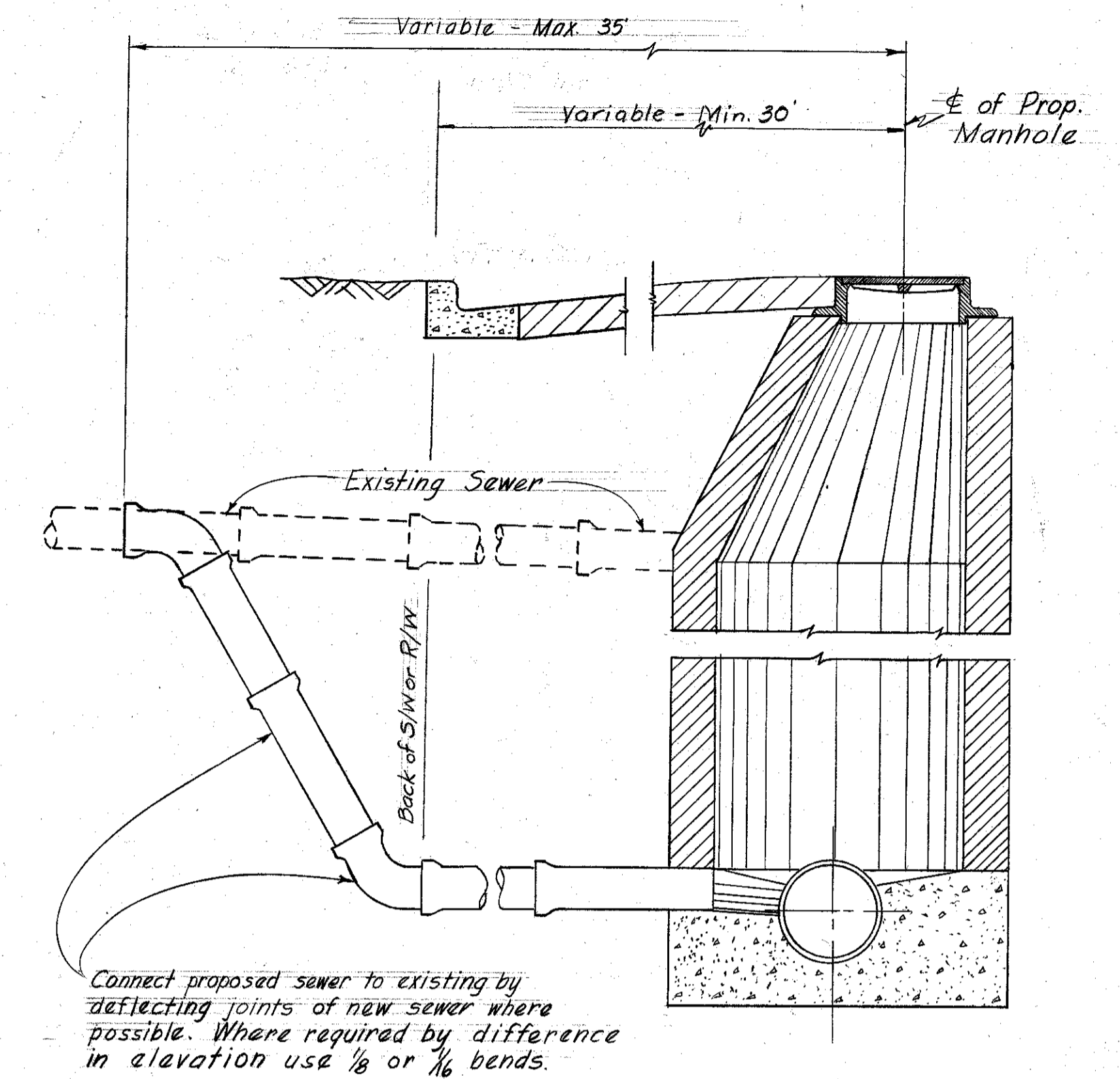
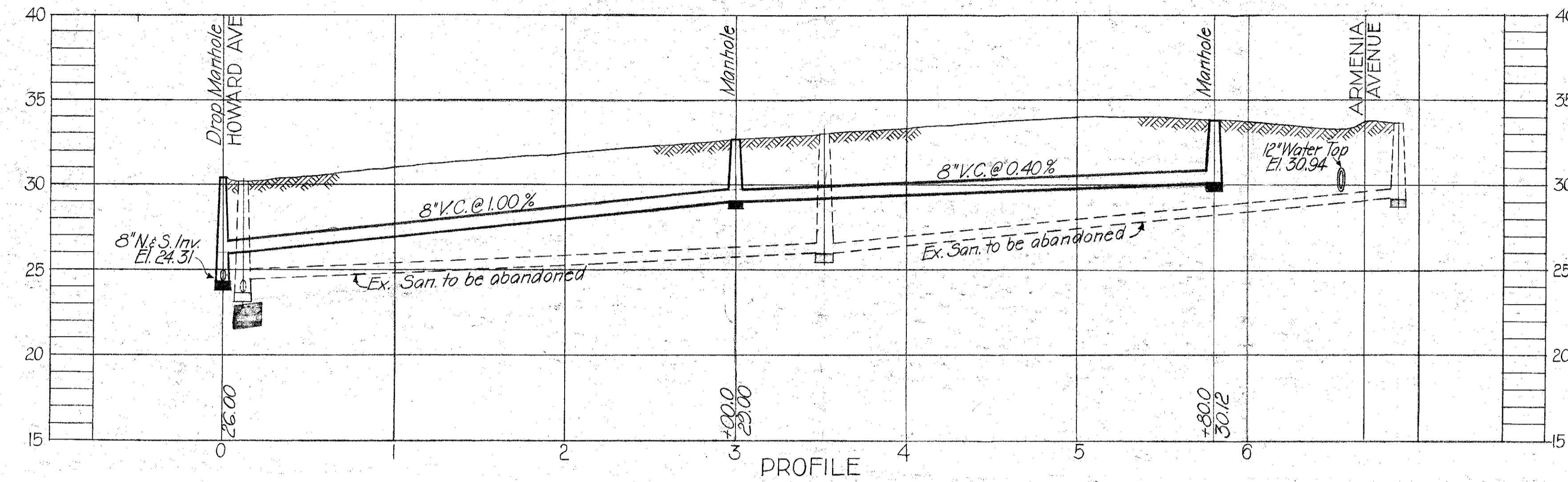
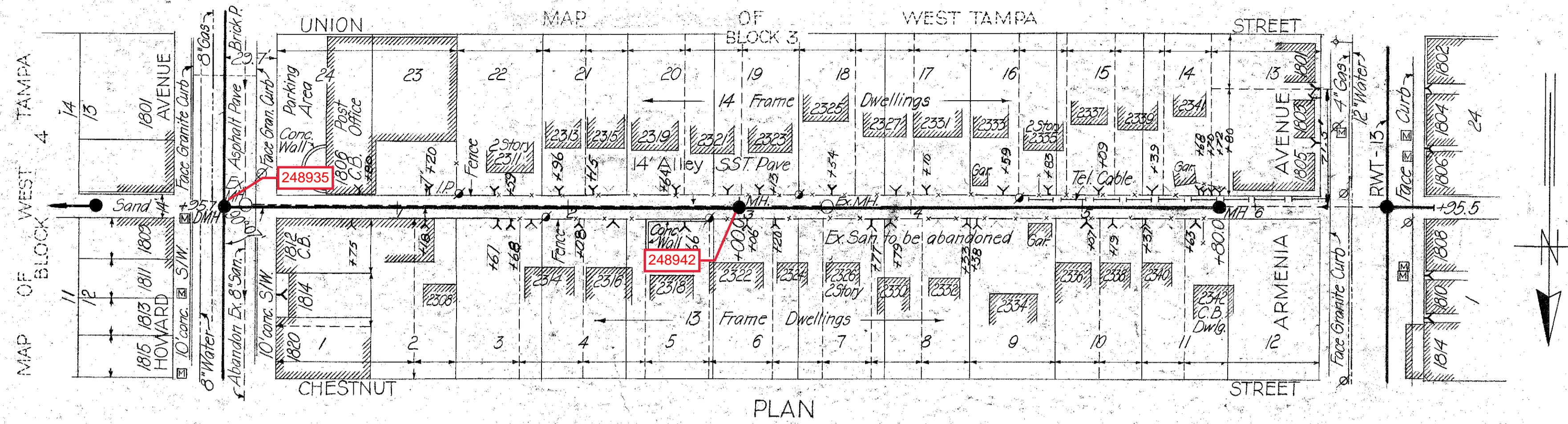
PROFILE

- NOTE:
- Property lines as indicated by Hillsborough County Tax Records.
 - Reference Elev., nail in power pole @ S.E. corner of Howard Ave. and Spruce St. Elev. 30.551
 - Reference Elevation; nail in power pole @ alley North of Beach & East of Howard Ave., Elev. 30.554
 - 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	

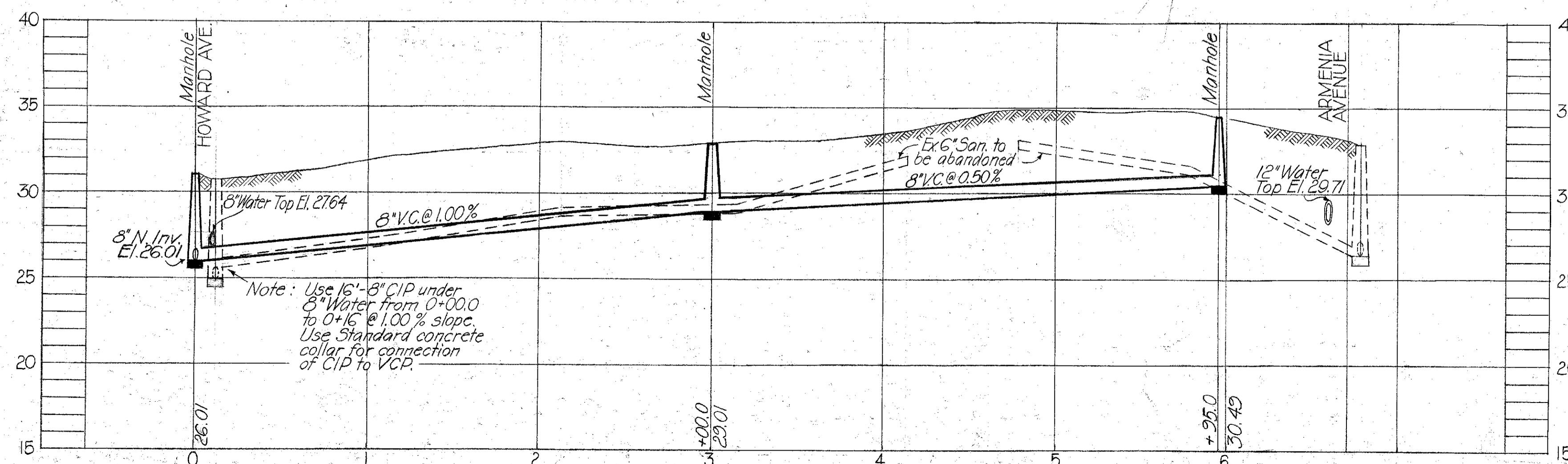
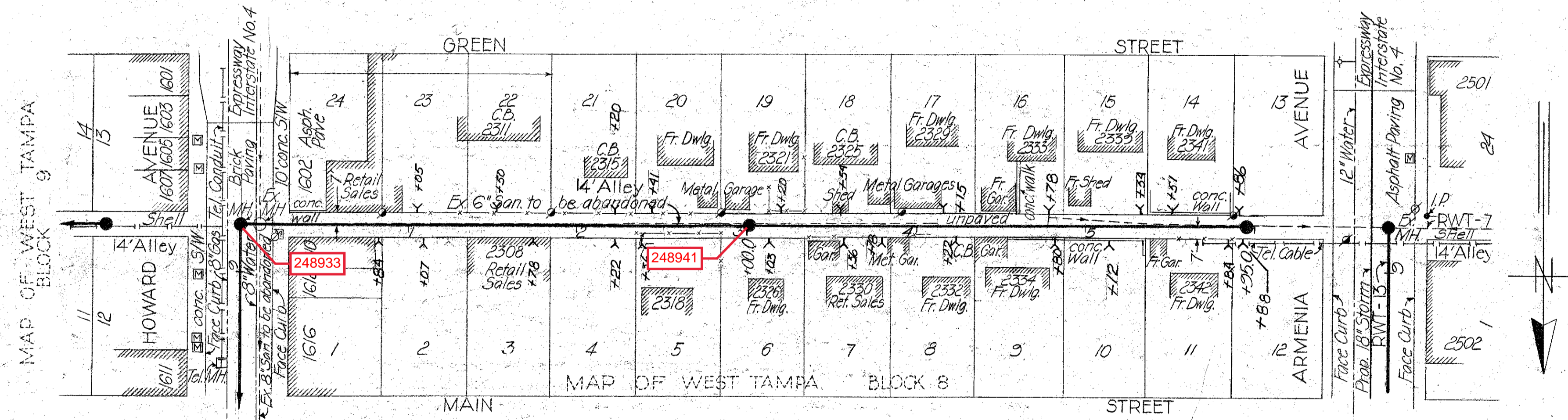
DES: JMR	RENEWAL & REPLACEMENT PROGRAM	SHEET
DRN: JMR		3
CHK: CMT		OF 9
SCALE: 1"=50'	PROJECT: 3-1 SUBDISTRICT: A-5	
DATE: 6-1962		

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



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

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



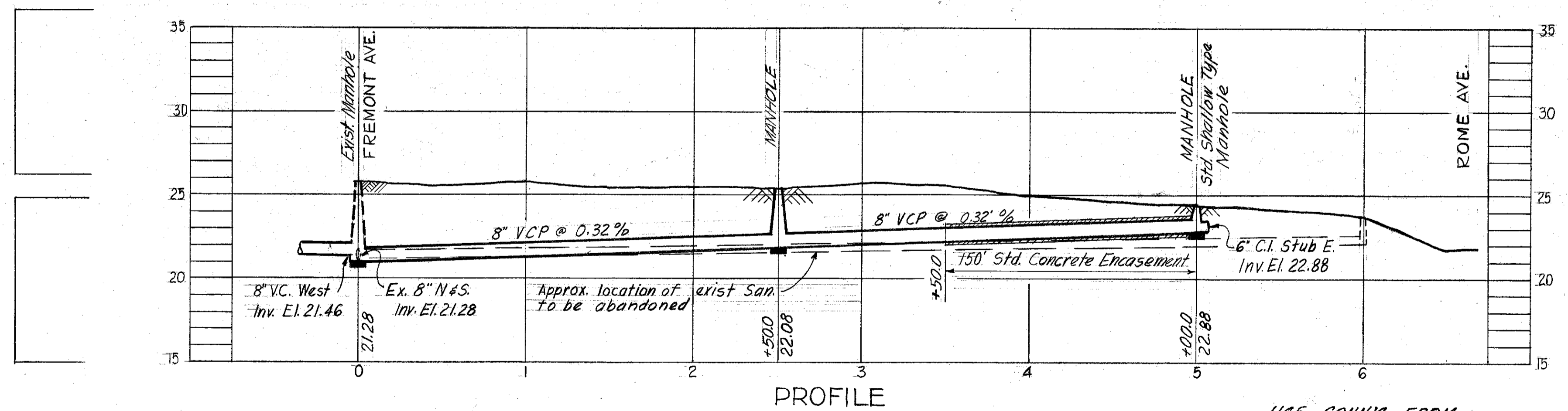
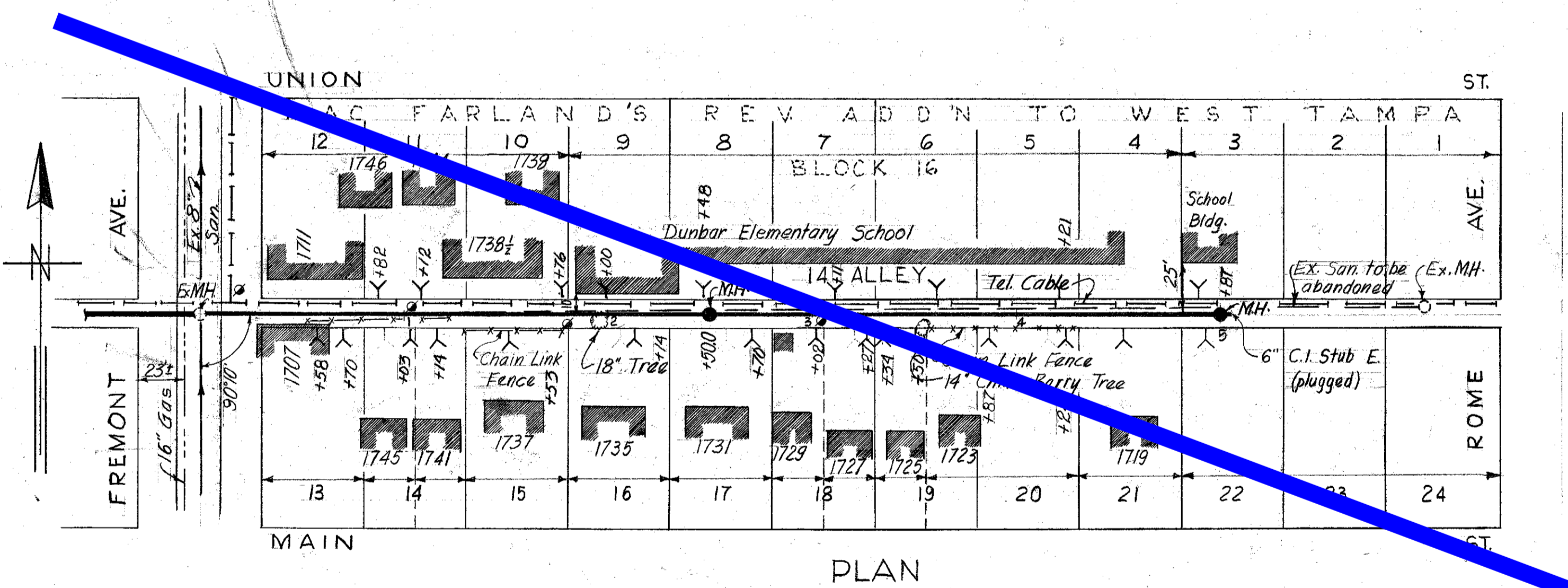
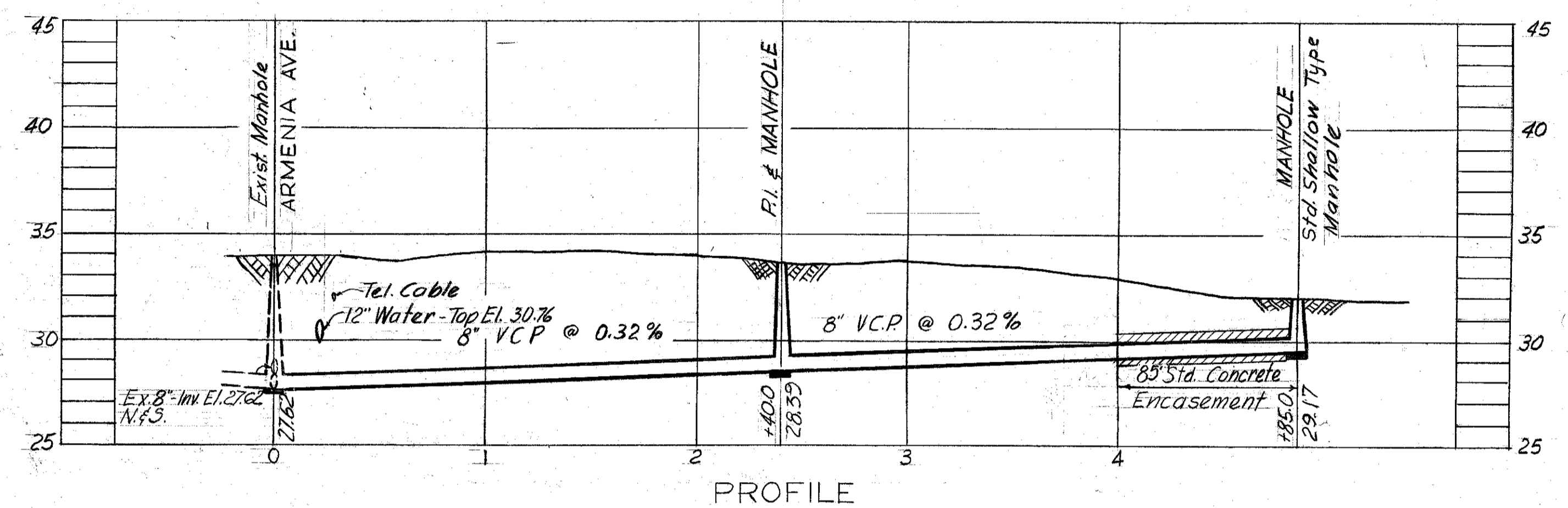
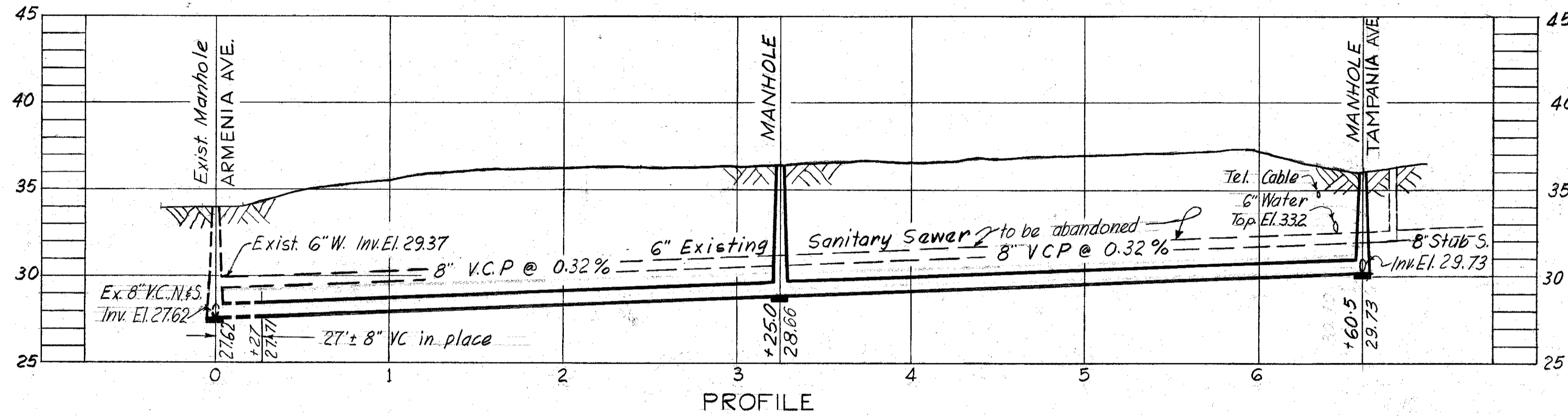
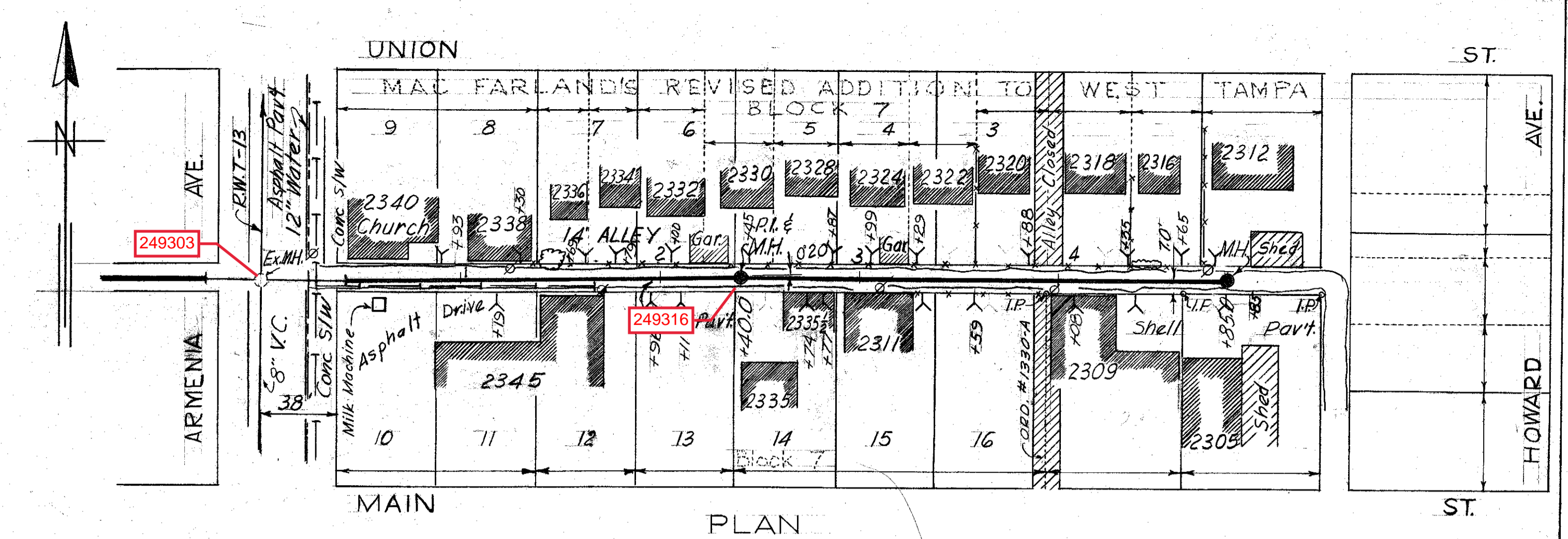
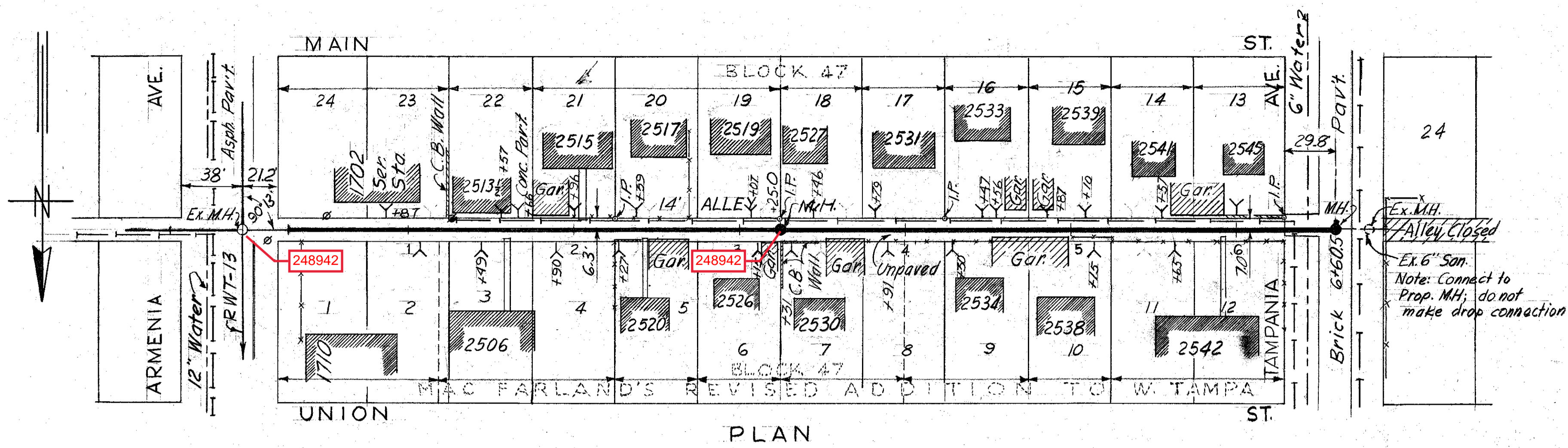
PLAN

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:
 - Nail in power pole @ N.W. corner of Armenia & Alley N. of Main, Elev. 34.611
 - Sidewalk @ N.E. corner Albany & Green. (Office check unavailable) Elev. 28.562

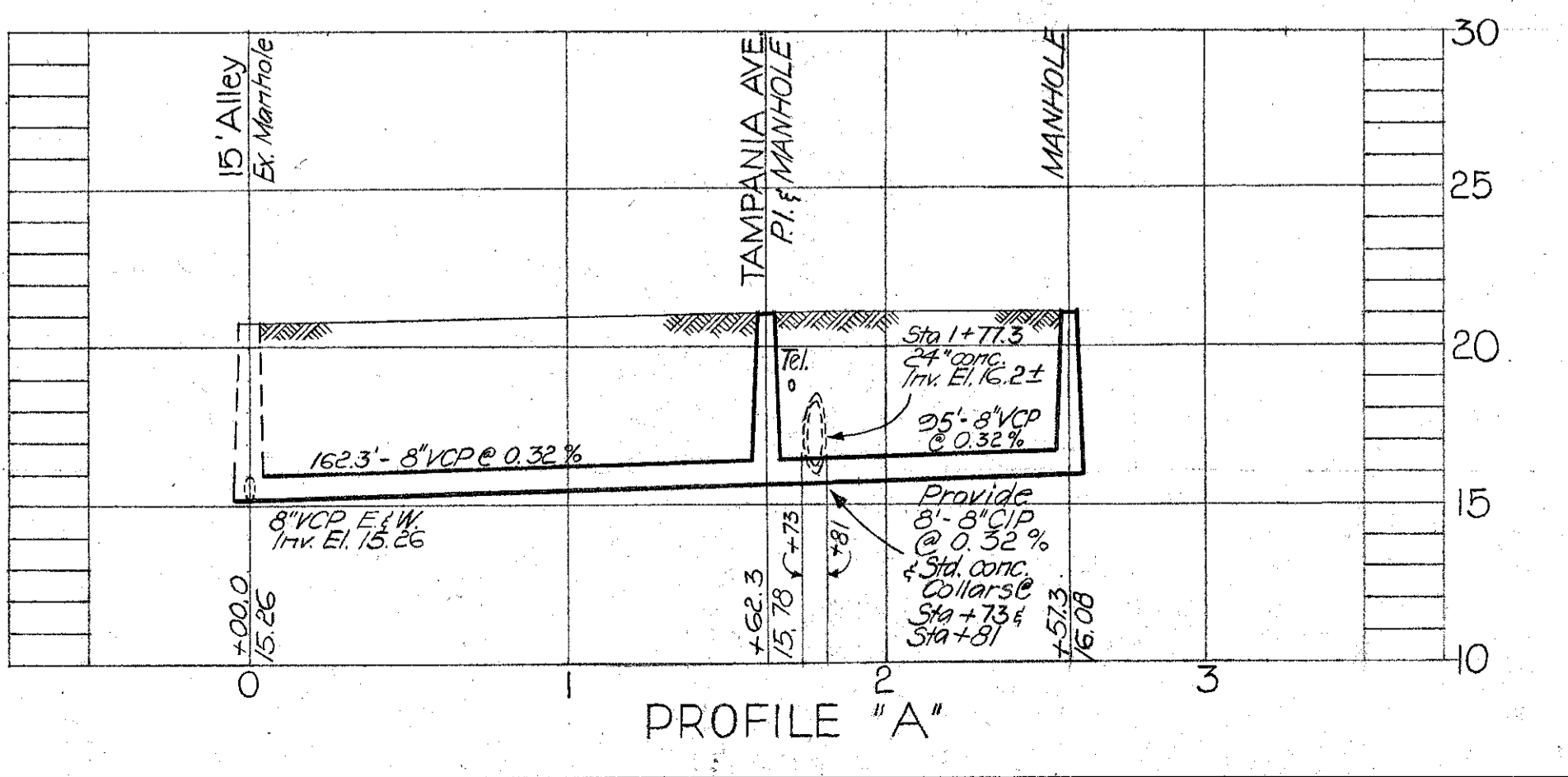
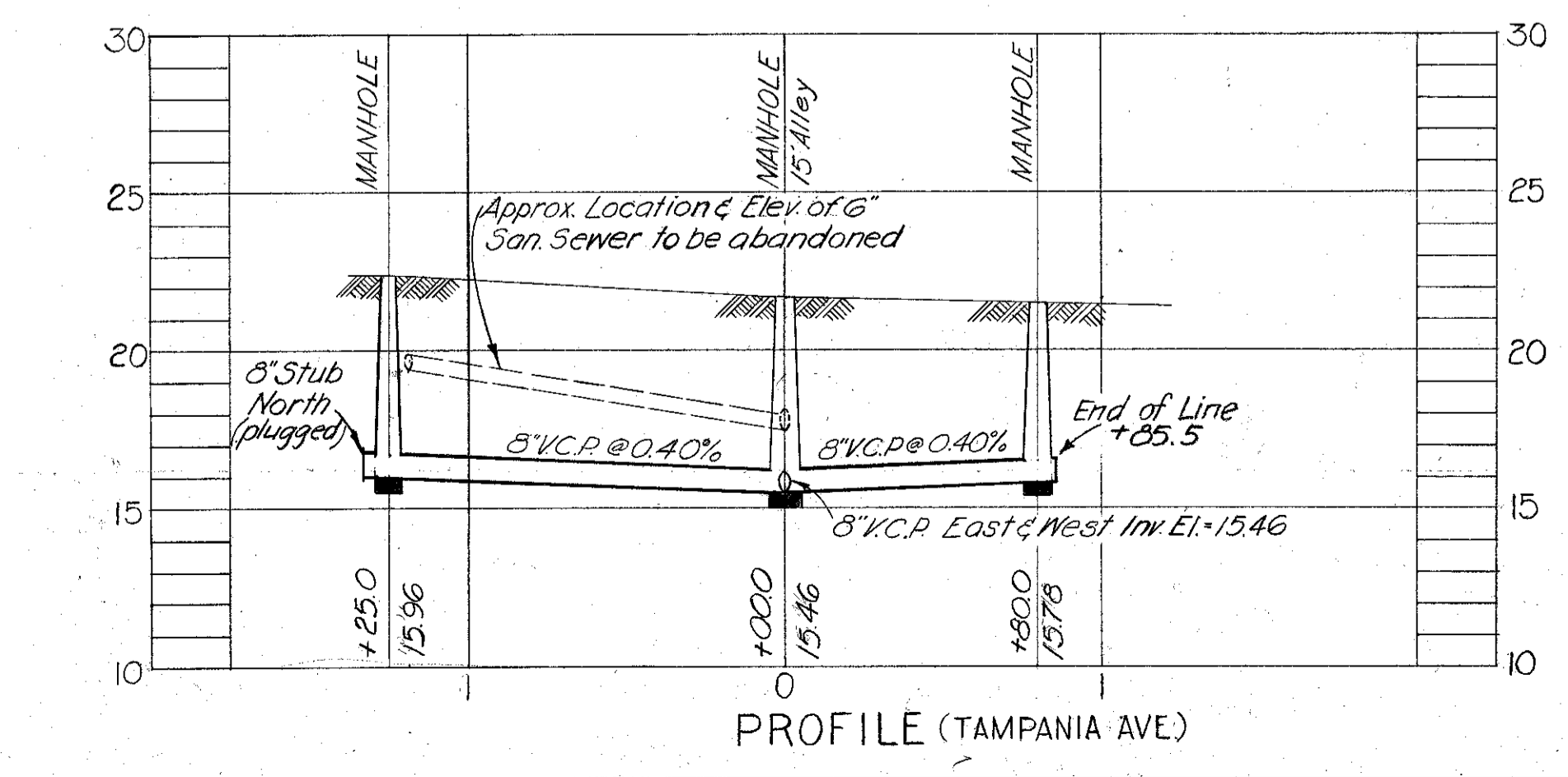
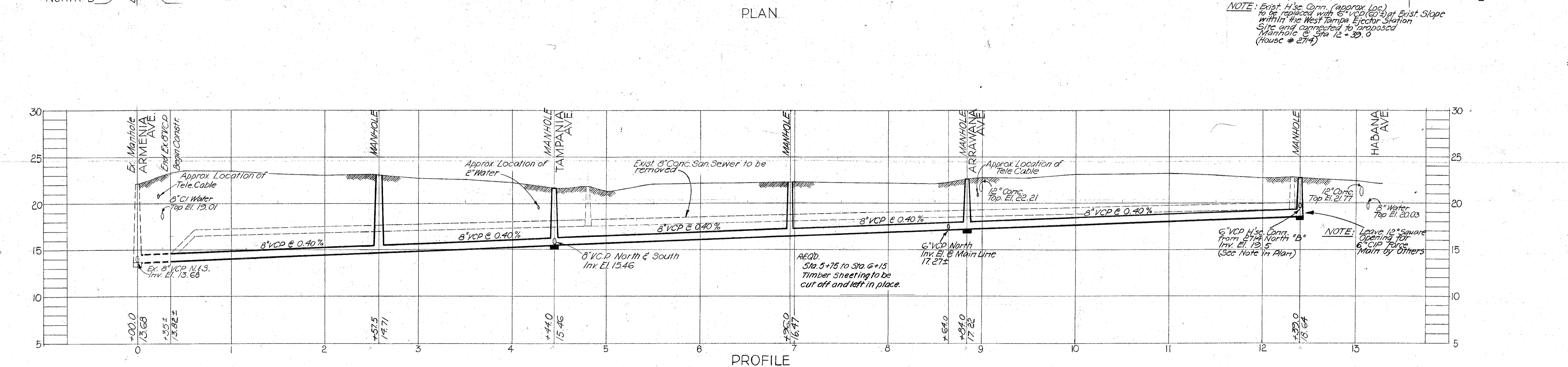
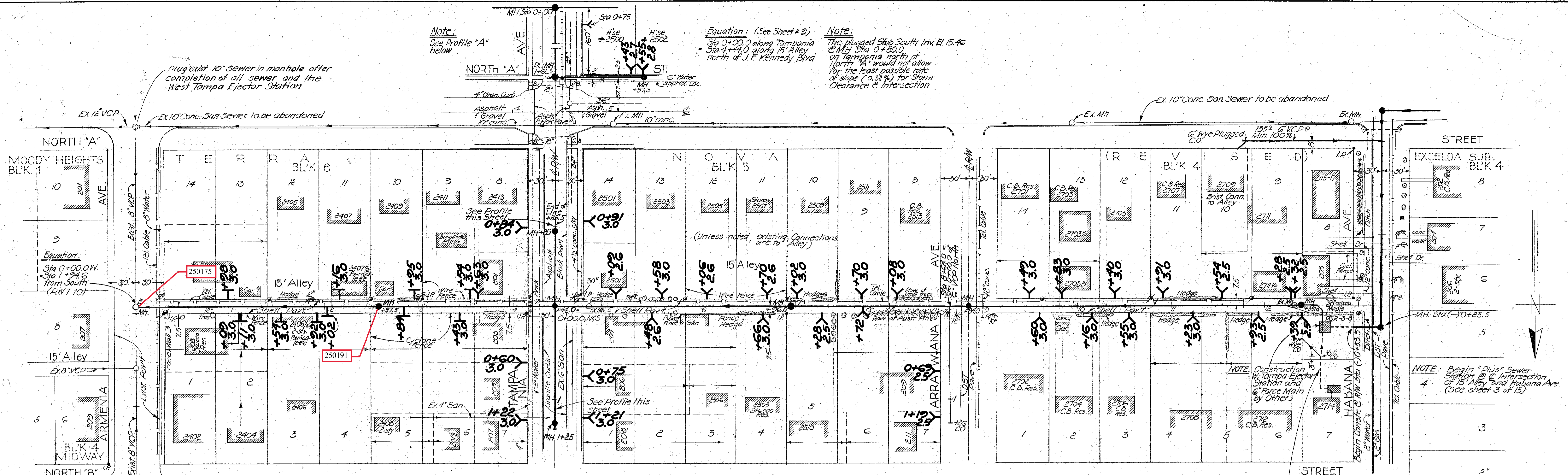
CITY OF TAMPA, FLORIDA
 THIRD SEWER REVENUE BOND PROGRAM
 SEWER IMPROVEMENTS

ALLEY N. OF MAIN - Armenia to Tampania
 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

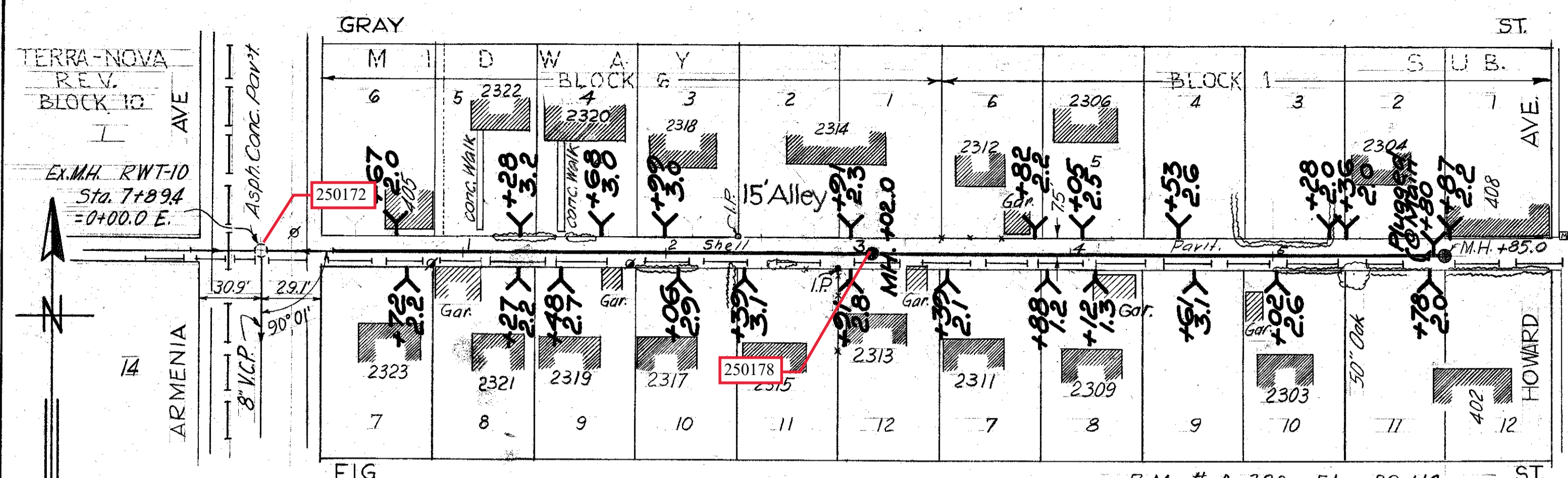
SHEET: 5 OF 9



AS-BUILT PLAN
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION RECORDS
 AS OF 12-14-64 PER **JK**

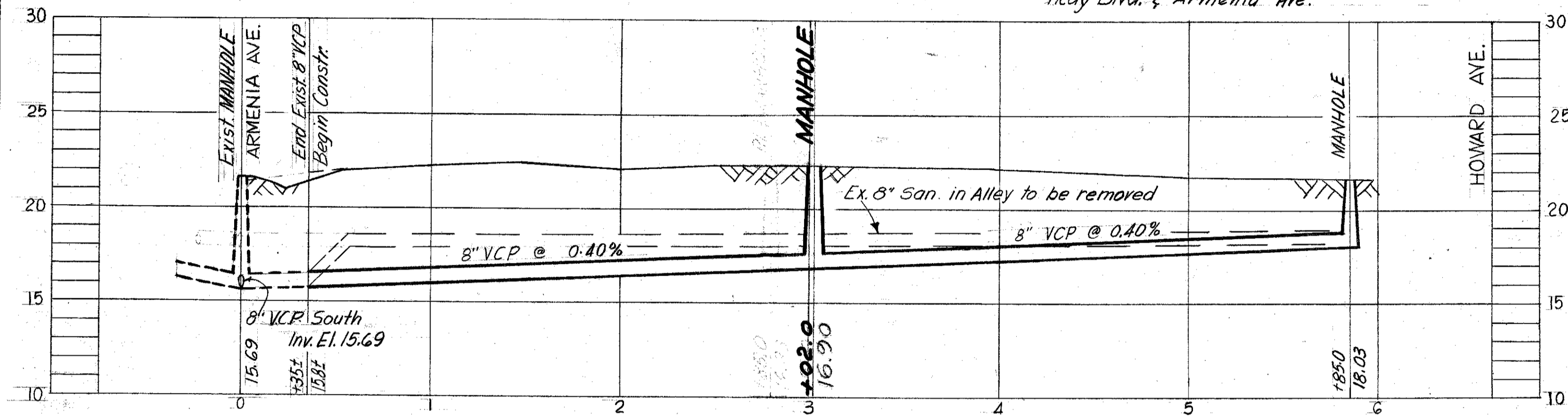
- Notes:**
- 1) City Benchmark A-308 used. Cut on sidewalk @ the corner of Masonic Lodge @ the southwest corner of the intersection of J.F. Kennedy Blvd. and Armenia Avenue. Elevation 22.10
 - 2) Houses shown on this Plan are Frame Buildings unless otherwise indicated
 - 3) These lines inside of lots indicate information received from Tax Assessor of Hillsborough County
 - 4) Sewers shown hereon were not included in 3rd Prog. report.

W.O. 1901	
CITY OF TAMPA, FLORIDA	
THIRD SEWER REVENUE BOND PROGRAM	
SEWER IMPROVEMENTS	
ALLEY N. OF NORTH 'A' ST. - Armenia Ave. to Habana Ave.	
TAMPANIA AVE. - Alley N. of North 'A' St., South 80.0'	
TAMPANIA AVE. - Alley N. of North 'A' St., North 125.0'	
DES: HK	RENEWAL & REPLACEMENT PROGRAM
DRN: HK	SHEET
CKD: CMT	2
SCALE: 1"=50'	PROJECT: 3-2 SUBDISTRICT: A-4
DATE: DEC. 1963	OF 15



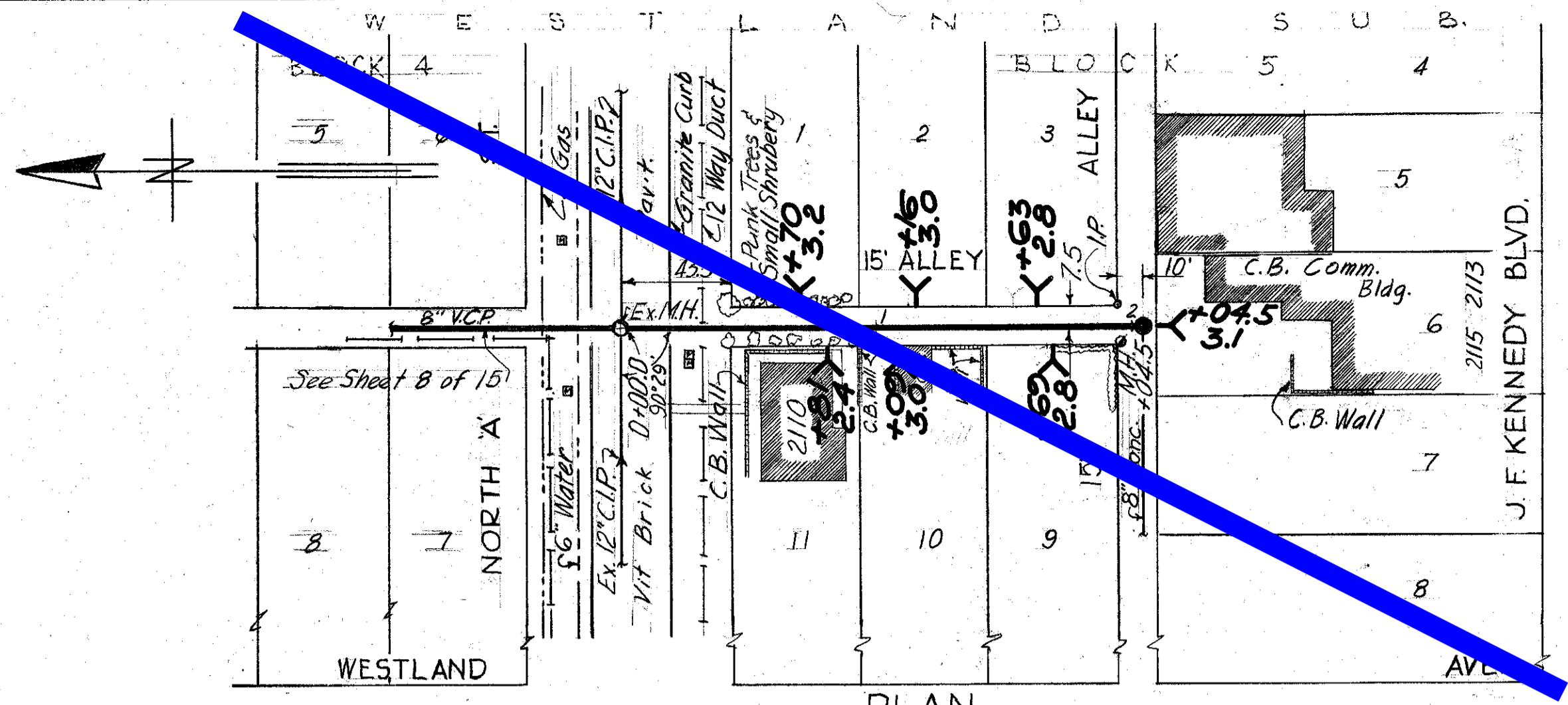
PLAN

B.M. # A-308, Elev. 22.110.
Cut on sidewalk @ corner of
Lodge @ S.W. corner of J.F. Ken-
nedy Blvd. & Armenia Ave.

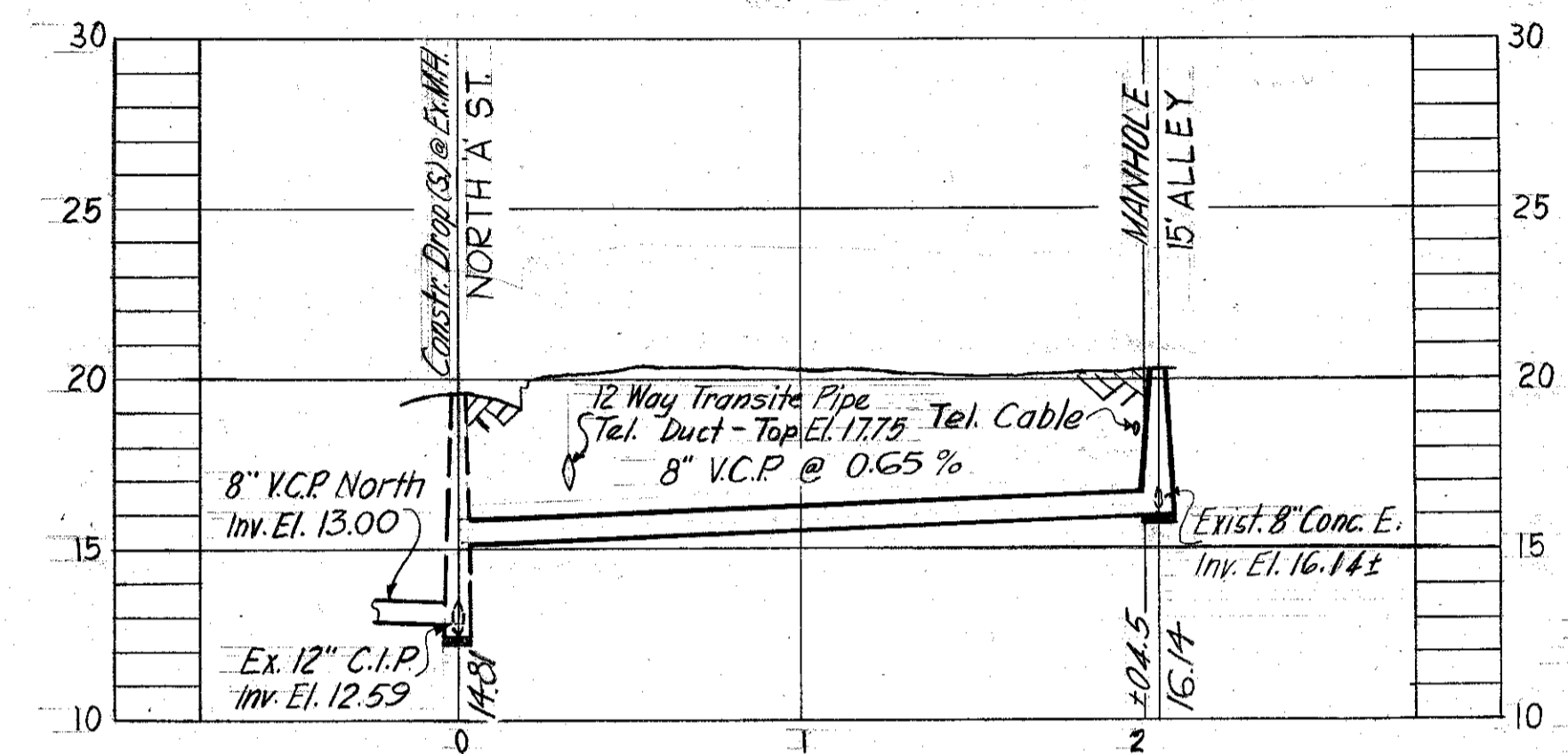


PROFILE

(13-L from Report)



PLAN

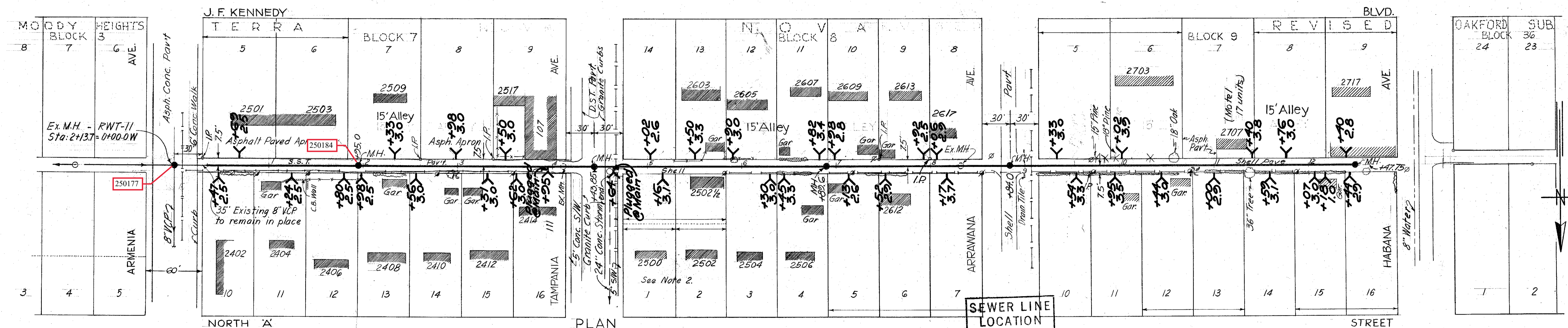


PROFILE

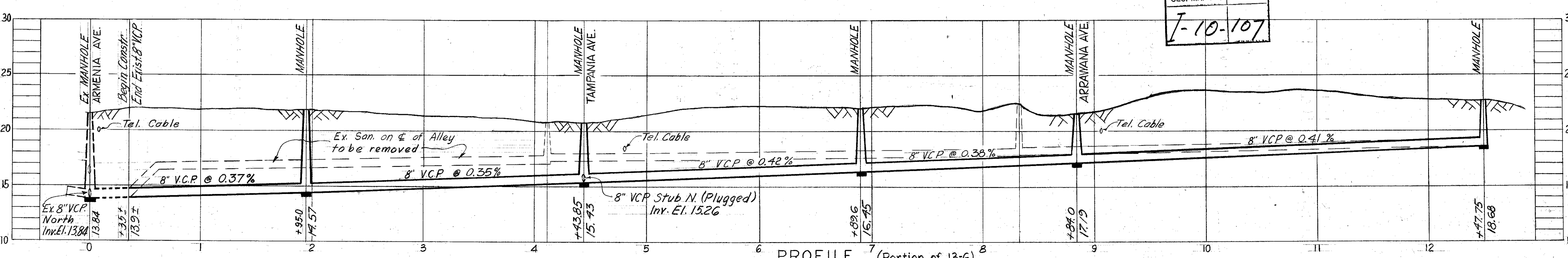
(13-M from Report)

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.



PLAN



PROFILE

(Portion of 13-G)

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

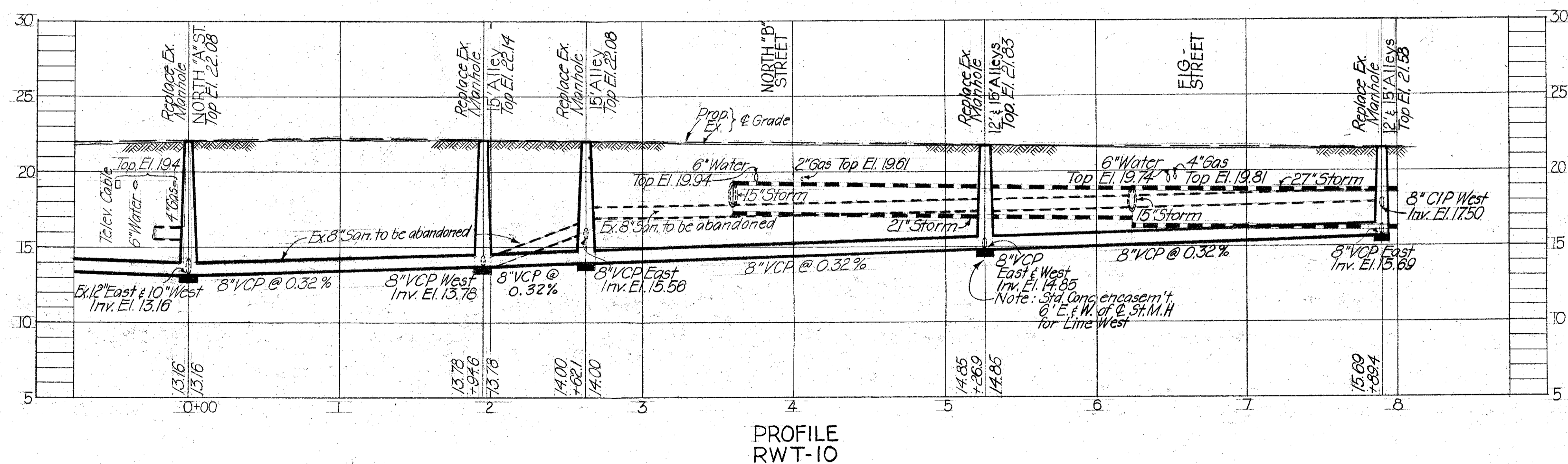
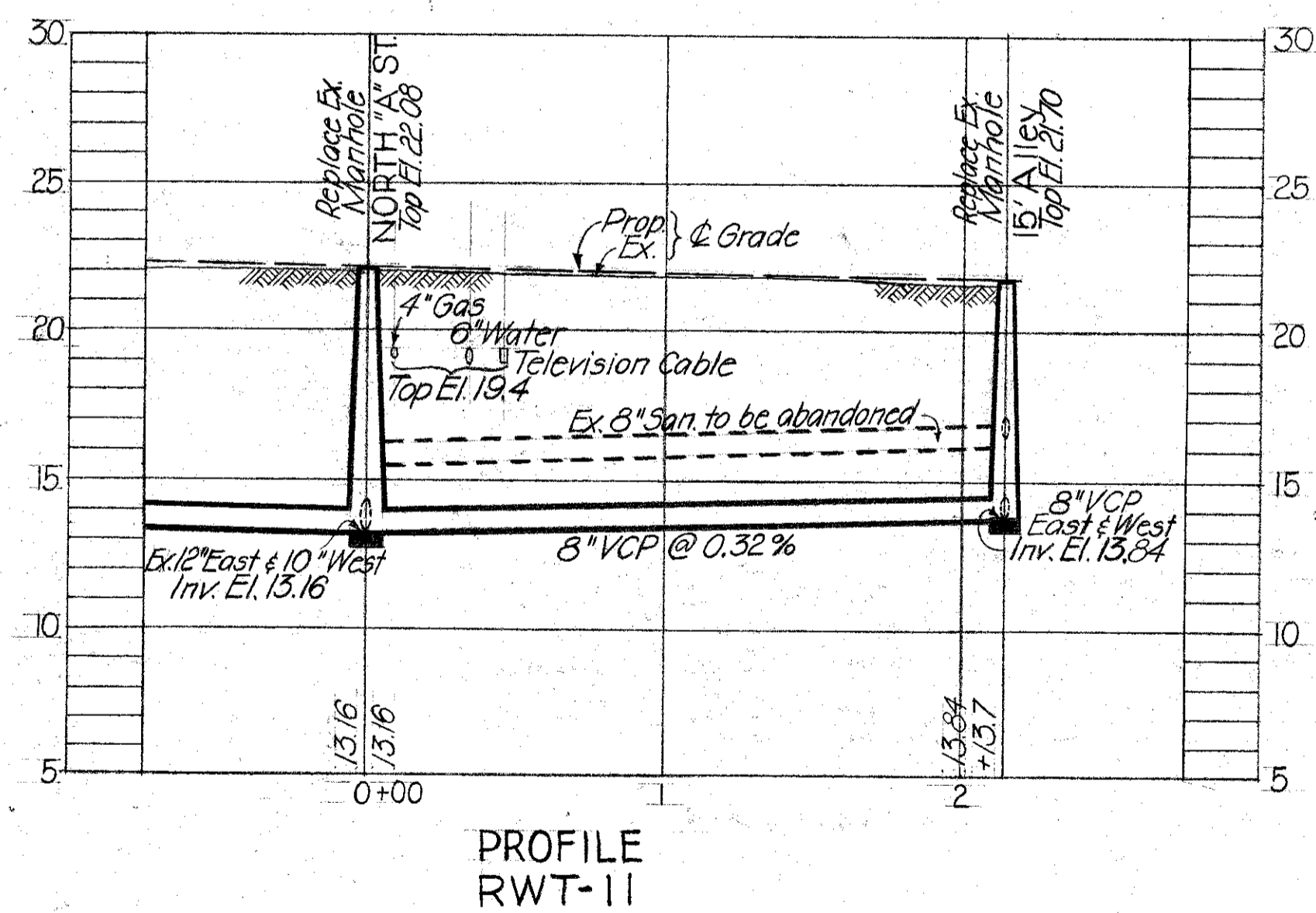
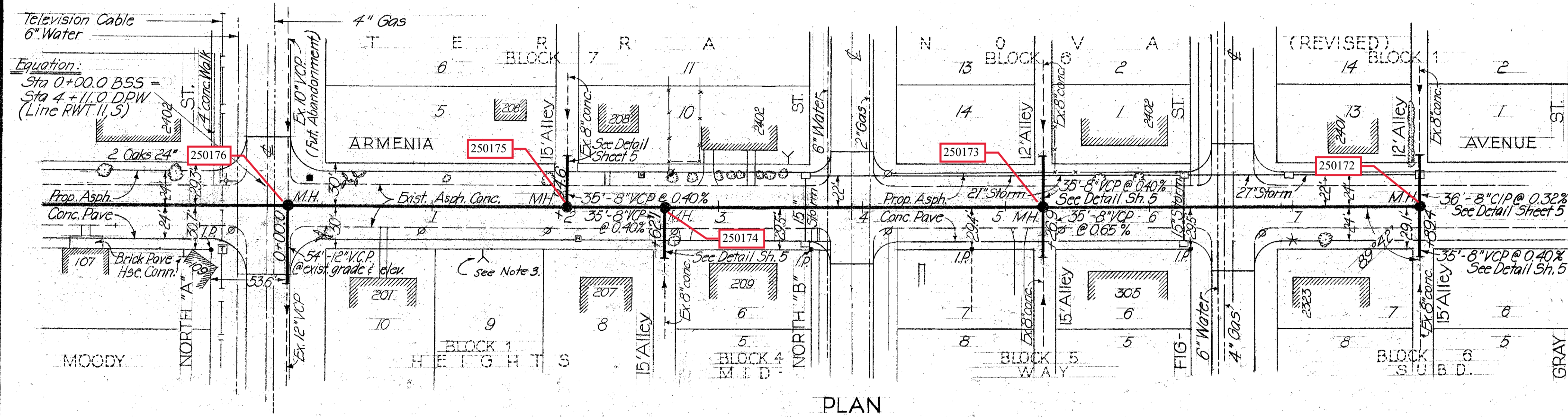
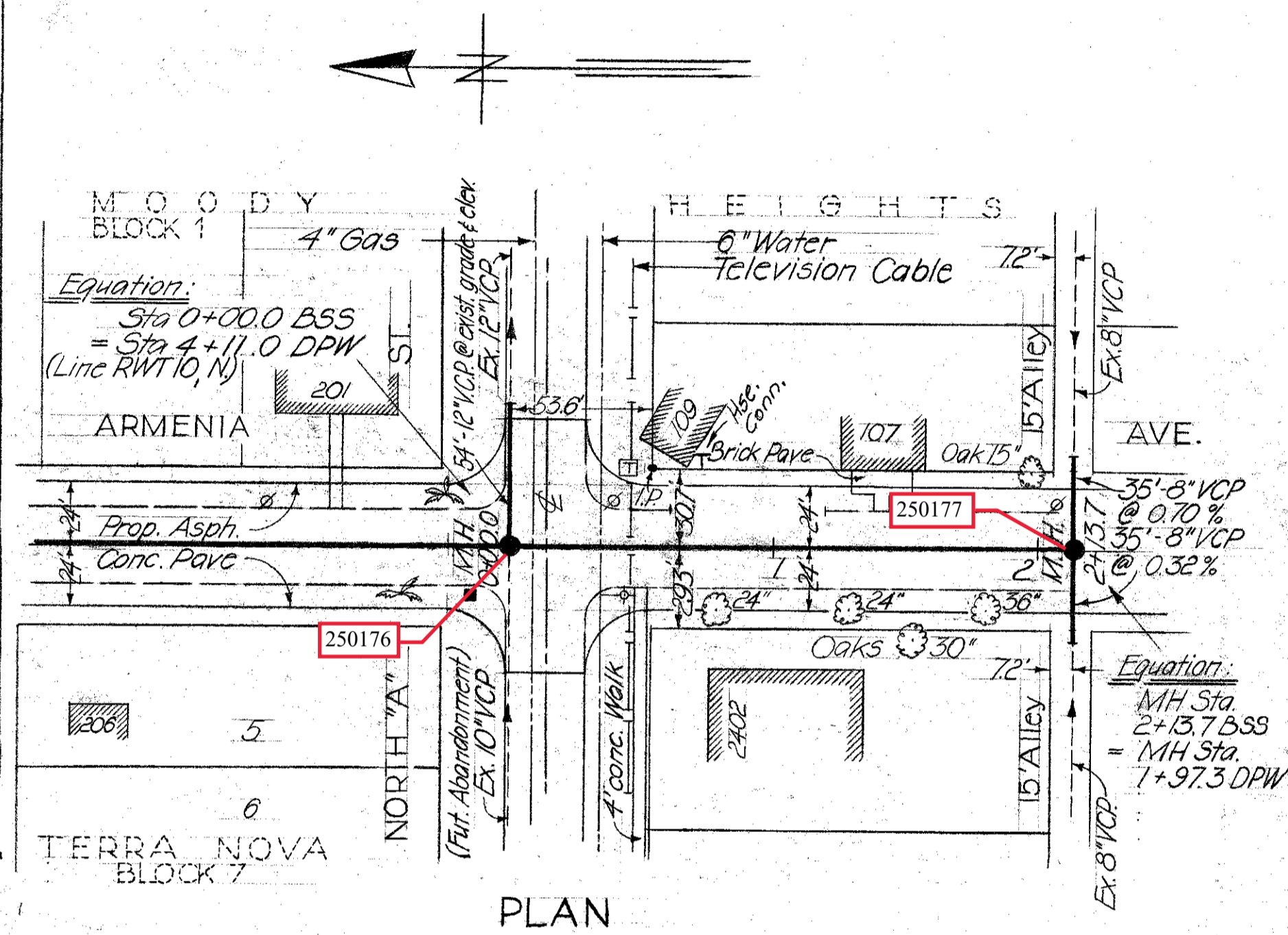
CITY OF TAMPA, FLORIDA
THIRD SEWER REVENUE BOND PROGRAM
SEWER IMPROVEMENTS

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



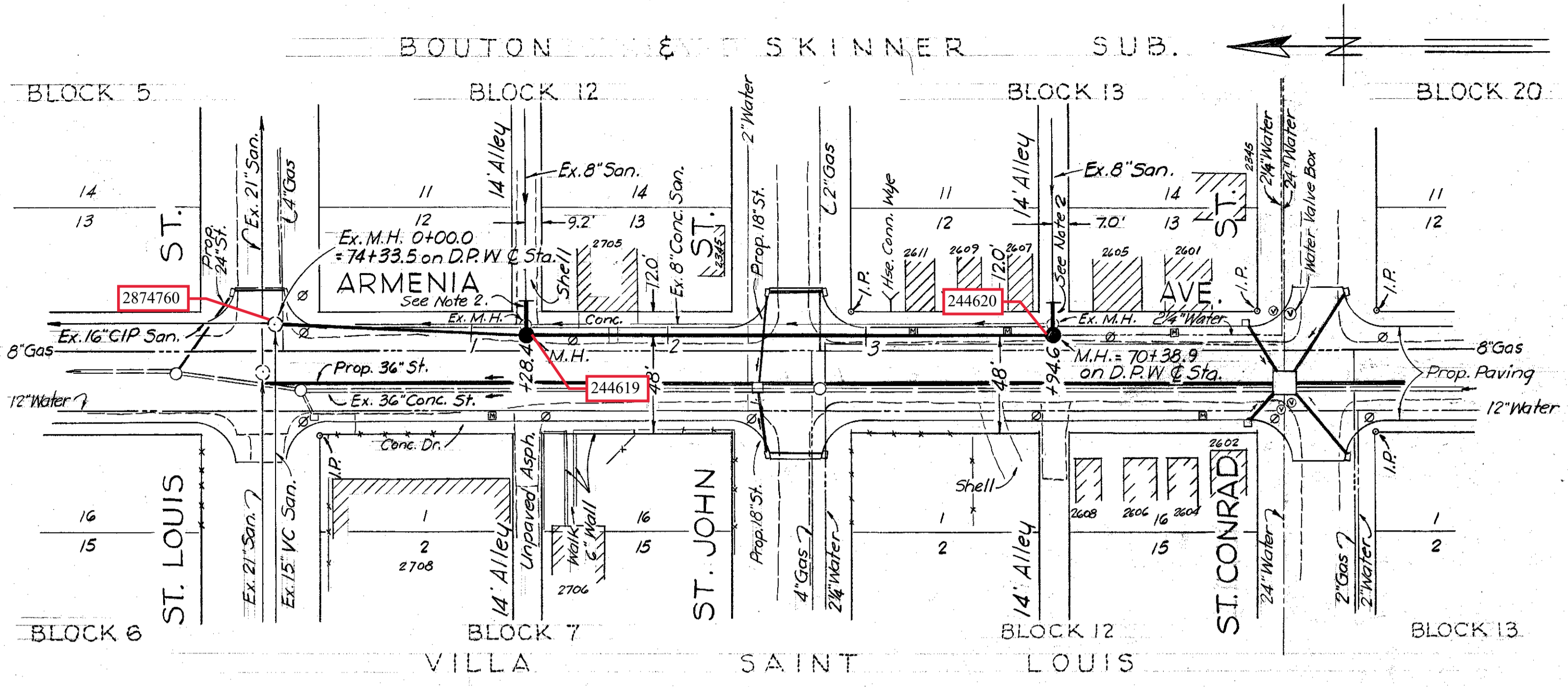
Notes:

- 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.

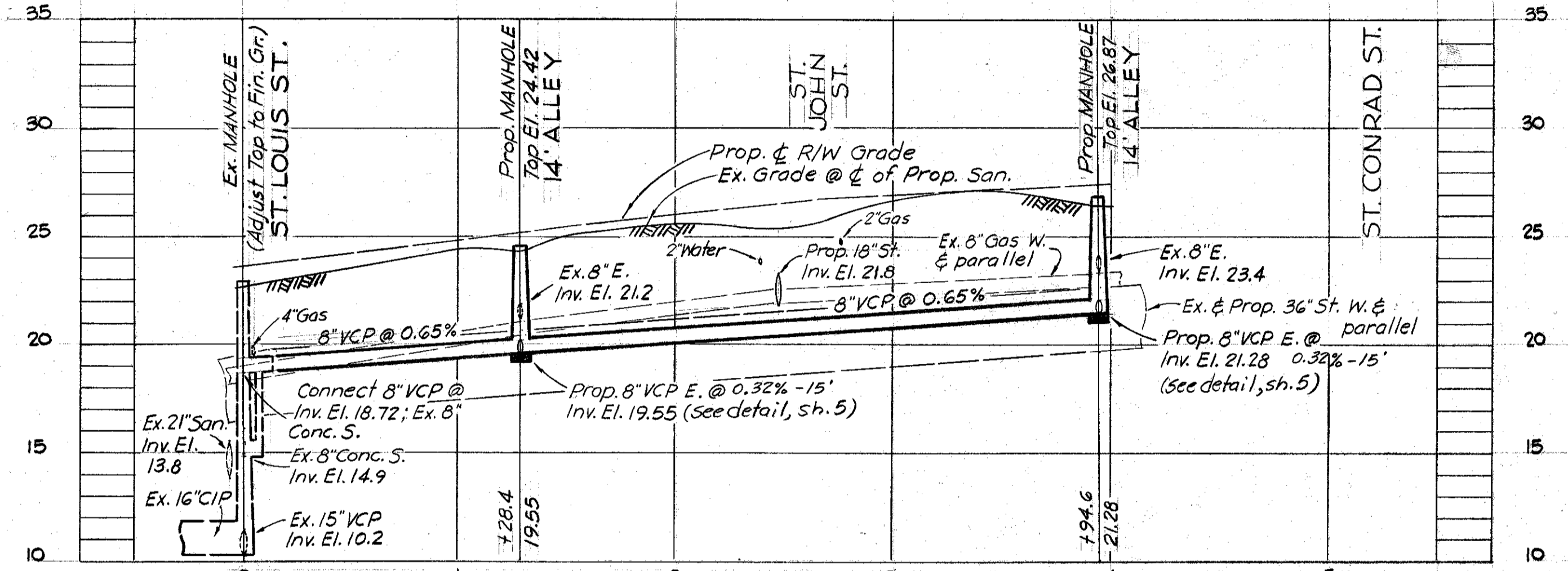
PLANS & PROFILES
LINES RWT-10, RWT-11

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

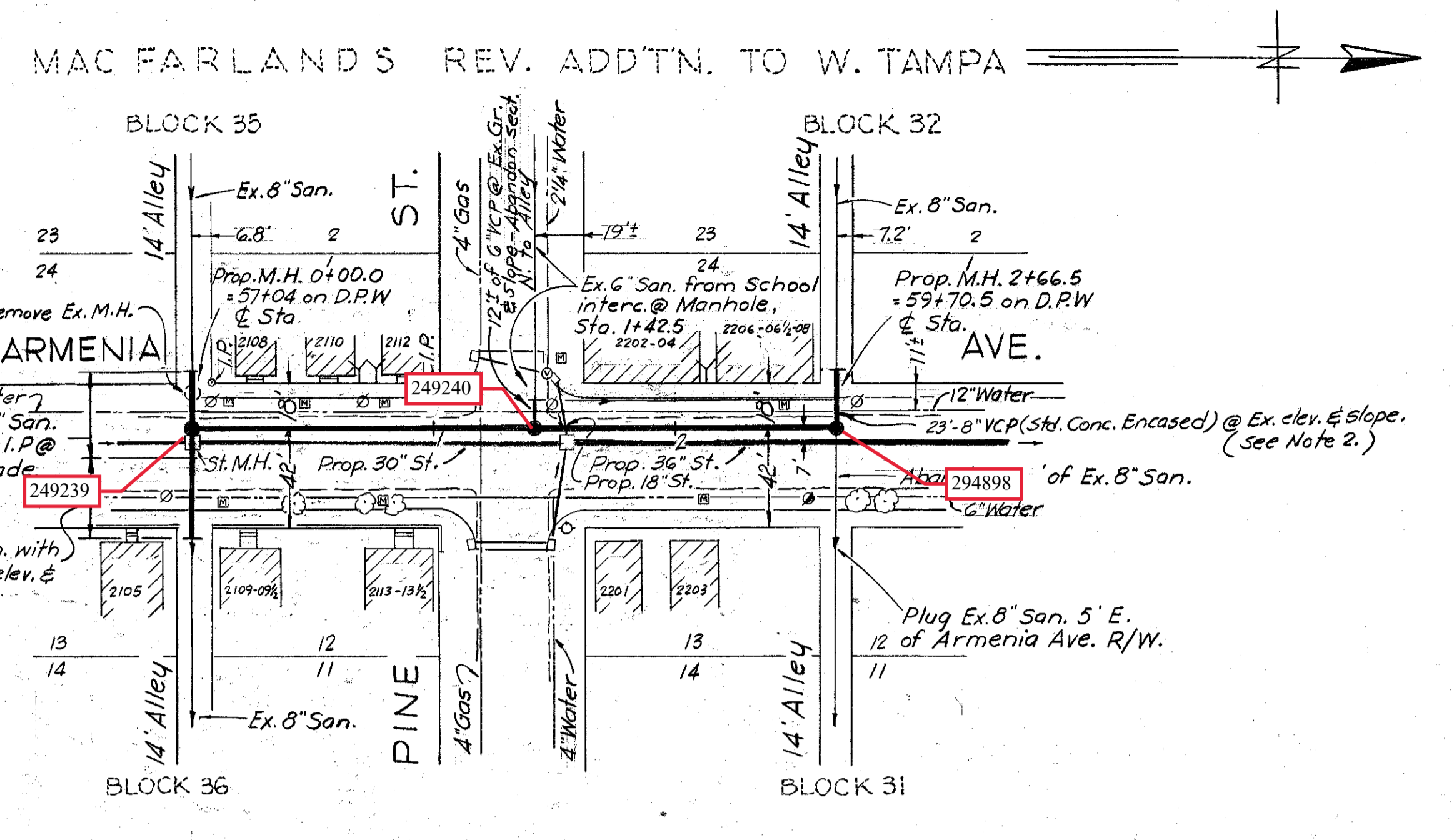
Sanitary Sewer Construction
Alley 5, of Gr. Central to Alley 5, of Fig.



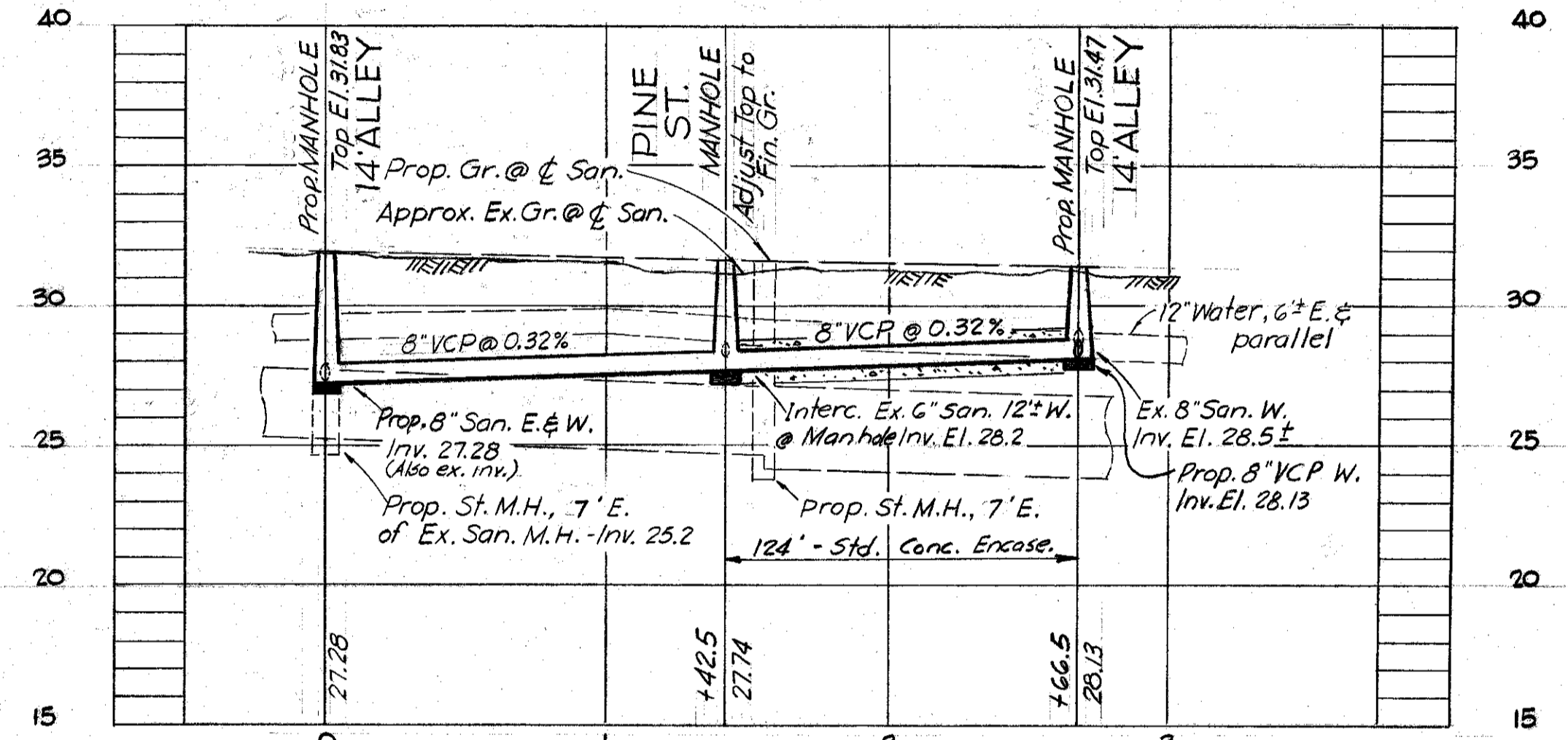
PLAN



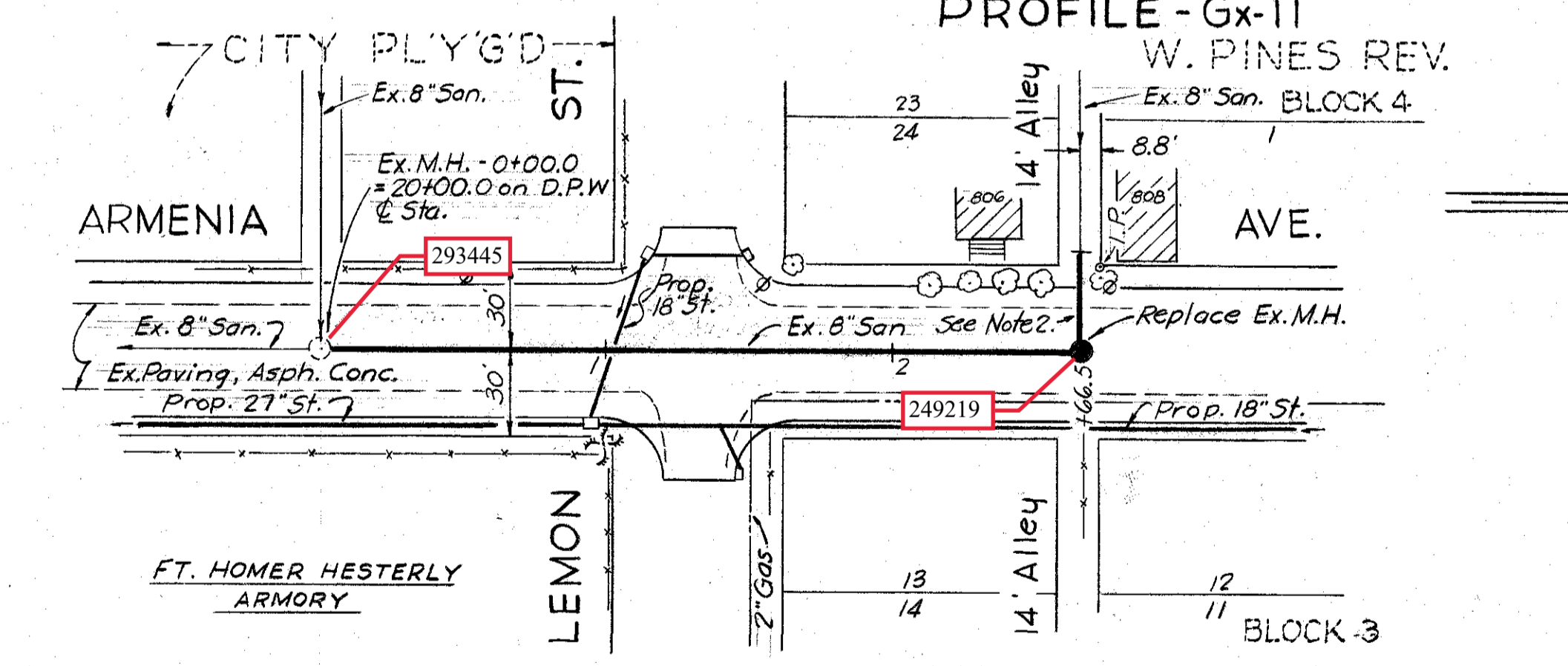
PROFILE - Gx-II



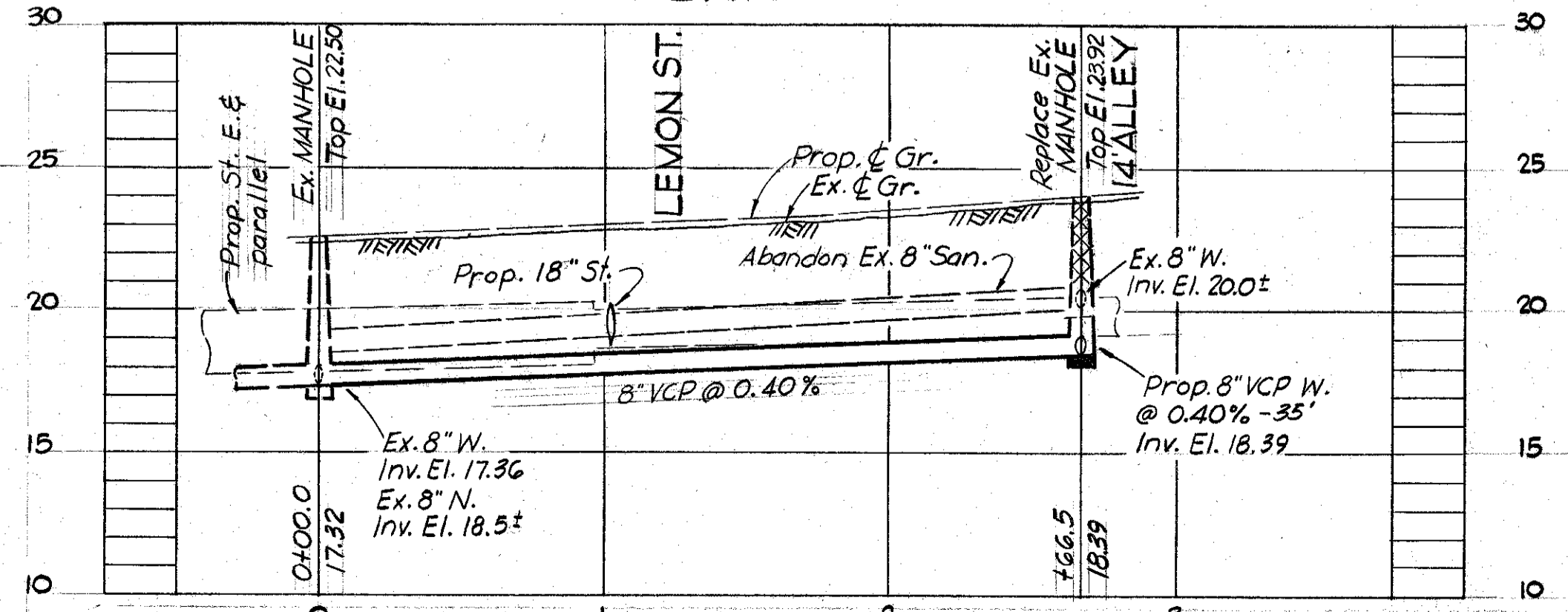
PLAN



PROFILE - RWT-15A



PLAN

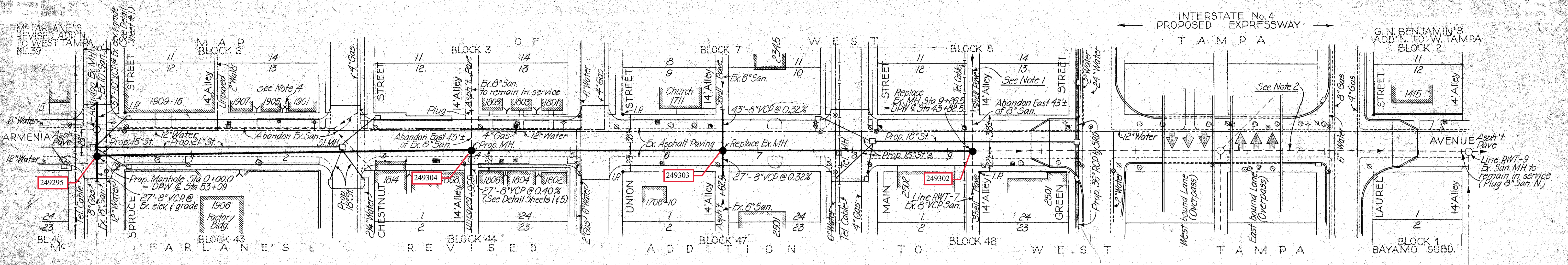


PROFILE - C-3B

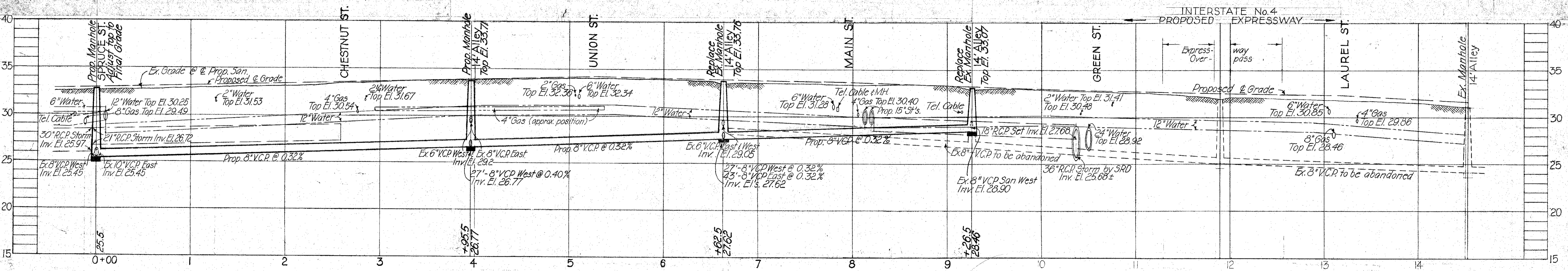
- Notes:
- 1) Paving Replacement for Line C-3B; paving disturbed by San. Sewer construction shall be replaced with 1/2" Asphaltic Cold Mix applied over 9" compacted lime rock base and 12" of stabilized subgrade. Top of lime rock shall match surface of existing paving.
 - 2) See "Connection of Prop. to 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 S. 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	SCALE: 1"=50' & 5' 8.4	SHEET 3 OF 6
---	---------------------------	--------------------



PLAN



PROFILE

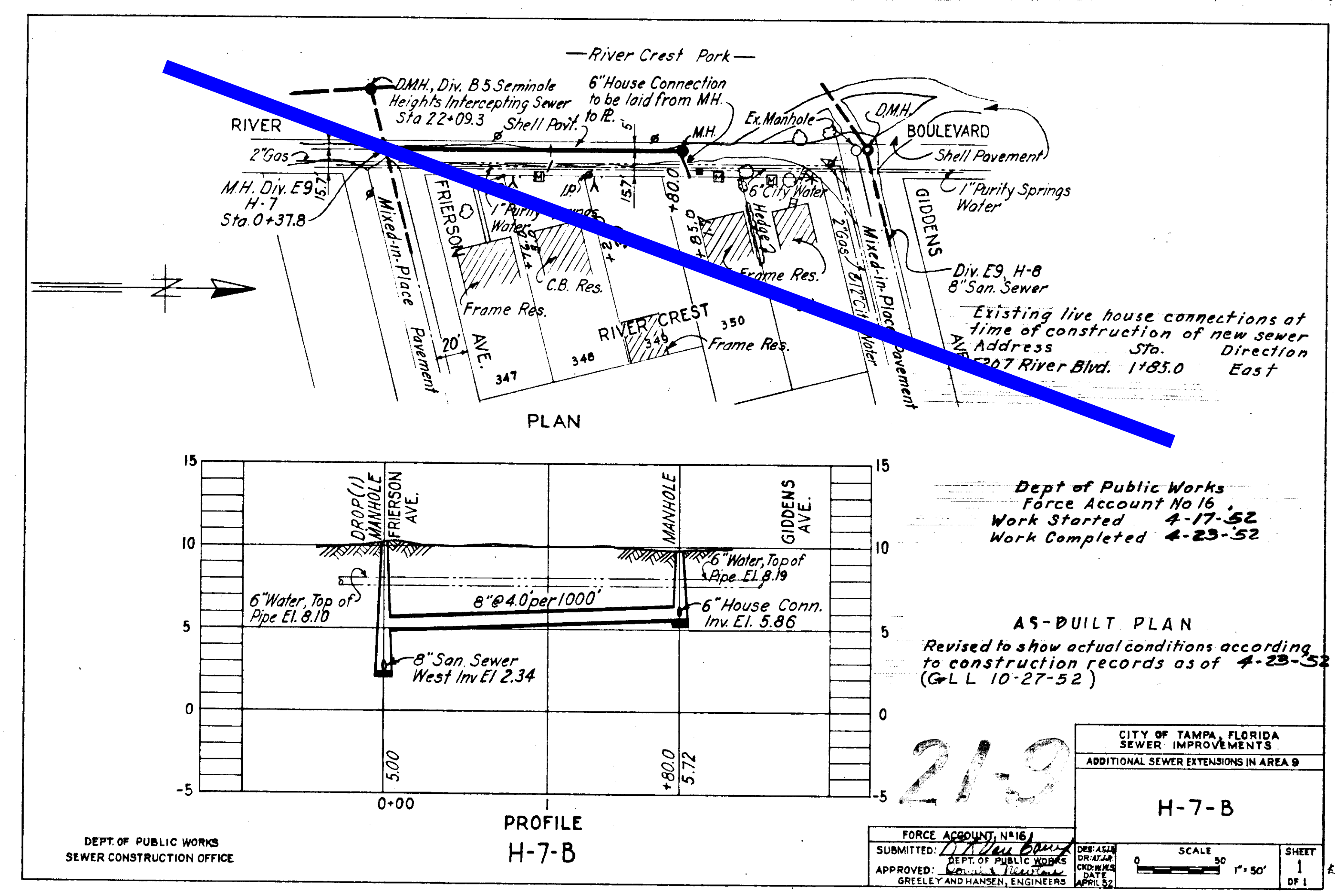
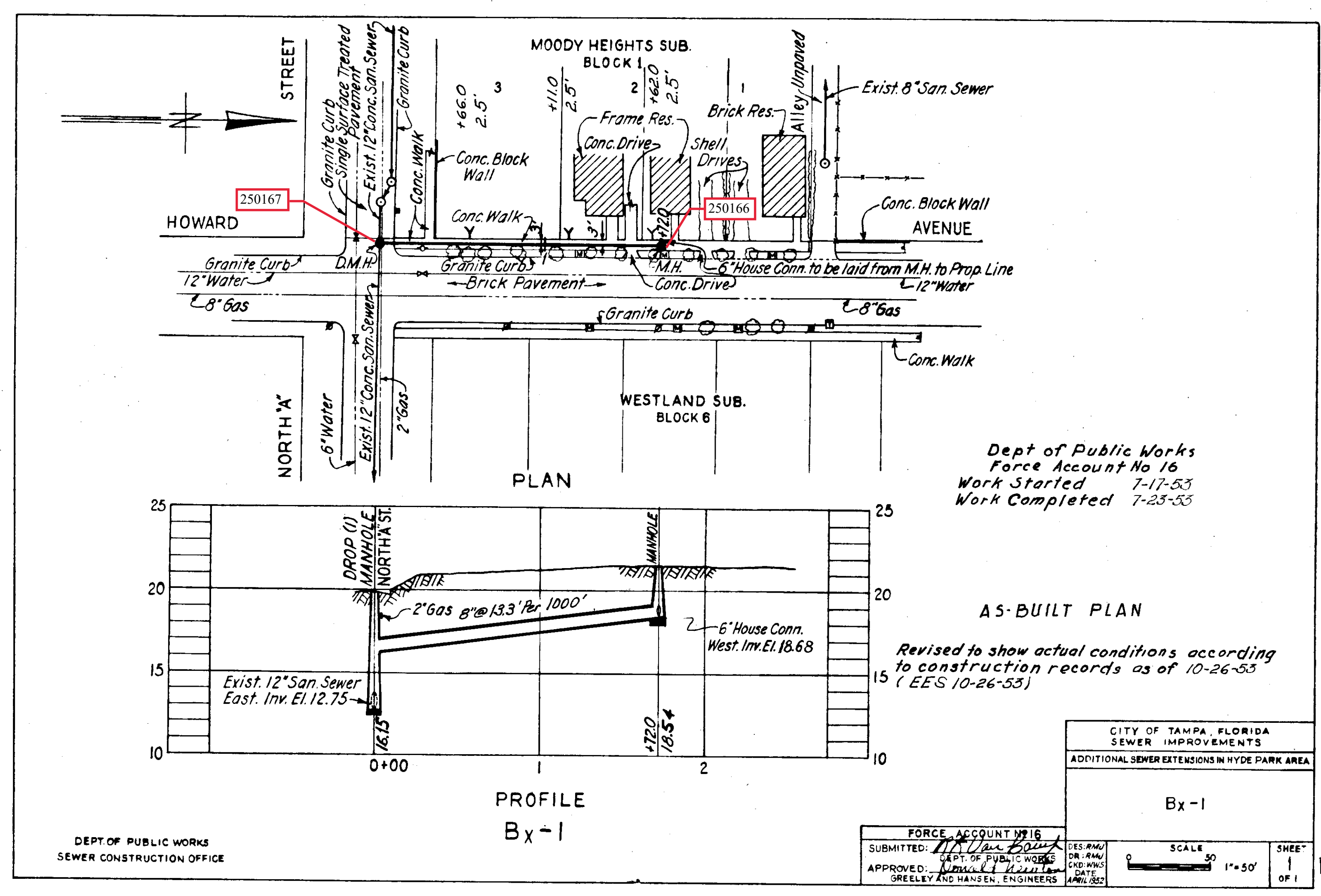
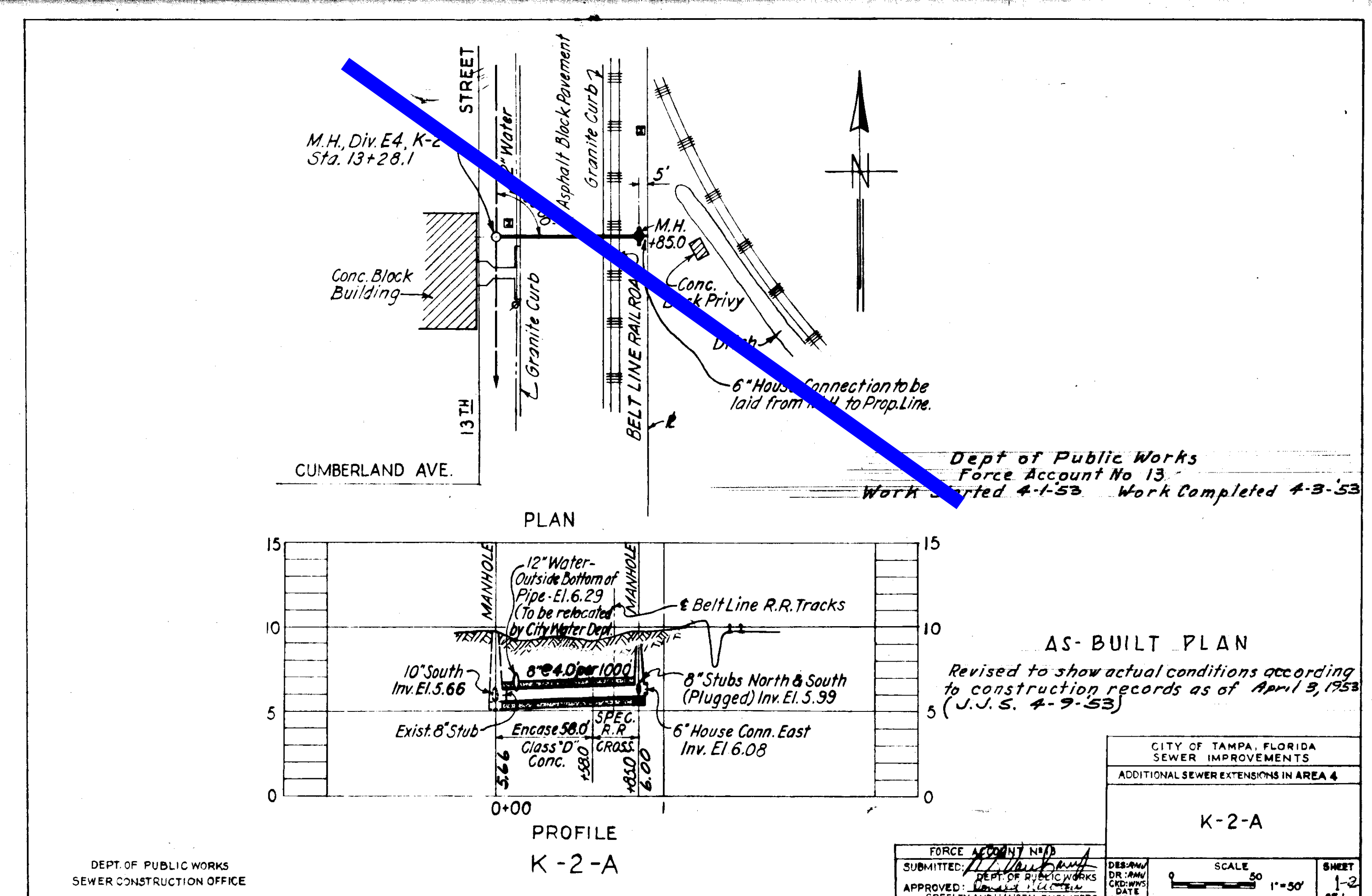
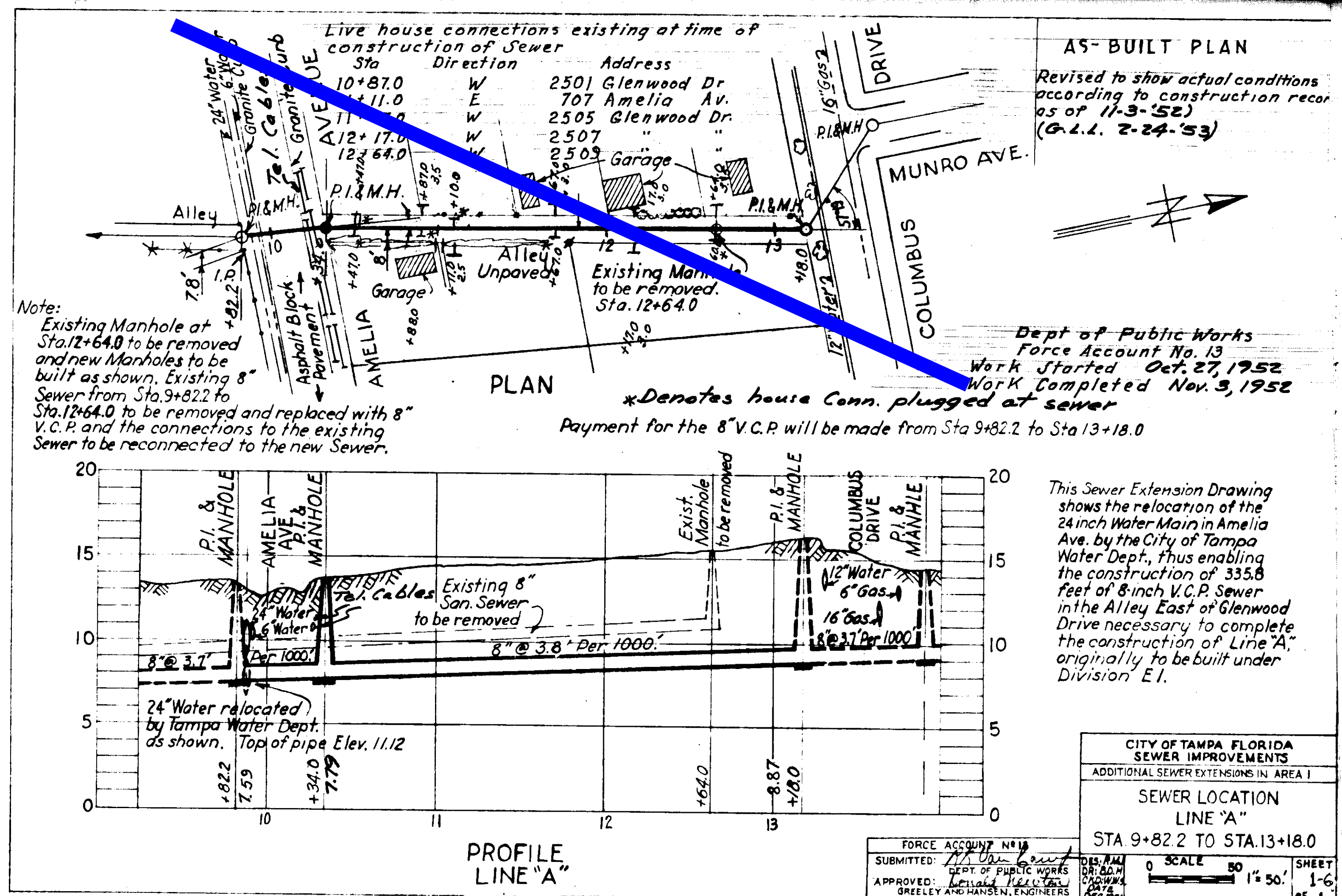
- Notes:
- 1) Line affluent from West to East San. Manhole @ Howard Avenue & Alley North of Green Street to be extended West 150' from a point 400' West of aforementioned Manhole @ slope to suit existing house connections and ground elevations. This temporary 6" VCP service connection to be constructed 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.

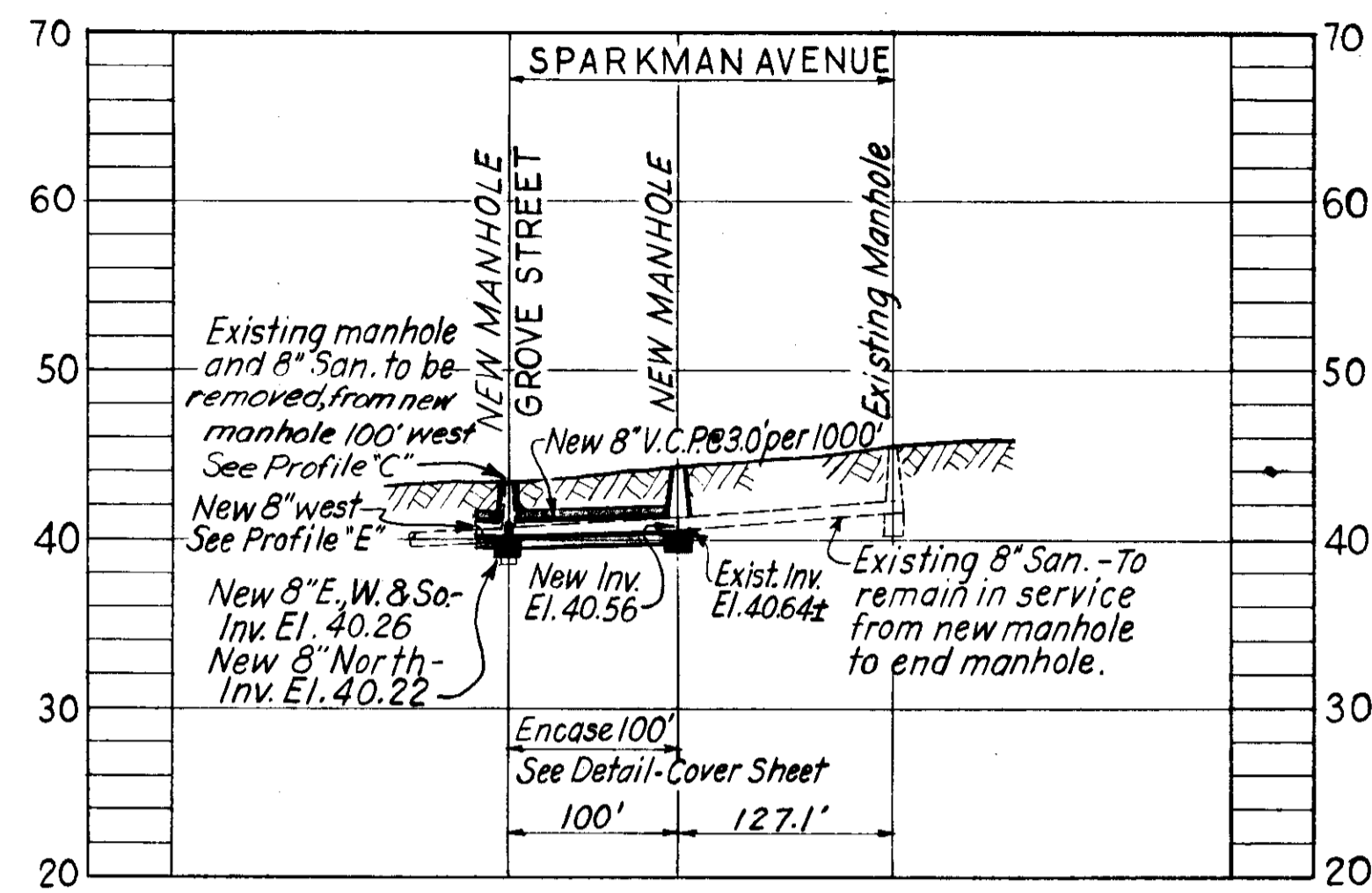
PLAN & PROFILE
LINE RWT-13
DIV. 2-A, CONT. NO. 3, PROJ. NO. 3 - SERIES D
Sanitary Sewer Construction
Alley N. of Green St. to Spruce St.

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

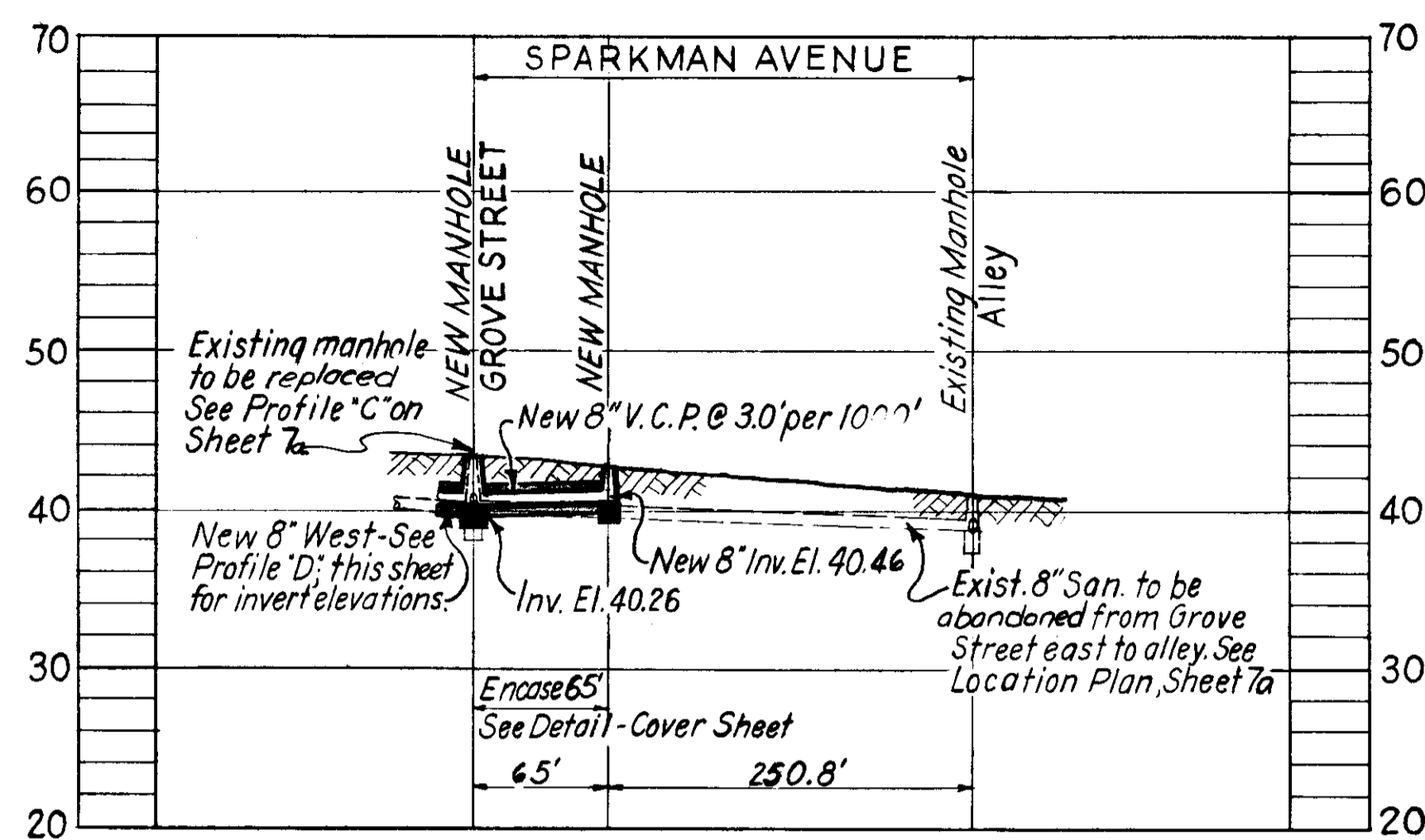
SCALE: 1"=50' & 5'

SHEET
4
OF 6

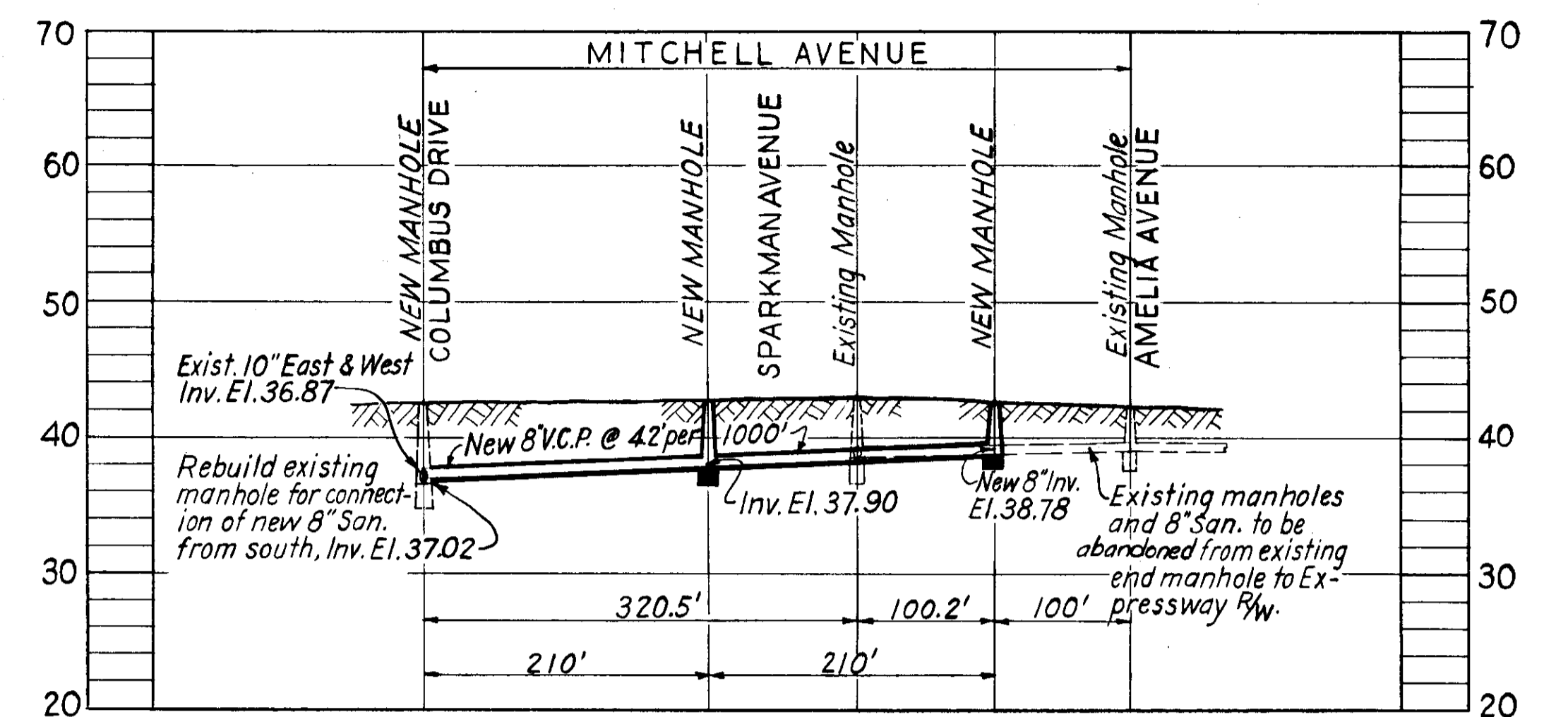




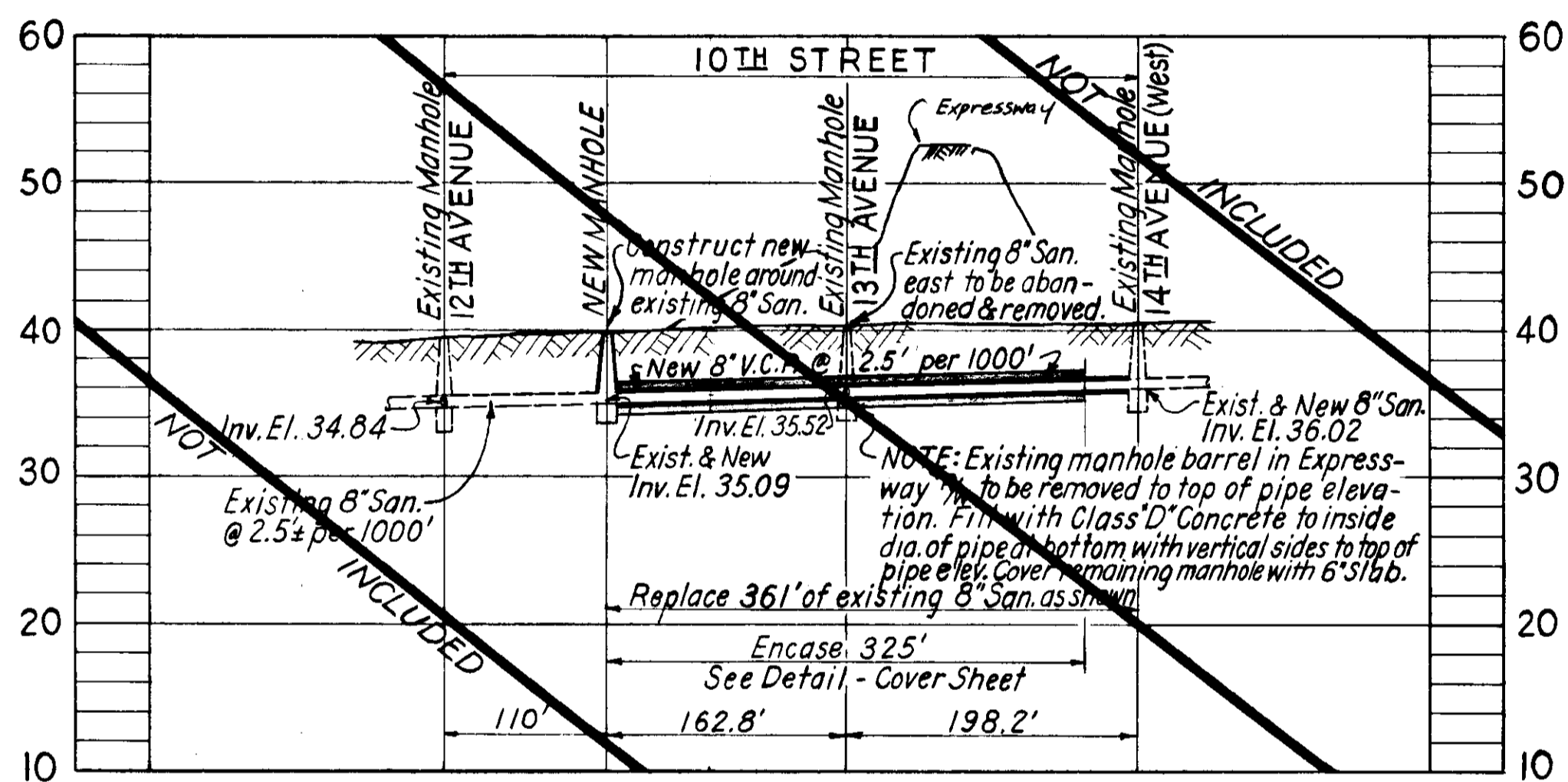
PROFILE "D"



PROFILE "E"



PROFILE "F"



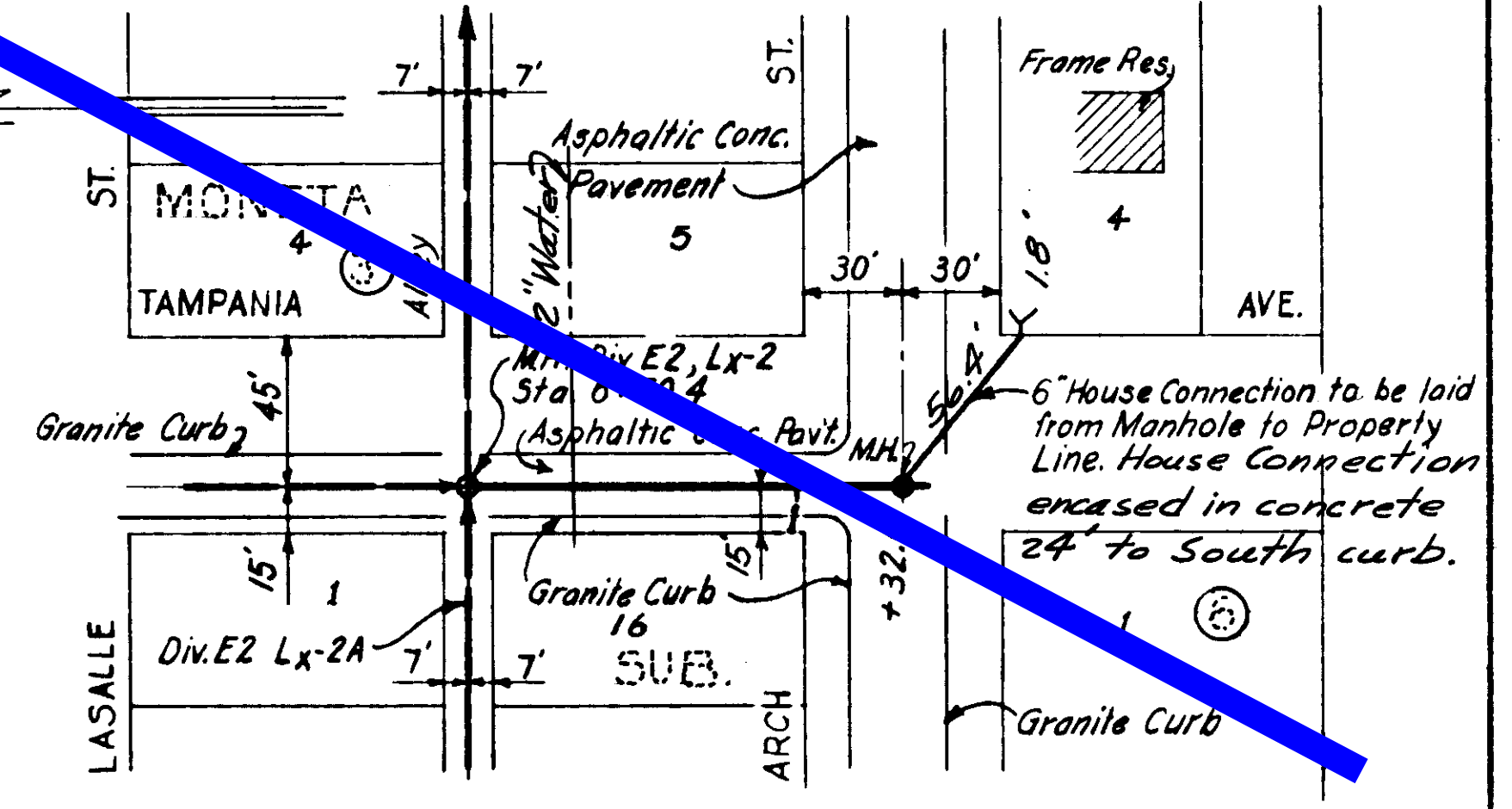
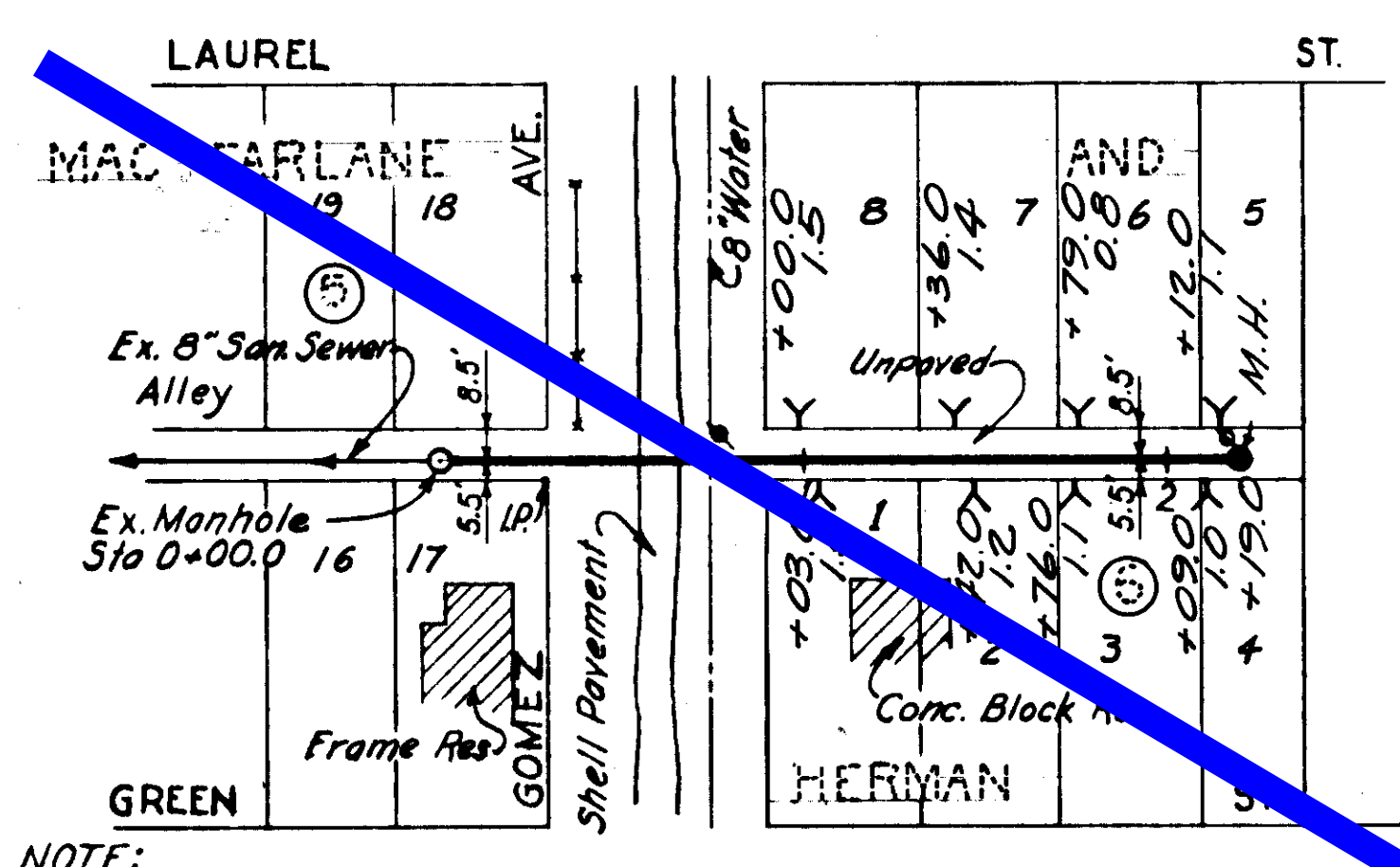
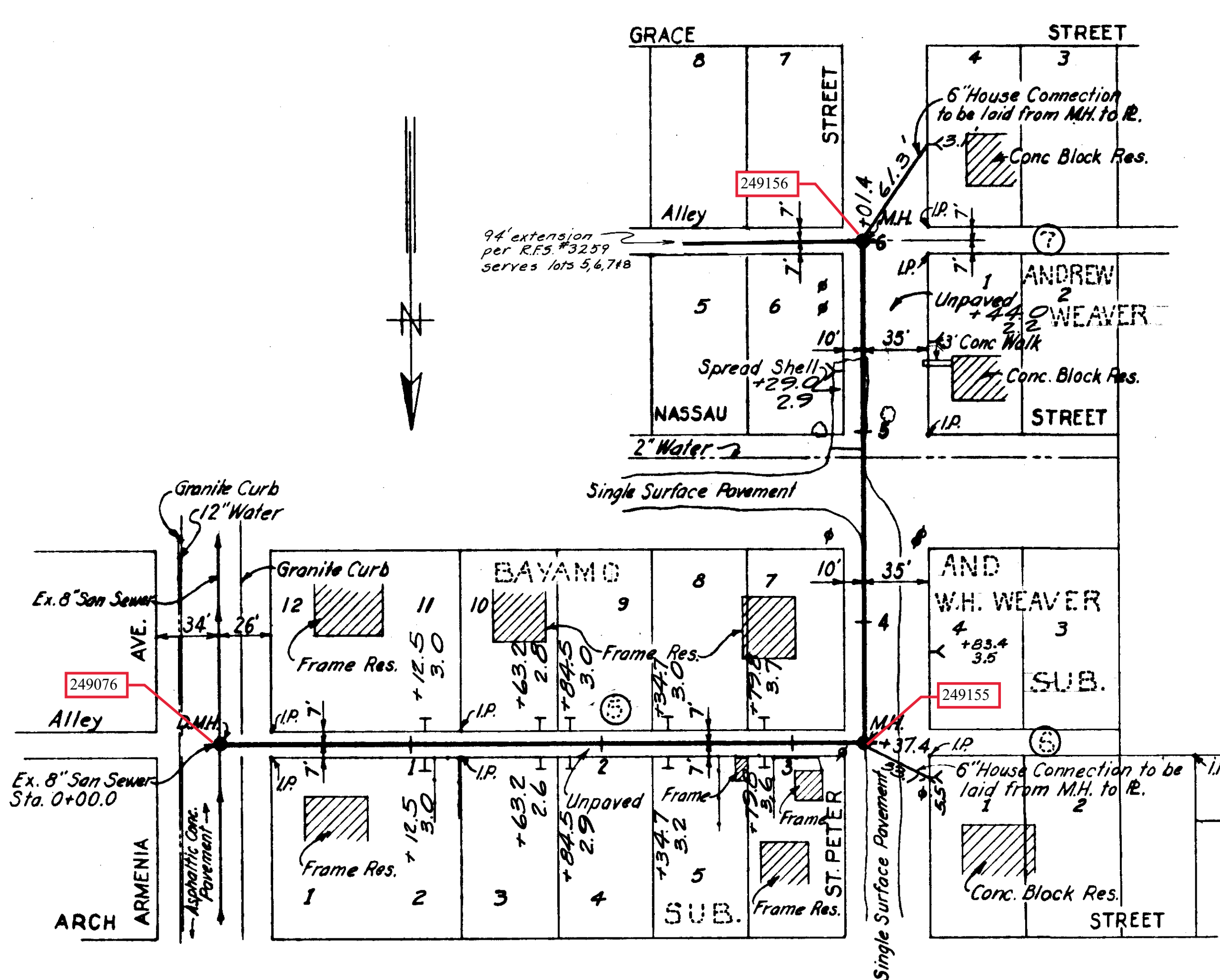
PROFILE "G"

- 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.

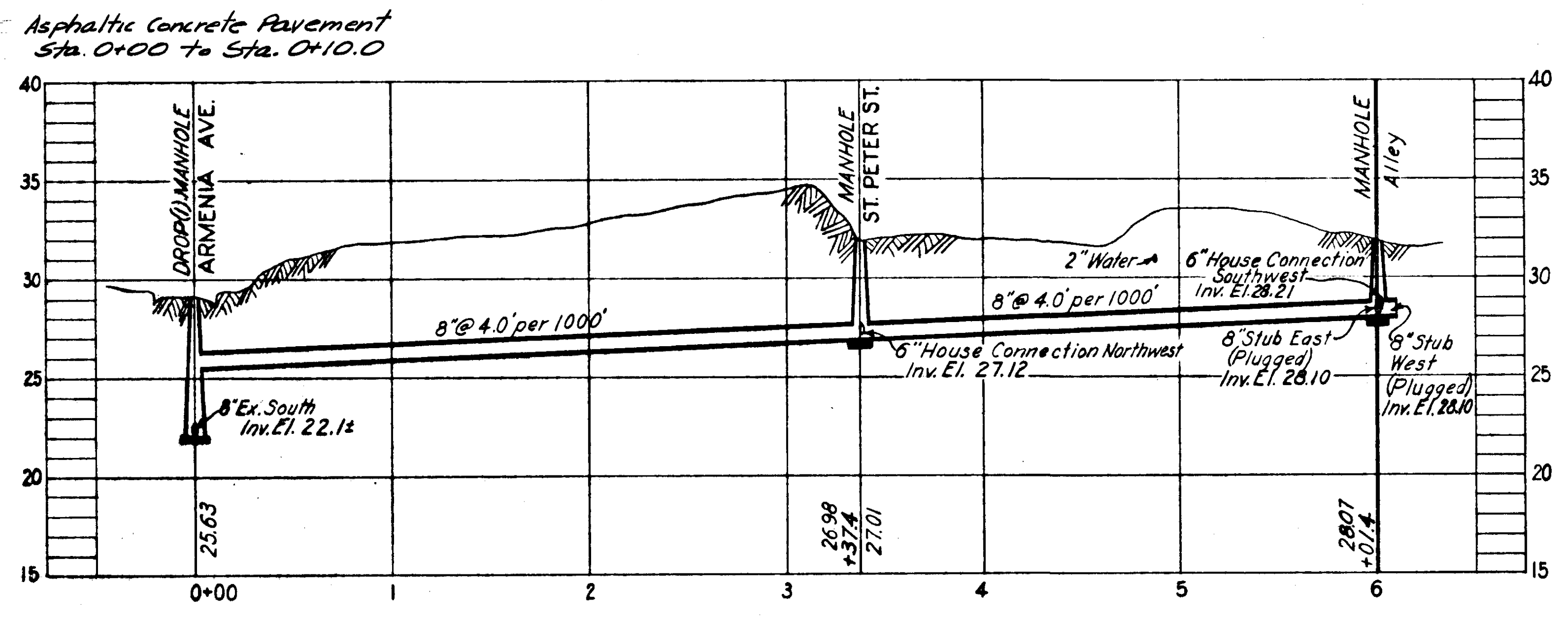
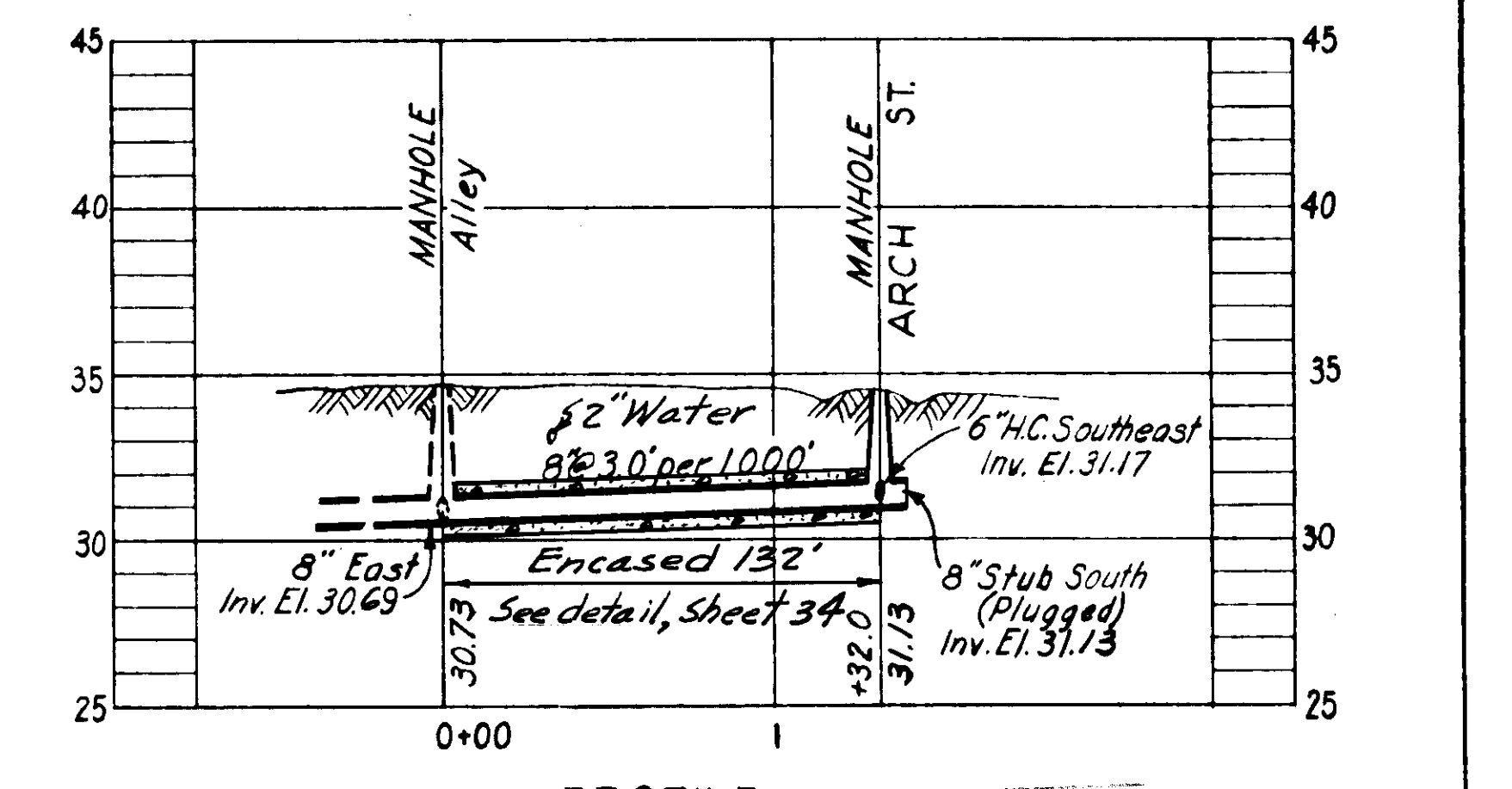
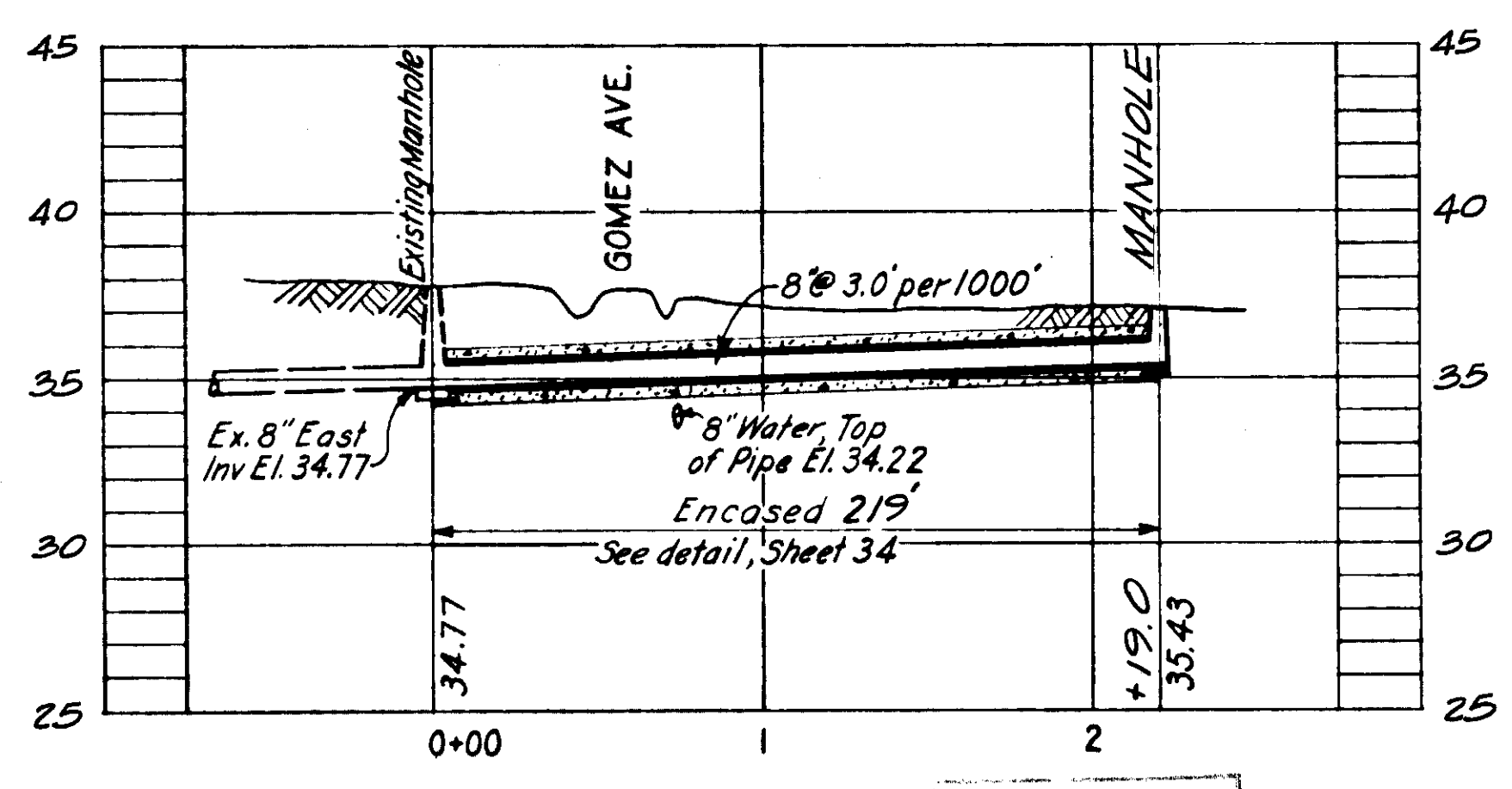
CITY OF TAMPA, FLORIDA BUREAU OF SANITARY SEWERS		
MODIFICATIONS DUE TO EXPRESSWAY SYSTEM		
OAK AVE. NORTH TO COLUMBUS DRIVE & EAST TO NEBRASKA AVE. IN CONJUNCTION WITH S.R.D. PROJECT NO 10190 - 3427		
DES: R.M.J. DR: R.M.J. CKD: C.M.T. DATE Nov., 1962	SCALES LOCATION PLAN: 1" = 200' PROFILES: Horiz: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



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

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

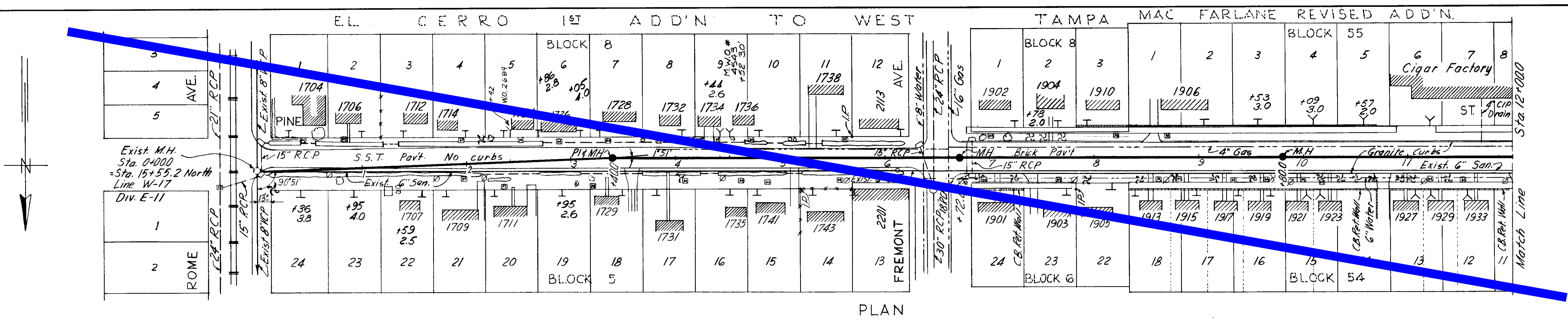
SEWER LINE LOCATION
SEC. MAP No. LINE No.
H-10-63

See file No 22-18

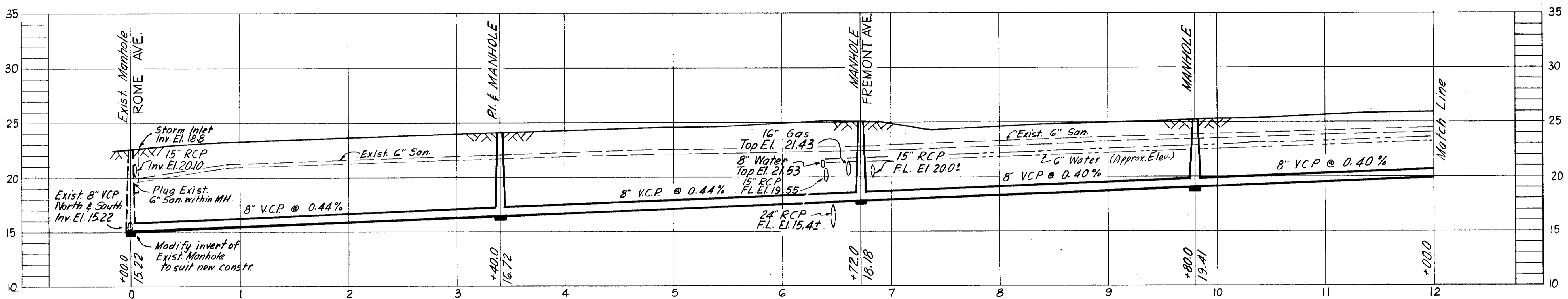
DEPT. OF PUBLIC WORKS
SEWER CONSTRUCTION OFFICE

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

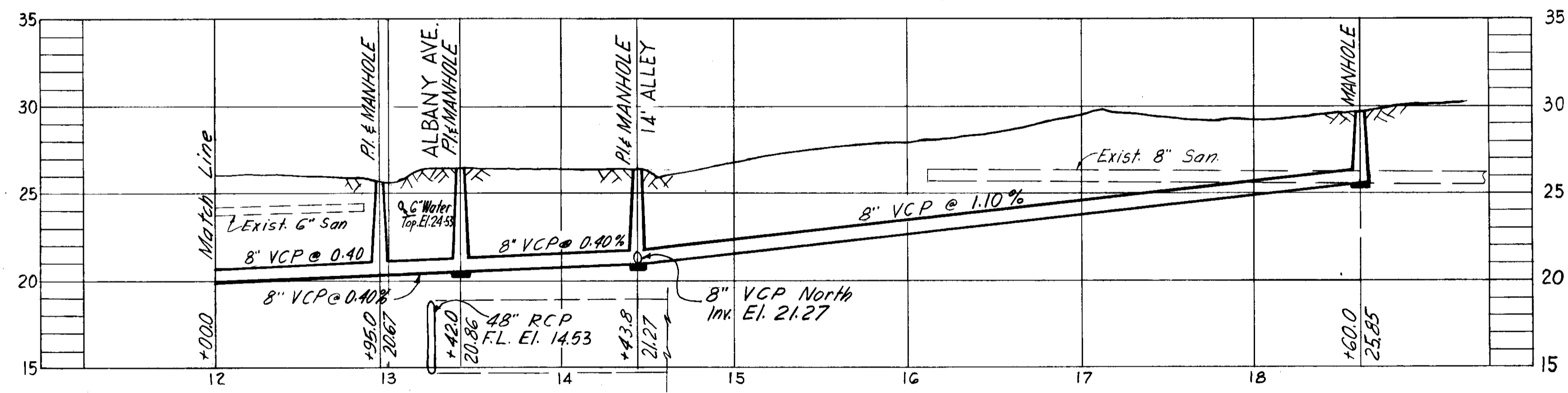
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
ADDITIONAL SEWER EXTENSIONS IN AREA 2
Lx-2-B, Lx-5, & Lx-7
DES: J.W.H.
DR: A.T.J.K.
CKD: W.W.S.
DATE DEC. 1951
SCALE 1" = 50'
SHEET 13 OF 35



PLAN



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

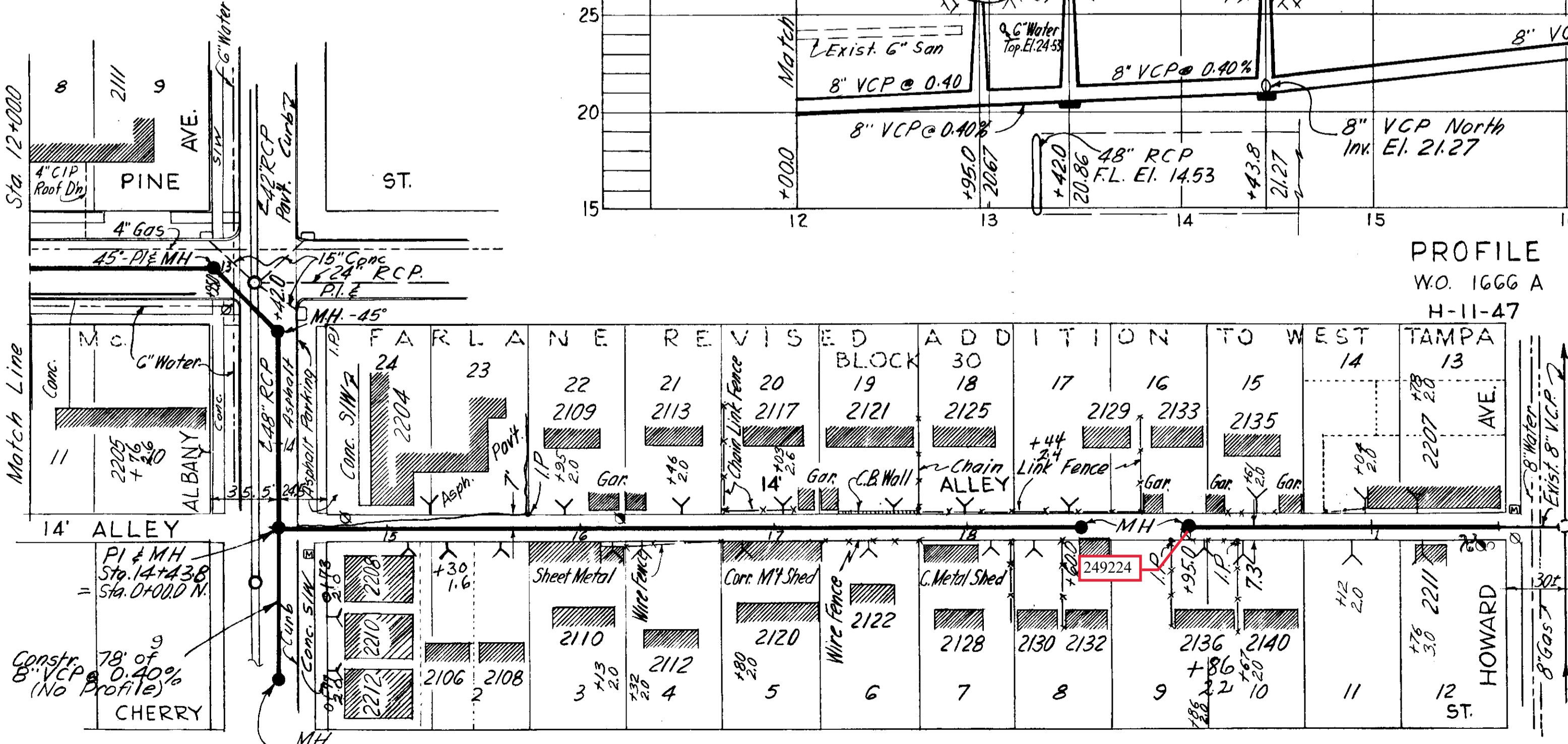


PROFILE
W.O. 1666 A
H-11-47

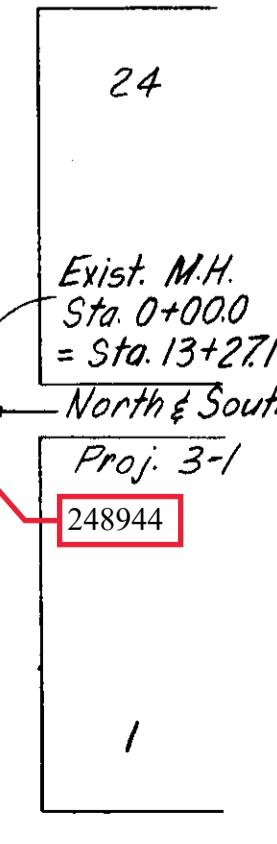
- NOTES:
- Exist. & new house connections shall be replaced from main sewer to R/W line with 6" V.C.P. @ minimum 1% Slope.
 - Datum: T.B.M. Elev. 26.375 Top of curb @ N.E. corner of Alley N. of Pine St. & Albany Ave.

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

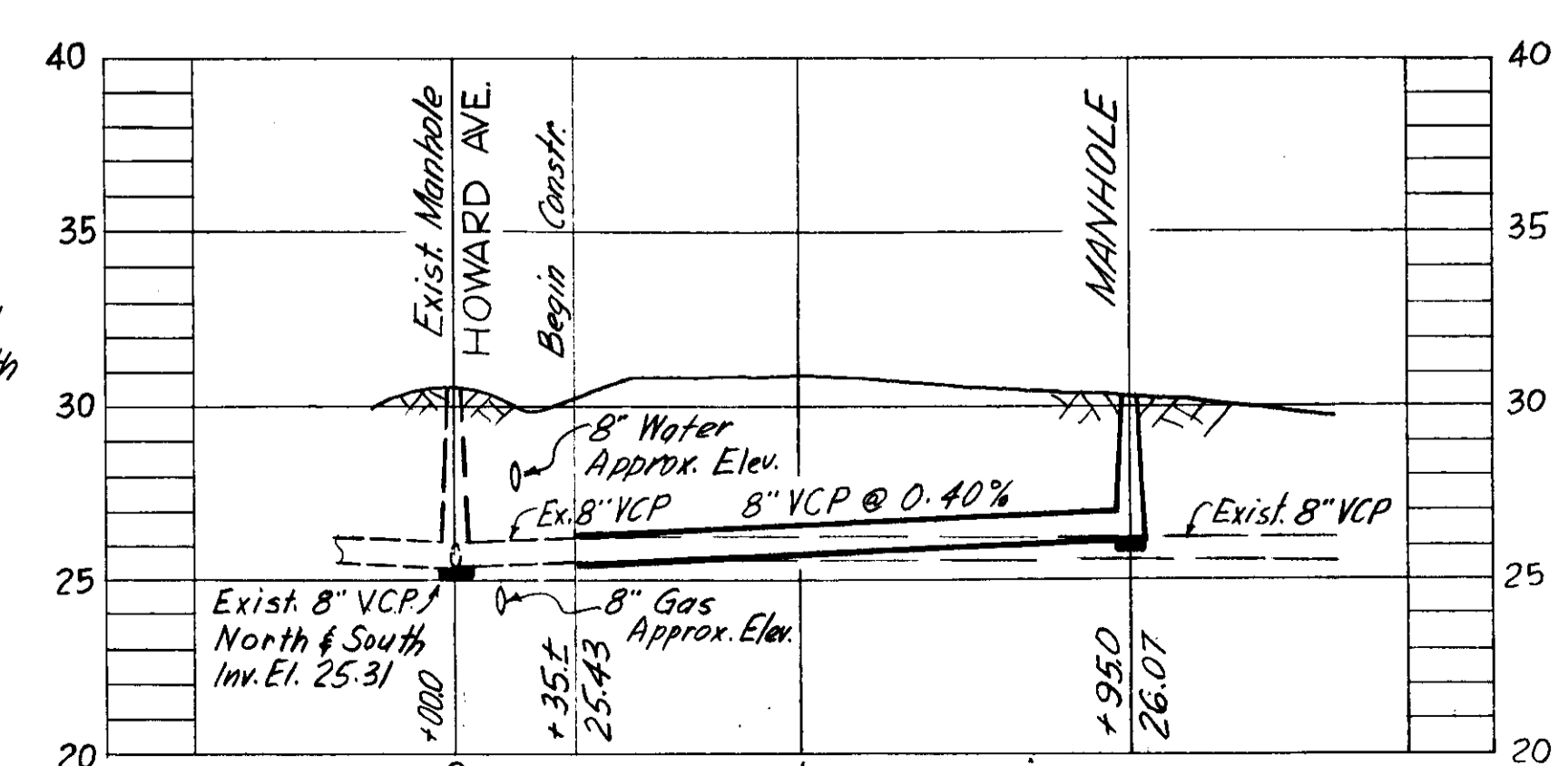
SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H - 11	47
H - 12	48



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

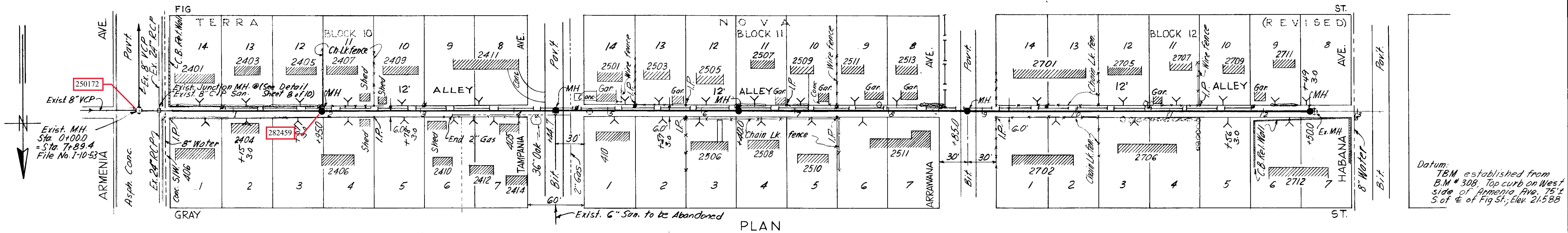
PINE ST.-ALBANY AVE.: Rome Ave. to Alley N. of Pine St.
ALLEY N. of PINE ST.: Albany Ave. to the West
ALLEY N. of PINE ST.: Howard Ave. to E. 195'

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

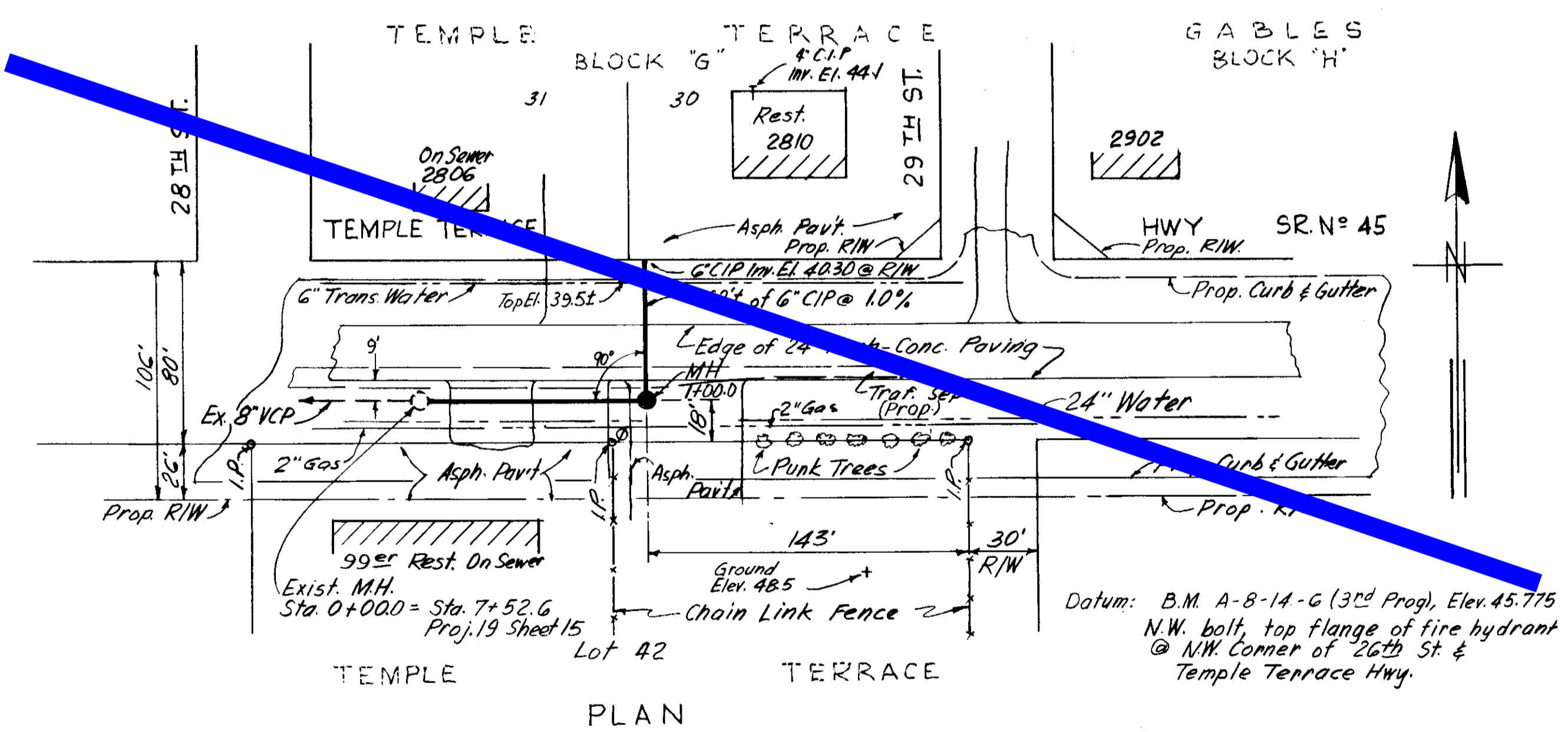
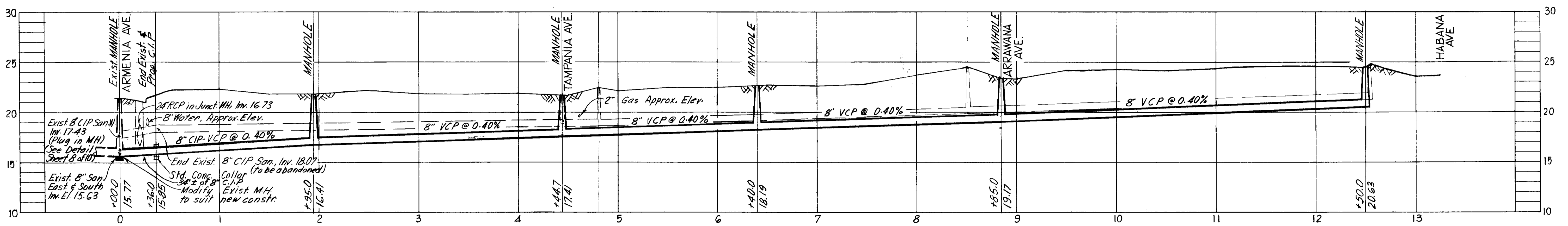
SCALE: 1" = 50'

Drainage Subdistrict A-5

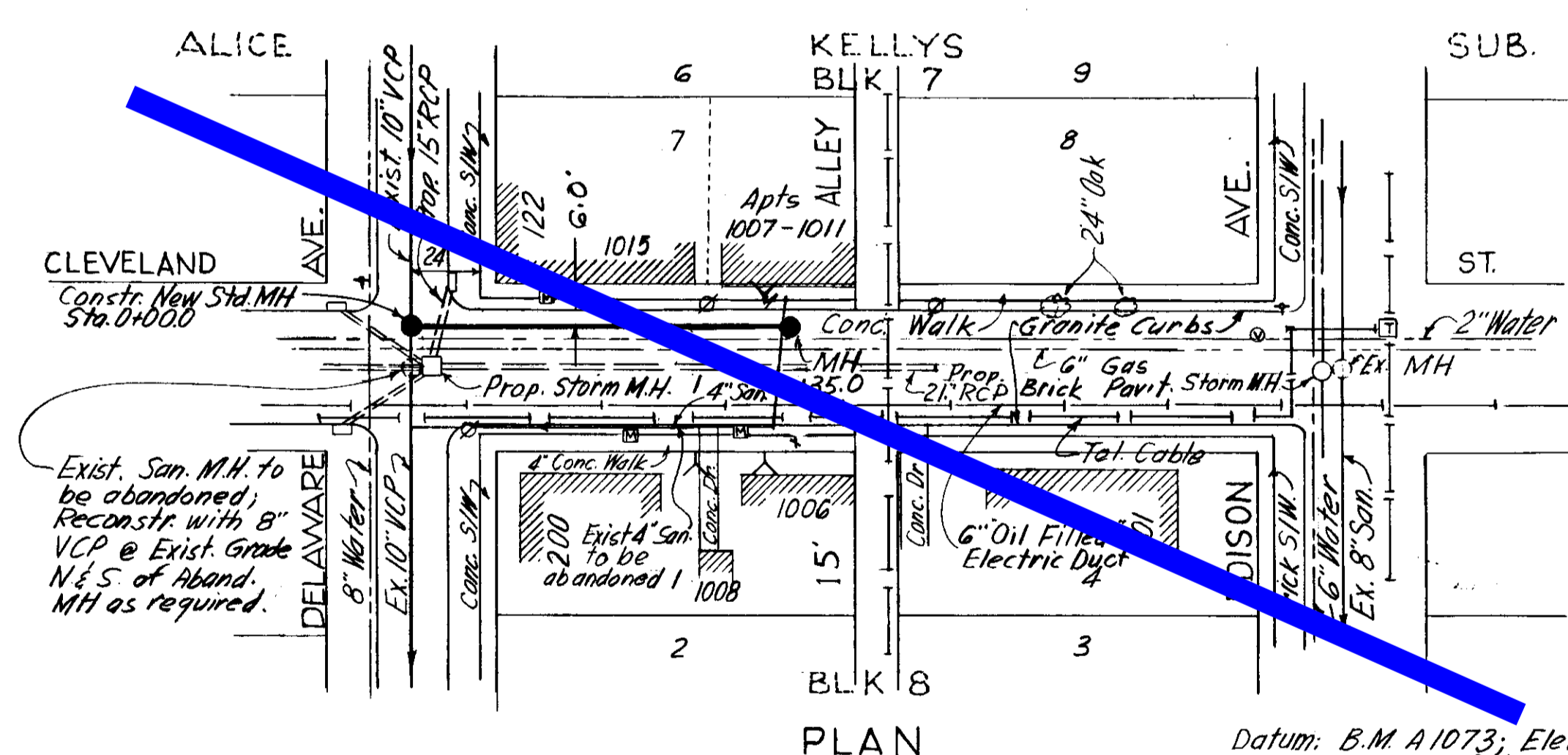
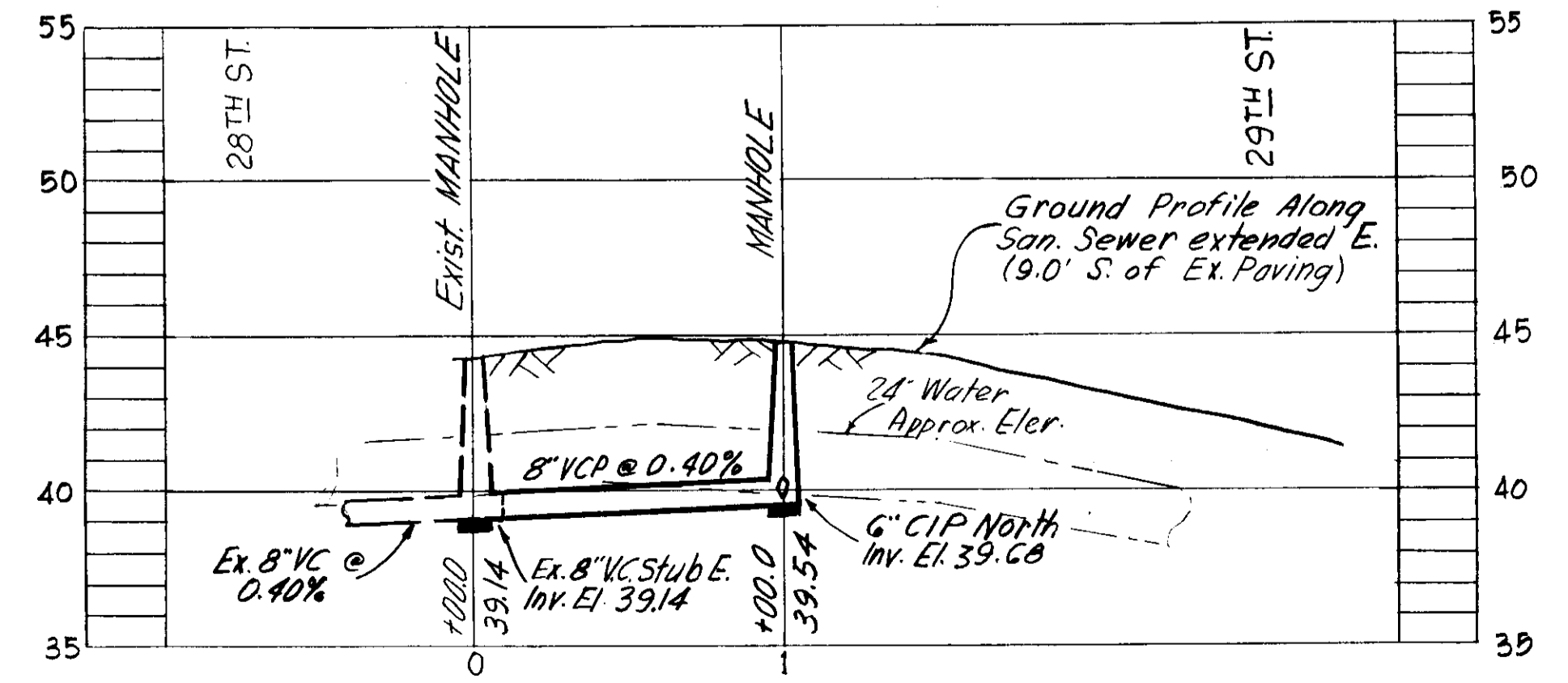
SHEET 7 OF 9



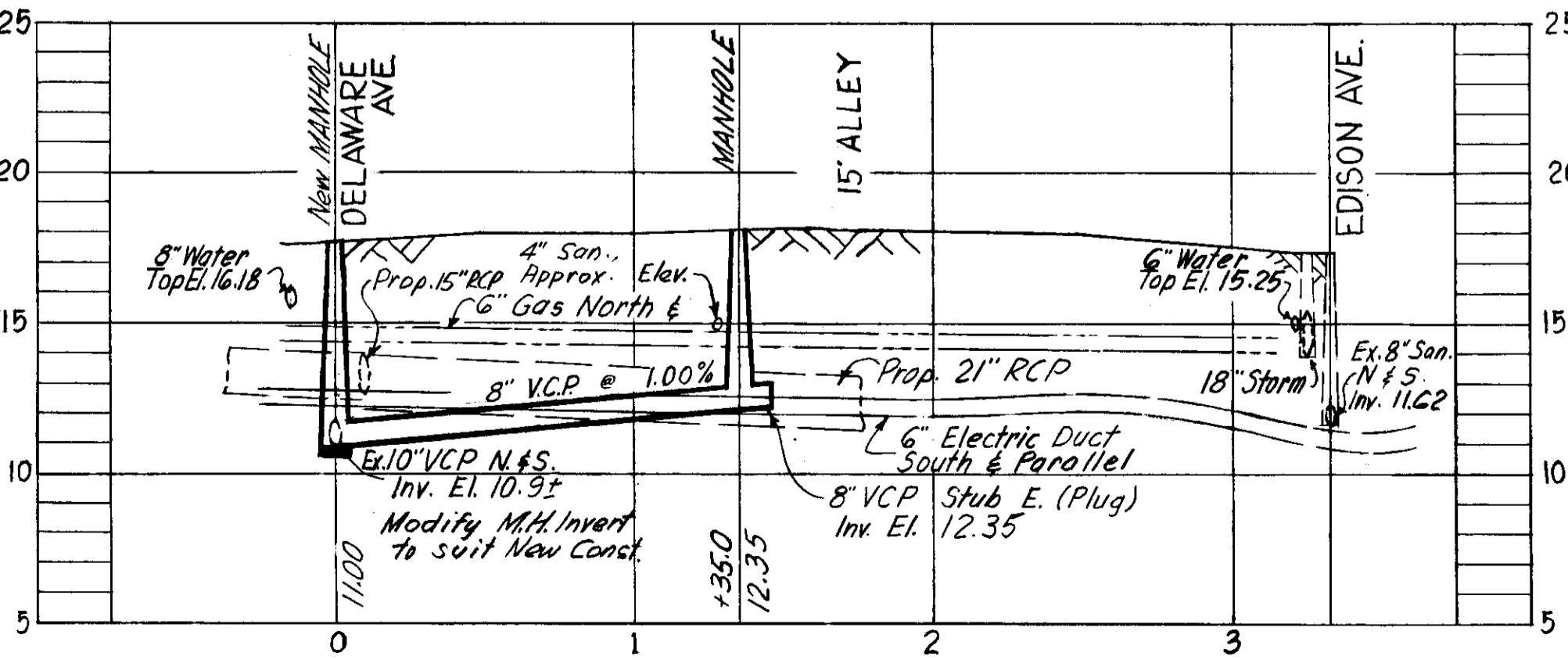
Datum: TBM established from B.M. #308, Top curb on West side of Armenia Ave. 15' S of E of Fig St.; Elev. 21.588



Datum: B.M. A-8-14-G (3rd Prog.) Elev. 45.775
N.W. bolt, top flange of fire hydrant @ N.W. Corner of 26th St. & Temple Terrace Hwy.



Datum: B.M. A1073; Elev. 18.935 @ P.I. of Sidewalk in S.W. corner of Cleveland St. and South Boulevard.



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

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

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

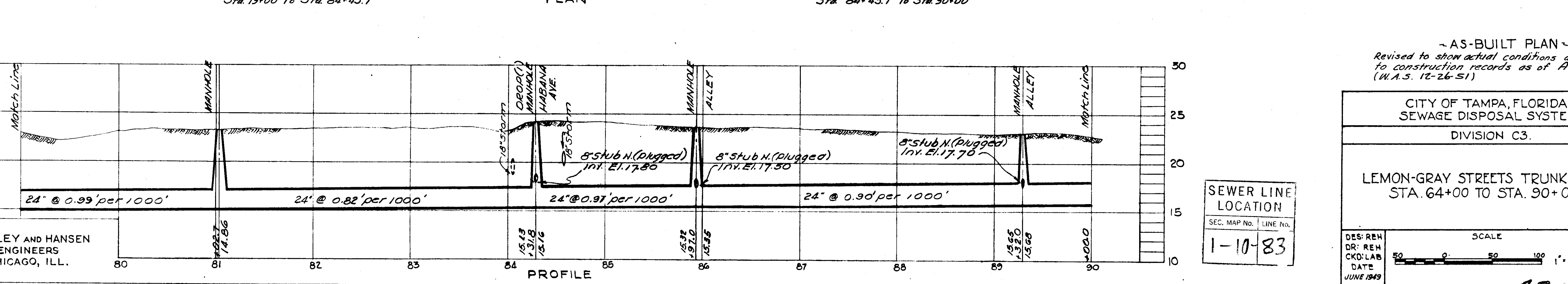
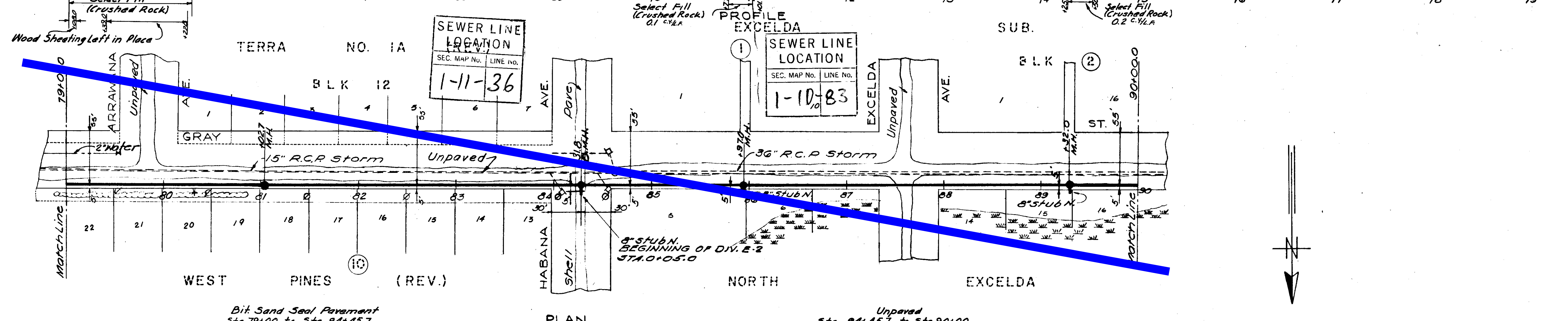
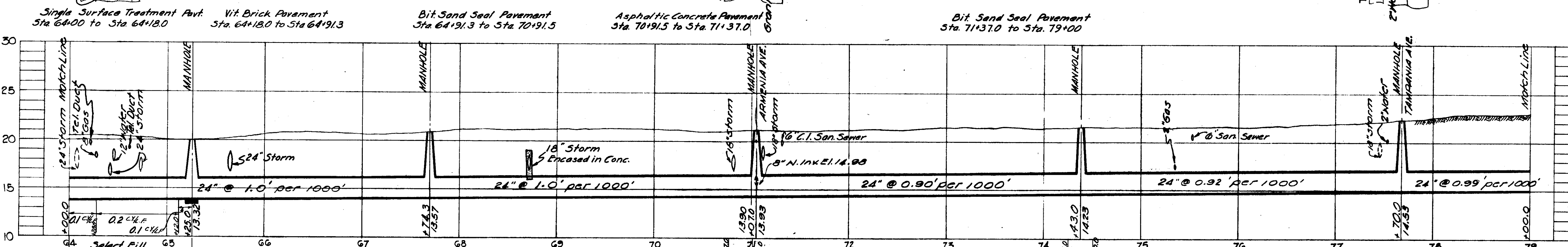
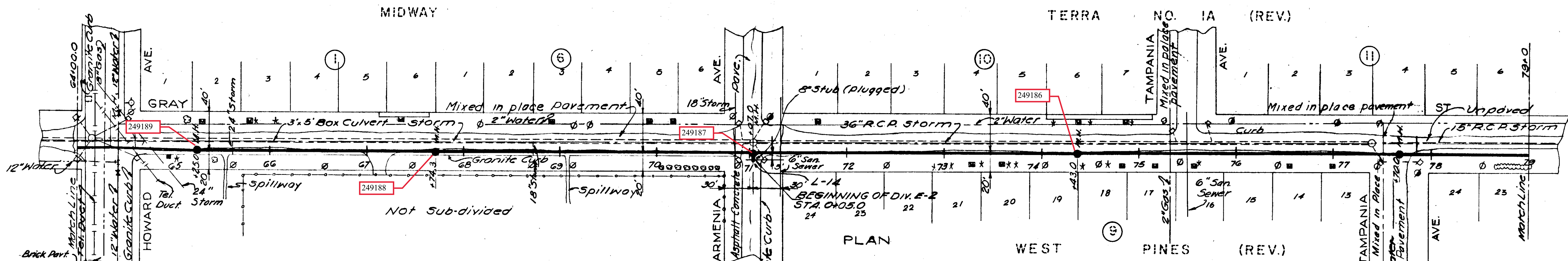
ALLEY N. OF FIG ST.: Armenia Ave. to Habana Ave.
TEMPLE TERRACE HWY.: 28th St. to 29th St.
CLEVELAND ST.: Delaware Ave. to the East, 135'

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

SCALE: 1" = 50'

SHEET 4 OF 10

Drainage Subdistrict A-4, A-5, A0



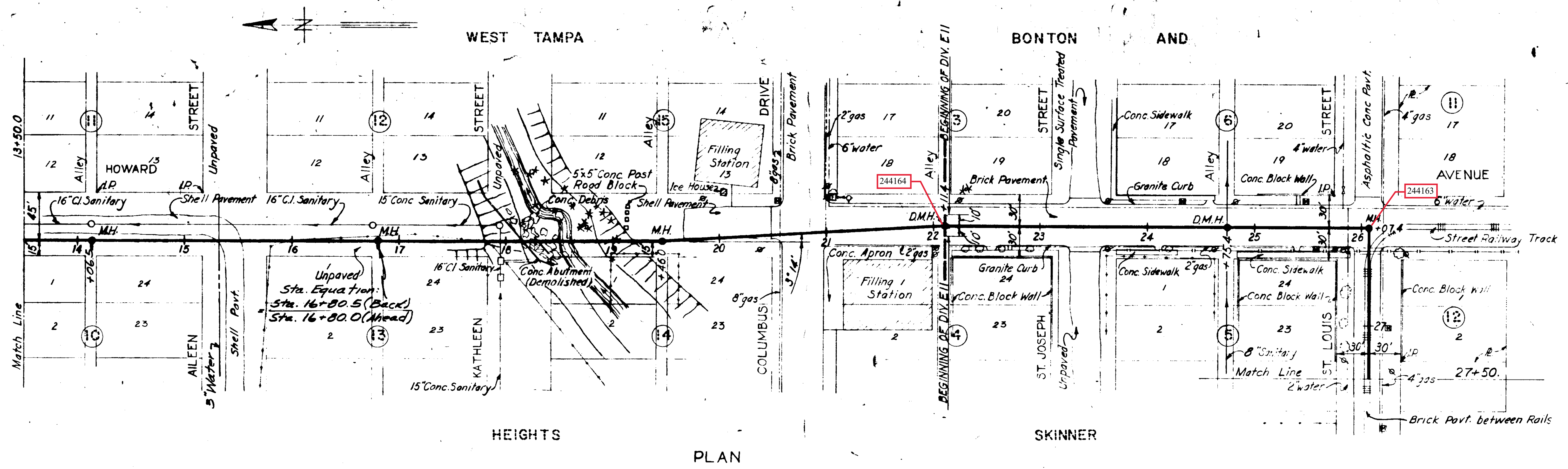
~AS-BUILT PLAN~
 Revised to show actual conditions according
 to construction records as of Aug. 13, 1951
 (W.A.S. 12-26-51)

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

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

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

427



Pavement By City
Sta. 13+50.0 to Sta. 15+38.5

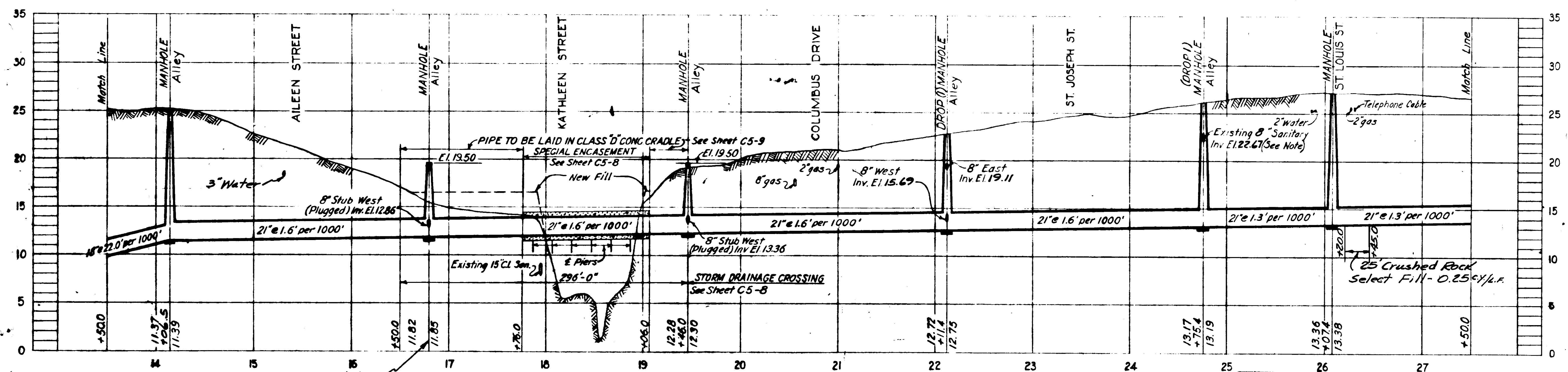
Single Surface Treatment Pavement
Sta. 15+38.5 to Sta. 15+57.1

Unpaved
Sta. 15+57.1 to Sta. 19+78.9

Shell Pavement
Sta. 19+78.9 to Sta. 20+49.2

Brick Pavement
Sta. 20+49.2 to Sta. 26+80.4

Shell Base By Contractor
Pavement By City
Sta. 26+80.4 to Sta. 27+50.0



PROFILE

SEWER LINE LOCATION	
SEC. MAP NO.	LINE #
G-15-39	

- NOTE:
- Existing 10" sanitary sewer to be kept in operation, carried through New M.H. and broken out when new line is put into operation.
 - From Sta. 16+50± to Sta. 19+46.0 all sod and top soil to be removed and low spots to be filled with sand selected from surplus excavation, approved by the Engineer, firmly compacted and brought to uniform grade for placement of conc. cradle, and in span of Storm Drainage Crossing.

SEWER LINE LOCATION	
SEC. MAP NO.	LINE NO.
H-11-57	

CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
DIVISION C5

WEST TAMPA TRUNK SEWER
STA. 13+50 TO STA. 27+50

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

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

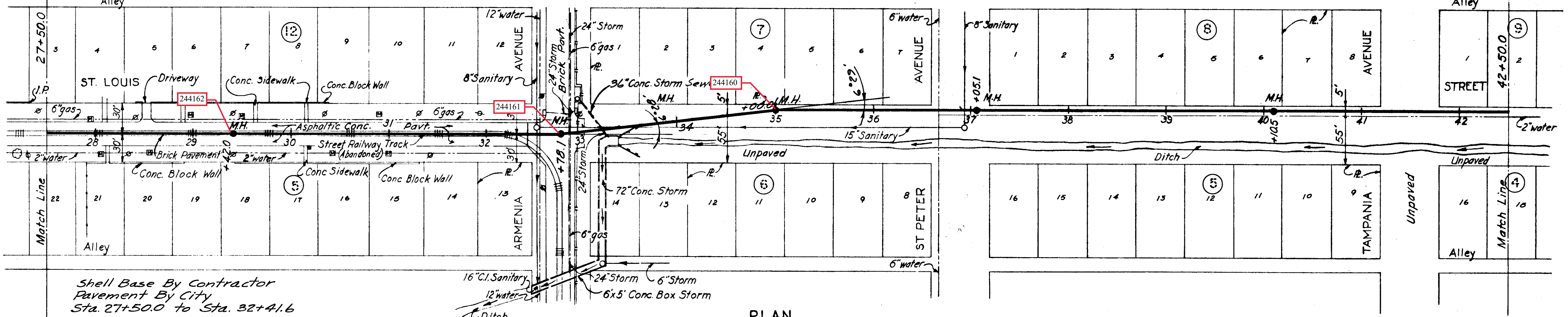
DES. L.A.B.
DR. A.T.J.R.
CHD. W.H.S.
DATE
MAY, 1950

SCALE
50 0 50 100
1" = 50'

SHEET
C5-4
OF 9

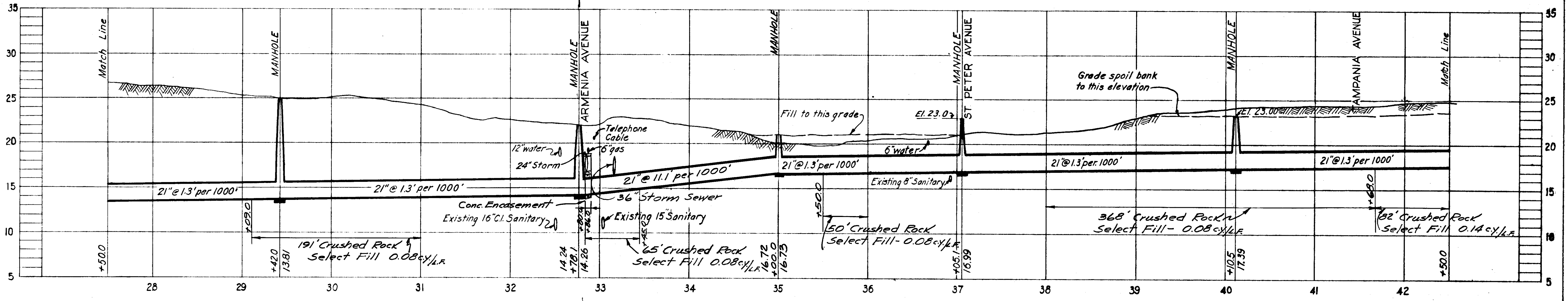
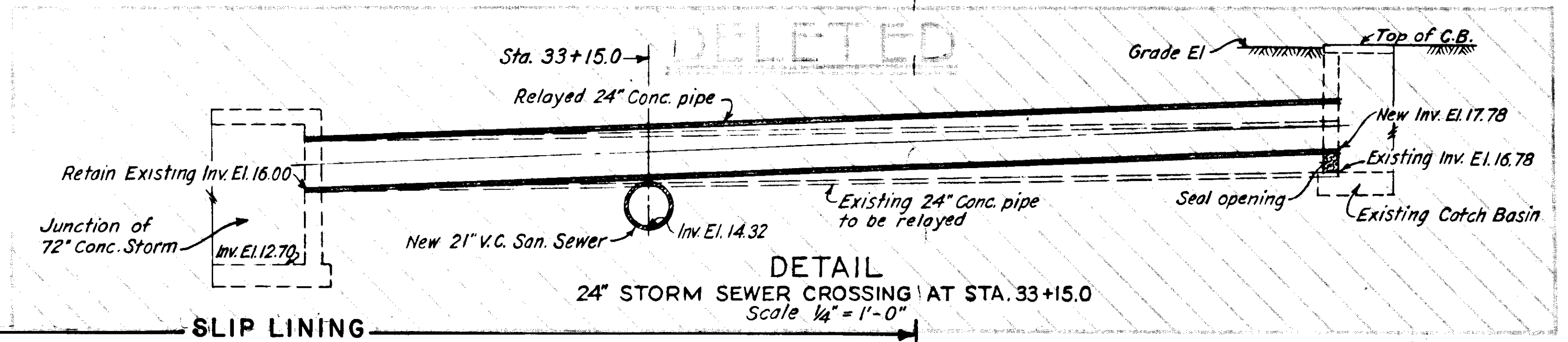
42-23

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



SEWER LINE LOCATION
 H-11-58

SEWER LINE LOCATION
 H-10-82

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

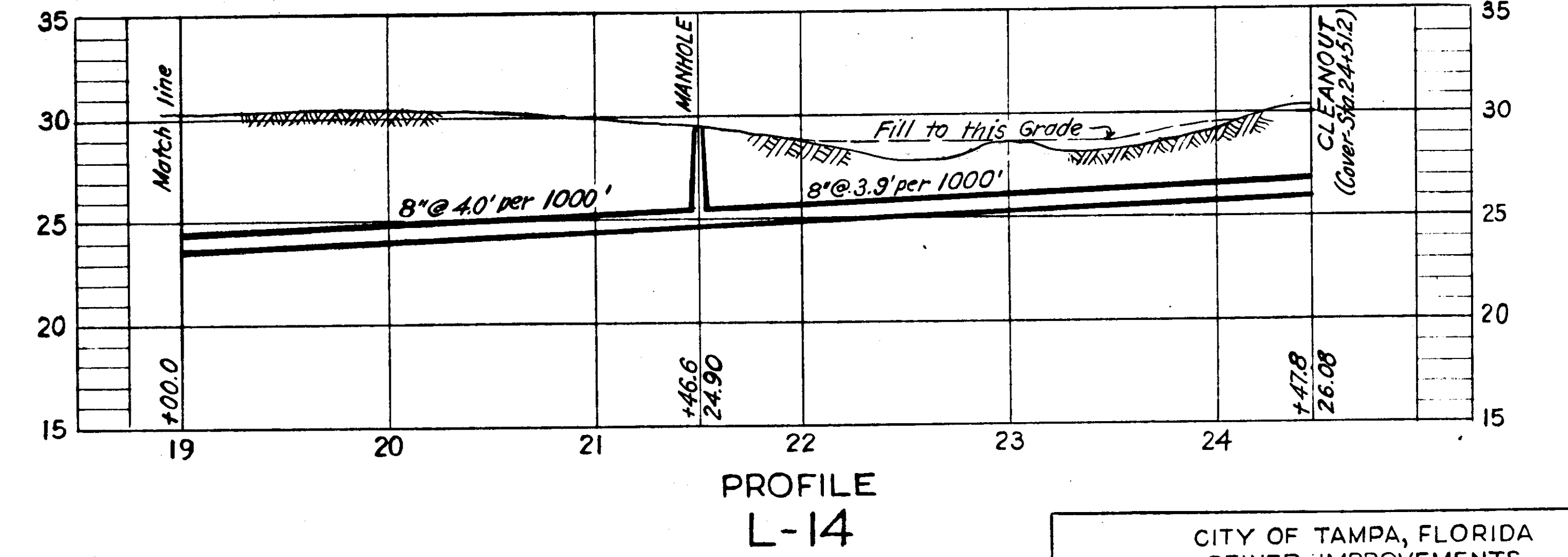
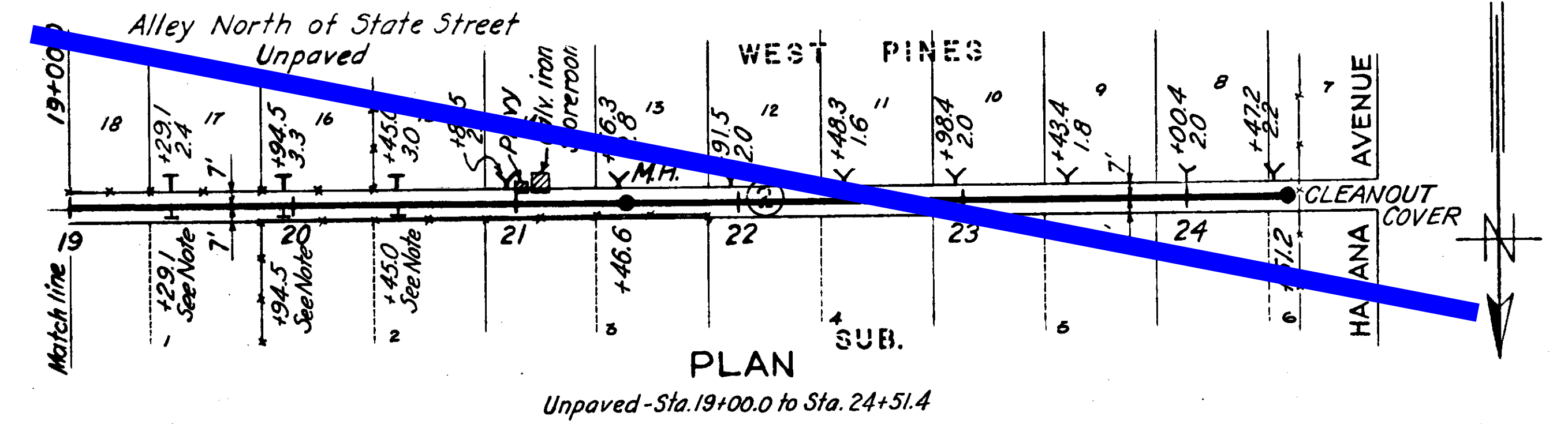
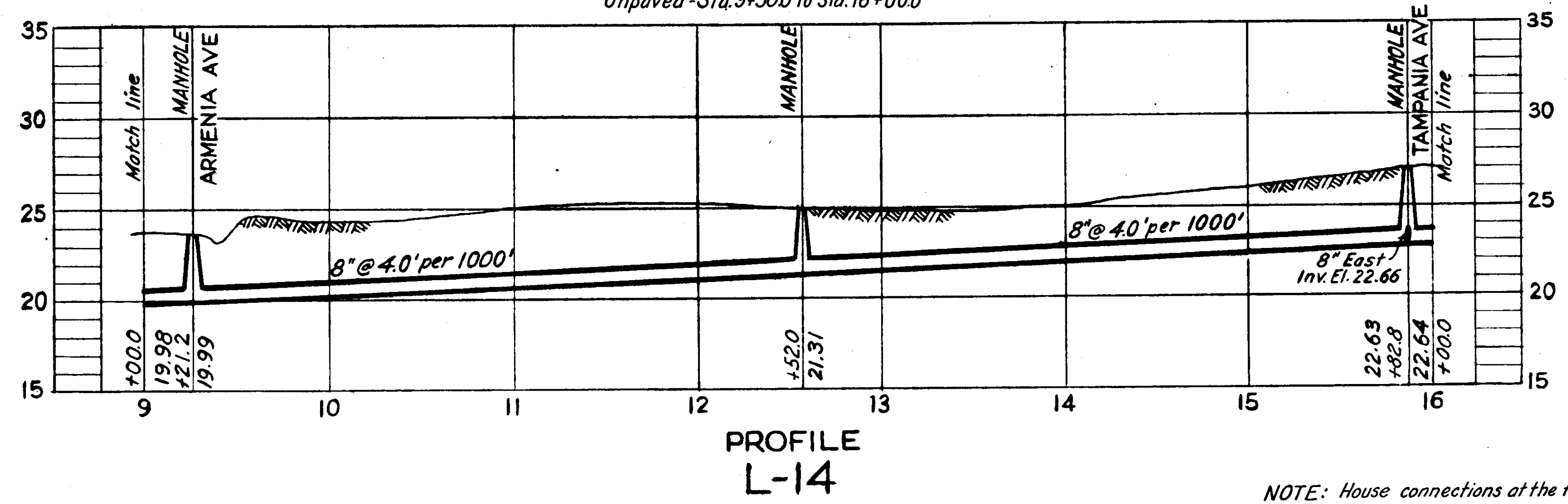
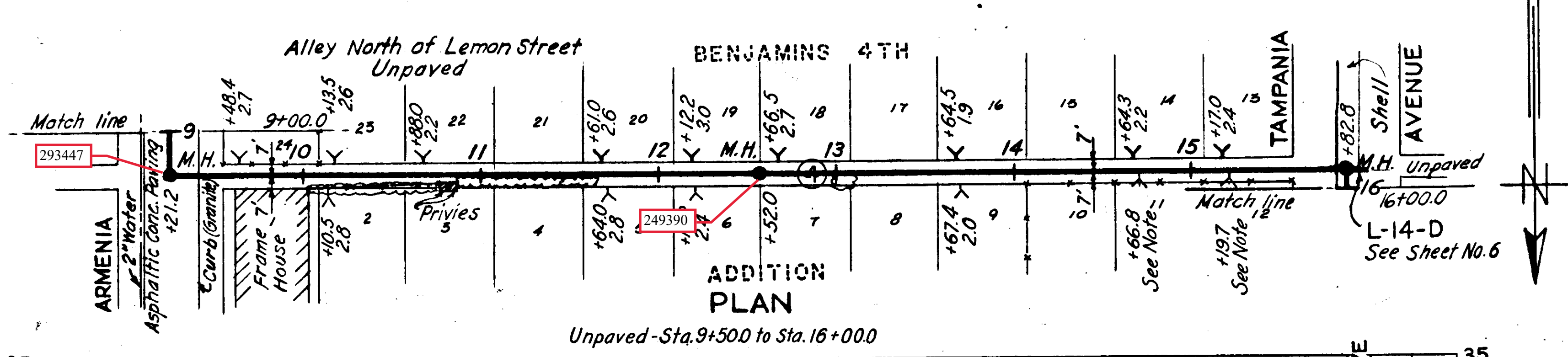
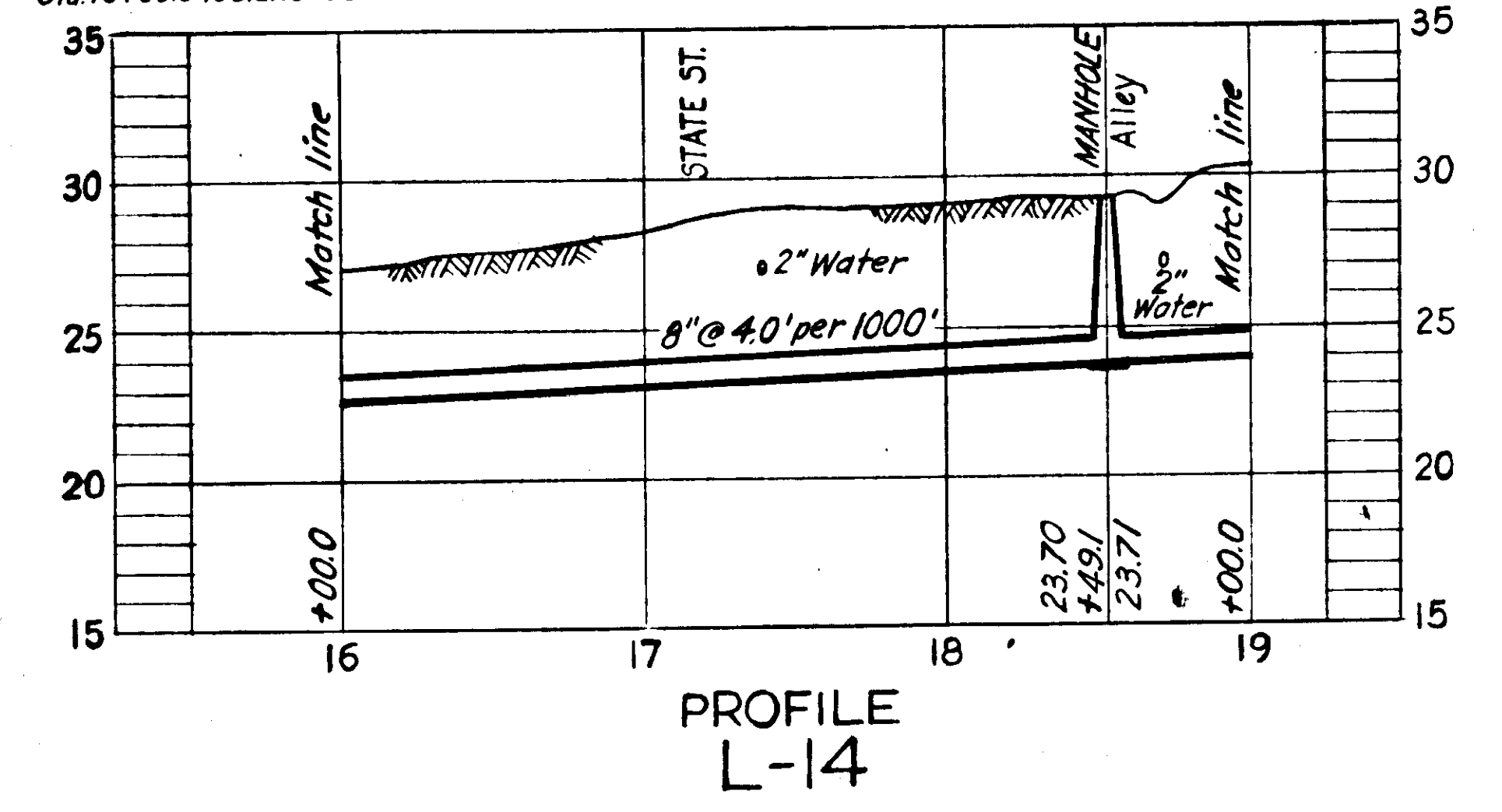
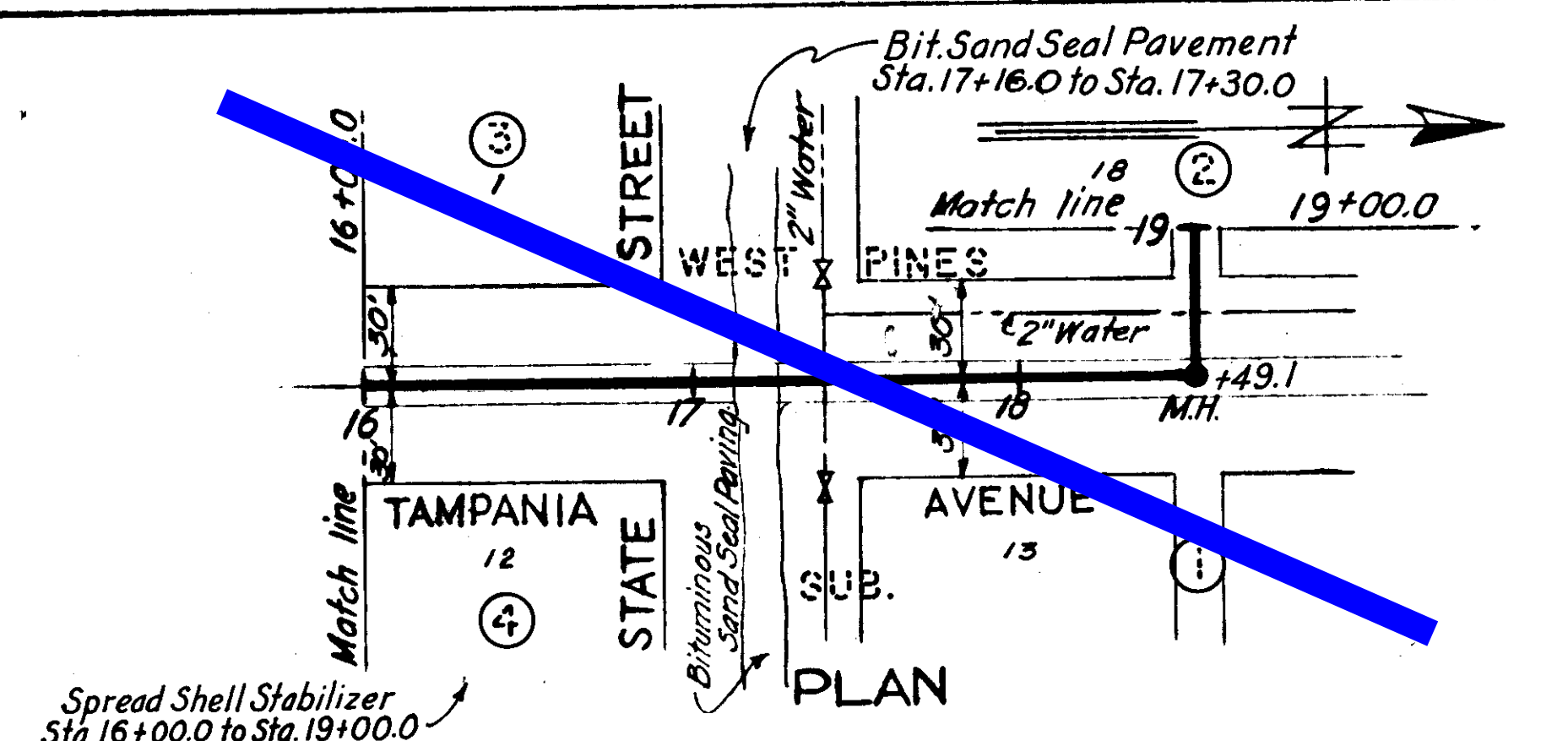
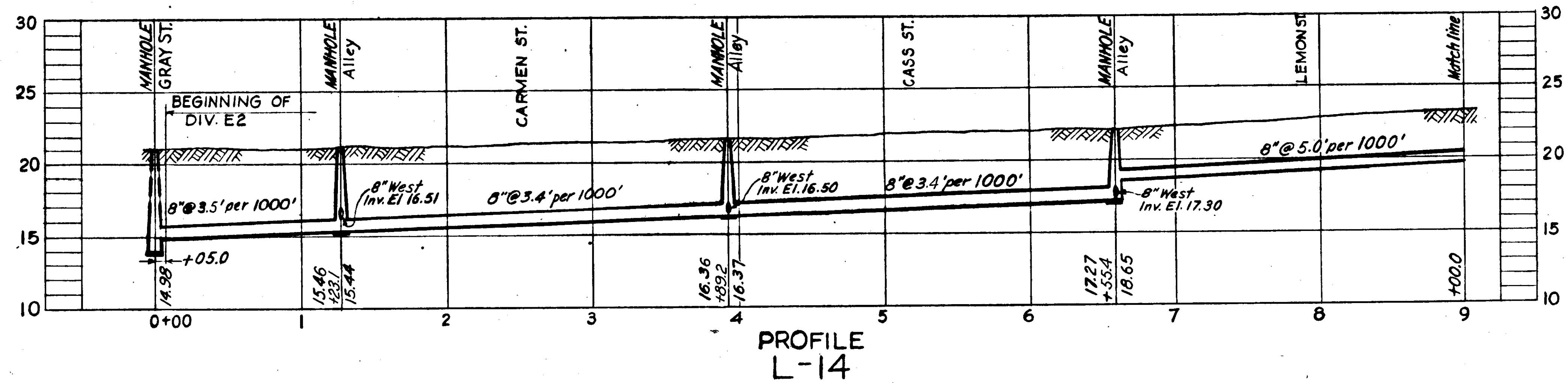
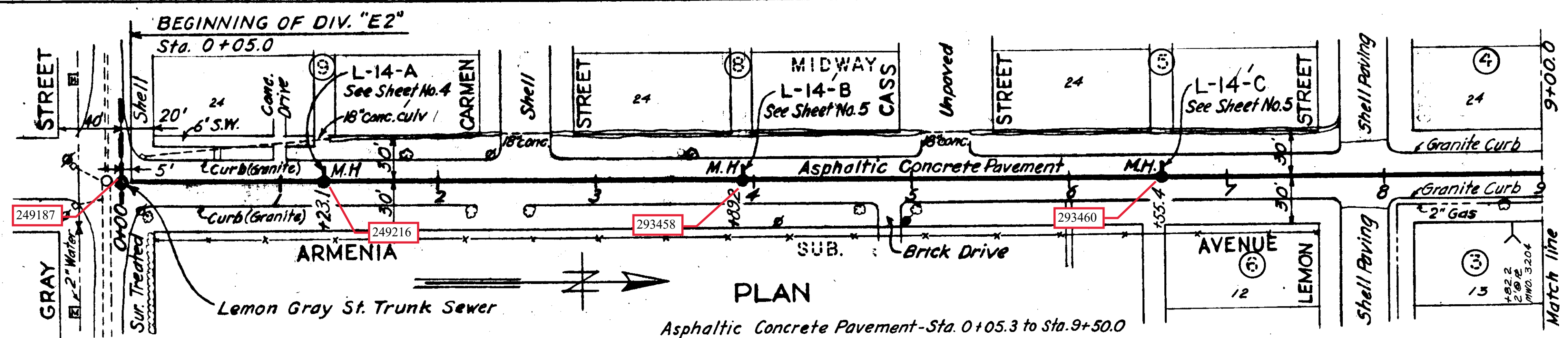
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

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

SCALE 1"=50'

DATE MAY, 1950

SHEET C5-5 OF 9



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

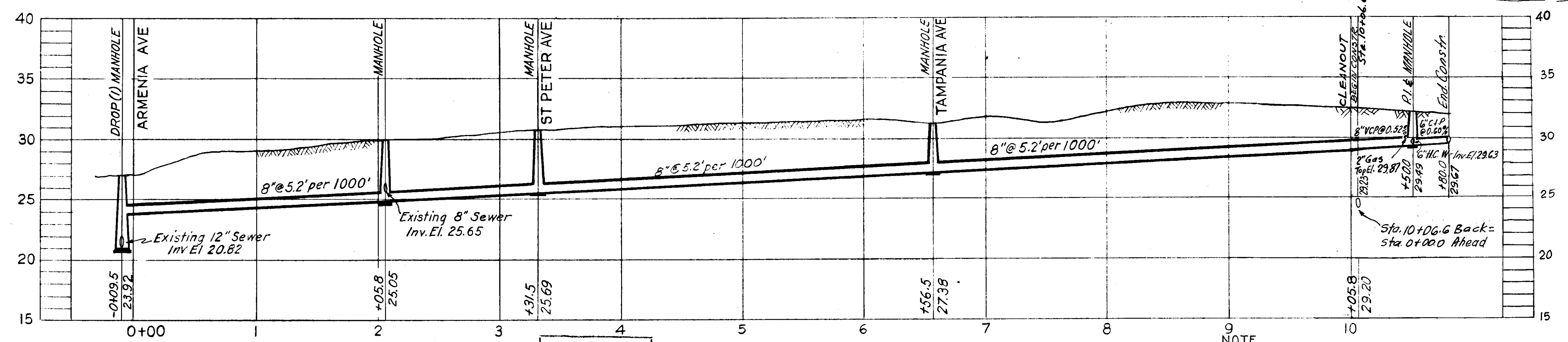
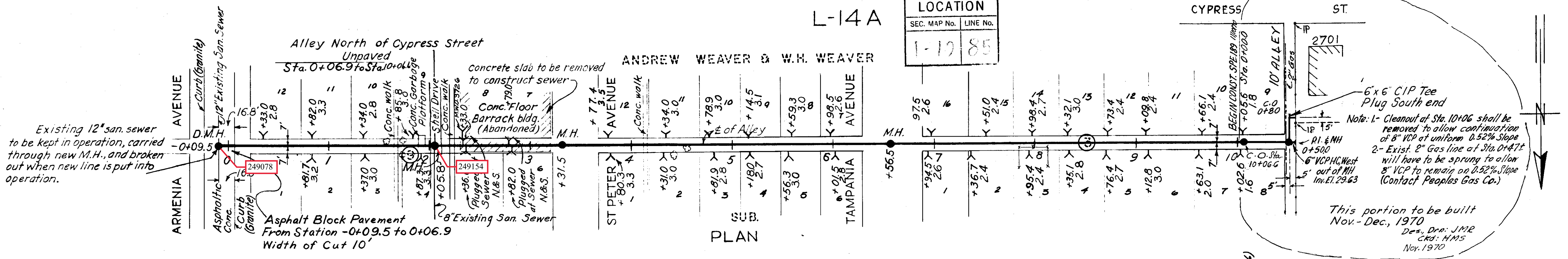
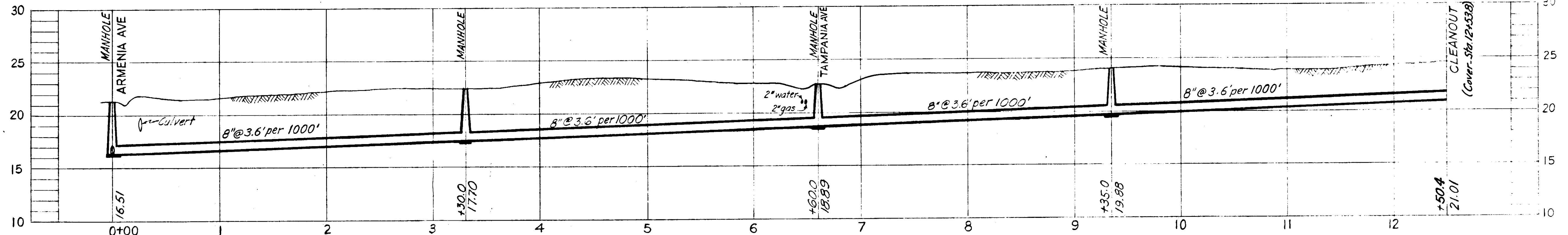
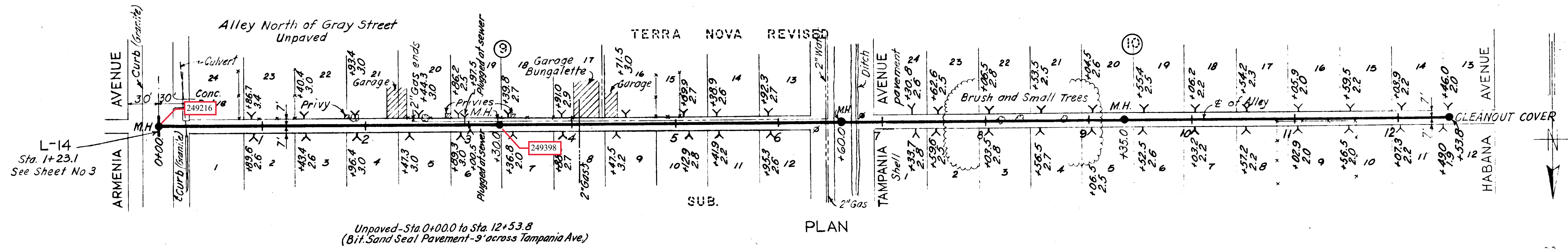
SCALE
50 0 50 100 1" = 50'

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)

44-4



GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

SEC. MAP No.	LINE No.
H-10	84

NOTE
As built revisions added May 2, 1950
Stations at Ys & Ts is Station at End of House
connection at Property Line or as noted.
As built revised August 31, 1950
to include additional data.
A.F. Lopez, 9-5-50. By M. Ordina, Jr.

AS-BUILT PLAN
Revised to show actual conditions according
to construction records as of Aug 31, 1950
(R.M.J.3-1-51)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION E2

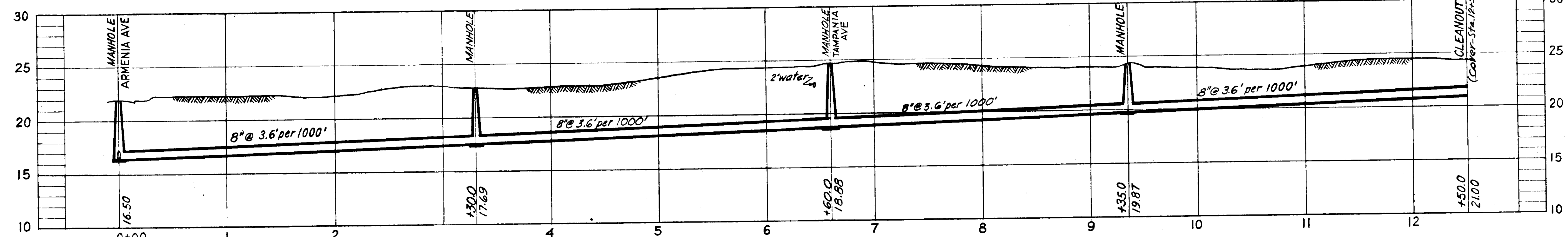
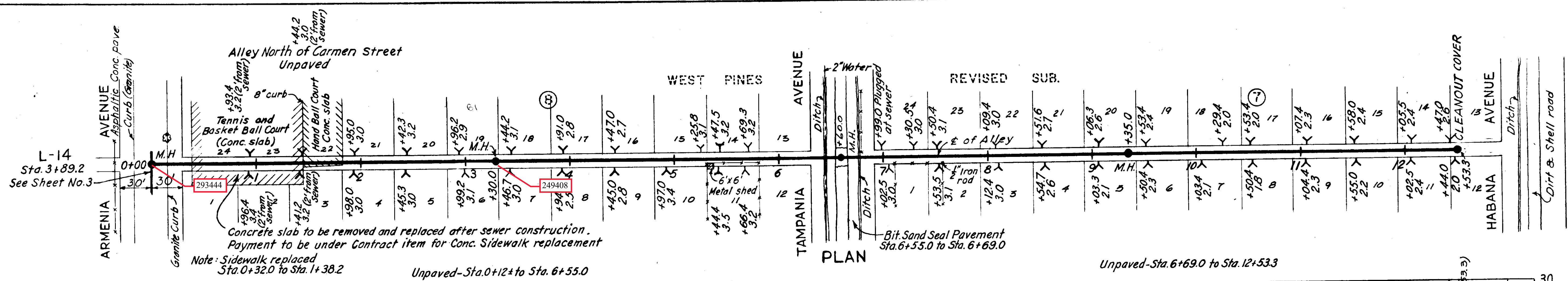
L-14A & Lx-1

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

SCALE
50 0 50 100
1" = 50'

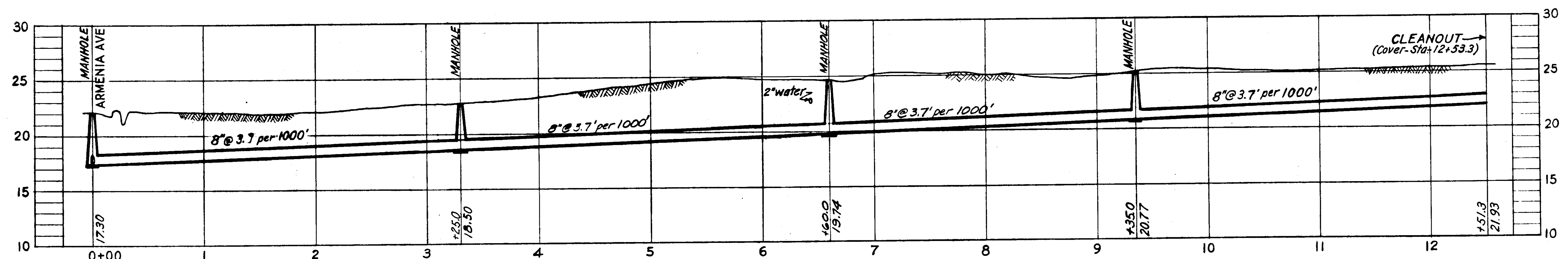
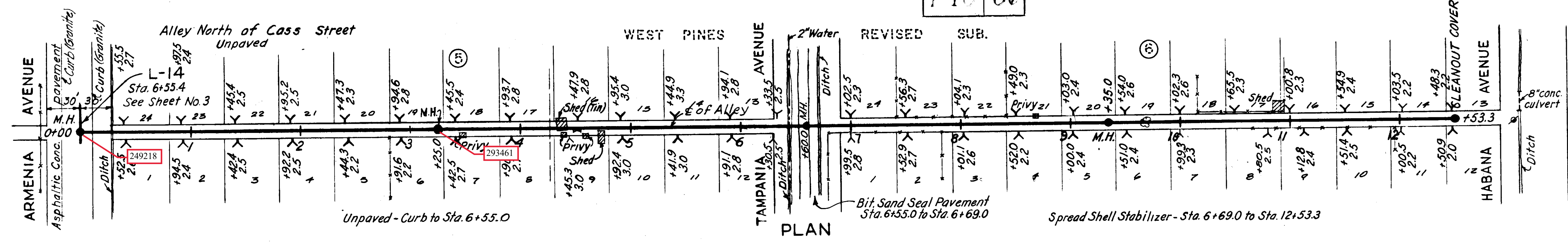
SHEET
E2-4
OF 14

11-5



PROFILE
L-14-B

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



PROFILE
L-14-C

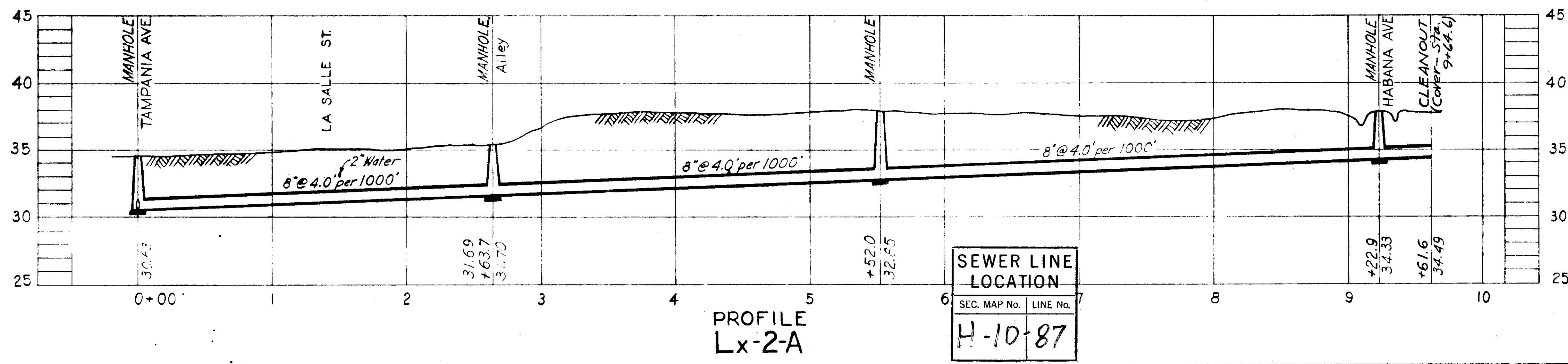
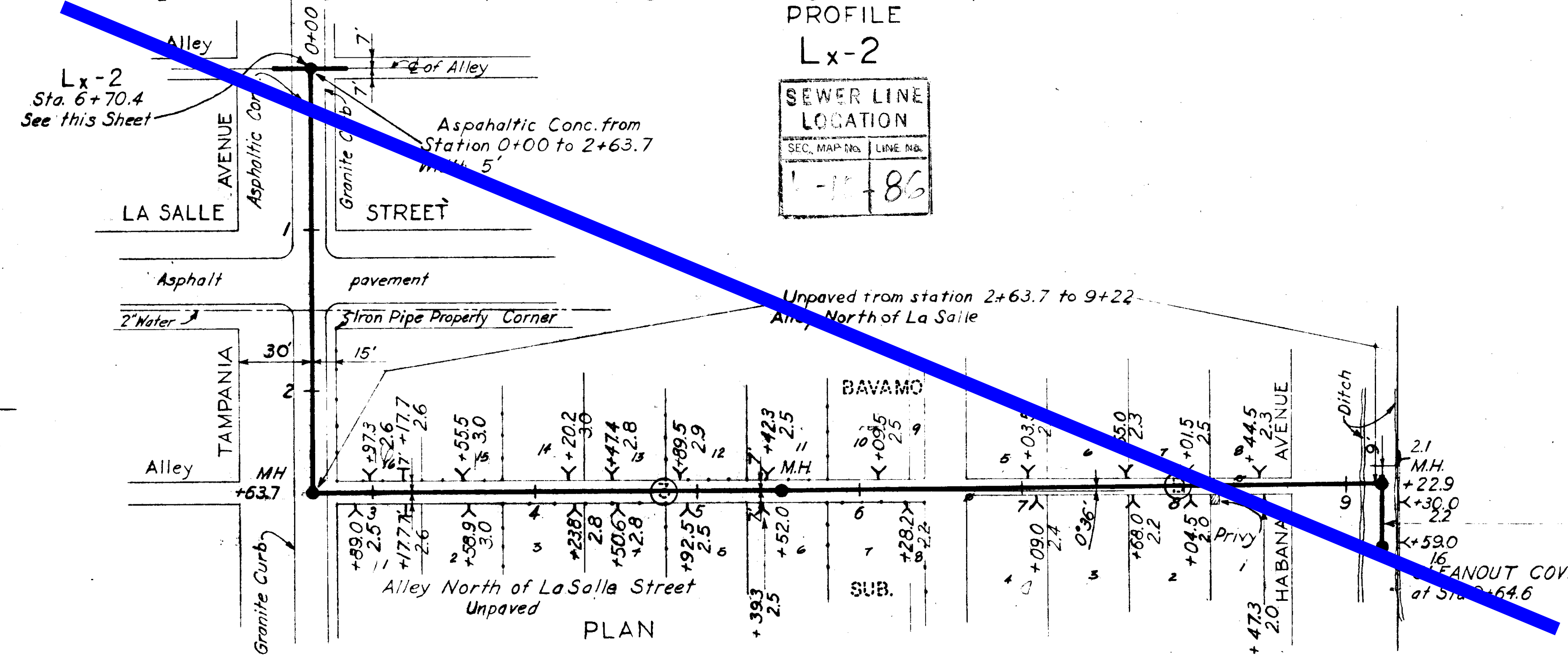
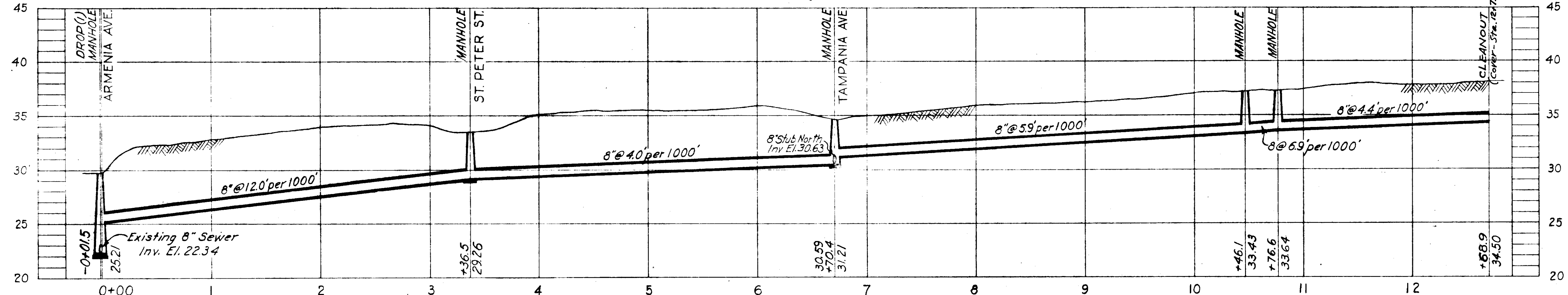
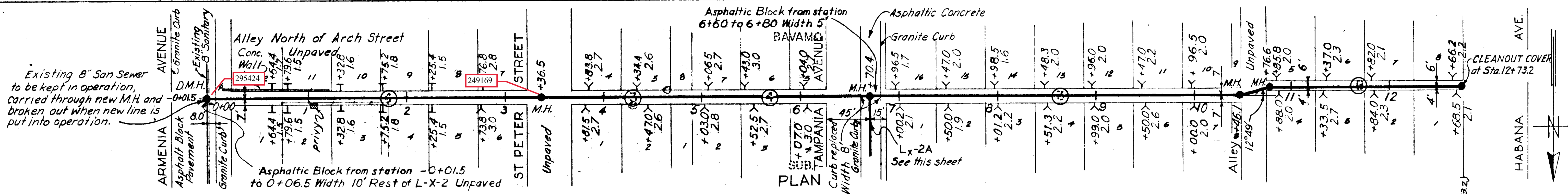
SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
1-10	87

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 50 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

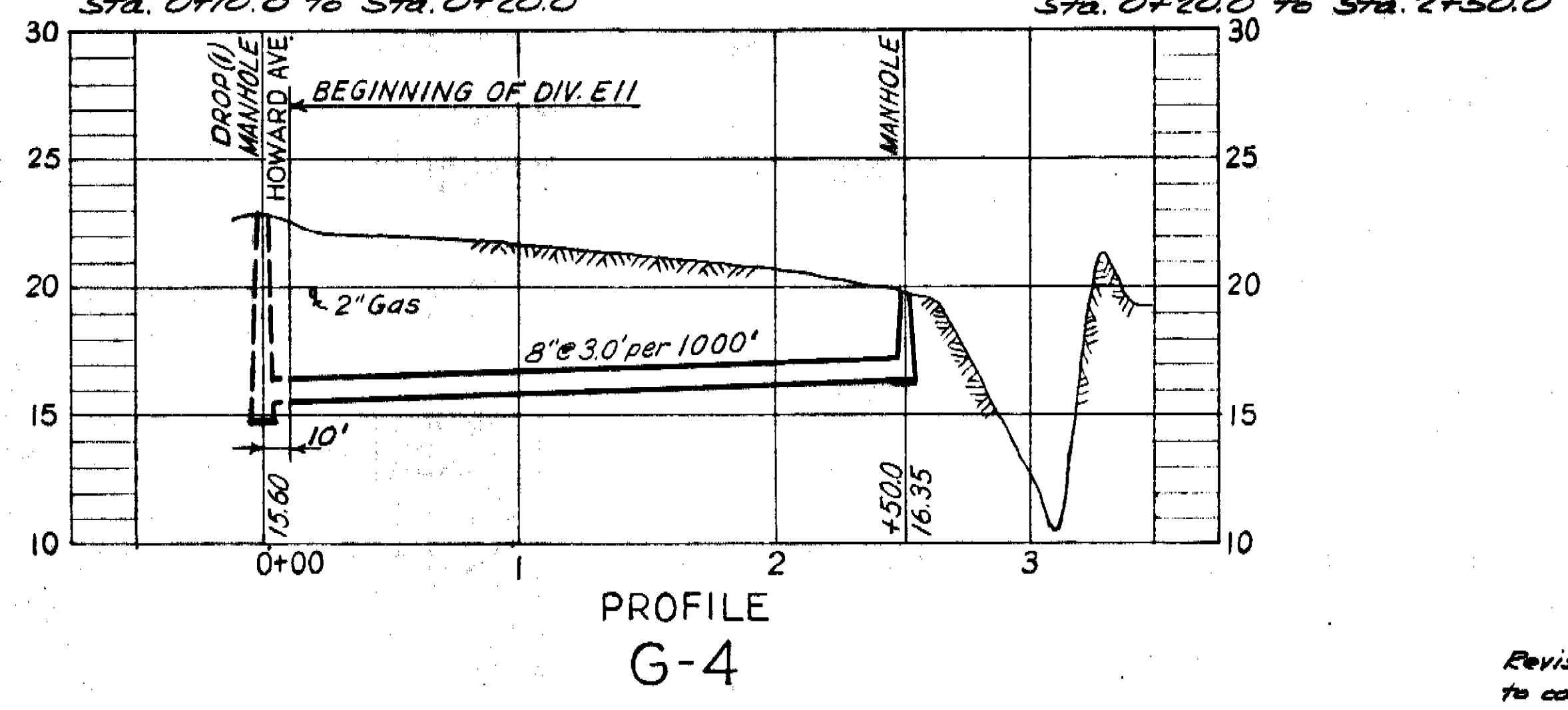
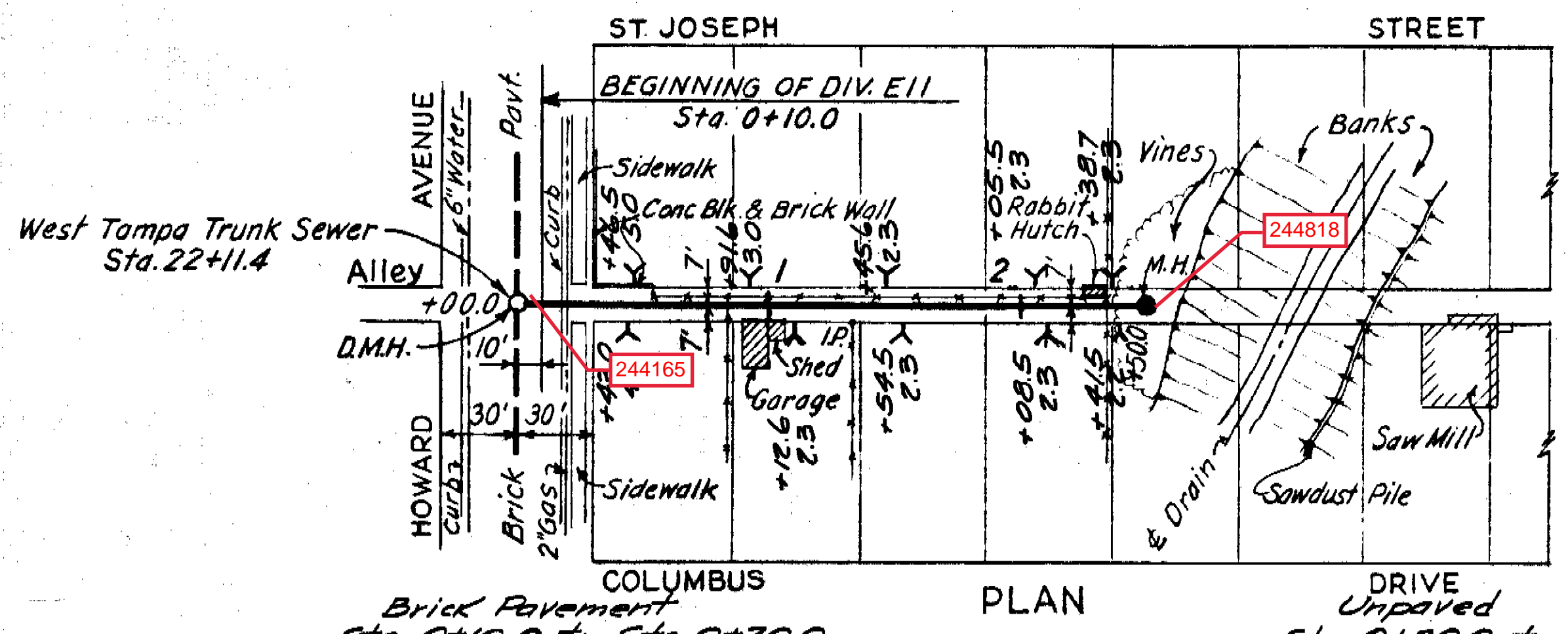
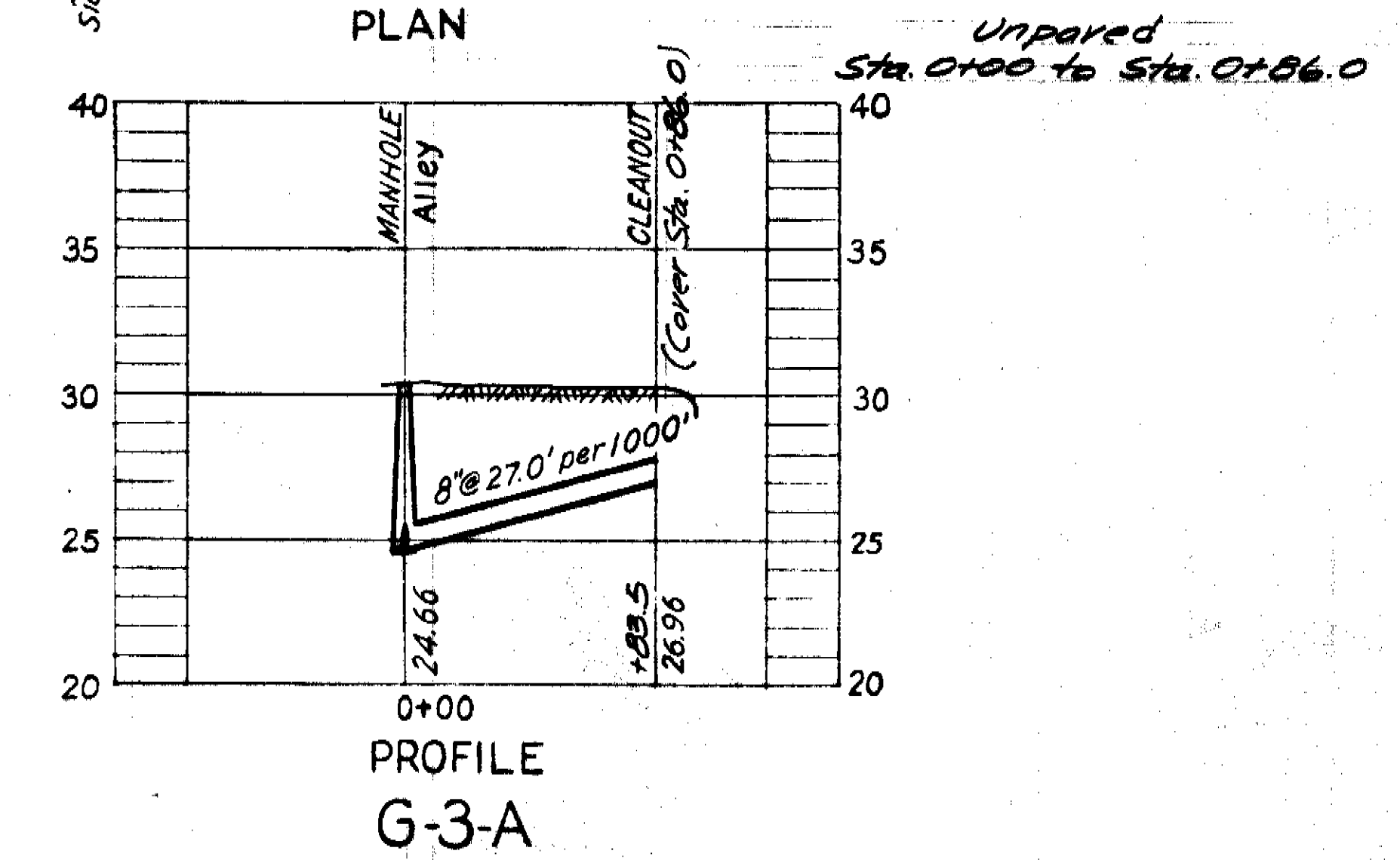
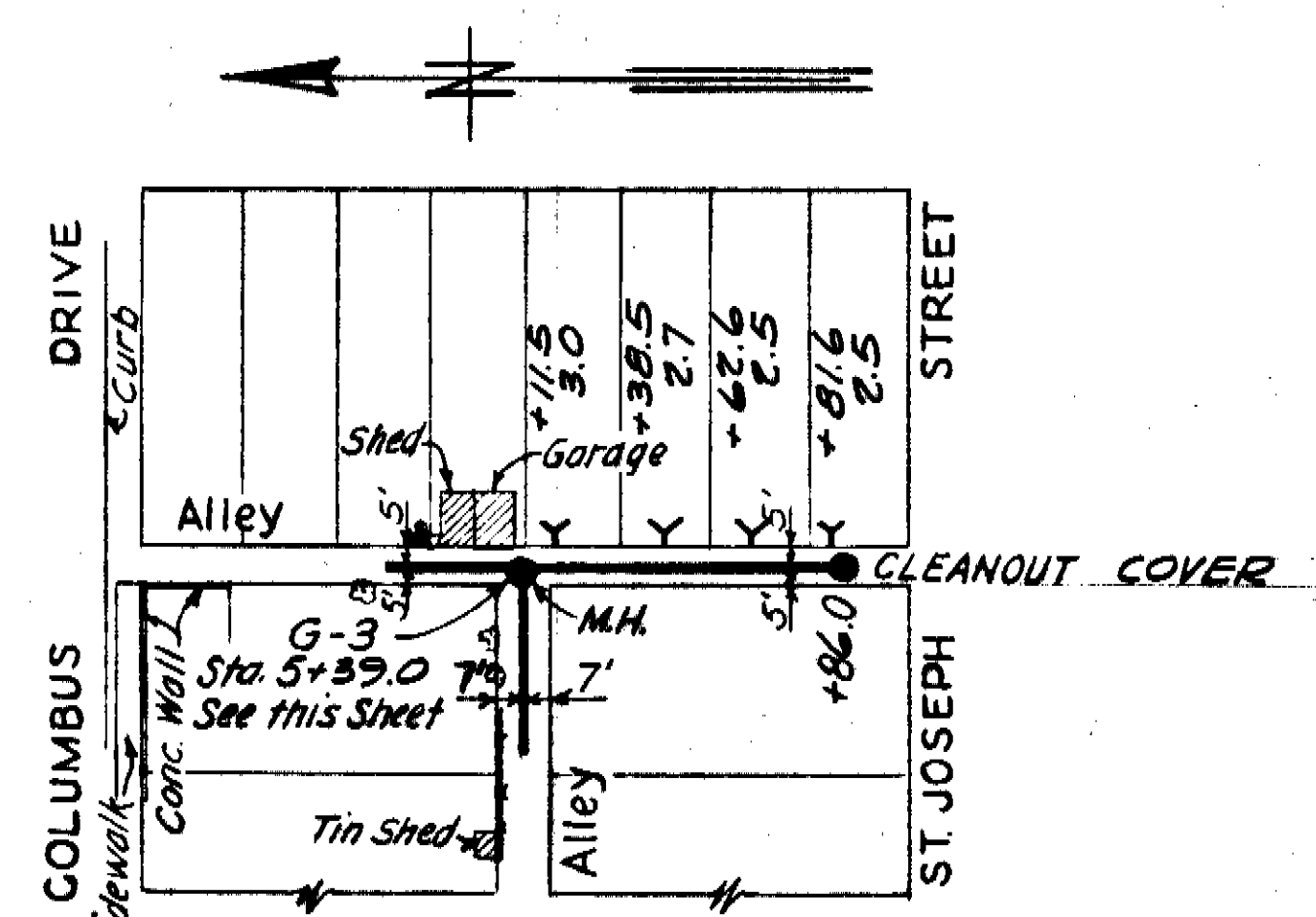
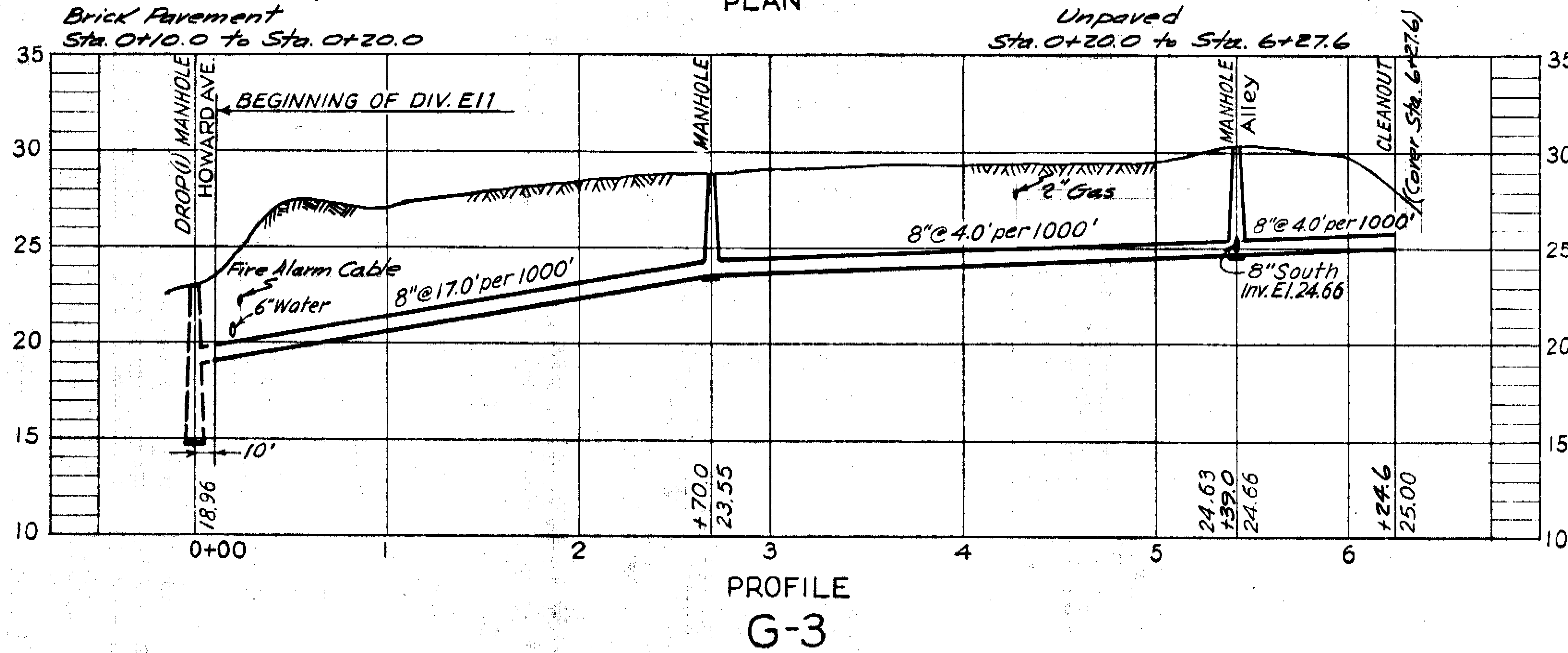
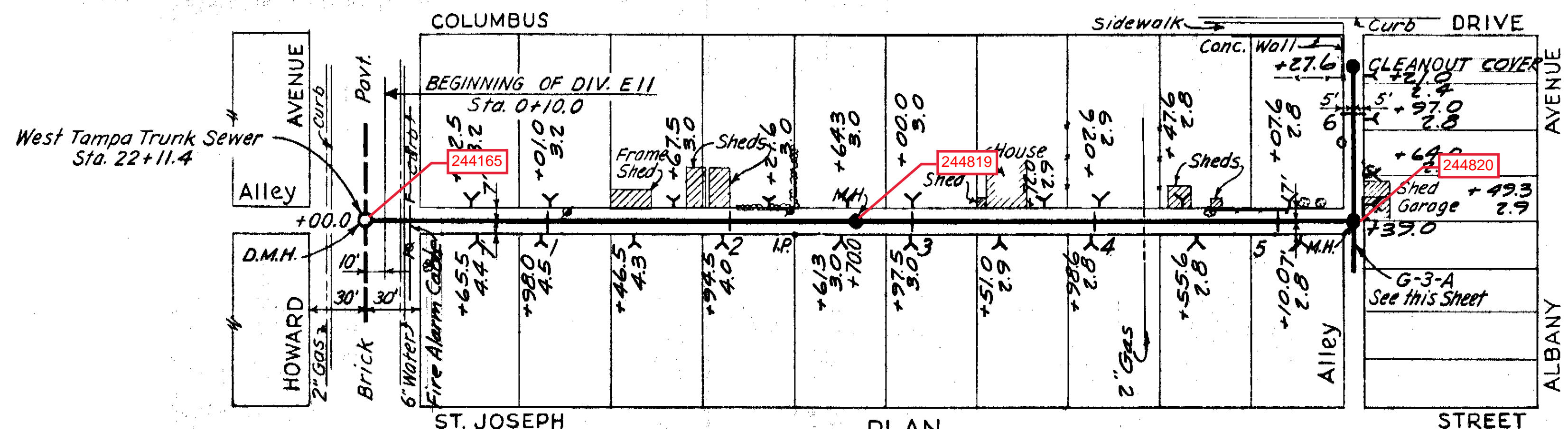
NOTE.
As built revisions added May 12, 1950
Stations at Ys & Ts is Station at End of House connection at Property Line or as noted.

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. CKD. LAB. DATE JUNE 1949	SCALE 50 0 50 100 1" = 50'
SHEET E2-7 OF 14	

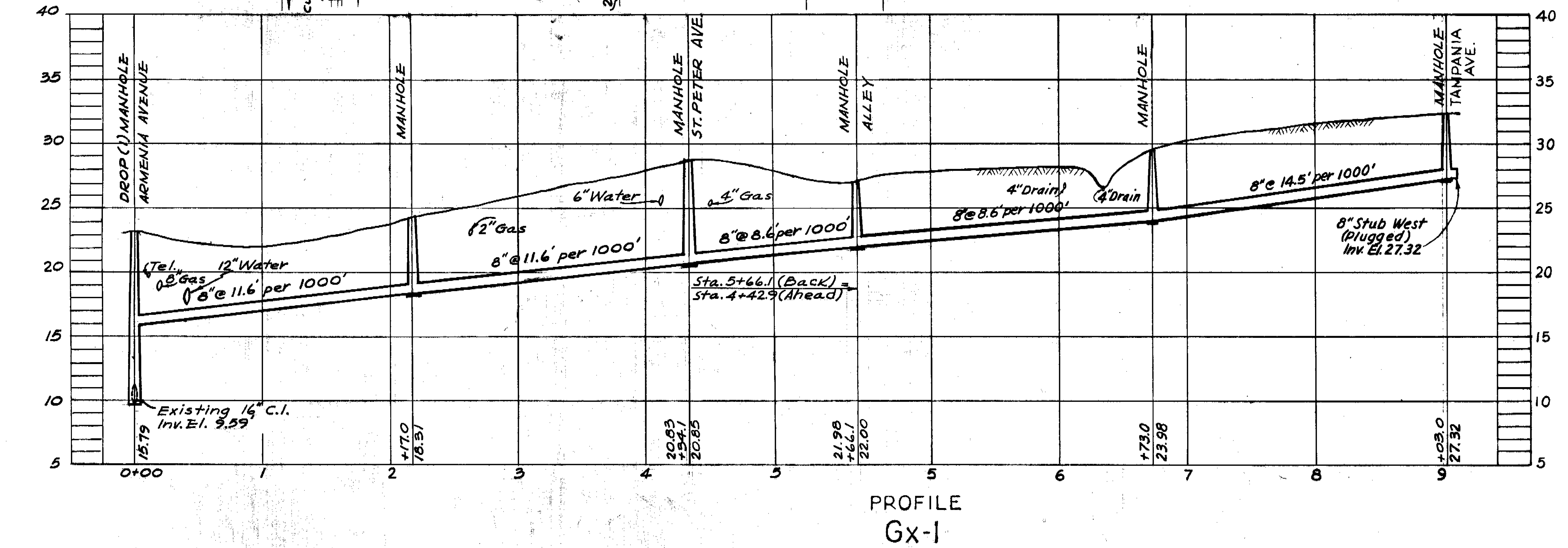
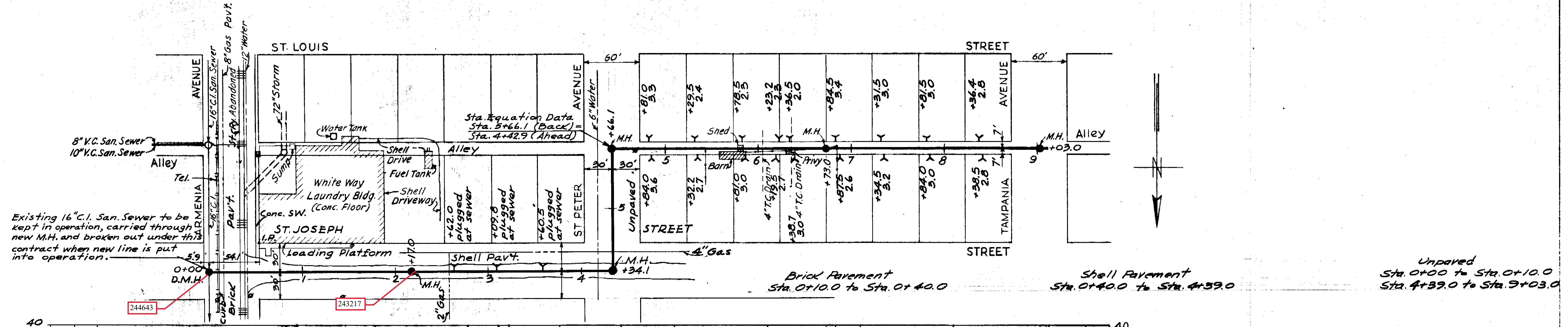
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.



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



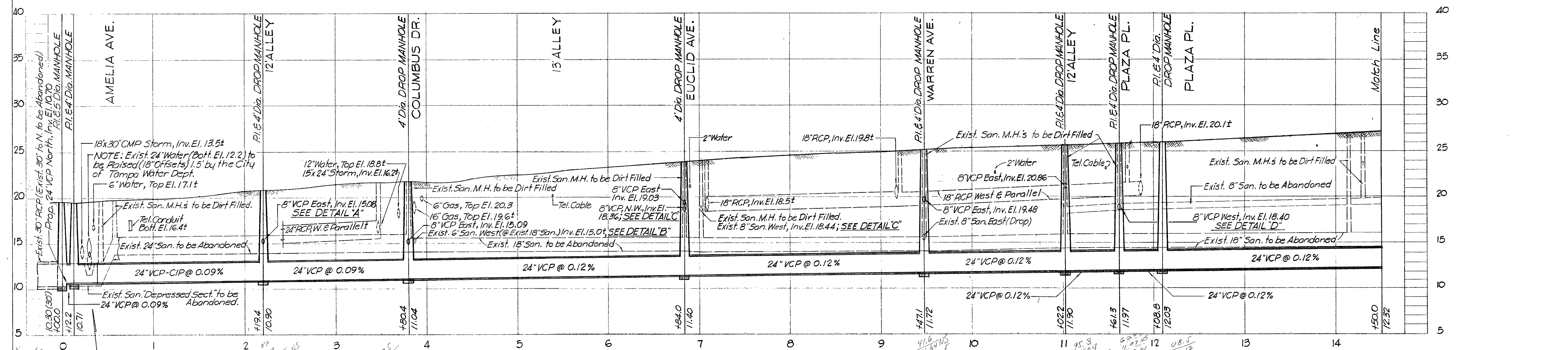
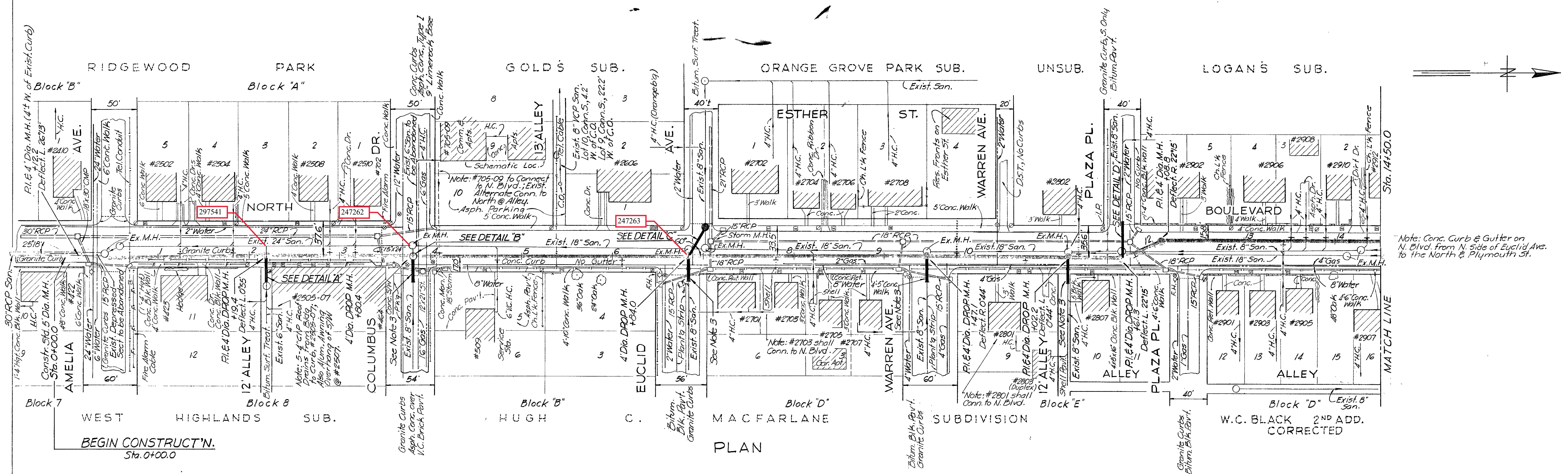
Note: Portion of Gx-1 from Sta. 0+00 to Sta. 5+66.1 drawn in accordance with Dwg. E11-SD-1

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



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+27± 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

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 exist. & 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

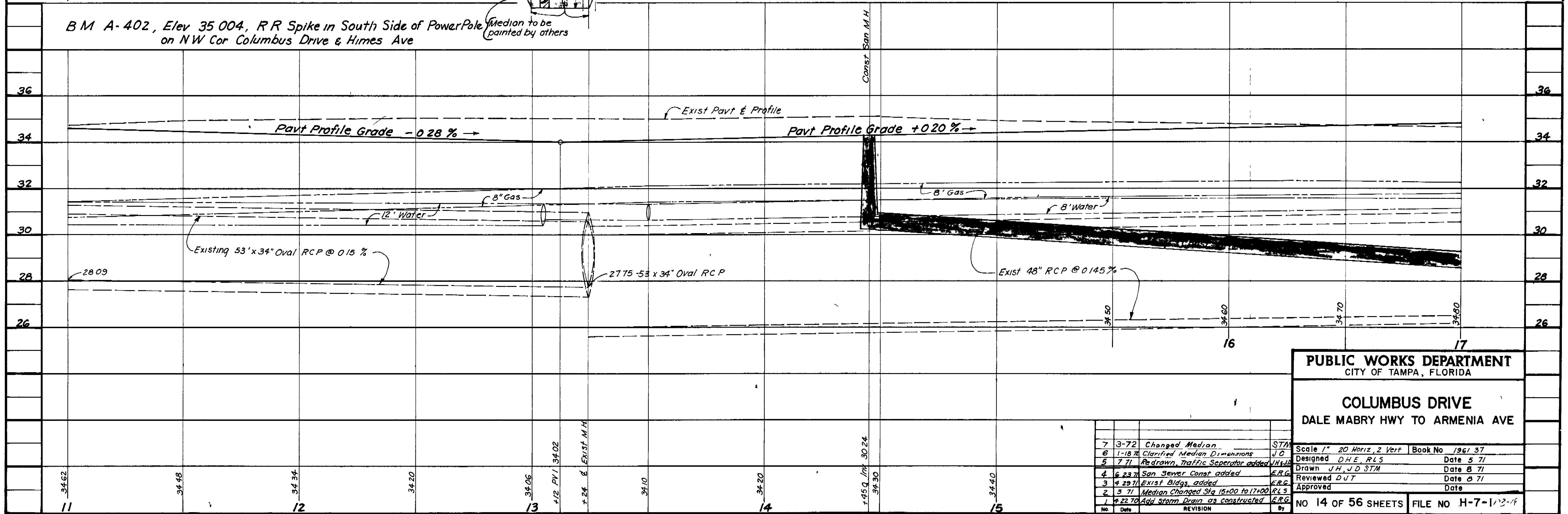
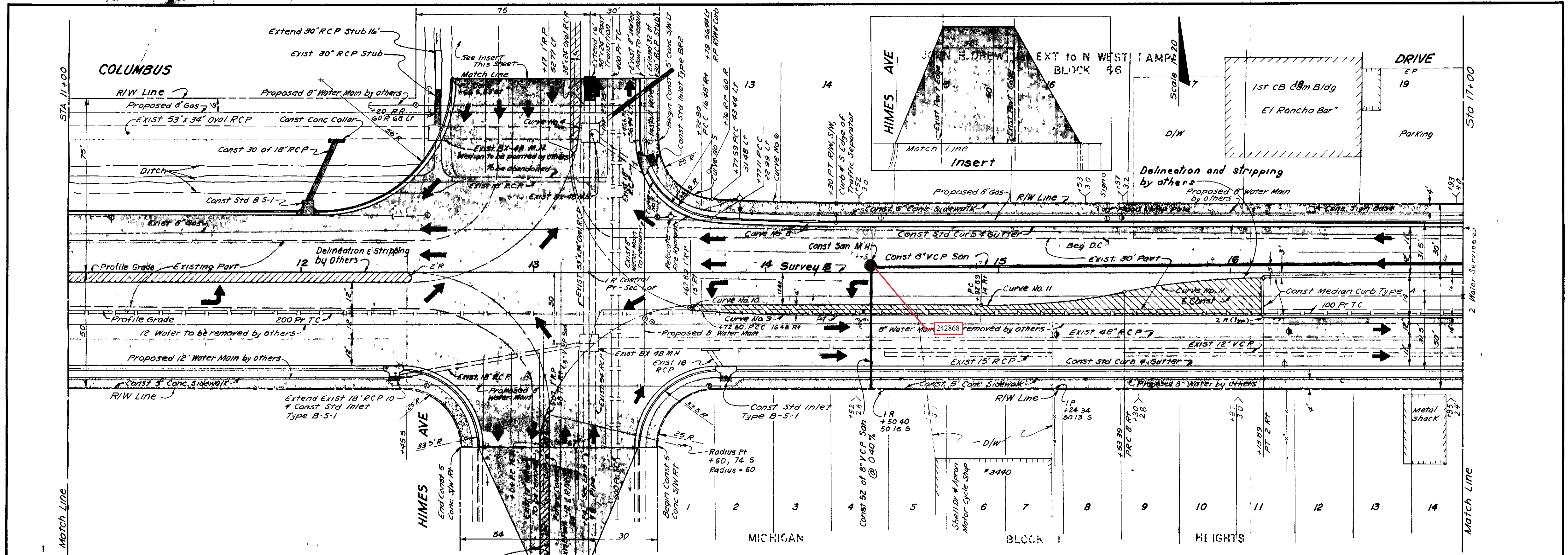
CITY OF TAMPA, FLORIDA
 THIRD SEWER REVENUE BOND PROGRAM

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

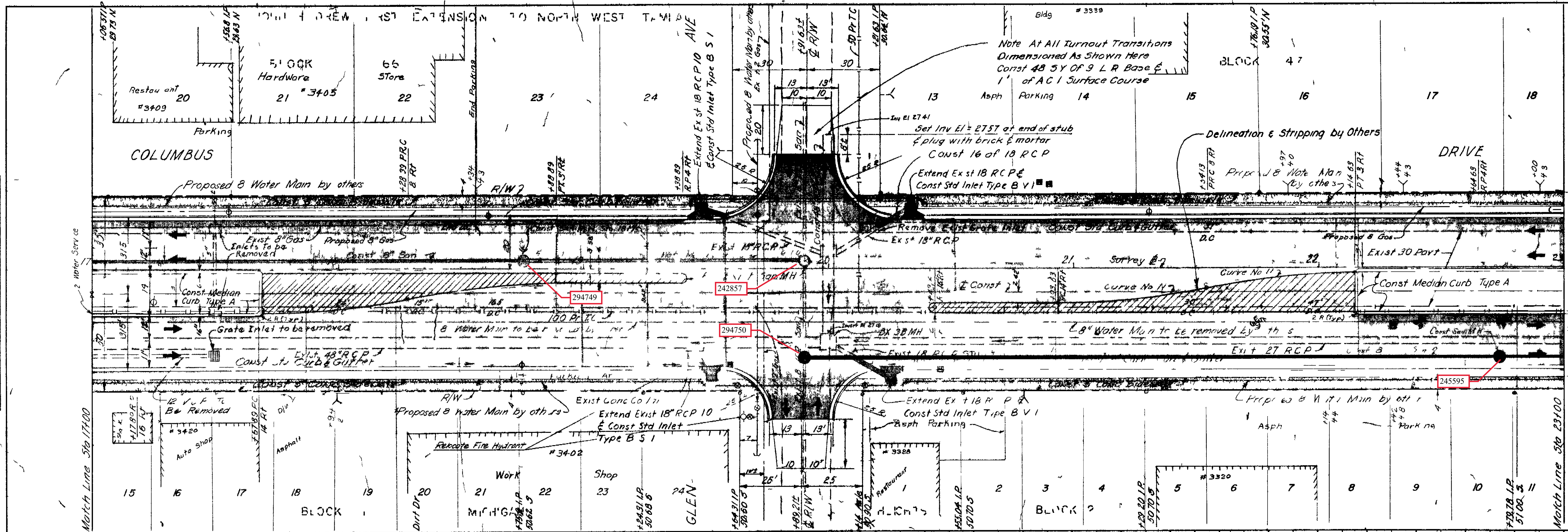


PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

COLUMBUS DRIVE
DALE MABRY HWY TO ARMENIA AVE

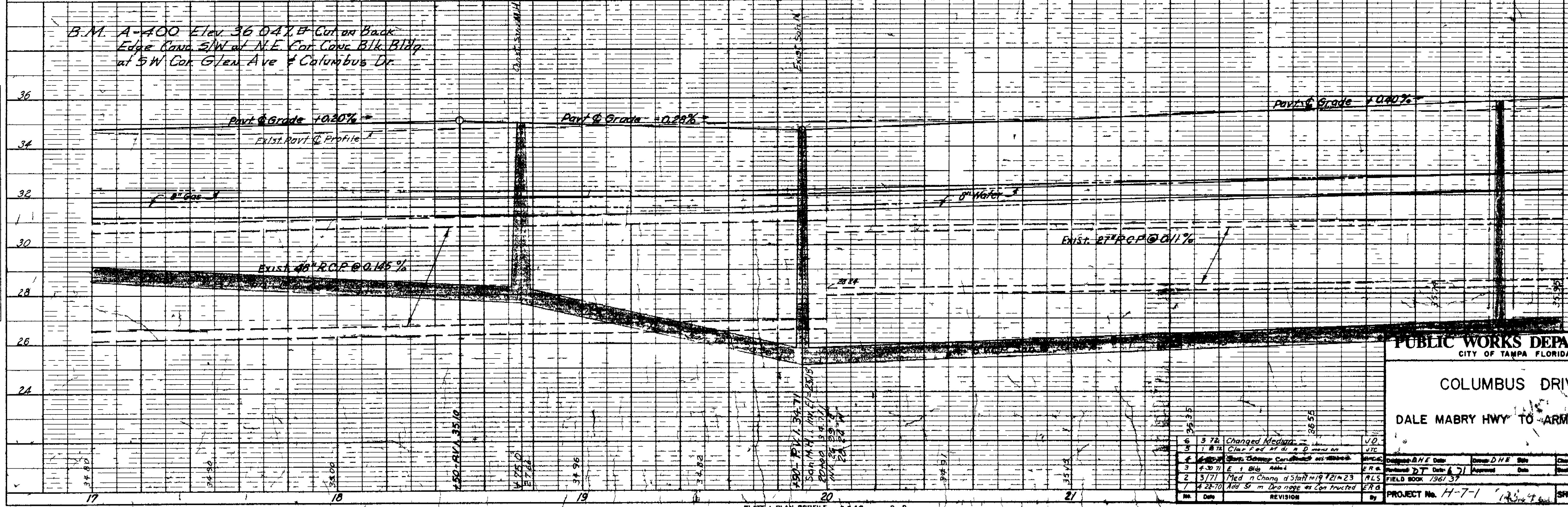
7	3-72	Changed Median	STM
6	1-18	Clarified Median Dimensions	J.D.
5	7-71	Redrawn, Traffic Separator added	J.H.J.
4	6-23	San Sewer Const added	ER.G.
3	7-29	Exist Bldgs added	ER.G.
2	3-71	Median Changed Sta 15+00 to 17+00	R.L.S.
1	7-22	Add Storm Drain as constructed	ER.G.
No.	Date	REVISION	By

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



PLAN	DATE
BY	
CHK	
DATE	

PROFILE	DATE
BY	
CHK	
DATE	



PUBLIC WORKS DEPARTMENT
CITY OF TAMPA FLORIDA

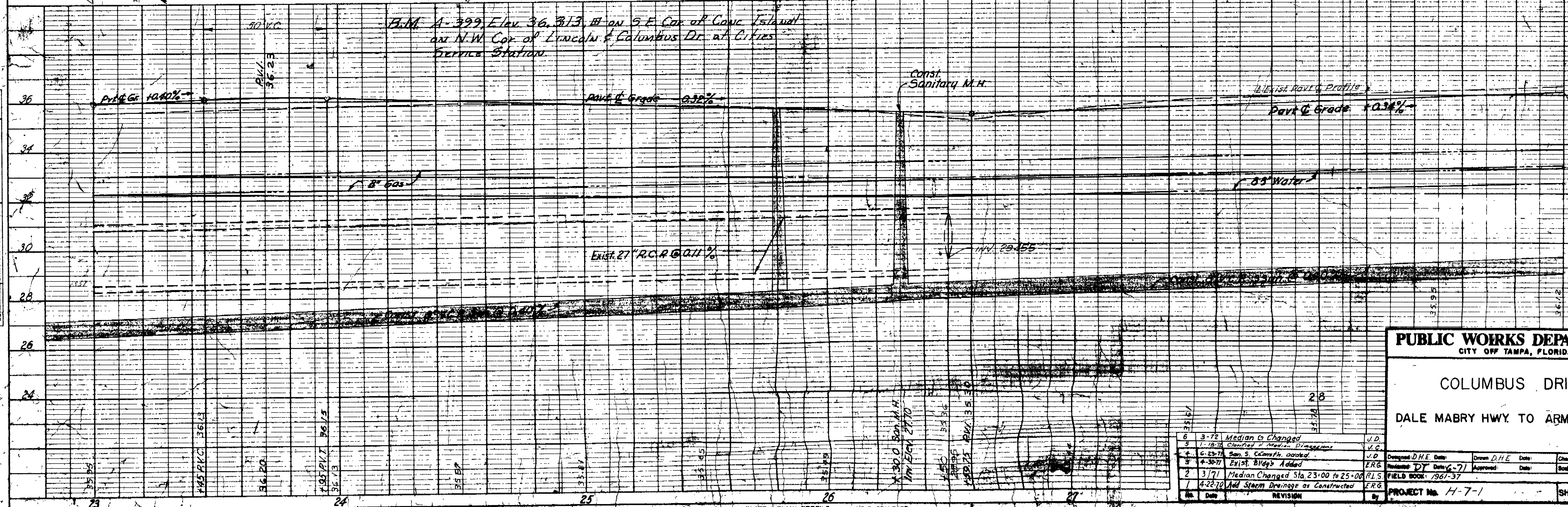
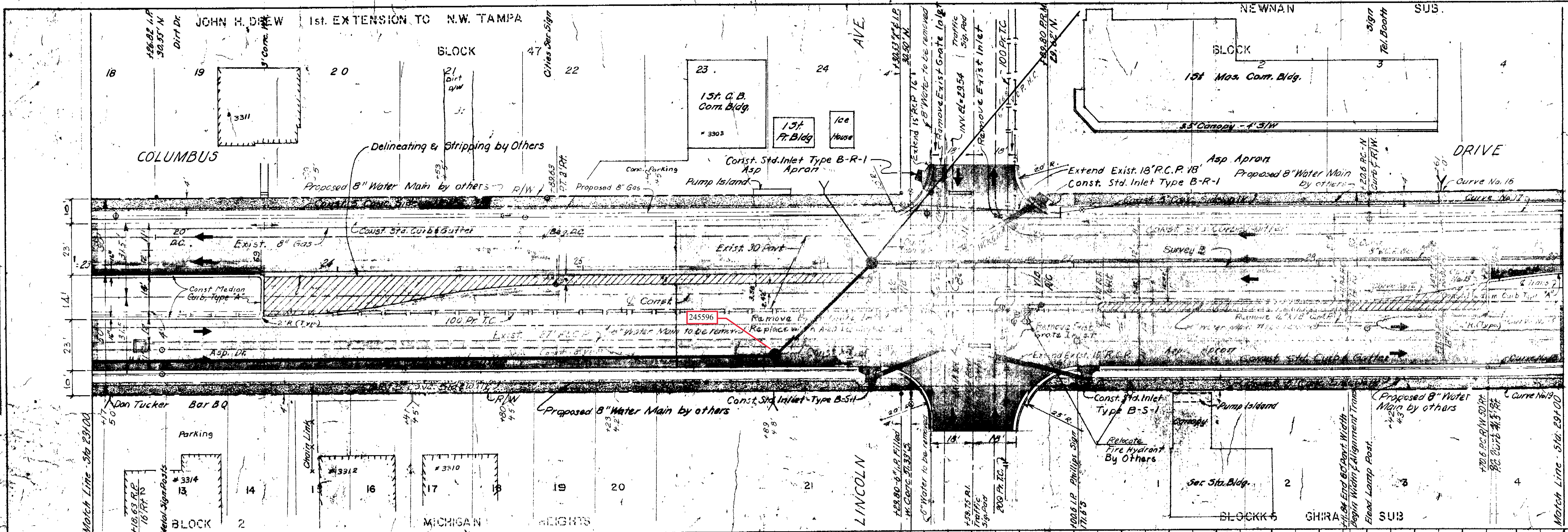
COLUMBUS DRIVE
DALE MABRY HWY TO ARMENIA AVE

3/78	Changed Median	J.D.
1/87	Clear End of D	UTC
4/77	Start Change Curvature	AVC
4/77	E 1 Blk. Added	F.R.A.
3/77	Med n Change d Start m 12m 23	A.L.S.
4/25/70	Add 5m Dia pipe ex Con. Trucked	E.R.A.

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

PLATE 1 PLAN PROFILE
SCALE: 1" = 40'
DATE: 12/6/37

Scale: 1" = 20'



PLAN

DATE: 6/27/71

BY: JHE

CHECKED: JHE

APPROVED: JHE

SCALE: 1" = 20'

PROFILE

DATE: 6/27/71

BY: JHE

CHECKED: JHE

APPROVED: JHE

SCALE: 1" = 20'

PUBLIC WORKS DEPARTMENT
CITY OF TAMPA, FLORIDA

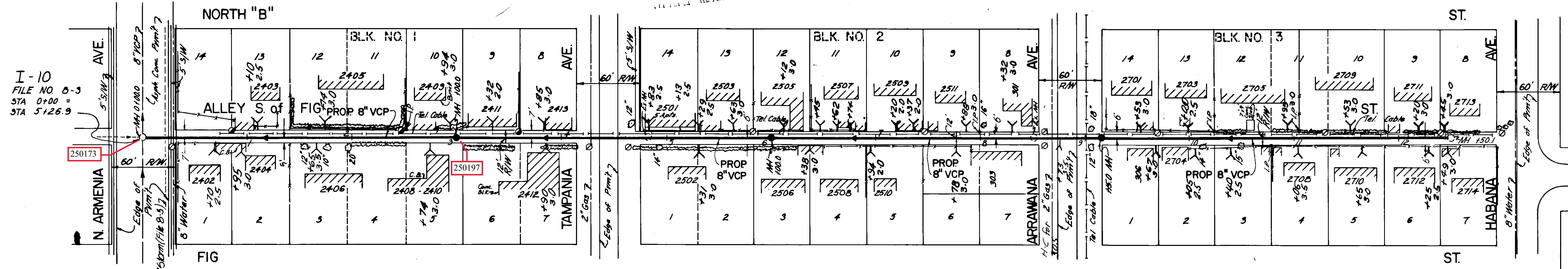
COLUMBUS DRIVE
DALE MABRY HWY TO ARMENIA AVE.

6	3-77	Median is Changed	J.D.
5	1-76	Clarified Vertical Alignment	J.D.
4	6-75	San. S. Comply. added	J.D.
3	4-75	Exist. Bldgs. Added	ERB
2	3-75	Median Changed Sta. 23+00 to 25+00	PLS
1	4-72	Add Storm Drainage as Constructed	ERB

DESIGNED: D.H.E. DATE: 6-71
DRAWN: D.H.E. DATE: 6-71
CHECKED: JHE DATE: 6-71
APPROVED: JHE DATE: 6-71

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

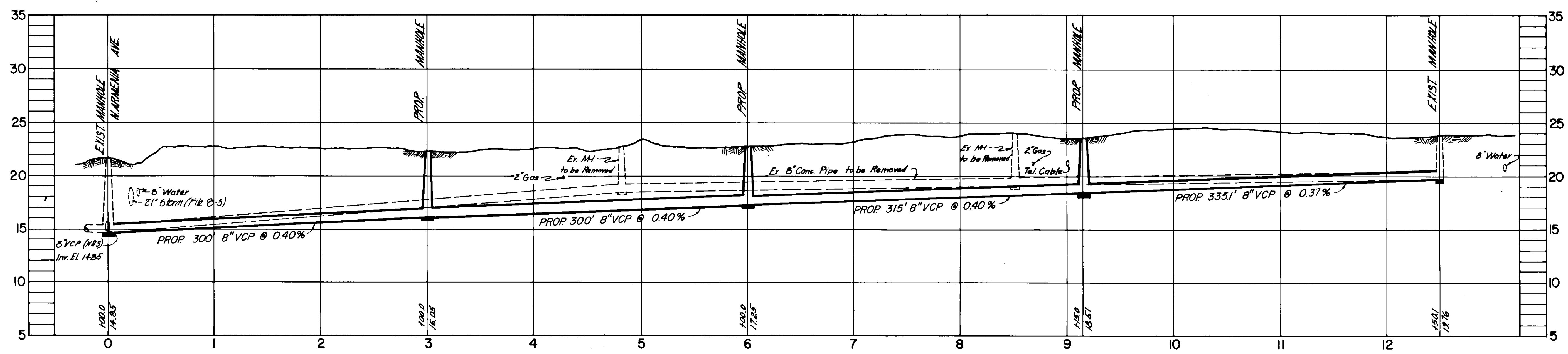
SEWER LINE
LOCATION
TERRA NOVA (REV)



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.



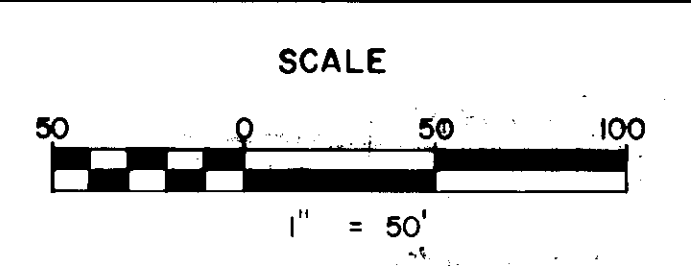
PROFILE
WO 7750

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	APPROVED BY	<table border="1"> <thead> <tr> <th>NO</th> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> </tbody> </table>	NO	DATE	REVISIONS	1			2			3			4			5		
NO	DATE		REVISIONS																	
1																				
2																				
3																				
4																				
5																				
DRN: 28	<i>J.W. Silliman</i>																			
CKD: M.J.A.	J.W. SILLIMAN, P.E., DIRECTOR																			
DATE: SEPT. 1976	DEPARTMENT OF SANITARY SEWERS																			

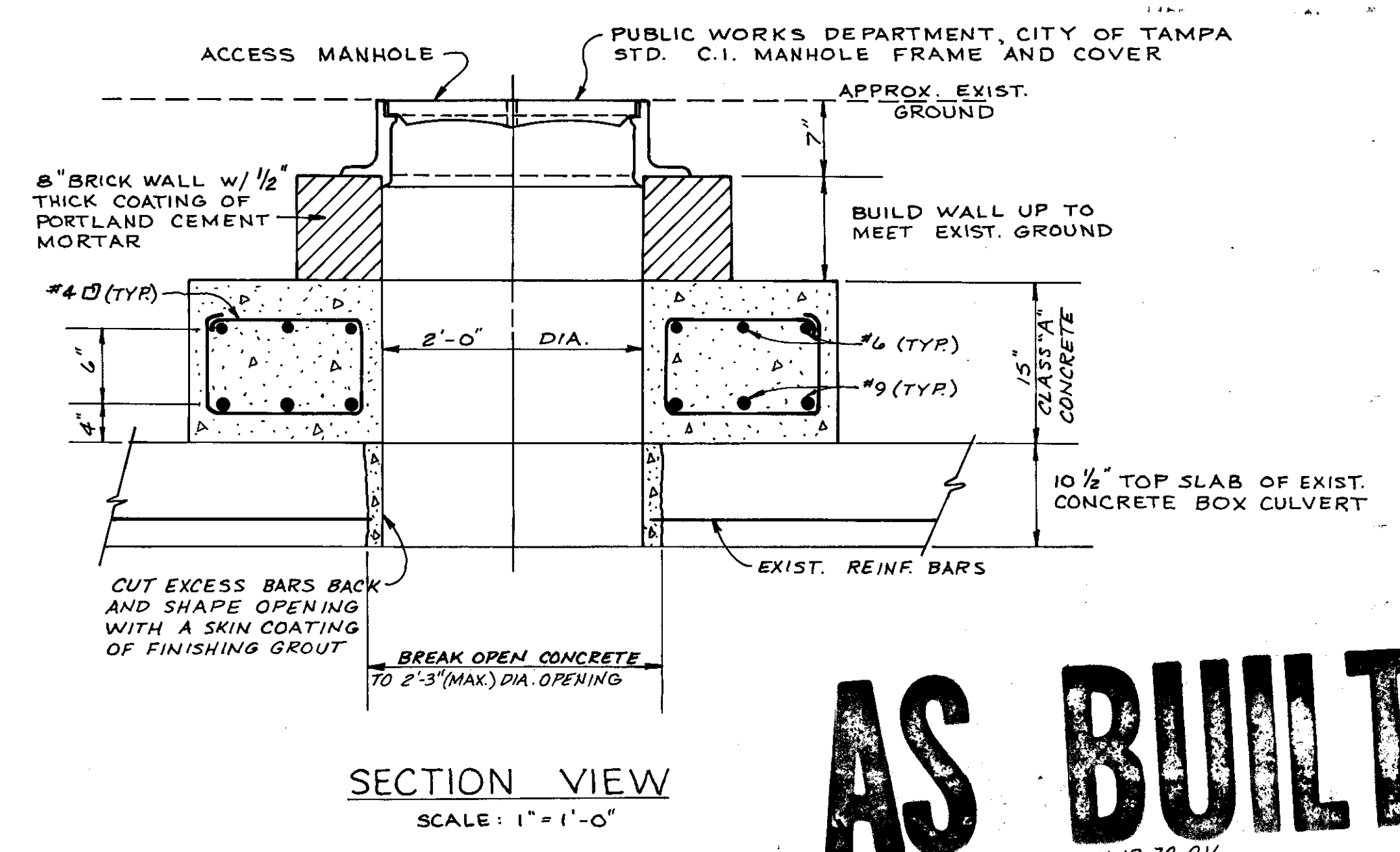
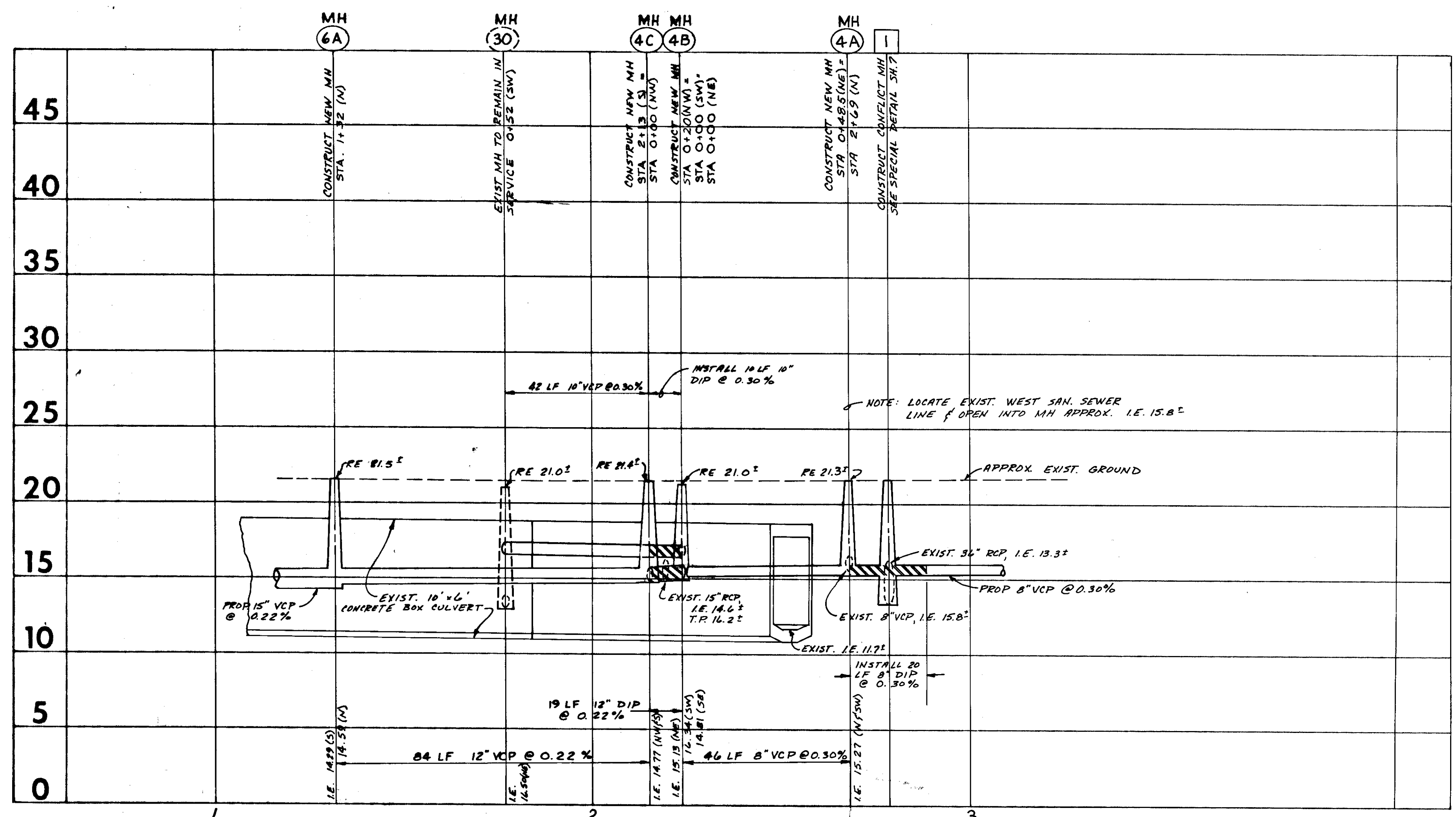
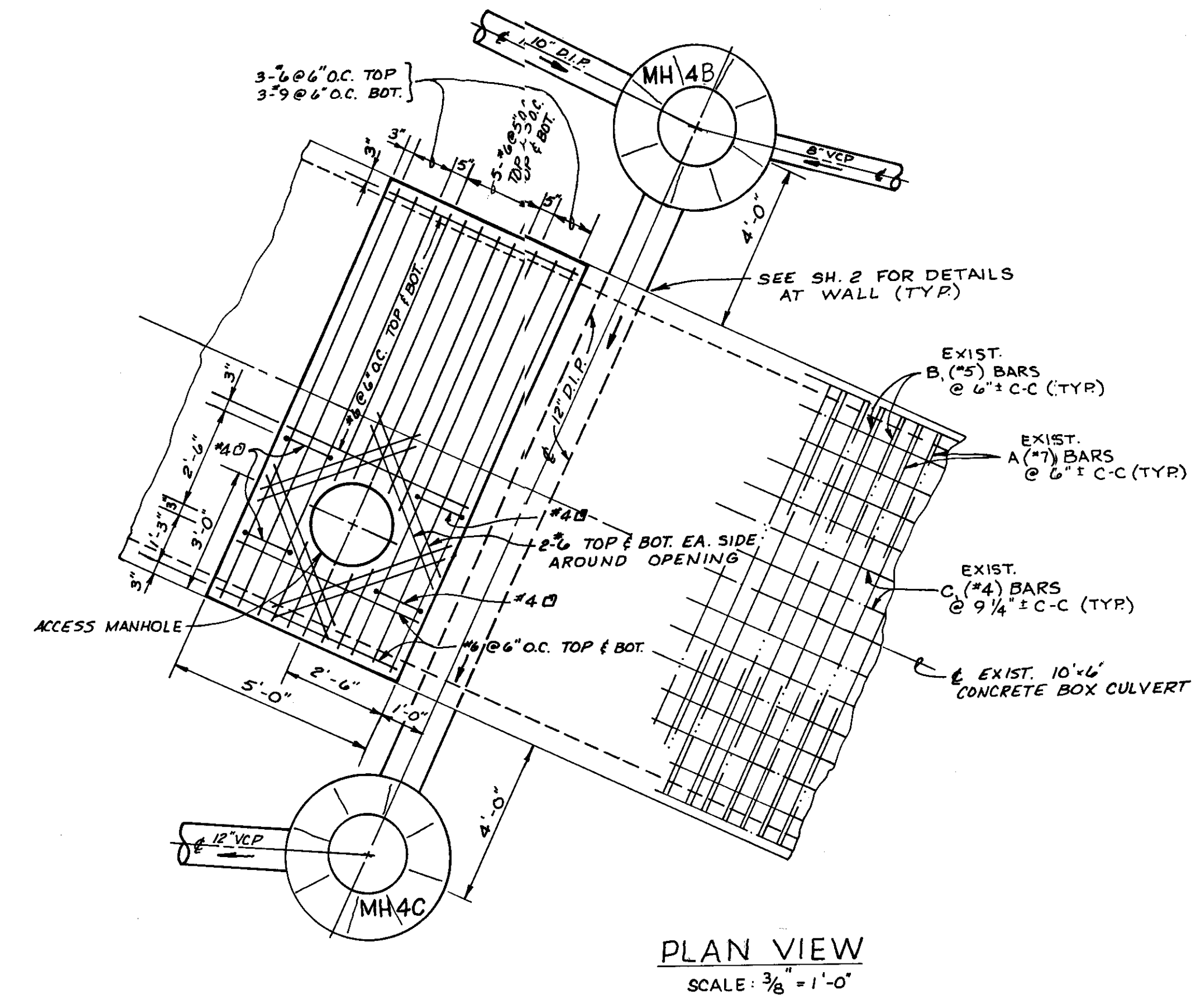
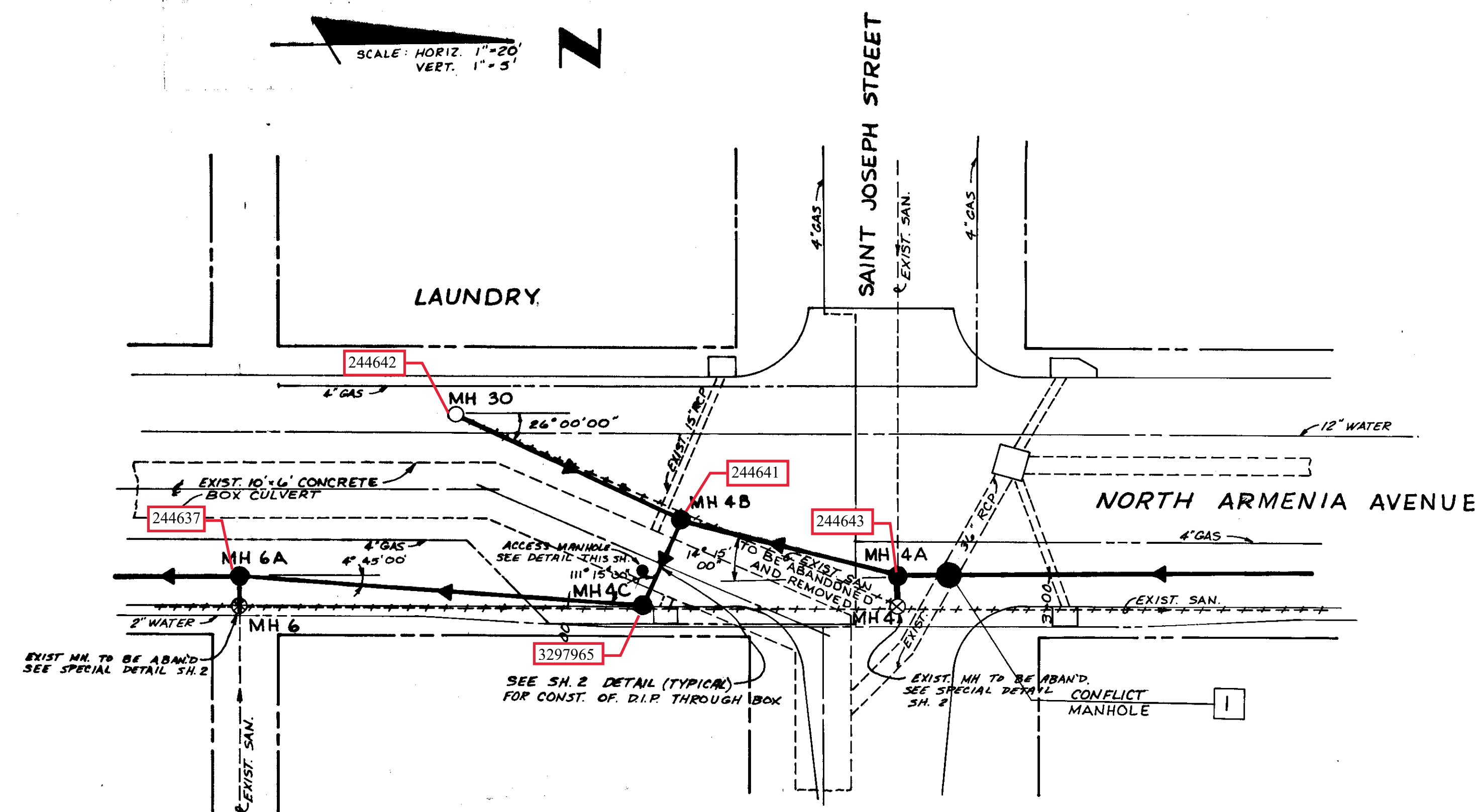


DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENT

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

SHEET

139-45



AS BUILT
Manhole Locations 11-13-79 CV.

CONFLICT CROSSING, BOX CULVERT, AND ACCESS MANHOLE

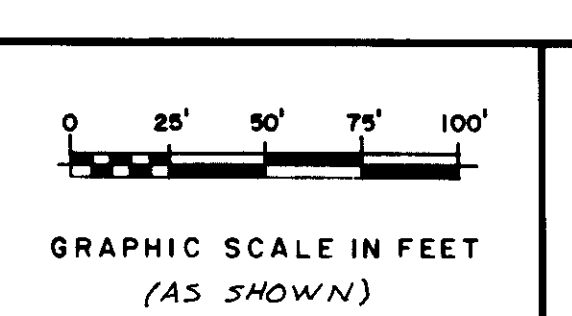
DESIGN E.F.R.
DRAWN E.F.R.
CHECKED D.F.C.
DATE JAN. 12, 1979

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

8	
7	
6	
5	
4	
3	
2	
1	
NO	DATE
	REVISION



W.O. 5410

DEPARTMENT OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA

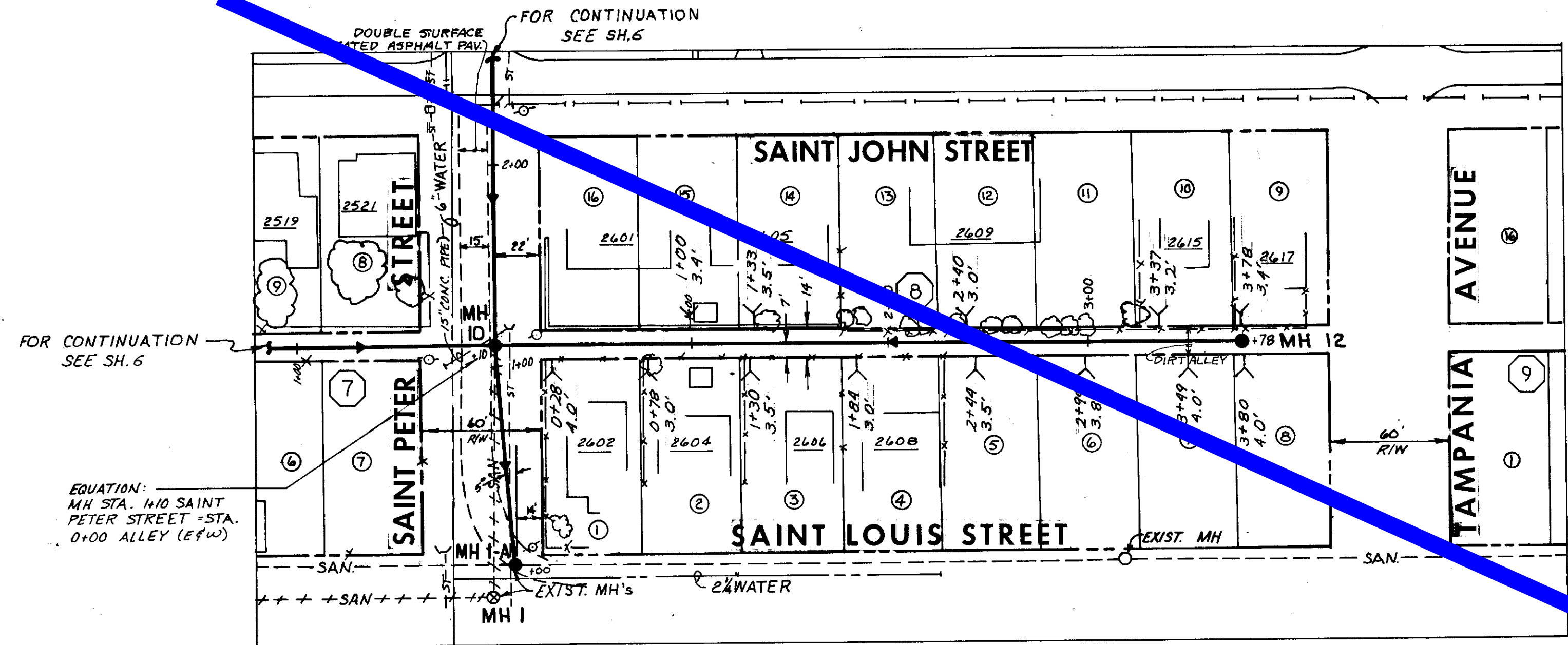
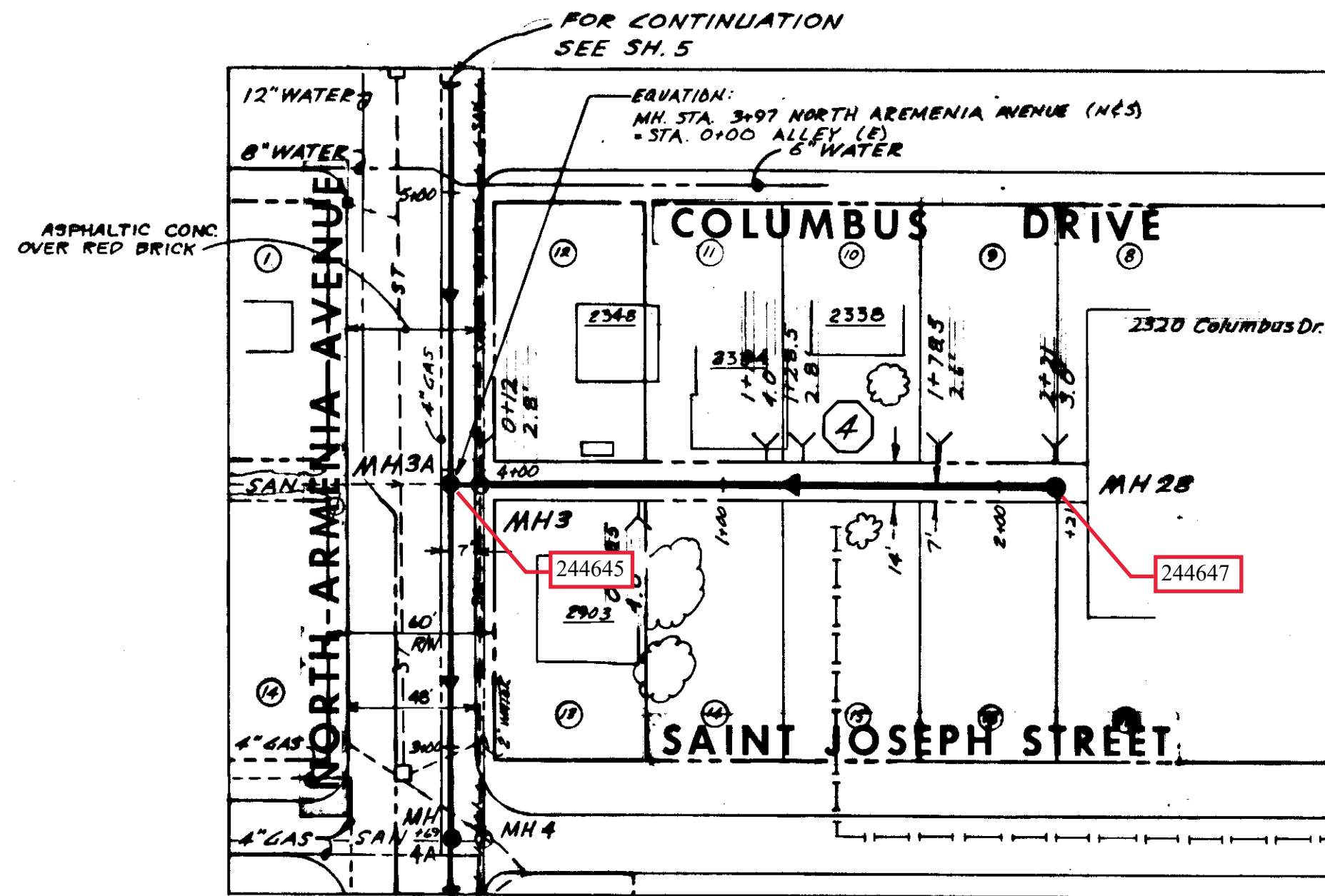
NORTH ARMENIA AVENUE SANITARY SEWER
CONFLICT CROSSING DETAILS

SHEET
SUPPLEMENTAL
OF 1A

150-2

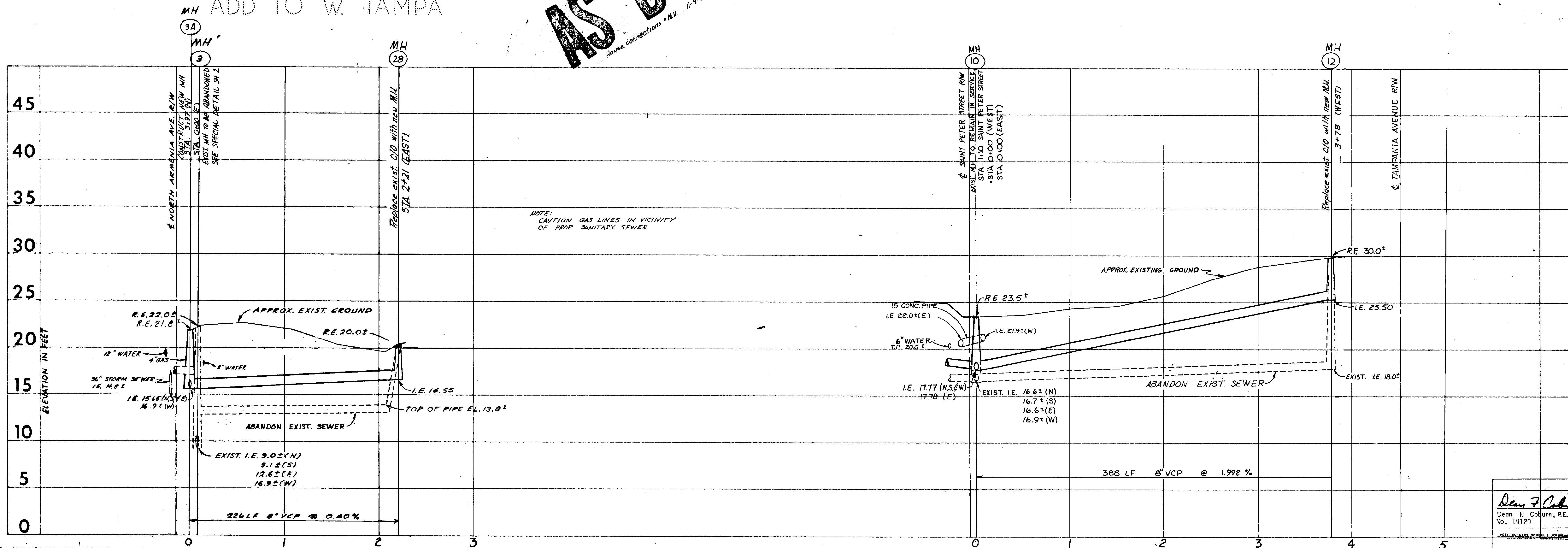
BOUTON & SKINNER
ADD TO W. TAMPA

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.

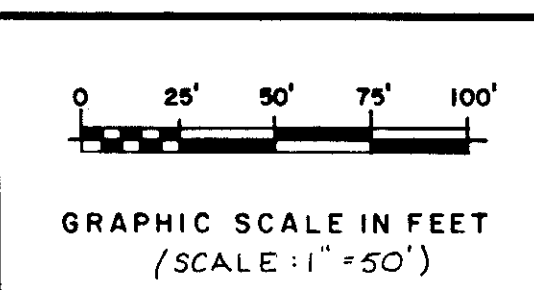
DESIGN E.L.
DRAWN E.F.P.
CHECKED D. COBURN
DATE MARCH, 1978

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

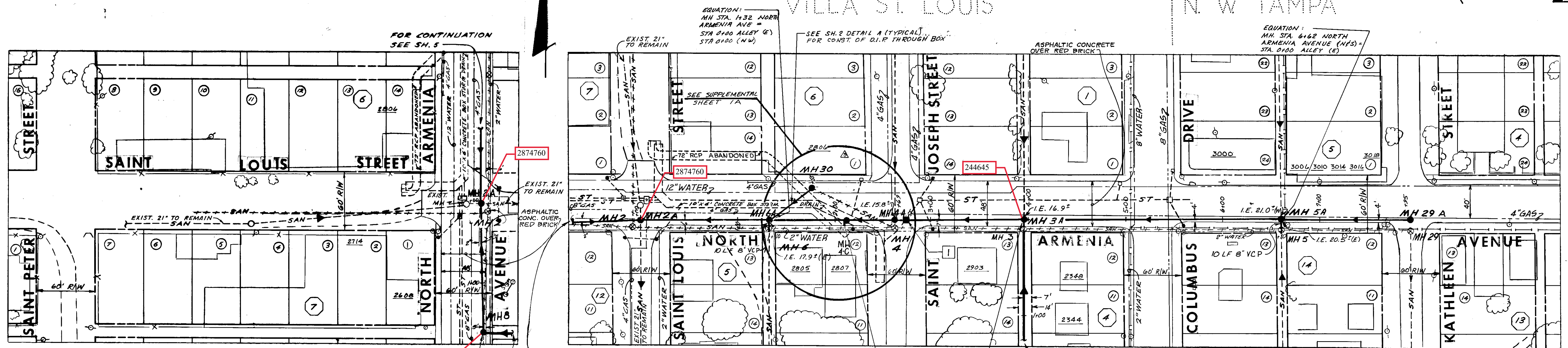
ALLEY SOUTH OF COLUMBUS DRIVE - EAST FROM
ALLEY SOUTH OF SAINT LOUIS STREET - WEST FROM SAINT PETER STREET

150-5

VILLA ST LOUIS

VILLA ST LOUIS

N. W TAMPA

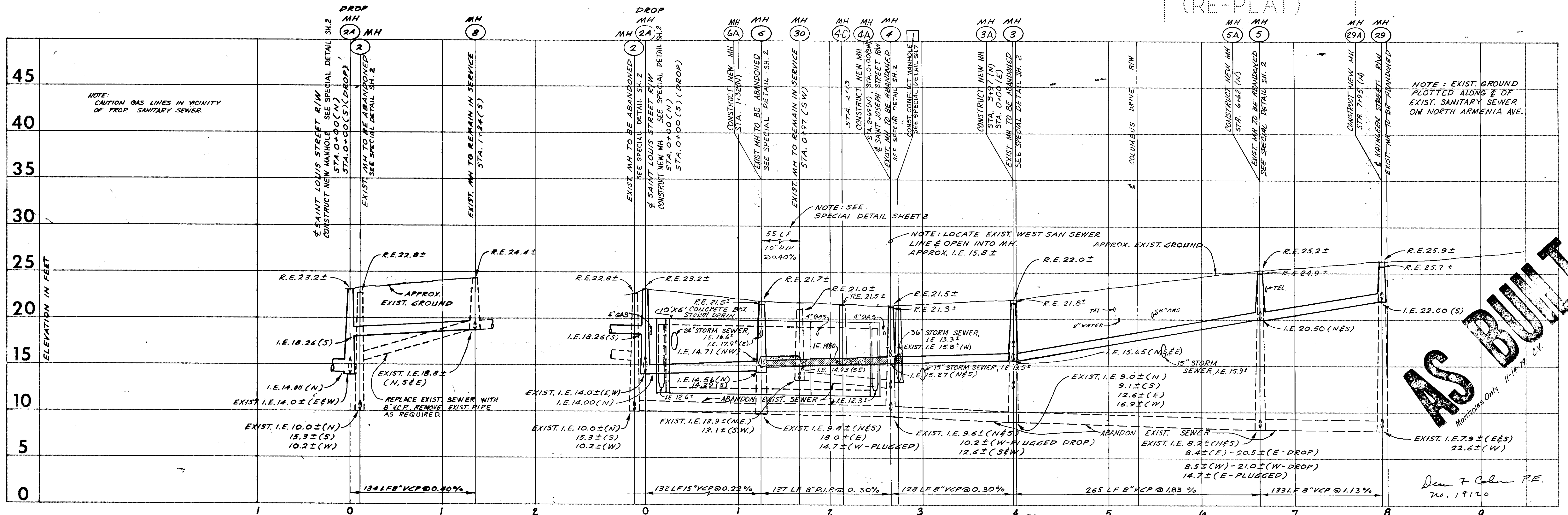


VILLA ST LOUIS

VILLA ST LOUIS

MITCHELL & SHEPARD (RE-PLAT)

N. W TAMPA

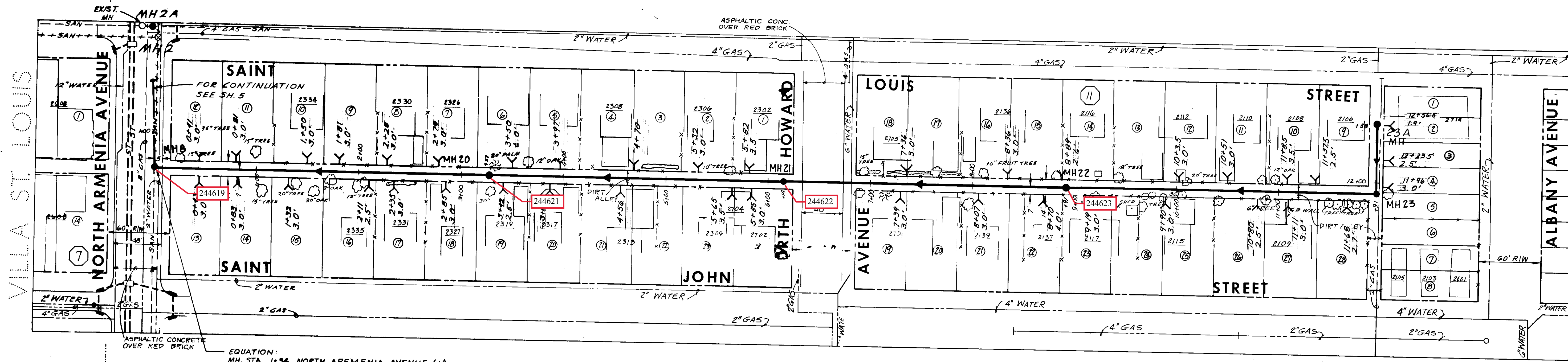


AS BUILT
 Manholes Only 11-14-79 C.V.

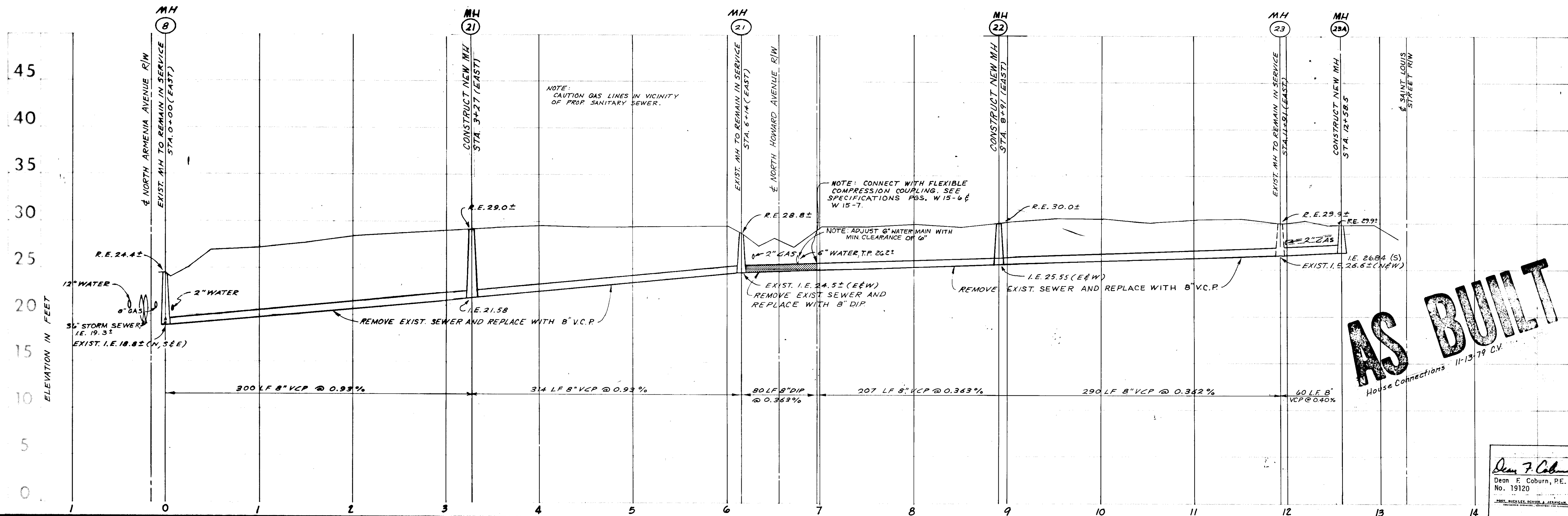
Drawn by *F. Colman* P.E.
 No. 19120

DESIGN E.P.R. DRAWN W. TURNER CHECKED D. COURN DATE MARCH, 1976	P B POST, BUCKLEY, SCHUH & JERNIGAN, INC. S J	Approved By: <i>[Signature]</i> Elton G. Smith, P.E., No. 19872 CHIEF ENGINEER DEPT. OF SANITARY SEWERS	Approved By: <i>[Signature]</i> J.W. Silliman, P.E., Director DEPT. OF SANITARY SEWERS	6 SUPPLEMENT SHEET 1A	0 25' 50' 75' 100' GRAPHIC SCALE IN FEET (SCALE = 1" = 50')	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
				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			

BOUTON & SKINNER ADD TO W. TAMPA



BOUTON & SKINNER ADD TO W. TAMPA



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

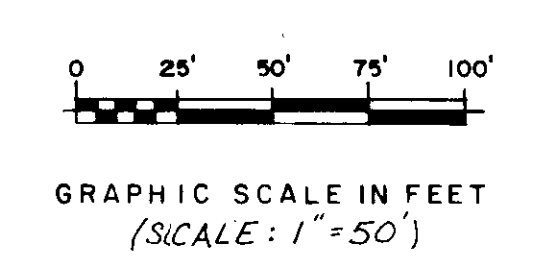
DESIGN: E.F.P.
DRAWN: W. TURNER
CHECKED: D. COBURN
DATE: MARCH, 1978

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

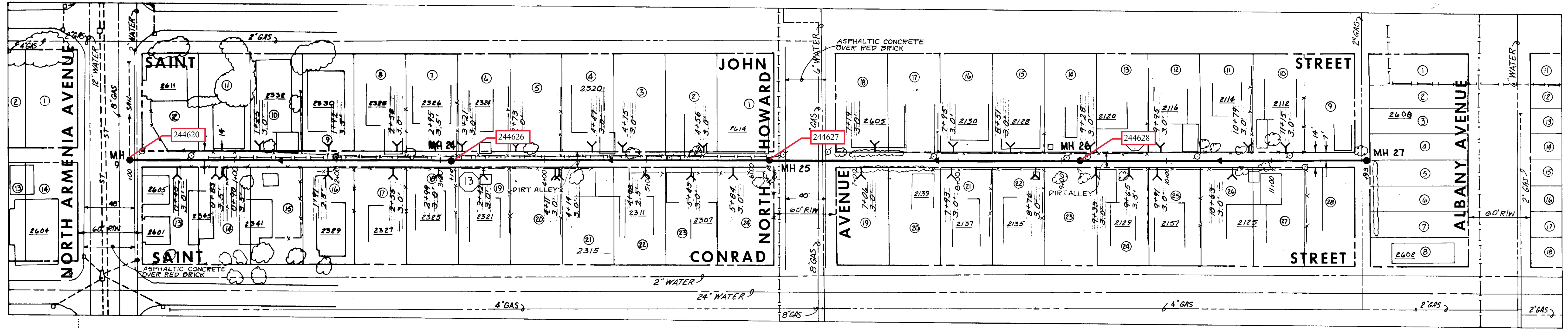
Dean F. Coburn
Dean F. Coburn, P.E.
No. 19120

SHEET 8
OF 12

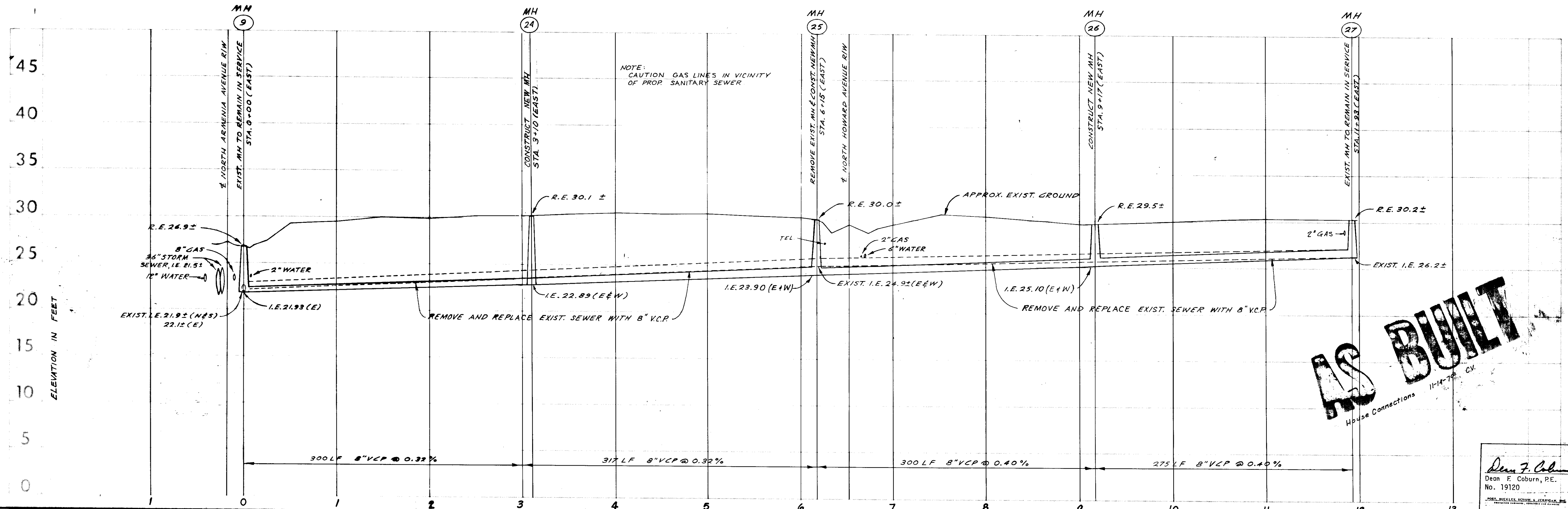
150-9

BOUTON & SKINNER ADD TO W. TAMPA

VILLA ST LOUIS



BOUTON & SKINNER ADD TO W. TAMPA

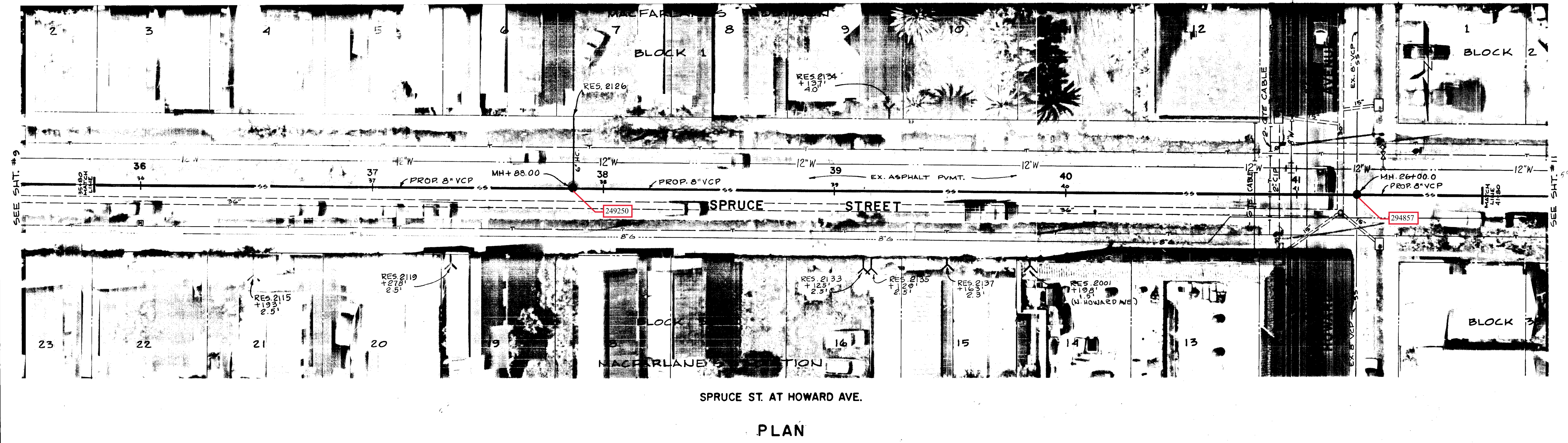


AS BUILT
House Connections 11-14-78, CV.

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

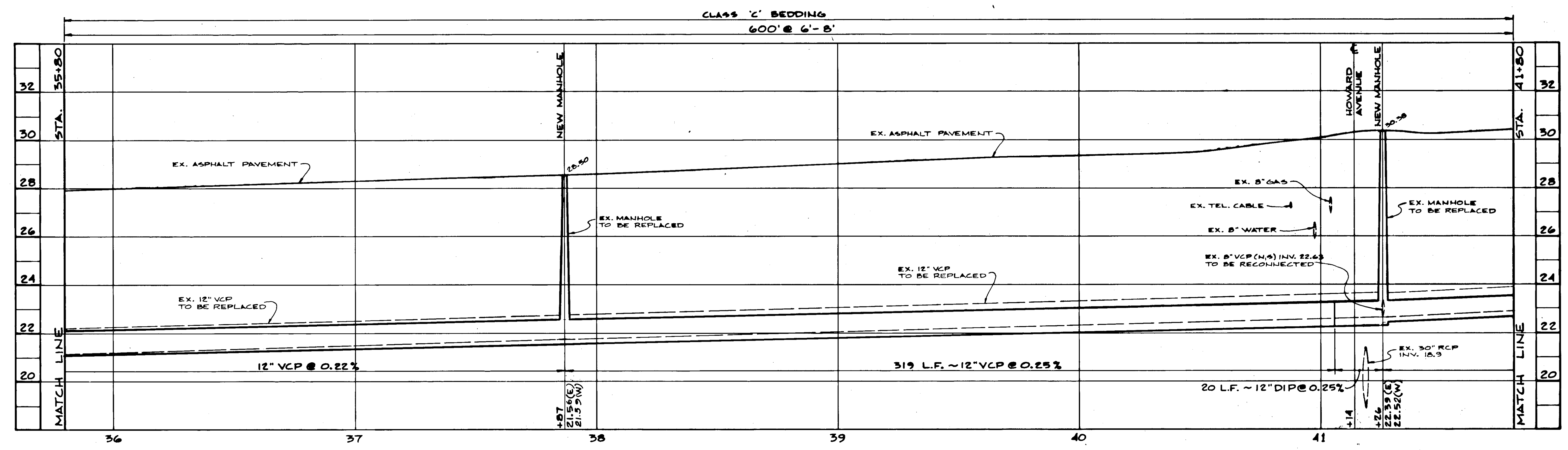
DESIGN: EFP	P B POST, BUCKLEY, SCHUH & JERNIGAN, INC. 	Approved By: J.W. Silliman, P.E., Director DEPT. OF SANITARY SEWERS	6		GRAPHIC SCALE IN FEET (SCALE: 1" = 50')	DEPARTMENT OF SANITARY SEWERS CITY OF TAMPA, FLORIDA ALLEY SOUTH OF SAINT JOHN STREET-EAST FROM NORTH ARMENIA AVENUE	SHEET 9 OF 12
DRAWN: 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

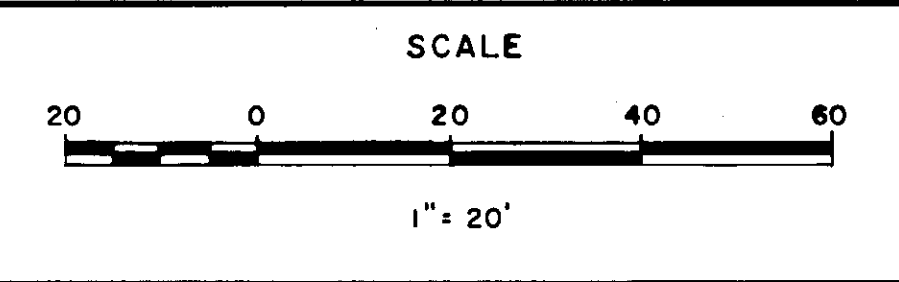
AS BUILT
 06-8-85

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

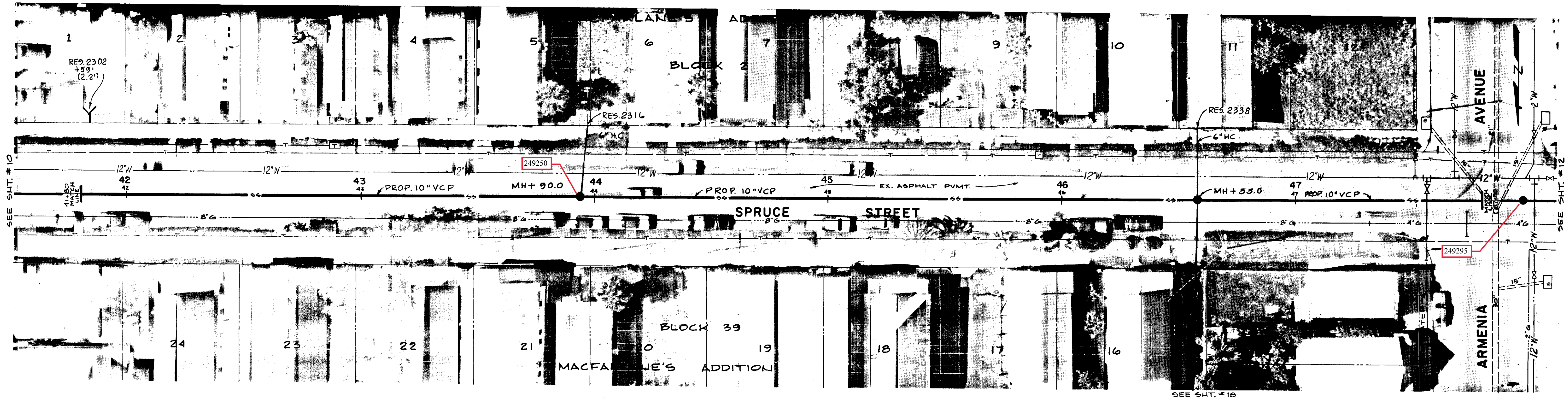


DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 WEST TAMPA NEIGHBORHOOD SEWER PROJECT

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

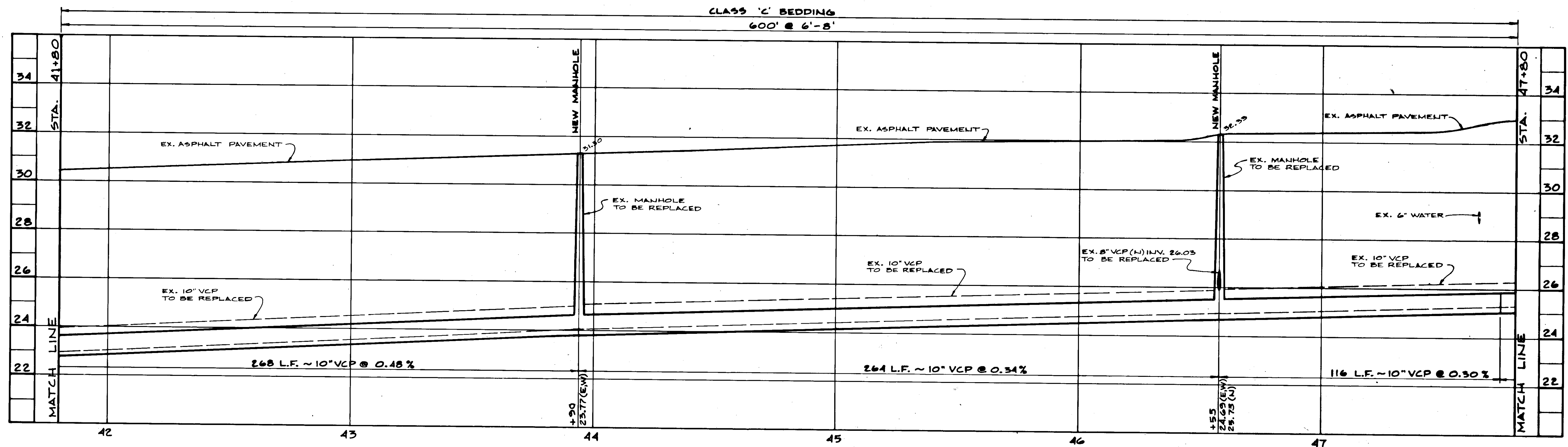
SHEET 10 OF 22

C181-34



SPRUCE ST. EAST OF ARMENIA AVE.

PLAN



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

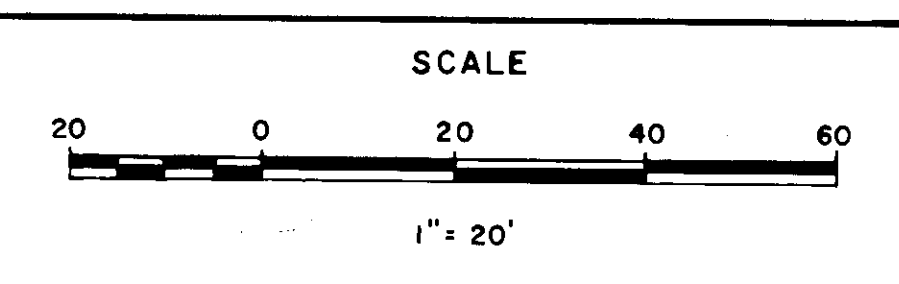
AS BUILT
12 8-C-85

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

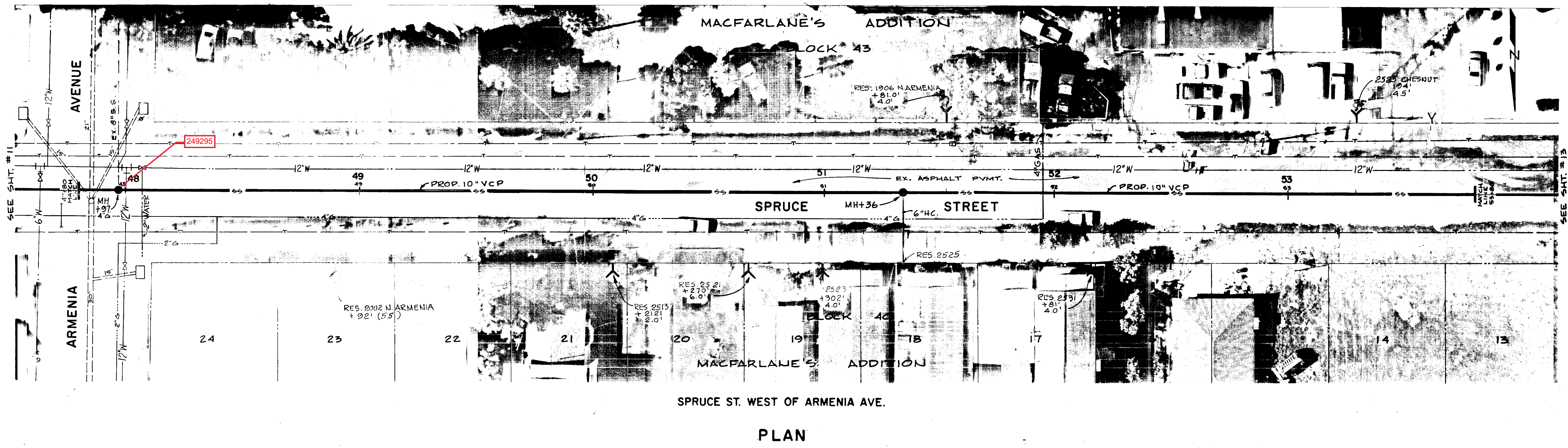


DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

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

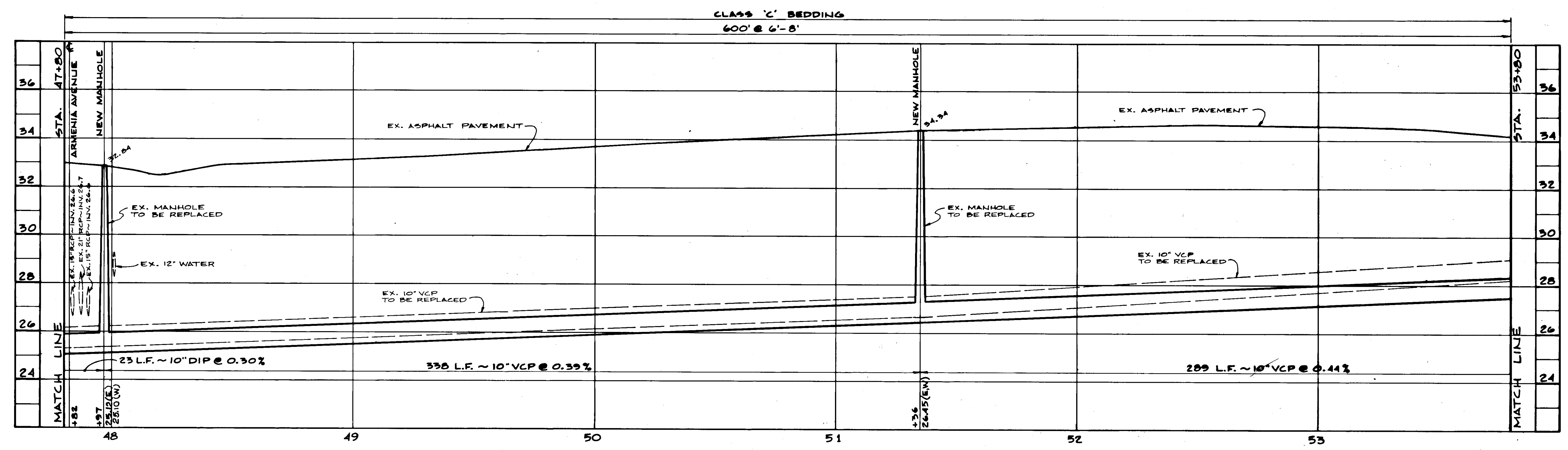
SHEET
11
OF 22

C181-35



SPRUCE ST. WEST OF ARMENIA AVE.

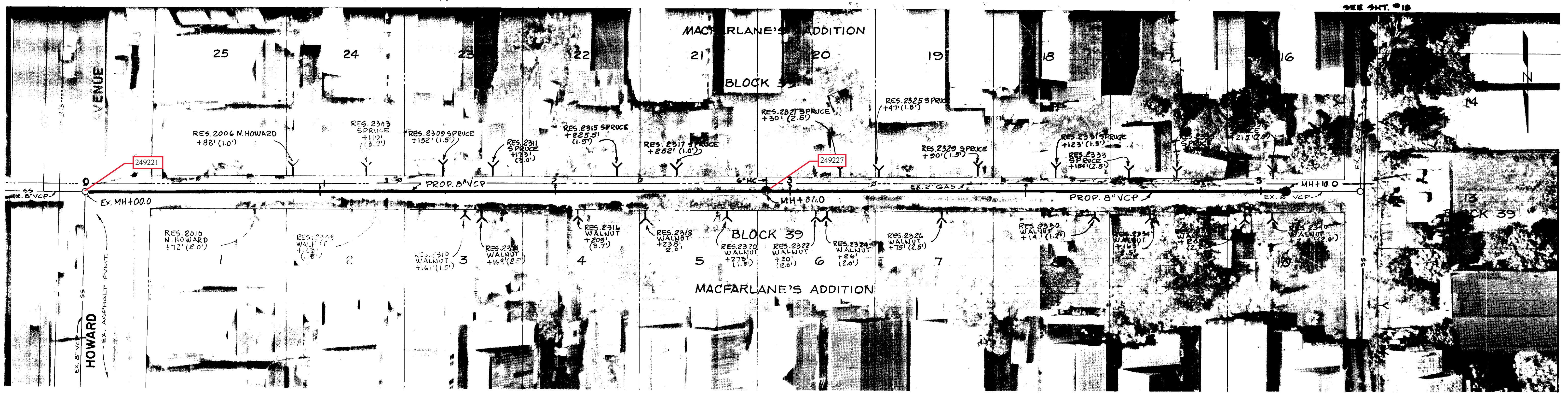
PLAN



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

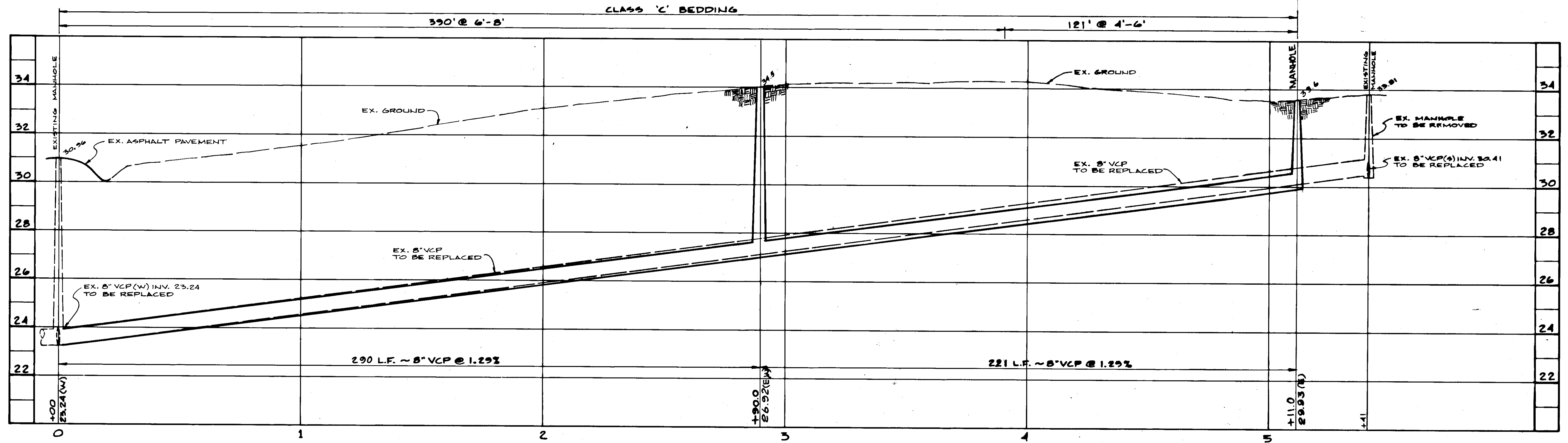
AS BUILT
C181-36

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: 8-27-85	APPROVED BY: ELTON G. SMITH, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	REVISIONS							<table border="1"> <tr> <td>20</td> <td>0</td> <td>20</td> <td>40</td> <td>60</td> </tr> <tr> <td colspan="5" style="text-align: center;">1" = 20'</td> </tr> </table>	20	0	20	40	60	1" = 20'					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
		NO.	DATE	REVISIONS																							
20	0	20	40	60																							
1" = 20'																											



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

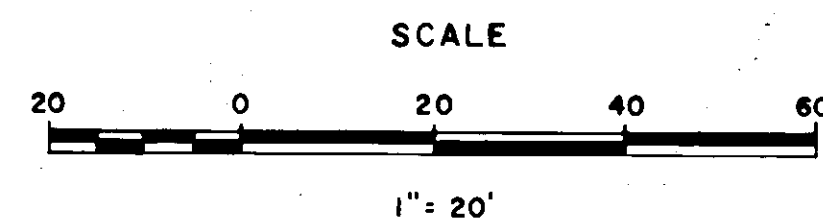
REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

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

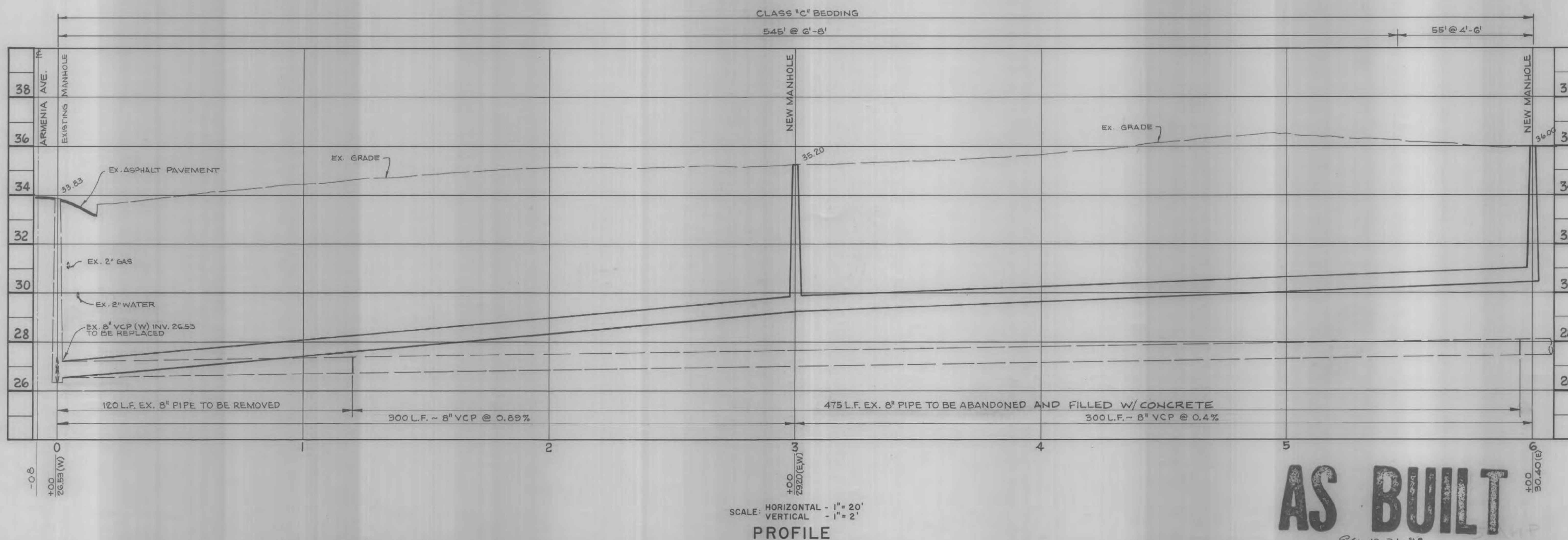
PLAN & PROFILE
ALLEY BETWEEN SPRUCE ST. & WALNUT ST.
WEST OF HOWARD AVE.
STA. 0+00 to STA. 4+85

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.		DATE: OCT. 83						

209-11

SEE SHT. No. 14



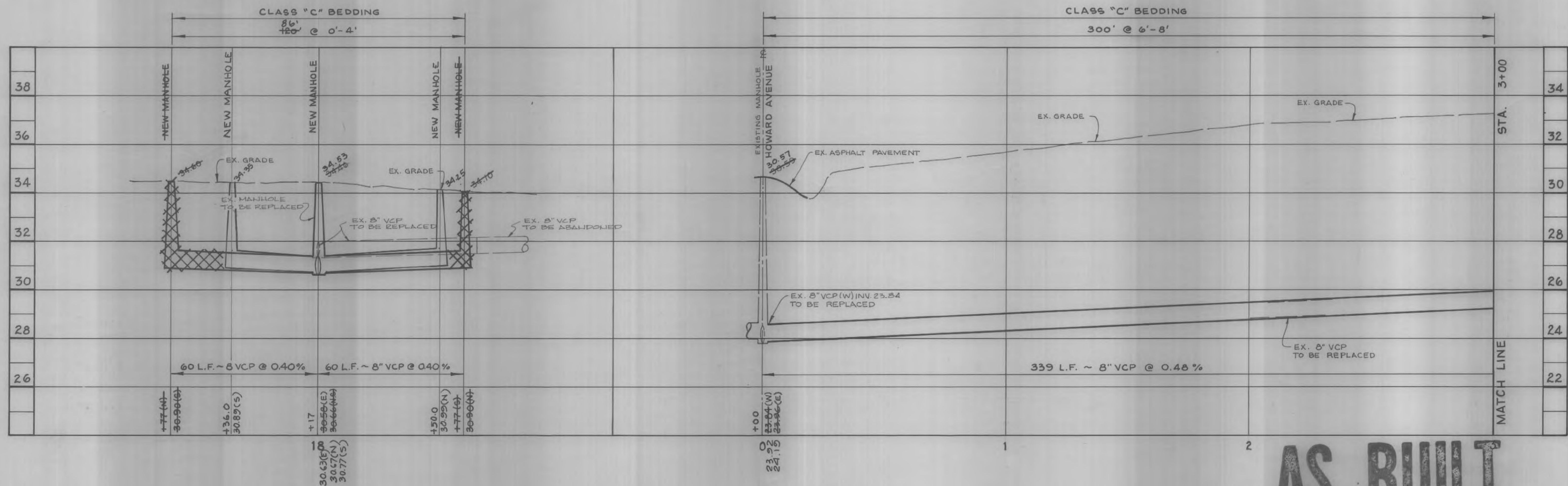
ALLEY BETWEEN SPRUCE ST. AND CHESTNUT ST.
NORTH OF CHESTNUT ST. AND EAST OF MACDILL AVE.

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

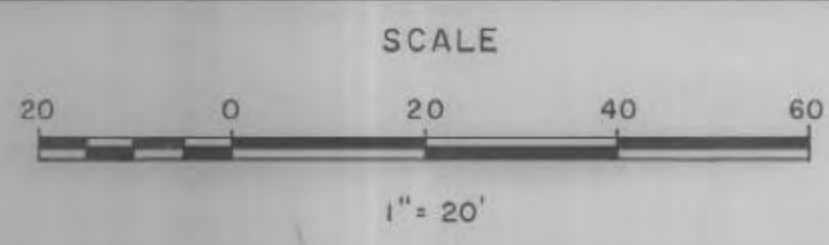
REYNOLDS, SMITH AND HILLS
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INCORPORATED
TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #13788

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

DEPARTMENT OF SANITARY SEWERS
ELTON G. SMITH, DIRECTOR
RALPH L. METCALF, II, CHIEF ENGINEER

NO.	DATE	REVISIONS

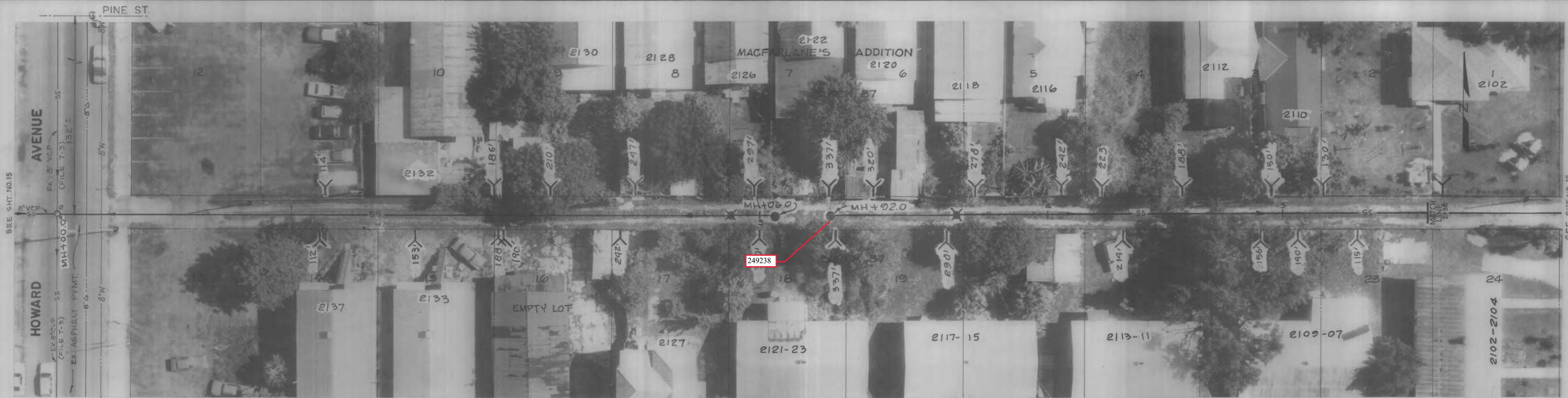


DEPARTMENT OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

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

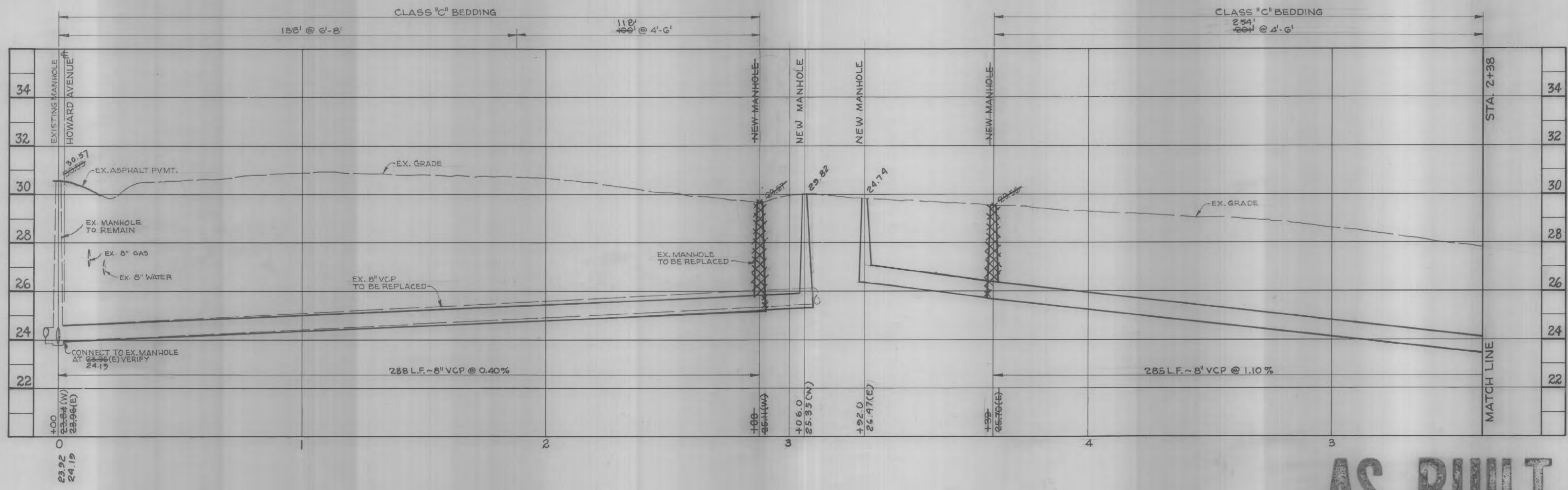
SHEET
15
OF 24

209-15



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



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

PROFILE

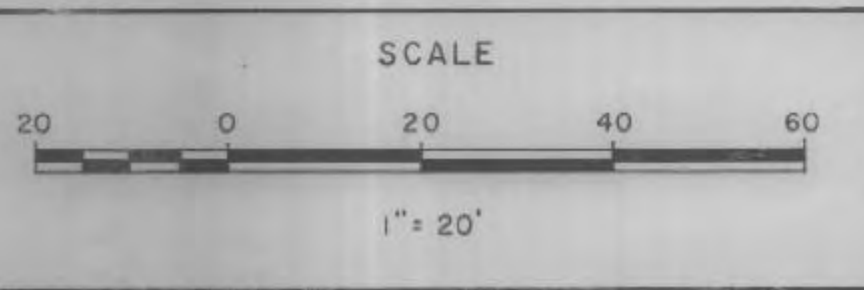
AS BUILT
06-10-21-87

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TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #3768

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

NO.	DATE	REVISIONS
1		
2		
3		
4		



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

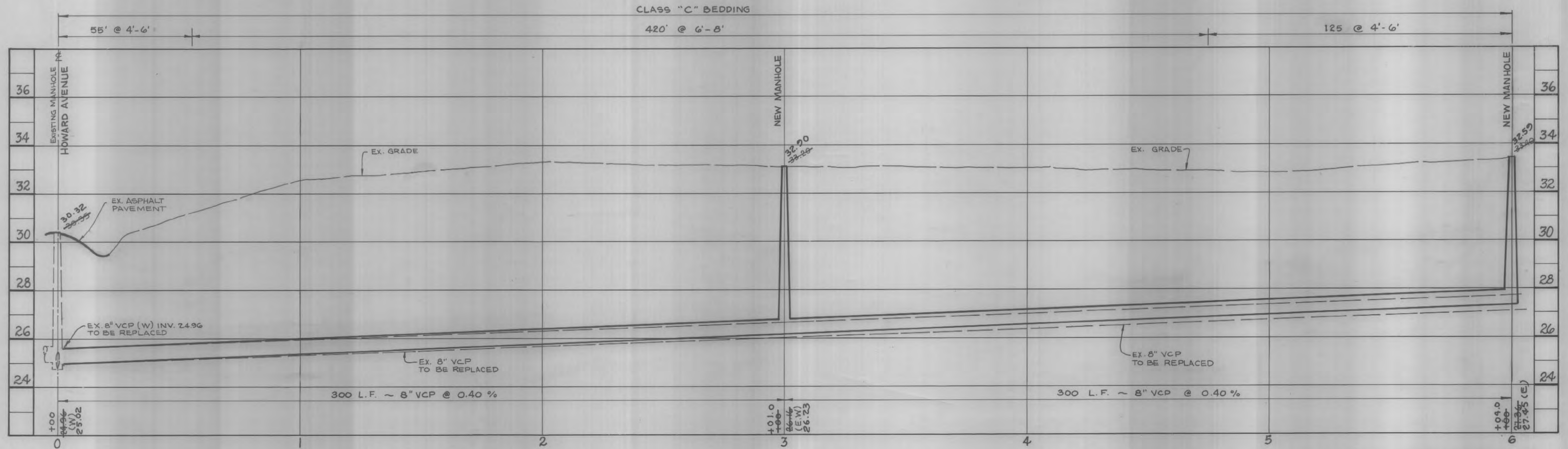
PLAN & PROFILE
ALLEY BETWEEN PINE ST. & WALNUT ST.
EAST OF HOWARD AVE. - STA. 0+00 to STA. 2+88
WEST OF ALBANY AVE. - STA. 2+38 to STA. 4+39

SHEET
19
OF 24

209-19



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



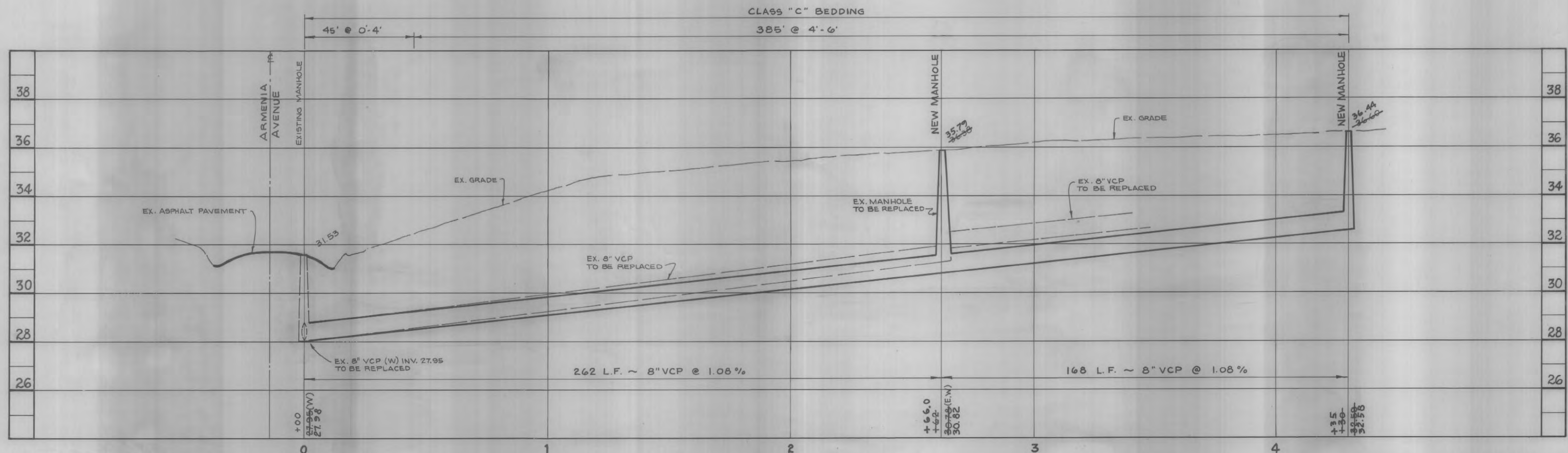
SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'
PROFILE

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.	DEPARTMENT OF SANITARY SEWERS ELTON G. SMITH, DIRECTOR RALPH L. METCALF, II, CHIEF ENGINEER	NO.	DATE	REVISIONS	SCALE 	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
		DRN. S.M.T.		DATE: OCT. 83						



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



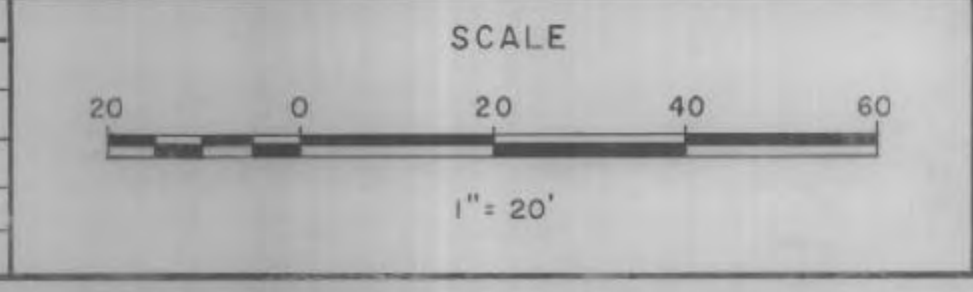
SCALE: HORIZONTAL - 1" = 20'
VERTICAL - 1" = 2'
PROFILE

AS BUILT
Oct 10-31-89

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

[Signature]
DALE D. ERNSBERGER, P.E. #13768

DES. D.D.E.	DRN. G.M.T.	CKD. D.D.E.	DATE	REVISIONS
ELTON G. SMITH, DIRECTOR		RALPH L. METCALF, II, CHIEF ENGINEER	OCT. 89	

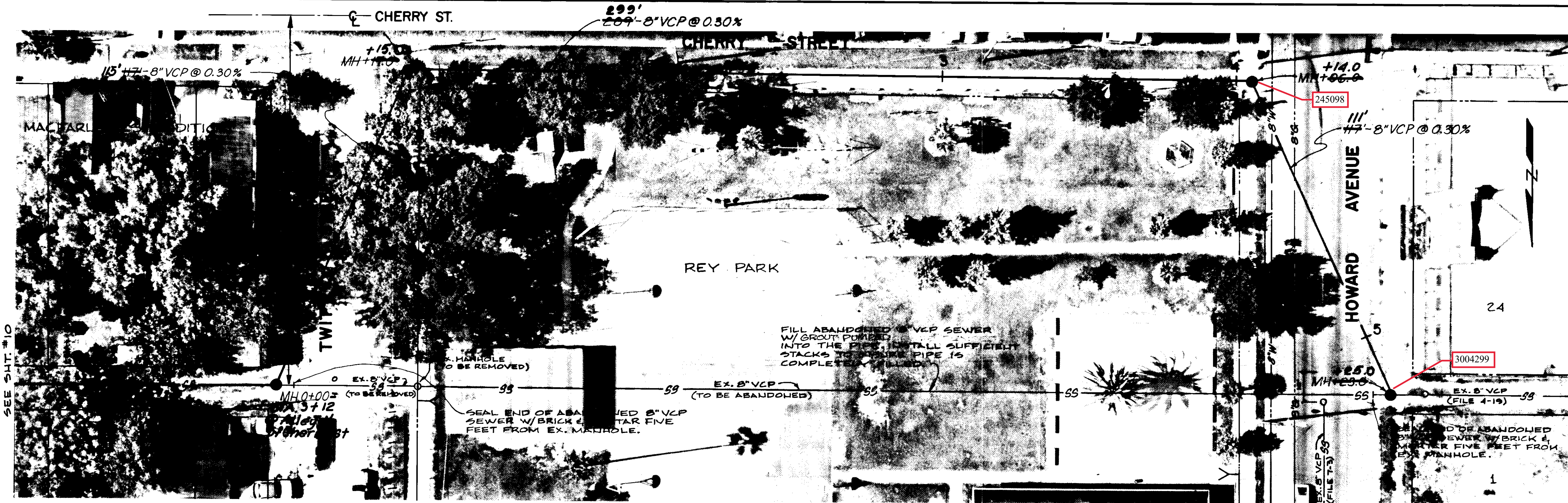


DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

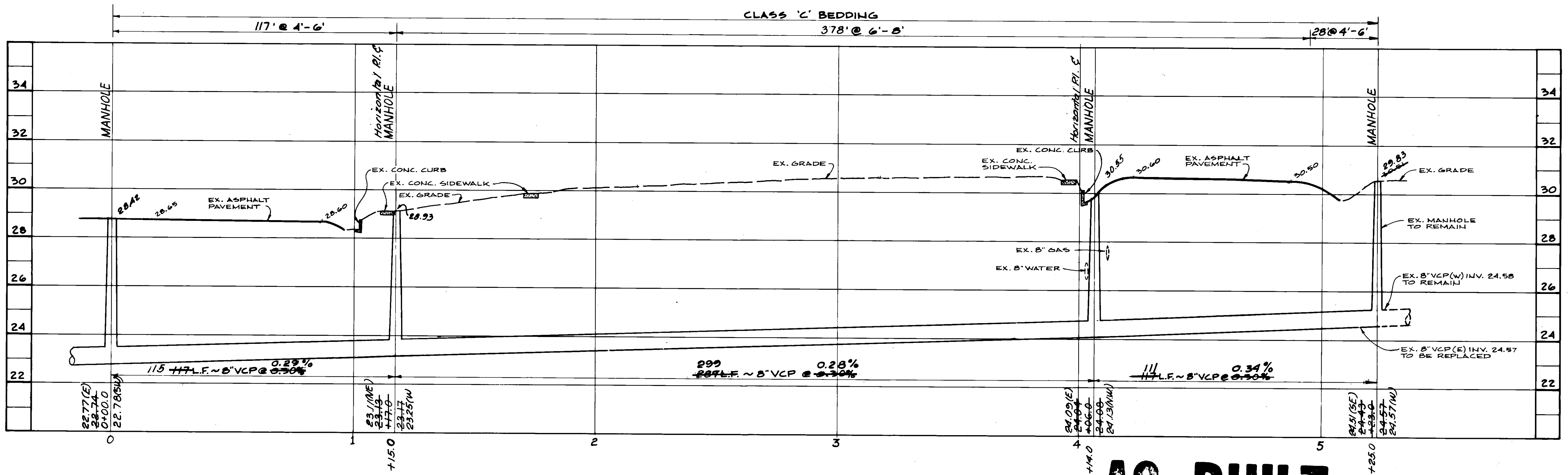
PLAN & PROFILE
ALLEY BETWEEN PINE ST. AND CHERRY ST.
WEST OF ARMENIA AVE.
STA. 0+00 to STA. 4+30

SHEET
21
OF 24

209-21



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



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

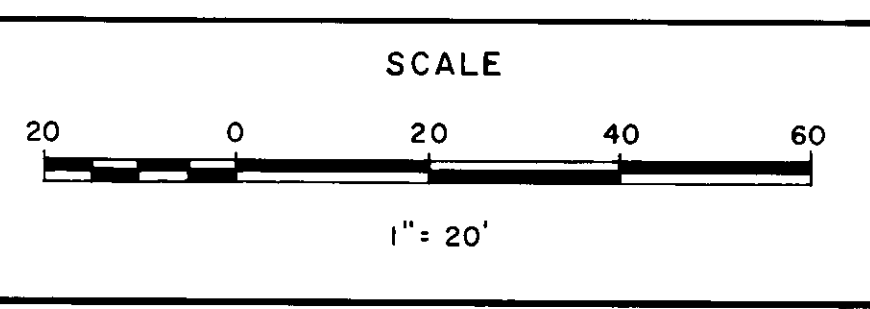
AS BUILT
Elo 5-18-87

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

DALE D. ERNSBERGER, P.E. #13768
DATE: NOV 1983

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

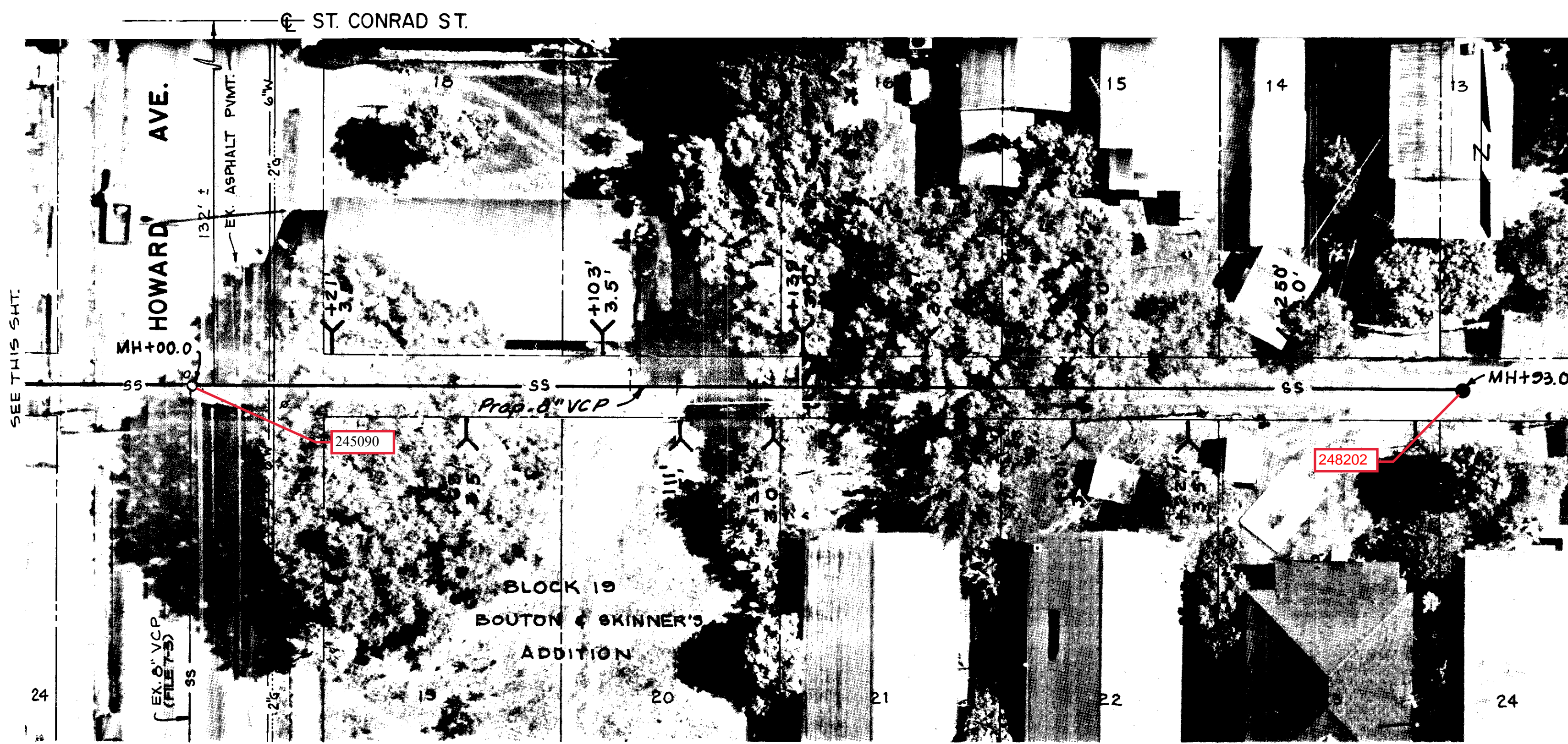
NO	DATE	REVISIONS
1	4-8-86	Revise alignment around Rey Park.
2	5-18-87	As built by survey notes



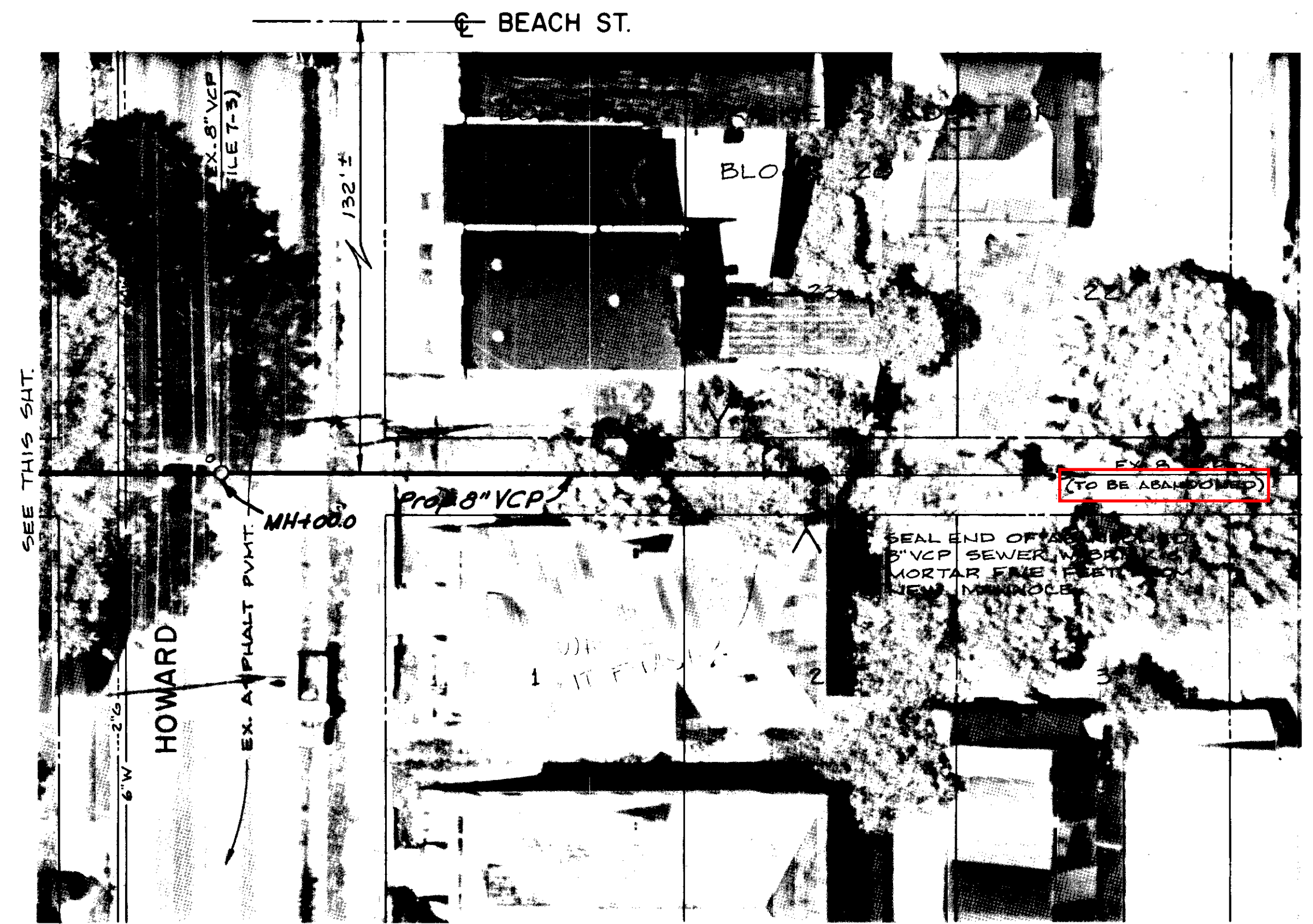
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
WEST TAMPA NEIGHBORHOOD SEWER PROJECT

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

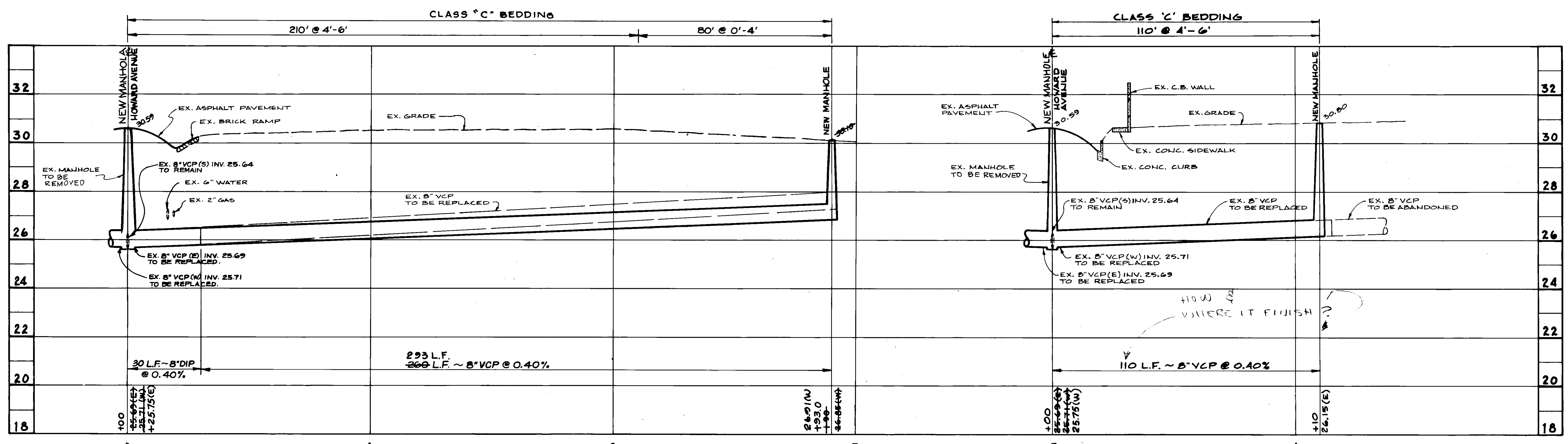


ALLEY BETWEEN ST. CONRAD ST. AND BEACH ST. EAST OF HOWARD AVE.

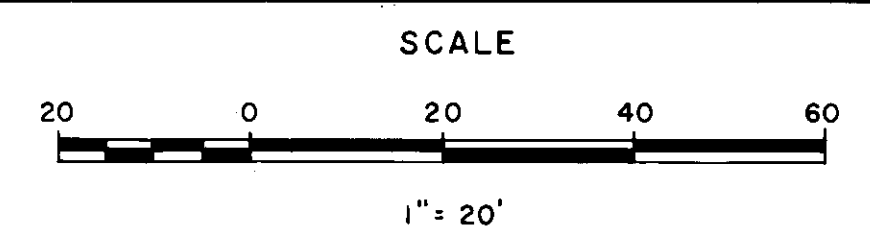


ALLEY BETWEEN ST. CONRAD ST. AND BEACH ST. WEST OF HOWARD AVE.

PLAN



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



AS BUILT
 Ex. 5-18-87

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

[Signature]
 DALE D. ERNSBERGER, P.E. #13768

DES. D.D.E.
 DRN. G.M.T.
 CKD. D.D.E.
 DATE: Nov. 1987

DEPARTMENT OF SANITARY SEWERS
[Signature]
 JACK B. MORRIS, PE
 DIRECTOR
[Signature]
 ANDREW T. CRONBERG, PE. # 32560
 CHIEF ENGINEER

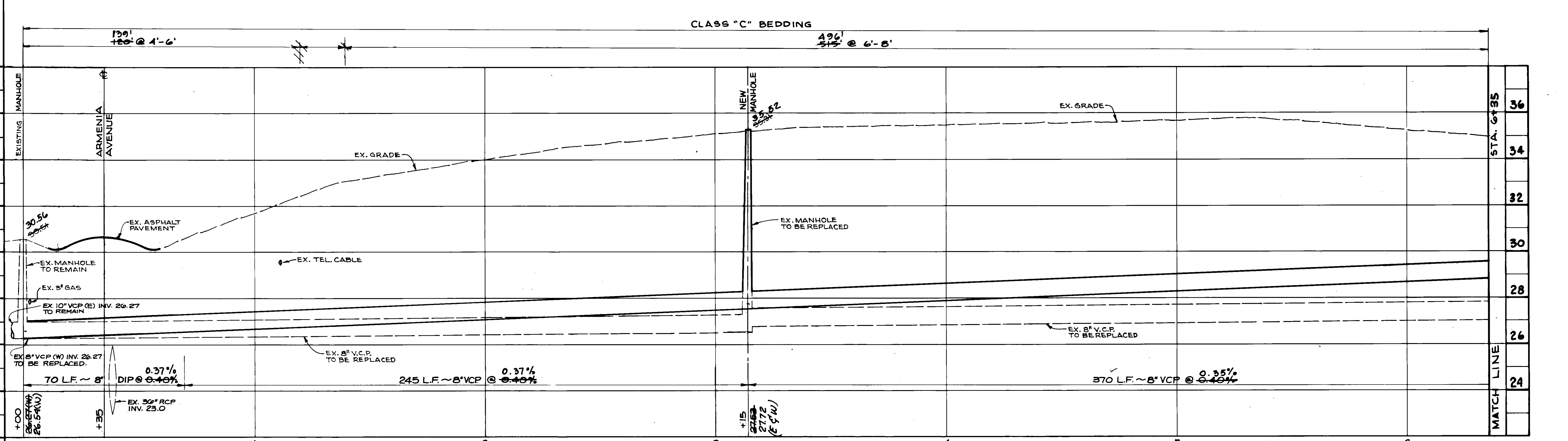
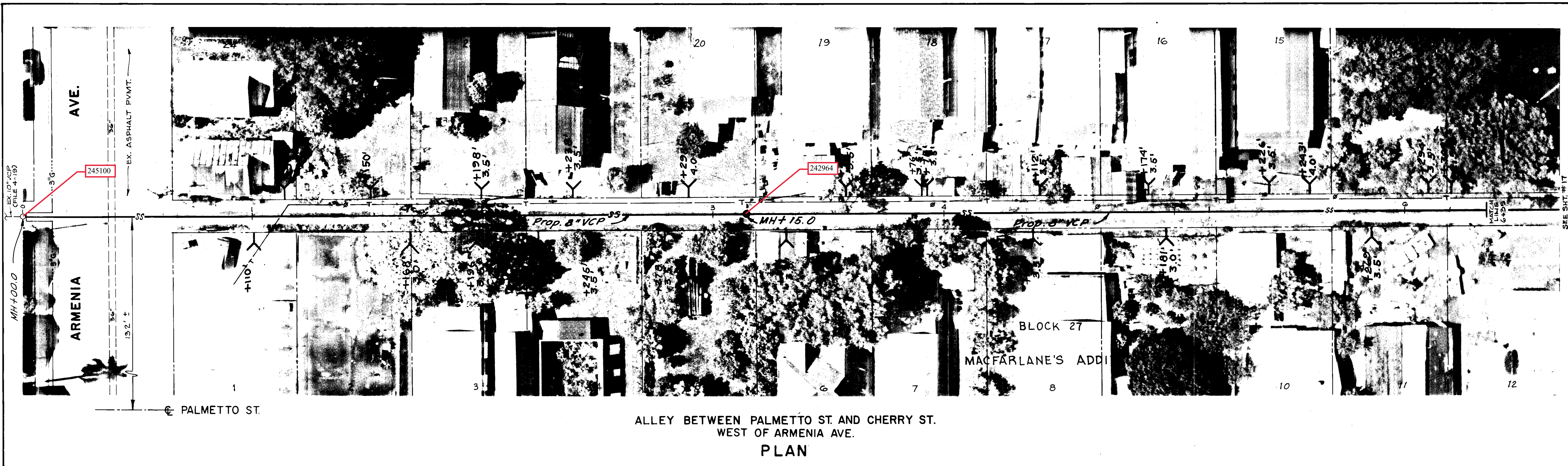
NO.	DATE	REVISIONS
1	5-18-87	AS BUILT BY SURVEY NOTES

SCALE
 20 0 20 40 60
 1" = 20'

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



AS BUILT
Dec 5-21-87

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

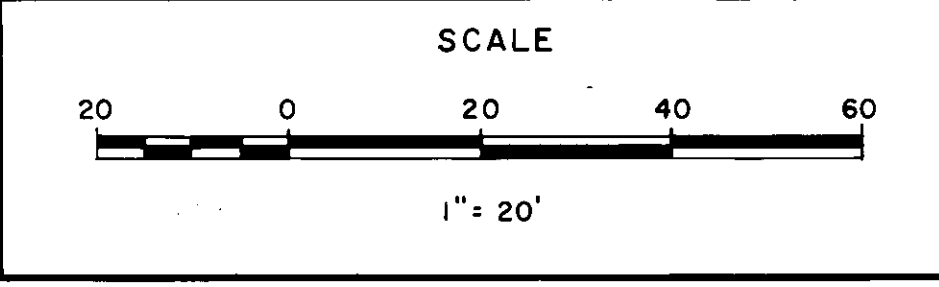
PROFILE

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

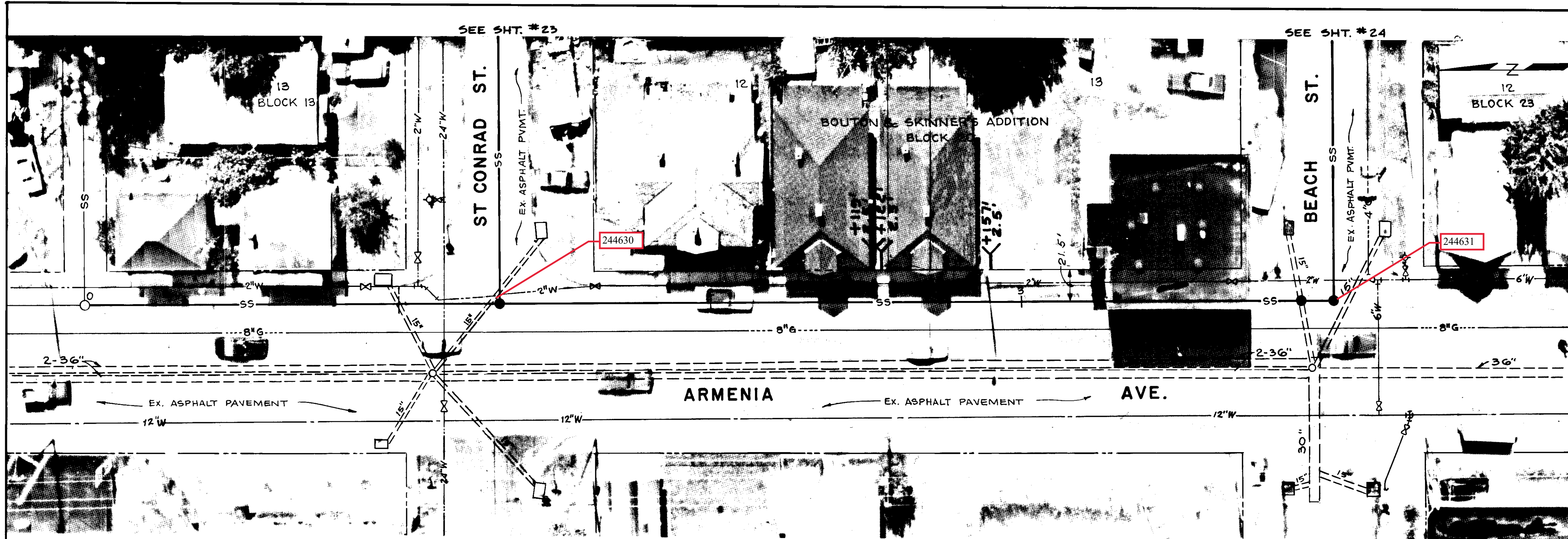
NO.	DATE	REVISIONS
1	5-21-87	As built by survey notes.



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

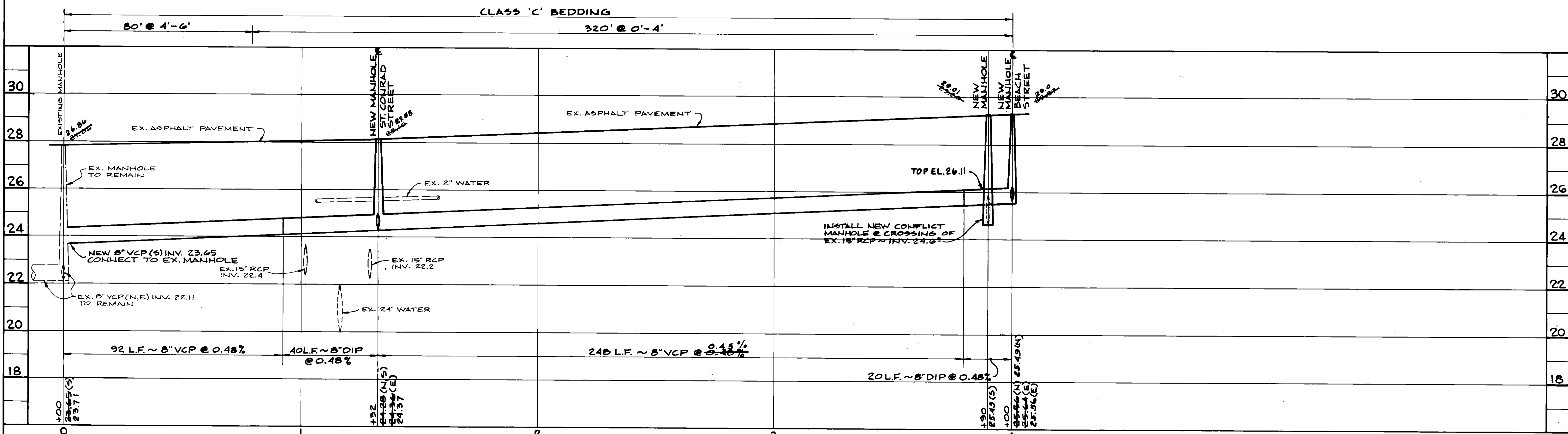
PLAN & PROFILE
 ALLEY BETWEEN PALMETTO ST. & CHERRY ST.
 WEST OF ARMENIA AVE.
 STA. 0+00 TO STA. 6+35

SHEET
16
 OF 31



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

PLAN



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

PROFILE

AS BUILT

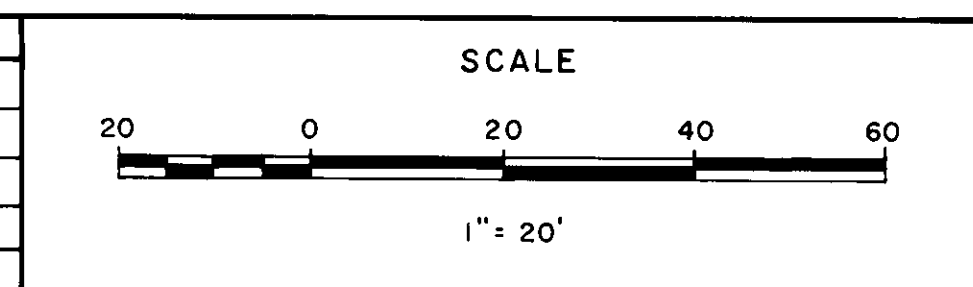
REYNOLDS, SMITH AND HILLS
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INCORPORATED
TAMPA FLORIDA

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

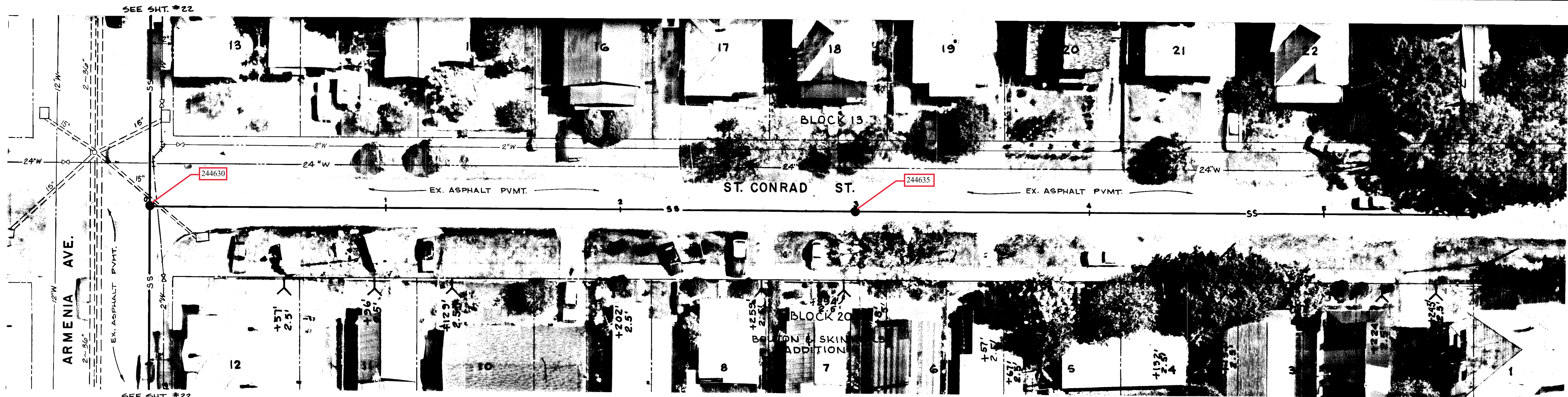
NO.	DATE	REVISIONS
1	6-3-87	As built by survey notes.



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

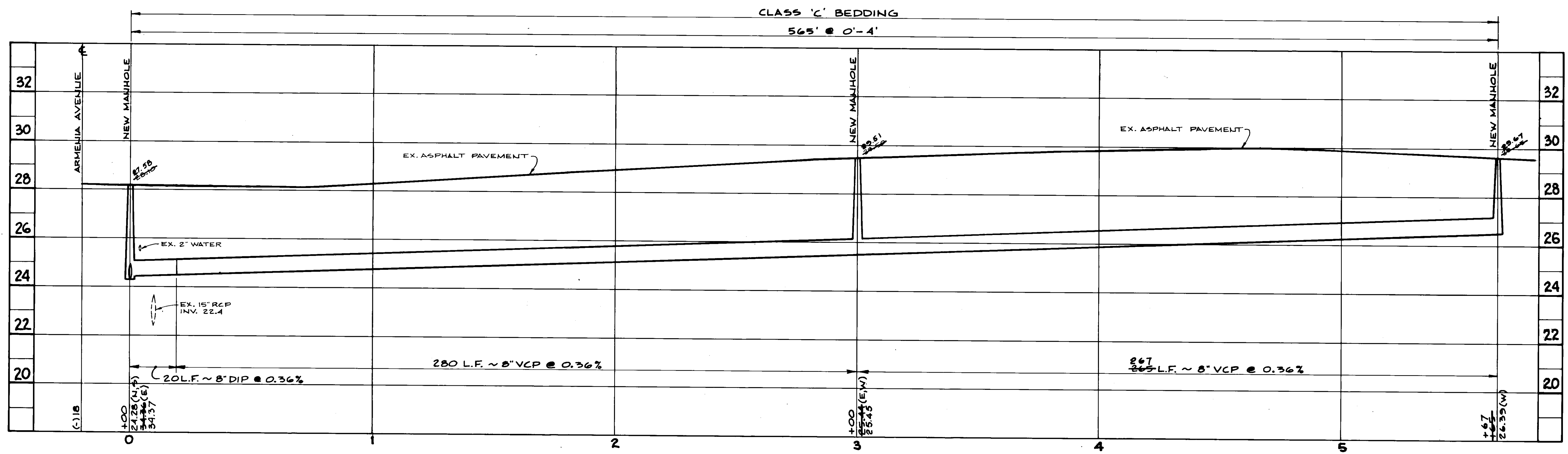
PLAN & PROFILE
ARMENIA AVE.
BETWEEN ST. CONRAD ST. AND BEACH ST.
STA. 0+00 TO STA. 4+00

SHEET
22
OF 31



ST. CONRAD ST. EAST OF ARMENIA AVE.

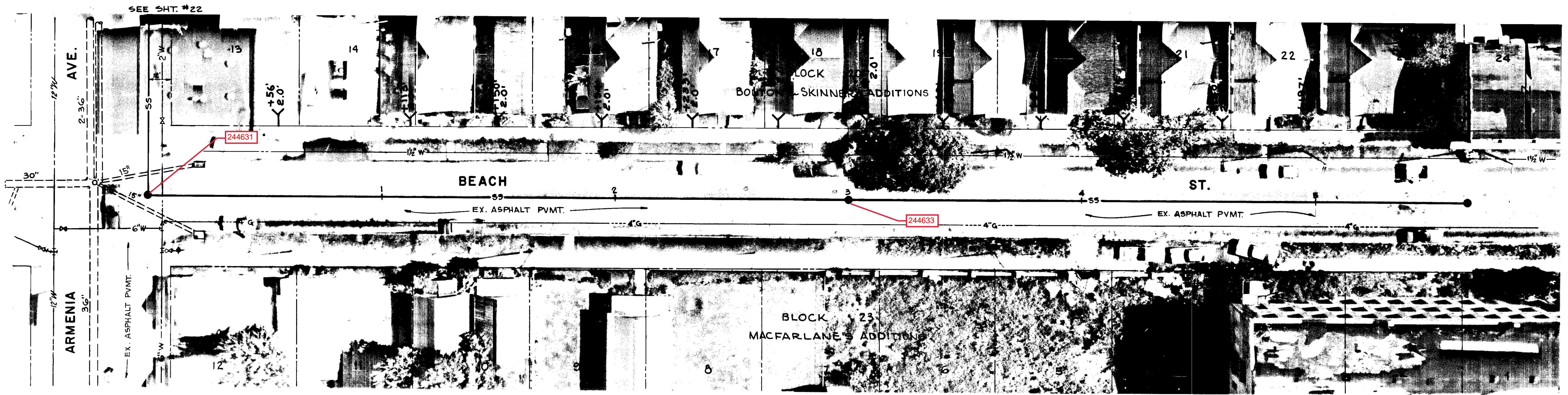
PLAN



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

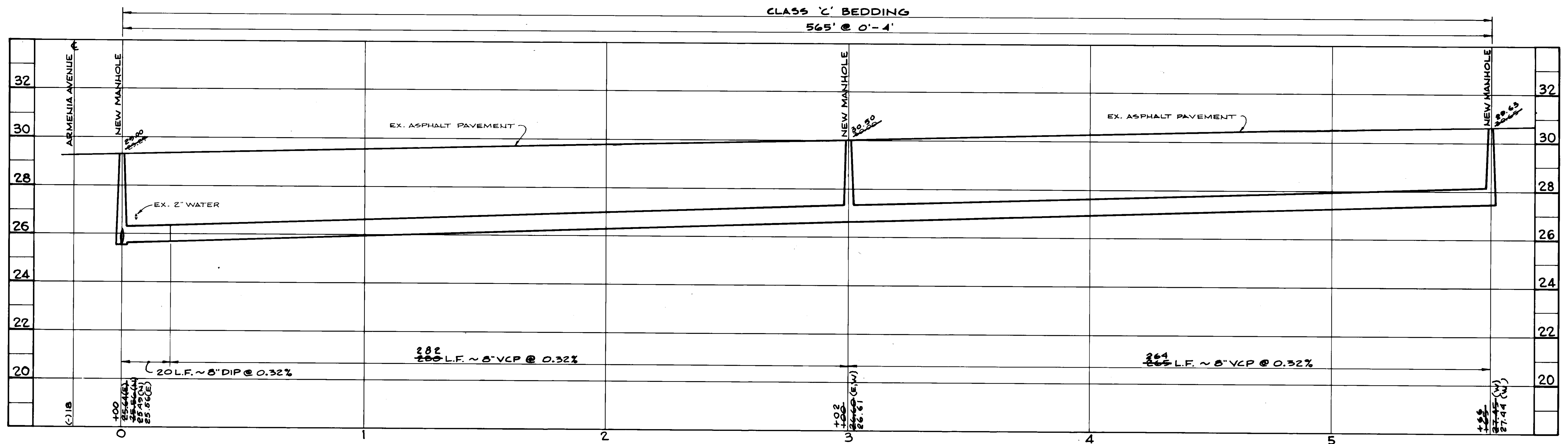
AS BUILT
 02 6-9-87

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.			
DATE: NOV 1983		CKD. D.D.E.	ANDREW T. CROMBERG, P.E. # 32560 CHIEF ENGINEER			213-23		



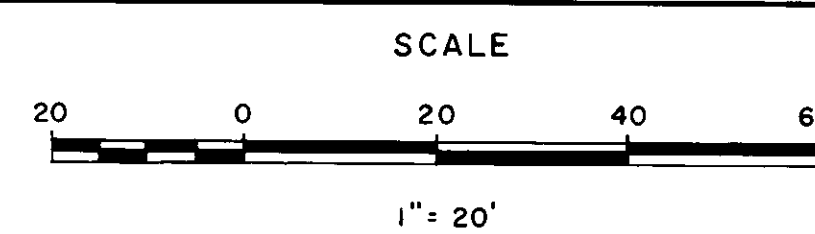
BEACH ST. EAST OF ARMENIA AVE.

PLAN



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

PROFILE



AS BUILT
 6-1-87

REYNOLDS, SMITH AND HILLS
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 INCORPORATED
 TAMPA FLORIDA

DALE D. ERNSBERGER, P.E. #13768

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

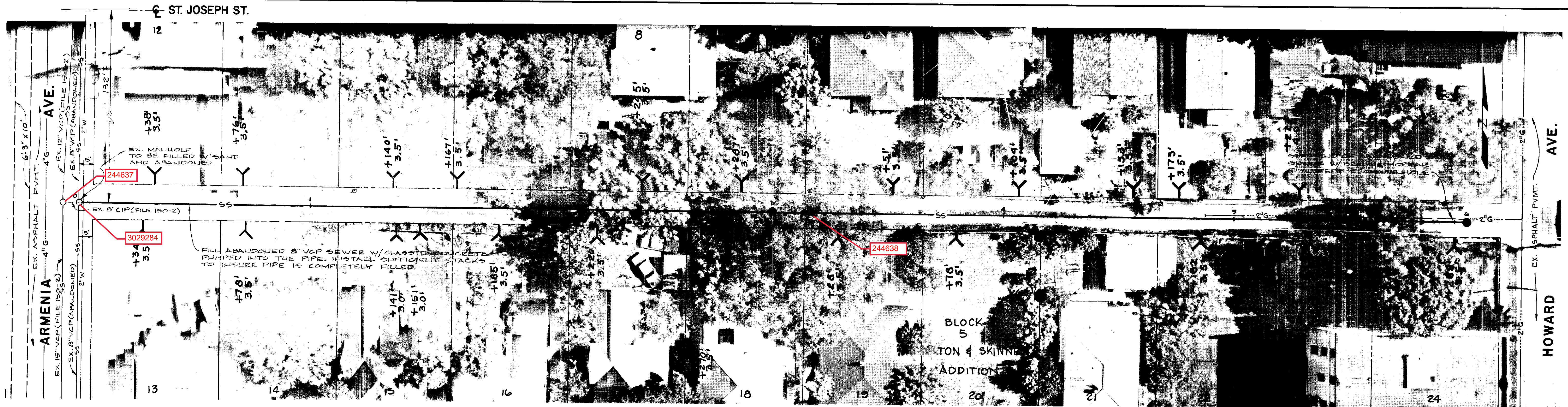
DEPARTMENT OF SANITARY SEWERS
 JACK P. MORRIS, P.E.
 DIRECTOR
 ANDREW T. CRONBERG, P.E. # 32560
 CHIEF ENGINEER

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

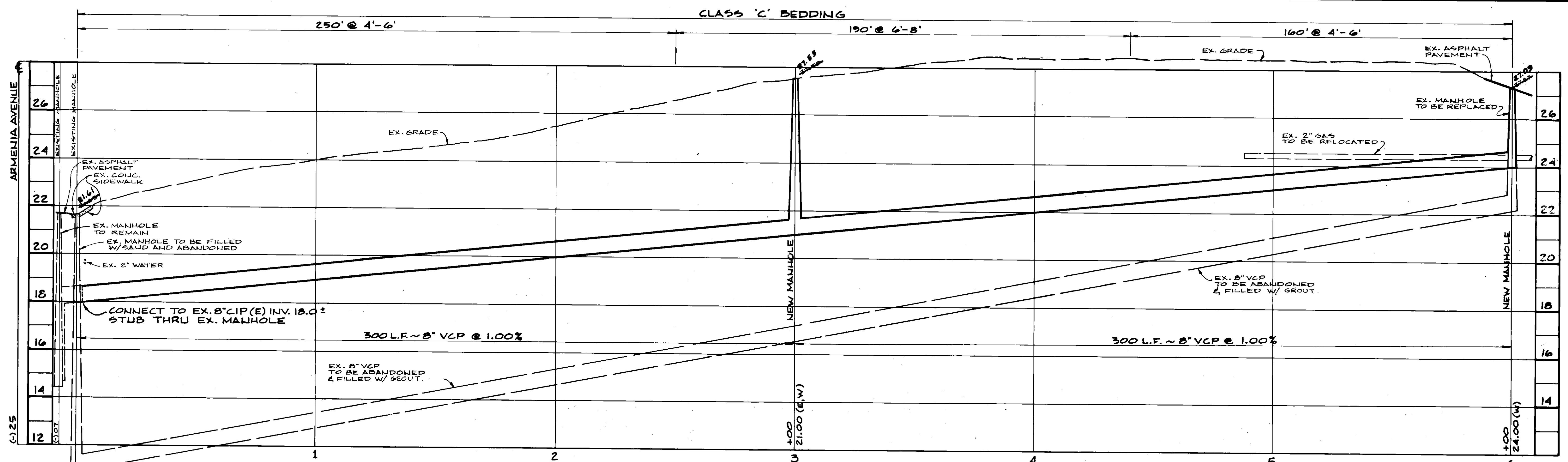
DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 WEST TAMPA NEIGHBORHOOD SEWER PROJECT

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

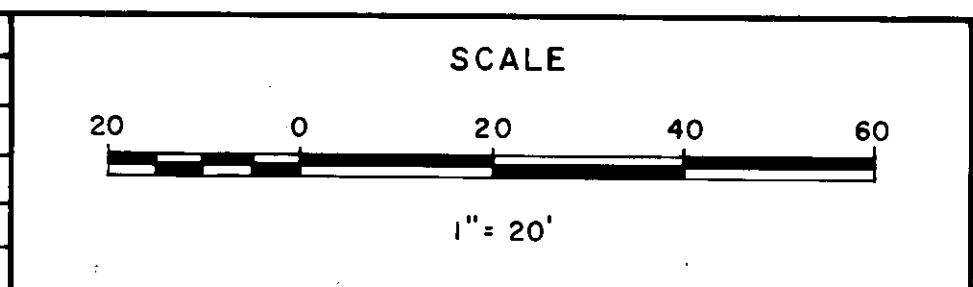
AS BUILT
6-5-87

REYNOLDS, SMITH AND HILLS
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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

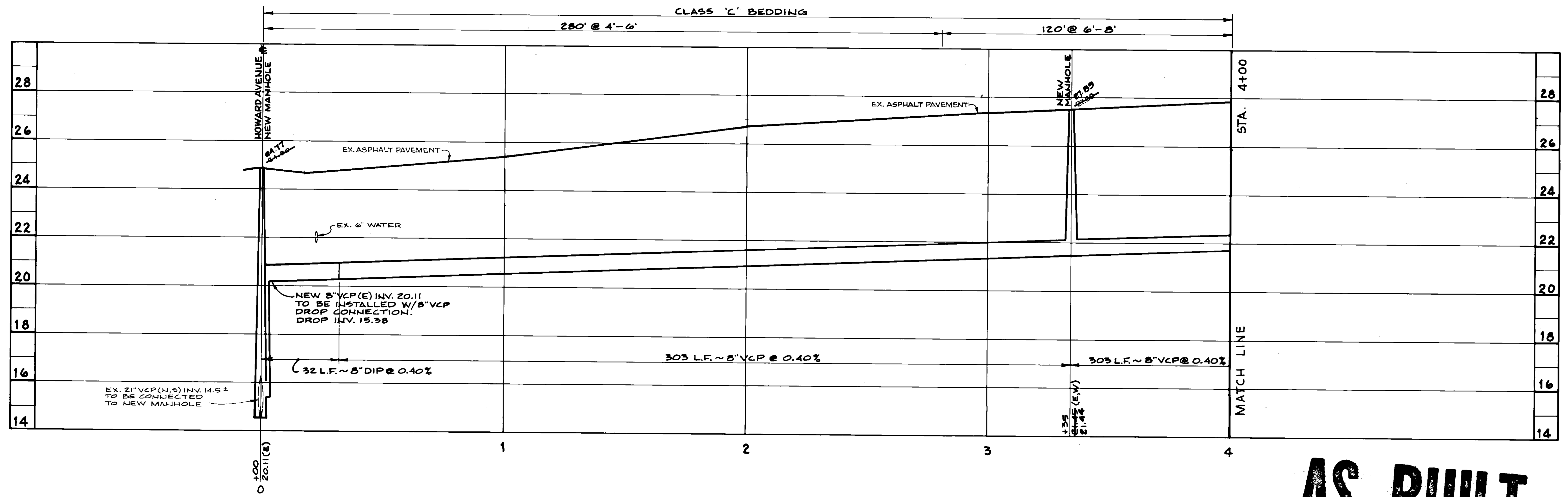
PLAN & PROFILE
ALLEY BETWEEN ST. JOSEPH ST. AND ST. LOUIS ST.
EAST OF ARMENIA AVE.
STA. 0+00 to STA. 6+00

SHEET
25
OF 31



ST. JOSEPH ST EAST OF HOWARD AVE.

PLAN



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

AS BUILT
06-5-87

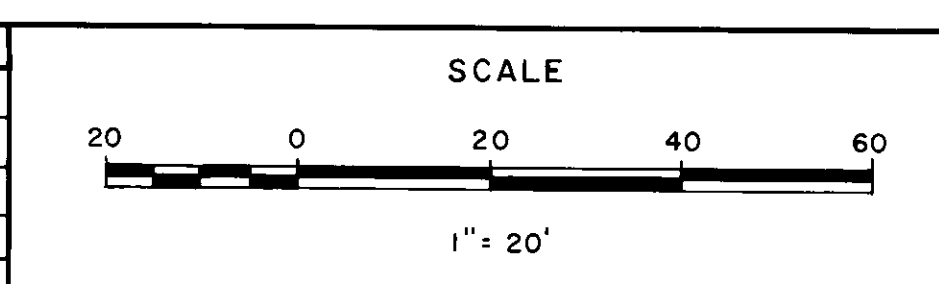
REYNOLDS, SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
TAMPA FLORIDA

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

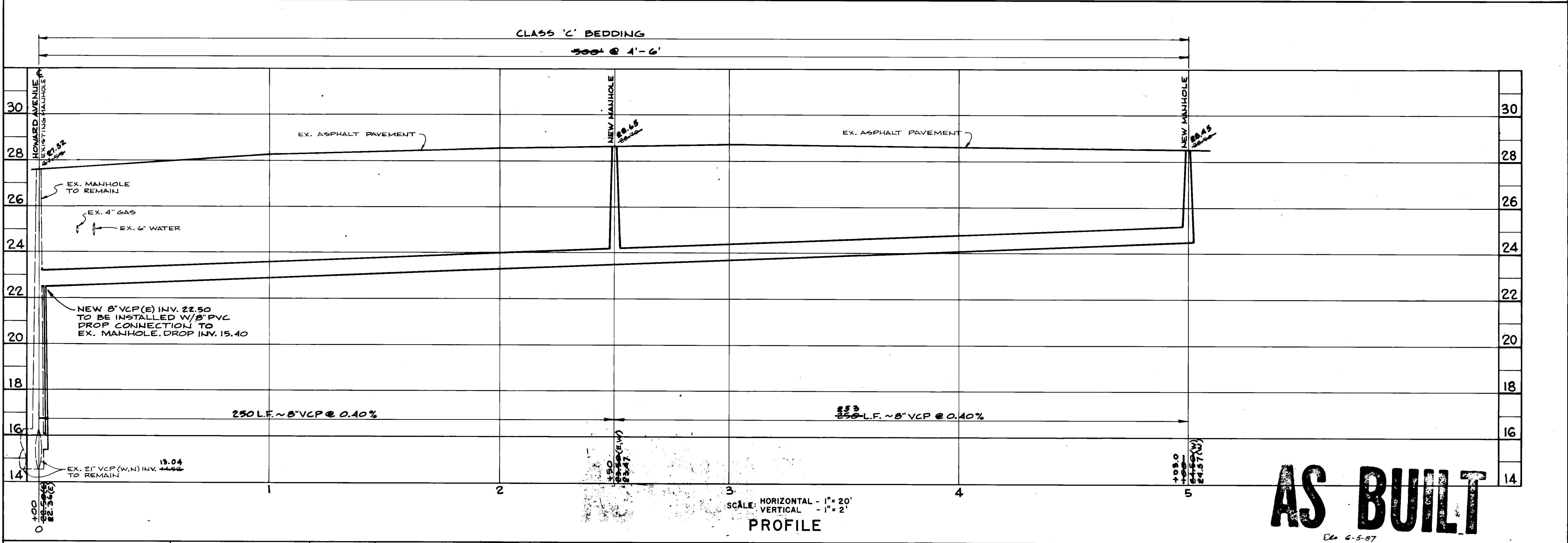
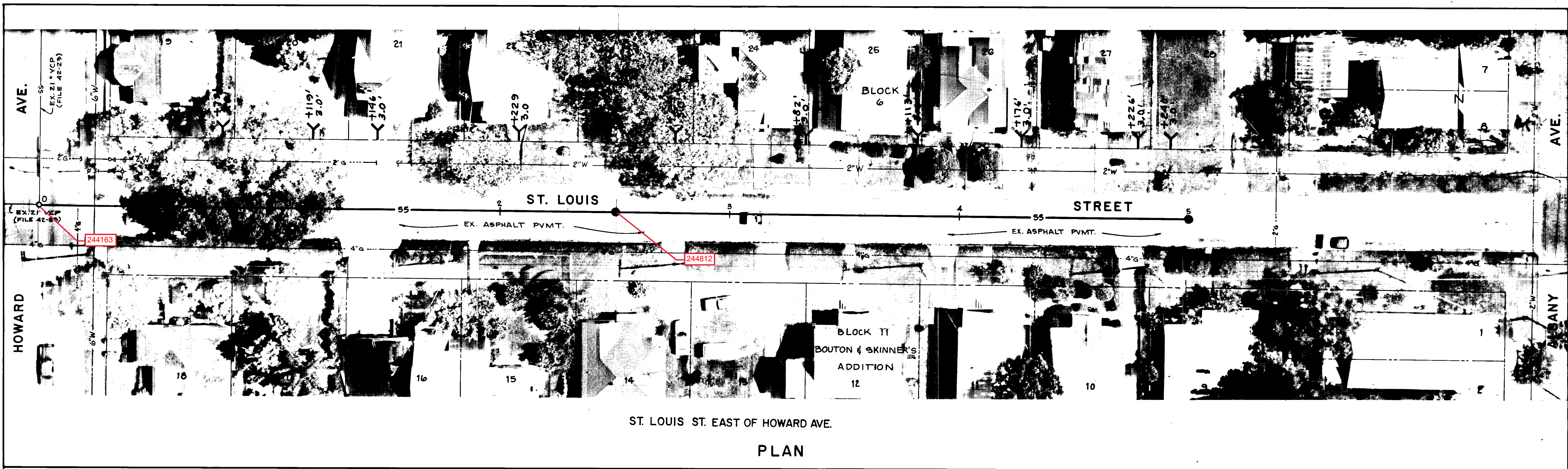
NO	DATE	REVISIONS
1	6-5-87	As built by Survey notes



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



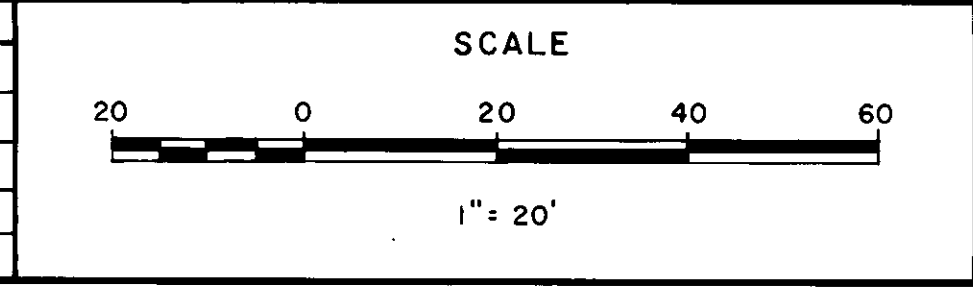
AS BUILT
 06-5-07

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

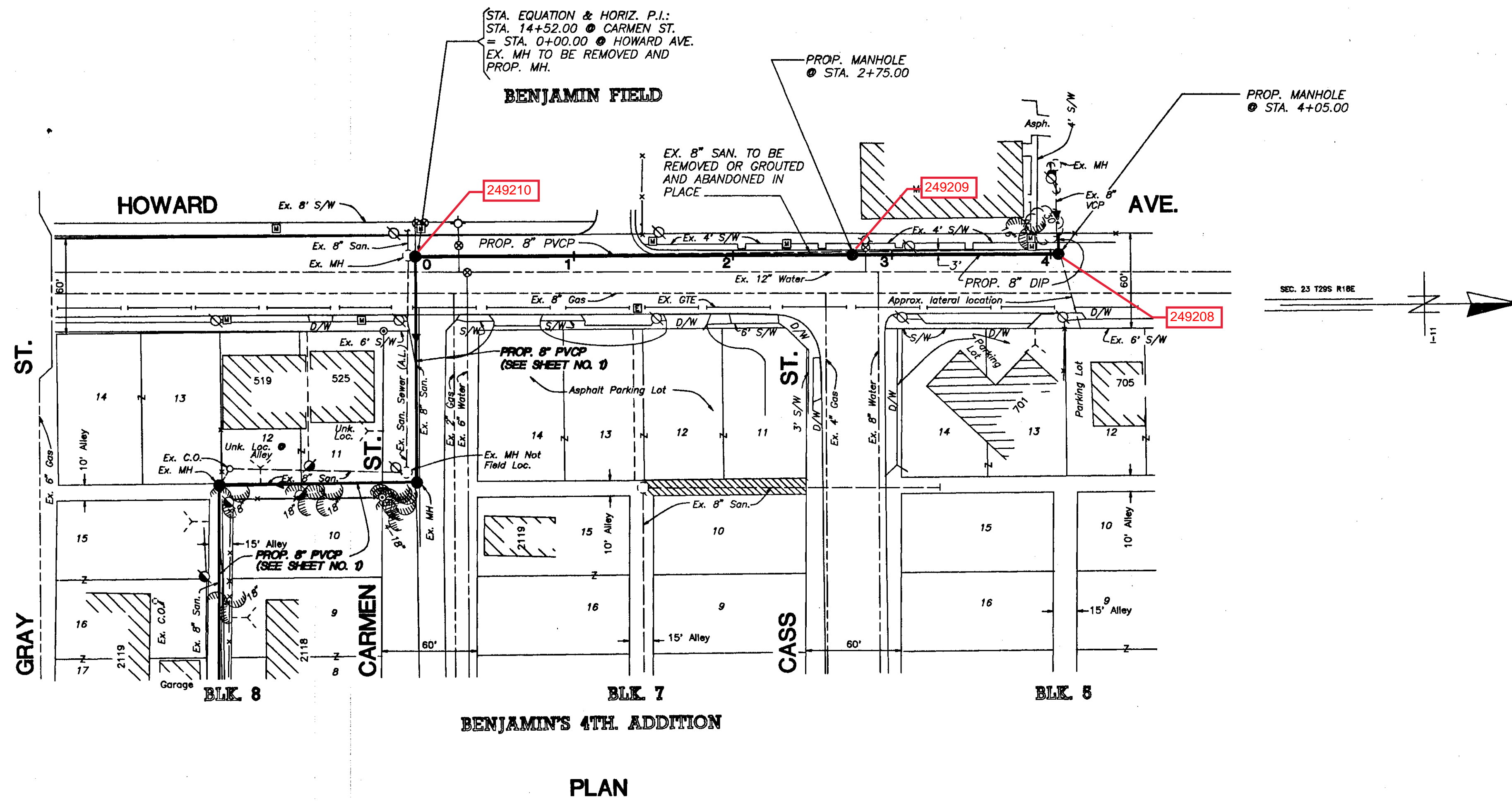
NO.	DATE	REVISIONS
1	6-5-87	As built by Survey Notes



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

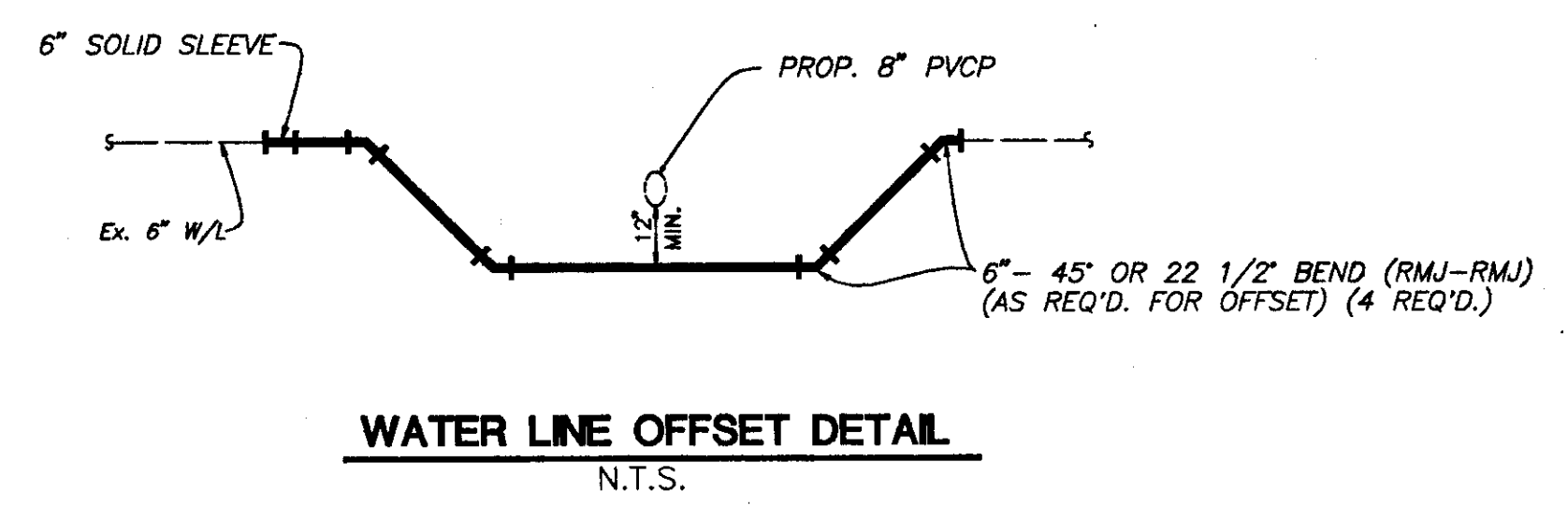
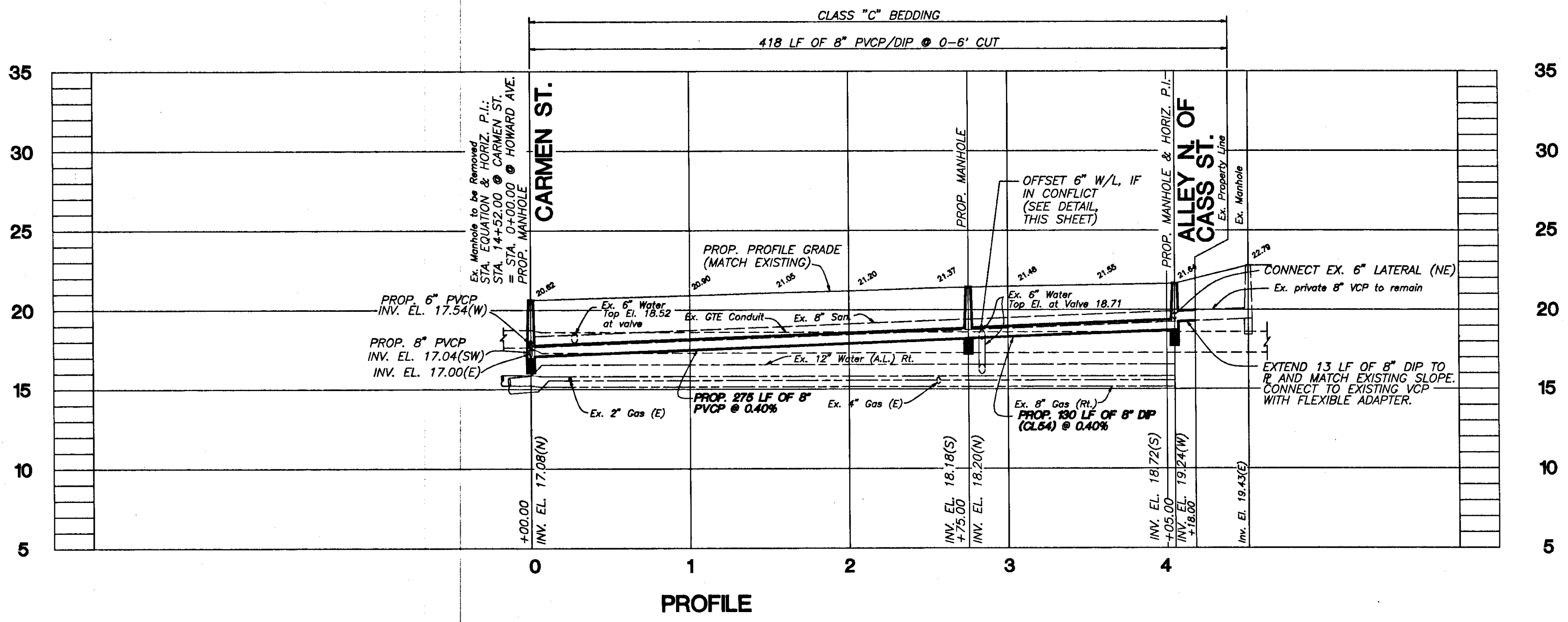
SHEET
28
 OF 31



- 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.



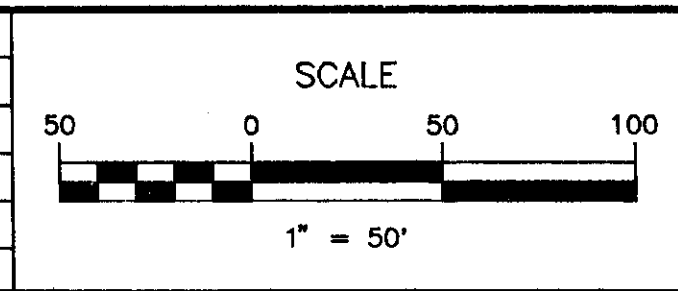
STATION #2
1+00
C:\WORK\DWG\DWG\4890-2

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.

SHEET
2
 OF 2

282-2

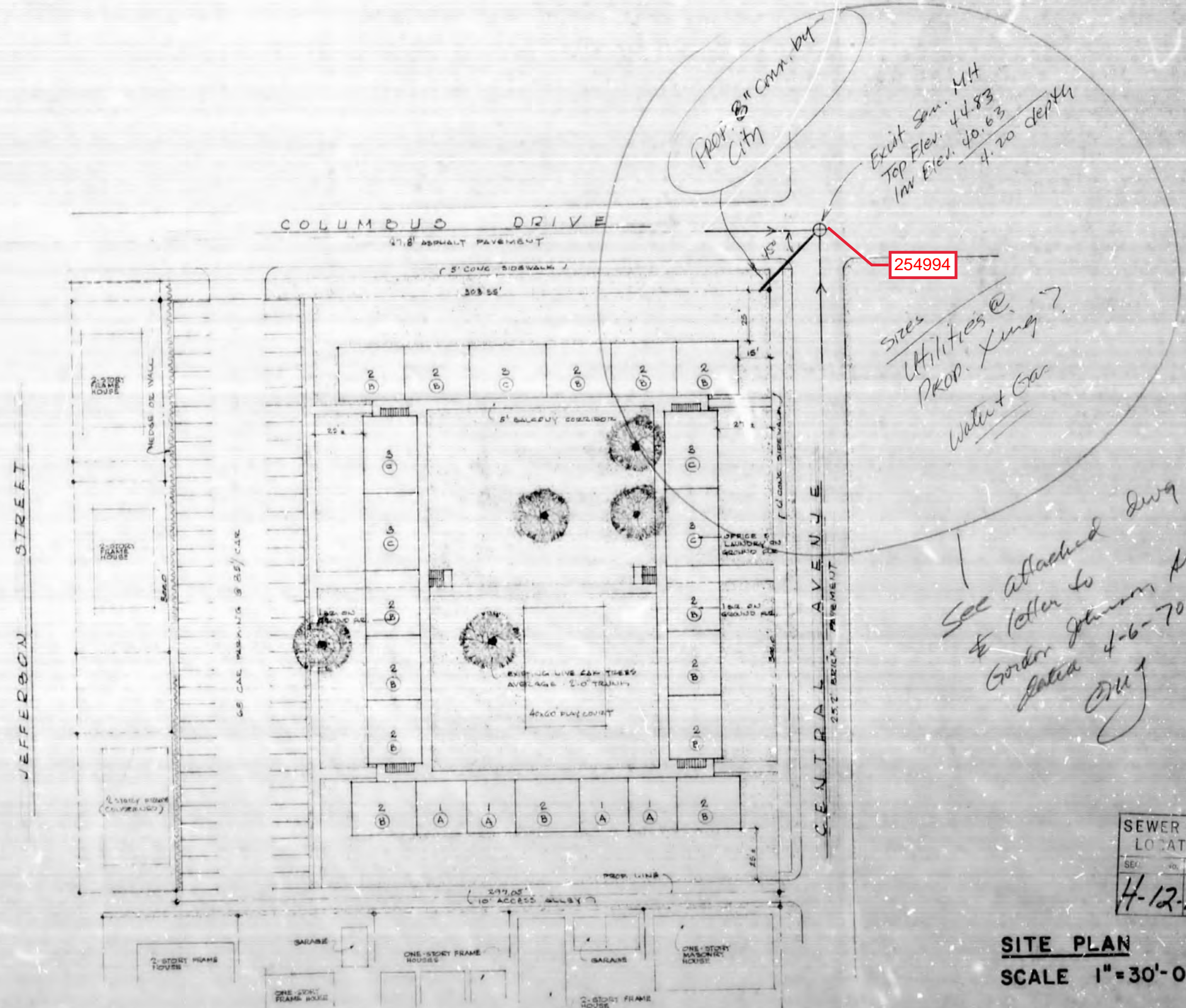
UNIT BREAKDOWN

	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.



SEWER LINE LOCATION
 SEWER LINE NO.
 4-12-misc

SITE PLAN
 SCALE 1"=30'-0"

507-20

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

PRELIMINARY APARTMENTS
 CENTRAL AVENUE
 AND
 COLUMBUS DR
 TAMPA, FLORIDA
 FNA PROJECT NUMBER 067 - 35048 LD SUP

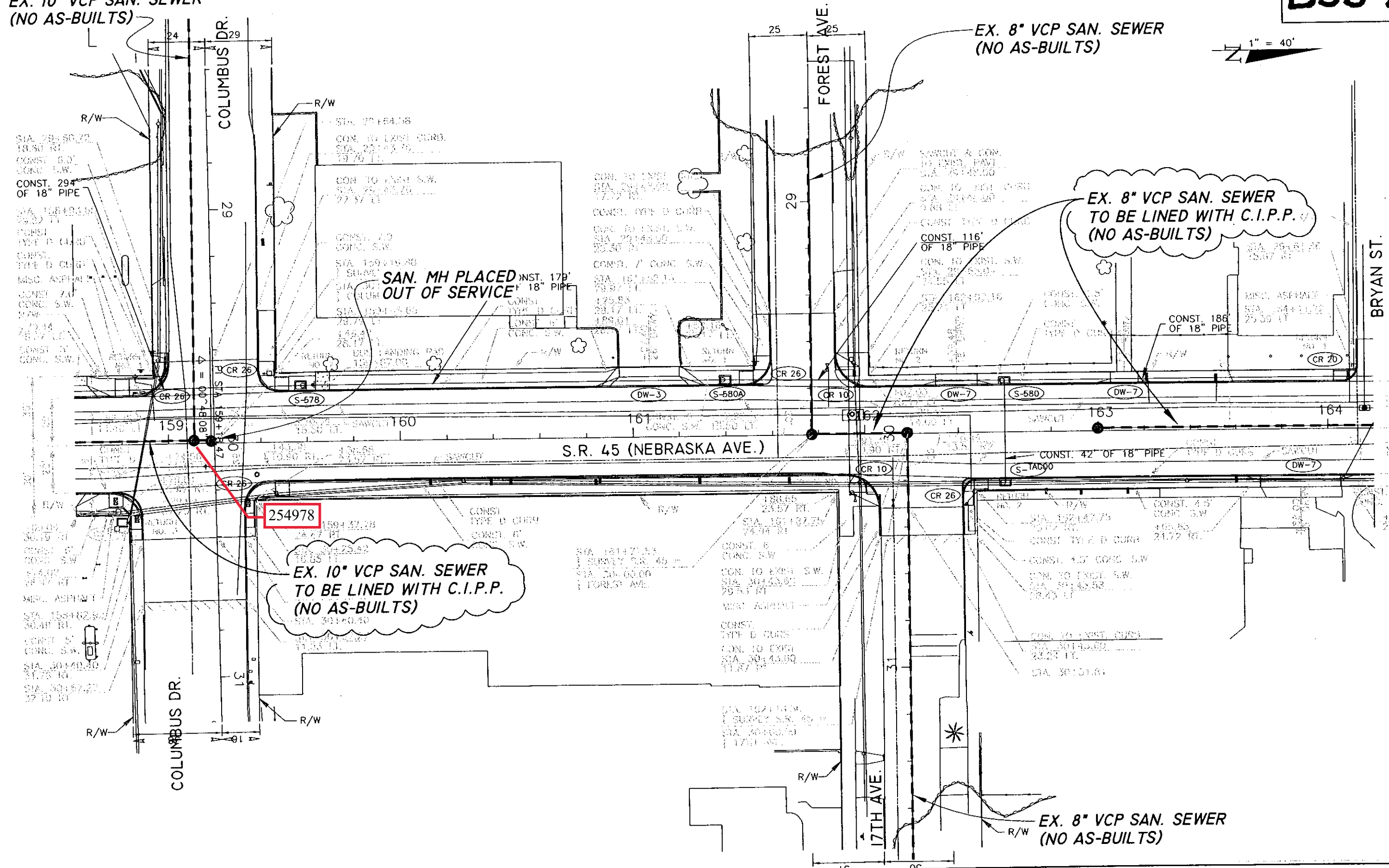
PRELIMINARY
 SITE PLAN

7001
 JAN 24 1970

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

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

1" = 40'



254978

EX. 10" VCP SAN. SEWER
TO BE LINED WITH C.I.P.P.
(NO AS-BUILTS)

EX. 8" VCP SAN. SEWER
TO BE LINED WITH C.I.P.P.
(NO AS-BUILTS)

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

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

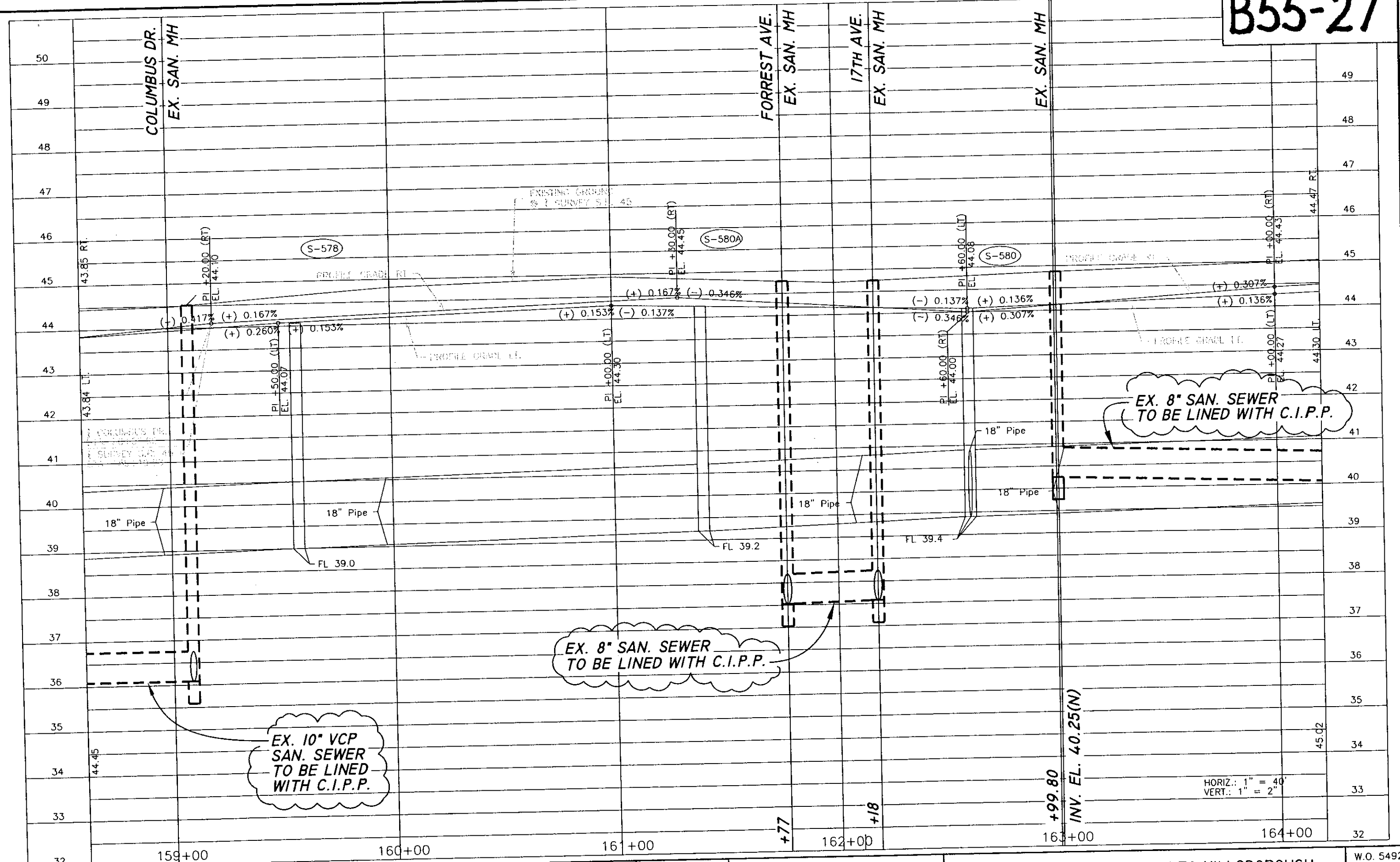
CITY of TAMPA
WASTEWATER DEPARTMENT

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

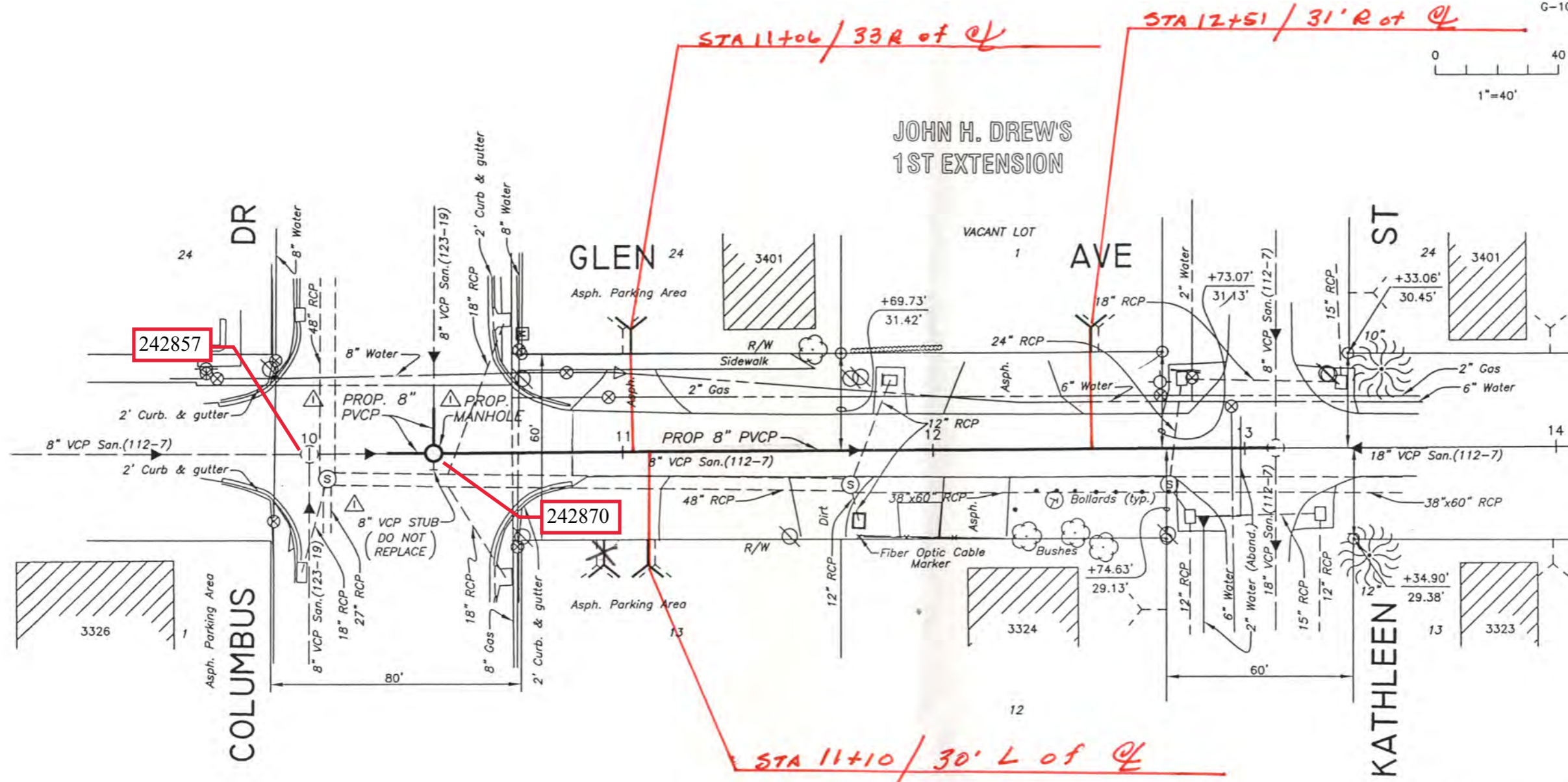
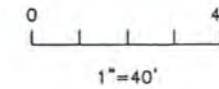
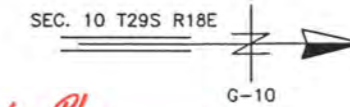
No.	DATE	REVISIONS
3		
2		

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



As Built
Drawing

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

ANTHONY LAWRENCE KASPER
LICENSE #63093
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT
02/12/07

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

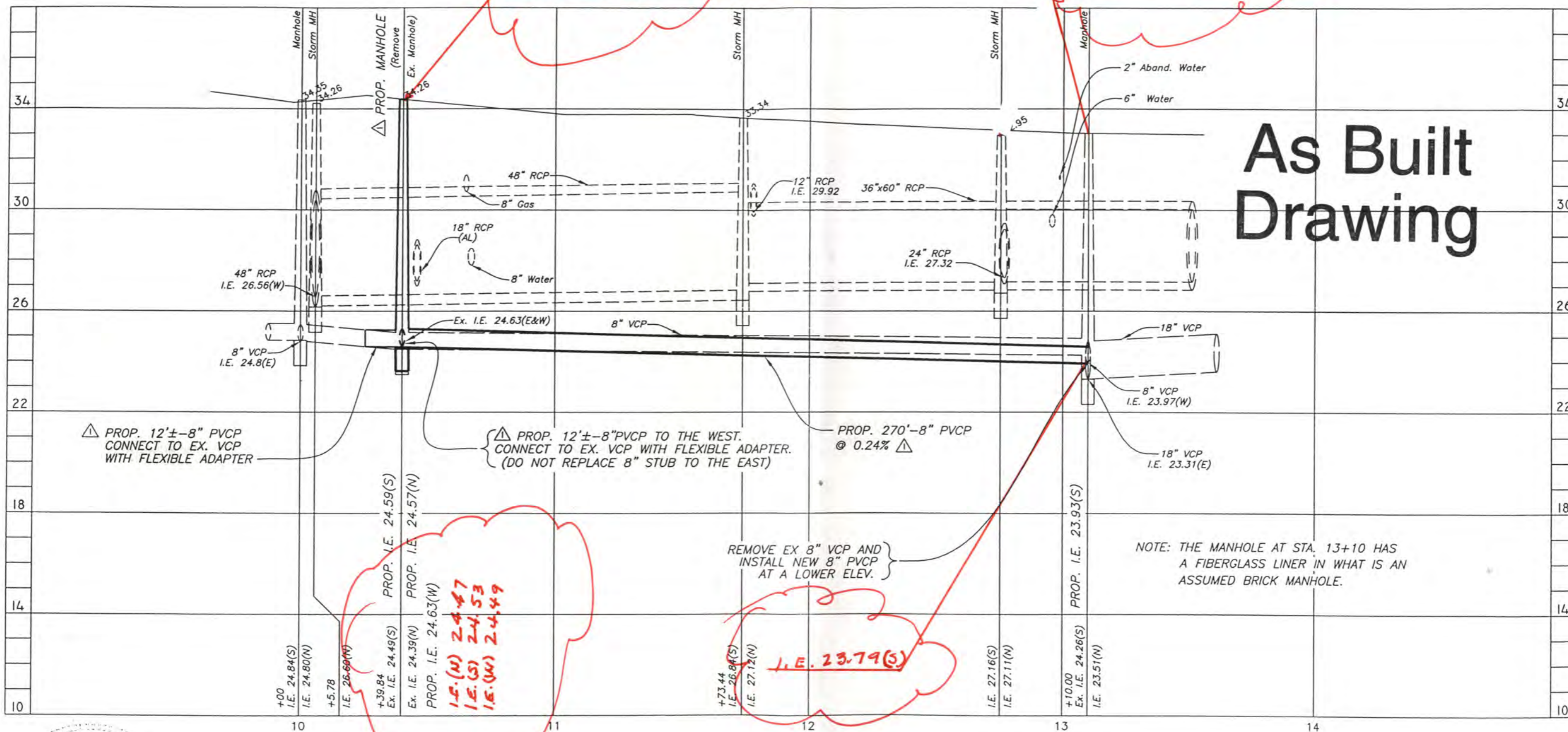
CLASS "C" BEDDING

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

RIM EL. 34.45

RIM EL. 32.94

As Built Drawing



PROP. 12'±-8" PVCP CONNECT TO EX. VCP WITH FLEXIBLE ADAPTER

PROP. 12'±-8" PVCP TO THE WEST. CONNECT TO EX. VCP WITH FLEXIBLE ADAPTER. (DO NOT REPLACE 8" STUB TO THE EAST)

PROP. 270'-8" PVCP @ 0.24%

REMOVE EX 8" VCP AND INSTALL NEW 8" PVCP AT A LOWER ELEV.

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

PROFILE

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

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



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

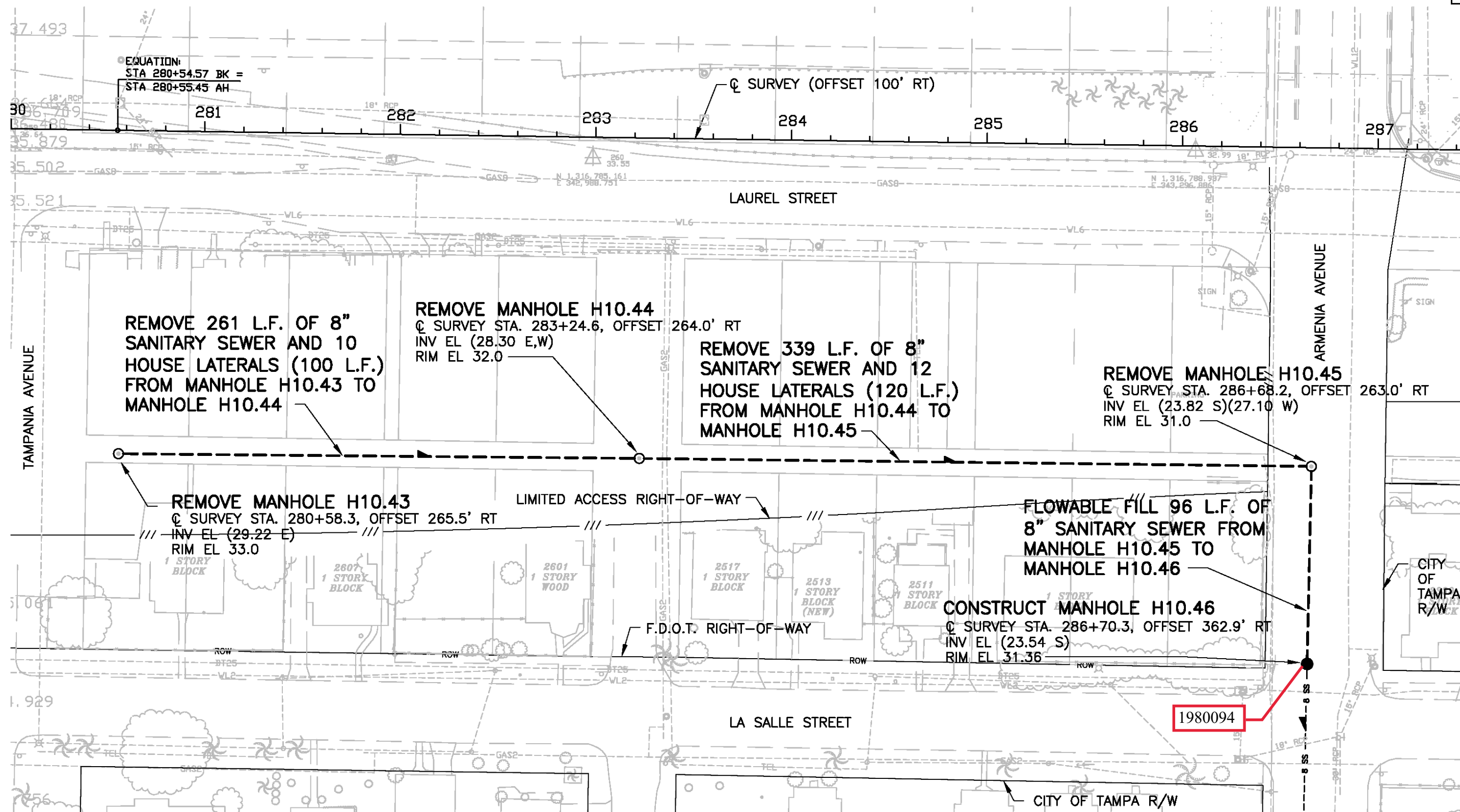
No.	DATE	REVISIONS
3		
2		
1	06/29/07	ADD PROP. MANHOLE & EXTRA PVCP AND CHANGE SLOPE

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



EQUATION:
 STA 280+54.57 BK =
 STA 280+55.45 AH

REMOVE 261 L.F. OF 8" SANITARY SEWER AND 10 HOUSE LATERALS (100 L.F.) FROM MANHOLE H10.43 TO MANHOLE H10.44

REMOVE MANHOLE H10.44
 C SURVEY STA. 283+24.6, OFFSET 264.0' RT
 INV EL (28.30 E,W)
 RIM EL 32.0

REMOVE 339 L.F. OF 8" SANITARY SEWER AND 12 HOUSE LATERALS (120 L.F.) FROM MANHOLE H10.44 TO MANHOLE H10.45

REMOVE MANHOLE H10.45
 C SURVEY STA. 286+68.2, OFFSET 263.0' RT
 INV EL (23.82 S)(27.10 W)
 RIM EL 31.0

REMOVE MANHOLE H10.43
 C SURVEY STA. 280+58.3, OFFSET 265.5' RT
 INV EL (29.22 E)
 RIM EL 33.0

FLOWABLE FILL 96 L.F. OF 8" SANITARY SEWER FROM MANHOLE H10.45 TO MANHOLE H10.46

CONSTRUCT MANHOLE H10.46
 C SURVEY STA. 286+70.3, OFFSET 362.9' RT
 INV EL (23.54 S)
 RIM EL 31.36

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

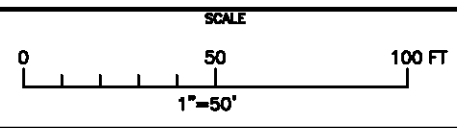
PLAN

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.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
1/2010	TYW	RECORD DRAWING 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

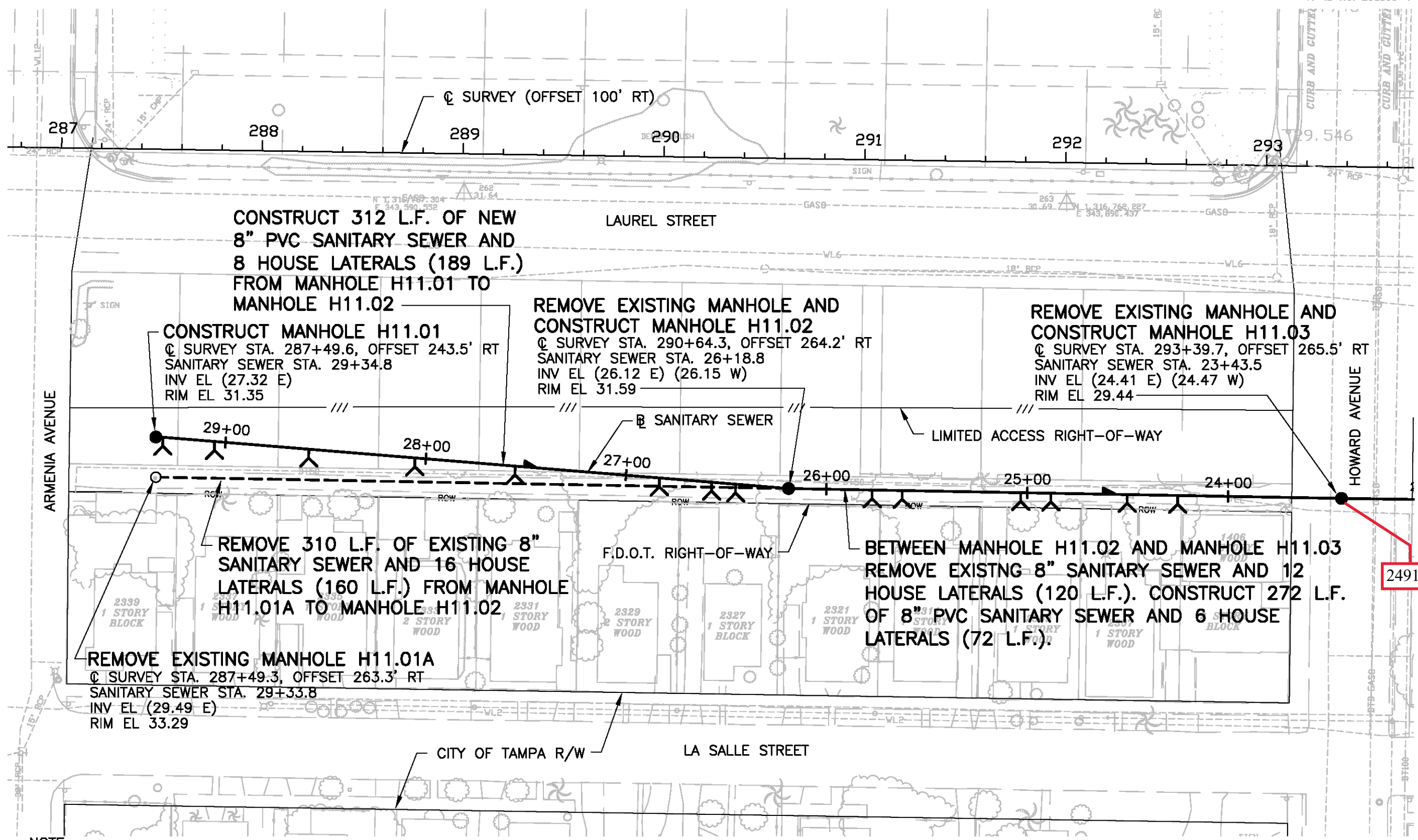


CITY OF TAMPA, FLORIDA
 FP ID NO. 258399-1-56-04
 INTERSTATE 275 SANITARY SEWER
 ADJUSTMENTS

PLAN
 ALLEY SOUTH OF LAUREL STEET AND
 ARMENIA AVENUE
 STA. 280+58 TO STA. 286+68

FILE NAME	PLANUW17
SHEET	U-17
DATE	JANUARY 2010 REV 0

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



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:
- 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.
 - 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
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
1/2010	TYW	RECORD DRAWING REVISIONS								

SHEET U-18
DATE JANUARY 2010 REV 0