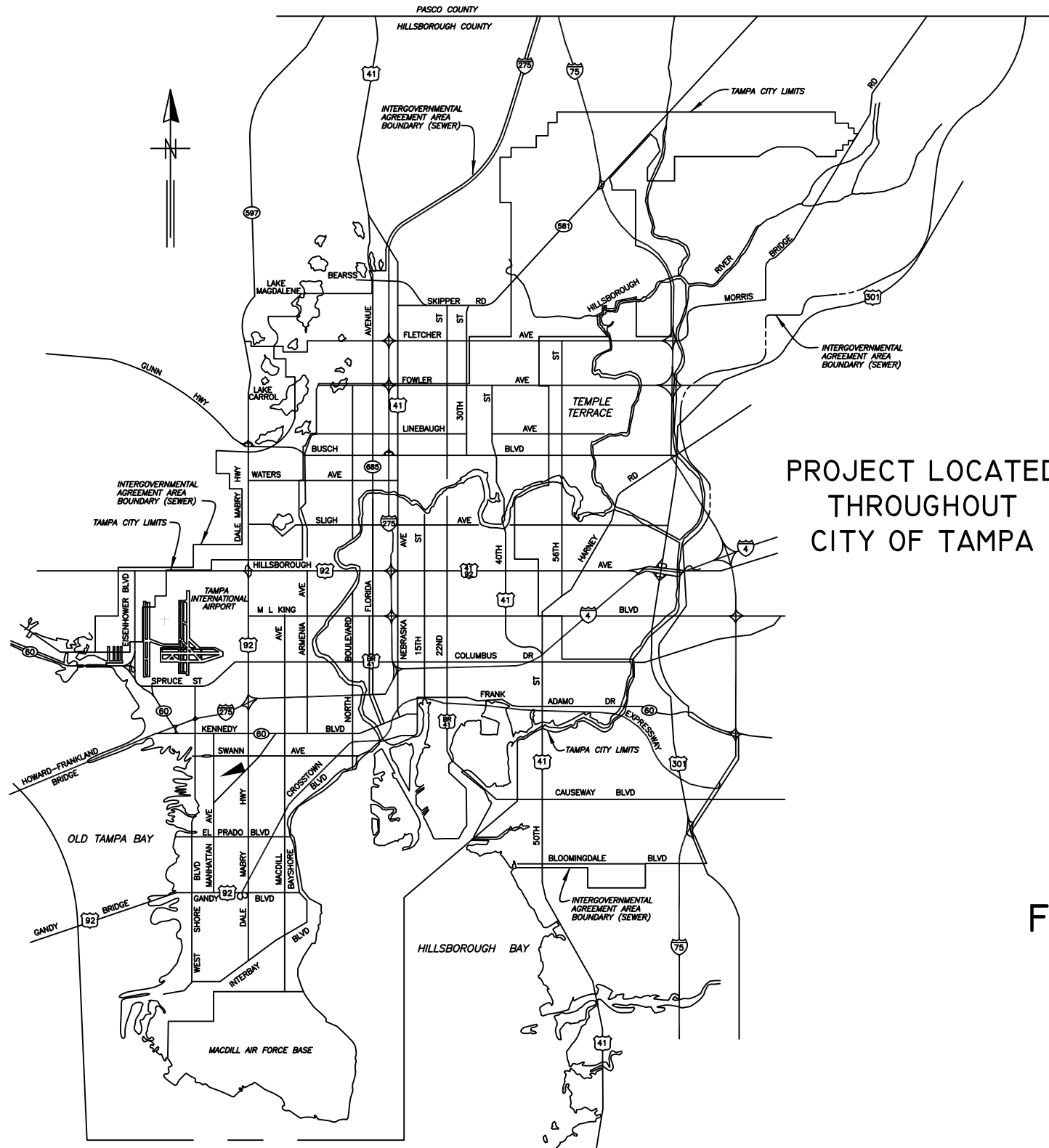


The Enclosed Document Is Provided For Your Convenience.

Please Email ALL Questions:
[MailTo:ContractAdministration@TampaGov.net](mailto:ContractAdministration@TampaGov.net)

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

LOCATION MAP



PROJECT LOCATED
THROUGHOUT
CITY OF TAMPA

CITY of TAMPA



WASTEWATER DEPARTMENT

PLANS FOR
FY20 WASTEWATER TUBERCULATED GRAVITY PIPELINE
REHABILITATION

CONTRACT No.
20-C-00030

CTB - MONOCHROME.CTB

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: MS	CITY of TAMPA WASTEWATER DEPARTMENT	FY20 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION COVER SHEET	W.O.
	3			DRN: MS/JG			SHEET
	2			CKD:			1
	1			DATE: 4/8/20			OF 104

GENERAL NOTES

1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 10", 12", 15", AND 18" DIA WASTEWATER PIPELINE BY CLEANING, DETUBERCULATING, AND INSTALLATION OF CURED IN PLACE PIPE LINER AND ALL APPURTENANCE ASSOCIATED WITH COMPLETION OF THE PROJECT.
2. ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO N.G.V.D. 1929 UNLESS OTHERWISE STATED.
3. SHEETS 47-104 ARE THE EXISTING AS-BUILTS OF THE SEWER PIPE TO BE REHABILITATED.
4. DURING THE MOT, CONTRACTOR MUST MAINTAIN ACCESS TO ALL DRIVEWAYS FOR THE DURATION OF THE PROJECT.
5. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING THE NECESSARY ROAD CLOSURE AND RIGHT-OF-WAY PERMITS FROM THE APPROPRIATE GOVERNMENT AGENCIES HAVING JURISDICTION OVER THE SPECIFIC ROADWAYS.
6. IN ORDER TO OBTAIN ROADWAY CLOSURE OR RIGHT-OF-WAY PERMITS, AT MINIMUM, THE CONTRACTOR MUST SUBMIT DETAILED MAINTENANCE OF TRAFFIC (MOT) PLANS ALONG WITH APPLICATIONS TO THE APPROPRIATE AGENCY. THE MOT(S) SHALL CONFORM TO APPLICABLE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) INDEX DRAWINGS (MOST CURRENT EDITION). THE GOVERNING AGENCIES MAY REQUIRE ADDITIONAL INFORMATION AND DICTATE SPECIFIC WORK TIMES DURING NON-PEAK TRAFFIC HOURS. REFER TO SPECIFIC PROVISIONS FOR SPECIFIC TRAFFIC CONTROL REQUIREMENTS.
7. CONTINUOUS SEWER SERVICE MUST BE MAINTAINED AT ALL TIMES. WORK DURING LOW FLOW PERIODS OR NIGHT WORK MAY BE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PRIVATE AND CITY PUMPING STATIONS AND SEWER SERVICE VIA VACUUM TRUCKS. CONTRACTOR IS RESPONSIBLE FOR DEWATERING, COLLECTING AND DISPOSING OF ALL WATER AND SLUDGE FROM EXISTING FACILITIES AS NECESSARY TO MAINTAIN SERVICE. COST FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS AND NO ADDITIONAL PAYMENT WILL BE MADE.
8. BYPASS PUMPS SHALL BE CAPABLE OF DELIVERING 300 GPM FOR 8" DIA PIPE, 600 GPM FOR 10" DIA PIPE, 800 GPM FOR 12" DIA PIPE, 1400 GPM FOR 15" DIA PIPE AND 1550 GPM FOR 18" DIA PIPE. THE BYPASS PUMPS SHALL BE OF THE SELF PRIMING QUITE FLOW TYPE PUMP. BYPASS PUMP NOISE SHALL STRICTLY COMPLY TO ALL LOCAL REGULATIONS AND ORDINANCES COVERING NOISE CONTROL. THIS MAY REQUIRE CONSTRUCTING SOUND ATTENUATING ENCLOSURE AROUND PUMPS. BYPASS METHOD SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER.
9. THE PROPOSED LINER THICKNESS FOR THE 8" SEWER SHALL BE 6.0 MM THICKNESS, 10"/12"/15" SEWER SHALL BE 7.5 MM THICKNESS AND 18" SEWER SHALL BE 9.0 MM THICKNESS.
10. CONTRACTOR SHALL RESTORE ALL LANDSCAPING, SODDING, SPRINKLER SYSTEM PIPING AND PAVEMENT THAT MAY HAVE BEEN DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL CONDITION OR BETTER.
11. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH WASTEWATER PERSONNEL AND PUMPING STATION OPERATIONS.
12. OSHA STANDARD EQUIPMENT SUCH AS SAFETY HARNESSSES, GAS MONITORS, LOWER EXPLOSIVE LIMIT (LEL) DETECTORS, BREATHING APPARATUS, ETC. SHALL BE UTILIZED WHERE THE WORK DICTATES THEIR USE.
13. FOR THE MANHOLES IN FDOT MAINTAINED ROADWAYS, THE CONTRACTOR SHALL NOTIFY FDOT MAINTENANCE DIVISION AT 744-6038 A MINIMUM OF 48 HOURS PRIOR TO STARTING THE REHABILITATION WORK. THE CITY WILL OBTAIN THE NECESSARY RIGHT OF WAY UTILITY USE PERMIT FROM FDOT. HOWEVER, THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL SIGNAGE IN ACCORDANCE WITH FDOT STANDARD INDEX DRAWINGS (MOST CURRENT EDITION)

INDEX	
SHEET NUMBER	SHEET NAME
1	COVER SHEET
2	NOTE AND INDEX
3	PROJECT LOCATIONS
4 - 46	AREA MAPS
47 - 104	Wastewater Record Drawings For Reference

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

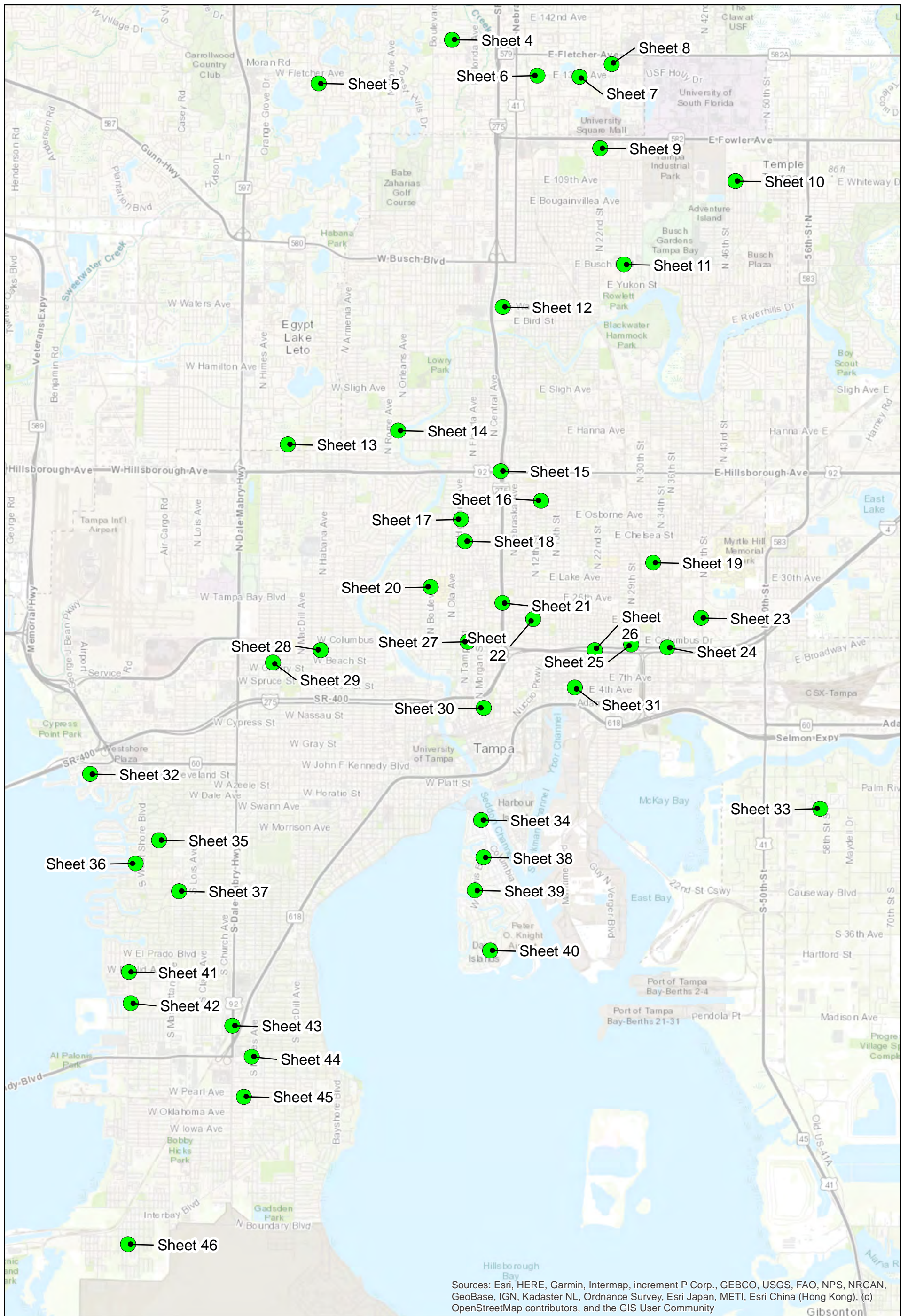
ASSET TABLE

	FID	PIPE SIZE	LENGTH OF PIPE	ASBUILT #	LOCATION
1	278777	8	45	105-054	ADJ TO INLET PIPE AT HANNA PS
2	298234	8	239	103-015	BUSCH BLVD & N 27TH ST
3	294311	8	328	022-037	I-275 & E FRIERSON AVE
4	275201	8	77	251-021	W DAVIS BLVD & CHESAPEAKE AVE
5	296274	8	403	128-009	PADDOCK AVE & LAKE STALL LN
6	285026	8	90	006-006	FAIR OAKS & CHURCH
7	285027	8	203	006-006	FAIR OAKS & CHURCH
8	285028	8	213	006-006	FAIR OAKS & CHURCH
9	281252	8	188	142-019	PROCLAMATION DR & OLA
10	281981	8	37	122-034	KIRKLAND DR; PALM RIVER PS INLET
11	278590	8	40	015-036	STERLING AVE
12	279037	8	35	166-009	E 132ND AVE & N 23RD ST
13	279032	8	333	166-009	N 23RD ST - E 133RD AVE TO 132ND AVE
14	2001940	8	133	166-015	19TH ST & 131ST AVE
15	1923394	8	48	MWO 4291	E 131ST AVE - E OF N NEBRASKA AVE (SERVES 13025 N NEBRASKA AVE)
16	291067	8	266	122-002	N 21ST ST - B/W E 11TH AVE & E 12TH AVE
17	293302	8	325	076-010	ESMT E OF 275, N OF BIRD
18	297642	8	333	119-001	PALMETTO - E OF HIMES
19	297350	8	168	021-031	ALLEY/ESMT ADJ TO TAMPA ST - S OF COLUMBUS
20	297351	8	25	021-031	ALLEY/ESMT ADJ TO TAMPA ST - S OF COLUMBUS
21	294486	8	347	NONE	N MORGAN ST - S OF SCOTT ST
22	294479	8	370	NONE	N JEFFERSON ST - B/W SCOTT ST & E LAUREL ST
23	2811652	8	74	011-002	FERNCROFT & WATROUS
24	2826838	8	220	172-007	S MANHATTAN AVE & W PALMIRA AVE
25	277890	8	265	156-023	W BRADLEY ST & S WESTSHORE BLVD
26	274923	8	49	NONE	10TH ST & 17TH AVE
27	274894	8	333	NONE	25TH AVE & 12TH ST
28	291386	8	127	001-021	ANGEL OLIVA SR ST - N OF E 4TH AVE
29	291387	8	261	001-021	ANGEL OLIVA SR ST & E 5TH AVE
30	286075	8	164	076-021	ALLEY/ESMT
31	280293	8	400	018-024	ALLEY/ESMT
32	280297	8	400	018-024	ALLEY/ESMT
33	279391	8	153	NONE	E 17TH AVE & N 10TH ST
34	286074	8	250	076-021	MITCHELL & FAIR BANKS
35	294040	8	711	NONE	ALLEY/ESMT
36	282145	8	338	230-029	ALLEY N OF W HILDA ST; E OF N HIGHLAND AVE
37	279843	8	250	NONE	ESMT N OF W VIRGINIA AVE; W OF N HIGHLAND AVE
38	297628	8	102	033-034	ST CONRAD & LINCOLN
39	297633	8	260	033-032	N LINCOLN AVE - PALMETTO TO BEACH
40	279442	8	58	159-002	DANUBE AVE & BOSPHORUS AVE
41	279445	8	239	159-002	DANUBE AVE - B/W BALTIC CIR & W DAVIS BLVD
42	275281	8	133	012-018	ONTARIO & SEVERN
43	289172	8	197	105-046	ALLEY/ESMT
44	2898246	8	380	023-029	N 22ND ST - N OF E 115TH AVE
45	279394	8	387	NONE	17TH AVE & 10TH ST
46	274879	8	185	NONE	N 12TH ST - B/W 24TH AVE & 25TH AVE
47	3066017	8	42	027-010	INTERSECTION OF N 40TH ST & E 19TH AVE
48	284685	8	302	047-028	35TH ST & COLUMBUS
49	297553	8	150	019-013	ST JOHN ST & HABANA
50	297647	8	256	110-010	N LINCOLN AVE - W ST JOHN ST TO W ST CONRAD ST
51	294499	8	350	NONE	E HARRISON ST - N PIERCE ST TO N ORANGE AVE
52	297918	8	279	113-029	GANDY & HIMES
53	288709	8	139	011-004	UNDER HOUSE
54	275282	8	100	012-018	ONTARIO & SEVERN (IN ALLEY/ESMT)
55	277255	8	350	075-006	W WALLCRAFT AVE - B/W WESTSHORE BLVD & S RENELLIE DR
56	279390	8	208	NONE	10TH ST & 19TH AVE
57	282126	8	165	NONE	LOUISIANA & HIGHLAND
58	294021	8	715	NONE	ALLEY E OF N HIGHLAND AVE; N OF W EMMA ST
59	294024	8	716	NONE	ALLEY E OF HIGHLAND, N OF CHELSEA

	FID	PIPE SIZE	LENGTH OF PIPE	ASBUILT #	LOCATION
60	294030	8	714	NONE	ALLEY E OF HIGHLAND, S OF CHELSEA
61	297632	8	335	110-010	N LINCOLN AVE - W BEACH ST TO W ST CONRAD ST
62	2826839	8	250	172-007	W PALMIRA AVE & S HUBERT AVE
63	297641	8	330	119-001	W PALMETTO ST & N GLEN AVE
64	289169	8	58		
65	1338289	8	300	122-046	W GROVE ST - E OF N LINCOLN AVE
66	272945	8	267	047-016	ALLEY/ESMT
67	294330	8	322	NONE	E WILDER AVE & N 12TH ST
68	294427	8	144	025-031	ALLEY/ESMT
69	293718	8	558	NONE	ALLEY N OF E LOUISIANA, W OF N 13TH ST
70	290905	10	203	179-019	S WESTSHORE BLVD - S OF W SAN RAFAEL ST
71	3108105	10	92	B002-030; SPE 304	GRASSY AREA B/W DALE MABRY & SELMON EXPY
72	288996	10	47	004-052	INLET PIPE TO HOOVER PS
73	274219	10	255	027-013	E 21ST AVE - E OF N 39TH ST
74	274226	10	362	114-027	
75	298225	10	340	102-022	N 26TH ST & BUSCH BLVD
76	289170	10	93	105-046	MELROSE & OCCIDENT
77	274229	10	350	114-028	N 40TH ST - S OF E 26TH AVE
78	295188	10	252	002-023	W VIRGINIA AVE & N DARTMOUTH AVE
79	291773	10	250	122-051	WHITEWAY & OJUS
80	1902121	12	60	123-027	COLUMBIA DR - N OF ARBOR PL
81	277247	12	280	075-004	WESTSHORE BLVD - B/W W EUCLID AVE & W BAY VILLA AVE
82	298355	12	21	005-032	COACHMAN PS INLET PIPE
83	284683	12	250	041-017	COLUMBUS DR -
84	291325	12	317	B030-014	N 22ND ST - E COLUMBUS DR TO E 15TH AVE
85	295161	12	266	NONE	N BLVD @ W FRILBEY ST
86	295164	12	317	NONE	N BLVD @ W PENINSULAR ST
87	286531	12	235	123-027	COLUMBIA DR - S OF ARBOR PL
88	293727	12	307	NONE	N TALIAFERRO - S OF E HILLSBOROUGH AVE
89	295169	12	323	NONE	N BLVD
90	295166	12	320	NONE	N BLVD & WOODLAWN
91	2902743	12	15	B030-016	N 29TH ST & E 15TH AVE
92	272913	15	107	041-016	N 35TH ST - JUST S OF I-4
93	272910	15	355	041-017, B030-019	N 35TH ST - S OF E COLUMBUS DR
94	294754	18	325	022-037	COMANCHE & 275
95	295701	18	370	040-015	E COMANCHE AVE & N CENTRAL AVE
96	278641	10	295	022-035	

PLOTTED BY: Michael F. Salgado
 DRAWING FILE K:\Wastewater Projects\FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation\DWG\FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation.dwg
 PLOT DATE: Monday, April 27, 2020
 LAST SAVED BY: ssi/ CTB - MONOCHROME.CTB

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr><td>3</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>1</td><td></td><td></td></tr> </tbody> </table>	No.	DATE	REVISIONS	3			2			1			DES: MS DRN: MS/JG CKD: DATE: 4/8/20	<h3 style="margin: 0;">CITY of TAMPA</h3> <p style="margin: 0;">WASTEWATER DEPARTMENT</p>	<h2 style="margin: 0;">FY20 WASTEWATER TUBERCULATED GRAVITY PIPELINE REHABILITATION NOTE AND INDEX</h2>	SHEET <h1 style="margin: 0;">2</h1> OF 104
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FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

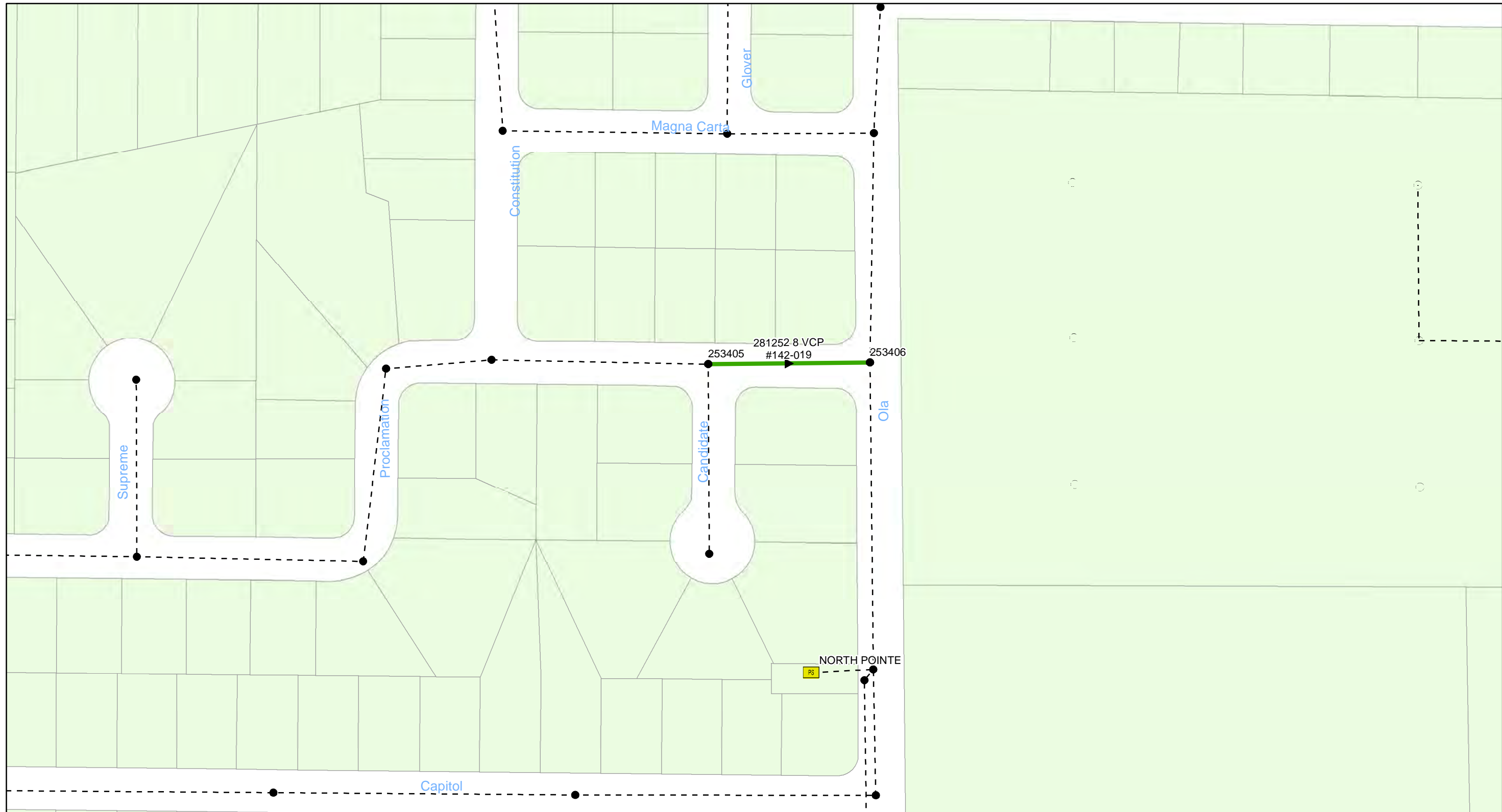
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● Project Locations



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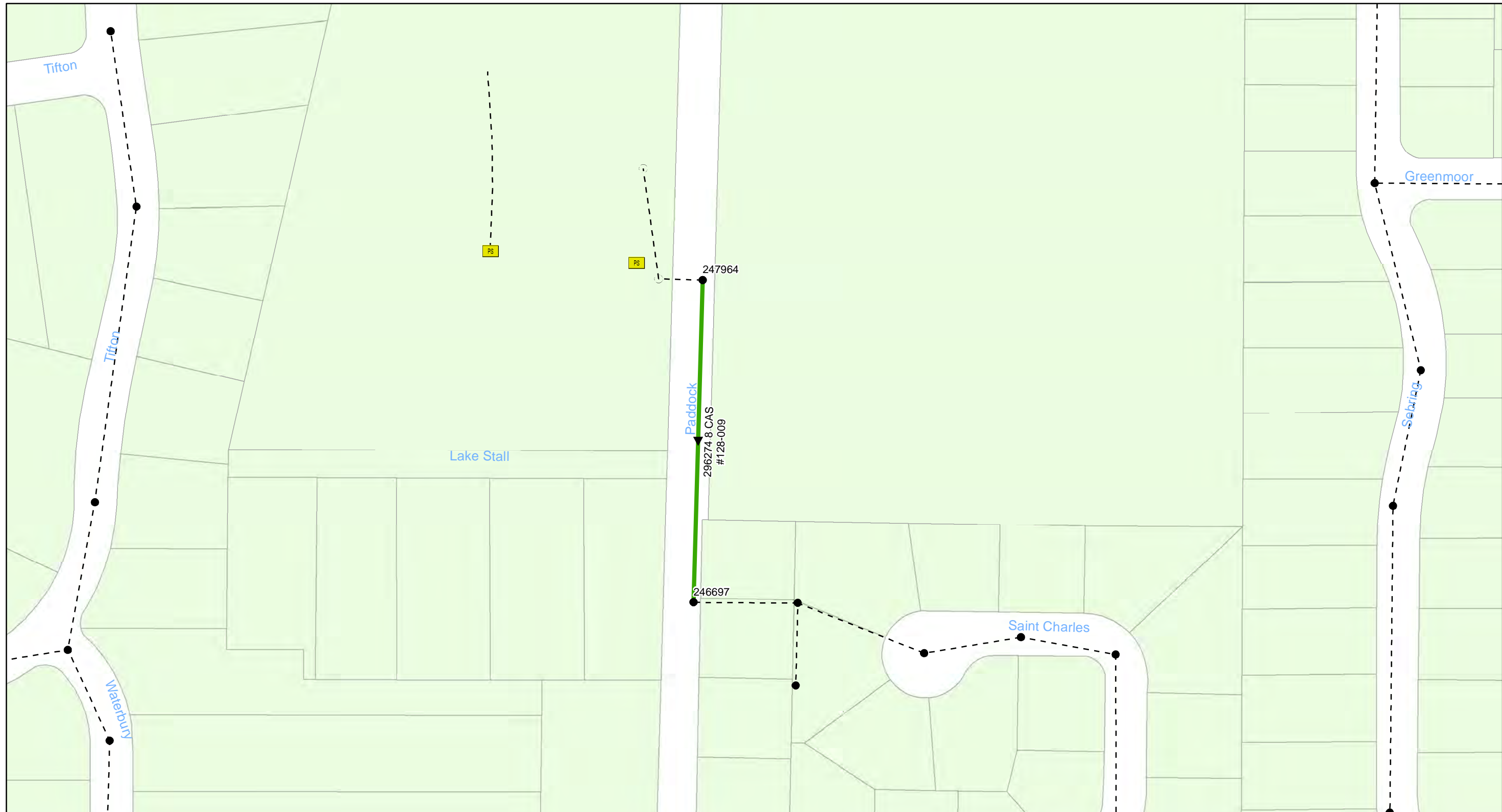


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)





0 0.0175 0.035 0.07 Miles

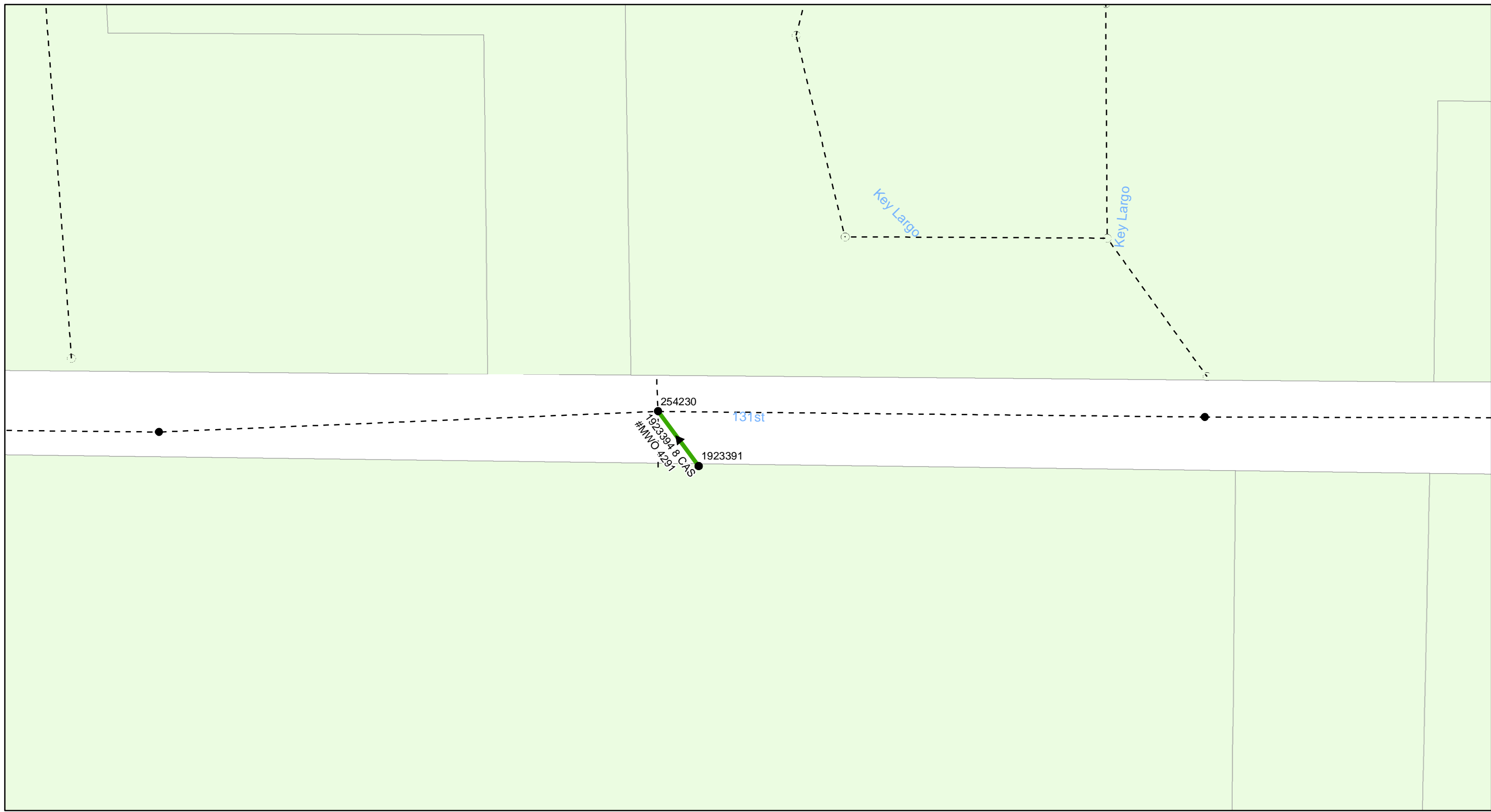
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
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Legend

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0 0.01 0.02 0.04 Miles

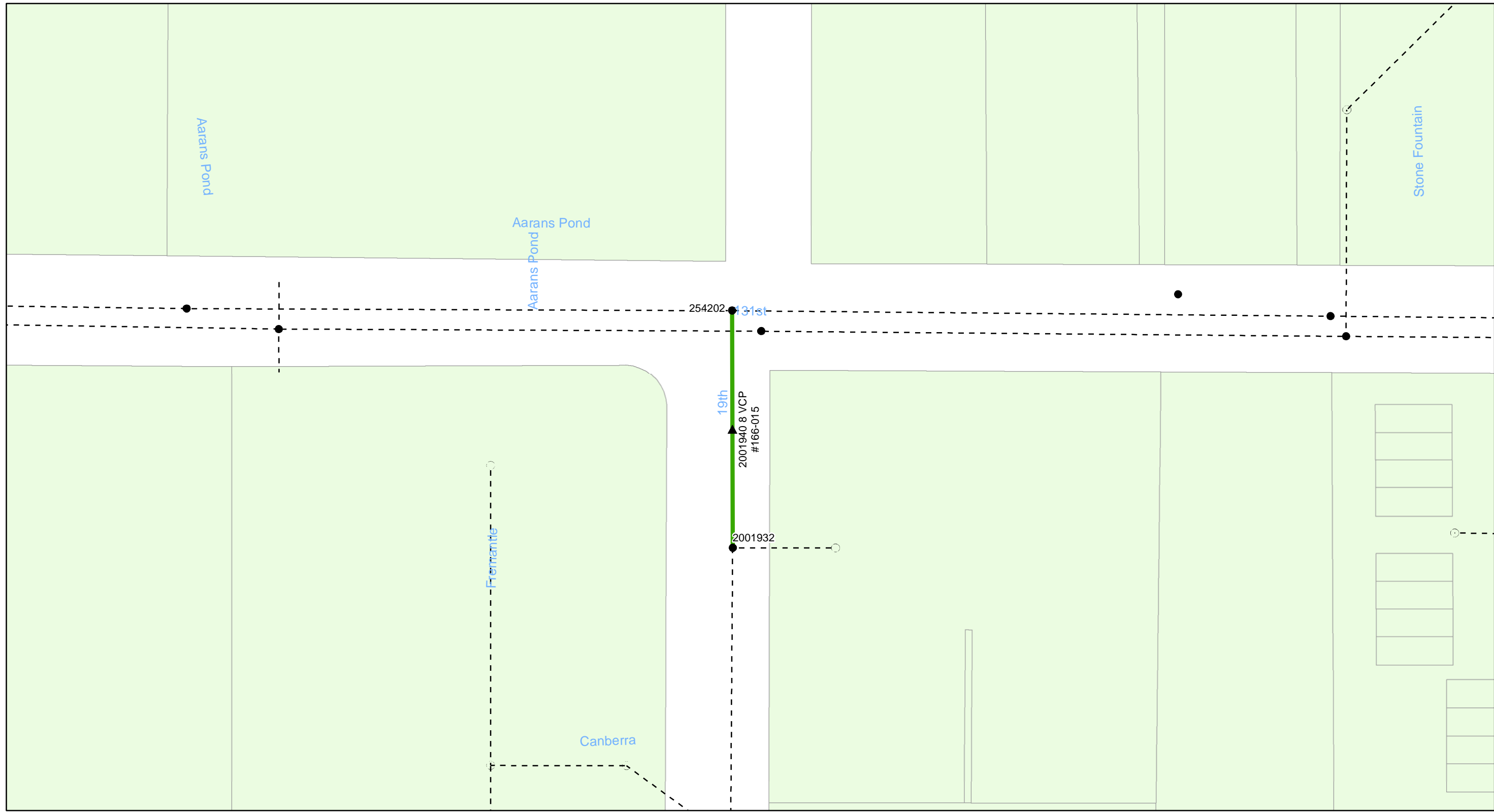
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City of Tampa Wastewater Department

Legend

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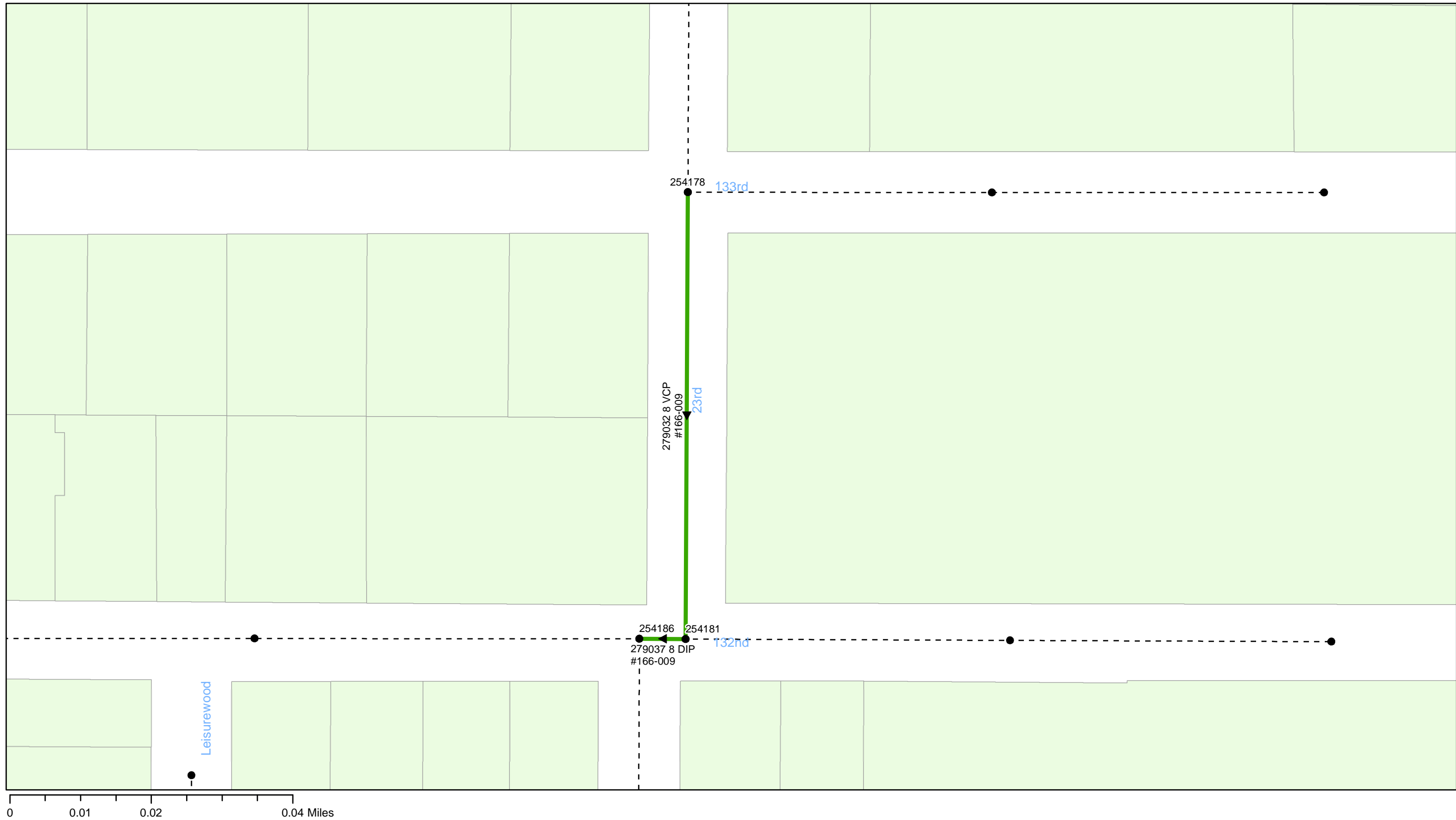


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Legend

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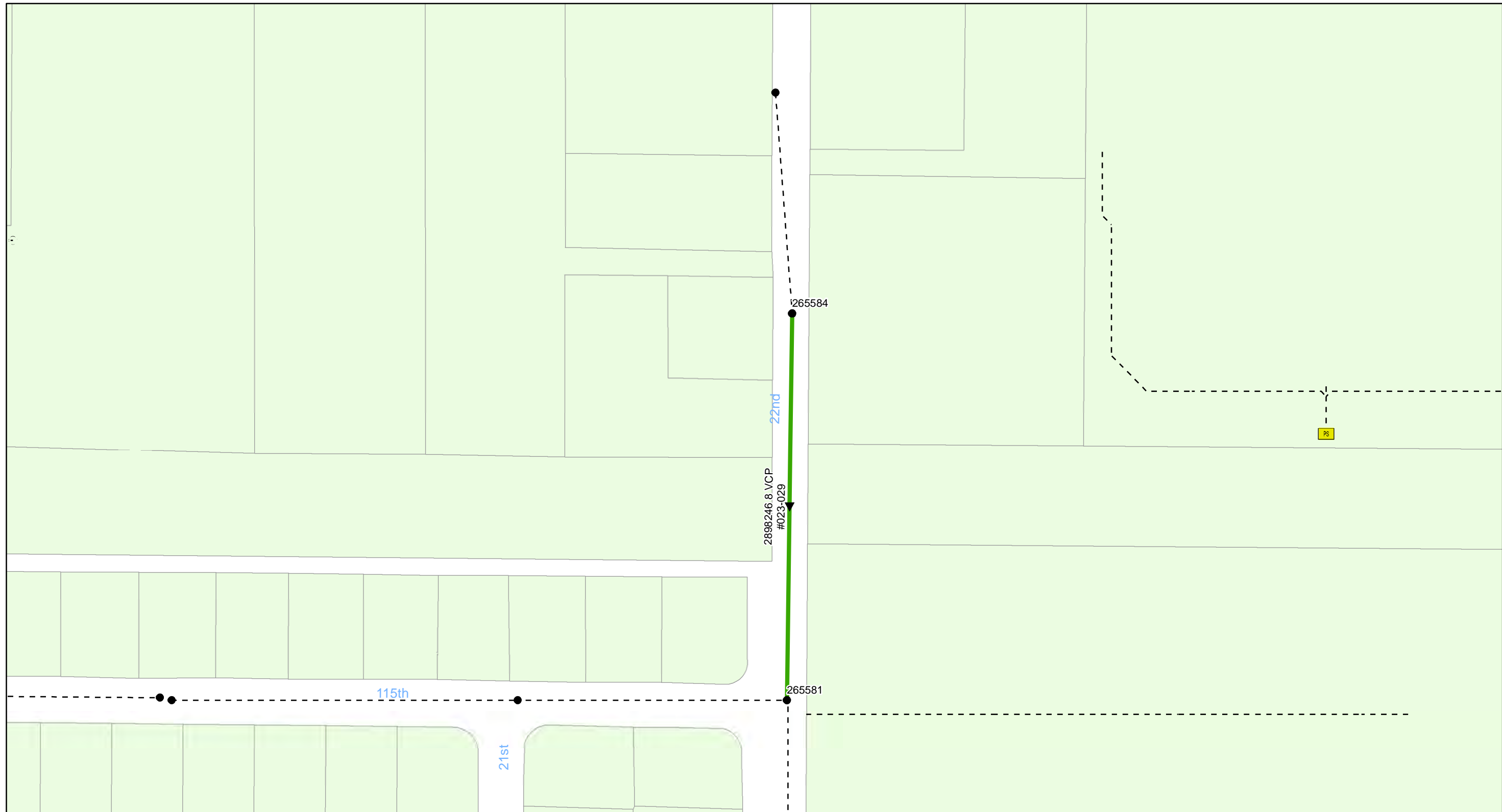


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
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Legend

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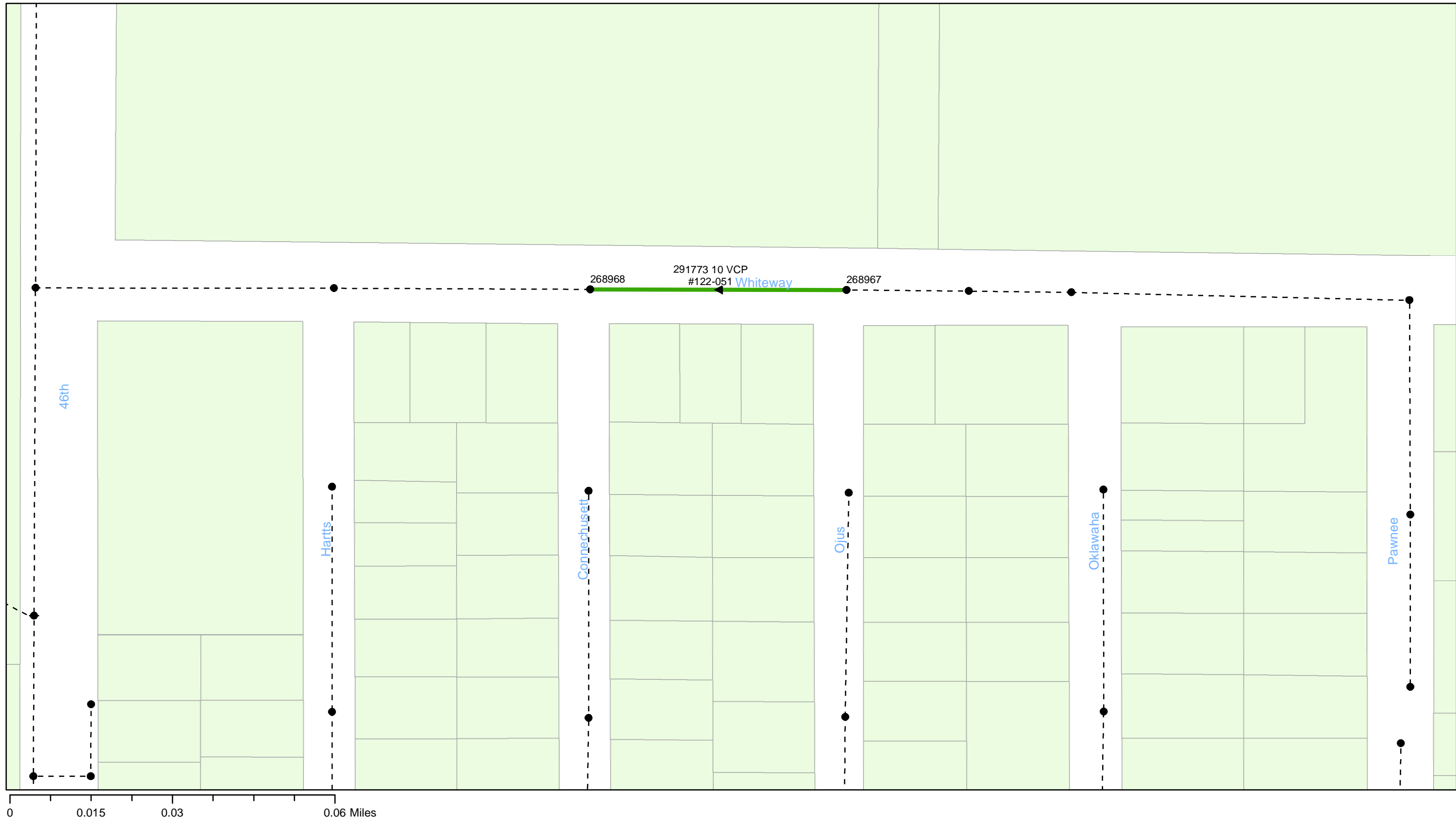


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
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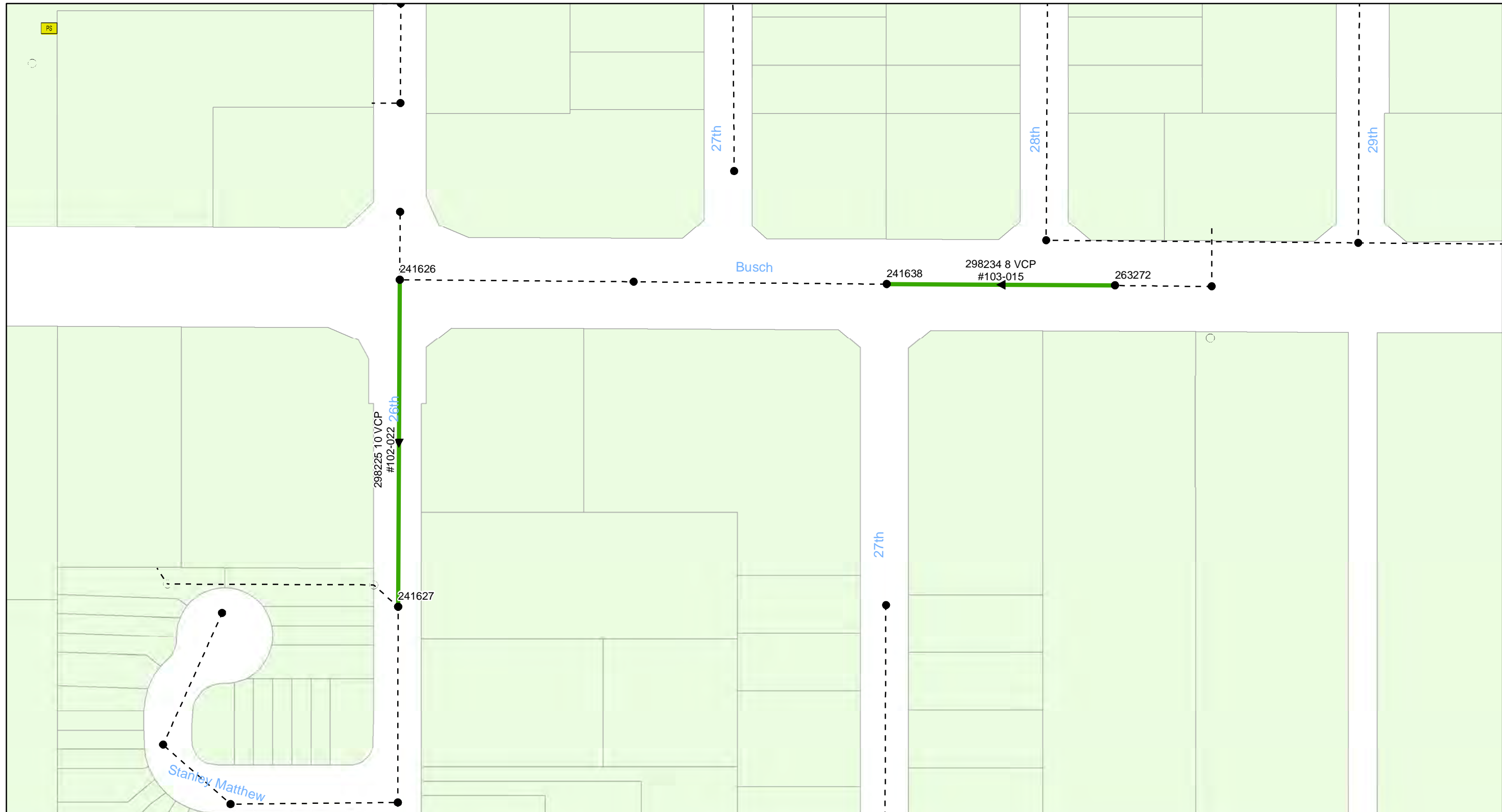


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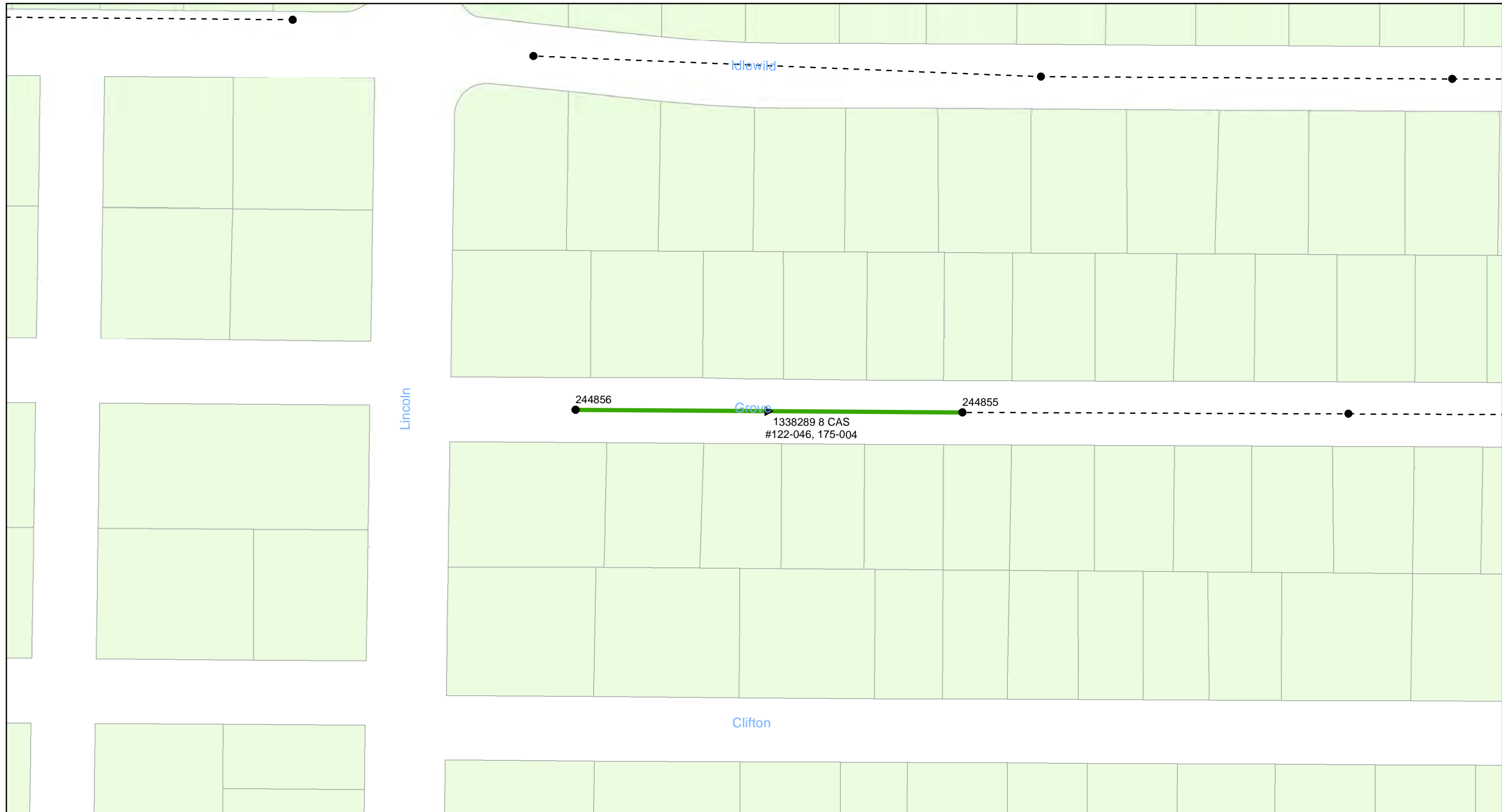


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Legend

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0 0.01 0.02 0.04 Miles

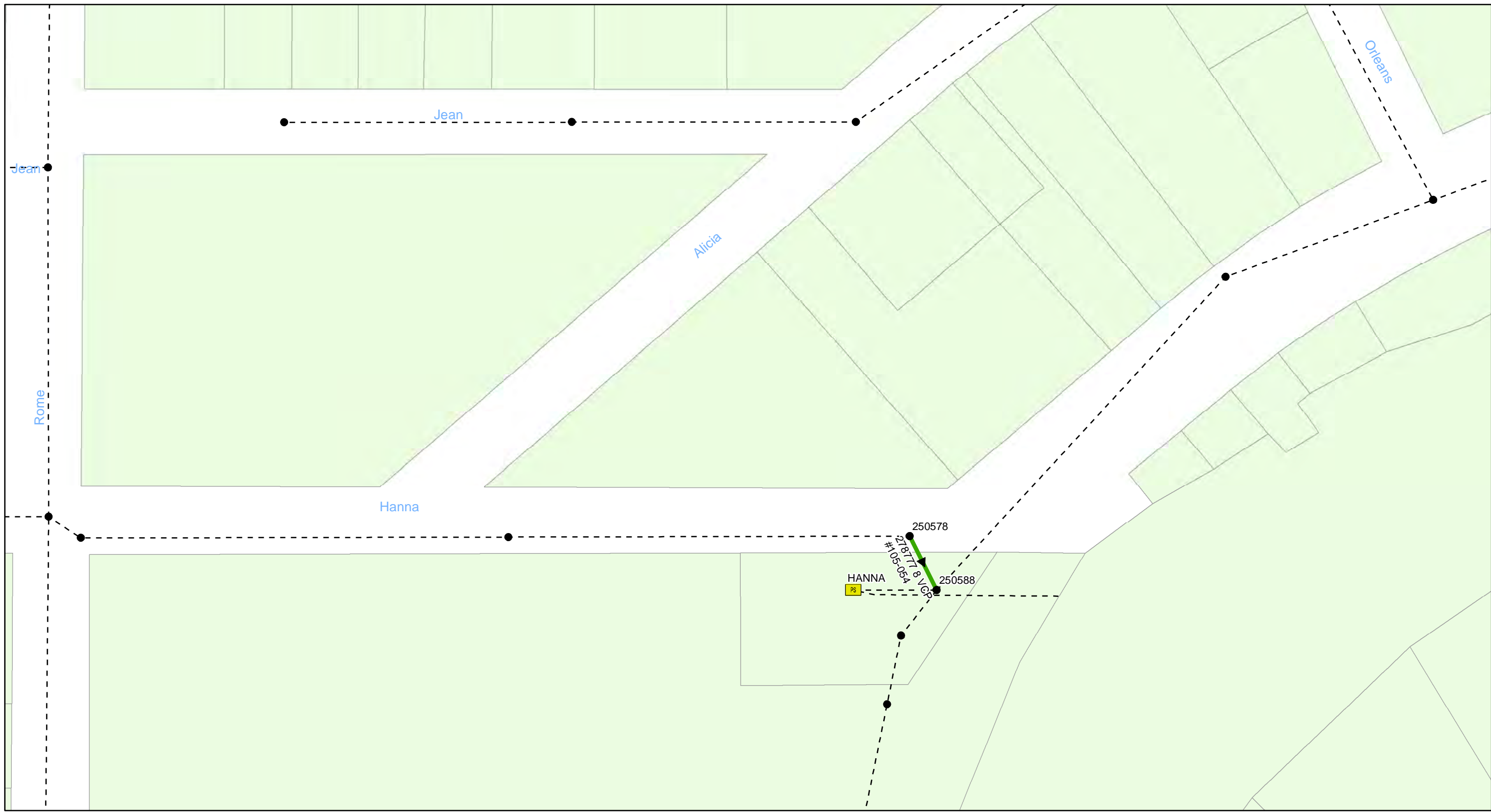
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City of Tampa Wastewater Department

Legend

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0 0.01 0.02 0.04 Miles

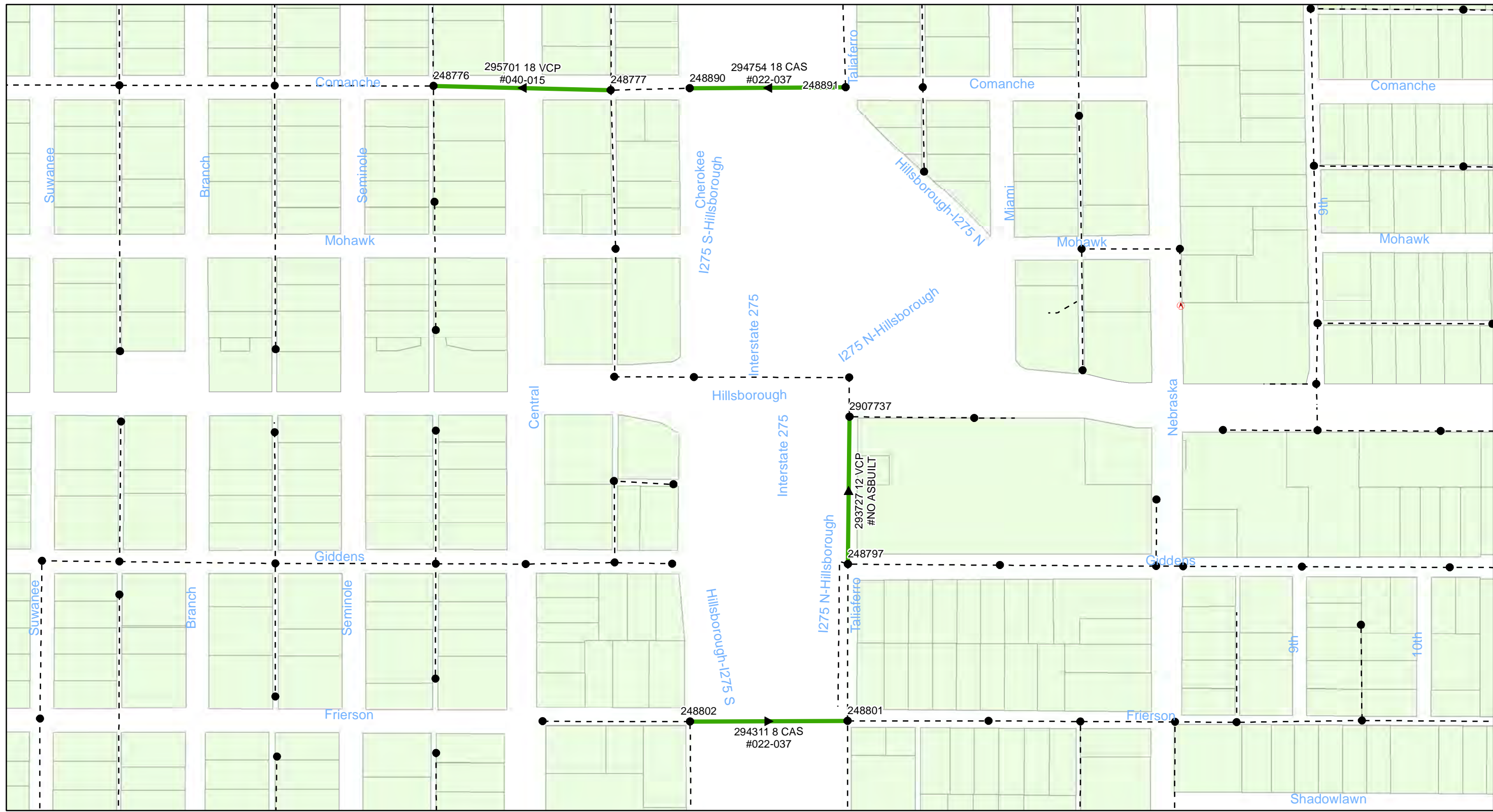
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0 0.0325 0.065 0.13 Miles

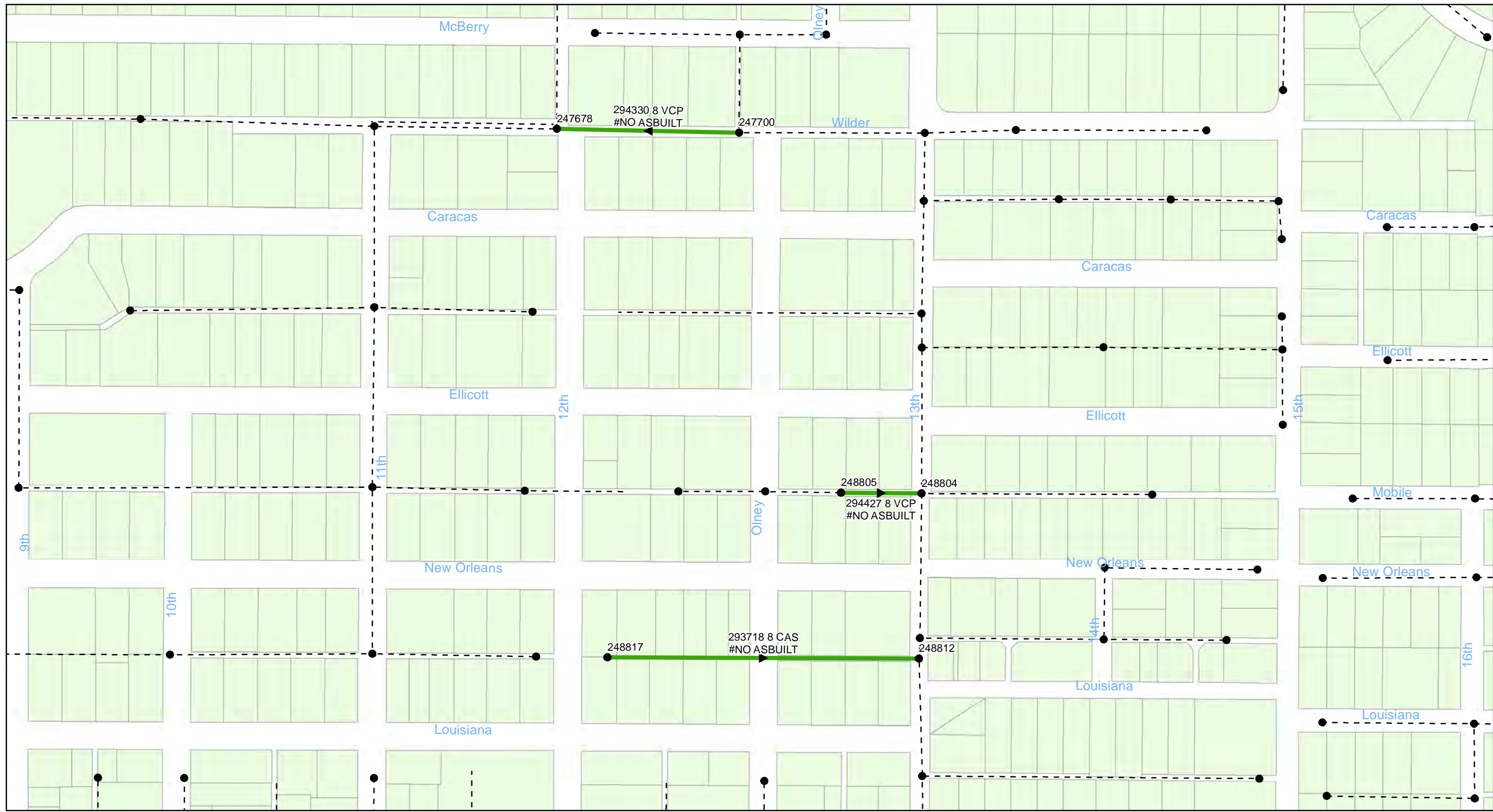
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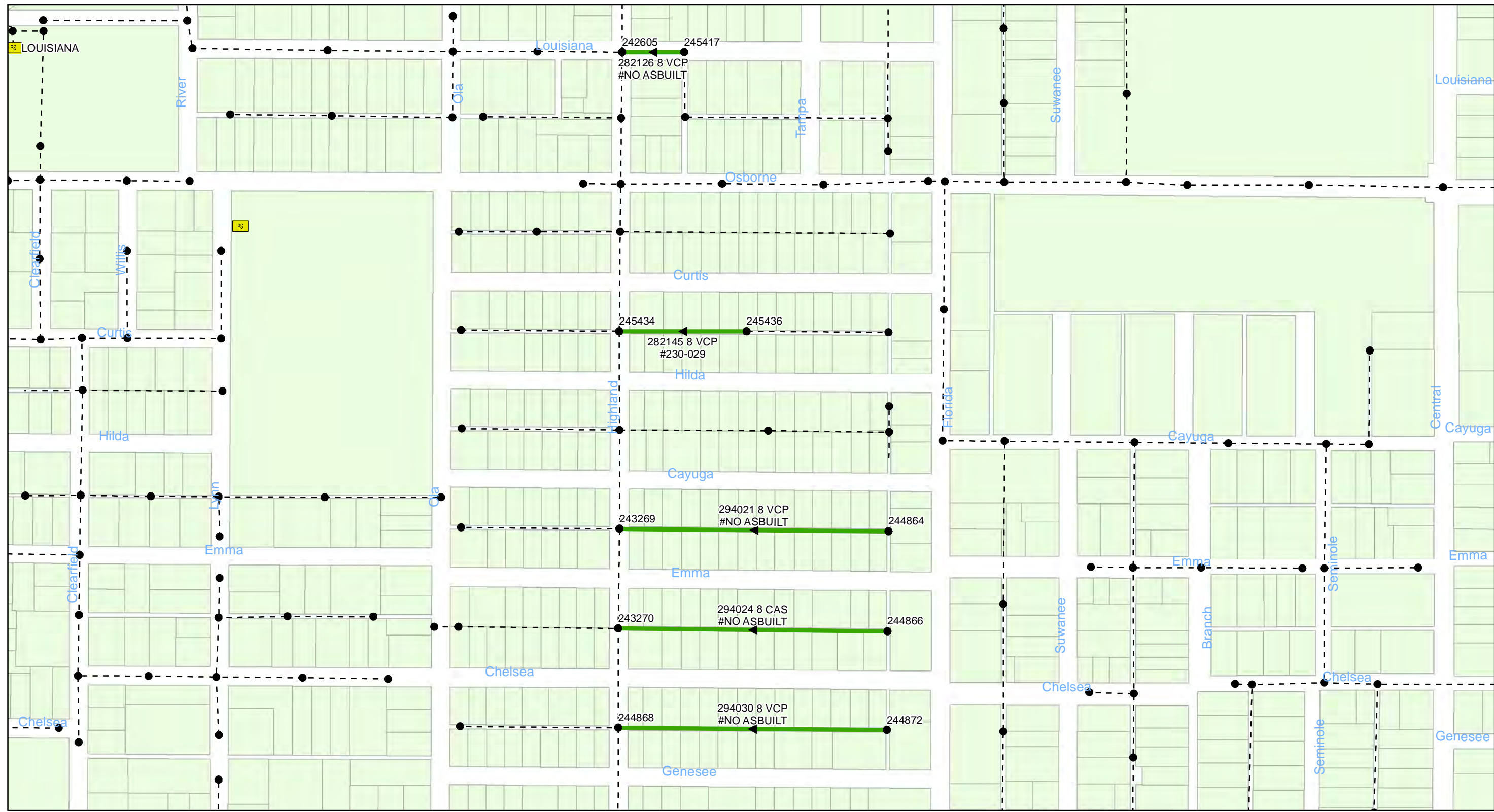


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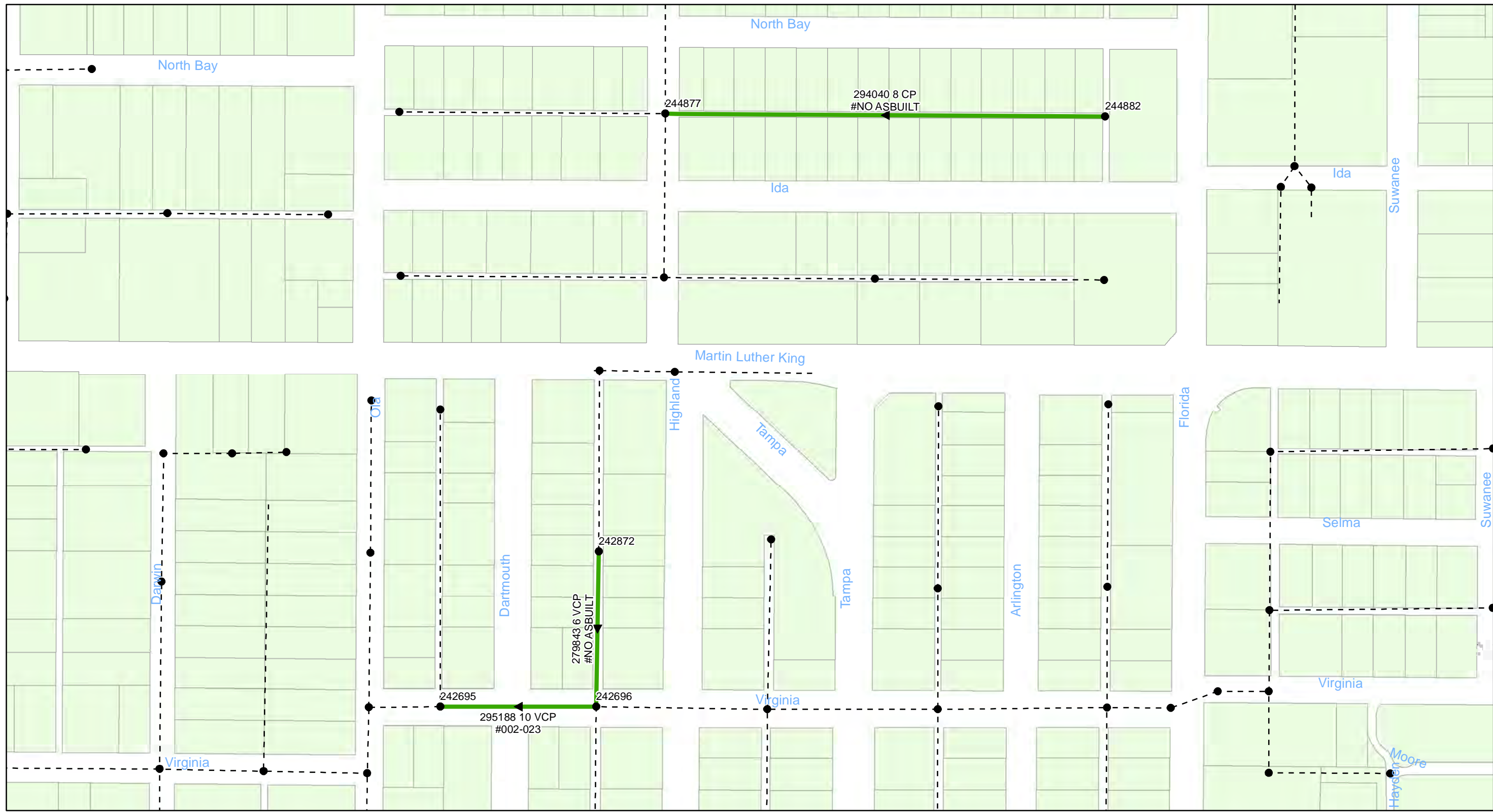


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City of Tampa Wastewater Department

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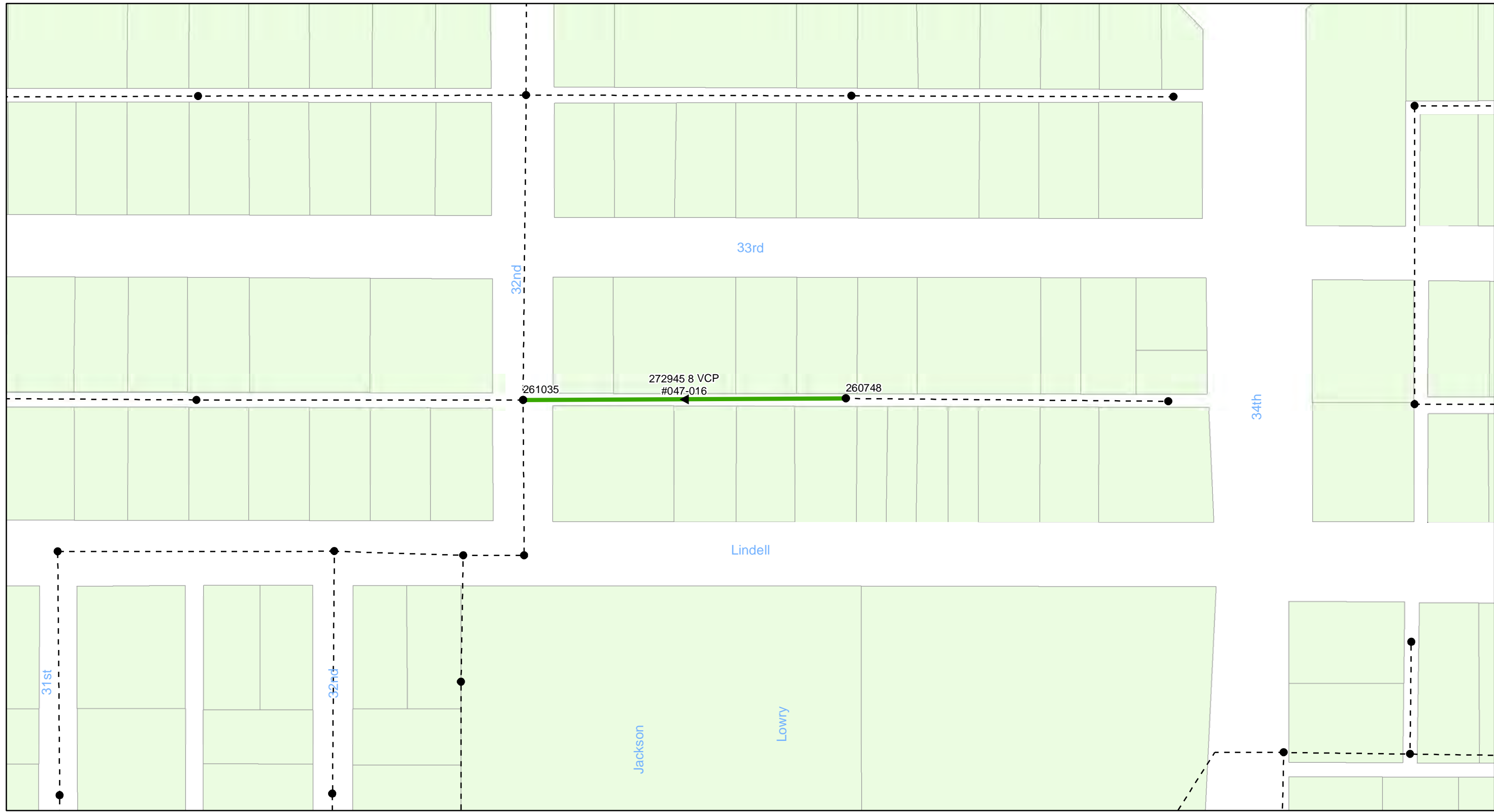


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

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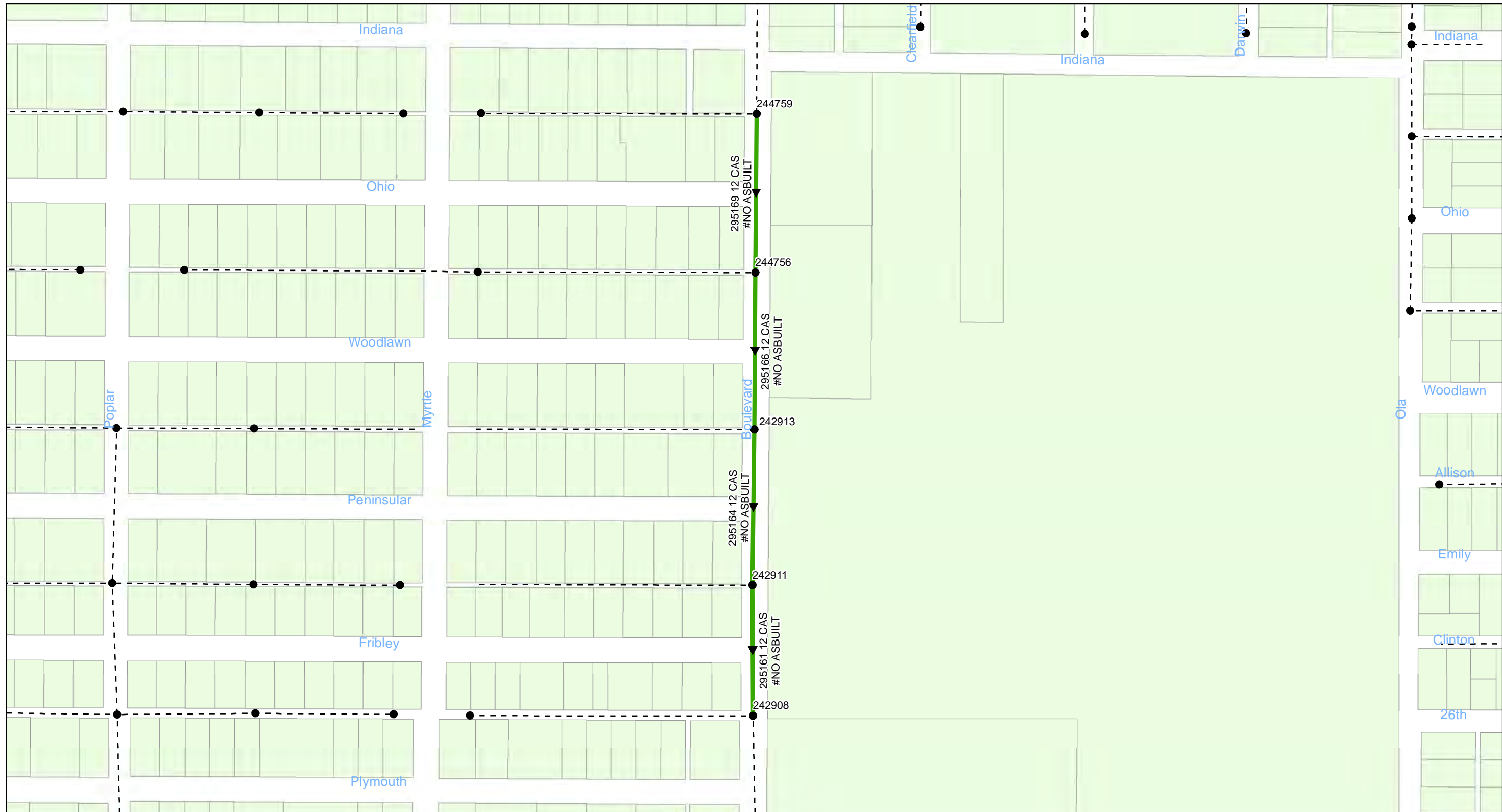


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
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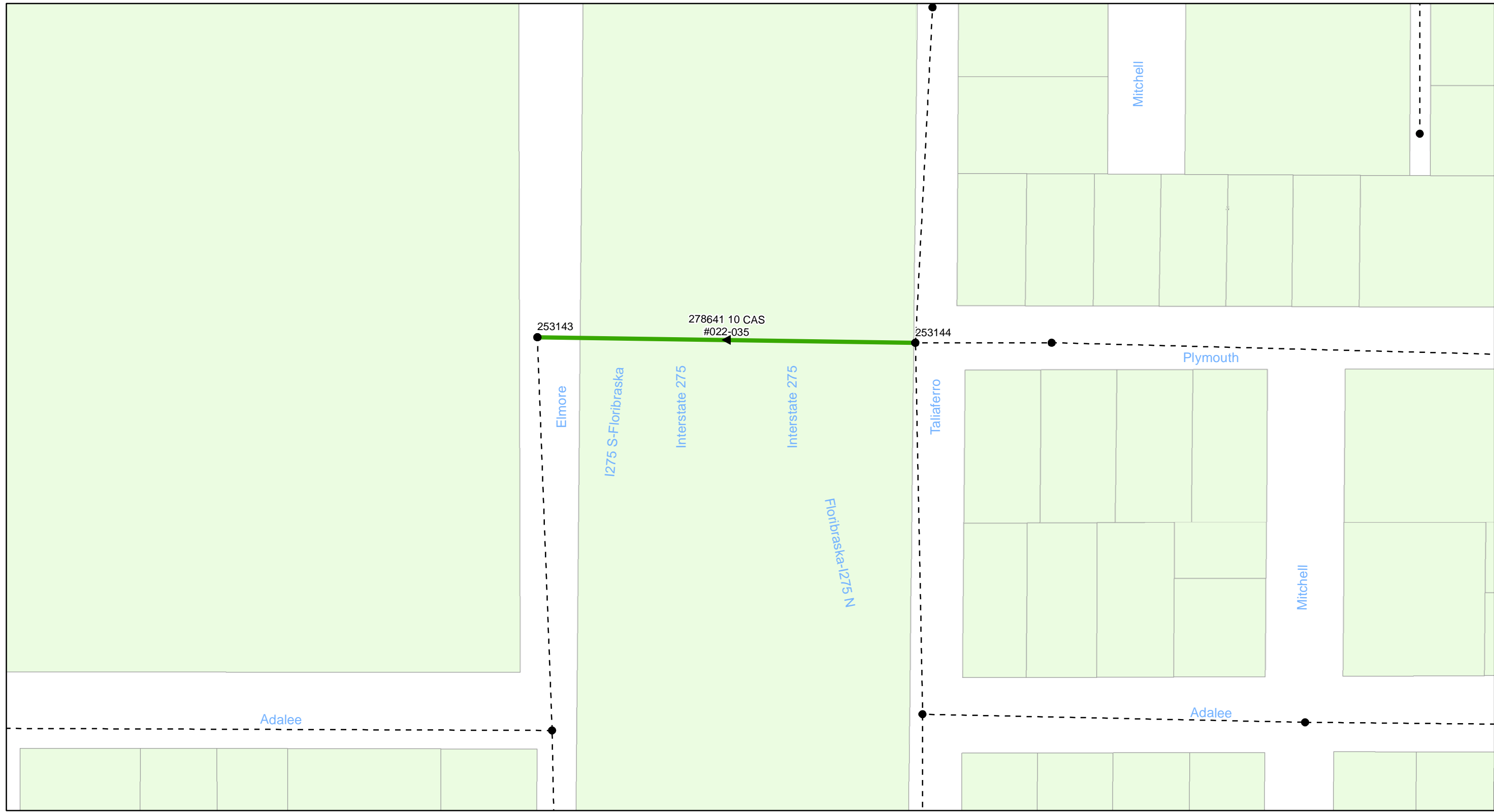


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
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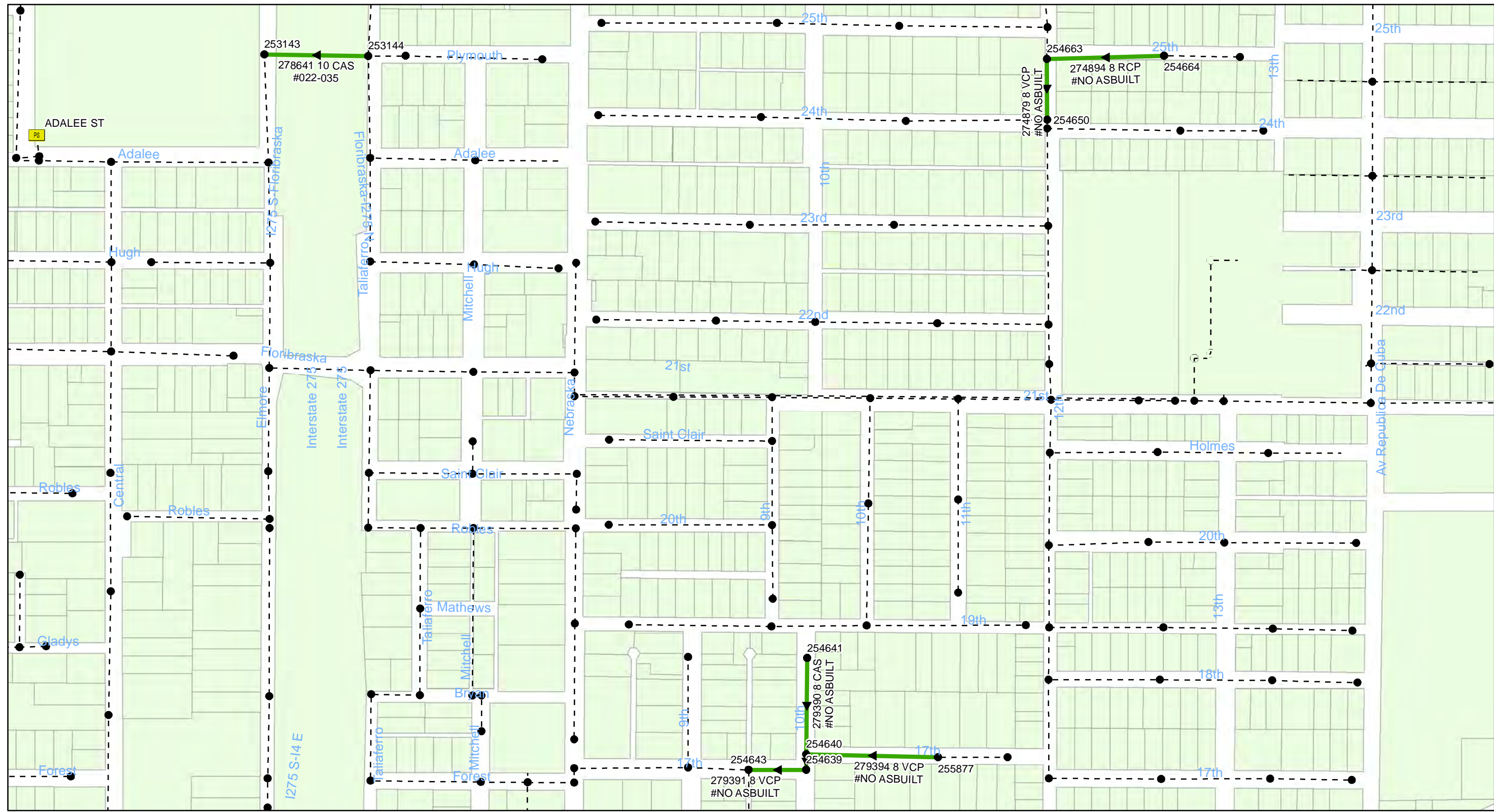


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

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0 0.045 0.09 0.18 Miles

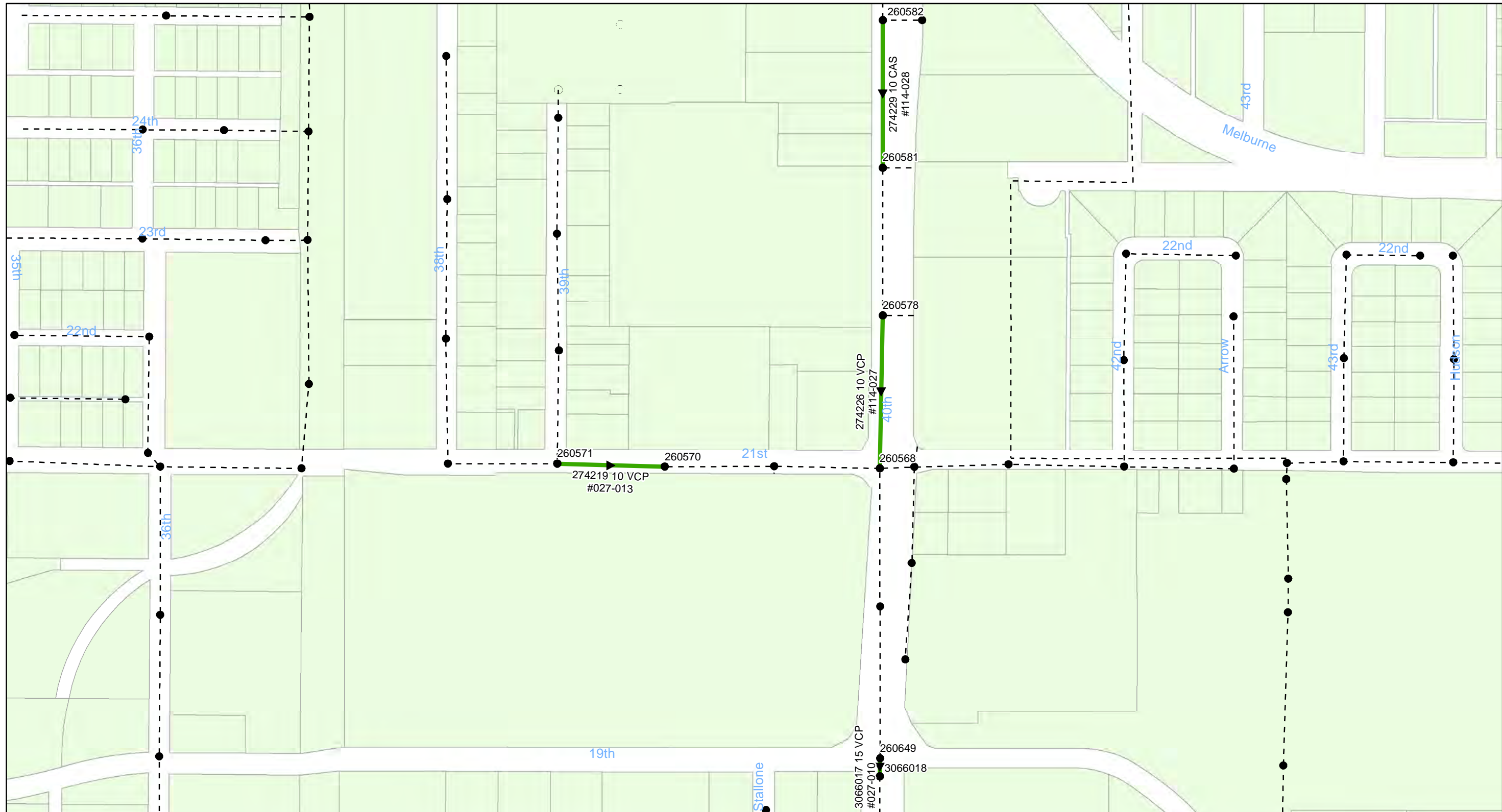
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

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



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FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)





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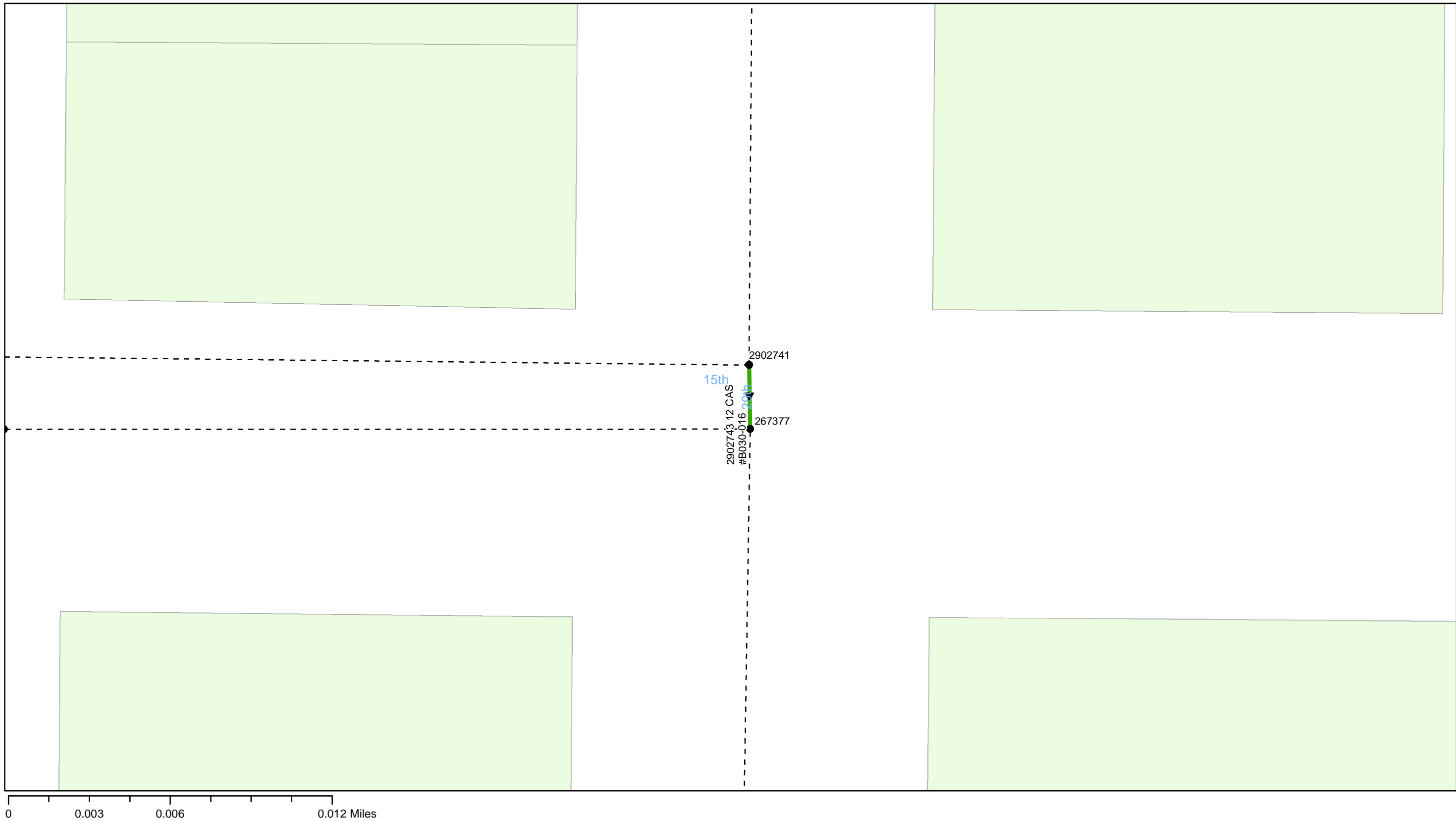
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

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



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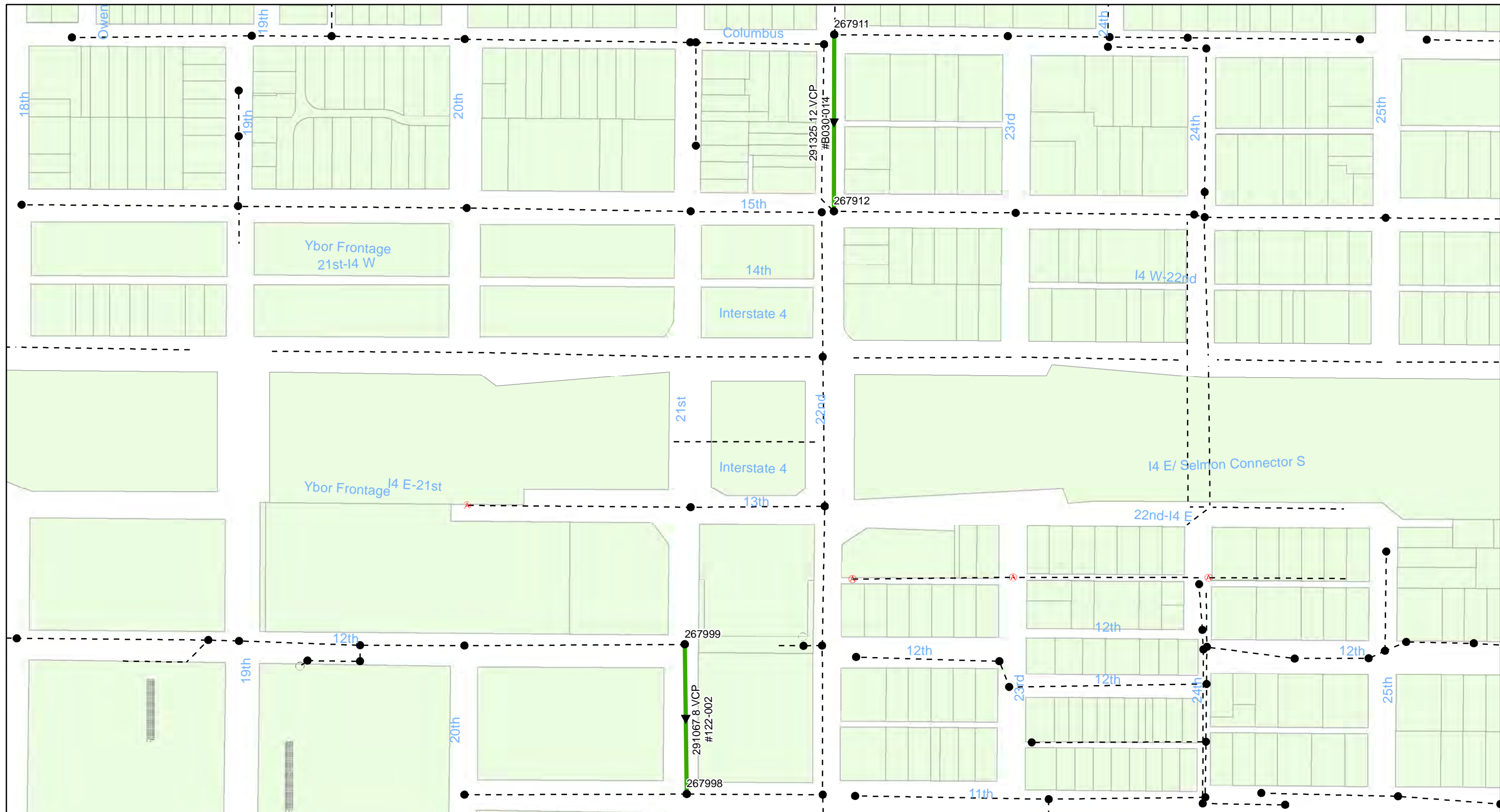
0 0.003 0.006 0.012 Miles

FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

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- PS Pump Station
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0 0.0275 0.055 0.11 Miles

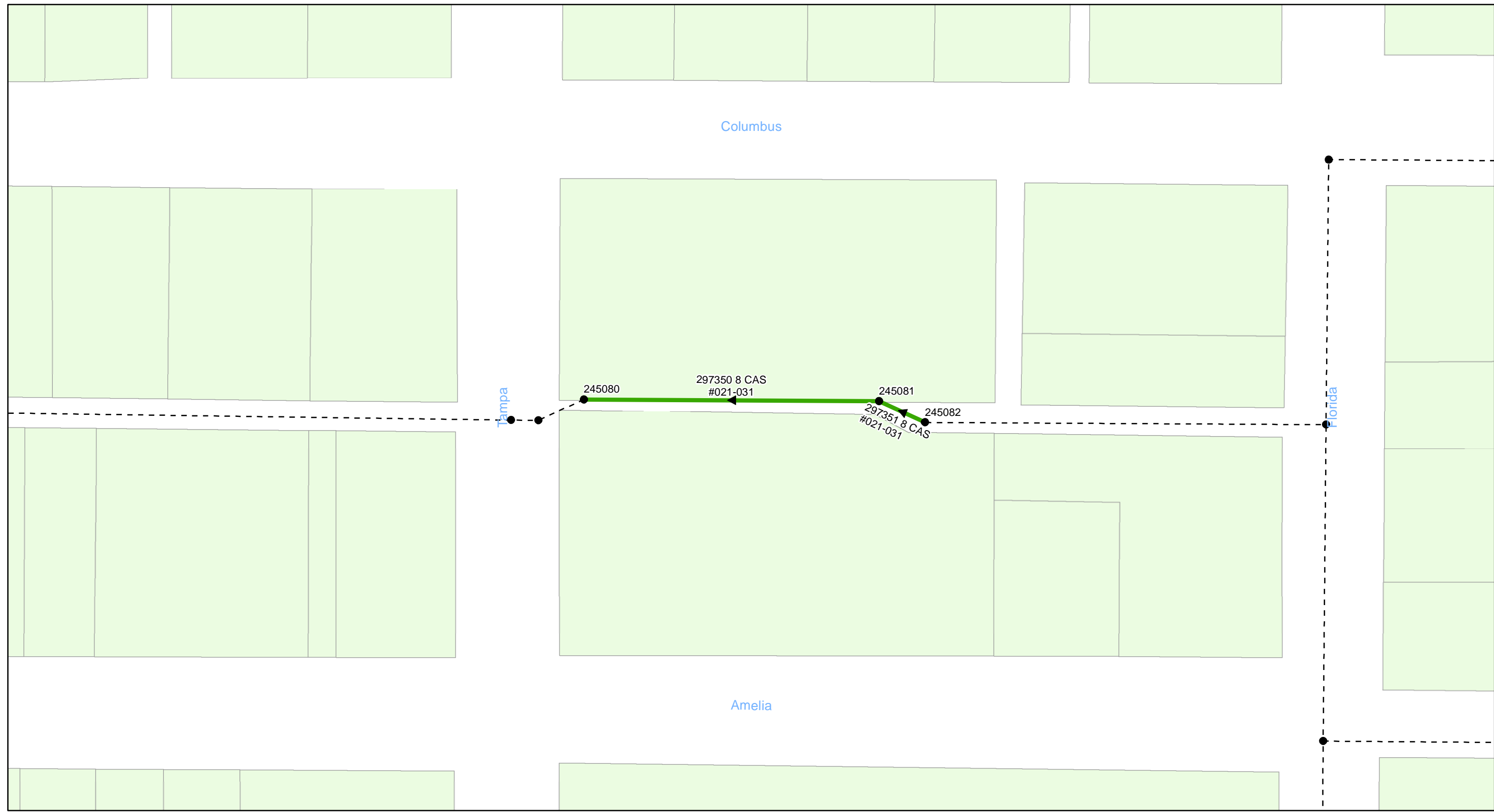
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - Ex Wastewater (no rehabilitation required)



Sheet No.
26
of 104

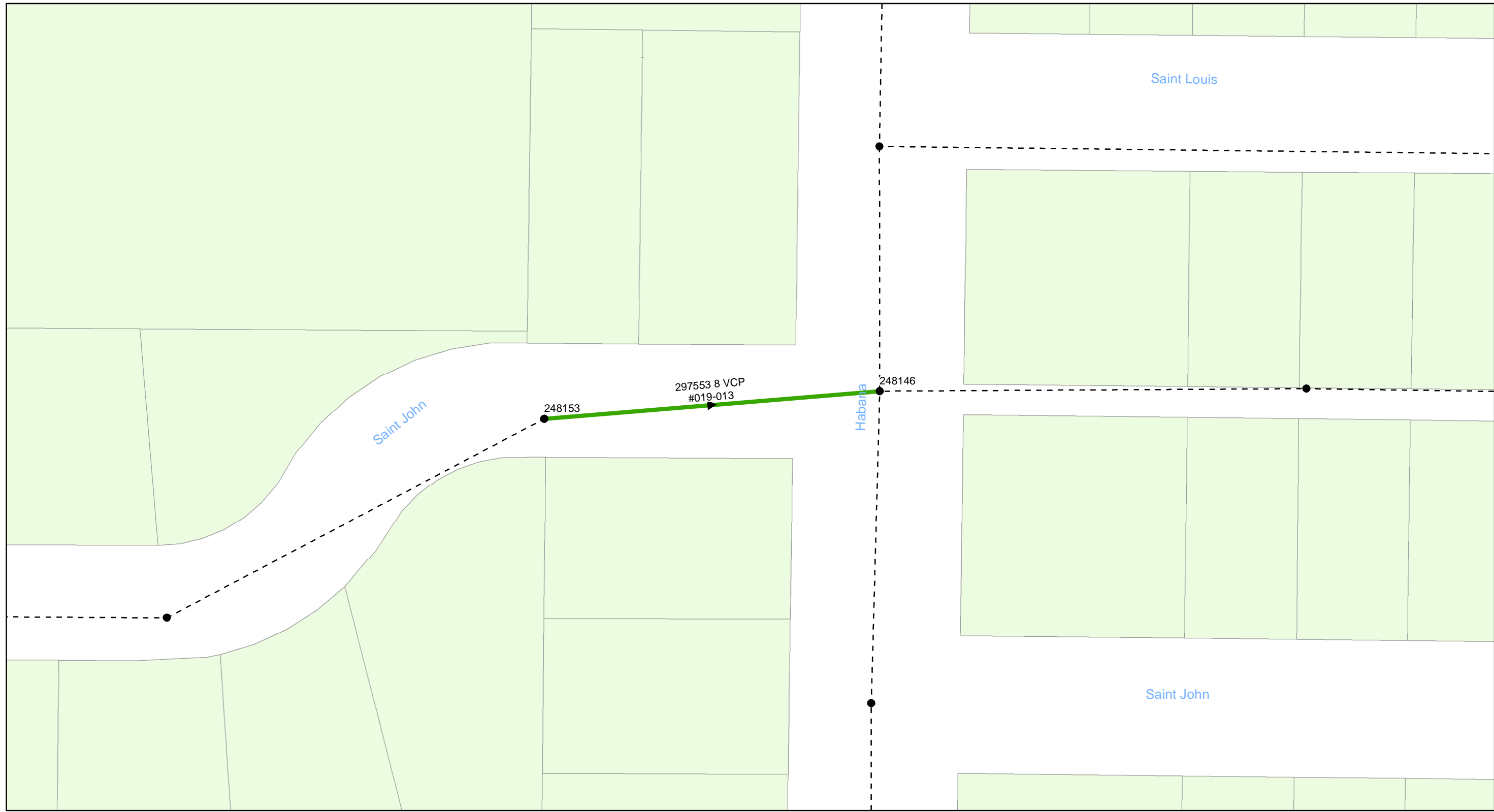


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)





0 0.005 0.01 0.02 Miles

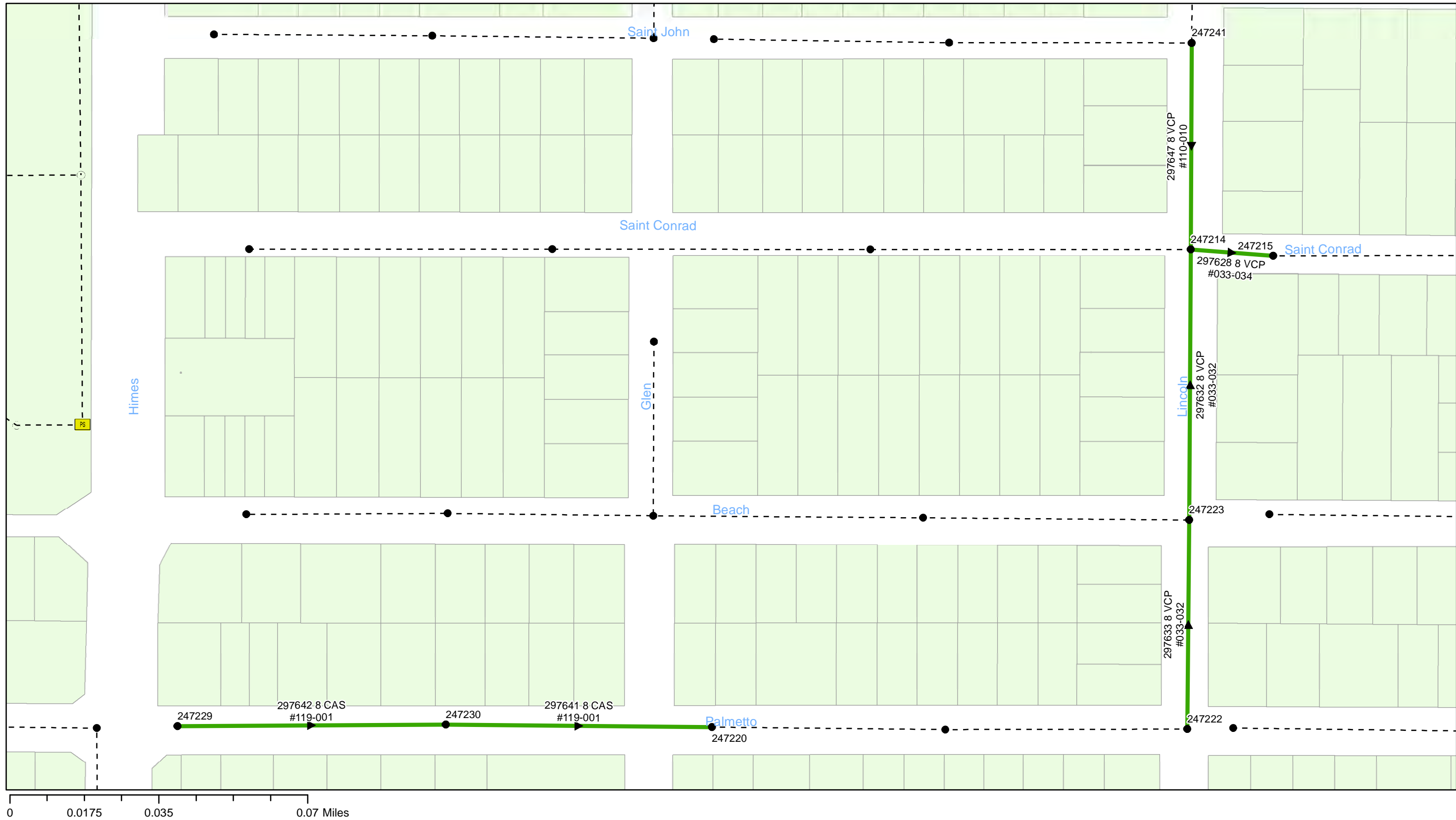
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



Sheet No.
28
of 104

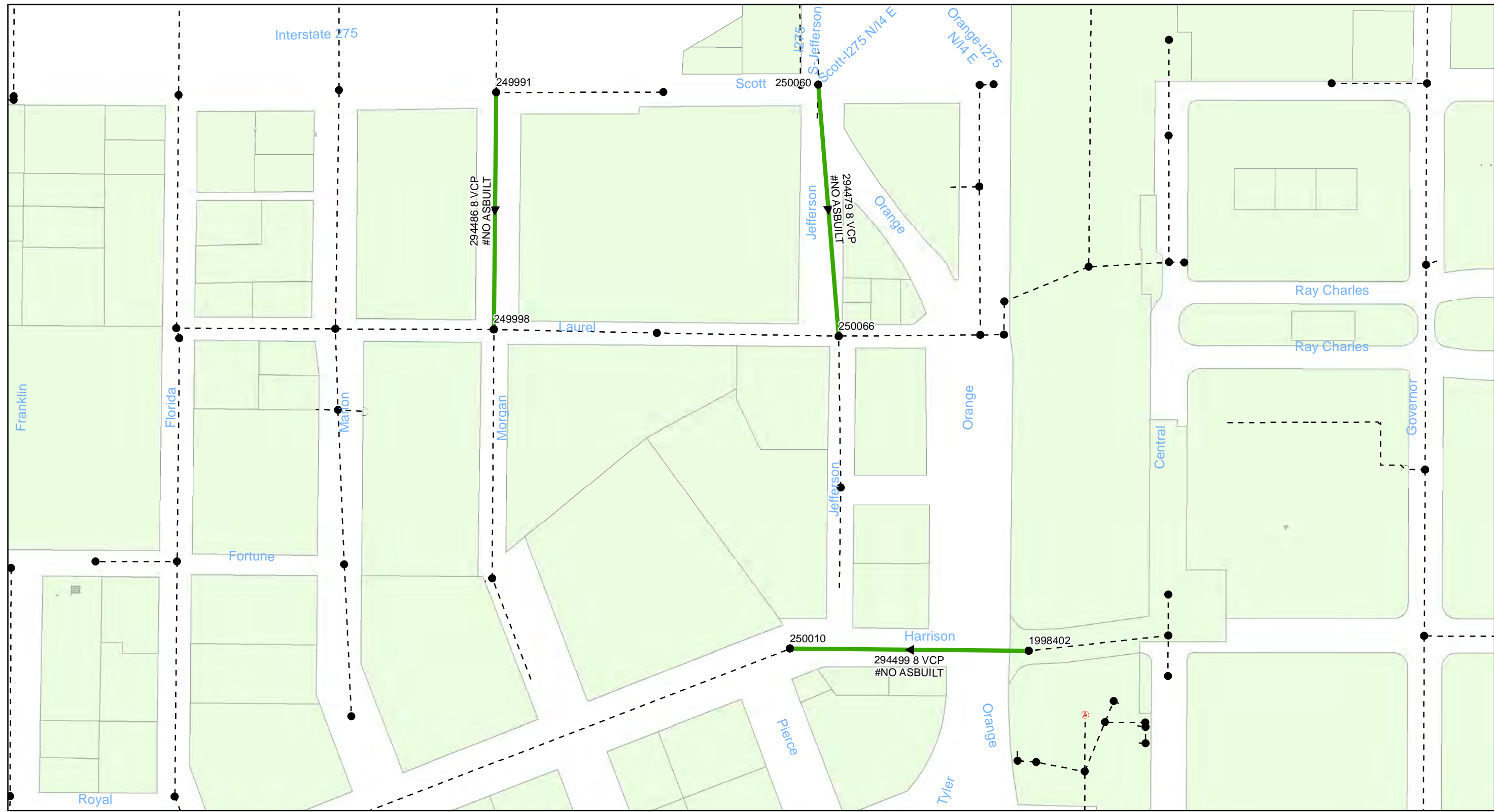


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- Ex Wastewater (no rehabilitation required)





0 0.0225 0.045 0.09 Miles

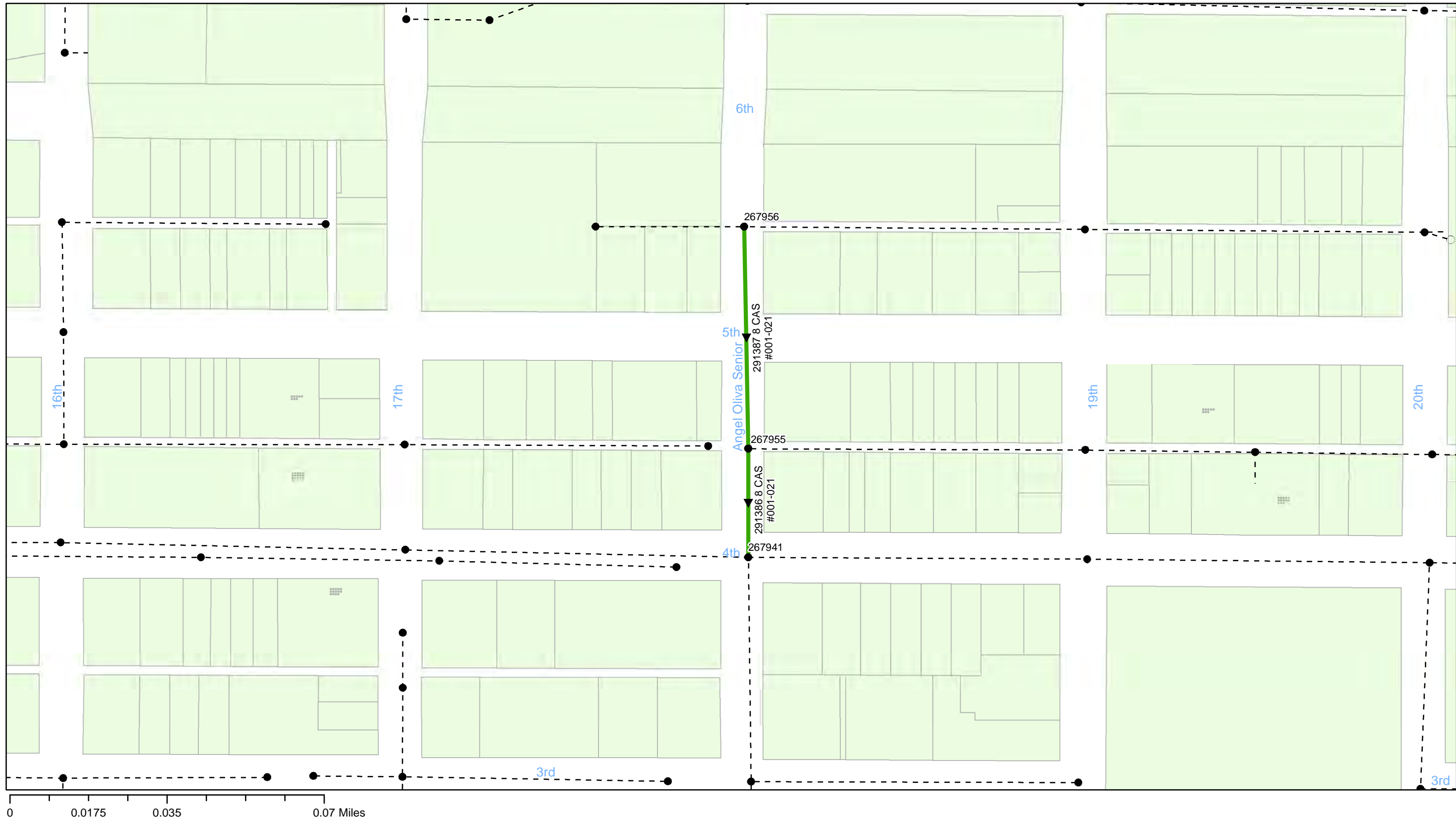
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



Sheet No.
30
of 104

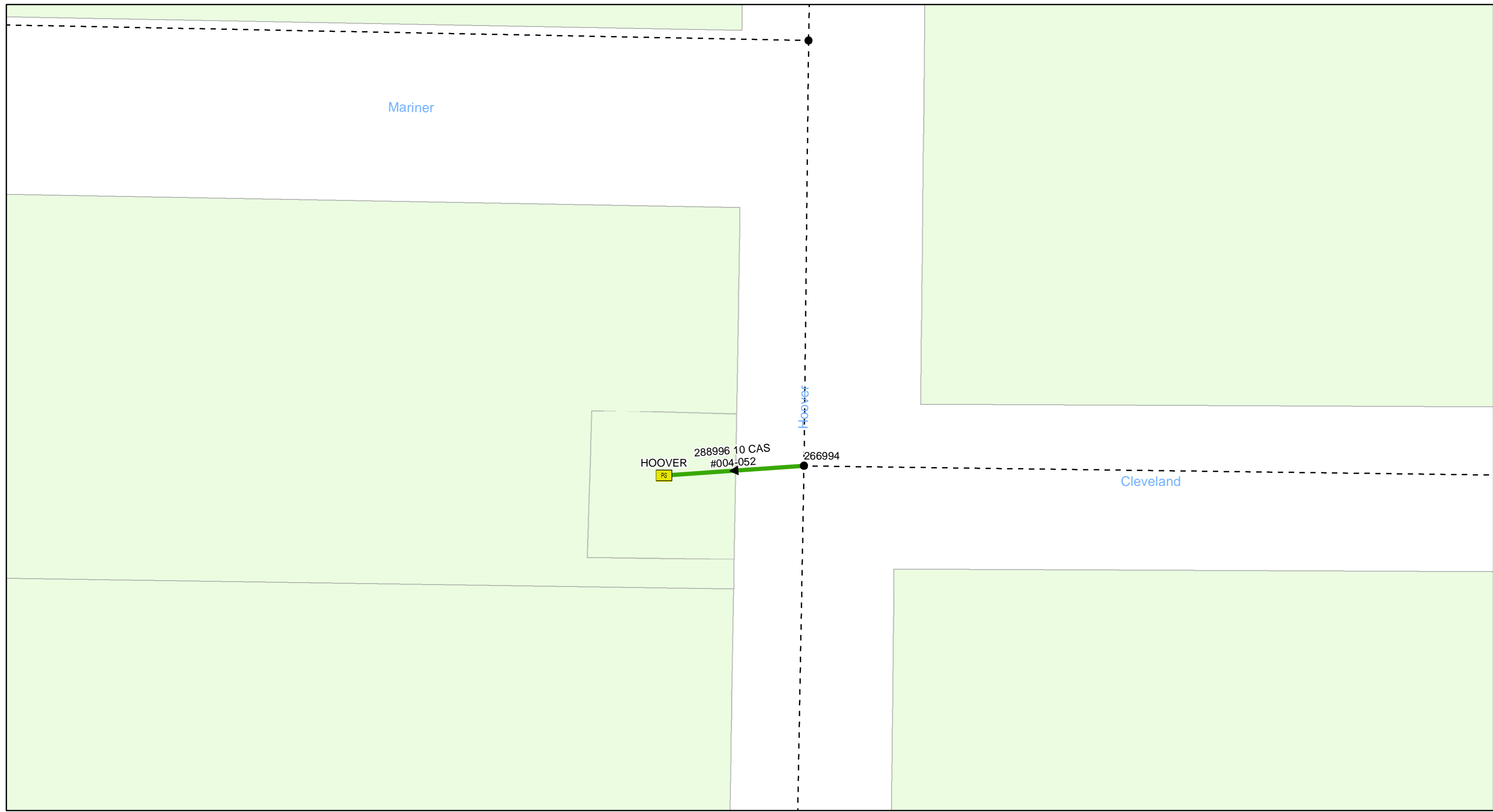


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



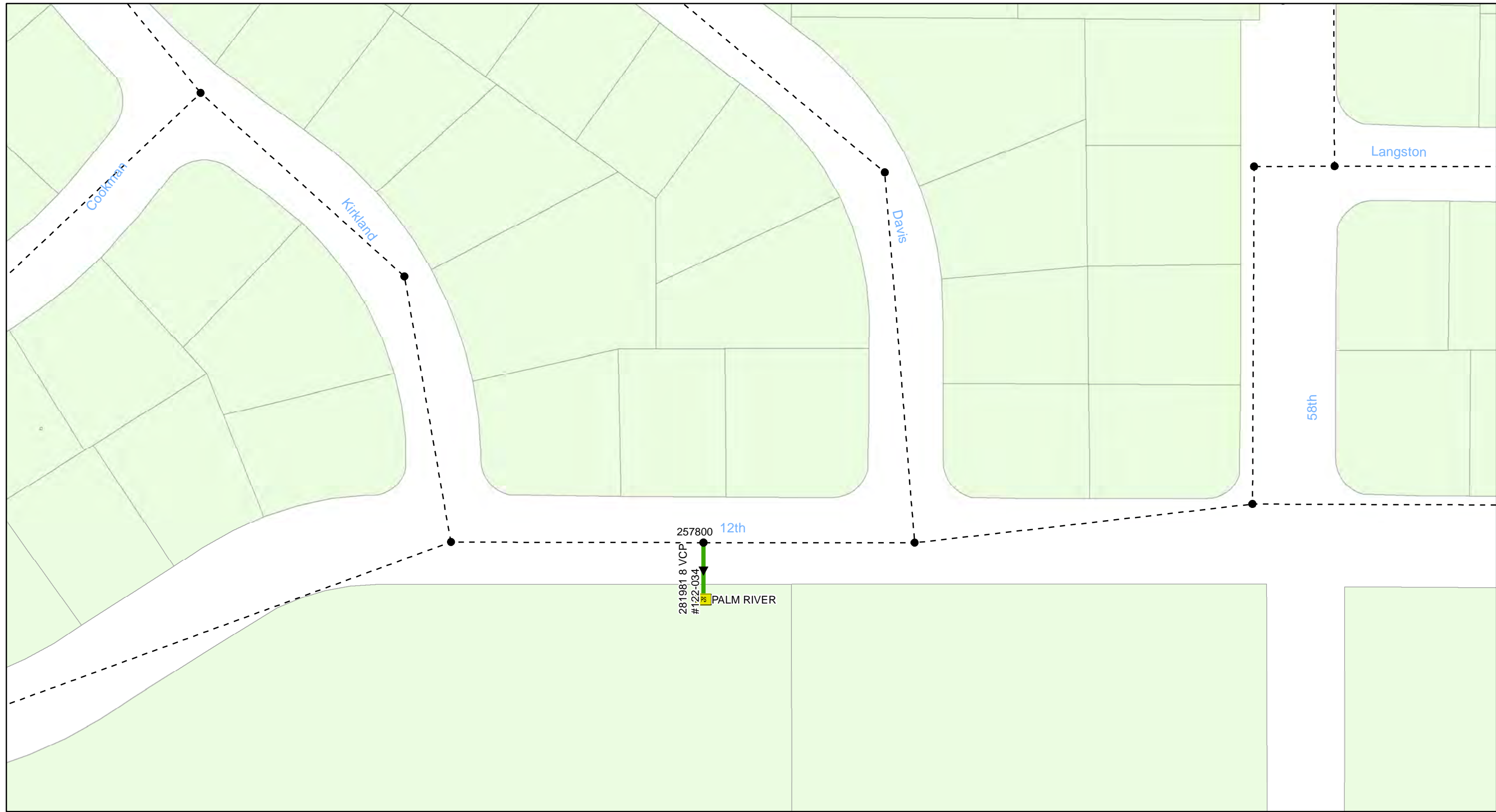


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)





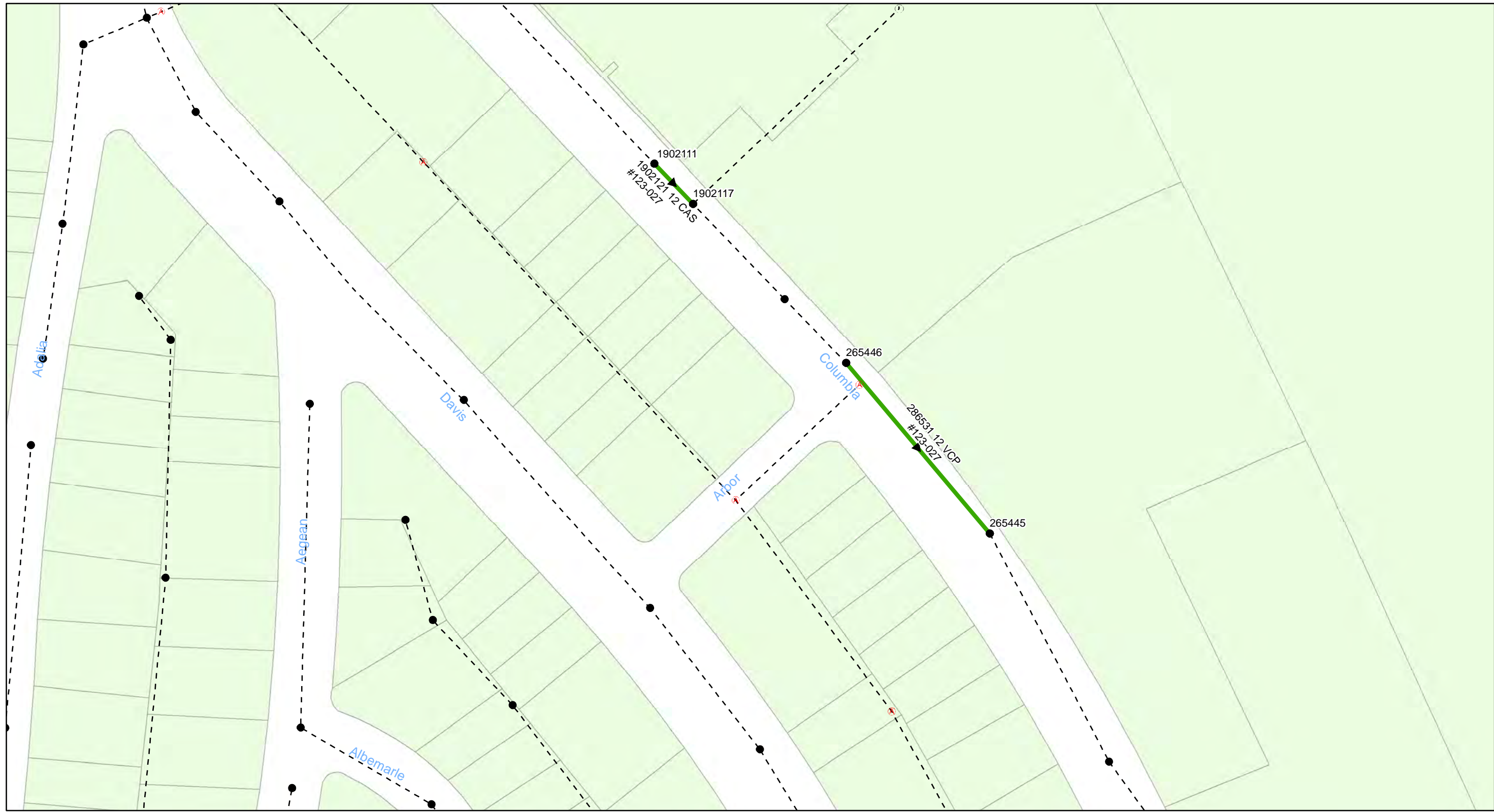
0 0.01 0.02 0.04 Miles

FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



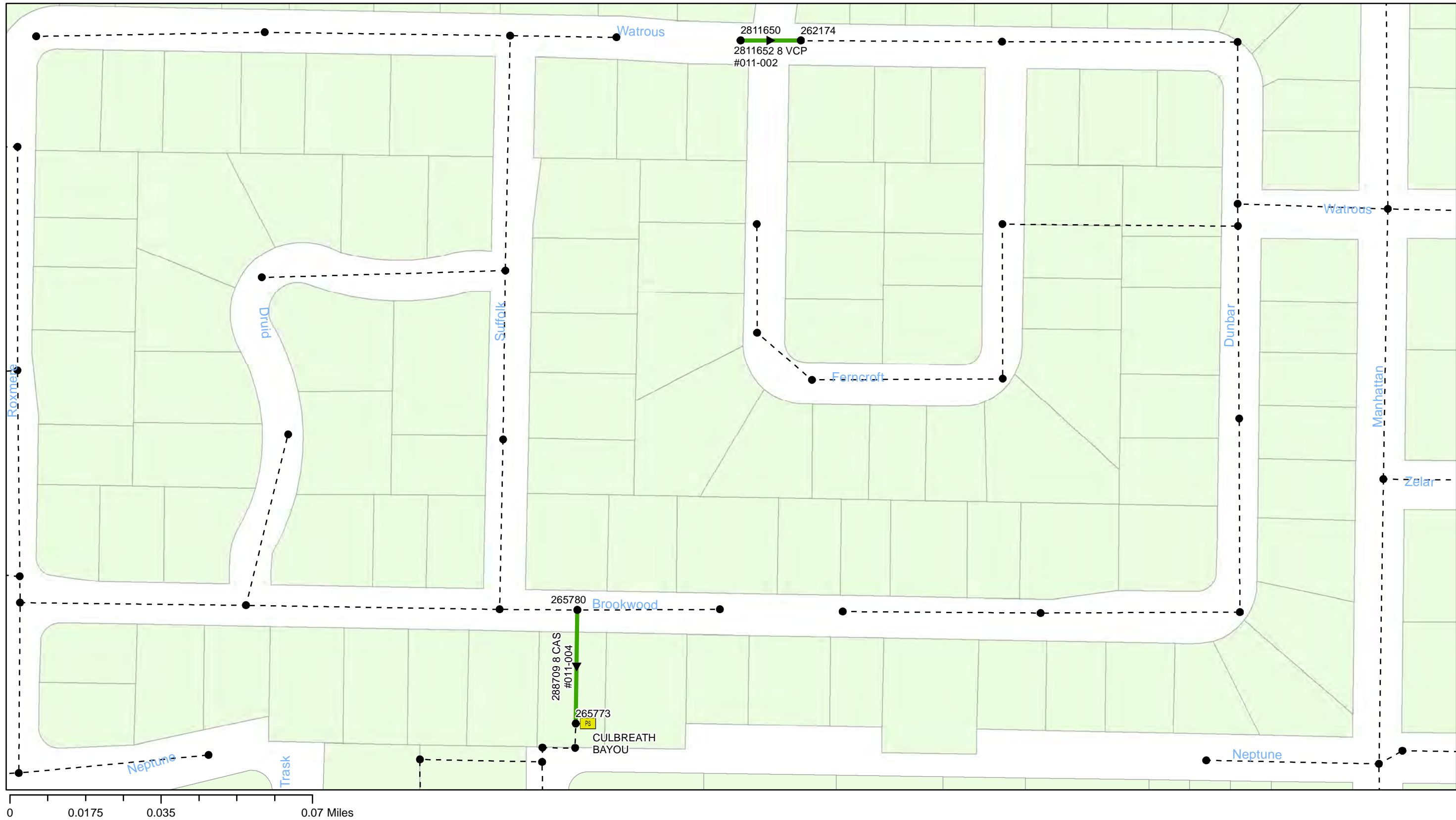


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



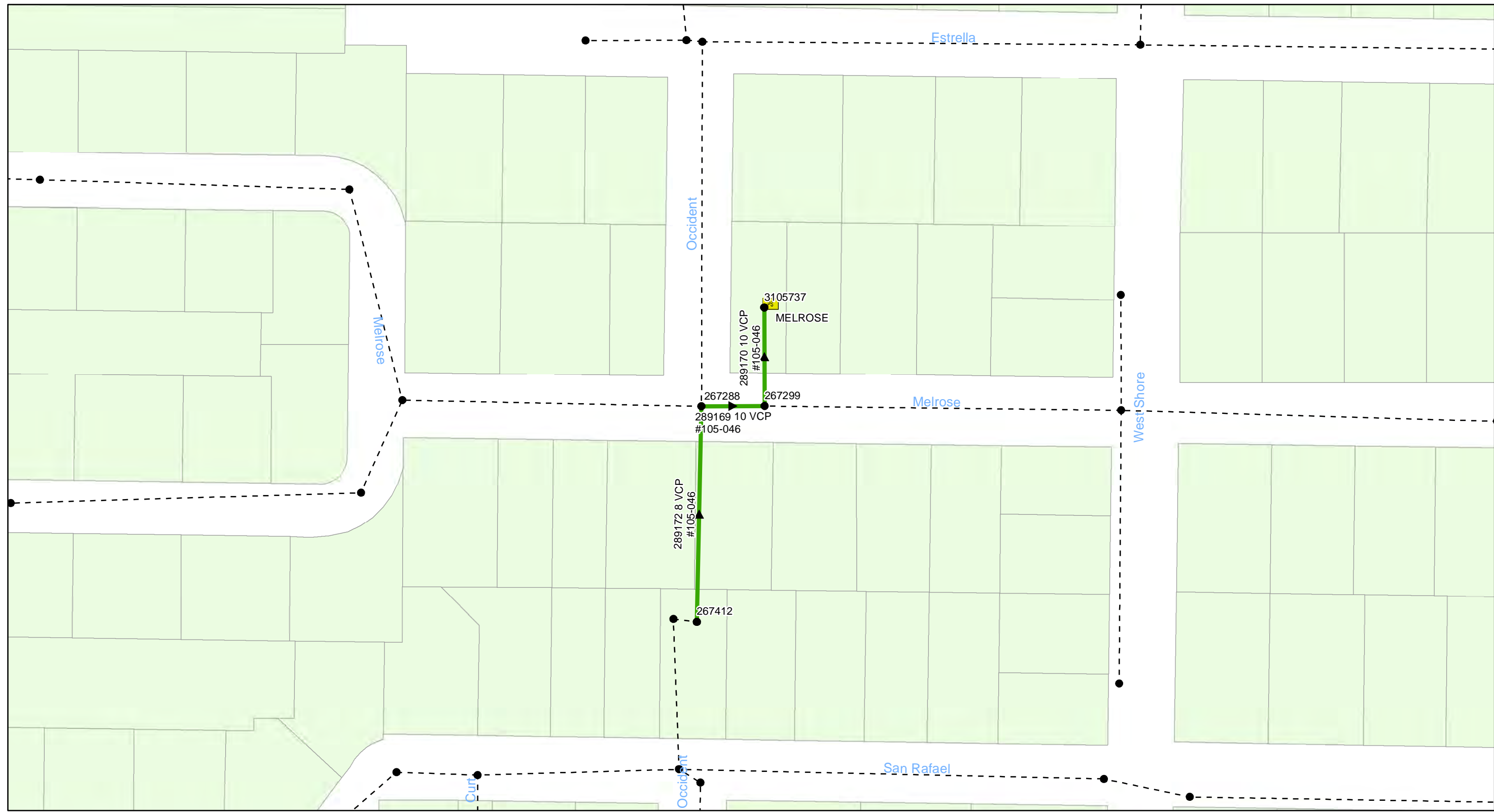


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



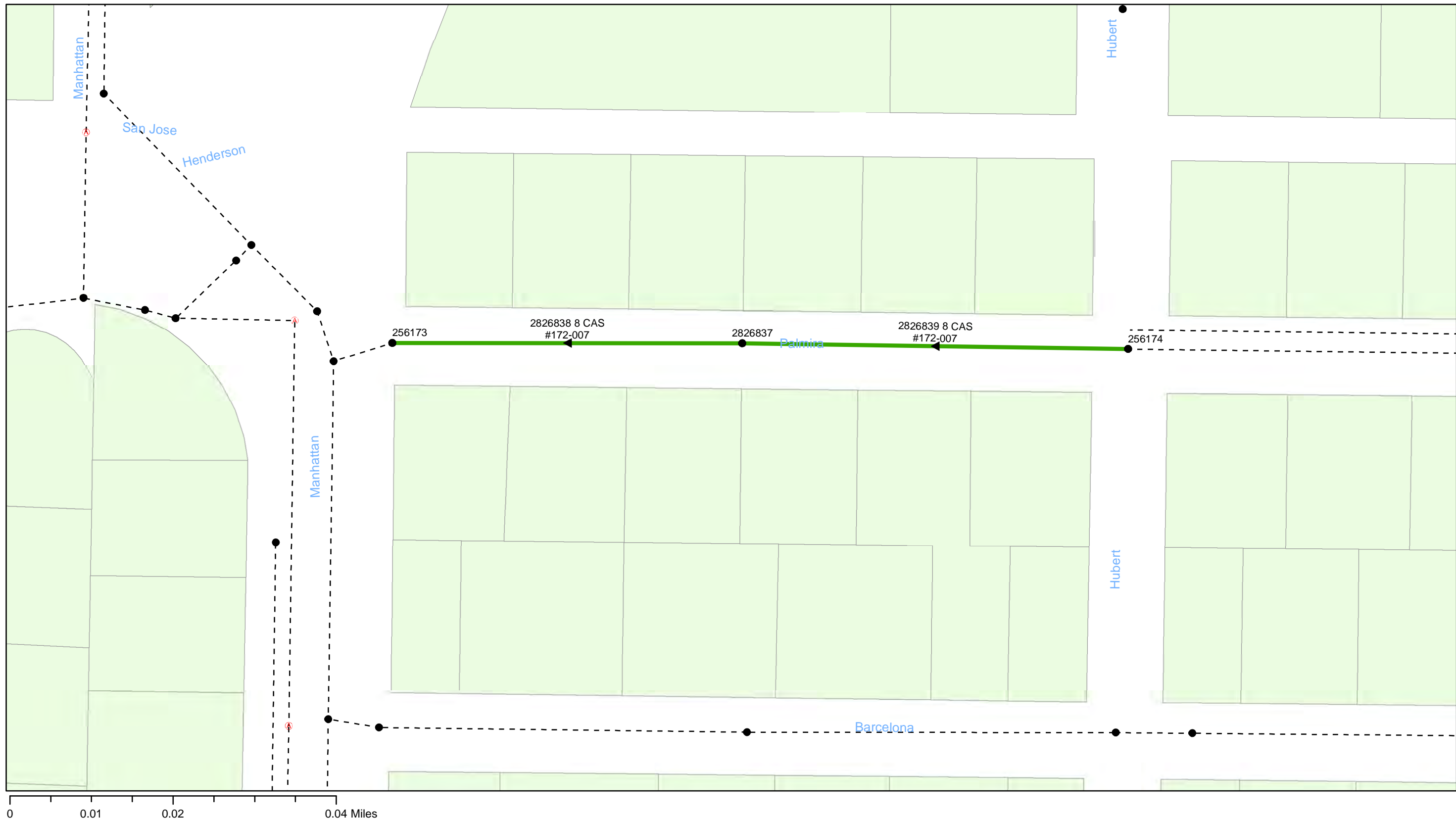


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



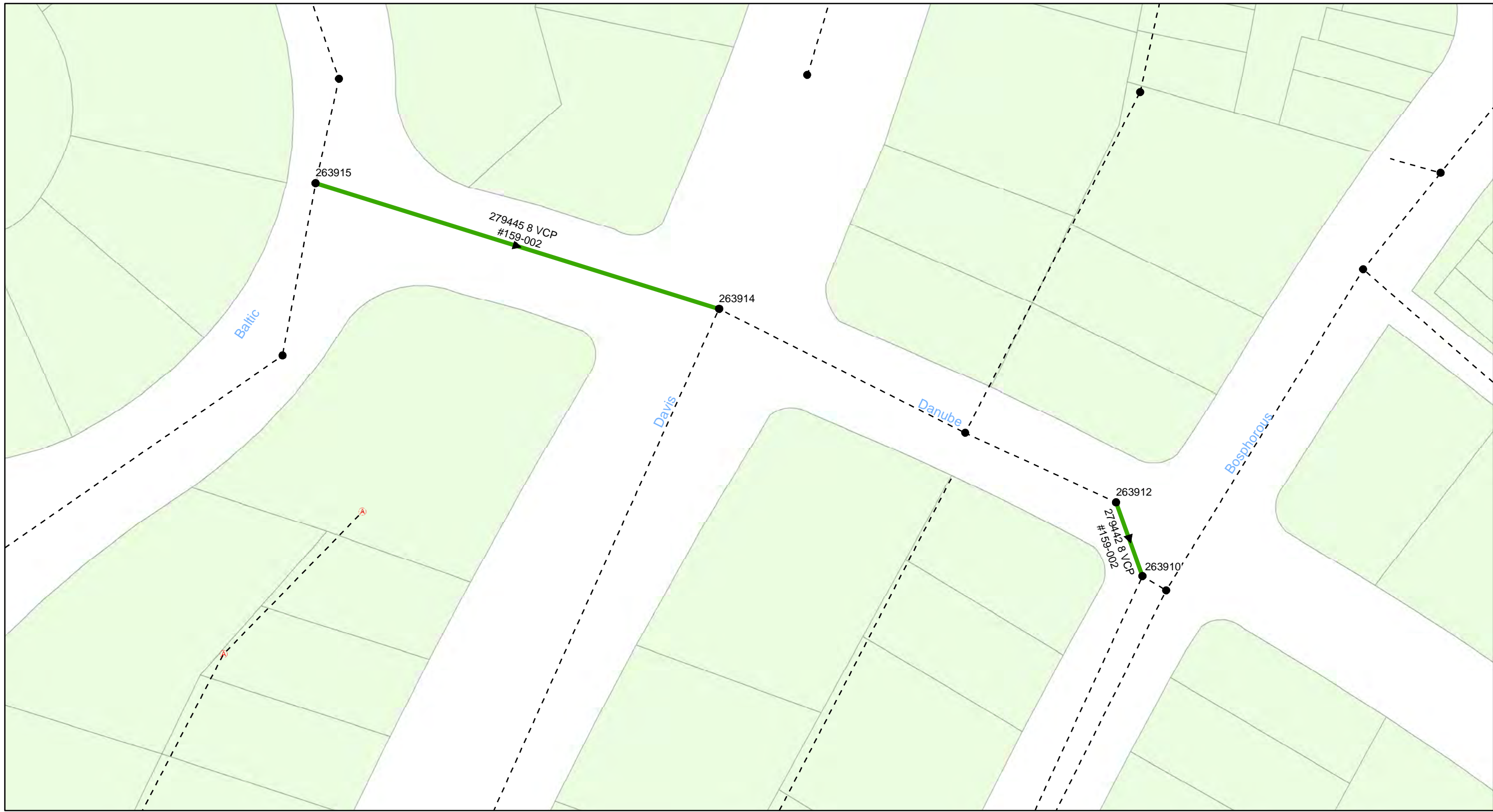


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



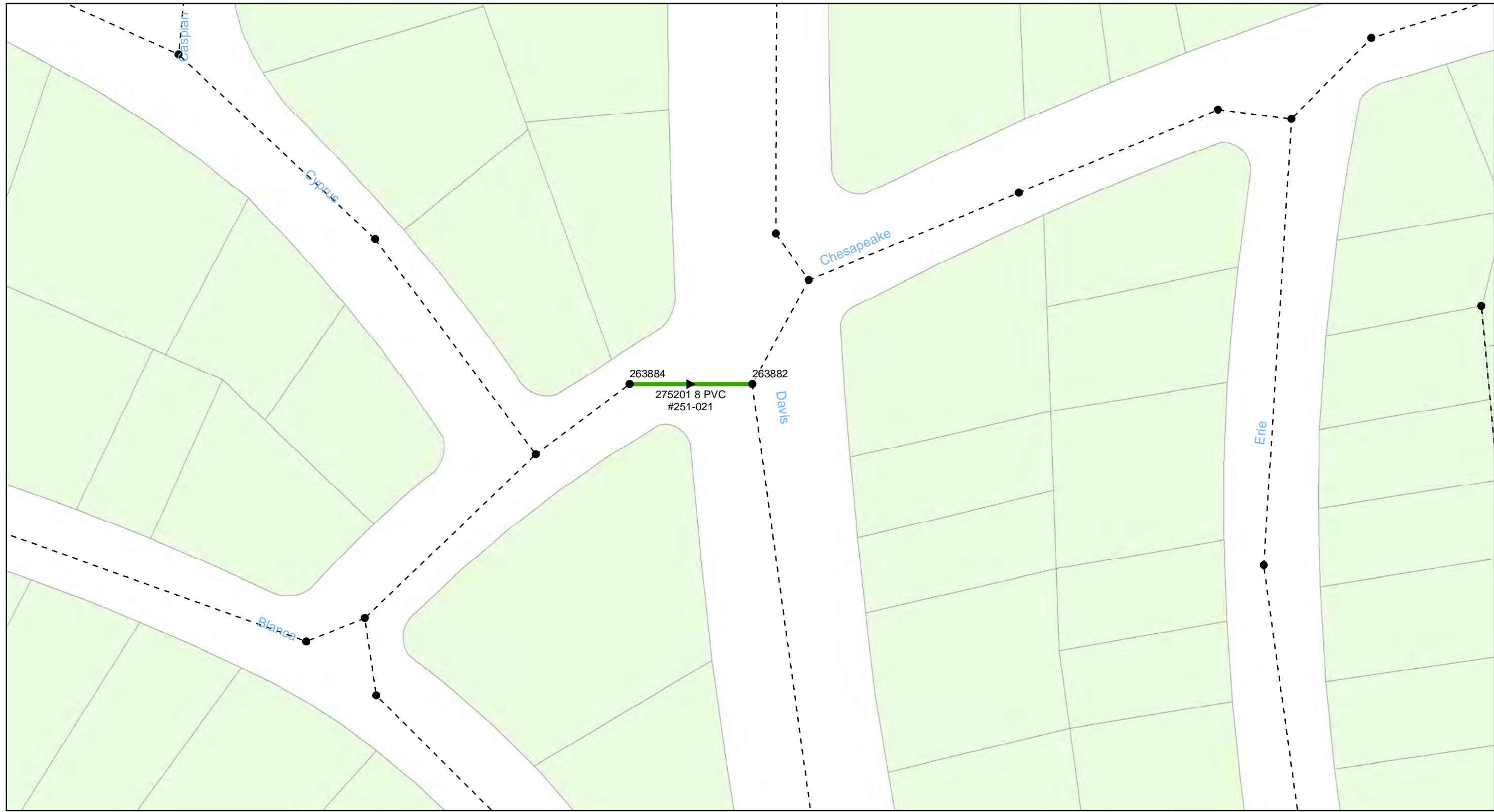


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)





0 0.01 0.02 0.04 Miles

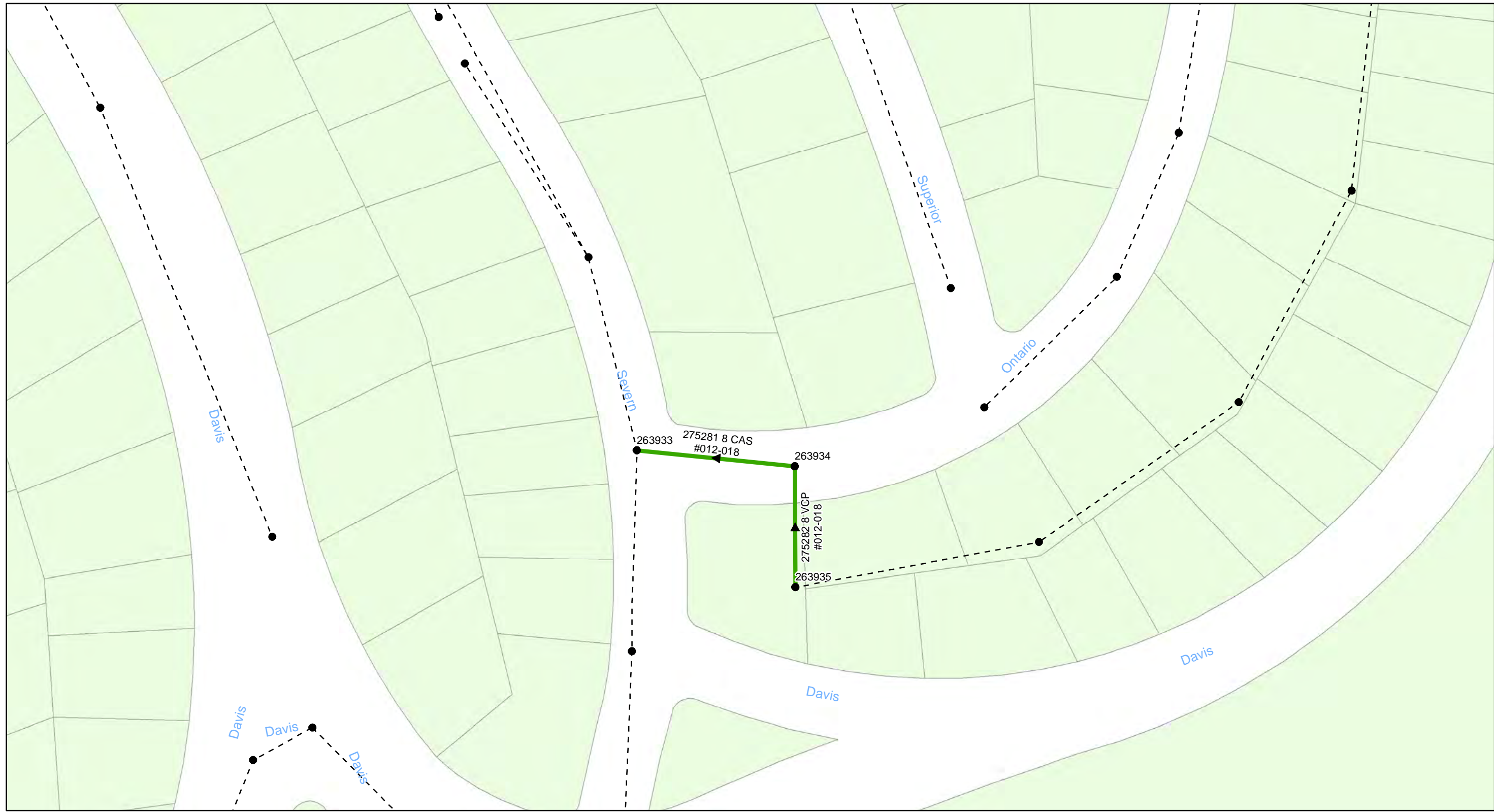
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



Sheet No.
39
of 104



0 0.0125 0.025 0.05 Miles

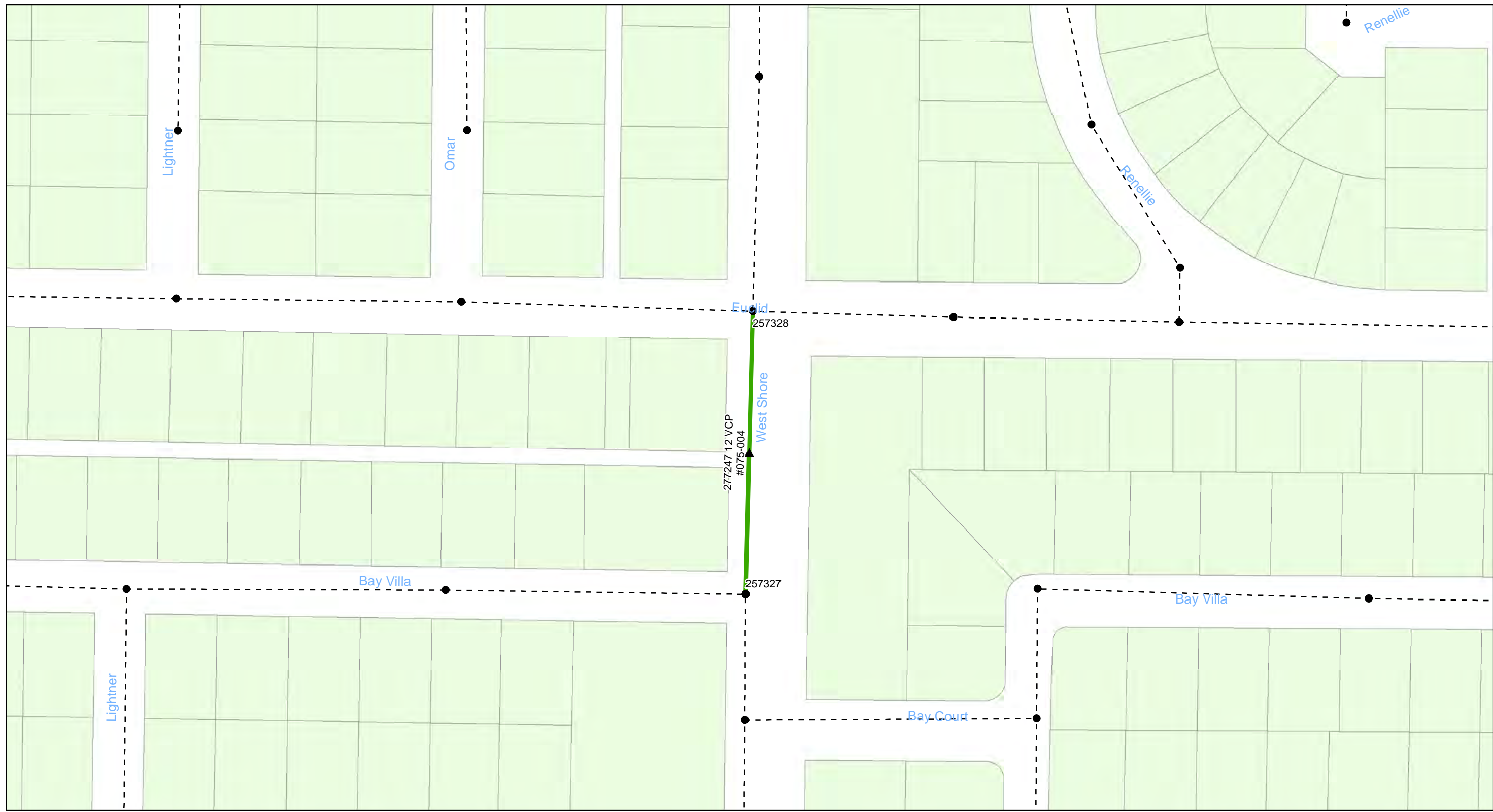
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



Sheet No.
40
of 104



0 0.015 0.03 0.06 Miles

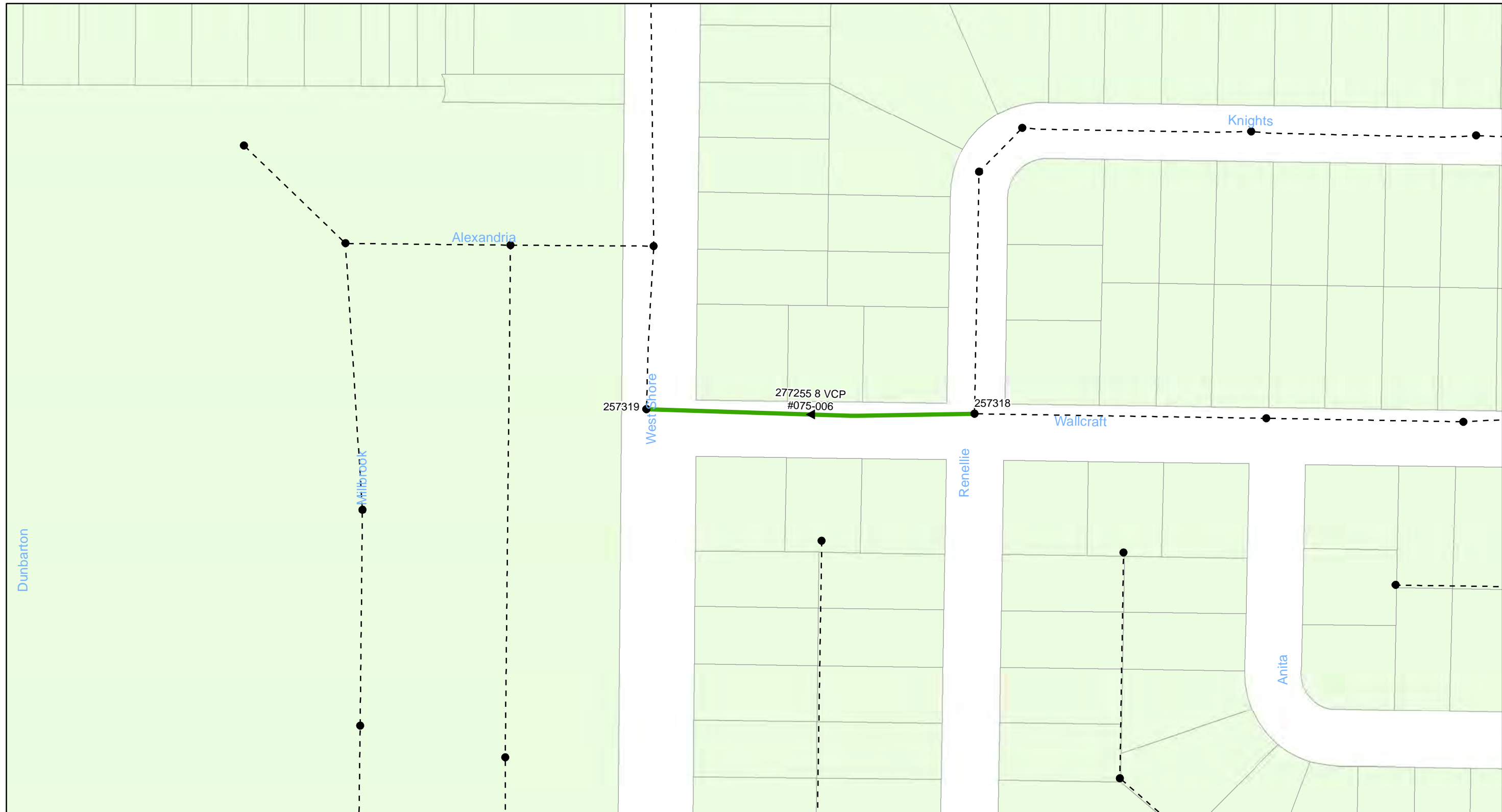
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



Sheet No.
41
of 104



0 0.015 0.03 0.06 Miles

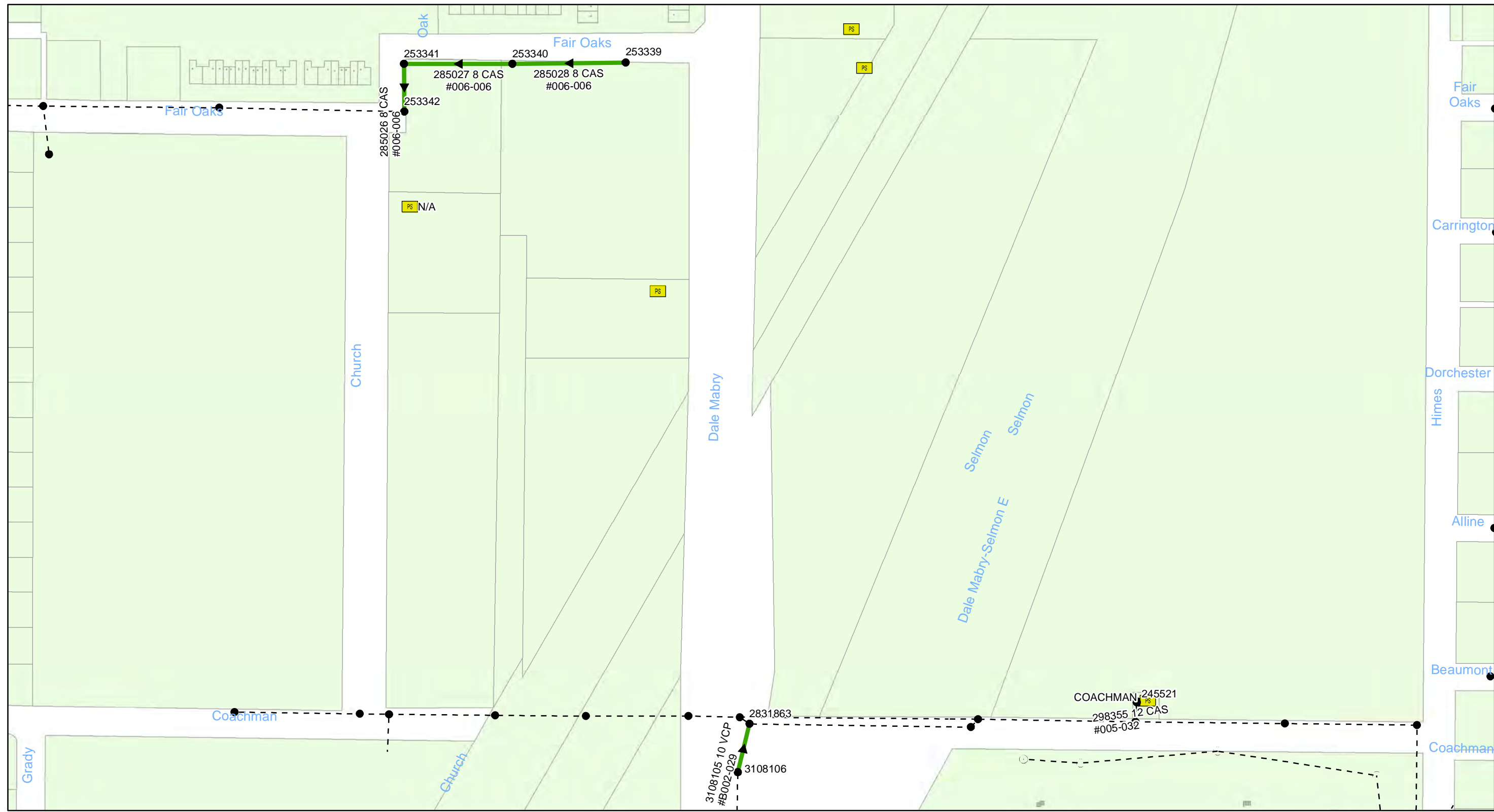
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



Sheet No.
42
of 104



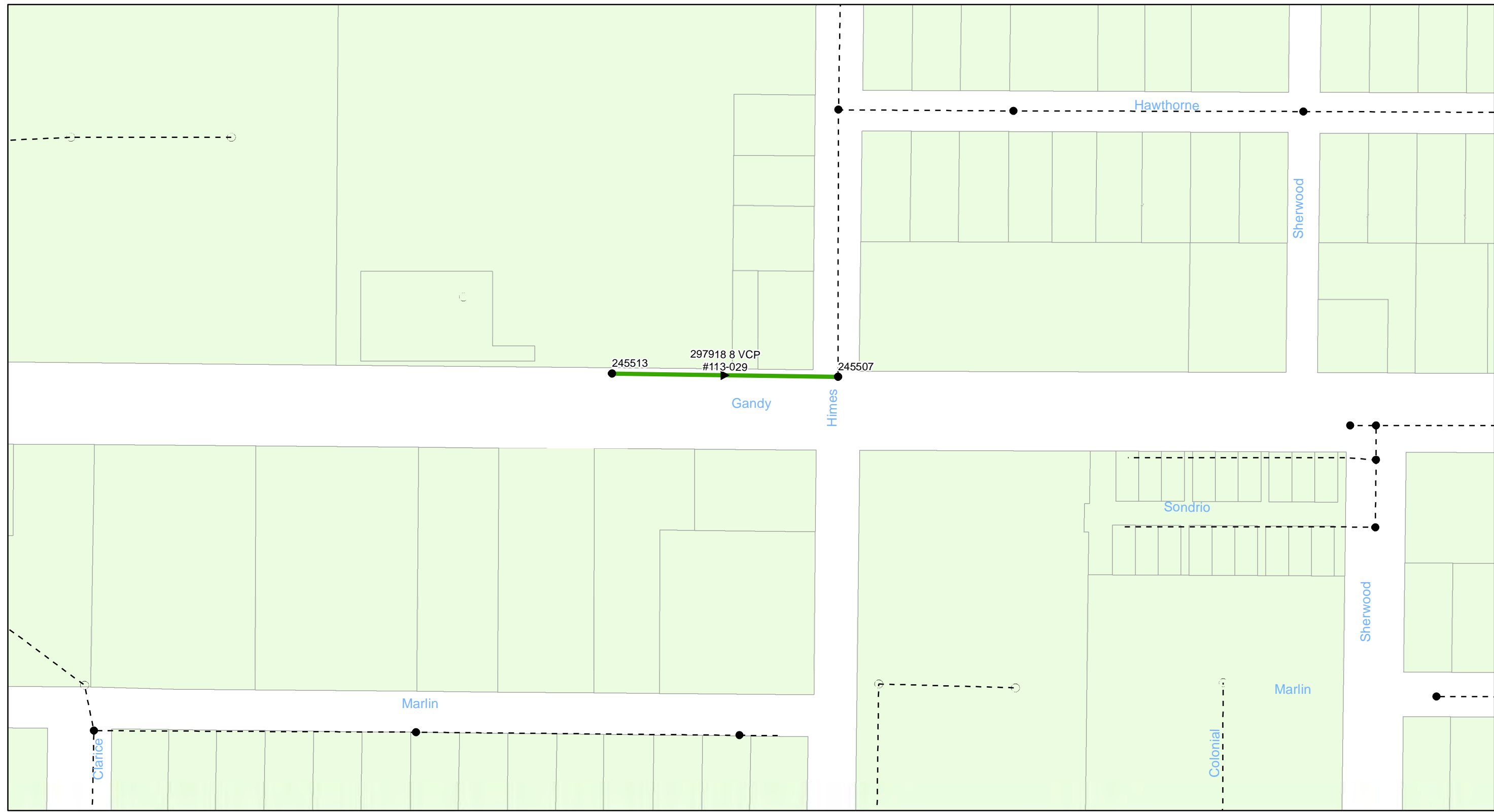
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



Sheet No.
43
of 104



0 0.0175 0.035 0.07 Miles

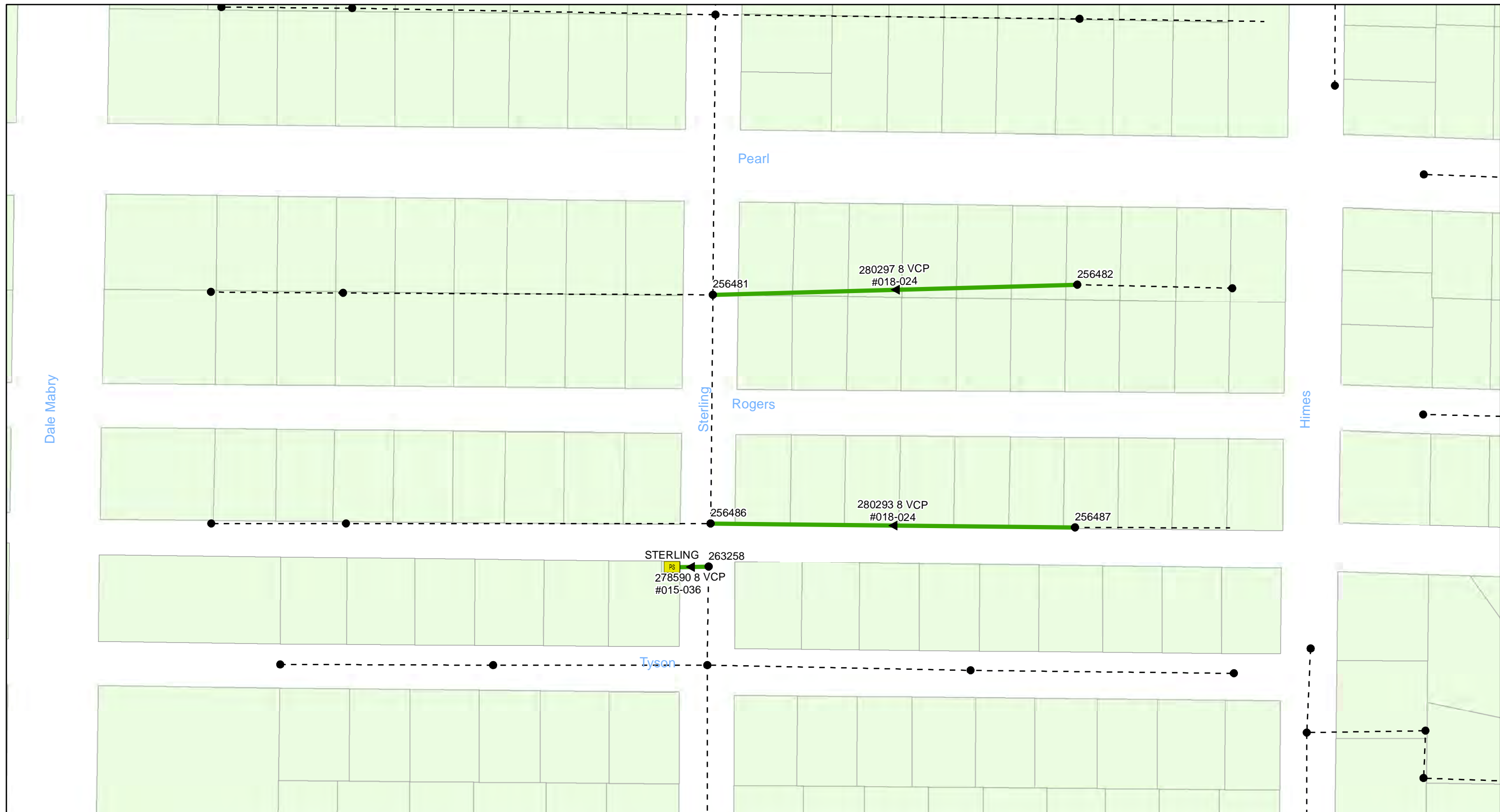
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- - - - - Ex Wastewater (no rehabilitation required)



Sheet No.
44
of 104

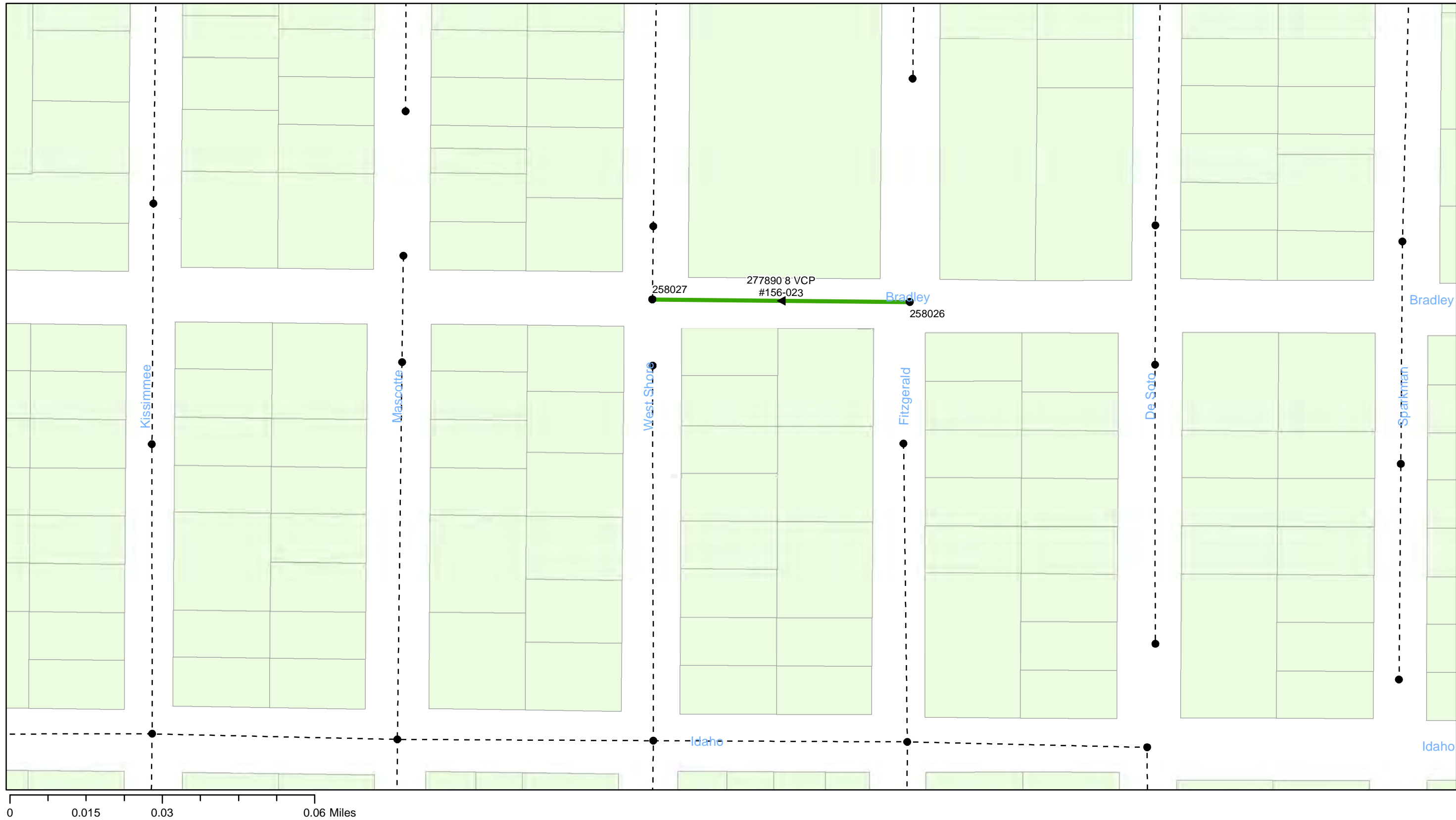


FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- Ex Wastewater (no rehabilitation required)





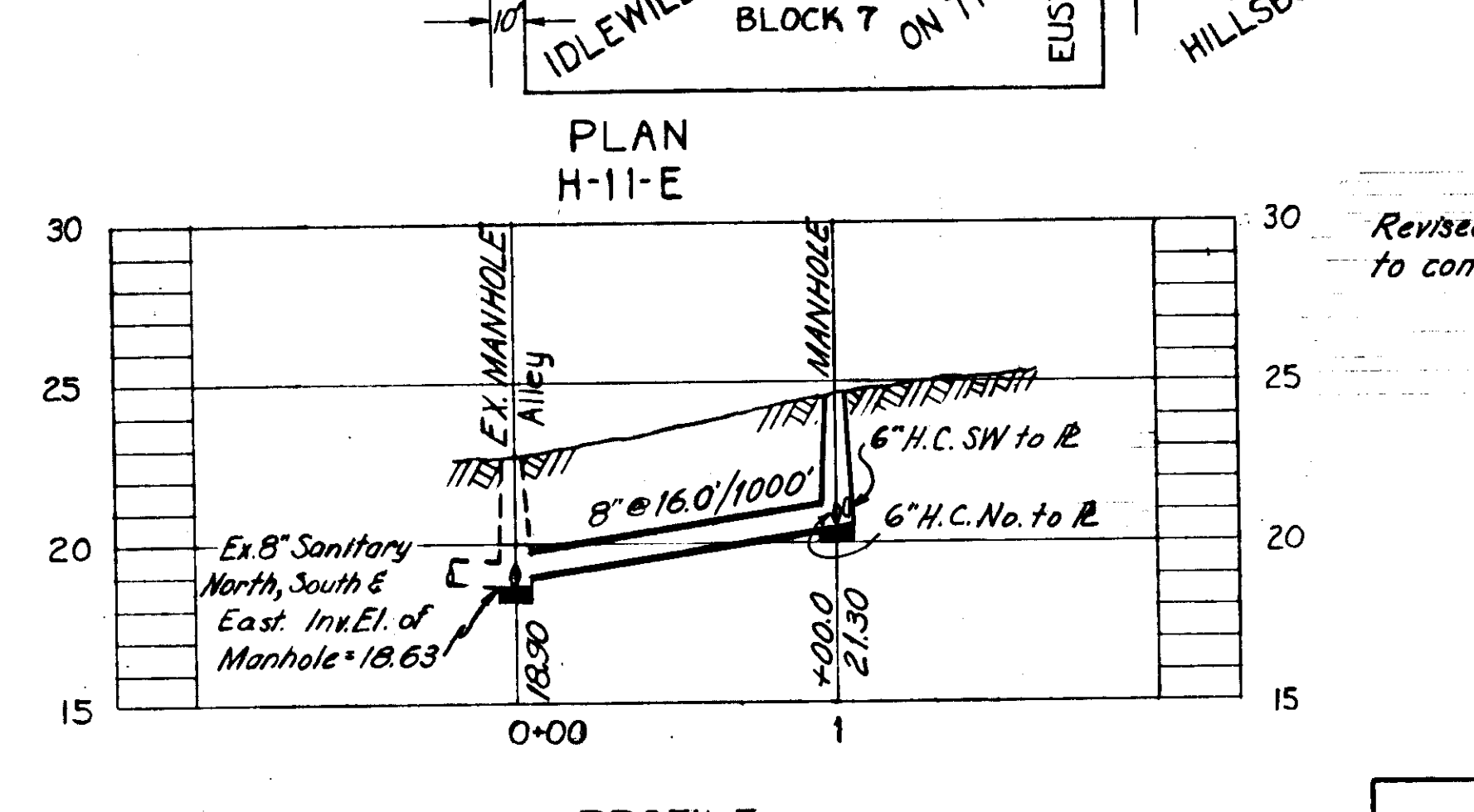
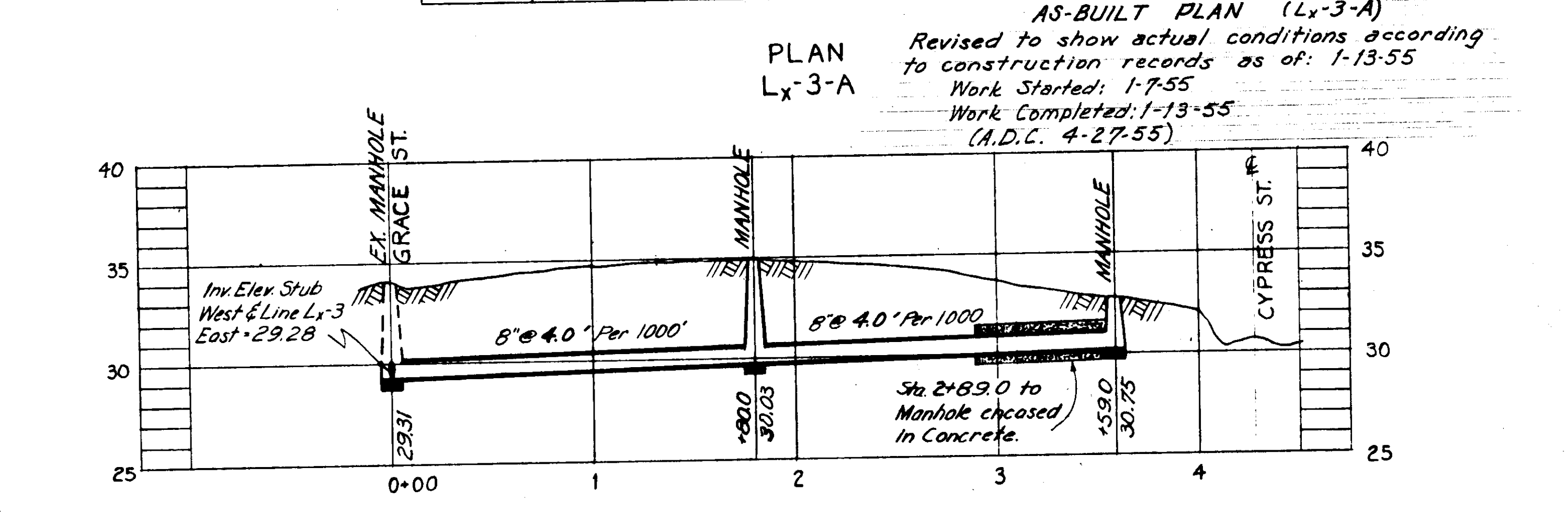
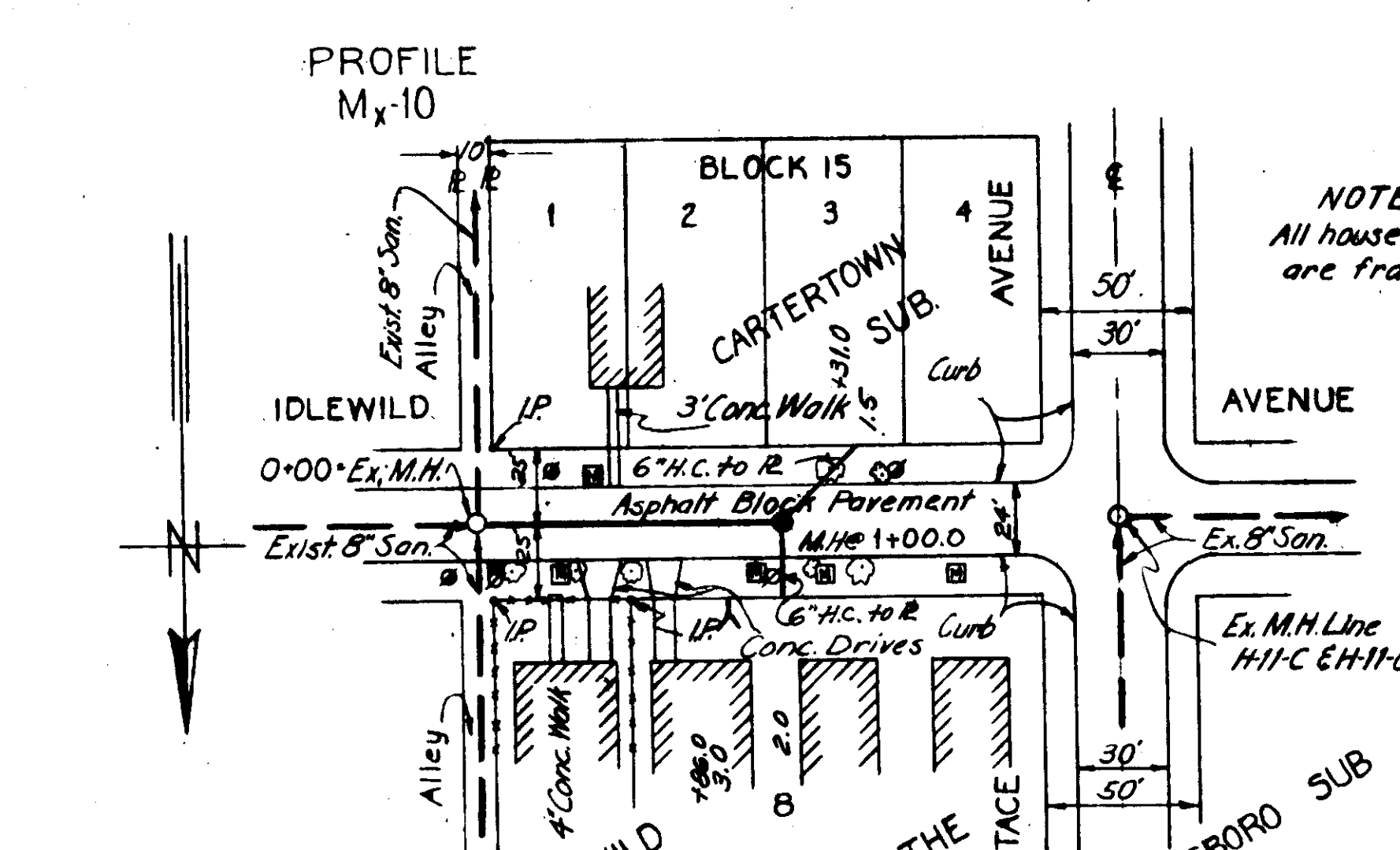
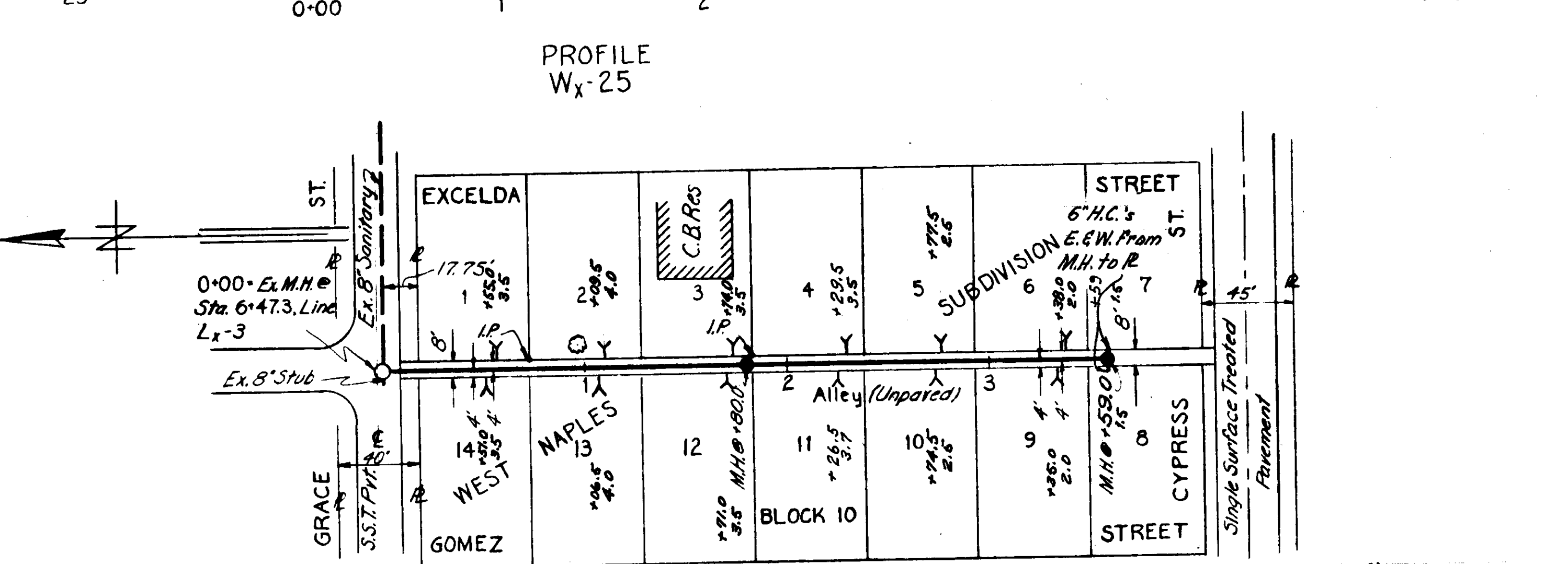
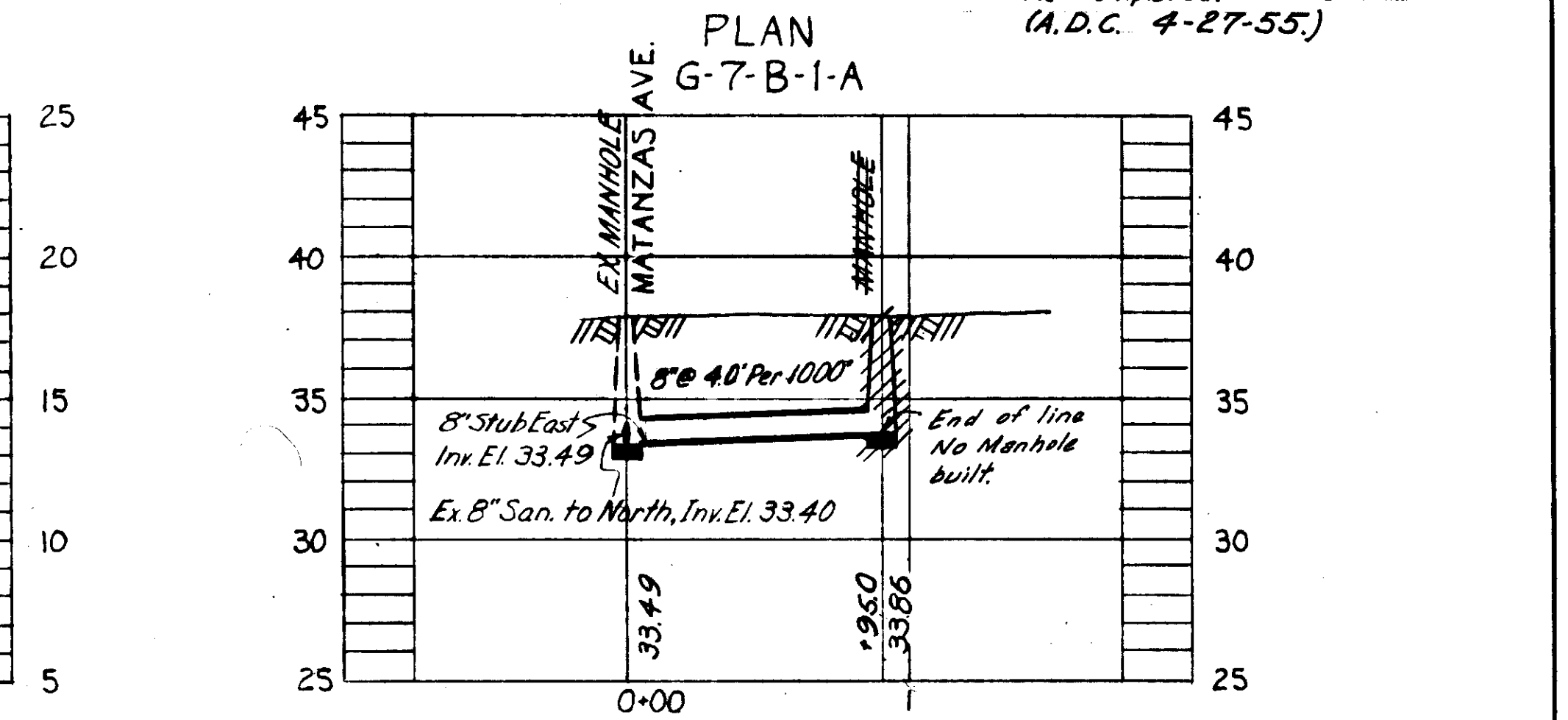
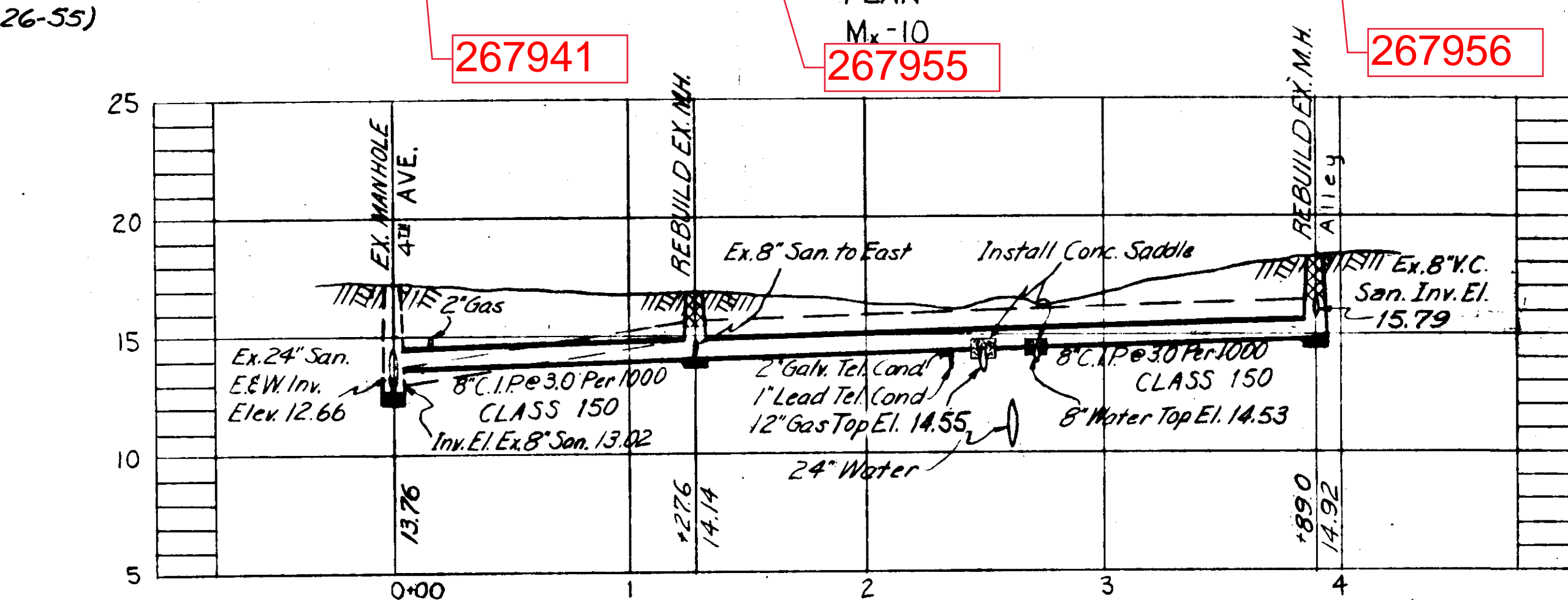
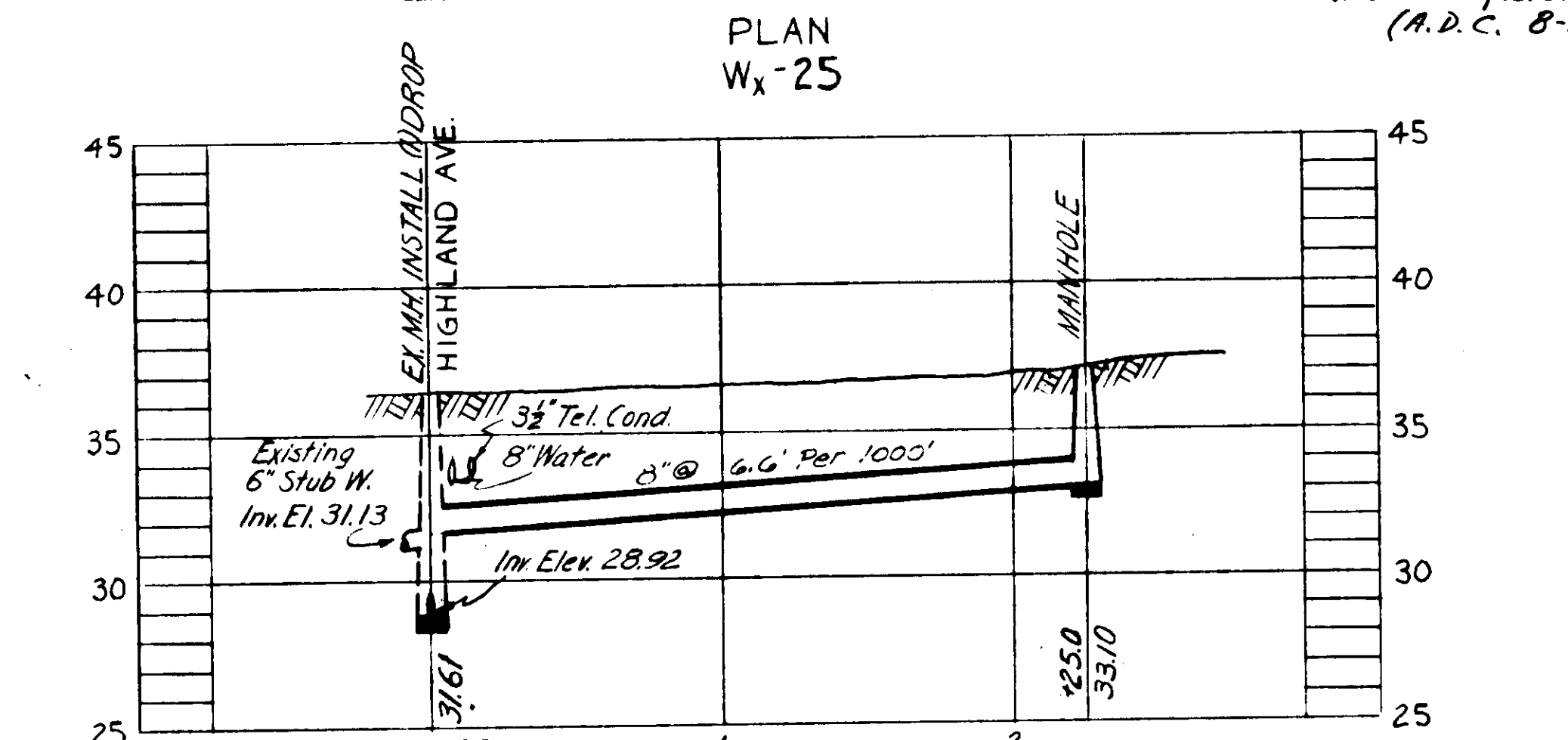
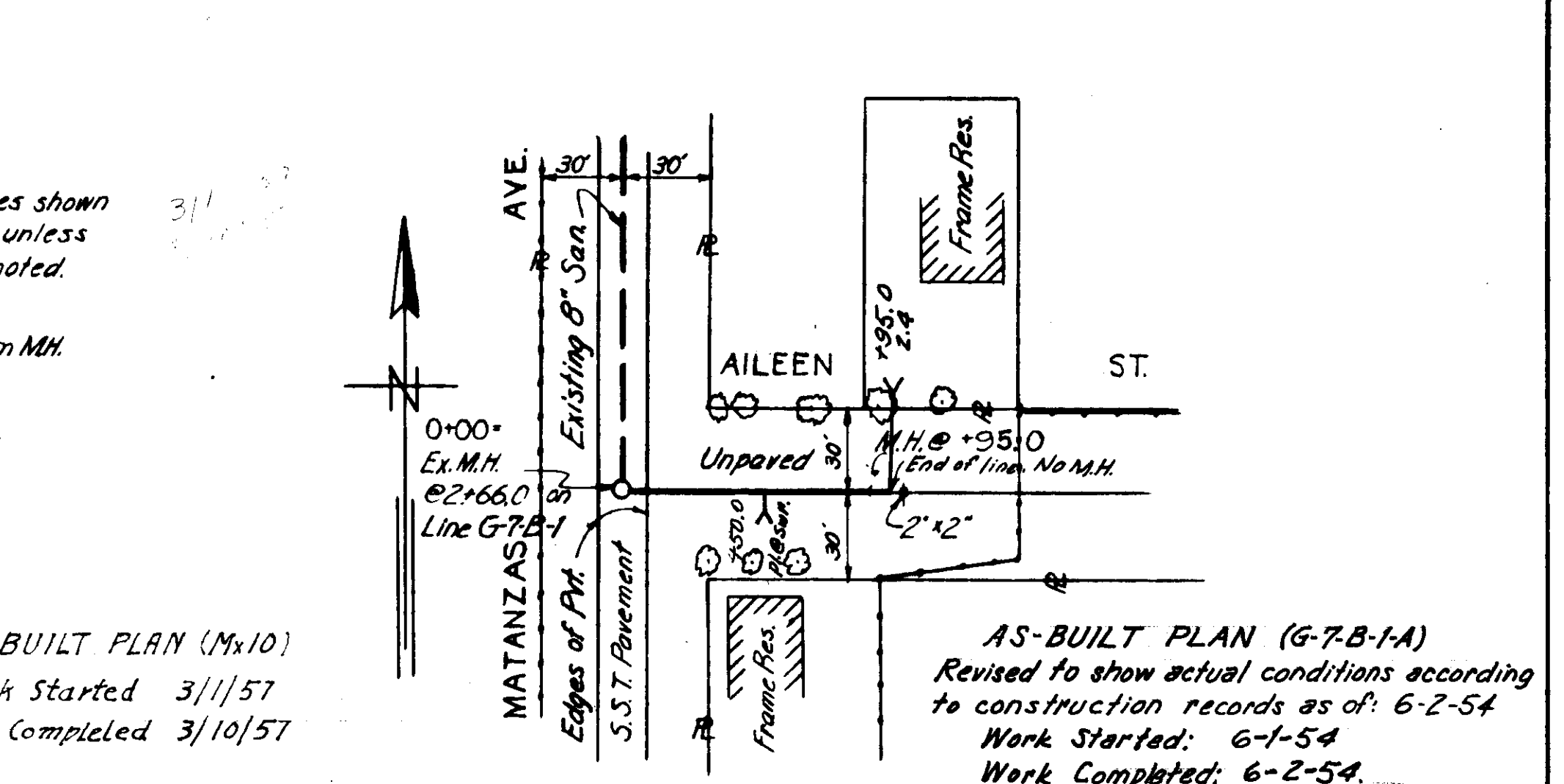
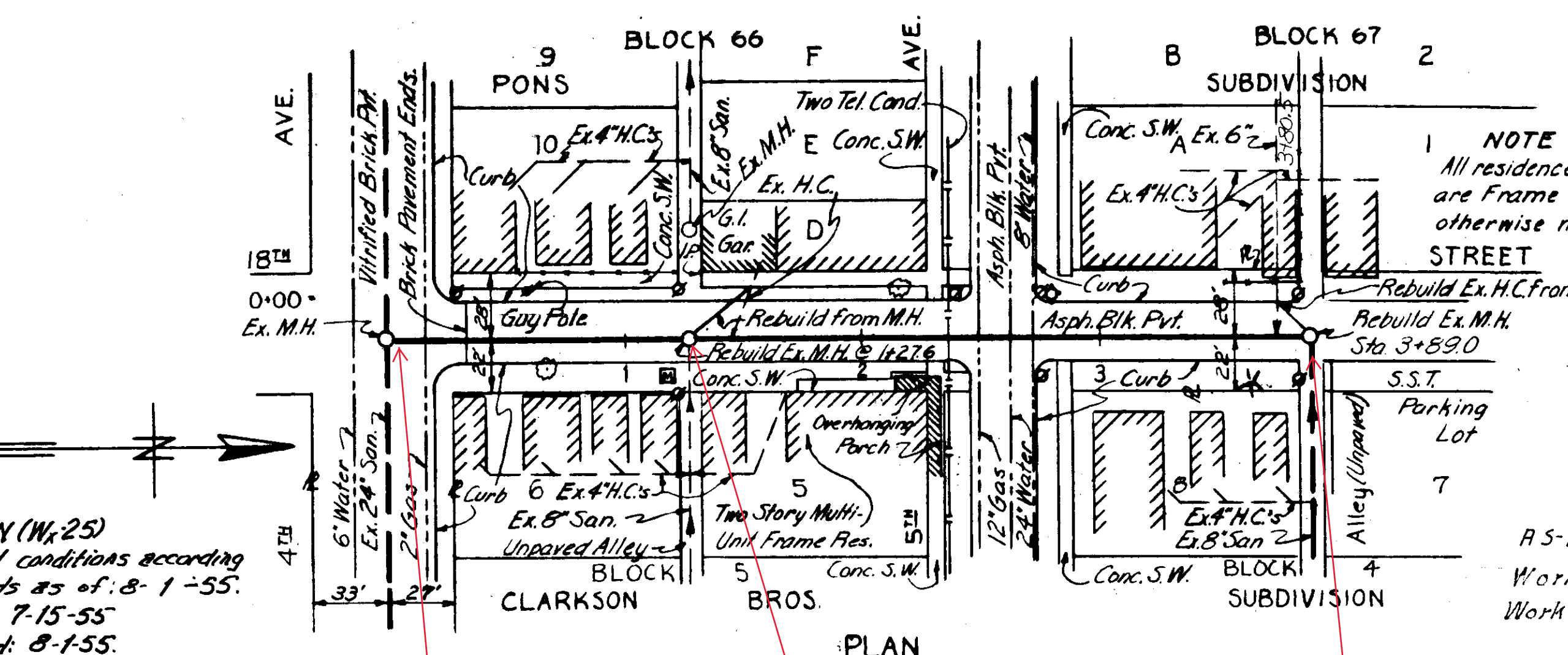
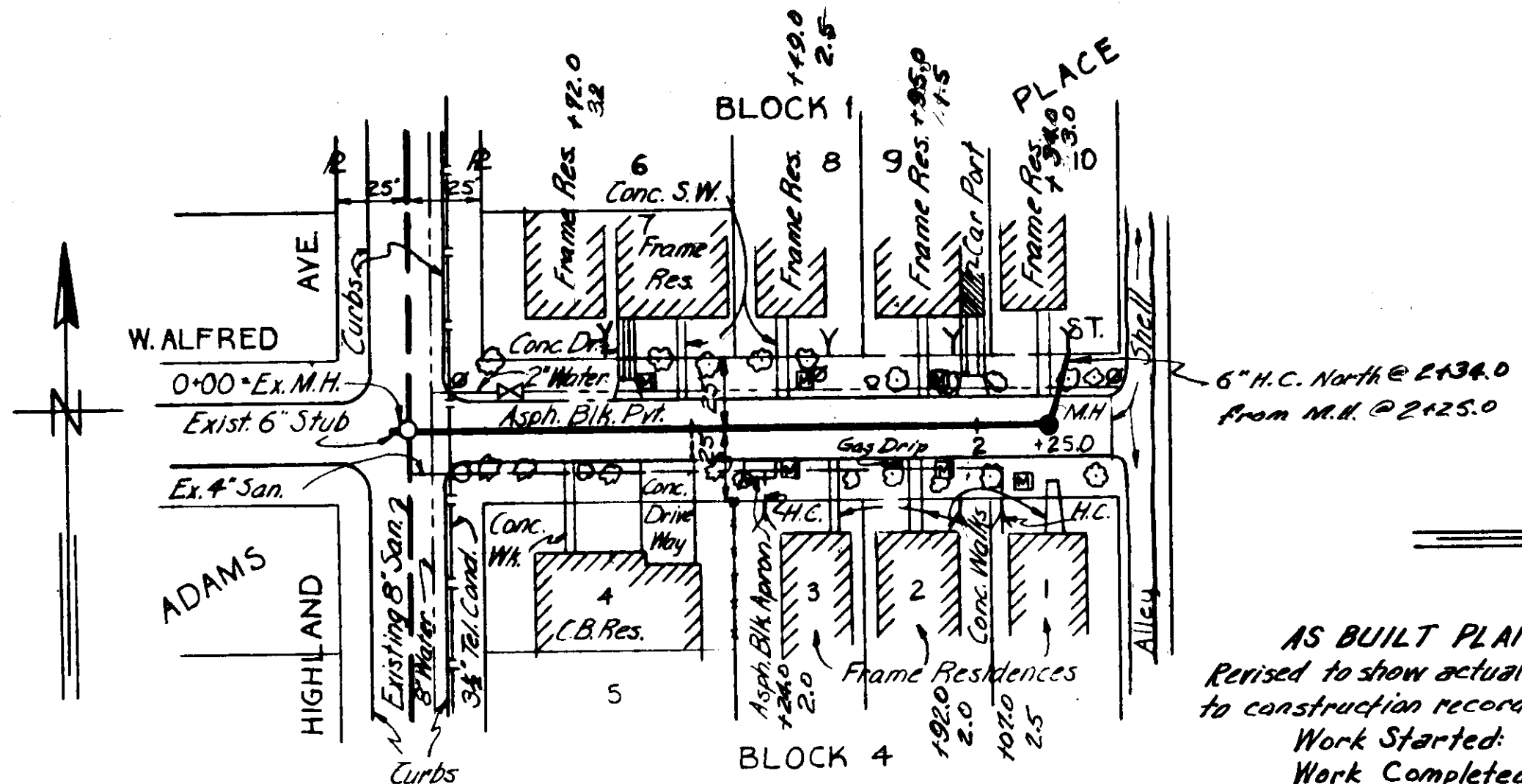
FY20 Wastewater Tuberculated Gravity Pipeline Rehabilitation
City of Tampa Wastewater Department

Legend

- Manholes
- PS Pump Station
- Lining Area
- Ex Wastewater (no rehabilitation required)



Sheet No.
46
of 104



DEPT. OF PUBLIC WORKS
 BUREAU OF SANITARY SEWERS

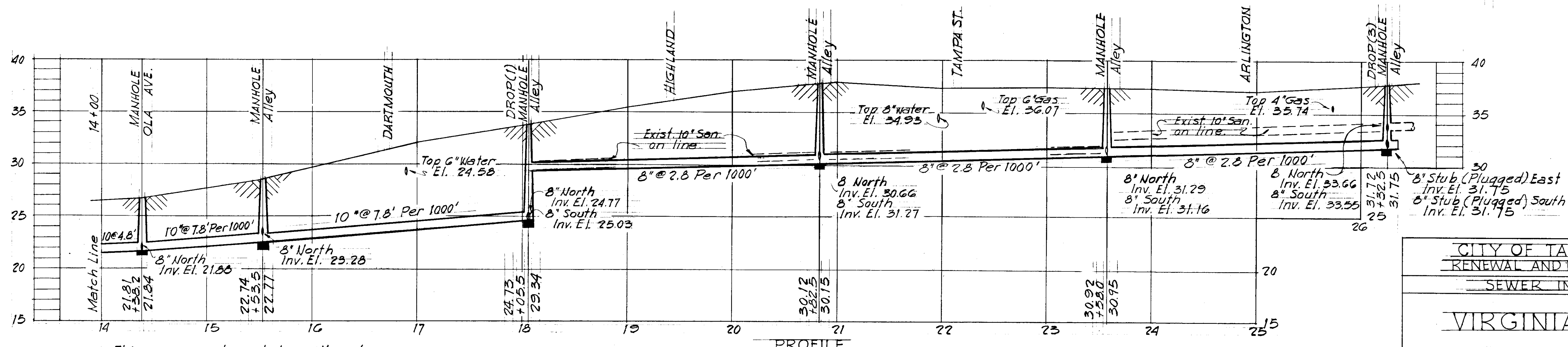
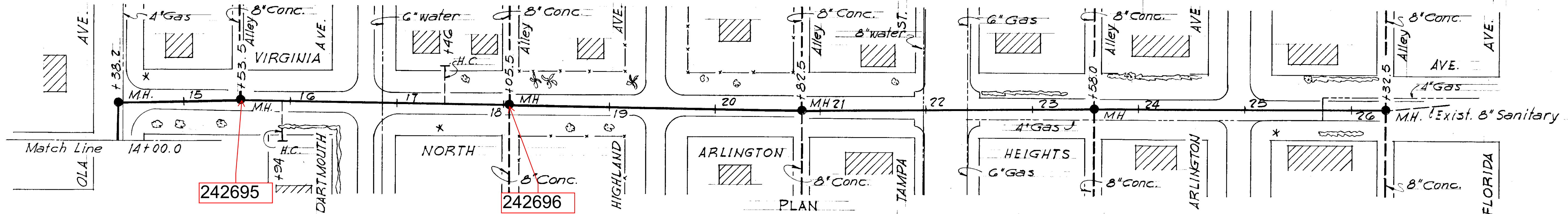
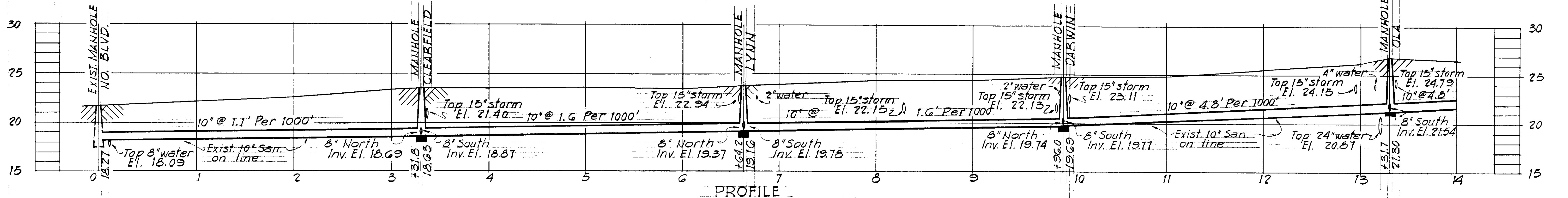
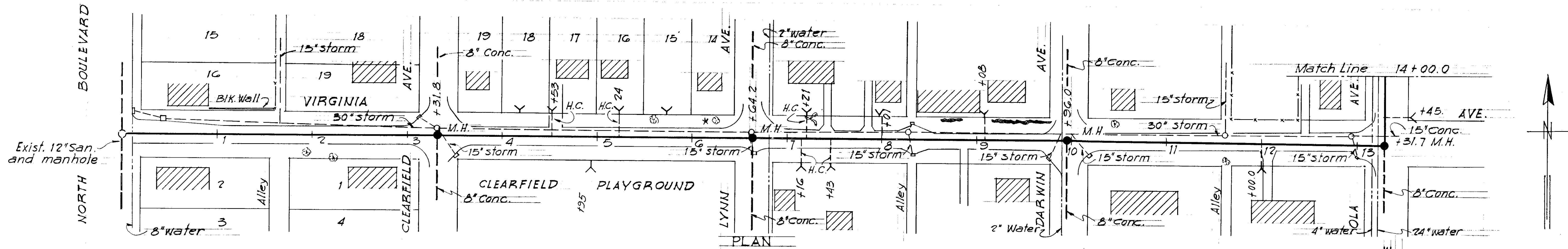
R&R FORCE ACCOUNT NO 3
 SUBMITTED: [Signature]
 APPROVED: Donald Newton 2-2-55
 GREELEY AND HANSEN, ENGINEERS

CITY OF TAMPA, FLORIDA
 RENEWAL AND REPLACEMENT FUND
 SEWER EXTENSIONS IN AREAS 2, 9, 11, CENTRAL & YBOR CITY

Wx-25, Mx-10, G-7-B-1-A,
 Lx-3-A & H-11-E

DES: A.D.C.
 DR: A.D.C.
 CKD: K.E.D.
 DATE: AUG 1954
 SCALE: 1" = 50'
 SHEET: 3 OF 4

001-021

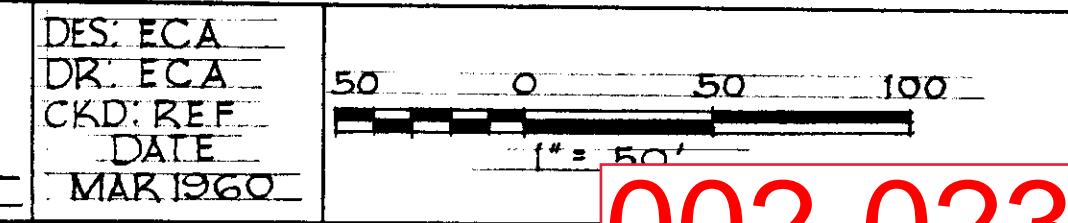


This sewer and manholes will replace the existing sewer and manholes in alignment and location, the grades will change as shown. House connections will be replaced and added as shown.

WO 1088

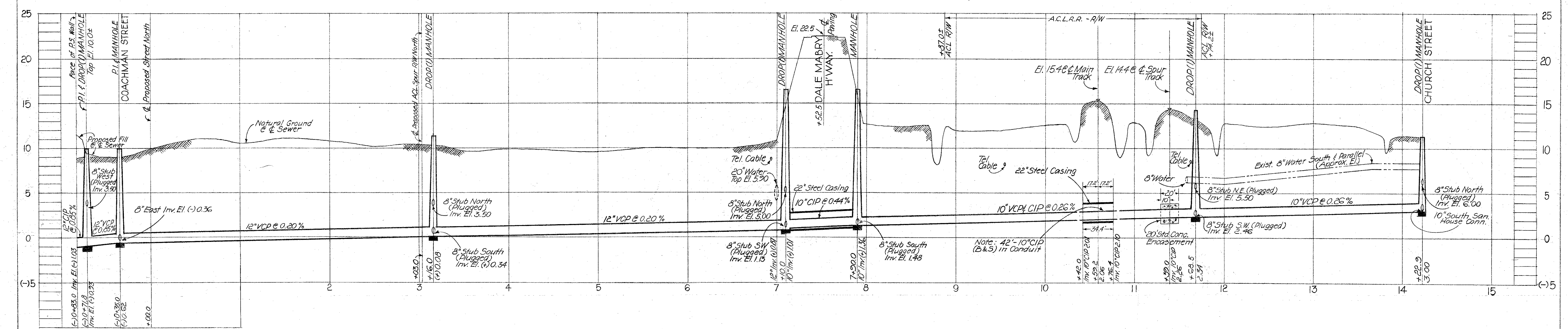
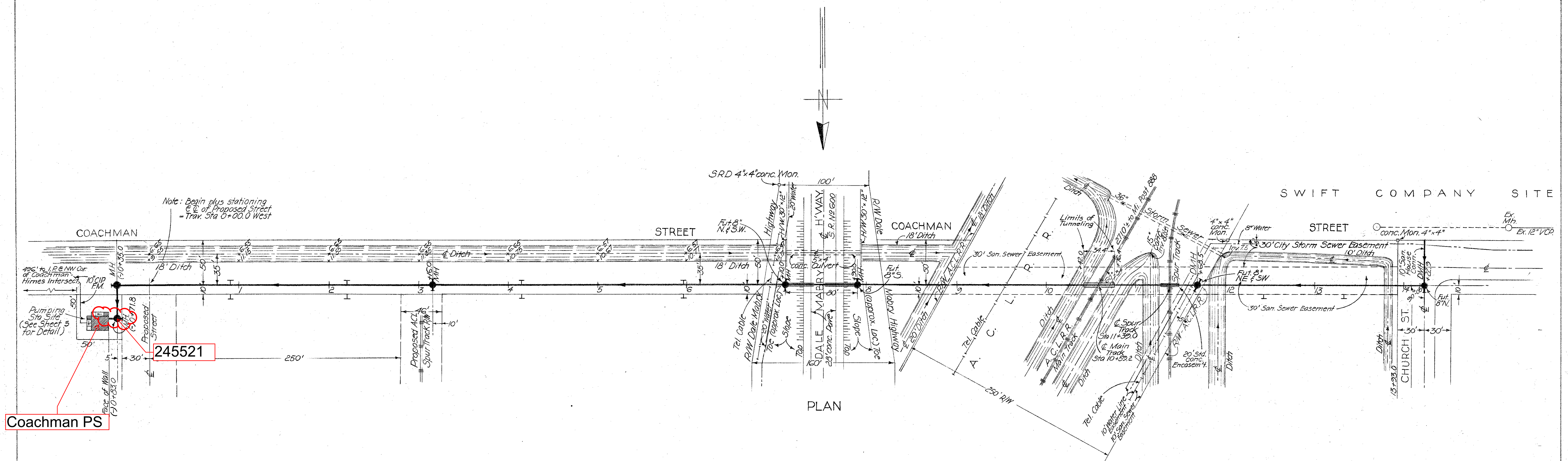
CITY OF TAMPA FLORIDA
RENEWAL AND REPLACEMENT FUND
SEWER IMPROVEMENTS
VIRGINIA AVENUE
REHABILITATION

R&R FORCE ACCOUNT NO 22
SUBMITTED: *[Signature]*
BUREAU OF SANITARY SEWERS.
APPROVED: *[Signature]*
Greeley and Hansen Engineers



SHEET
2
OF 3

002-023



Coachman PS

245521

SEWER LINE LOCATION
SEC. MAP No. LINE No.
L-99

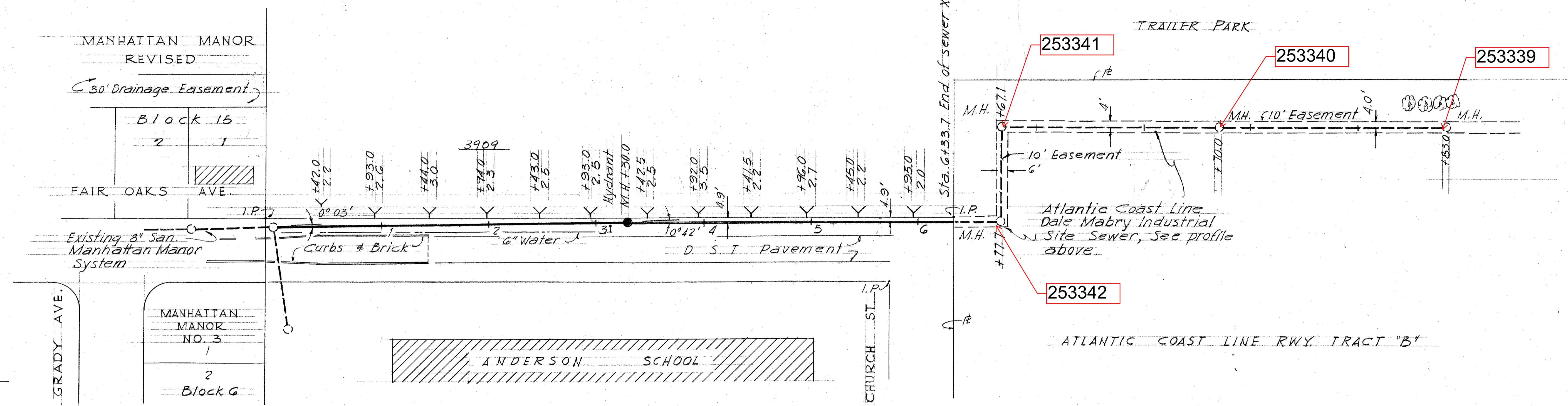
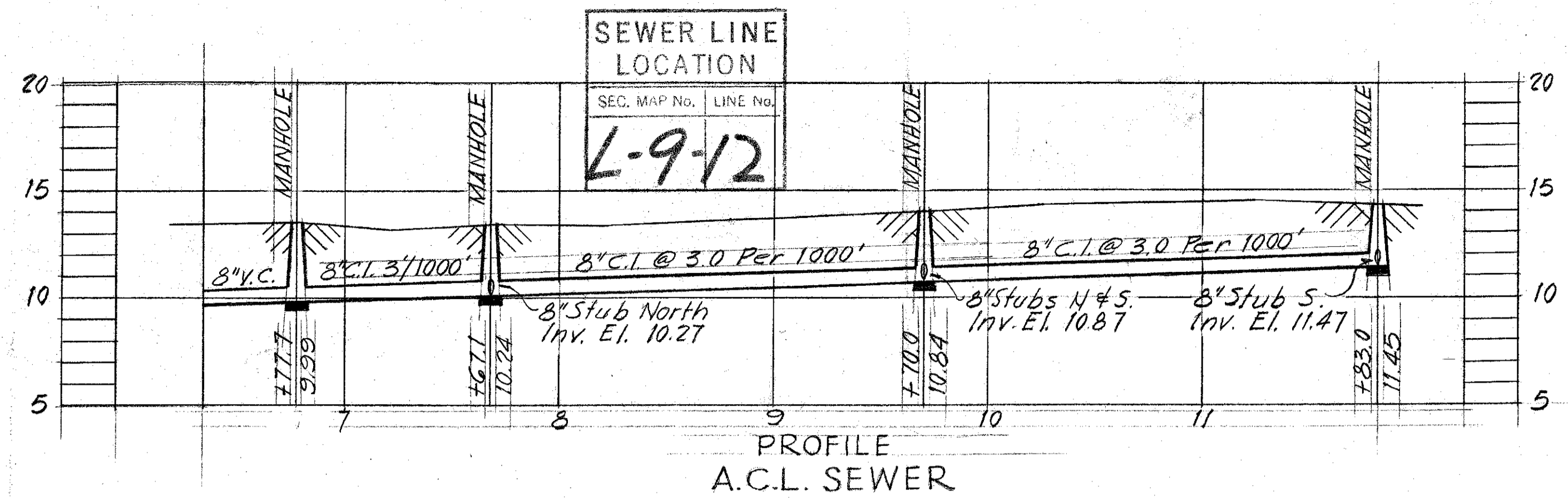
NOTES:
Tops of Manholes to be 12" above exist. grade
Req'd - Sta 7+13 to Sta 7+87 74 Lin. Ft.
22" Dia Steel Pipe Jacked and Bored Casing
Req'd - Sta 7+10 to Sta 7+20
76 Lin. Ft. 10" Dia Cast Iron Pipe
- See Specifications for limited Tolerances for 22" Dia Casing -
Req'd - Sta 10+42 to Sta 10+76.4
34.4 Lin. Ft. 22" Dia Steel Pipe Jacked and Bored Casing
Req'd - Sta 10+39 to Sta 10+81
42 Lin. Ft. 10" Dia Cast Iron Pipe
- Provide Standard Concrete Collar & Joints of VCP to CIP

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

COACHMAN ST. - 541± W. of HIMES AVE.
to CHURCH ST.

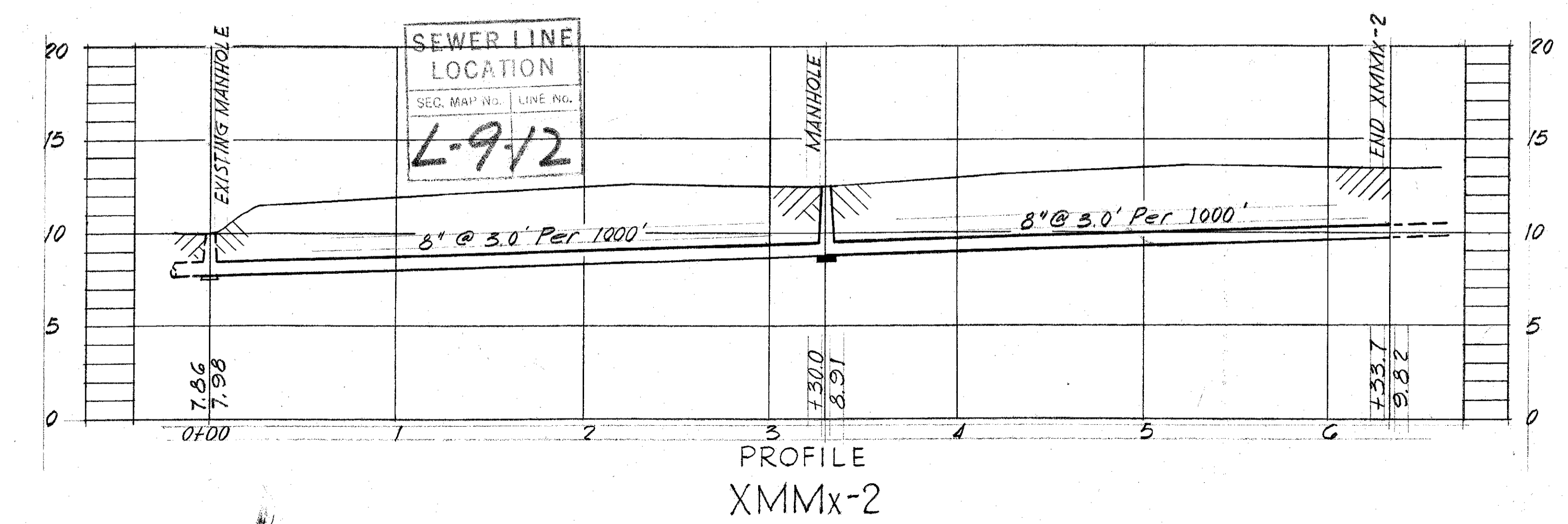
DES: ASOCMT	SCALE:	SHEET 2 OF 8
DRN: H K	50 0 50 100 1" = 50'	
CKD: CMT		
DATE: NOV. 1962		

005-032



PLAN

AS BUILT PLAN
 Revised to show conditions
 at time of construction.



PROFILE
XMMx-2

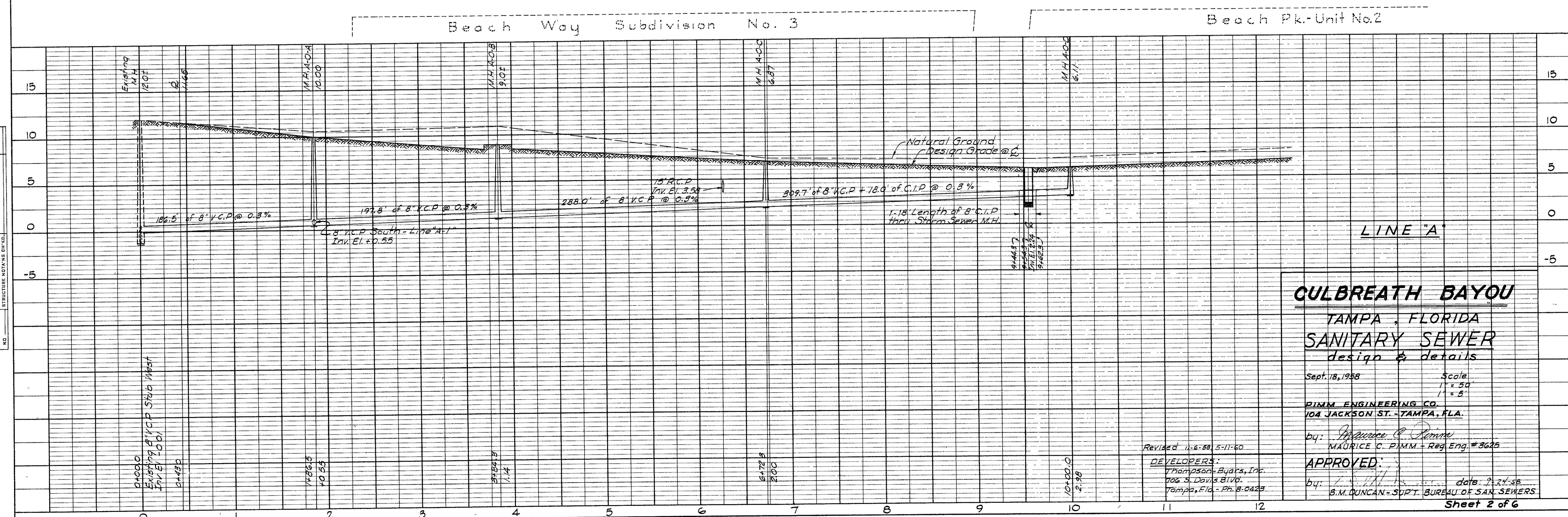
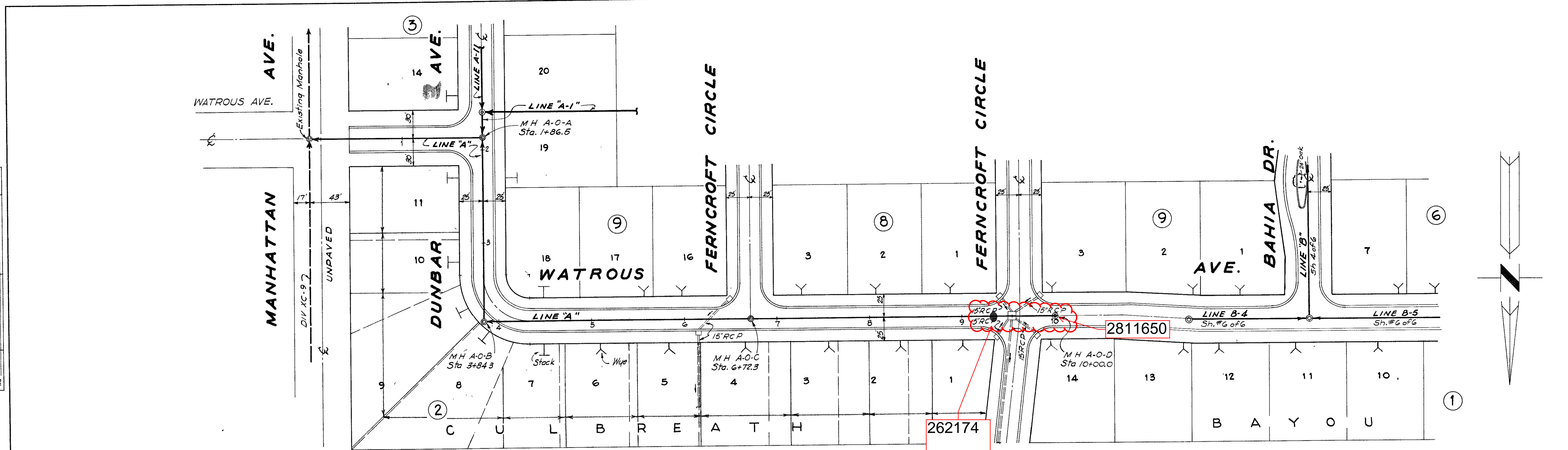
CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
EXTENSIONS IN MANHATTAN MANOR		
XMMx-2		
FORCE ACCOUNT NO. X-4		
SUBMITTED:	BUREAU OF SANITARY SEWERS	
APPROVED:	GREELEY AND HANSEN, ENGINEERS	
DES. CMT.	SCALE	SHEET
DR. E. C. A.	50 0 50 100	1
CKD. R. E. F.	1" = 50'	OF 1
DATE:		
SEPT., 1958		

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

006-006

PLAN	SURVEYED	BY	DATE
NO.	NOTED		
	ALIGNED		
	CHECKED		
	RT. OF WAY		
	CHECKED		

PROFILE	SURVEYED	BY	DATE
NO.	NOTED		
	ALIGNED		
	CHECKED		
	STRUCTURE		
	NOTED		
	ADJ. V. CH. V.		



CULBREATH BAYOU
TAMPA, FLORIDA
SANITARY SEWER
design & details

Sept. 18, 1958
Scale
1" = 50'
1" = 5'
PIMM ENGINEERING CO.
104 JACKSON ST. - TAMPA, FLA.
by: *Maurice C. Pimm*
MAURICE C. PIMM - Reg. Eng. #3625

APPROVED:
by: *B.M. Duncan* date: 2-27-58
B.M. DUNCAN - SUPT. BUREAU OF SAN. SEWERS

Revised 11-6-58, 5-11-60
DEVELOPERS:
Thompson-Byars, Inc.
106 S. Davis Blvd.
Tampa, Fla. - Ph. 8-0428

011-002

DATE	
BY	
SURVEYED	
NOTE BOOK	
ALIGNMENT CHECKED	
ST. OF WAY CHECKED	
NO.	

DATE	
BY	
SURVEYED	
NOTE BOOK	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTAS DR'VAL.	
NO.	

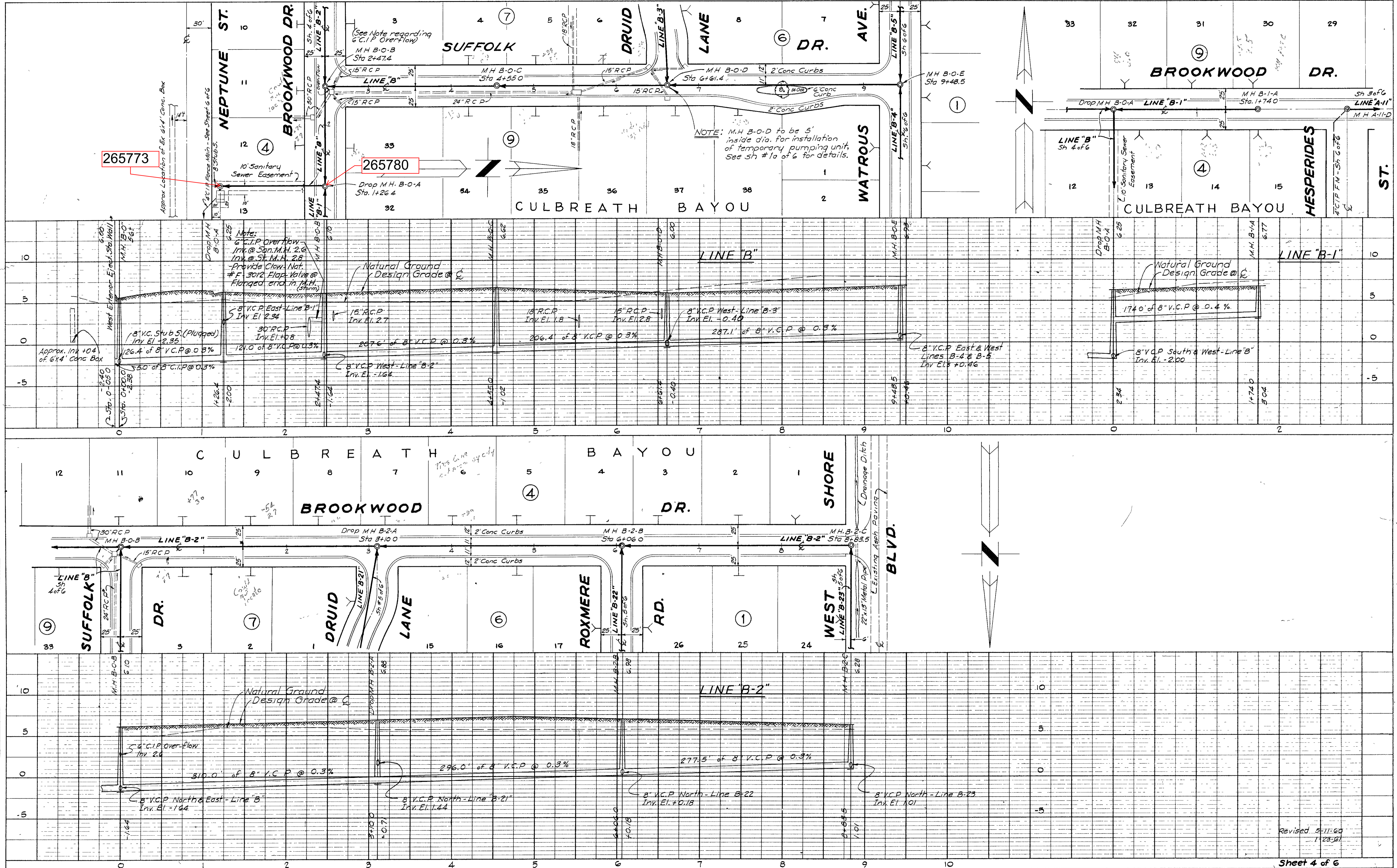


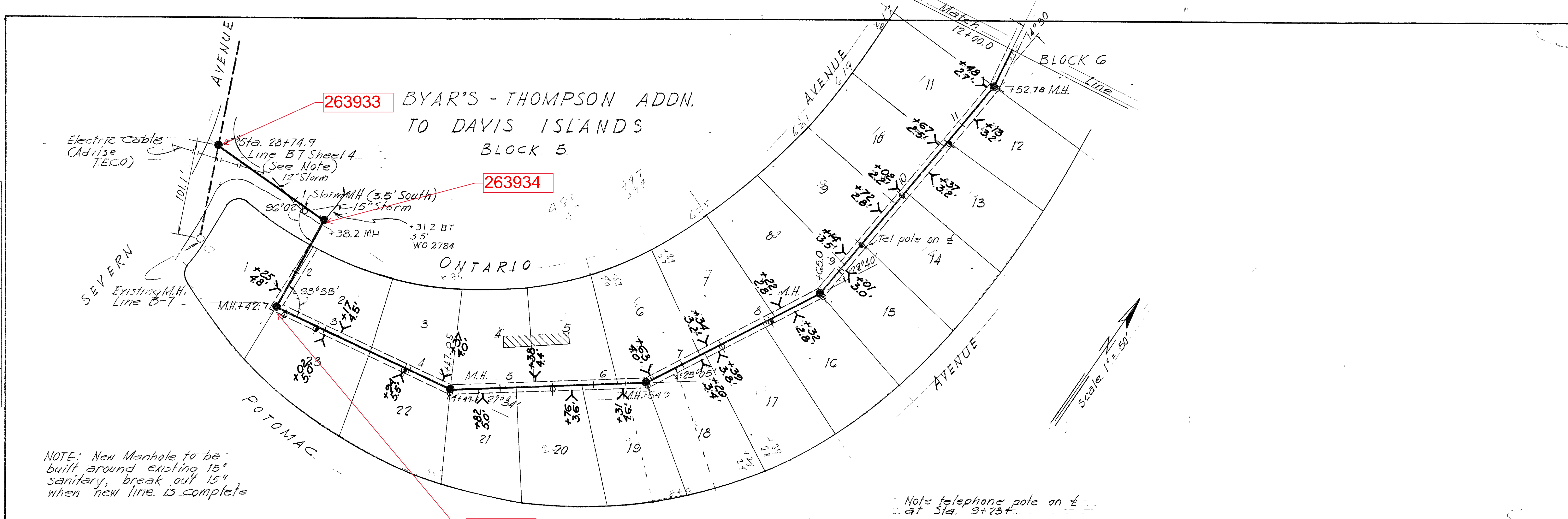
PLATE 2-PLAN-PROFILE G.P.R. & R.E. STANDARD
 100% AGEPROOF VELLUM-MADE AND PRINTED IN U.S.A.
 EUGENE DIETZEN CO.

Revised 5-11-60
 1-23-61

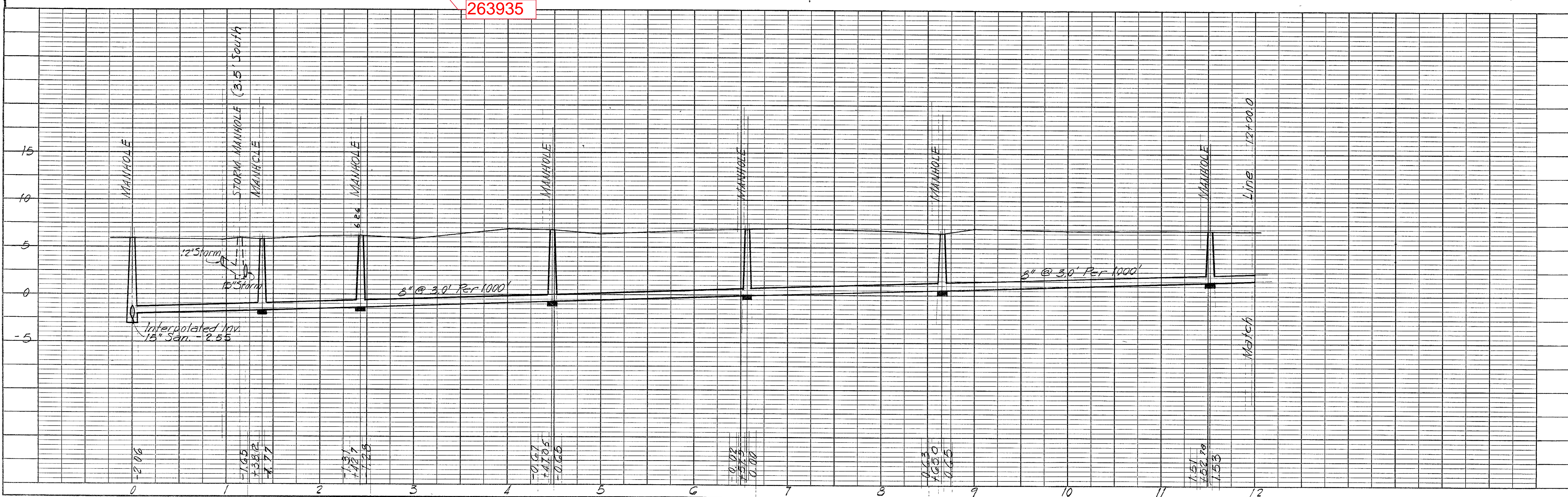
011-004

PLAN	DATE
BY	
REVISIONS	
1. SURVEYED	
2. PLOTTED	
3. CHECKED	
4. REVISIONS	
5. M. E. NOTED	
6. STRUCTURE NOTATIONS	
NO.	

PROFILE	DATE
BY	
REVISIONS	
1. SURVEYED	
2. PLOTTED	
3. CHECKED	
4. REVISIONS	
5. M. E. NOTED	
6. STRUCTURE NOTATIONS	
NO.	



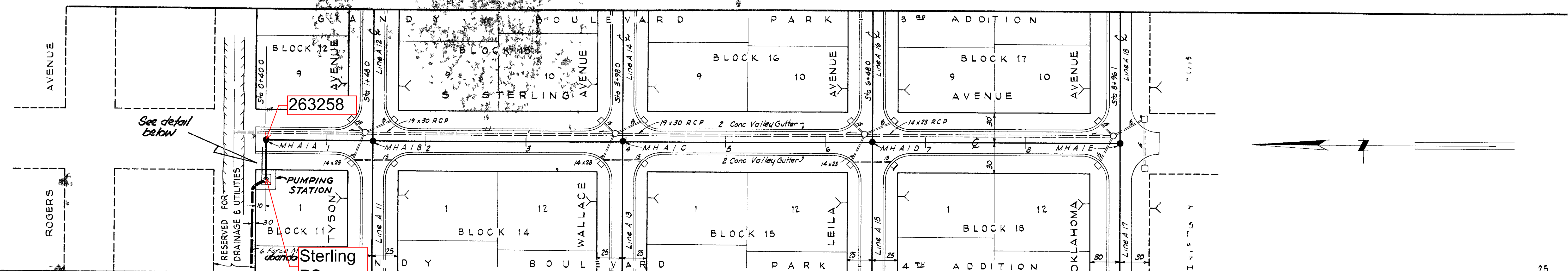
NOTE: New Manhole to be built around existing 15" sanitary, break out 15" when new line is complete



PLAN
 SURVEYED, PLOTTED, & CHECKED
 NOTE BOOK NO. NOTED
 STRUCTURE NOTAT. N.S.C. K.

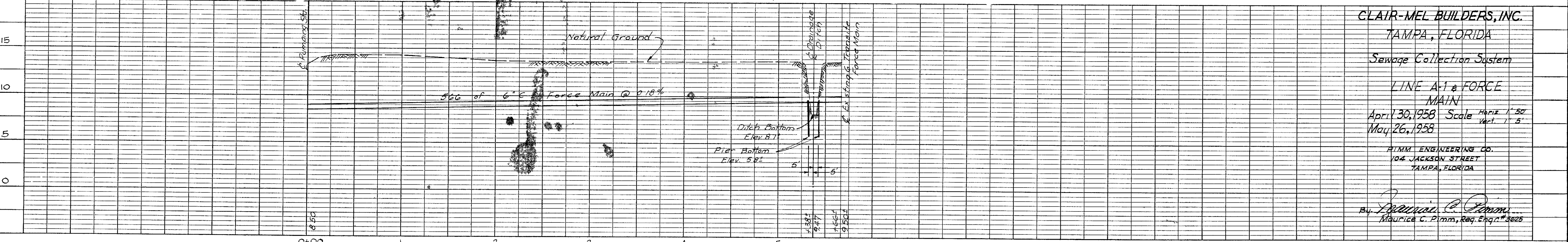
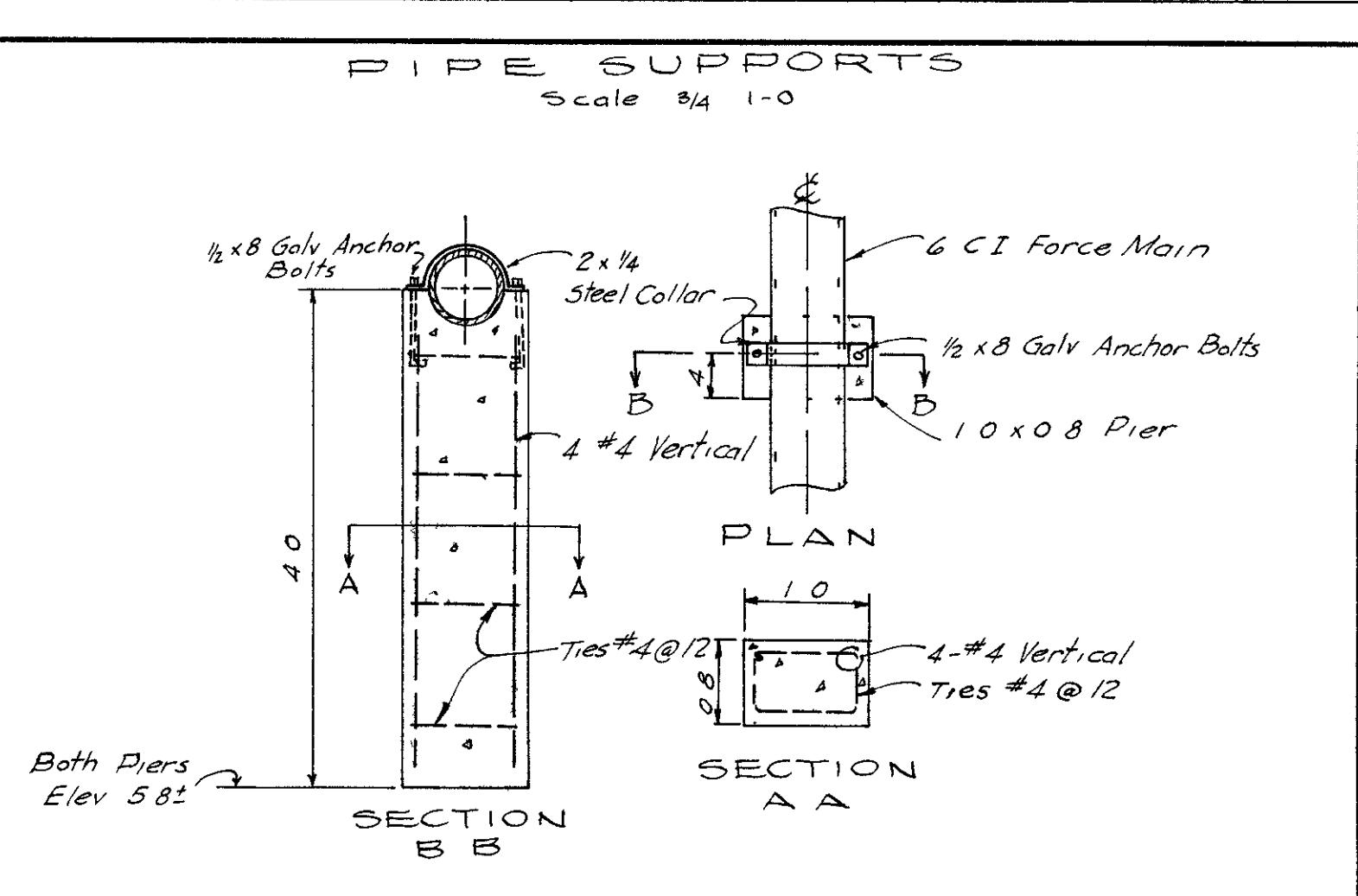
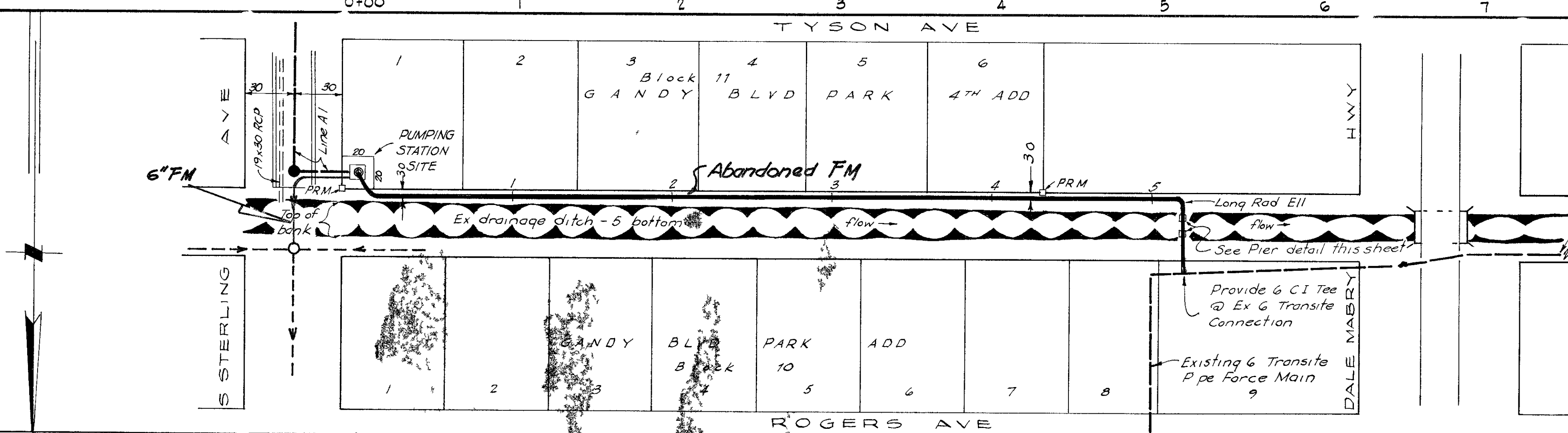
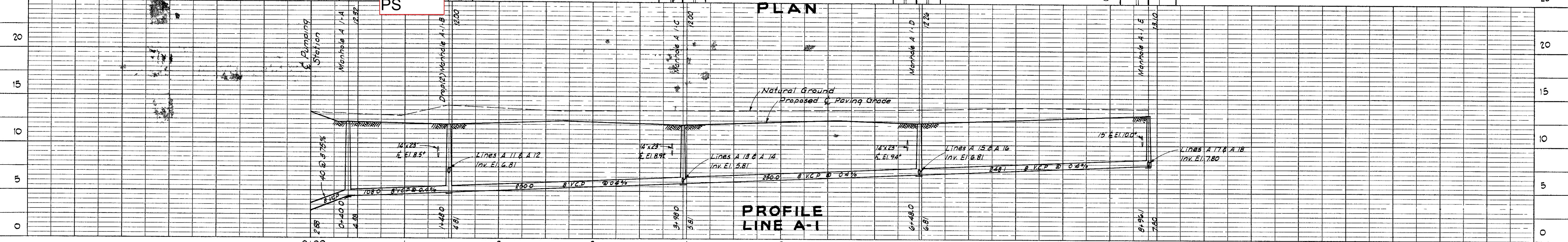
PROFILE
 SURVEYED, PLOTTED, & CHECKED
 NOTE BOOK NO. NOTED
 STRUCTURE NOTAT. N.S.C. K.

BY DATE
 MAURICE C. PIMM
 APR 30 1958

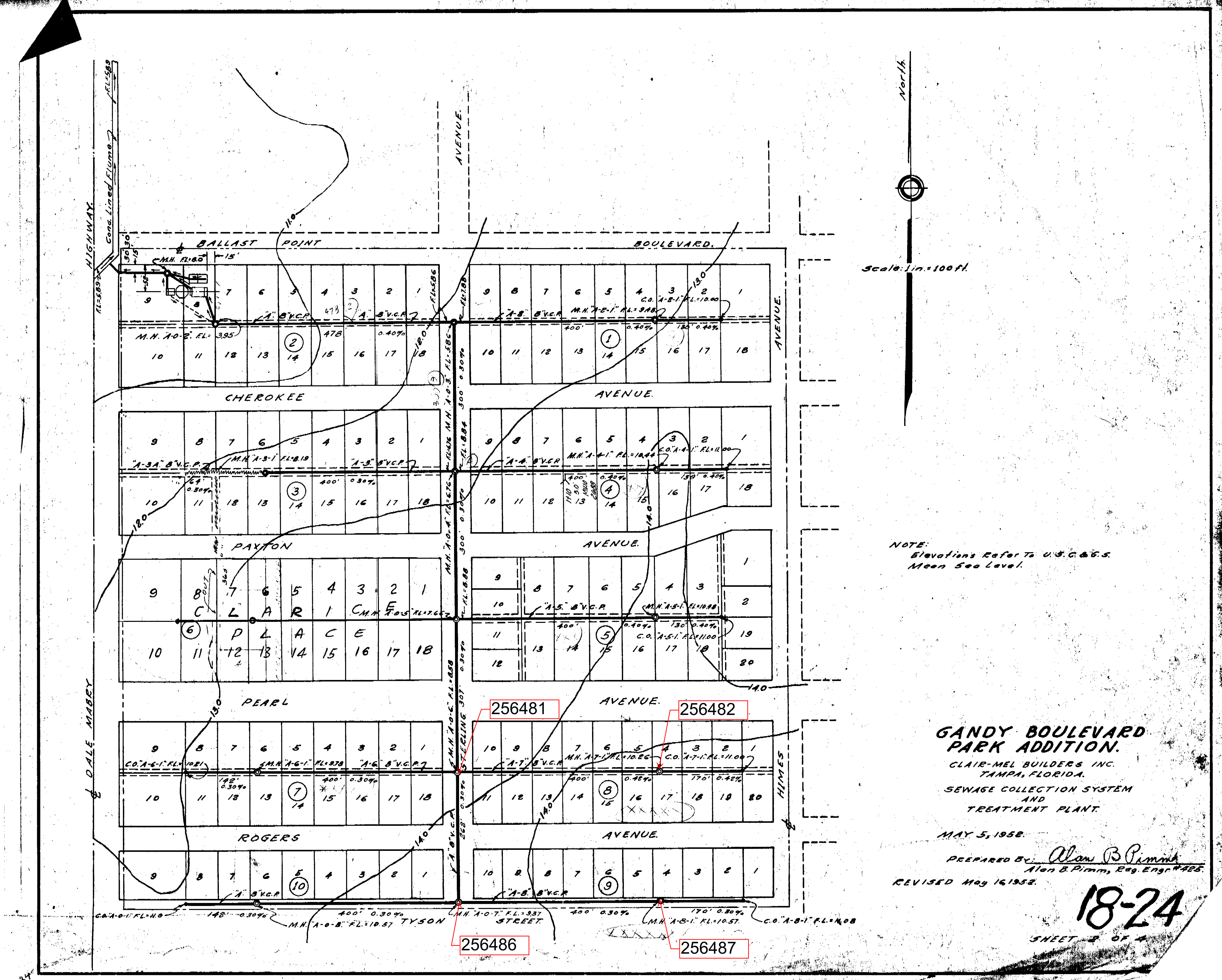


PLAN

PROFILE LINE A-1



CLAIR-MEL BUILDERS, INC.
 TAMPA, FLORIDA
 Sewage Collection System
 LINE A-1 & FORCE MAIN
 April 30, 1958 Scale Horiz. 1" = 50'
 May 26, 1958 Scale Vert. 1" = 5'
 PIMM ENGINEERING CO.
 104 JACKSON STREET
 TAMPA, FLORIDA
 By Maurice C. Pimm
 Maurice C. Pimm, Reg. Eng. #3025



Scale: 1 in. = 100 ft.

NOTE:
Elevations Refer To U.S.C.&G.S.
Mean Sea Level.

**GANDY BOULEVARD
PARK ADDITION.**
CLAIR-MEL BUILDERS INC.
TAMPA, FLORIDA.
SEWAGE COLLECTION SYSTEM
AND
TREATMENT PLANT.

MAY 5, 1958.

PREPARED BY: Alan B. Pimm
Alan B. Pimm, Reg. Engr. #425.
REVISED May 16, 1958.

18-24

SHEET 2 OF 4

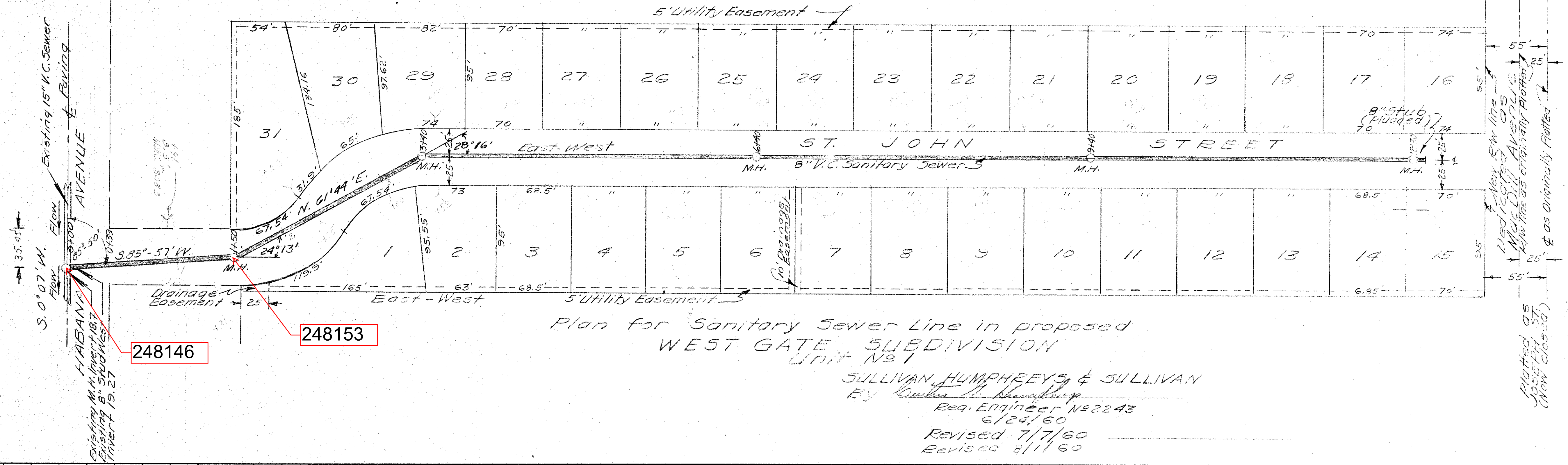
256481

256482

256486

256487

PLAN	ENGINEER	DATE
REVISIONS		
NO.		



248146

248153

Plan for Sanitary Sewer Line in proposed WEST GATE SUBDIVISION Unit #1

SULLIVAN HUMPHREYS & SULLIVAN
 By Quinn J. Humphreys
 Reg. Engineer No. 2243
 6/24/60
 Revised 7/7/60
 Revised 3/1/60

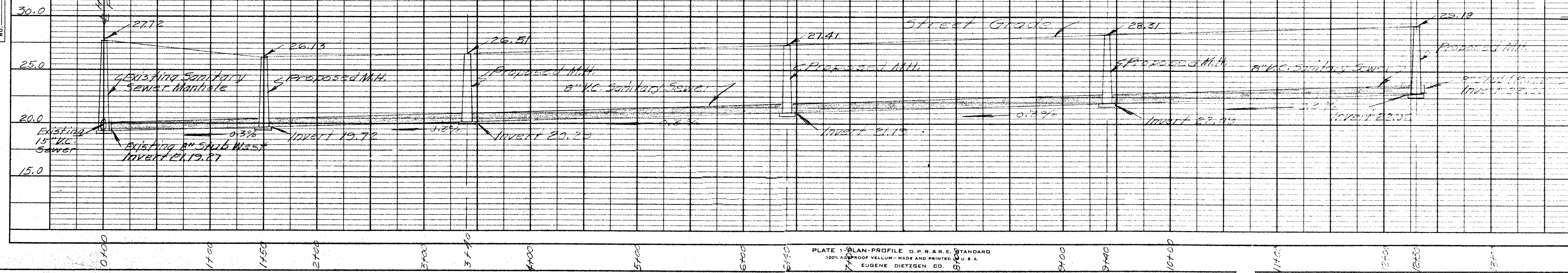
Plotted as per original plan
 & as originally plotted
 (Now closed)
 M.H. = Man Hole
 1" = 50'

PROFILE	ENGINEER	DATE
REVISIONS		
NO.		

Profile Scales
 Horizontal 1" = 50'
 Vertical 1" = 5'

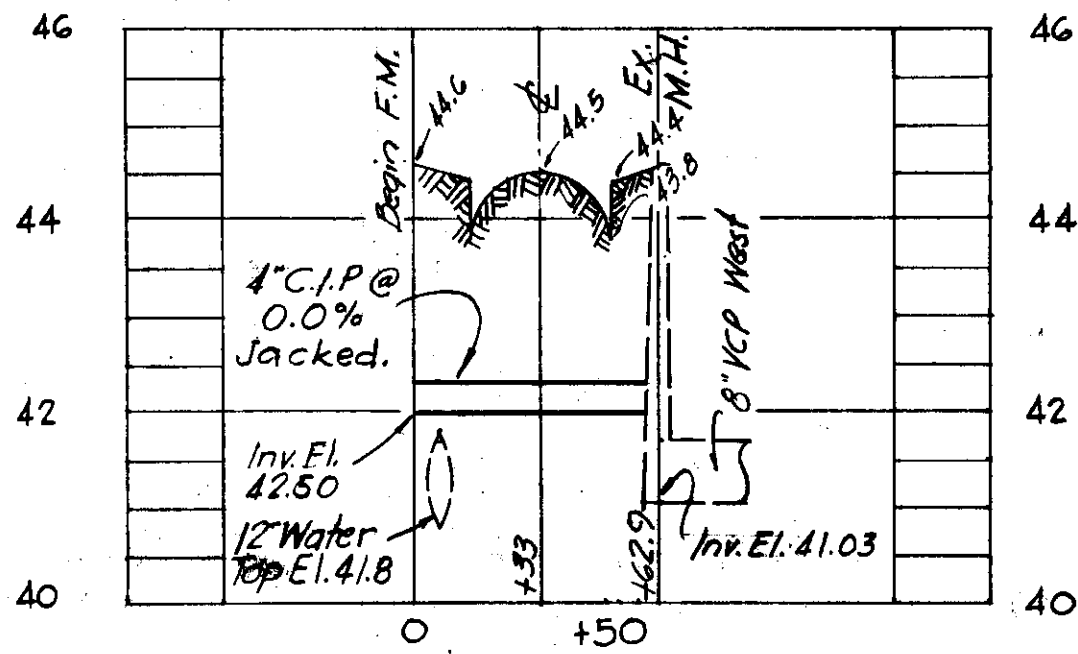
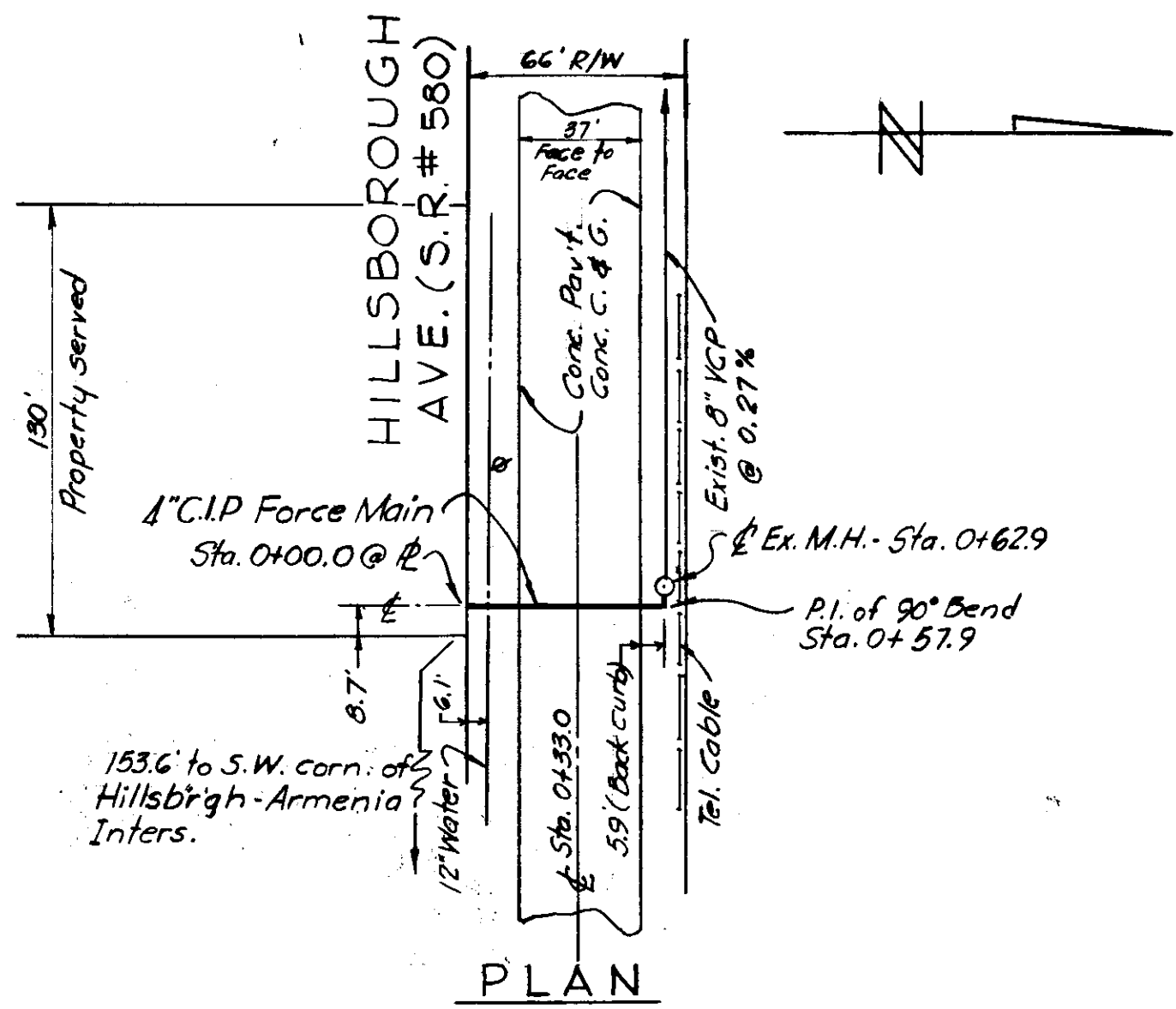
Note - All Sewer lines and Man-holes to be constructed in accordance with City of Tampa Standards

Elevations shown are as City Datum, City of Tampa City B.M. A-336, Elev. 38.550 S.E. Cor. of Cont. Par. 2602 Lincoln Ave. N.W. Cor. Lincoln & St. Conrad



West Gate Subdivision, Unit #1
 Developer: John More
 Engineers: Sullivan, Humphreys & Sullivan
 Approved by: R. W. Anderson
 City of Tampa
 Aug 8, 60

Notes:
 1) Bench Mark # A-482, Elev. 46.233; 'x' cut on top bolt on N.W. corn. of Gulf sign on S.E. corn. of Armenia & Hillsborough
 2) General elevations from Southworth Associates which is based on City Datum. (Plan dated 11-13-62)



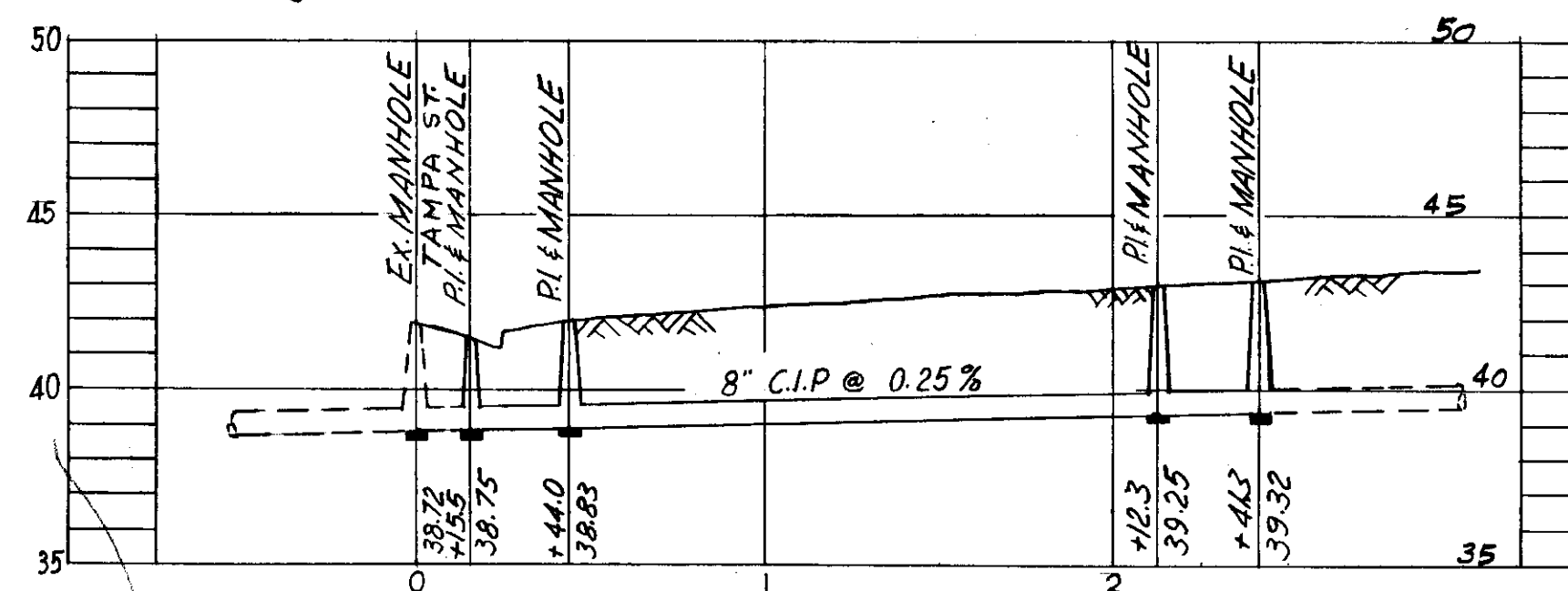
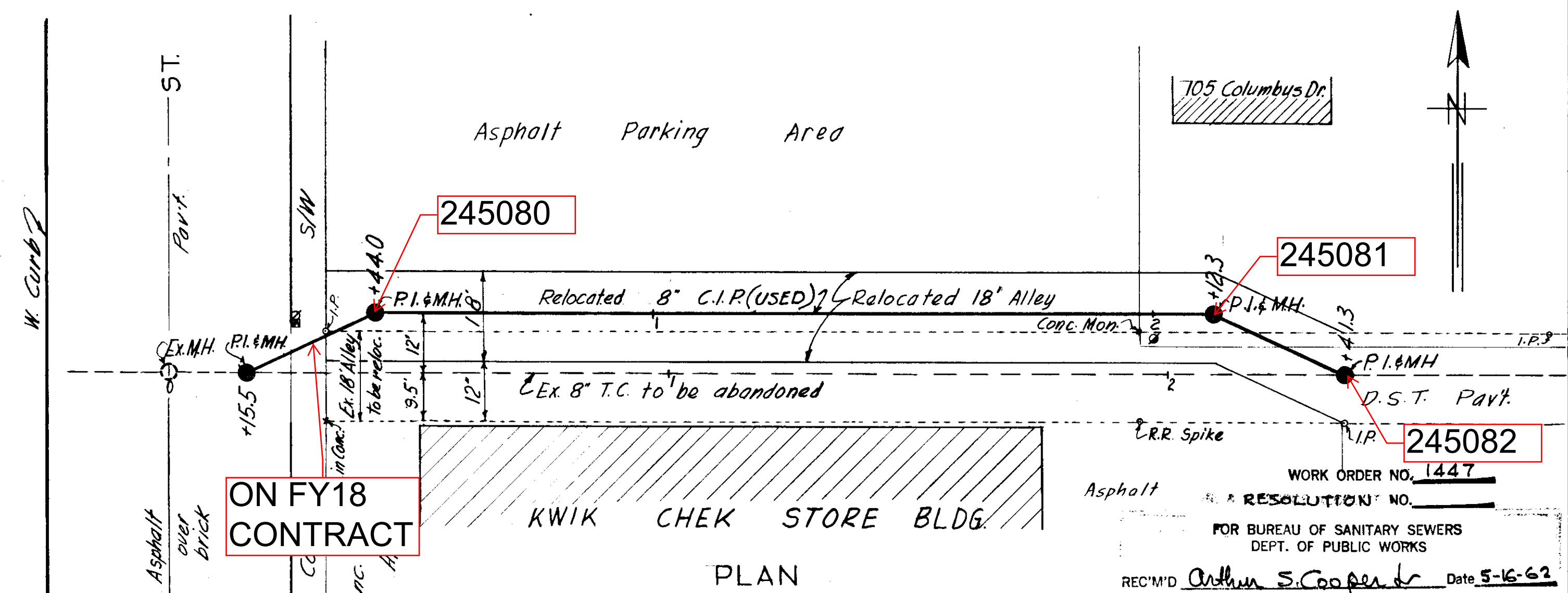
PROFILE

WORK ORDER NO. 1594
 RESOLUTION NO. 6093-D
 FOR BUREAU OF SANITARY SEWERS
 DEPT. OF PUBLIC WORKS
 REC'D *Arthur S. Cooper Jr.* Date 1-11-63
 Executive Engineer
 APPROVED *George J. Jenkins* Date 2-18-63
 Superintendent
 APPROVED *Ray P. Van Camp* Date 2-18-63
 Supt. Dept. of Public Works
 FOR J. E. GREINER COMPANY
 APPROVED *George J. Jenkins* Date 2-13-63
 FOR WIEDEMAN AND SINGLETON
 APPROVED *C. E. Drummond Jr.* Date 2-13-63

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWAGE DISPOSAL SYSTEM

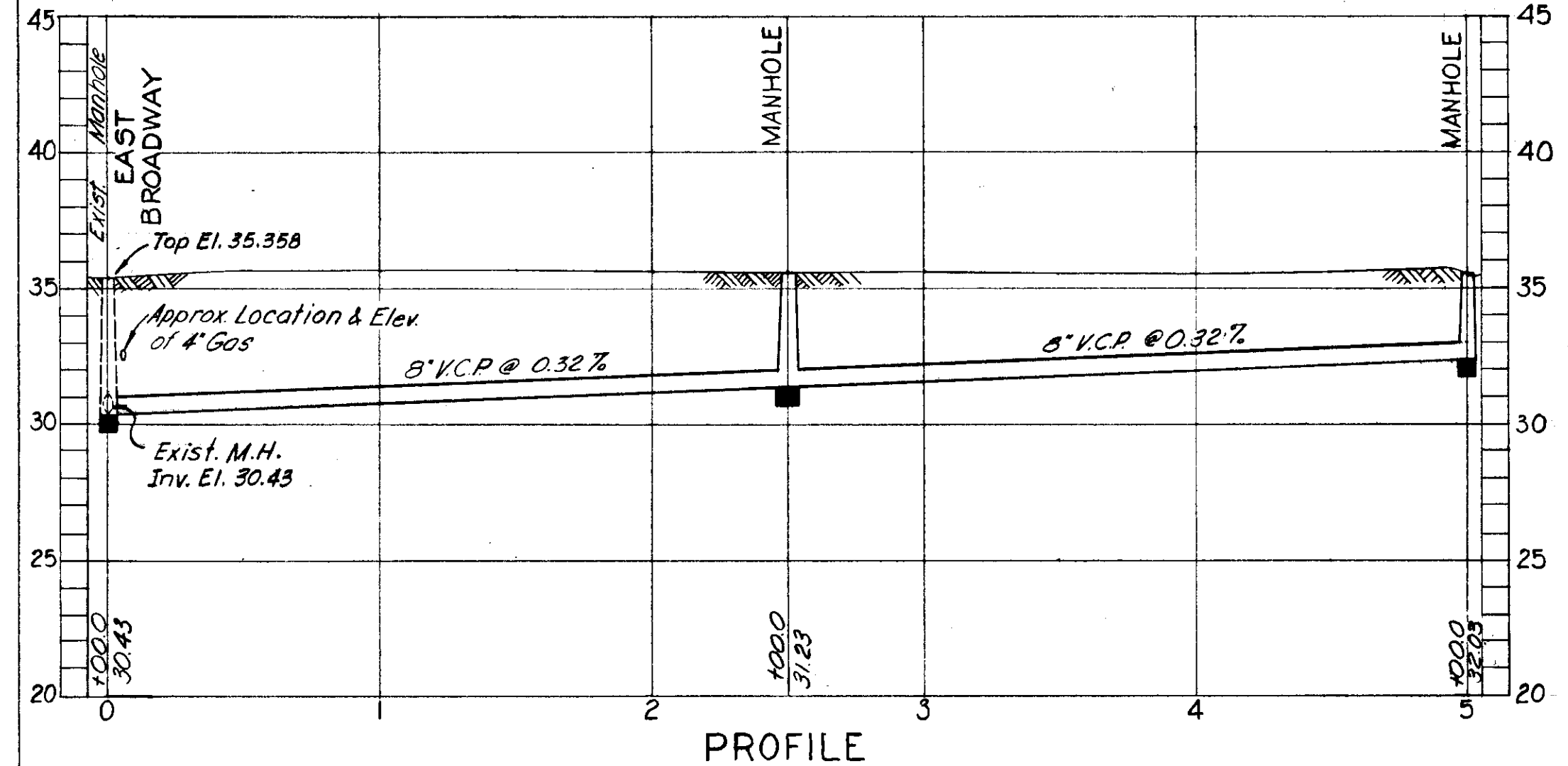
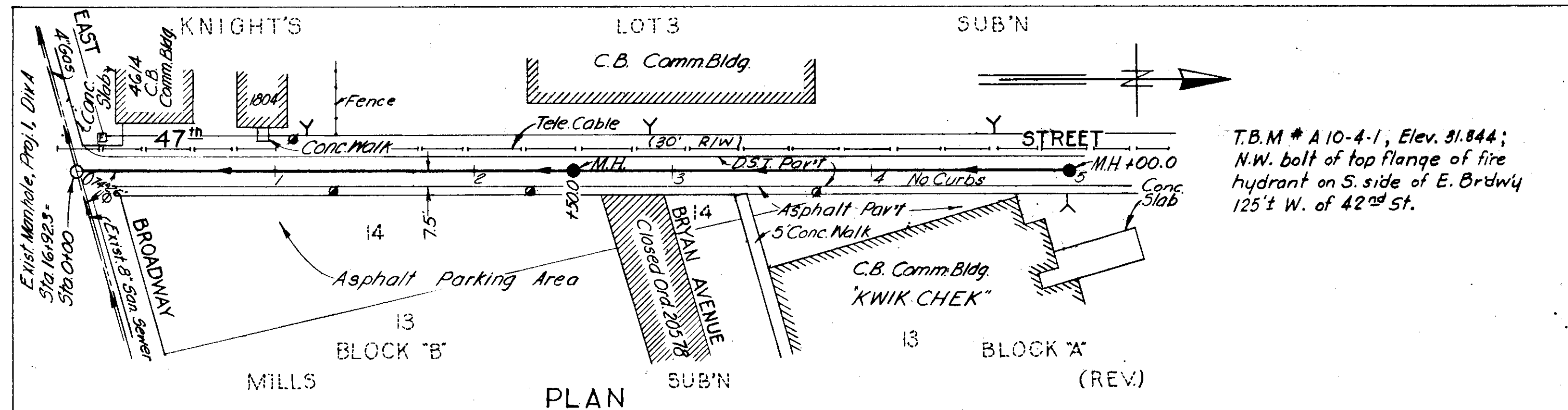
HILLSBOROUGH AVE. FORCE MAIN
 (West of Armenia Ave. 154'±)

DES: CMT
 DRN: CMT
 CHD: ASC
 DATE JAN. 1963
 SCALE
 1" = 50' Horiz.
 1" = 2' Vert.
 SHEET
 OF 1



PROFILE

WORK ORDER NO. 1447
 RESOLUTION NO. _____
 FOR BUREAU OF SANITARY SEWERS
 DEPT. OF PUBLIC WORKS
 REC'D *Arthur S. Cooper Jr.* Date 5-16-62
 Executive Engineer
 APPROVED *George J. Jenkins* Date 7-10-62
 Superintendent
 APPROVED *Ray P. Van Camp* Date 7-10-62
 Supt. Dept. of Public Works
 FOR J. E. GREINER COMPANY
 APPROVED *George J. Jenkins* Date 7-9-62
 FOR WIEDEMAN AND SINGLETON
 APPROVED *C. E. Drummond Jr.* Date 7-9-62
 CITY OF TAMPA, FLORIDA
 BUREAU OF SANITARY SEWERS
 SEWER RELOCATION
 ALLEY N. of Amelia Ave. @ Tampa St.
 DES: JMR
 DRN: JMR
 CKD: ASC
 DATE MAY 1962
 SCALE
 HOR. 1" = 20'-0"
 VER. 1" = 5'-0"
 SHEET
 OF 1

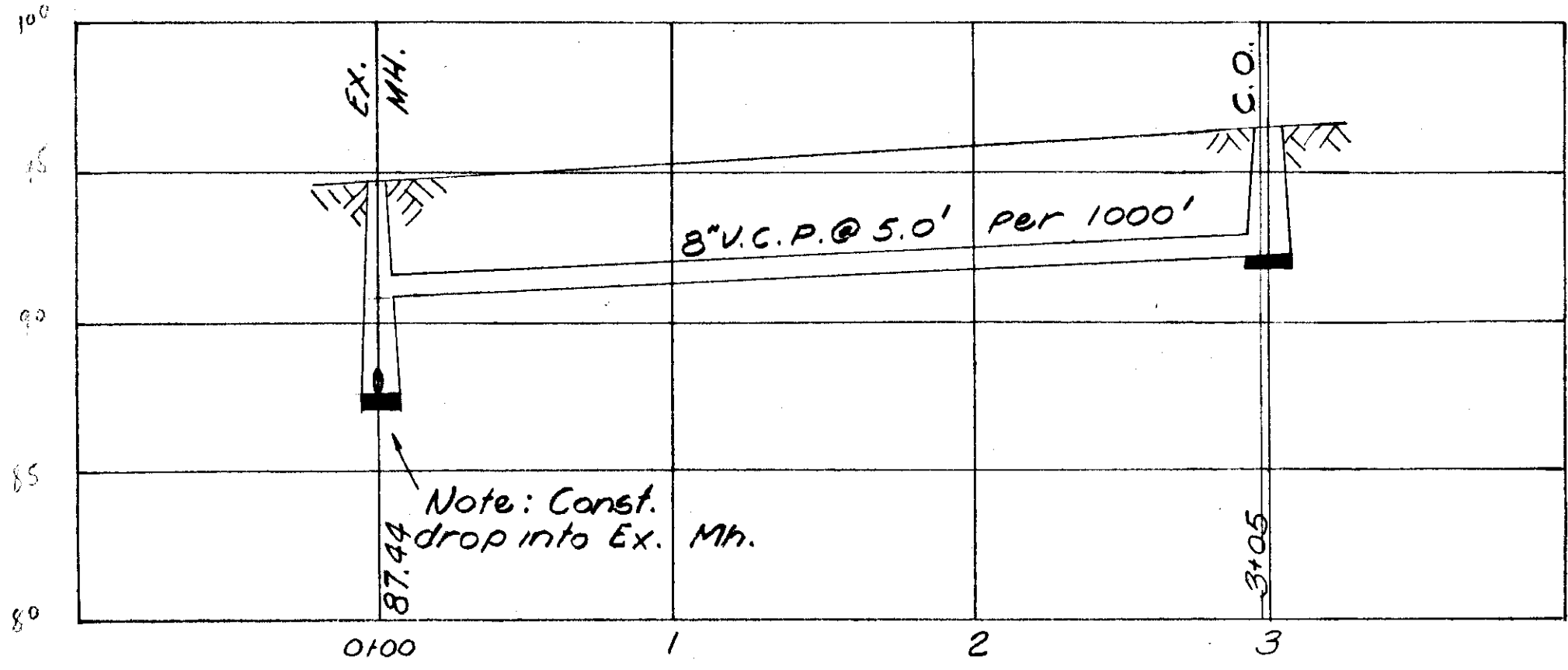
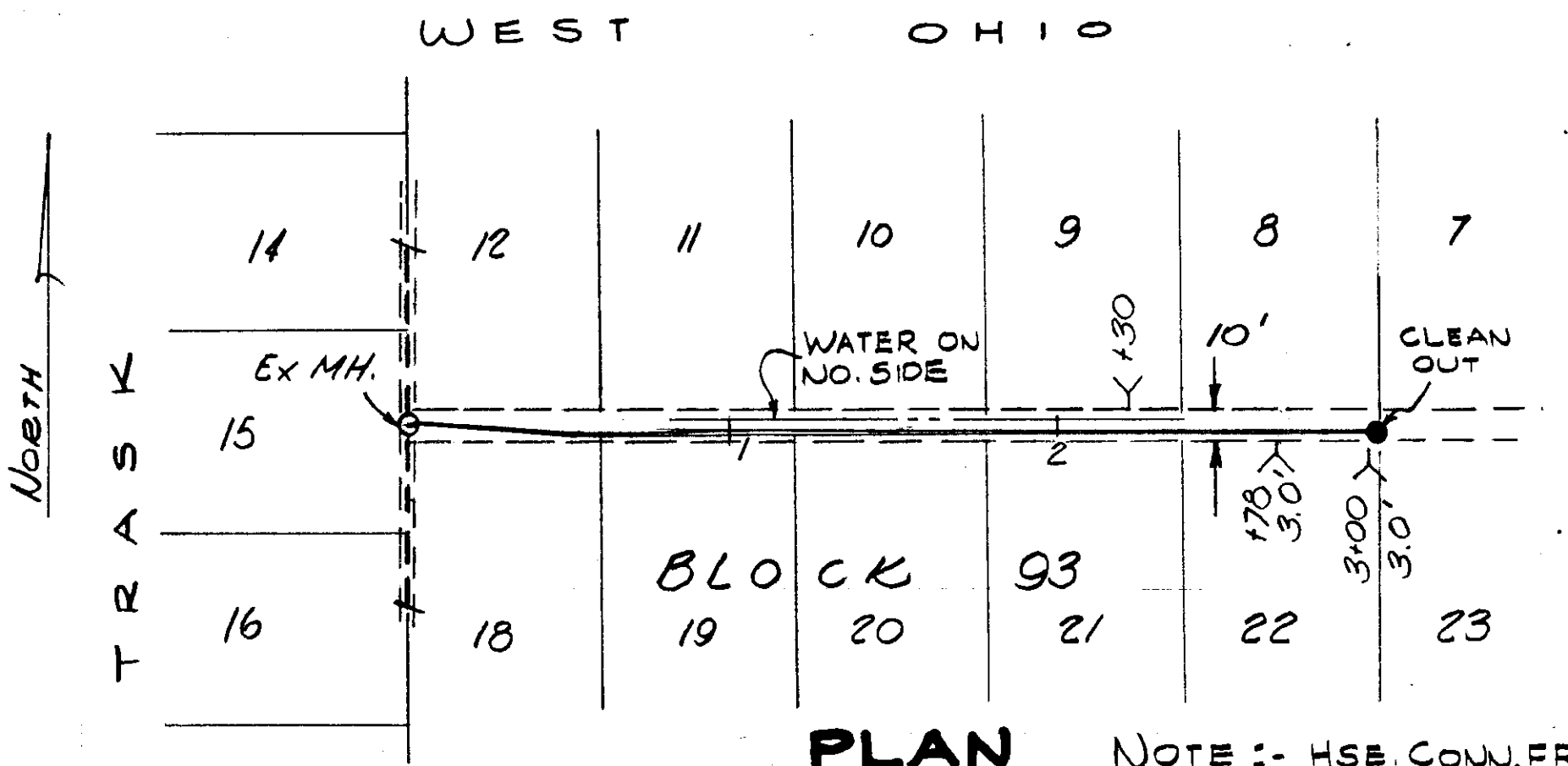


PROFILE

WORK ORDER NO. 1593
 RESOLUTION NO. 6820-D
 FOR BUREAU OF SANITARY SEWERS
 DEPT. OF PUBLIC WORKS
 REC'D *Arthur S. Cooper Jr.* Date 6-6-63
 Executive Engineer
 APPROVED *George J. Jenkins* Date 6-24-63
 Superintendent
 APPROVED *Ray P. Van Camp* Date 6-20-63
 Supt. Dept. of Public Works
 FOR J. E. GREINER COMPANY
 APPROVED *George J. Jenkins* Date 6-19-63
 FOR WIEDEMAN AND SINGLETON
 APPROVED *C. E. Drummond Jr.* Date 6-19-63

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS
 47th ST.: East Broadway to
 500' North.

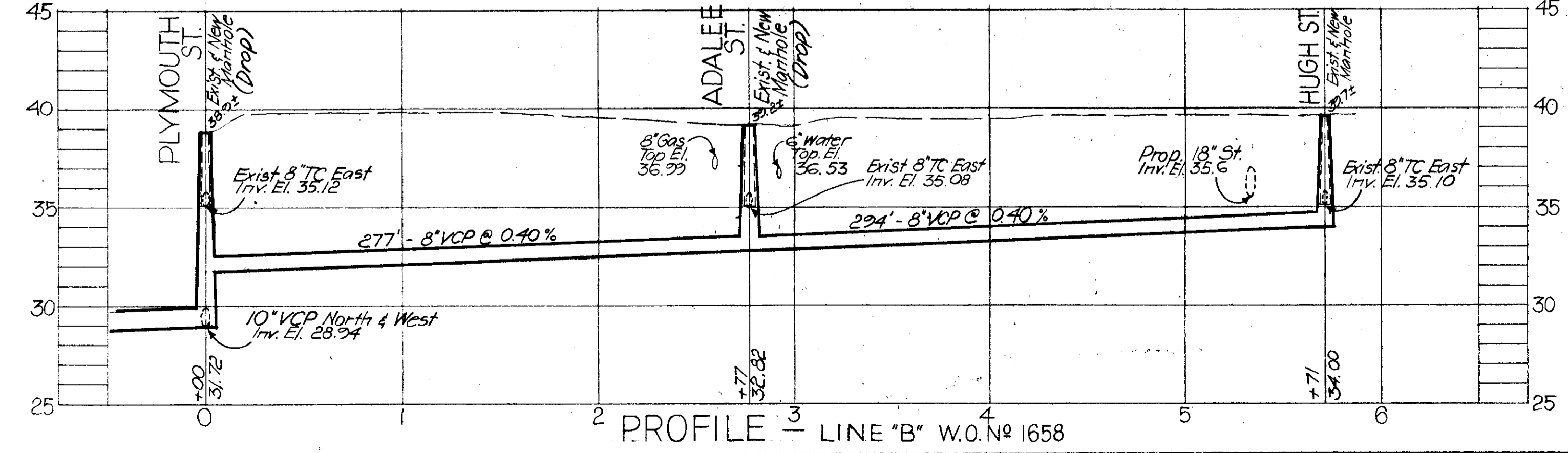
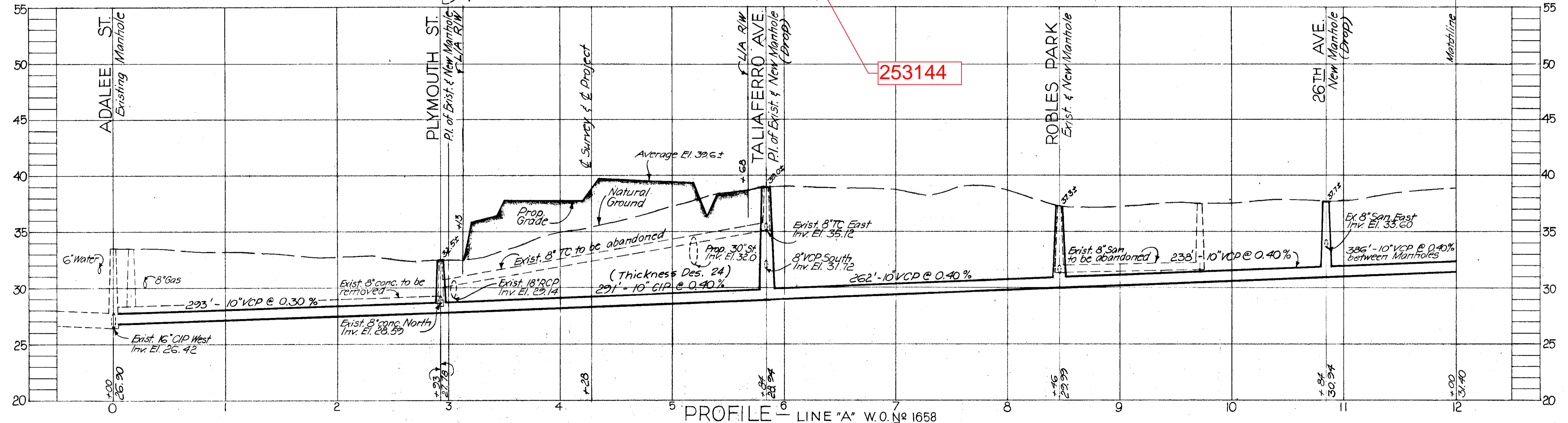
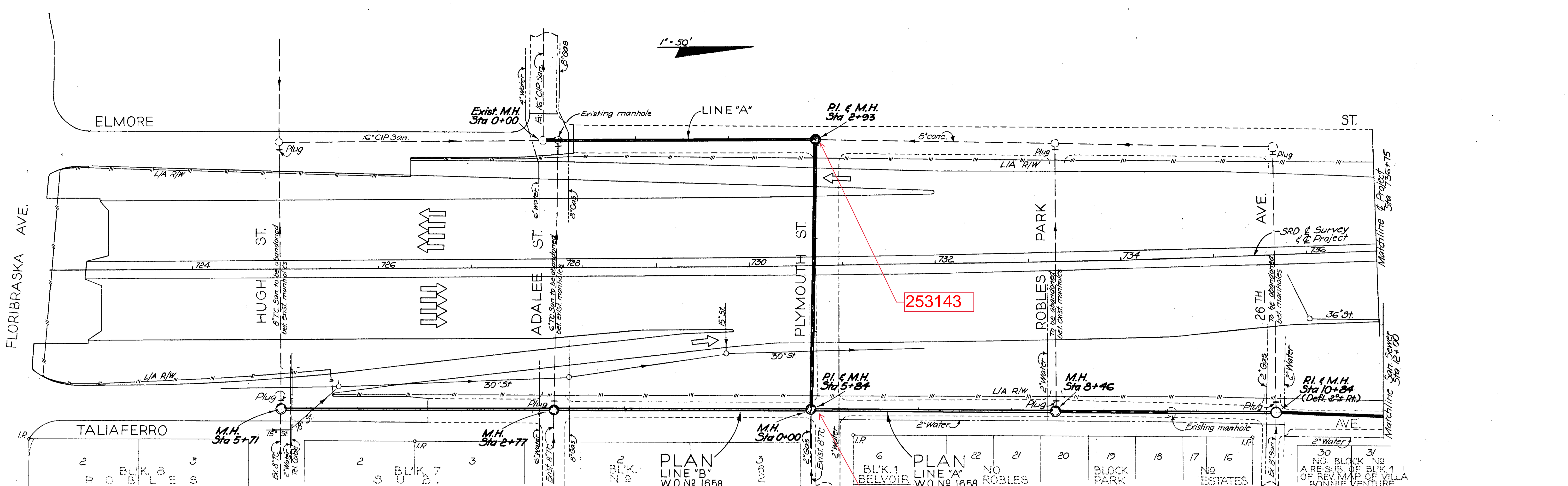
DES: PAL
 DRN: PAL
 CKD: CMT
 DATE JUNE 1963
 SCALE
 1" = 50'
 SHEET
 OF 1



PROFILE

(ASSUMED ELEV.)
 G.P. @ Ex. MH 94.82
 INV. " " 87.44
 INV. EAST 90.82
 INV. @ 300' 92.32
 INV. @ 310' 92.37

DPx-6
 WO. 1386
 021-031



EXPRESSWAY FORCE ACCOUNT No 8 W.O. No 1658

CITY OF TAMPA, FLORIDA
BUREAU OF SANITARY SEWERS

MODIFICATIONS DUE TO EXPRESSWAY SYSTEM

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

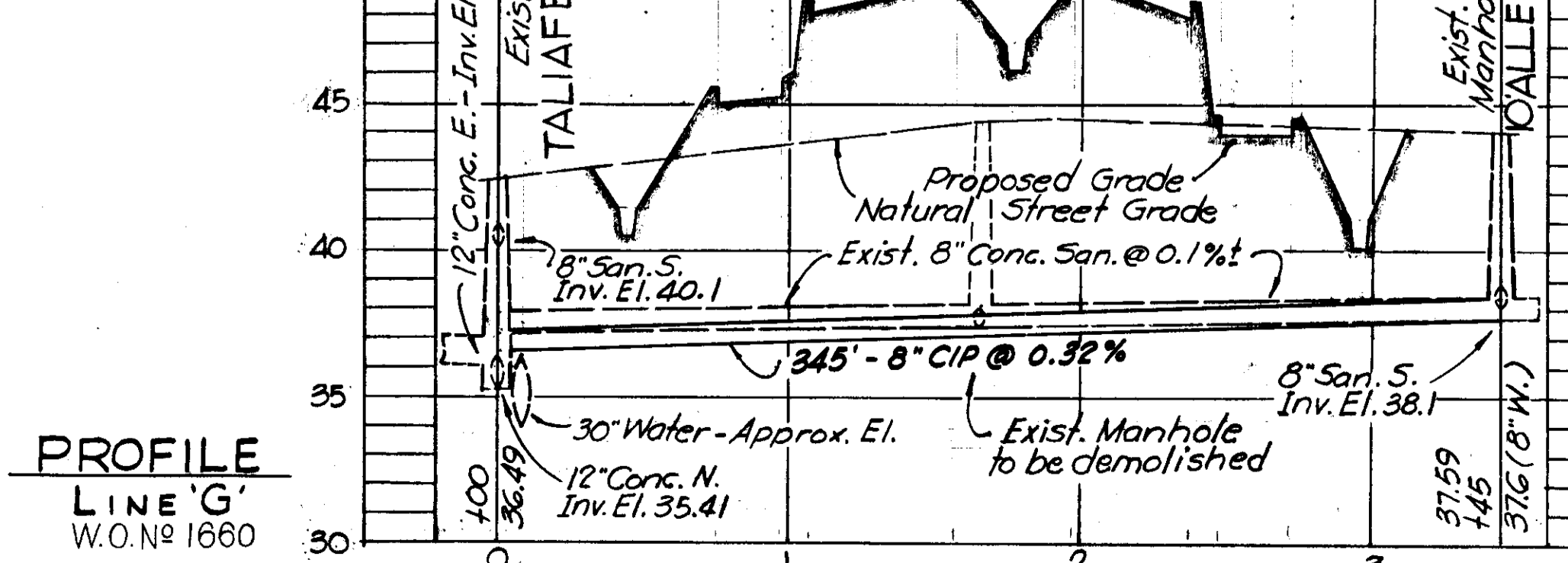
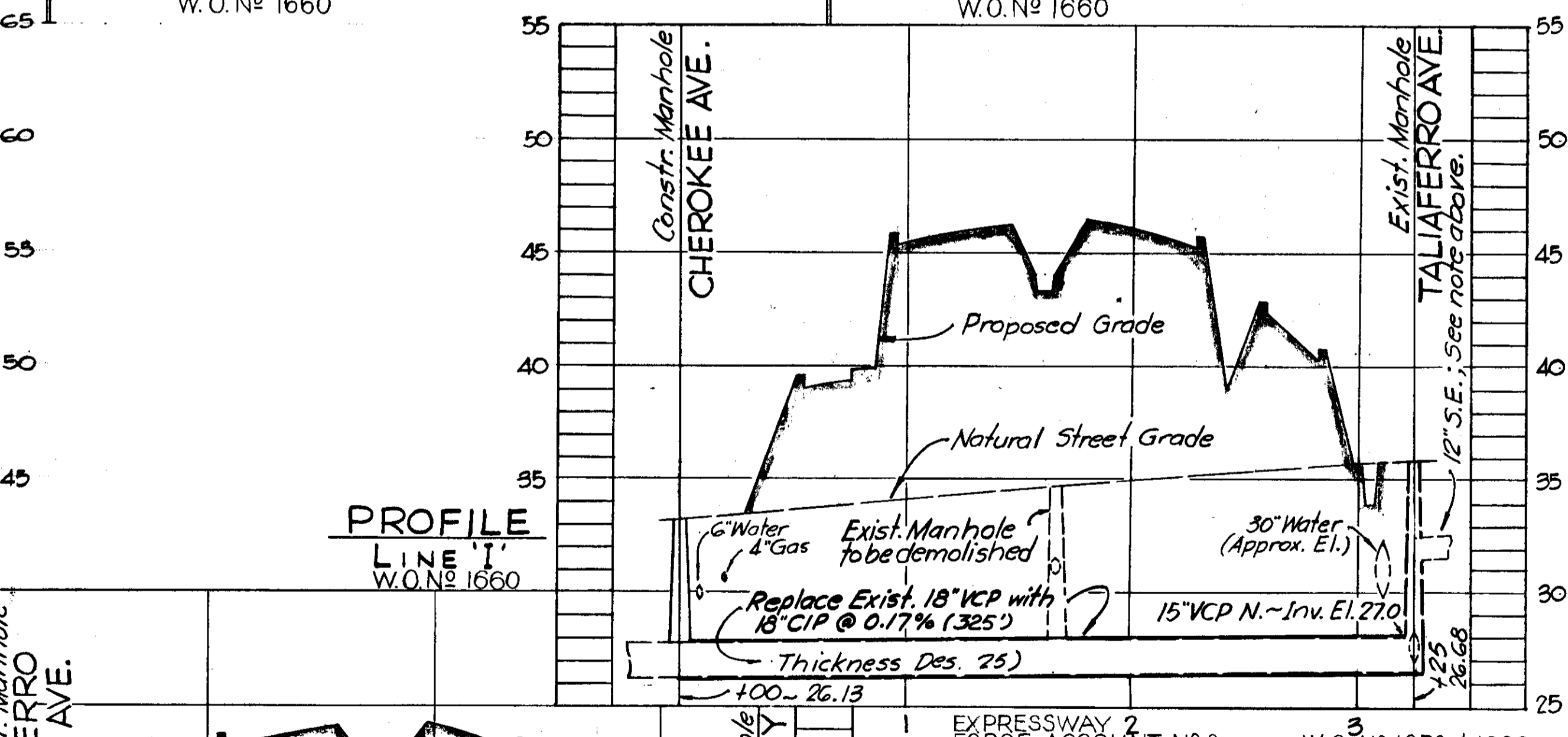
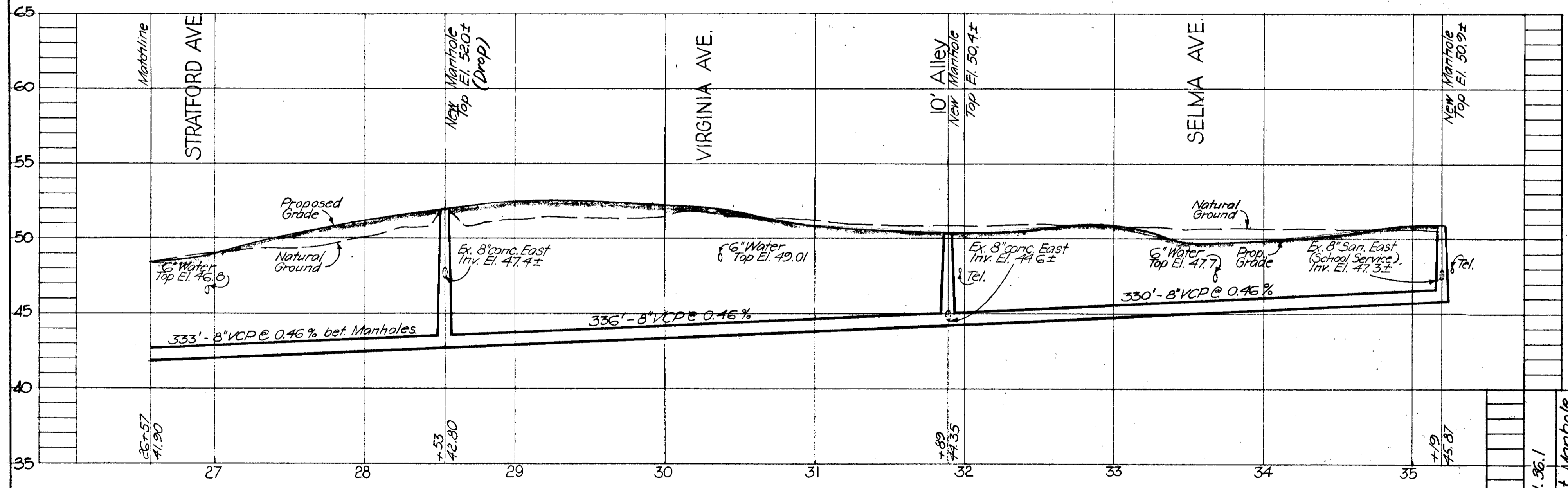
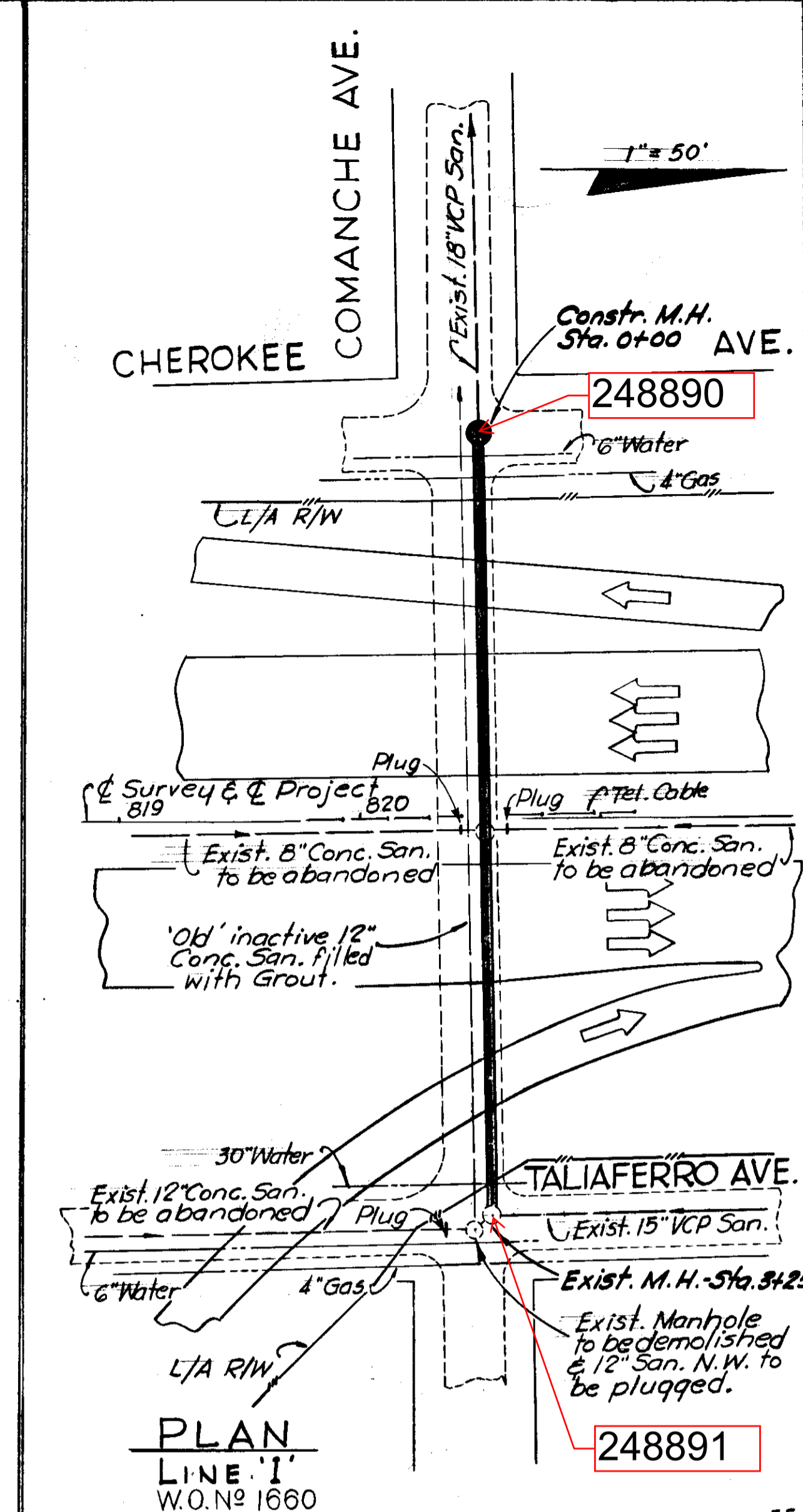
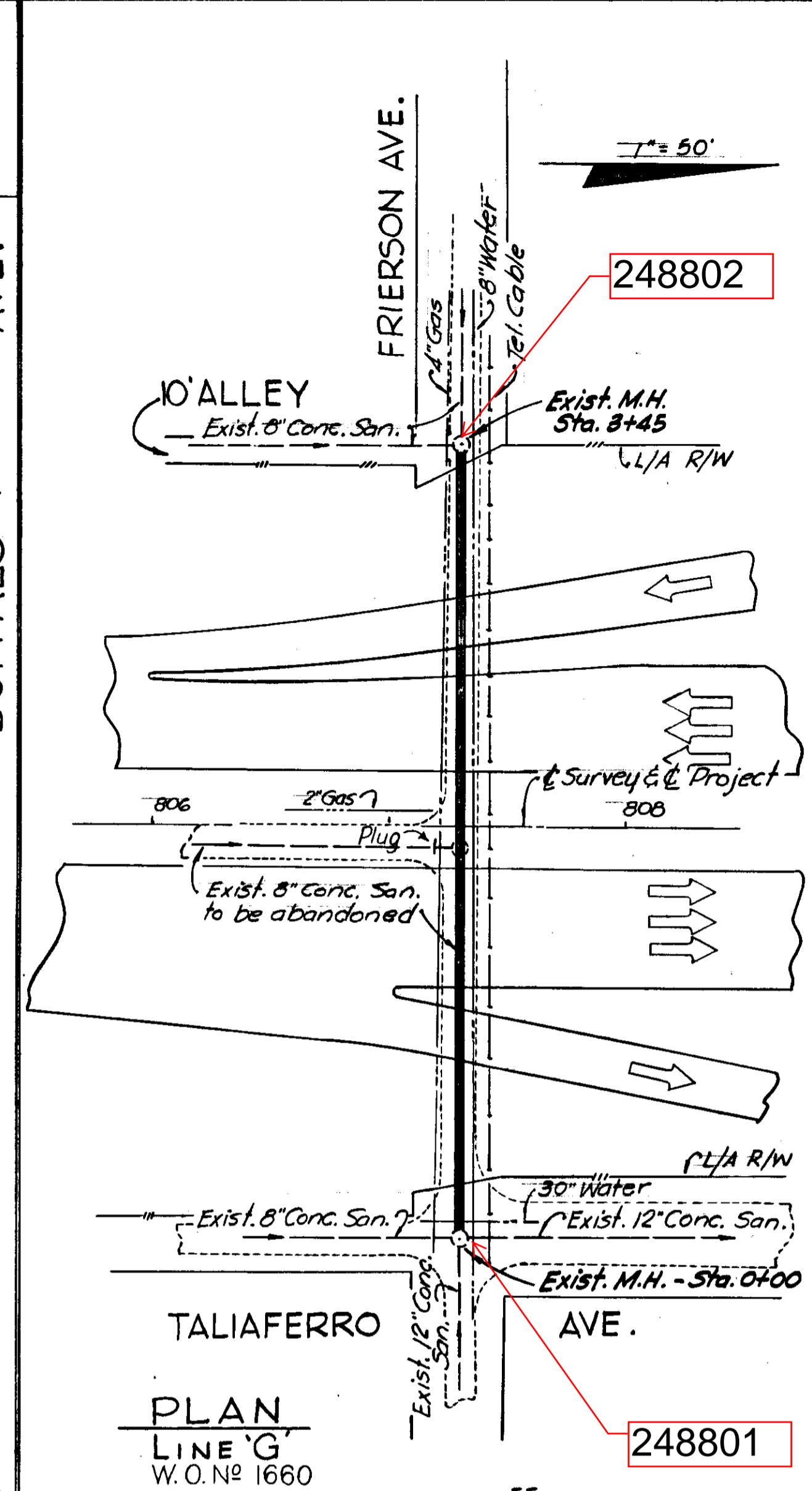
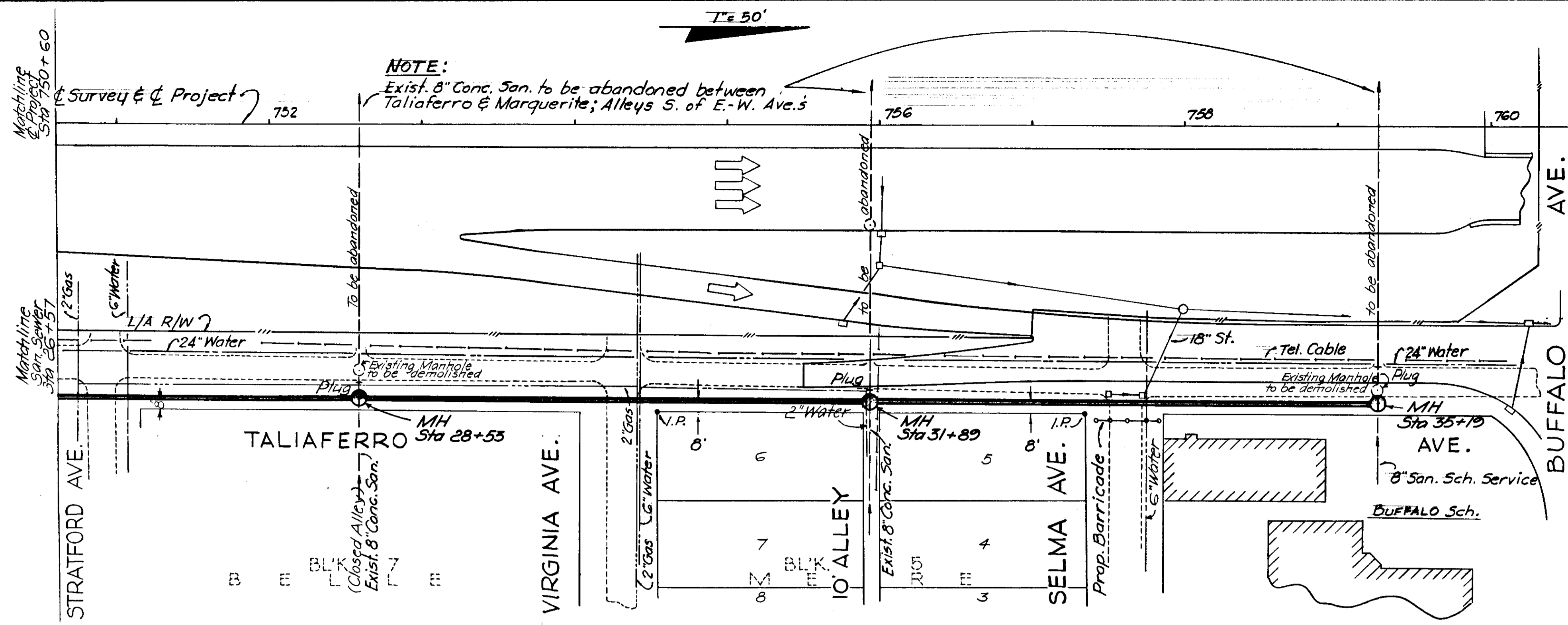
LINES 'A' & 'B'

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

SCALE:
50 0 50 100
1" = 50'

SHEET
2
OF 7

022-035



EXPRESSWAY 2
 FORCE ACCOUNT No 8 W.O. No 1658 & 1660

CITY OF TAMPA, FLORIDA
BUREAU OF SANITARY SEWERS

MODIFICATIONS DUE TO EXPRESSWAY SYSTEM

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

LINES 'A', 'G' & 'I'

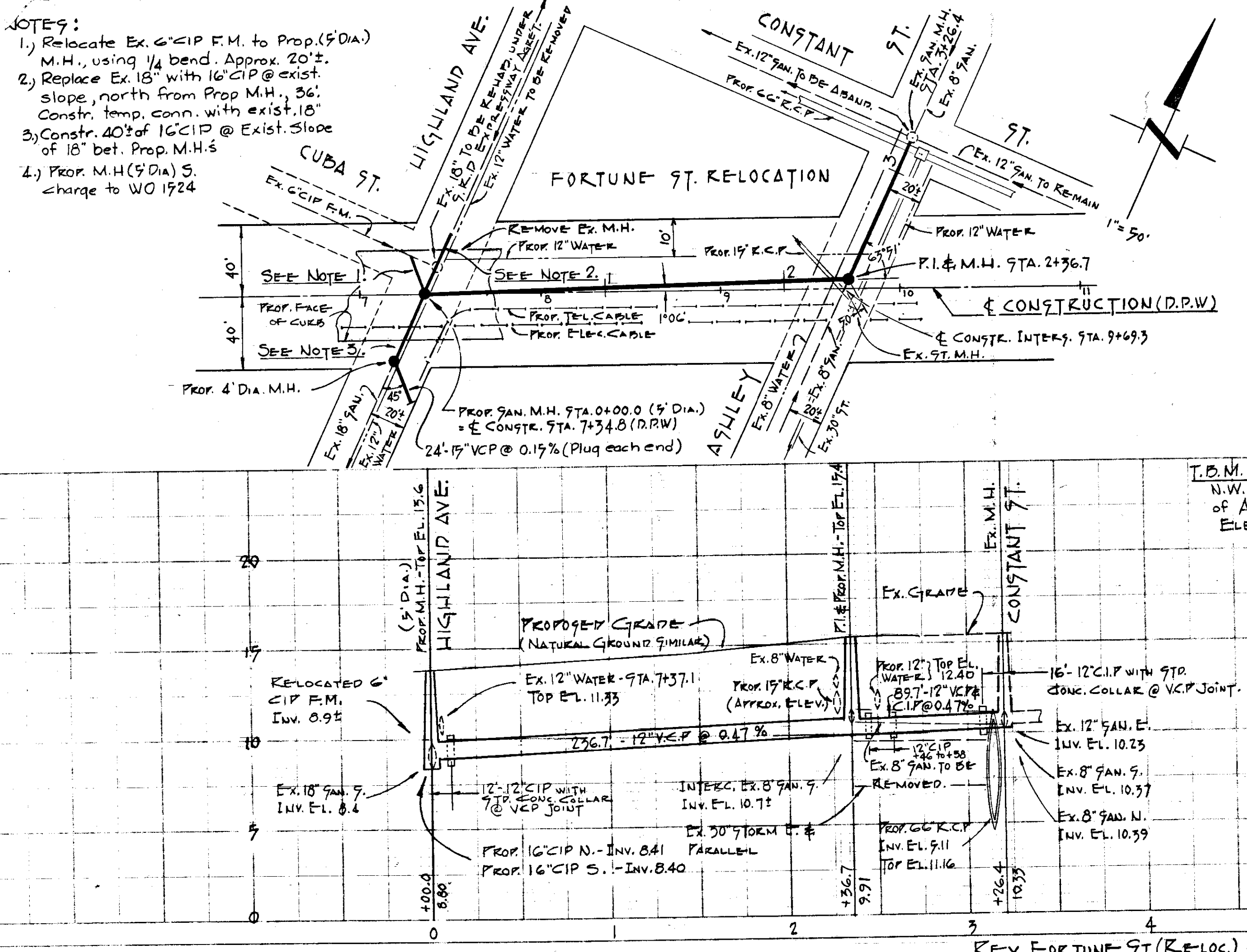
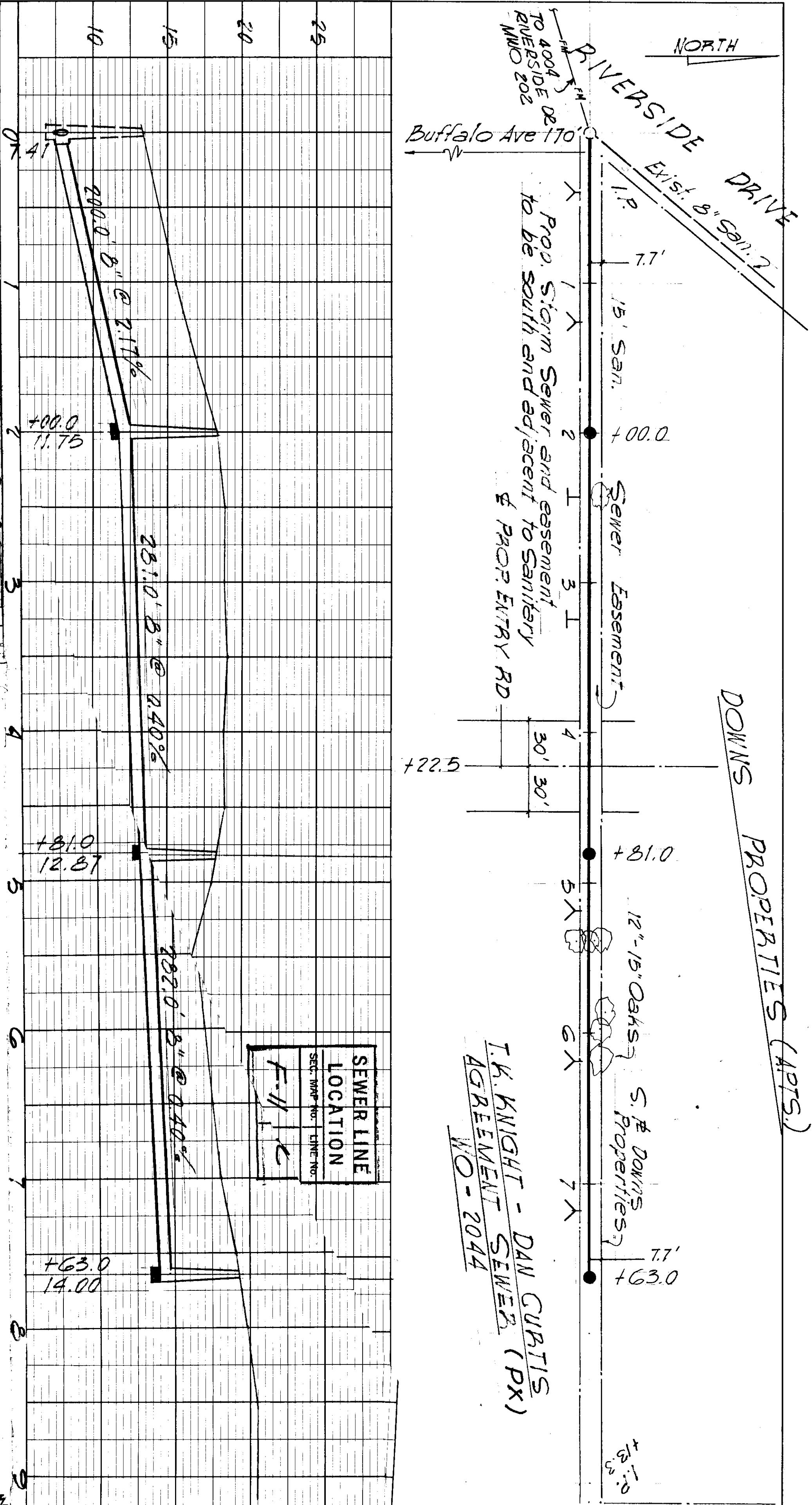
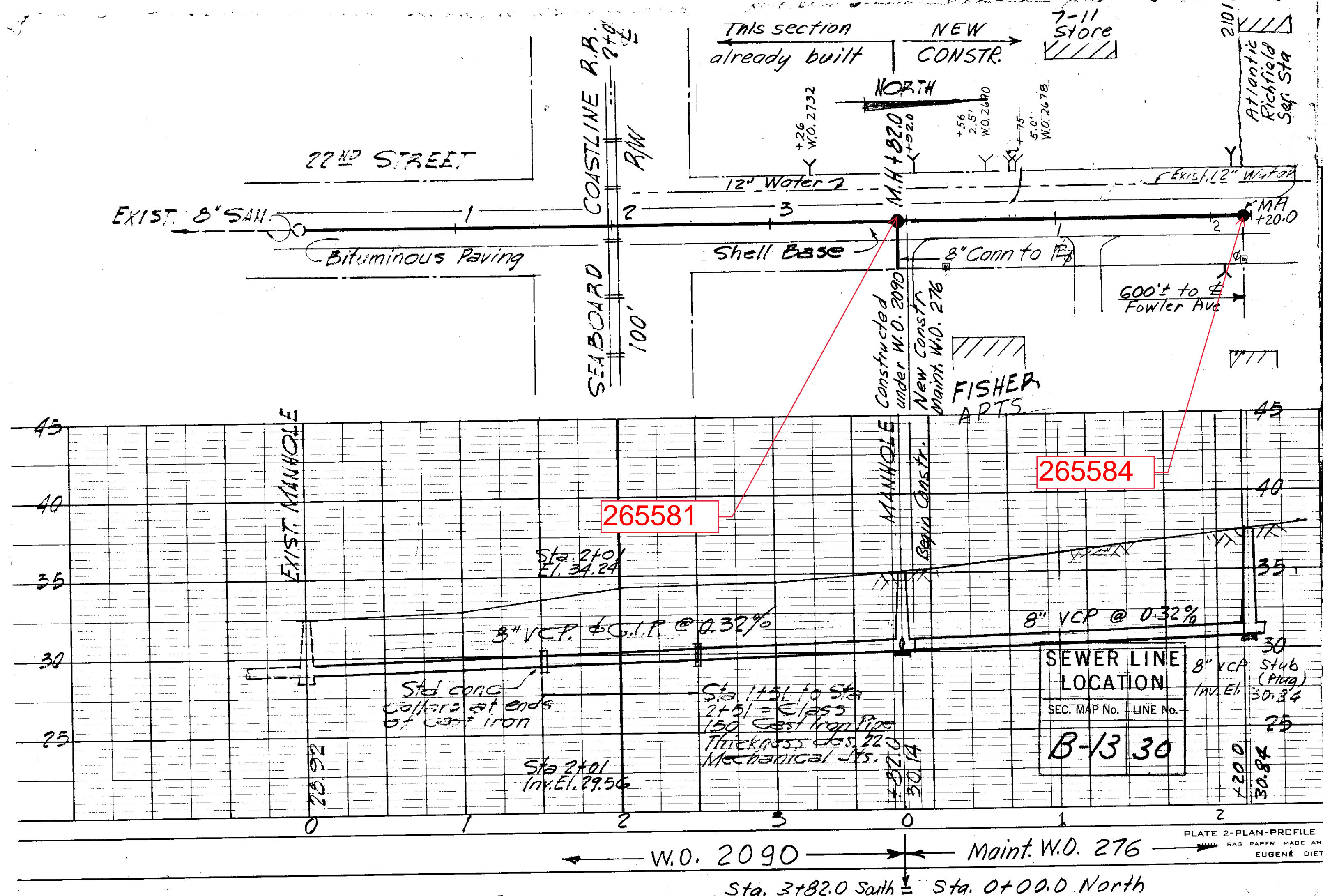
DES. C.M.T.
 DR. C.M.T.
 CKD. A.S.C.
 DATE
 MARCH 1964

SCALE:
 50 0 50 100

SHEET
4

022-037

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



- NOTE 9:
- Relocate Ex. 6" CIP F.M. to Prop. (5' Dia.) M.H., using 1/4 bend. Approx. 20'±.
 - Replace Ex. 18" with 16" CIP @ exist. slope, north from Prop. M.H., 36'. Constr. temp. conn. with exist. 18" of 18" det. Prop. M.H.s
 - Constr. 40'± of 16" CIP @ Exist. Slope of 18" det. Prop. M.H.s
 - Prop. M.H. (5' Dia.) S. charge to WO 1924

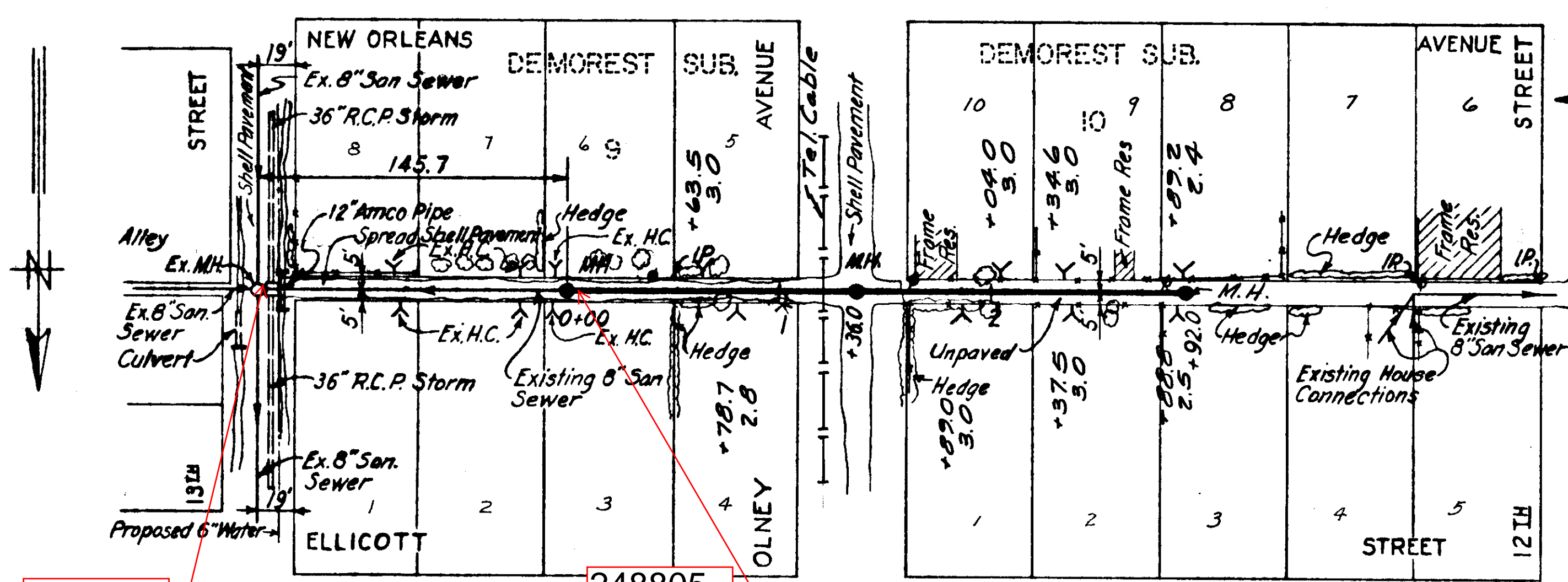
I.B.M. Used:
N.W. Corn. C.B. @ U.E. Corn.
of Ashley & FORTUNE
Elev. 17.076

REV. FORTUNE ST. (RELOC.) CONJUNT. WITH S.R. PROJ. NO. 10190-3427
REF.: BUREAU GEN. SERV. F.A. #6, SHEETS 4 & 5 (DATE 11/62)

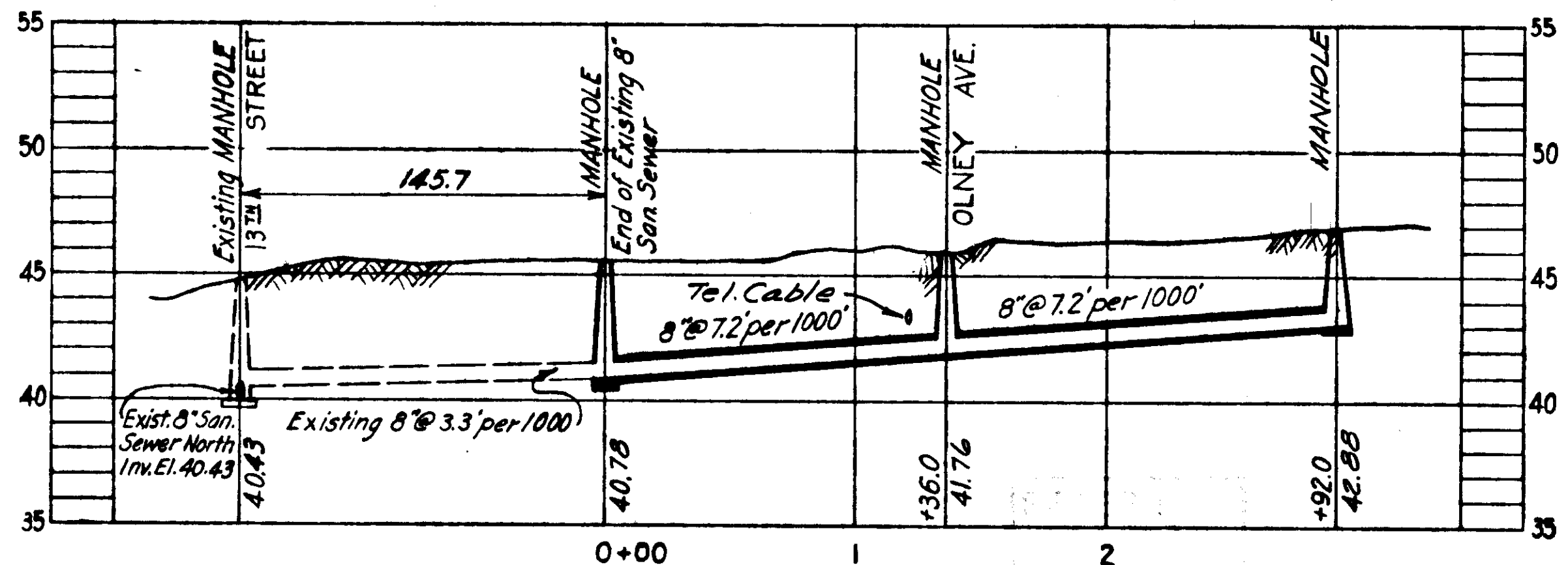
F.E.D. 1963 C.T.
Rev. 2/25/63
Rev. 3/14/63-3/29/64

T.K. KNIGHT - DAN CURTIS
AGREEMENT SEWER (PX)
WO - 2044

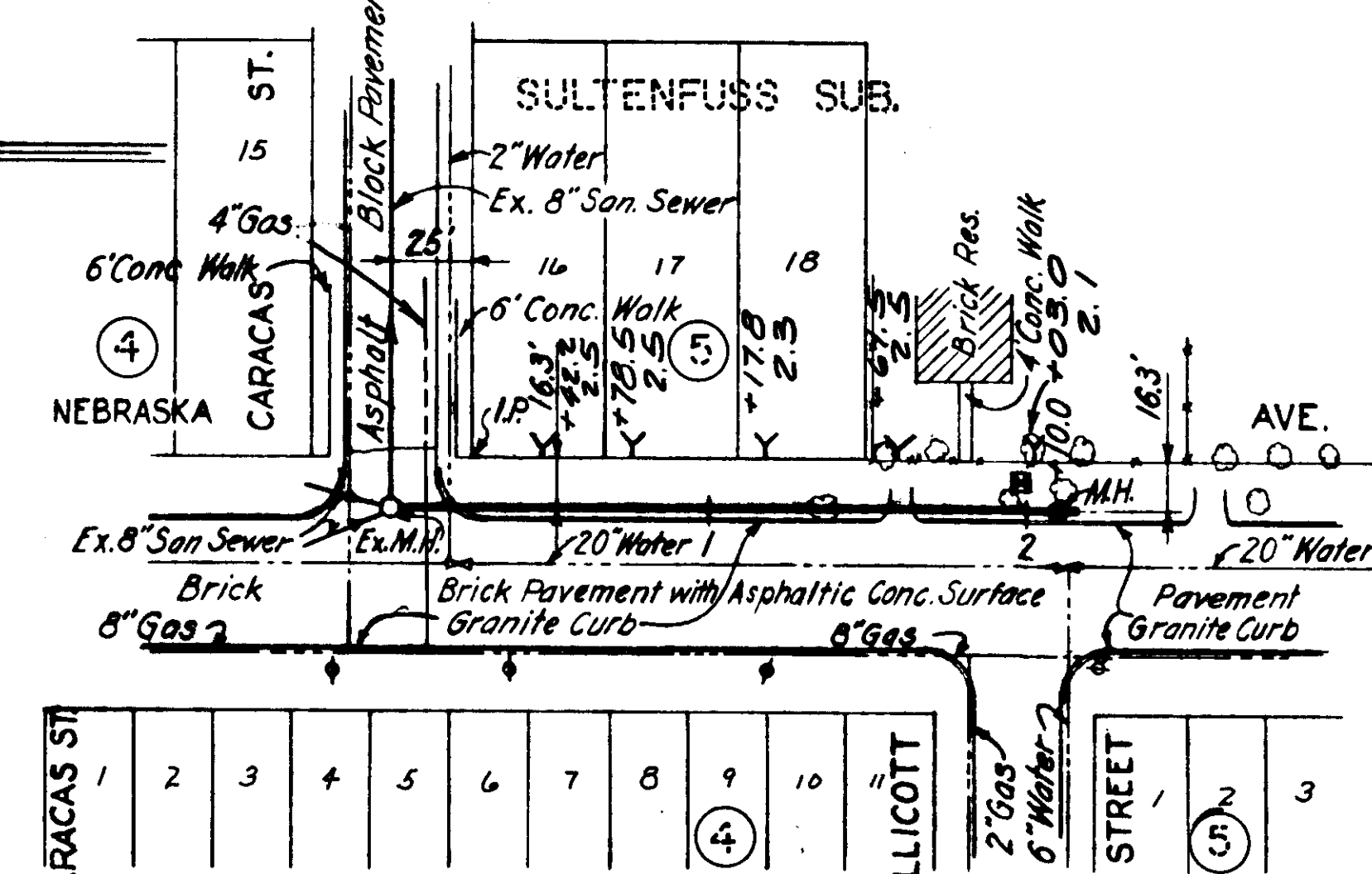
023-029



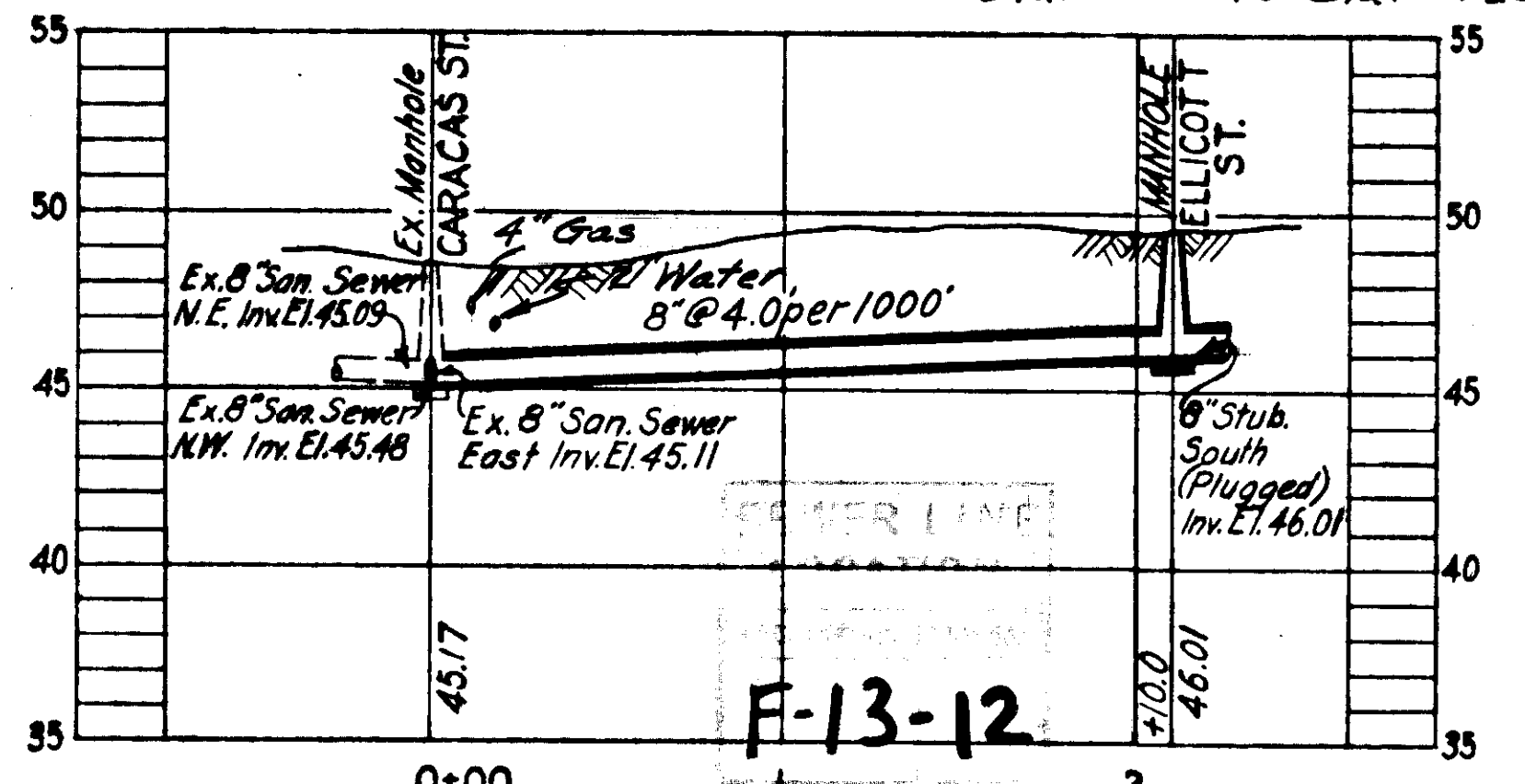
248804 PLAN Shell Pavement Sta. 0+00 to Sta. 1+60.0



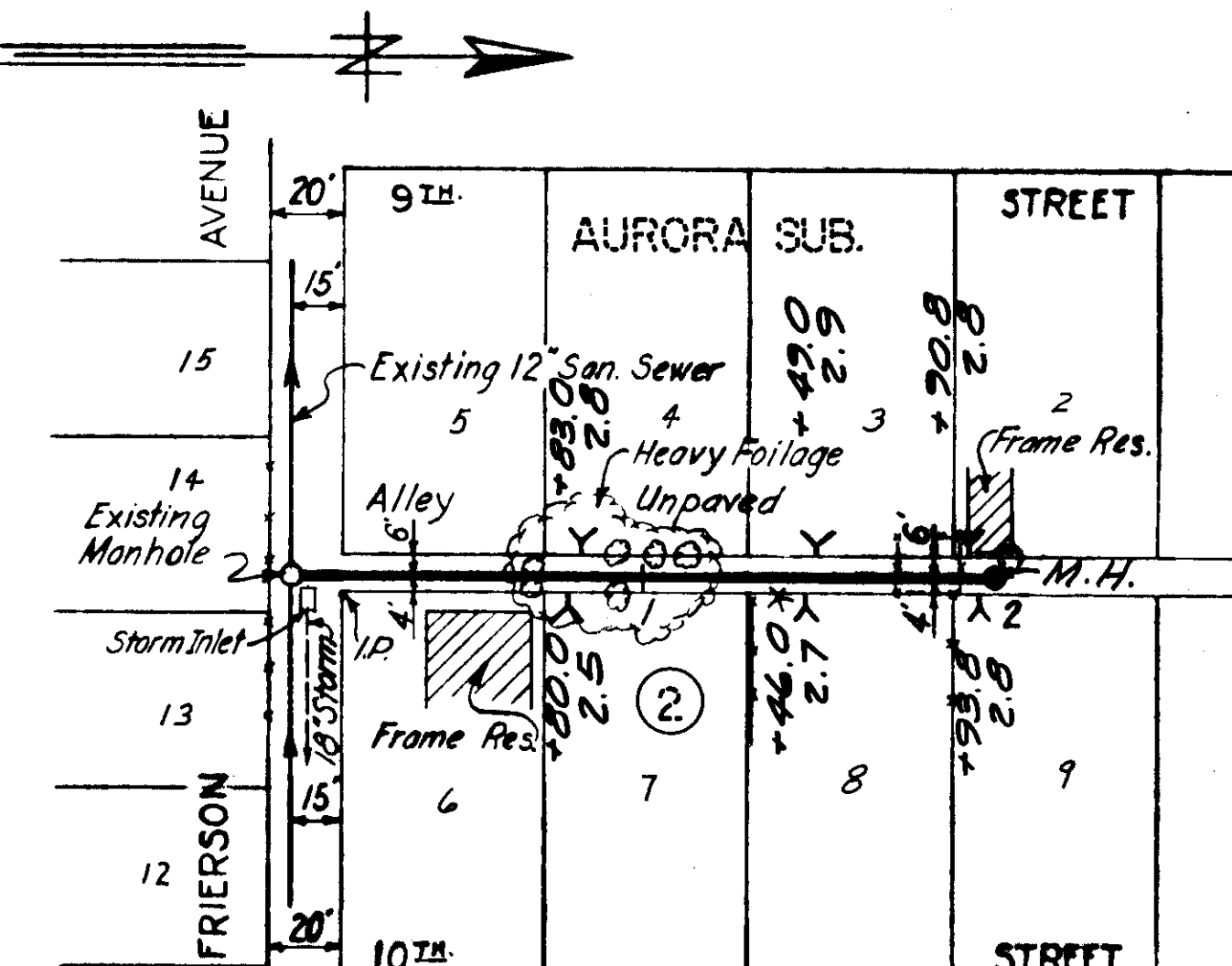
PROFILE Cx-4



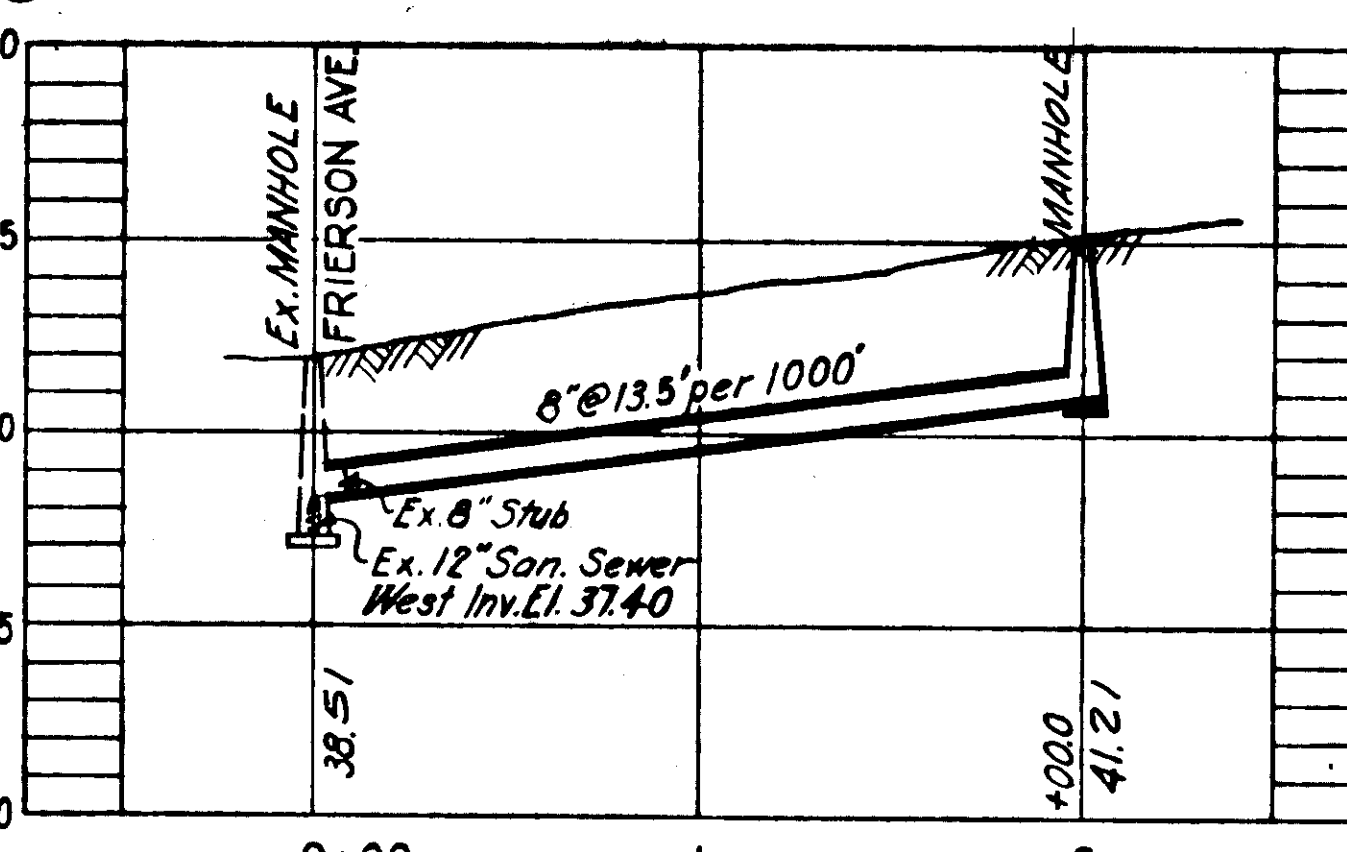
PLAN Asphalt Block Pavement Sta. 0+00 to Sta. 0+20.0



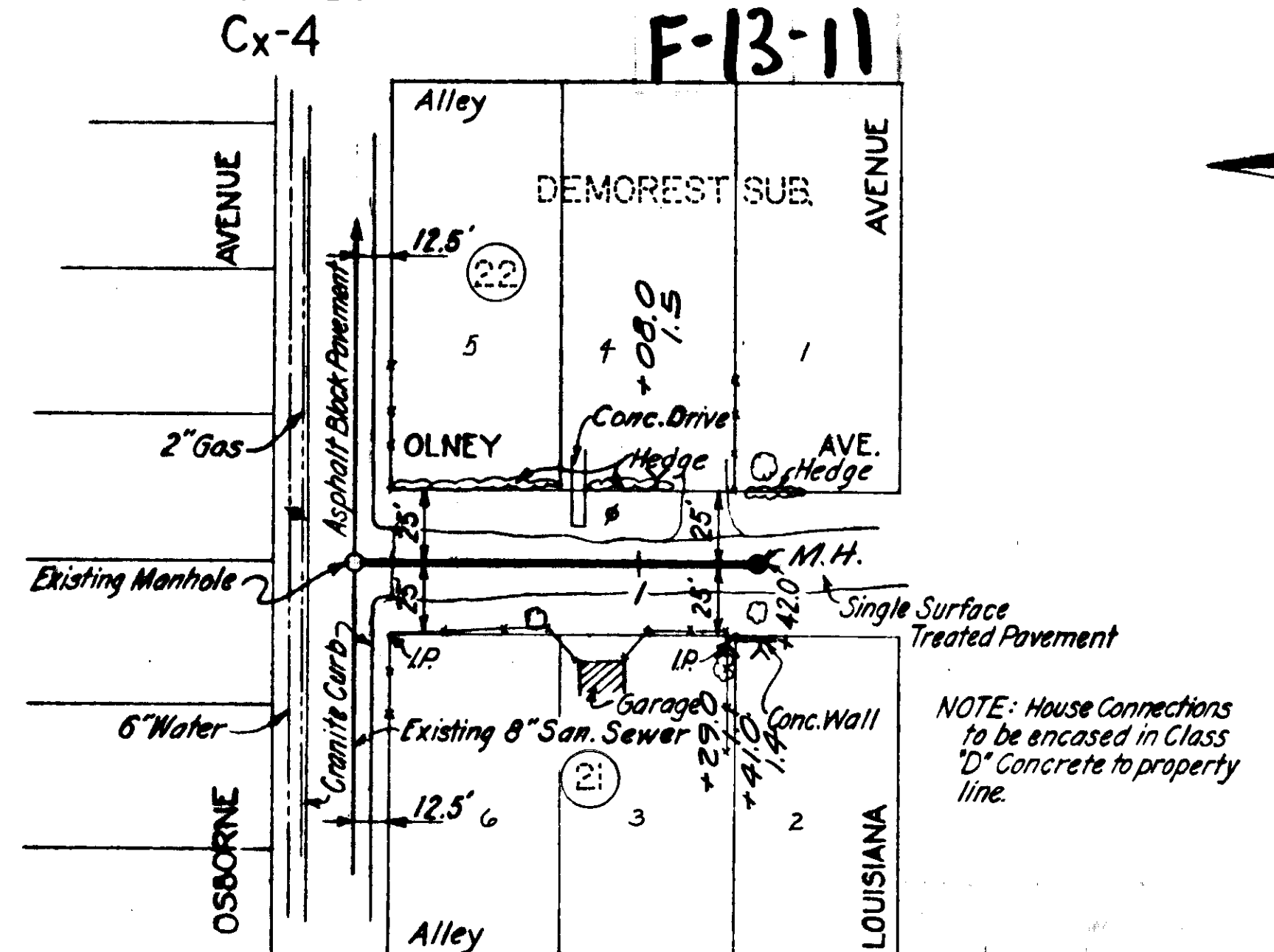
PROFILE Cx-3



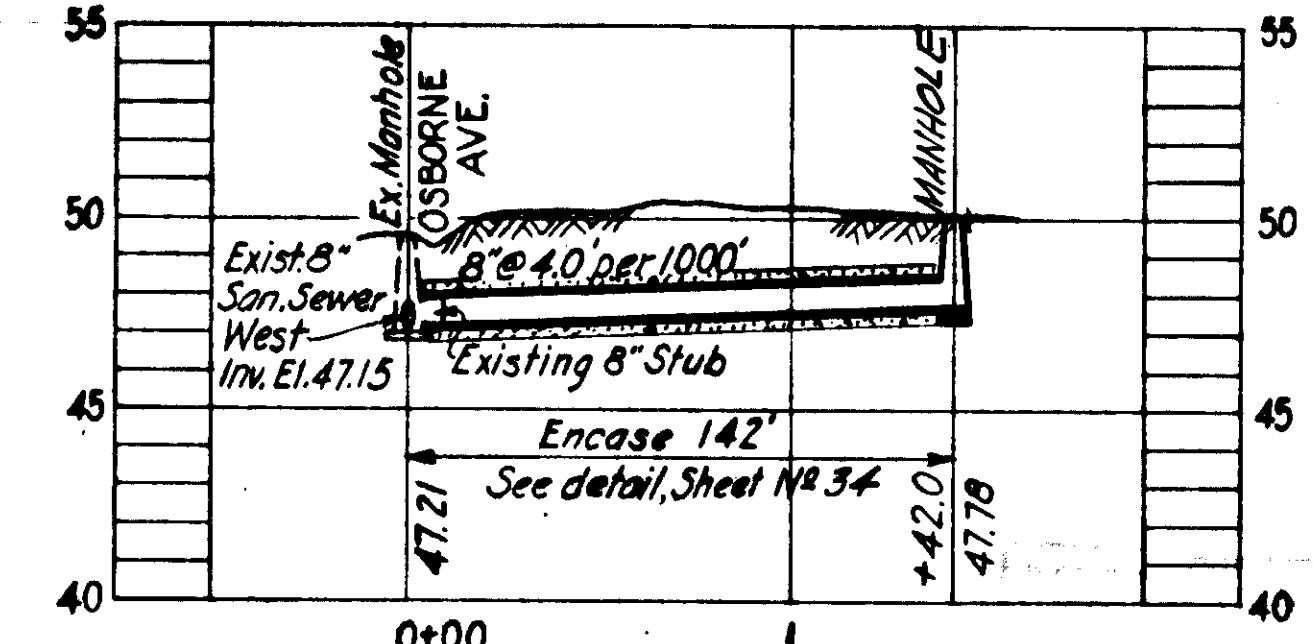
PLAN



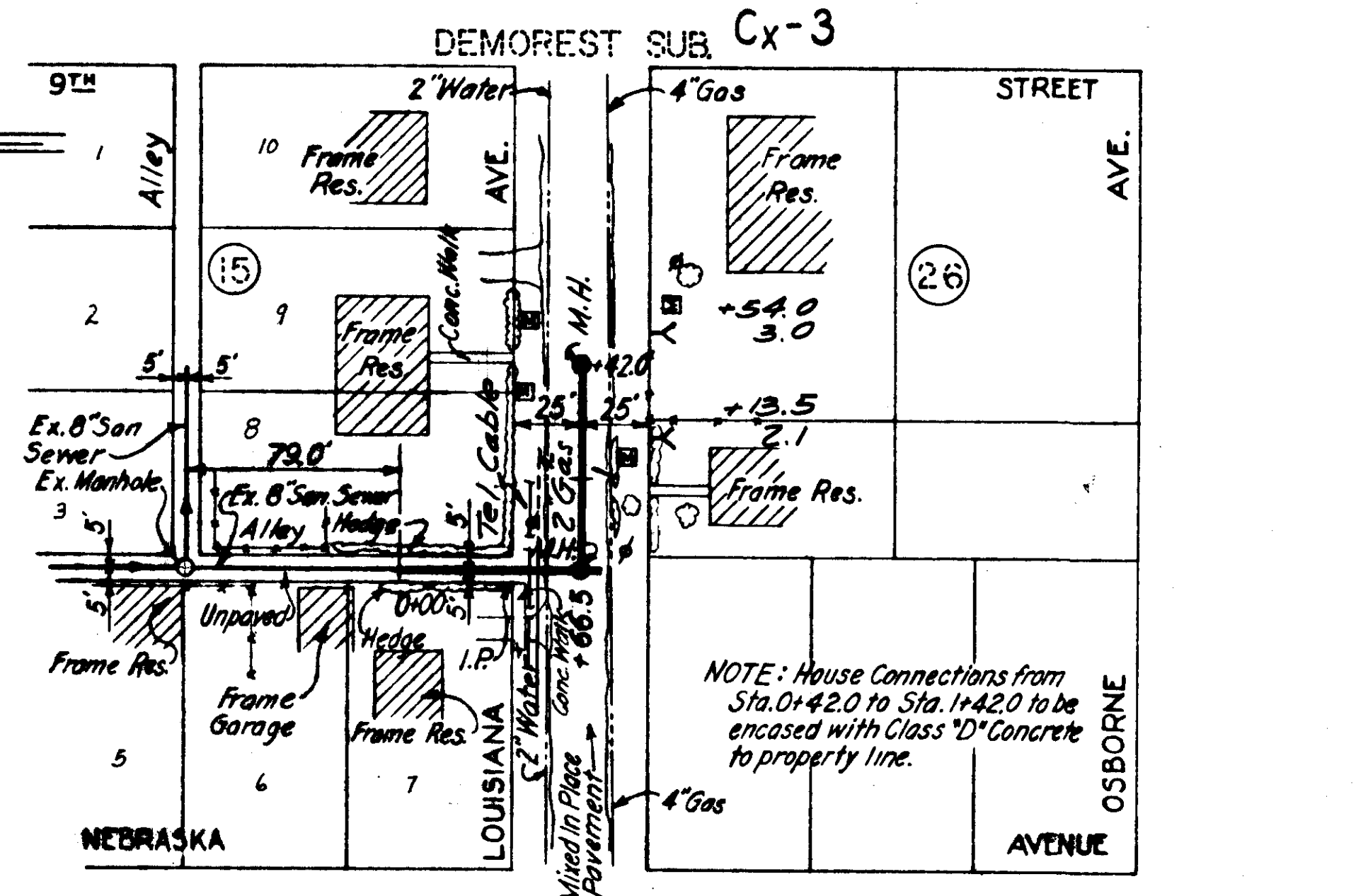
PROFILE Cx-2



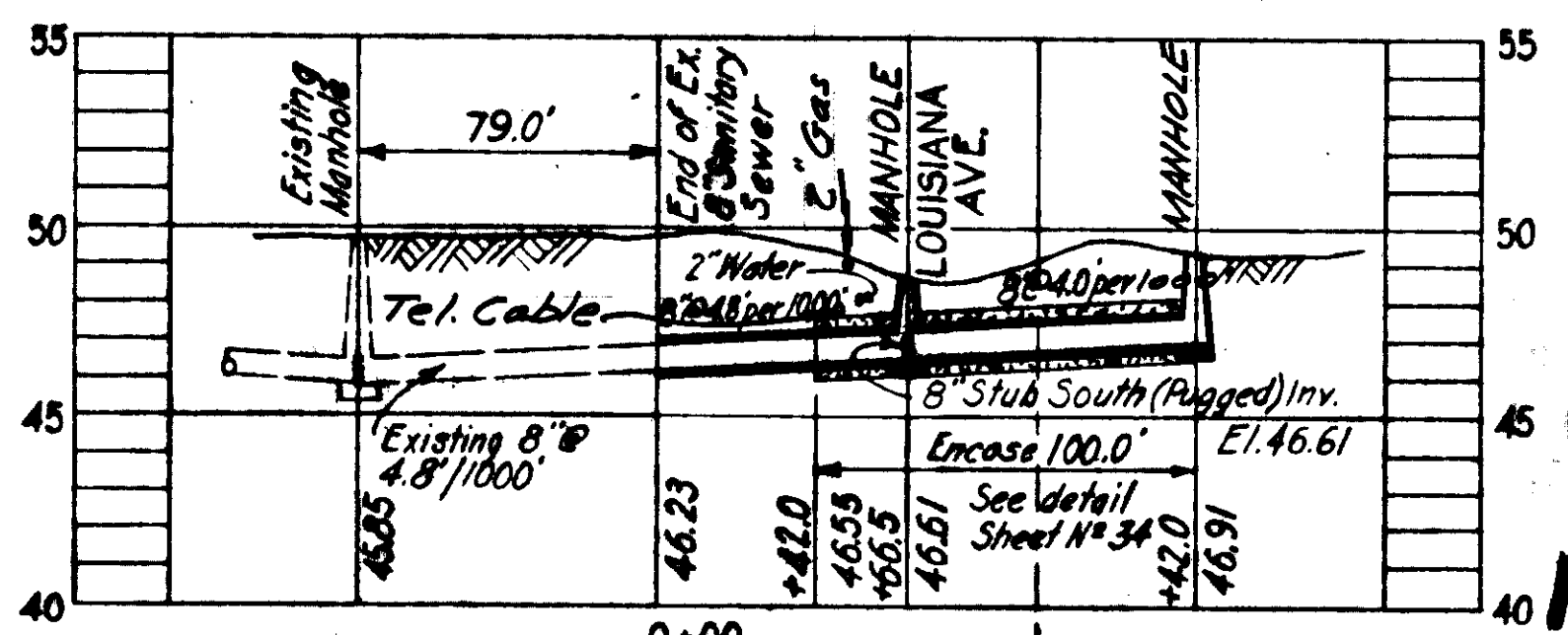
Asphalt Block Pavement Sta. 0+00 to Sta. 0+130 Single Surface Treatment Sta. 0+130 to Sta. 1+42.0



PROFILE Hx-31



Mixed in Place Pavement Sta. 0+45 to Sta. 1+42.0



PROFILE Cx-5

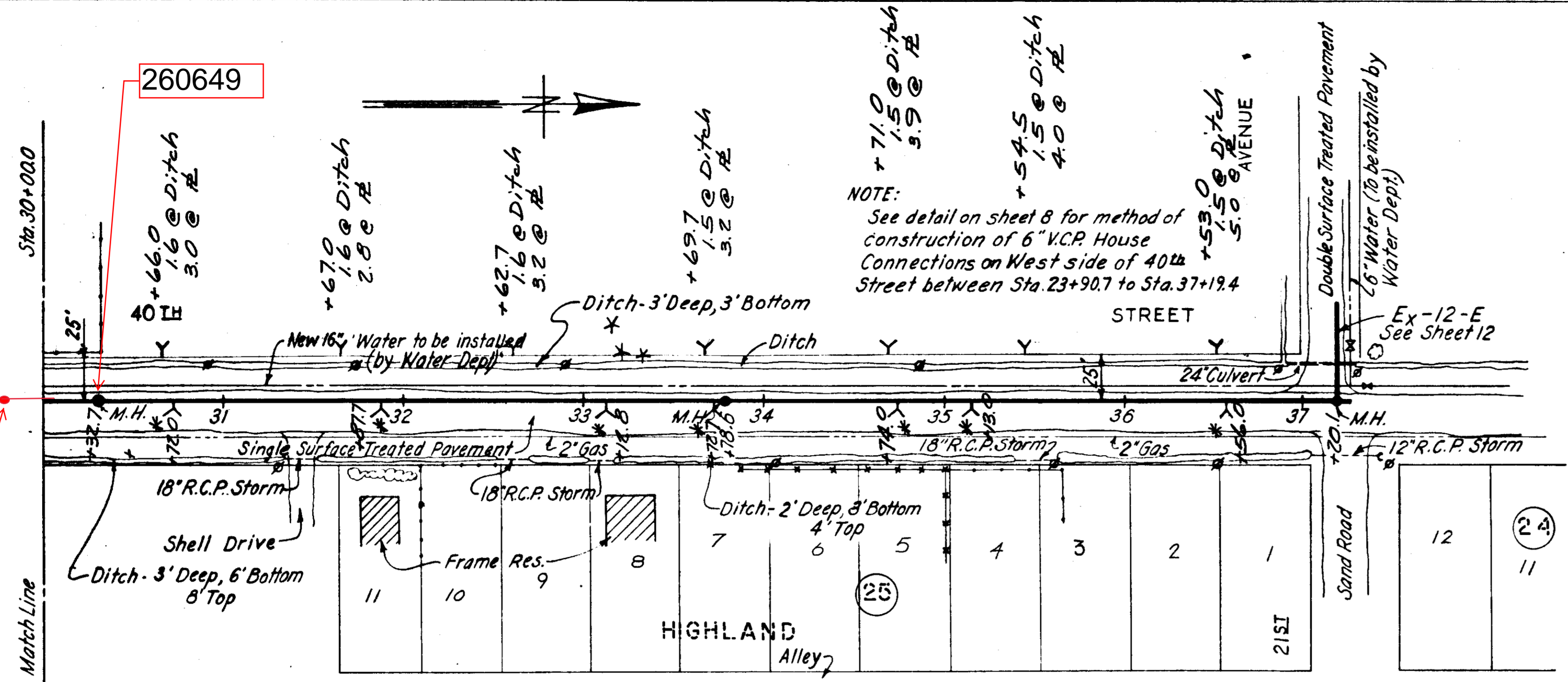
SEWER LINE LOCATION F-13-13

F-13-14

AS-BUILT PLAN Revised to show actual conditions according to construction records as of 3-16-53 (J.J.S. 3-11-53)

260649

3066018

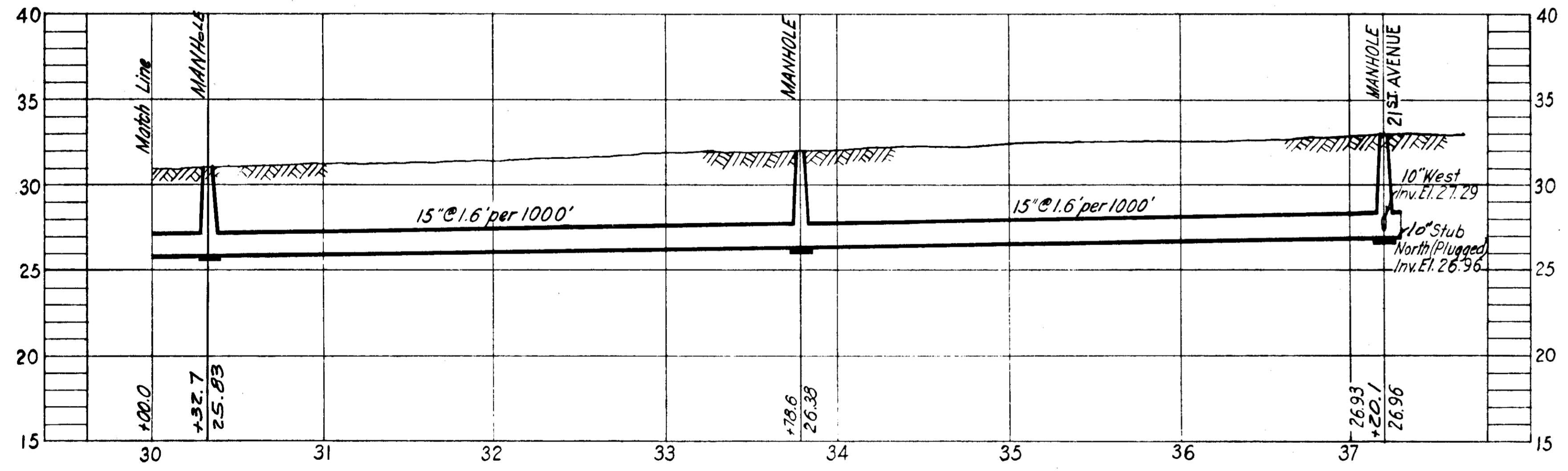


NOTE:
See detail on sheet 8 for method of construction of 6" V.C.P. House Connections on West side of 40th Street between Sta. 23+90.7 to Sta. 37+19.4

PLAN

* Denotes house connections plugged at sewer.

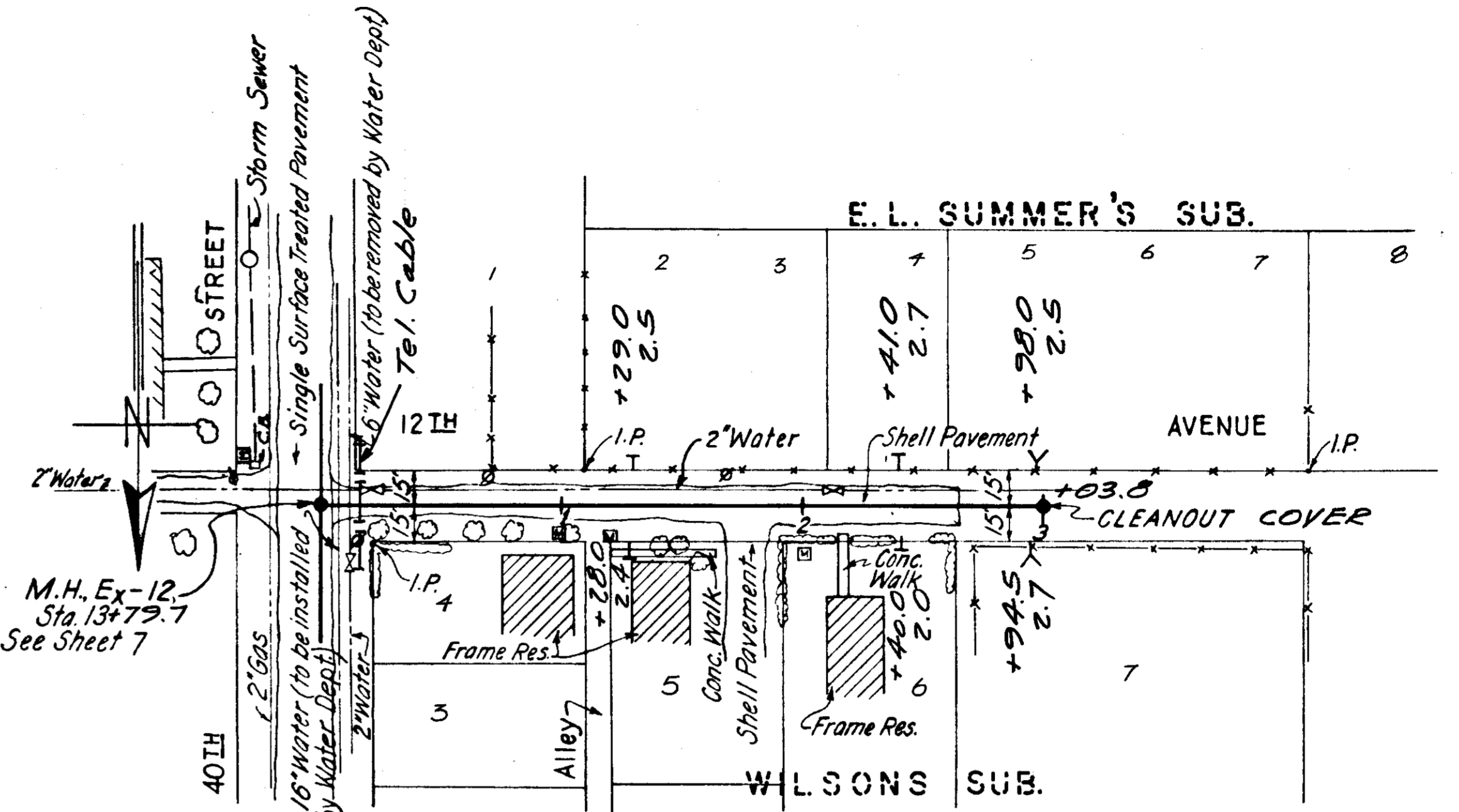
Single Surface Treatment & Asphaltic Concrete Pavement Sta. 30+00.0 to Sta. 37+20.1



PROFILE

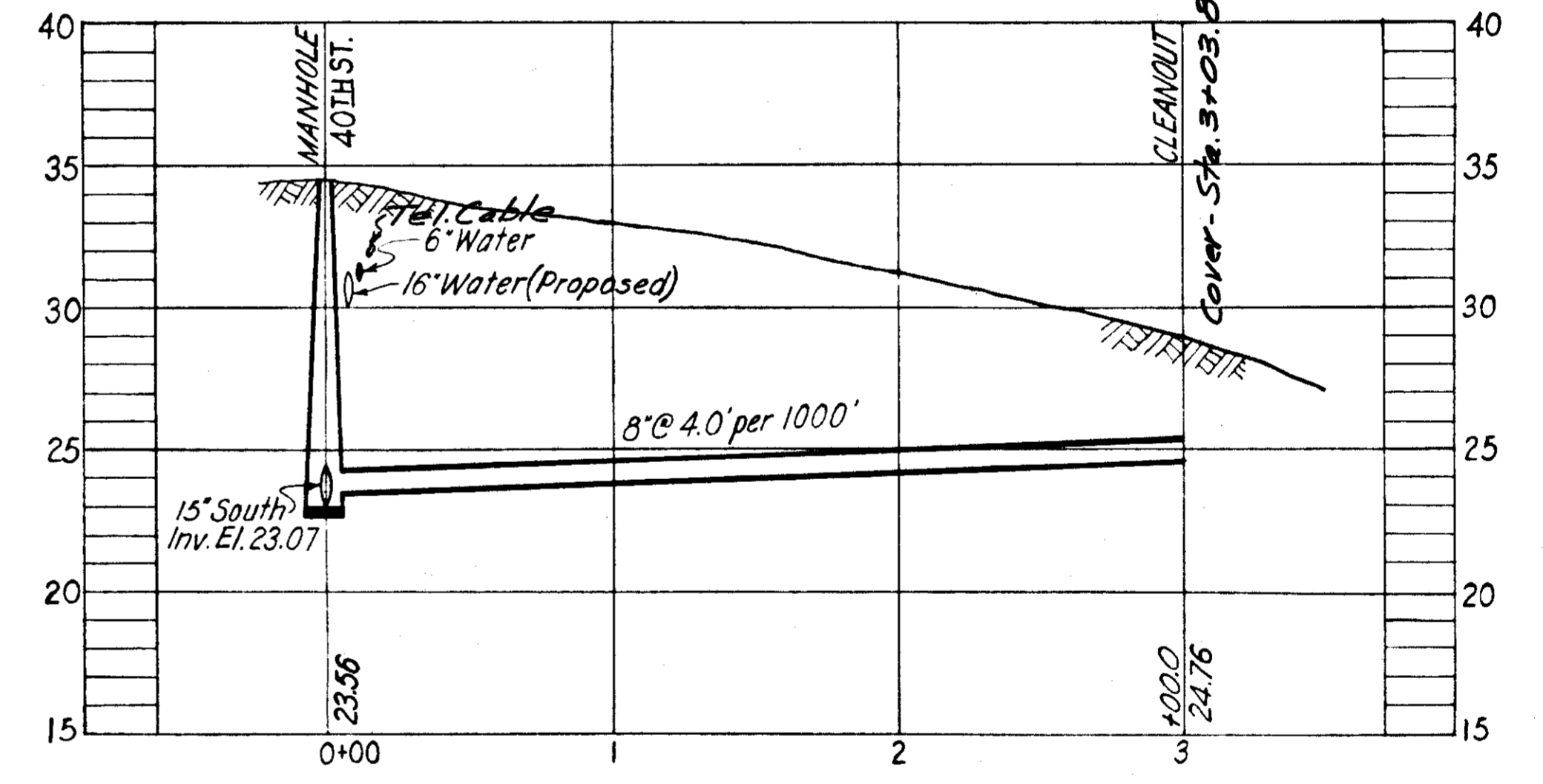
Ex-12

SEWER LINE LOCATION
SEC. MAP NO. LINE NO.
G-15-6



PLAN

Shell Pavement Sta. 0+12.0 to Sta. 3+00.0



PROFILE

Ex-12-A

SEWER LINE LOCATION
SEC. MAP NO. LINE NO.
H-15-15

DEPT. OF PUBLIC WORKS
SEWER CONSTRUCTION OFFICE

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of 1-6-53 (J.I.S. 1-7-53)

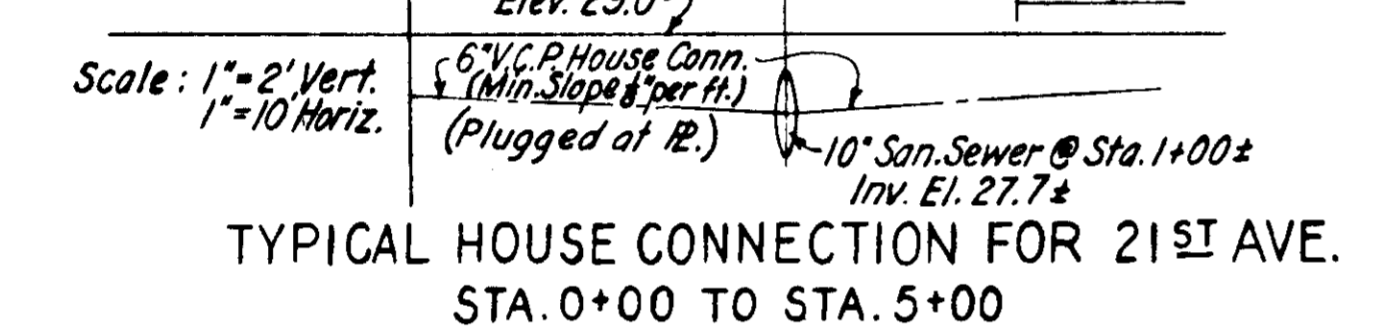
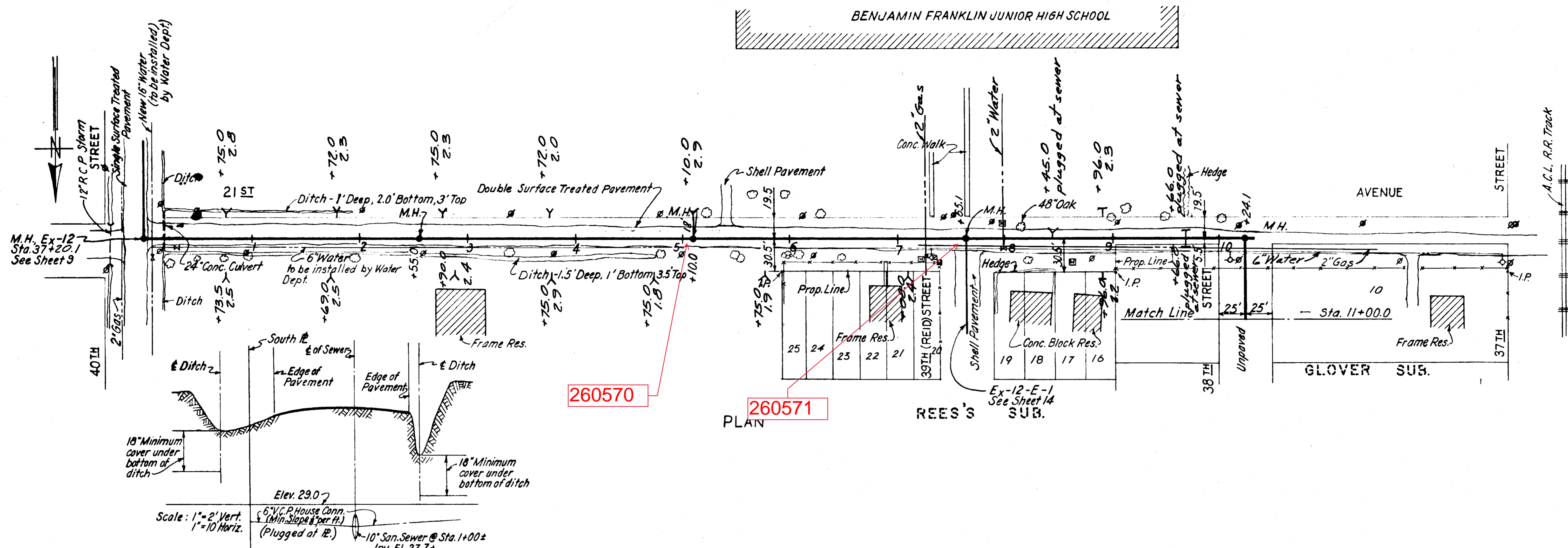
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
ADDITIONAL SEWER EXTENSIONS IN AREA 7
Ex-12, STA. 30+00.0 TO STA. 37+20.1 & Ex-12-A

DES: R.M.U.
DR: R.M.U.
CKD: W.W.S.
DATE: AUG, 1951

SCALE
0 50 100
1" = 50'

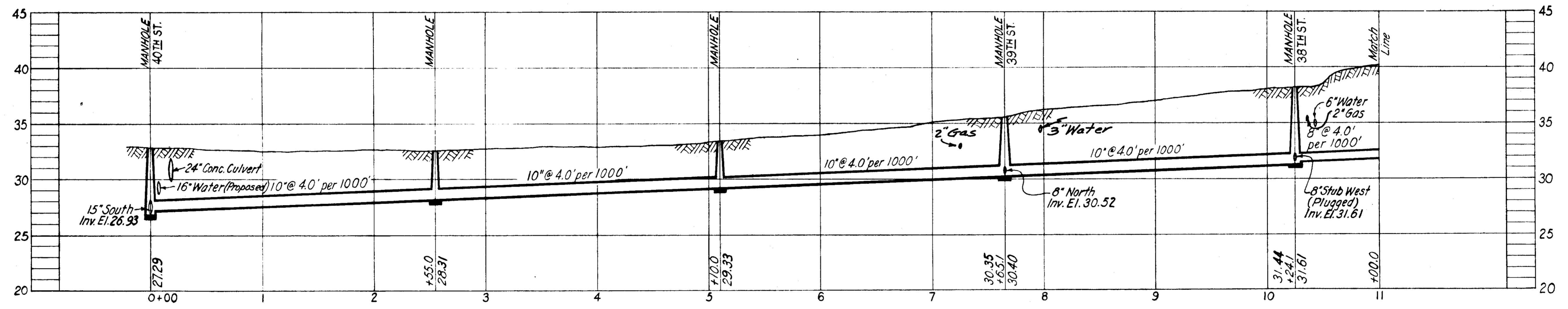
SHEET
9
OF 18

027-010



Double Surface Treatment Pavement
Sta. 0+12.0 to Sta. 10+38.0

Unpaved
Sta. 10+38.0 to Sta. 11+00.0



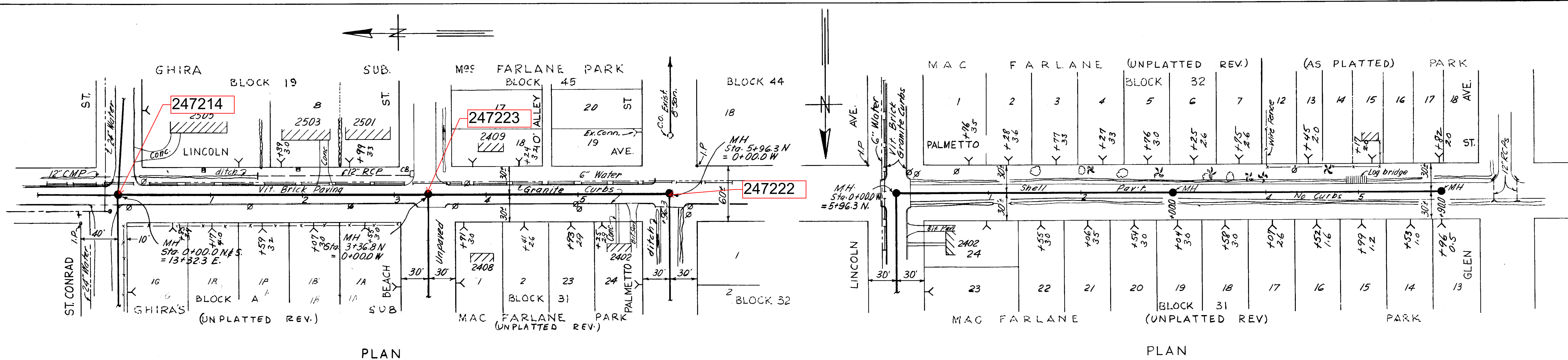
PROFILE
Ex-12-E
SEWER LINE
LOCATION
SEC. MAP No. LINE No.
6-15-7

DEPT. OF PUBLIC WORKS
SEWER CONSTRUCTION OFFICE

AS-BUILT PLAN
Revised to show actual conditions according
to construction records as of 1-6-53
(J.J.S. 1-8-53)

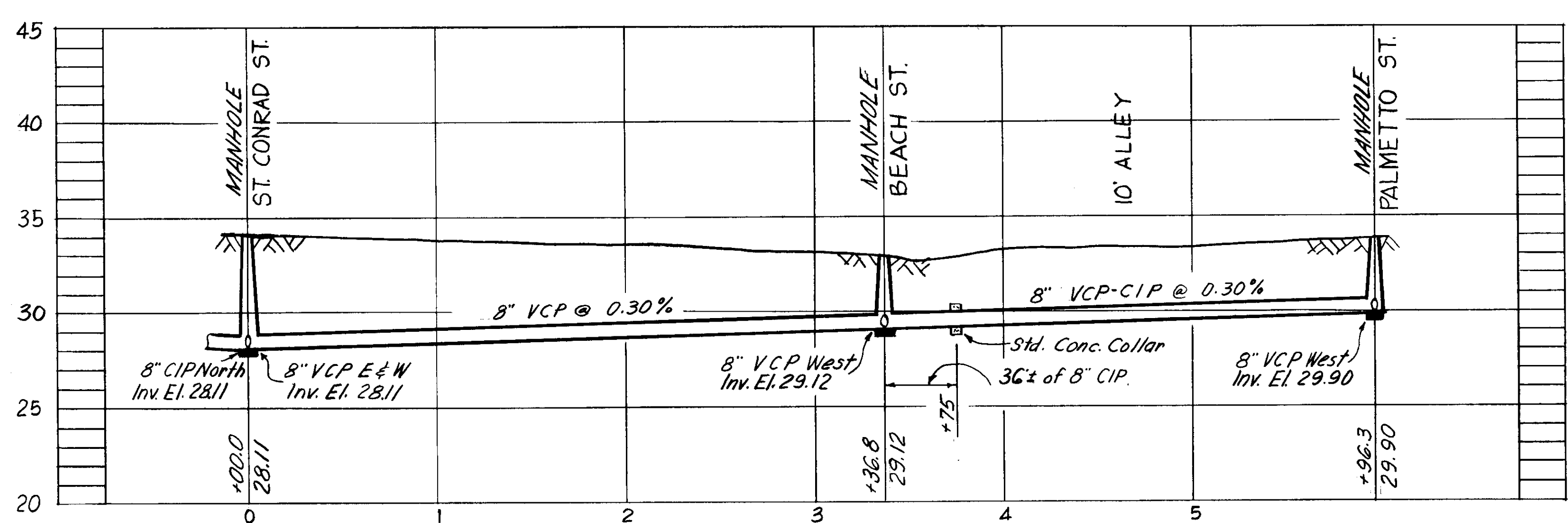
CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
ADDITIONAL SEWER EXTENSIONS IN AREA 7	
Ex-12-E STA. 0+00.0 TO STA. 11+00.0	
DES: R.M.U. DR: R.M.U. CKD: W.H.S. DATE AUG. 1951	SCALE 0 50 100 1"=50'
SHEET 12 OF 18	

027-013

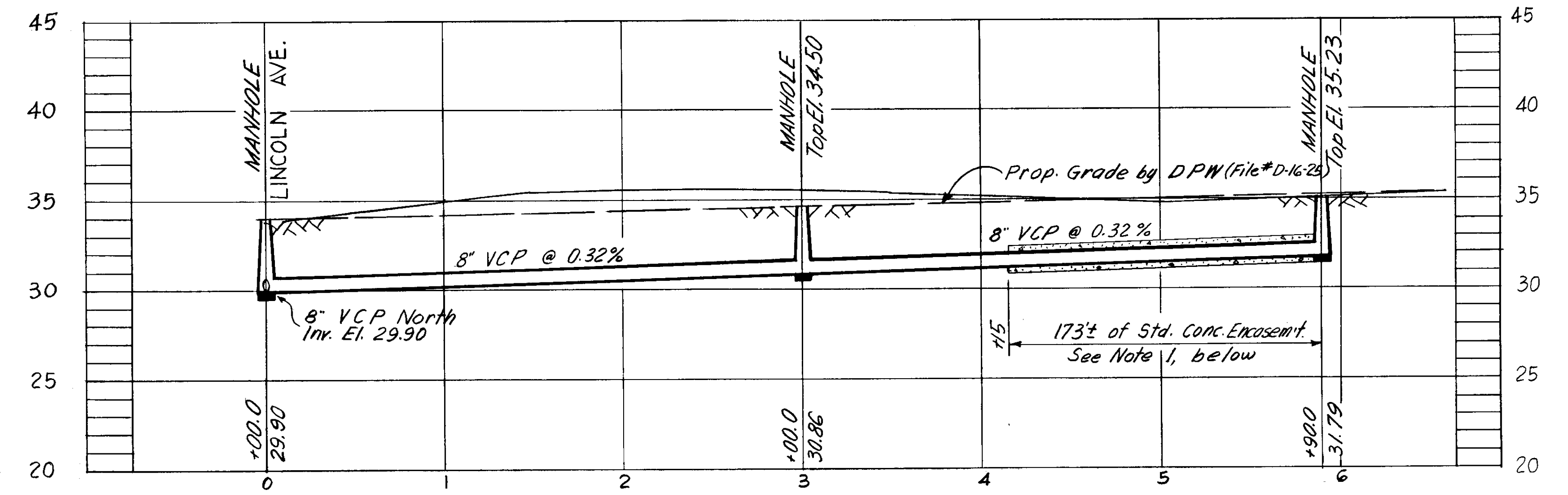


PLAN

PLAN



PROFILE
H-10-43



PROFILE
H-10-44

- NOTES:
- Line # H-10-44;
All 8" VCP Hse Conn. shall be laid @ 0.60% Slope From Main Sewer to R/W; Std. Conc. Encasem't of 8" VCP Hse Conn. from Sta. 3+75 to Sta. 6+25
 - Datum Used: B.M. 396 Elev. 35.070
cut on N.W. corner conc. Dr. @ S.E. corner Lincoln Ave. & St. Conrad St.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H-10	43
H-10	44

FOR DEPT. OF SANITARY SEWERS
DEPT. OF PUBLIC WORKS

REC'D *Arthur S. Cooper Jr.* Date 10-5-65
Executive Engineer

APPROVED *E. W. Smith* Date 10-21-65
Superintendent

APPROVED *NOT REQUIRED* Date _____
Supt. Dept. of Public Works

APPROVED *George J. Greiner* Date 10-21-65
FOR J. E. GREINER COMPANY

APPROVED *C. G. Drummond Jr.* Date 10-21-65
DR. FREDEMAN AND SINGLETON

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

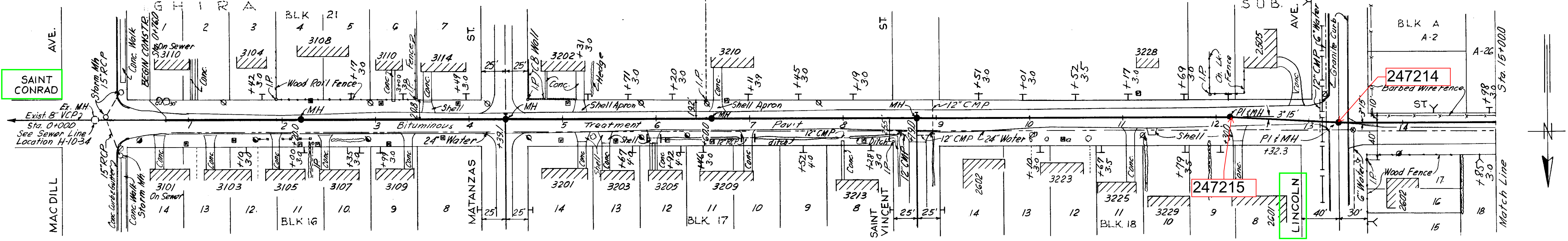
LINCOLN AVE.: St. Conrad St. to Palmetto St.
PALMETTO ST.: Lincoln Ave. to Glen Ave.

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

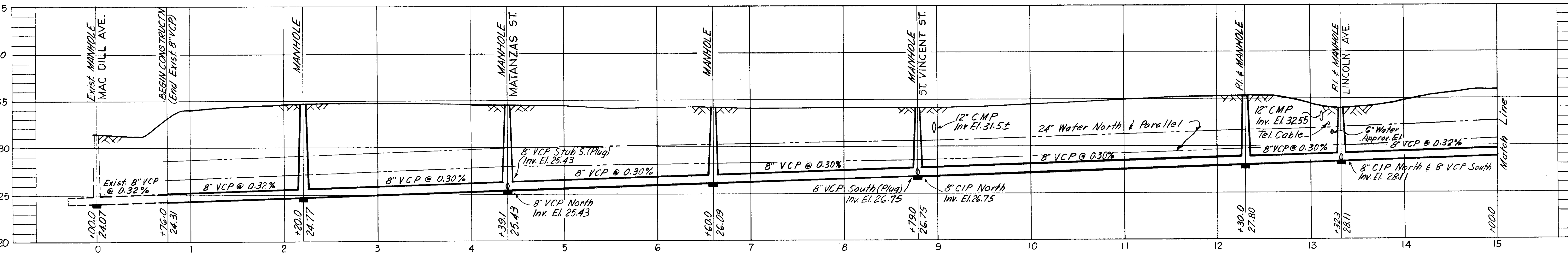
SCALE: 1" = 50'

SHEET 1 OF 3

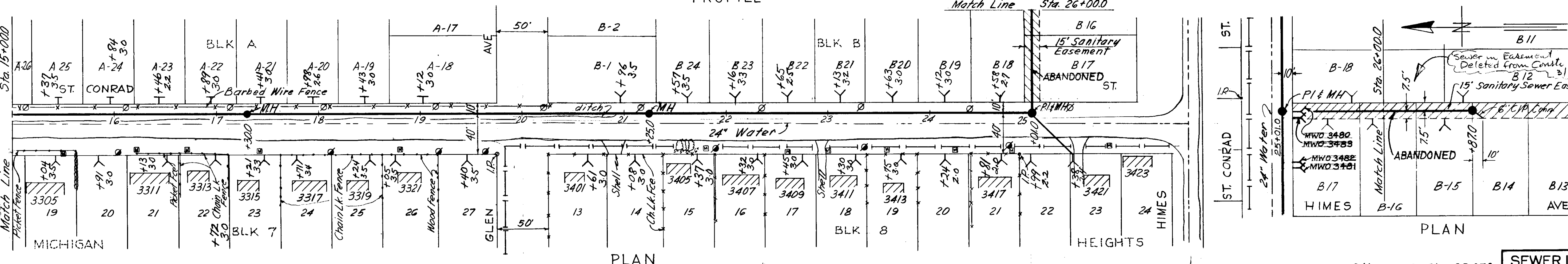
Drainage Subdistrict A-6



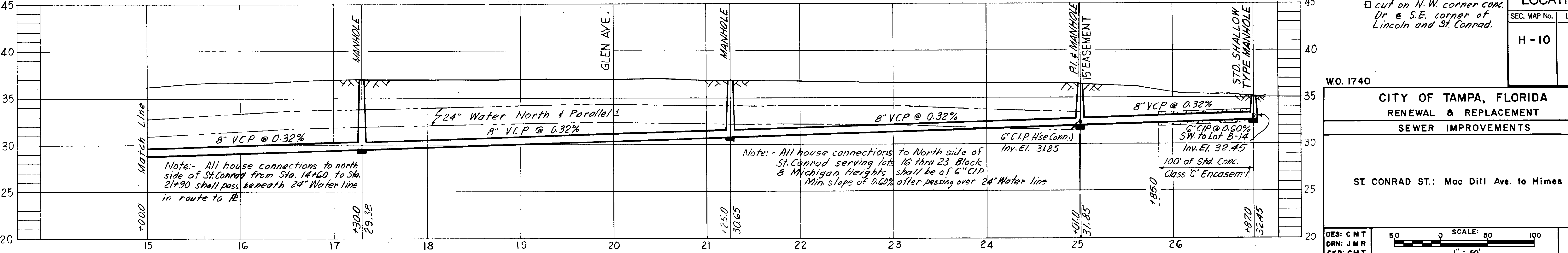
PLAN



PROFILE



PLAN



PROFILE

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

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

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

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

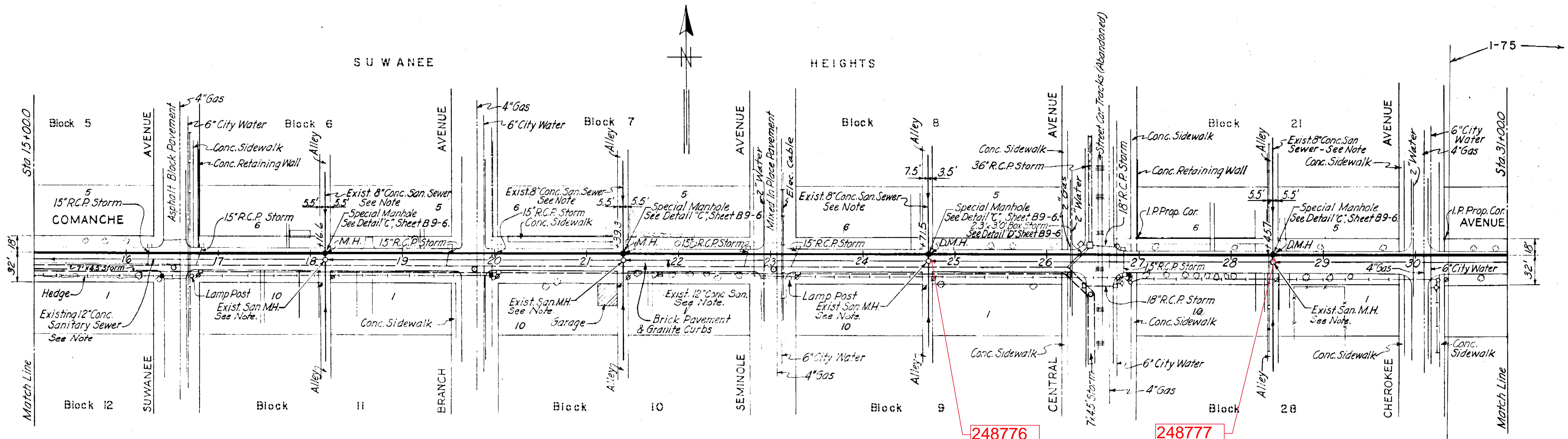
DES: CMT
 DRN: JMR
 CKD: CMT
 DATE: OCT. 1965

SCALE: 1" = 50'

SHEET **3**

Drainage Subdistri

033-034

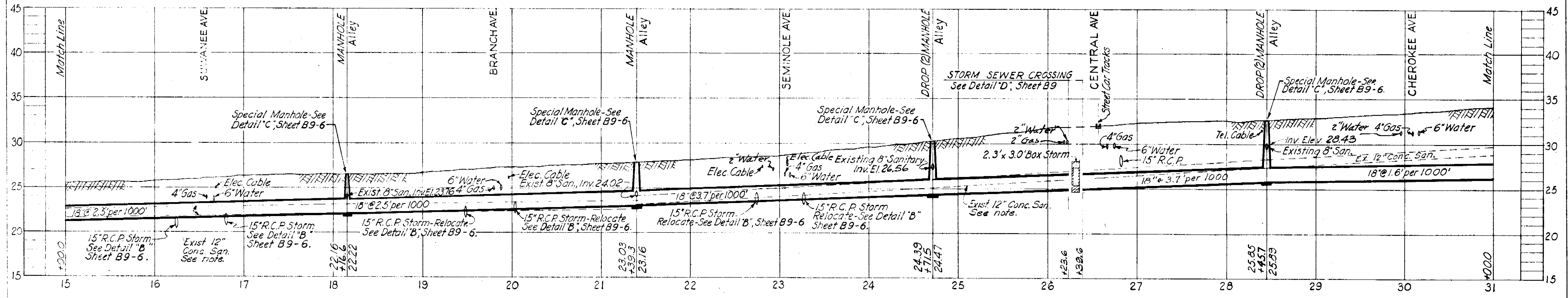


Vitrified Brick Pavement
Sta. 15+00.0 to Sta. 26+37.0

PLAN

Amiesite Pavement
Sta. 26+37.0 to Sta. 26+78.0

Vitrified Brick Pavement
Sta. 26+78.0 to Sta. 31+00.0



PROFILE

SEWER LINE LOCATION	
SEC. MAP No.	LINE
7-12	29

NOTE:
Existing sanitary sewers to be kept in operation, carried through new manhole, and broken out when new line is put into operation.
Existing manhole barrels removed (Except on Fla. Ave.)
Sewer filled with cement grout.

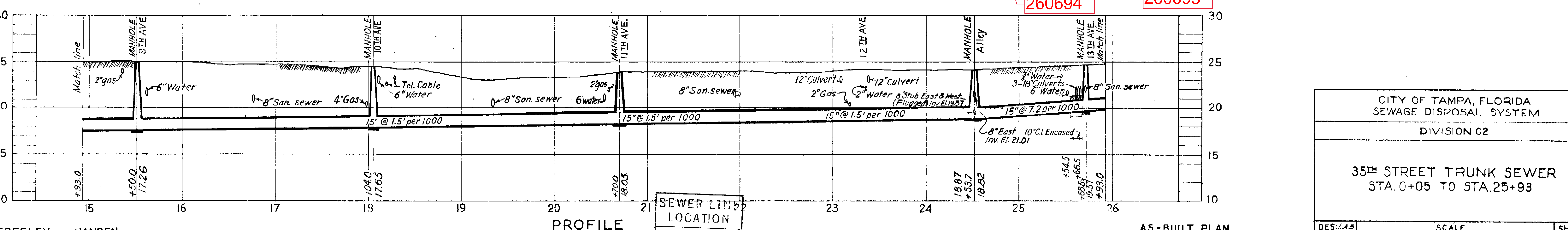
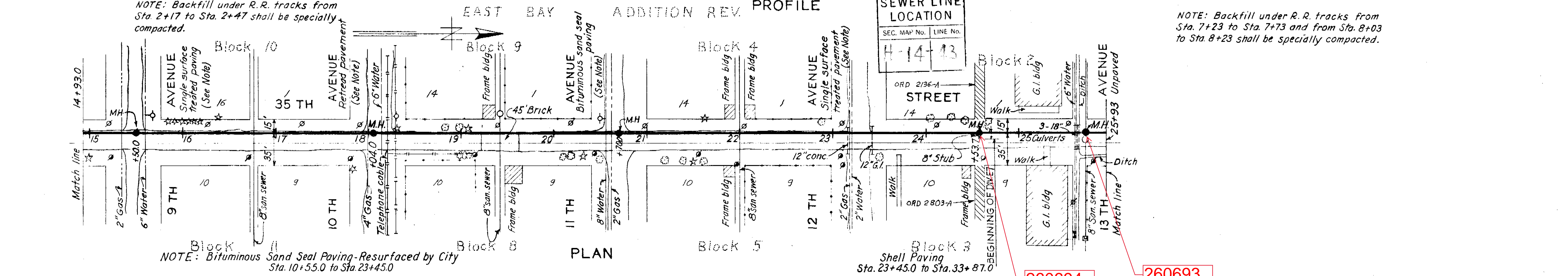
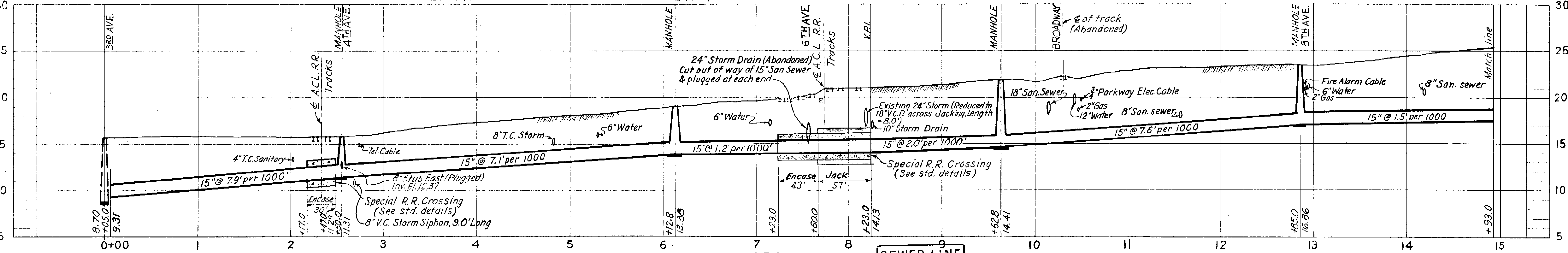
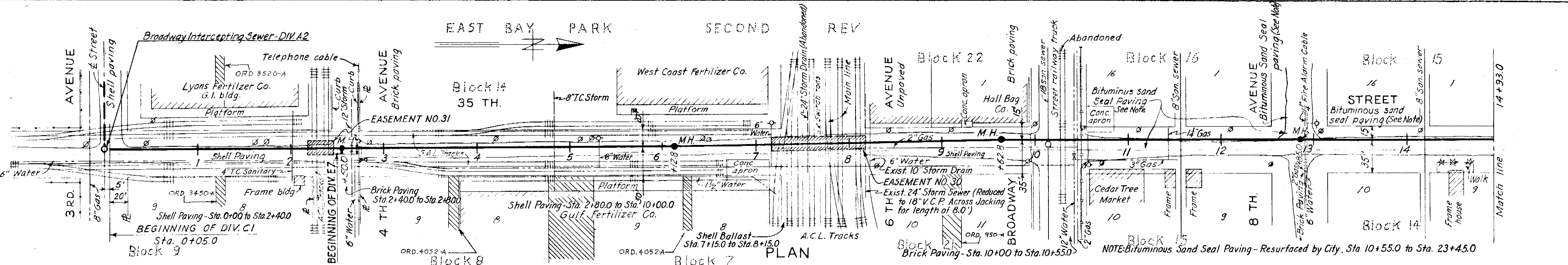
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION B9
COMANCHE AVE. INTERCEPTING SEWER
STA. 15+00.0 TO STA. 31+00.0

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of April 9, 1952 (J.J.S. 4-11-52)

DES: FFL
DR: RML
CKD: WWS
DATE: MAY, 1950
SCALE: 1" = 50'
SHEET: B9-4

040-015



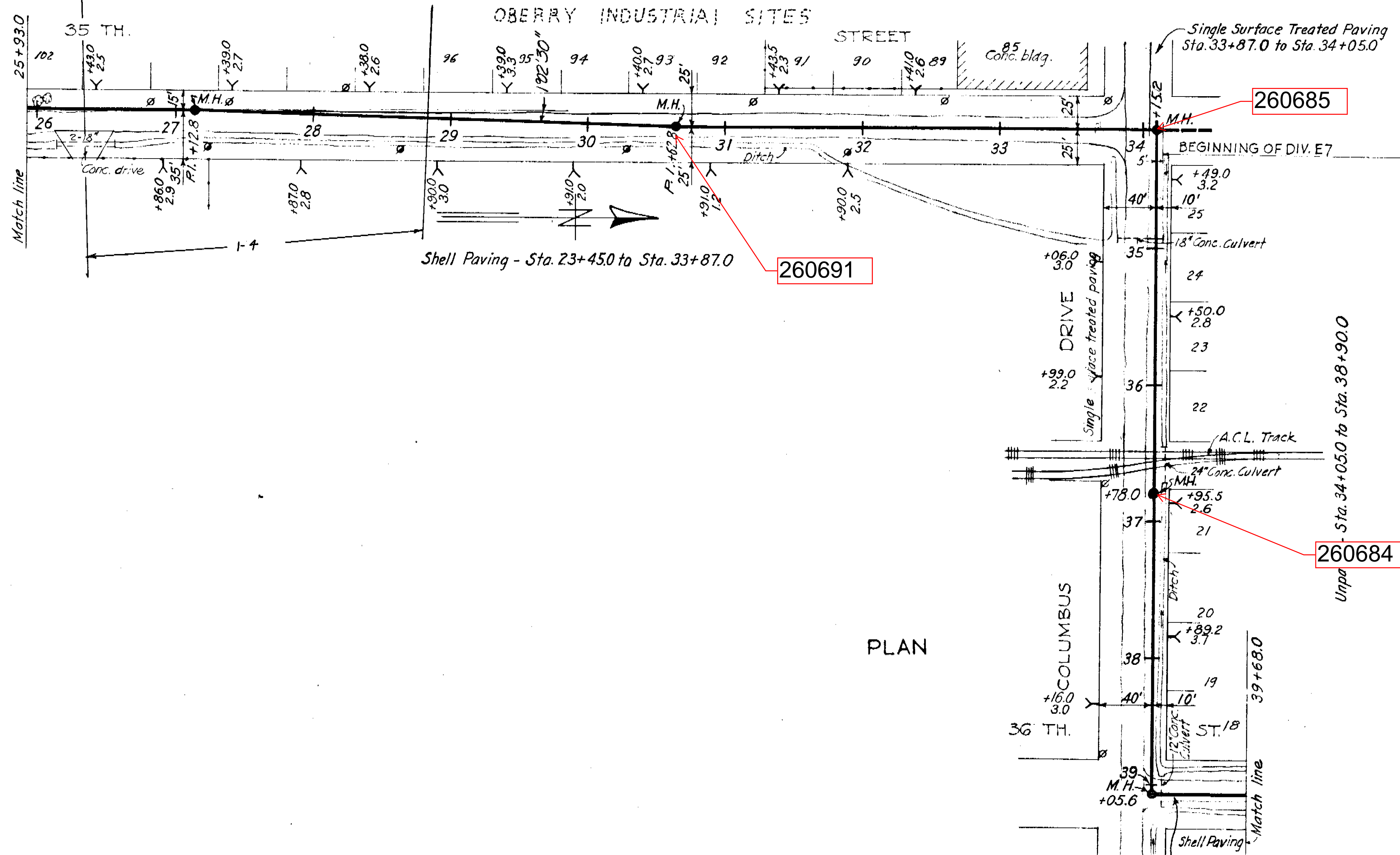
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
4-14-13	260694

AS-BUILT PLAN
Revised to show actual conditions according
to construction records as of June 12, 1950
(R.M.J. 12-28-50)

CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM	
DIVISION C2	
35 TH STREET TRUNK SEWER STA. 0+05 TO STA. 25+93	
DES. L.A.D. DR. J.W.H. CHK. R.E.F. DATE JUNE 1950	SCALE 50 0 50 100 1" = 50'
SHEET C2-3 OF 8	

041-016

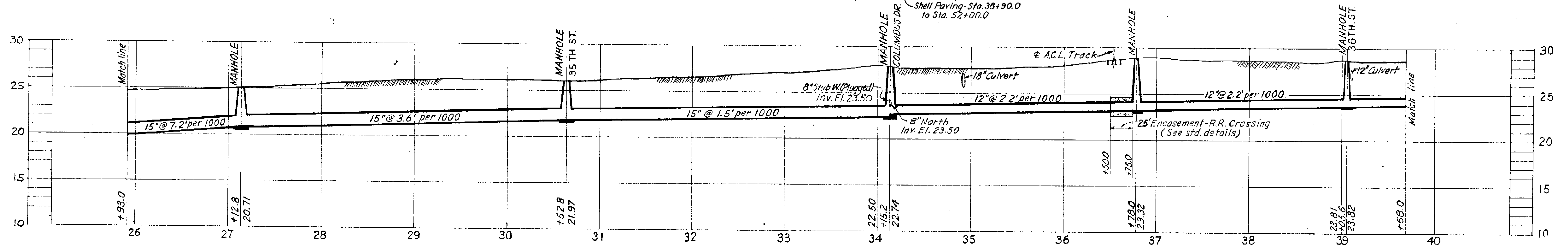


260691

260685

260684

PLAN



PROFILE

NOTE: Backfill under R.R. tracks from Sta. 36+40 to Sta. 36+60 shall be specially compacted.

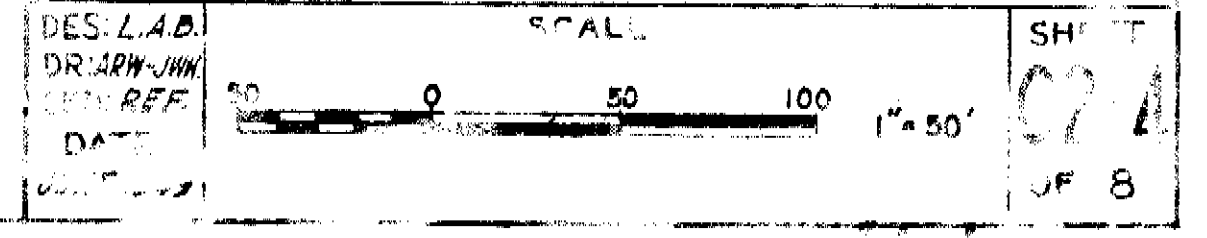
SEWER LINE LOCATION	
SRC. MAP No.	LINE No.
14-10-41	1

CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
DIVISION C2

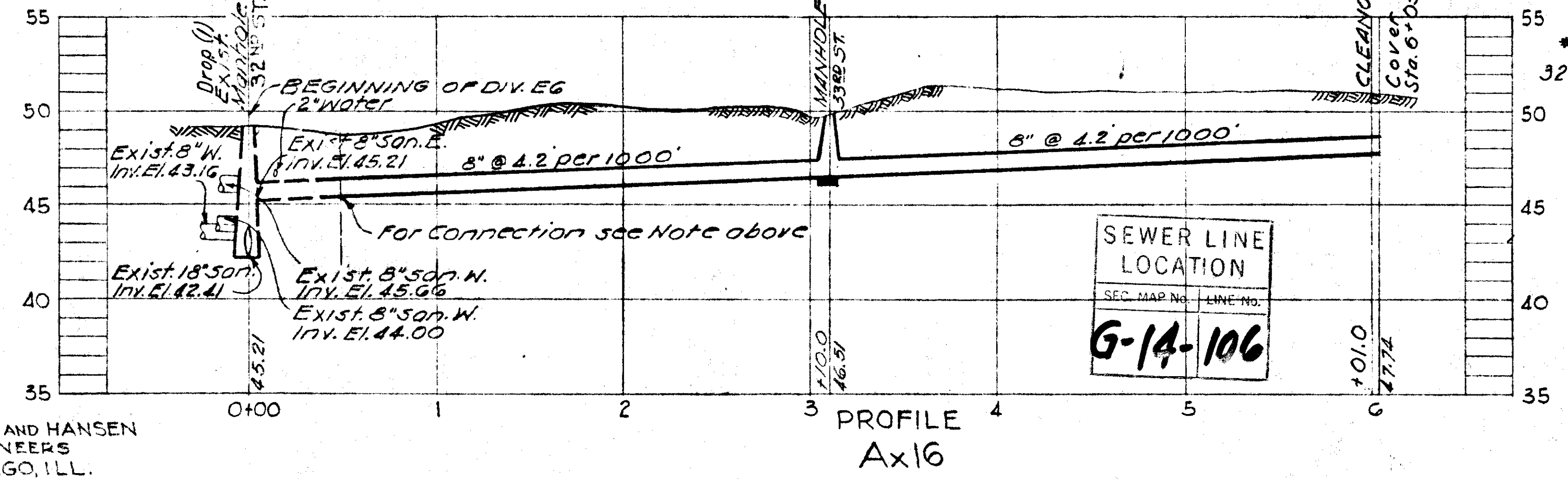
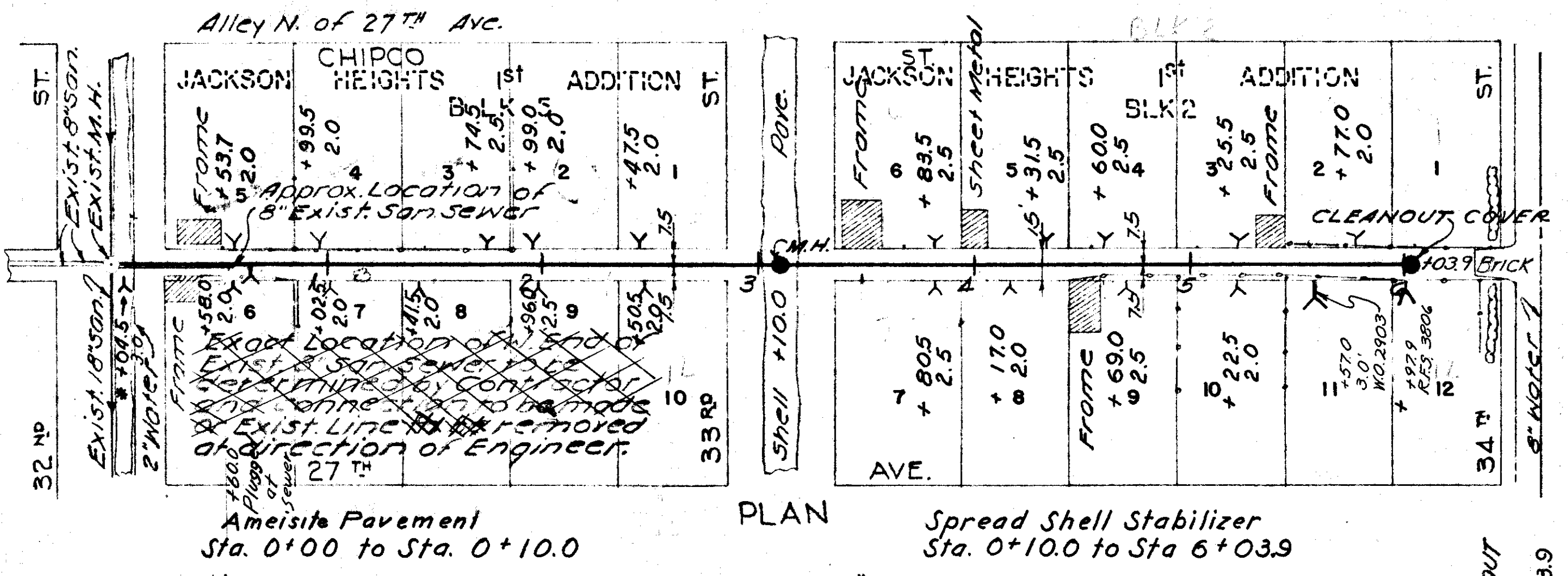
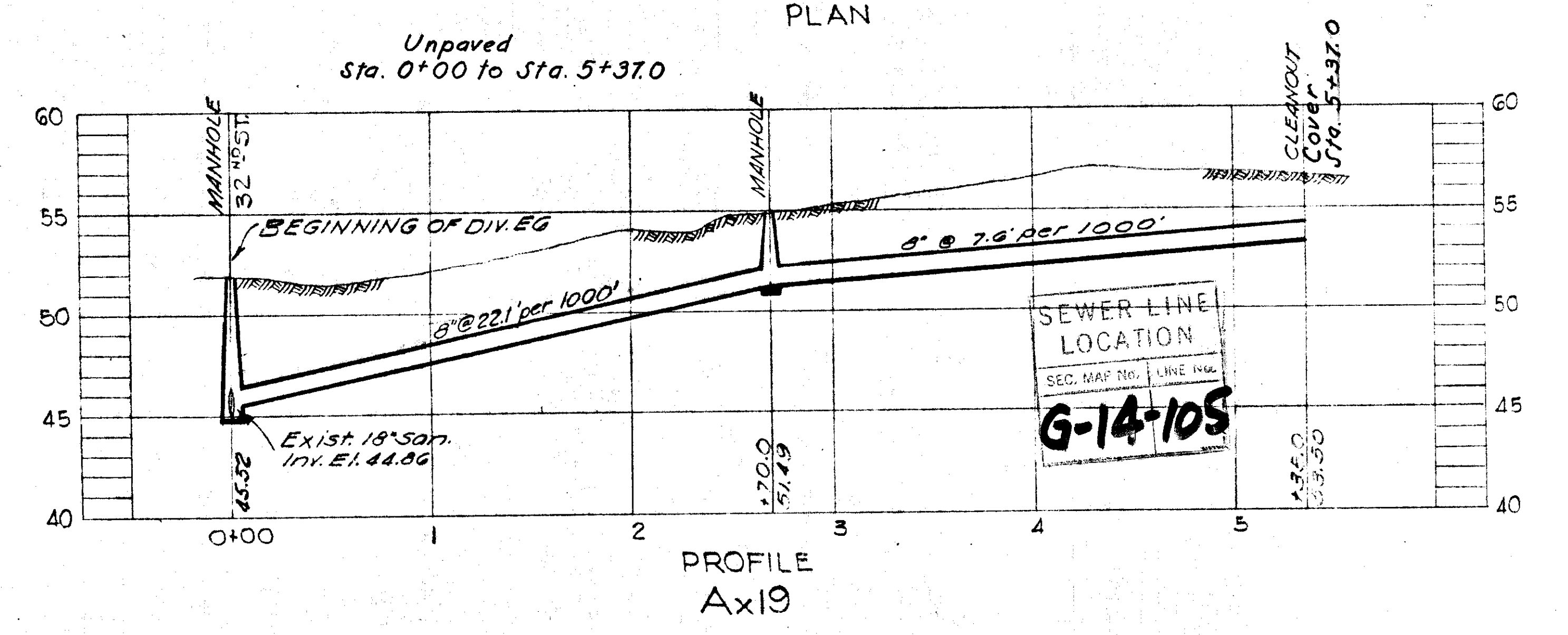
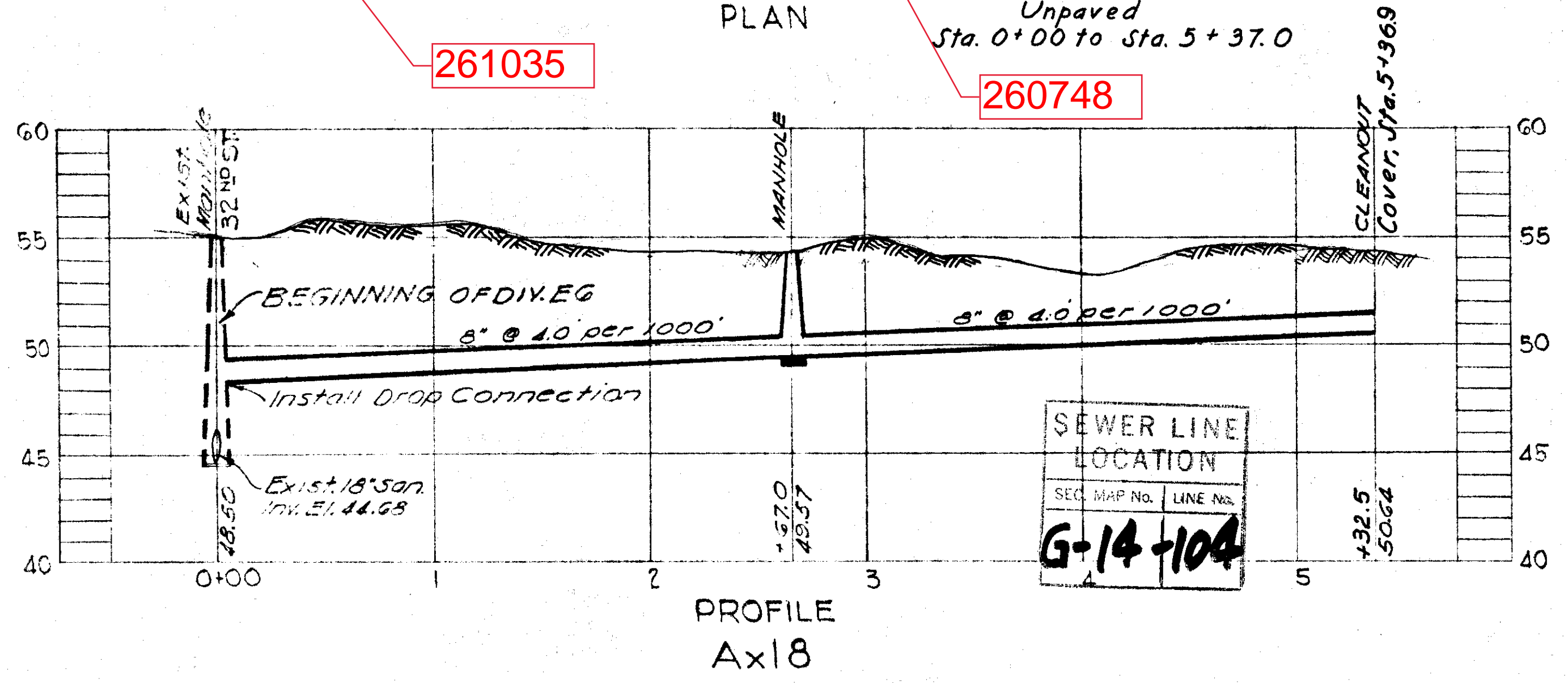
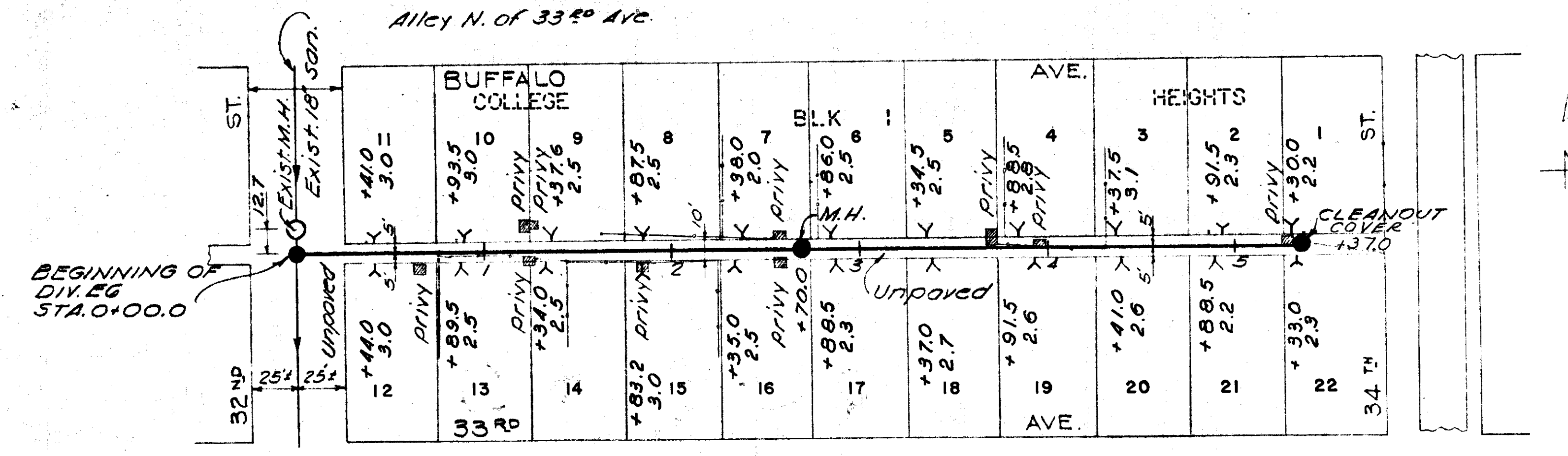
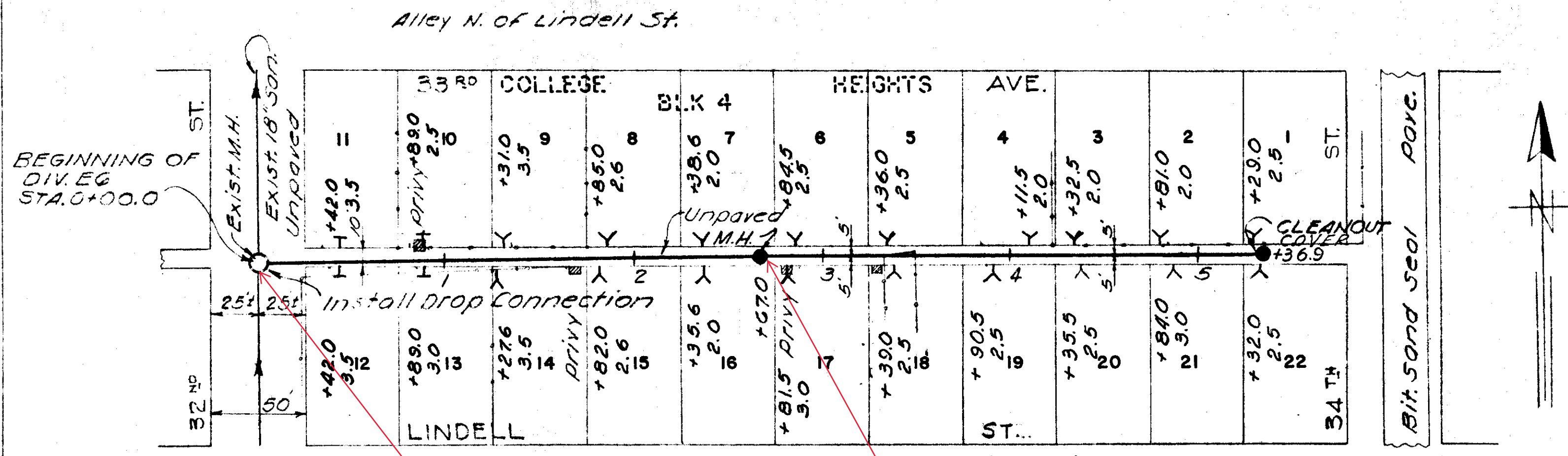
35TH STREET TRUNK SEWER
STA. 25+93 TO STA. 39+68

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

AS-BUILT PLAN
Revised to show actual conditions according
to construction records as of June 12, 1950
(R.M.U. 12-28-50)



041-017



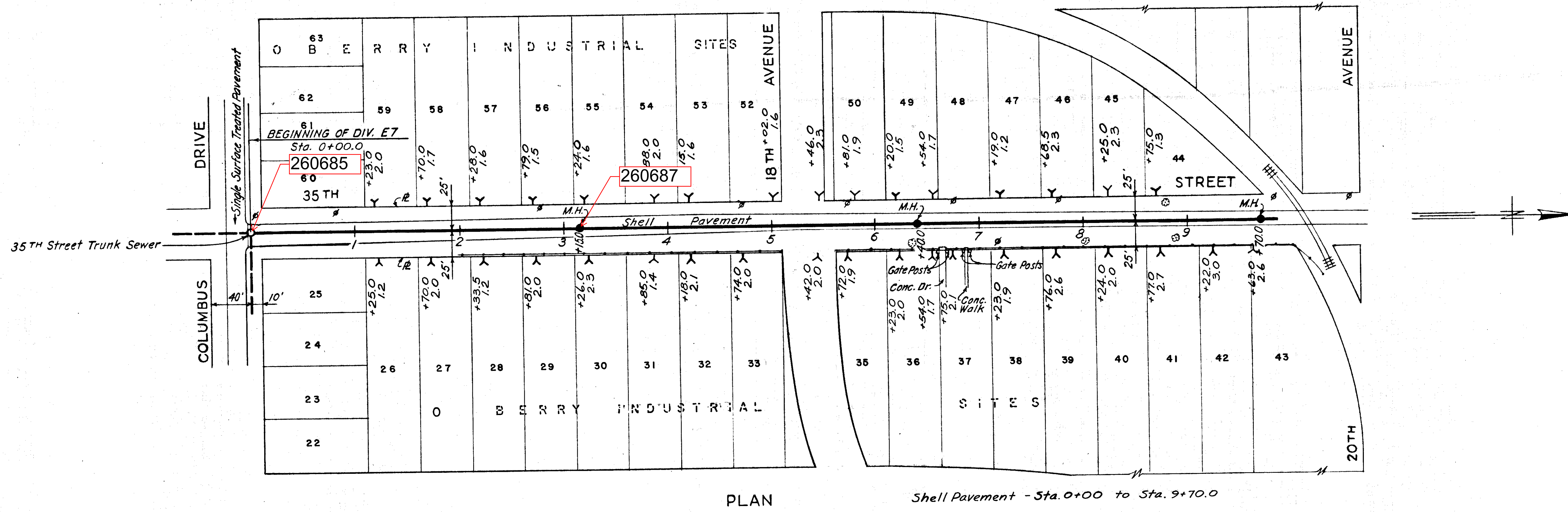
GREELEY AND HANSEN ENGINEERS CHICAGO, ILL.

AS-BUILT PLAN
 Revised to show actual conditions according to construction records as of April 14, 1951 (G.L.L. 4-11-51)

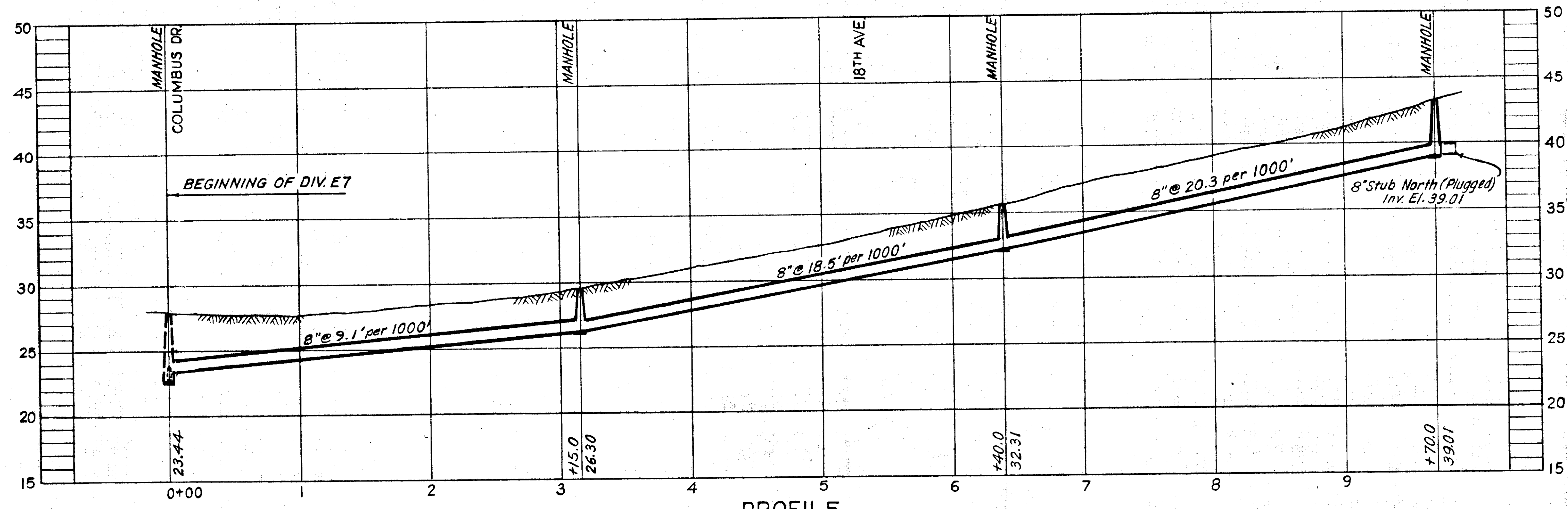
CITY OF TAMPA FLORIDA
 SEWER IMPROVEMENTS
 DIVISION E6
 Ax16, Ax18 & Ax19

SCALE 1"=50'
 SHEET E6-16
 DATE MAY 1960

047-016



PLAN Shell Pavement - Sta. 0+00 to Sta. 9+70.0



PROFILE E-3

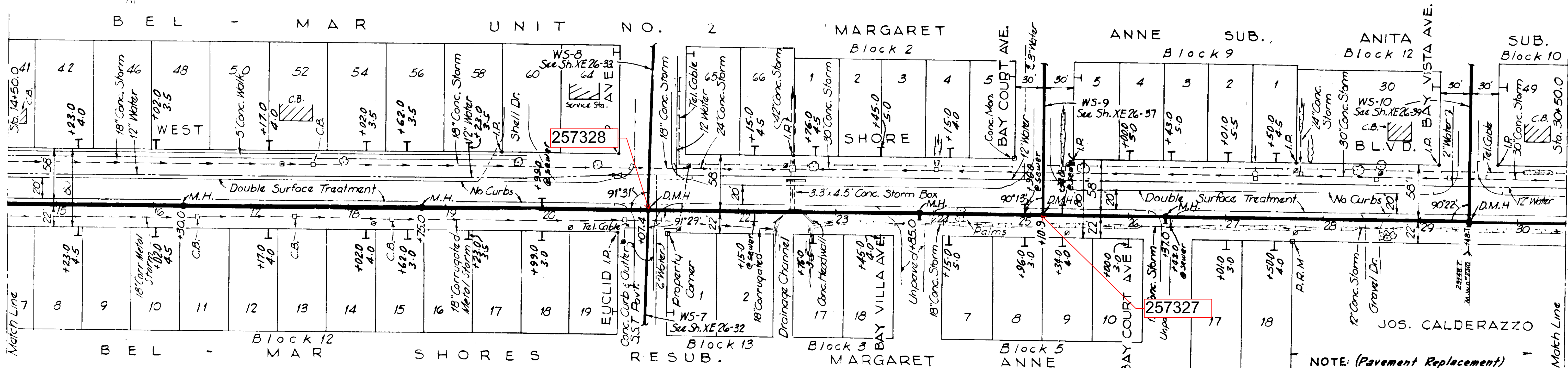
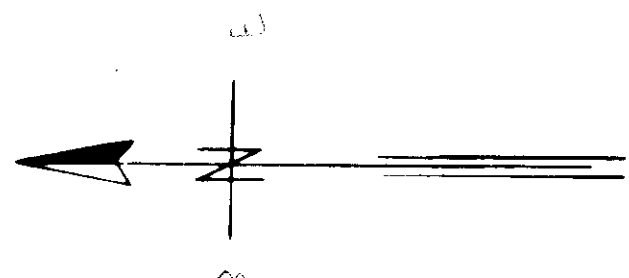
SEWER LINE LOCATION
 SEQ. MAP NO. LINE NO.
G-14-114

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

AS-BUILT PLAN
 Revised to show actual conditions according
 to construction records as of March 23, 1951
 (J.J.S. 5-15-51)

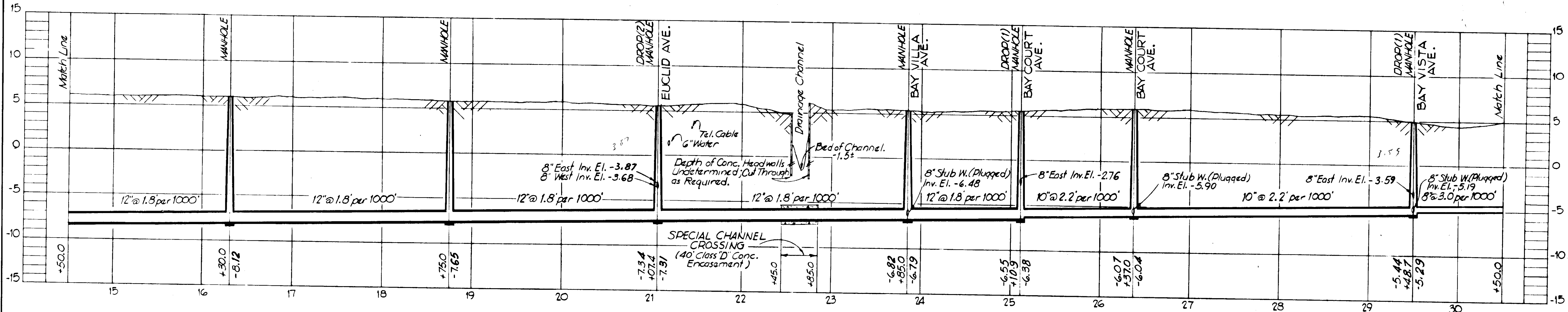
CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION E7		
E-3		
DES: L.A.B. DR: J.W.H. CKD: W.W.S. DATE: MAY 1950	SCALE: 1" = 50'	SHEET E7-5

047-028



PLAN

NOTE: (Pavement Replacement)
 Sta. 20+88 to Sta. 21+22
 Sta. 23+48 to Sta. 23+98
 Sta. 26+30 to Sta. 26+48
 Replaced with 1 1/2" Cold Mix Pavement.



PROFILE WS

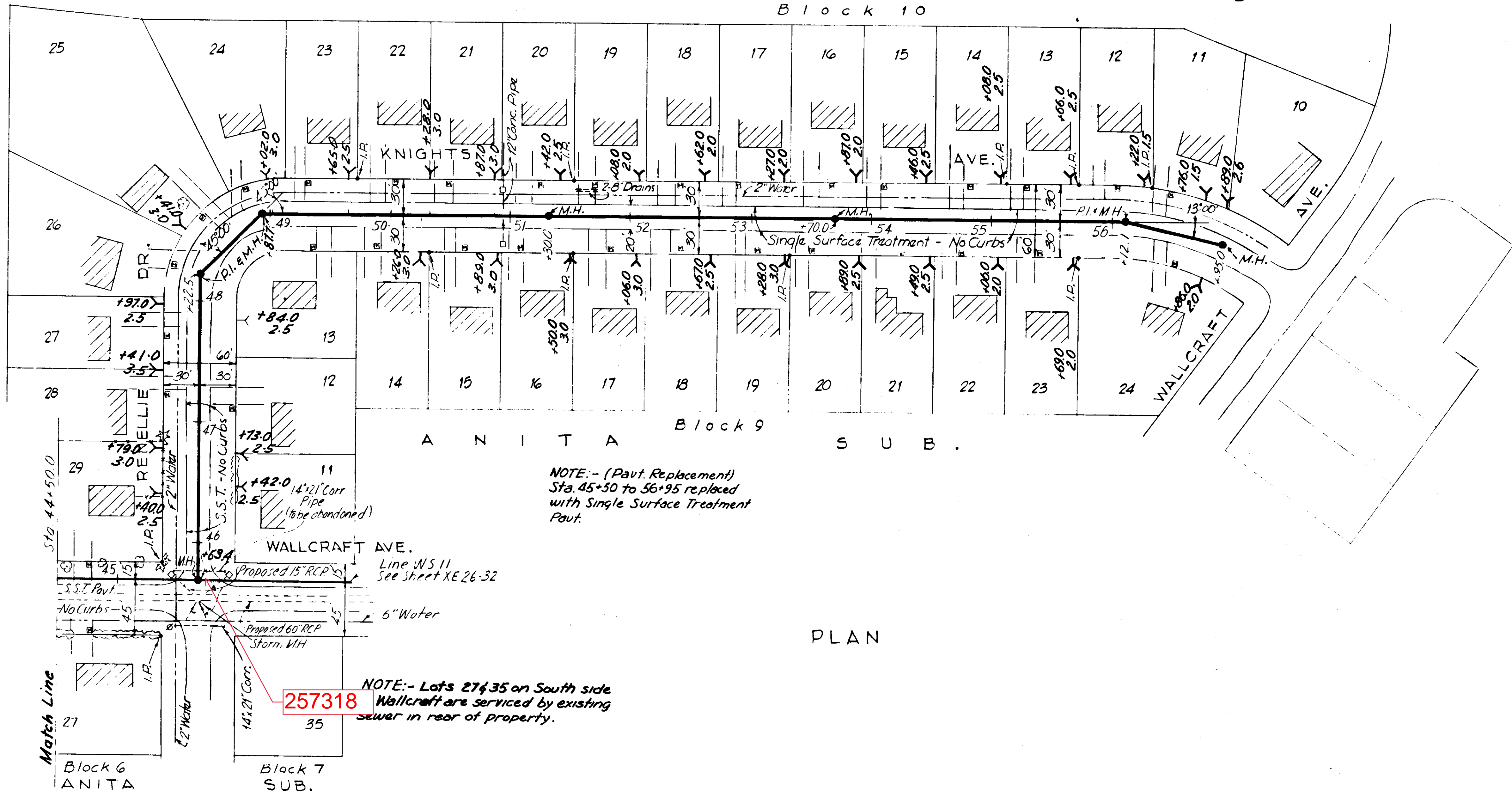
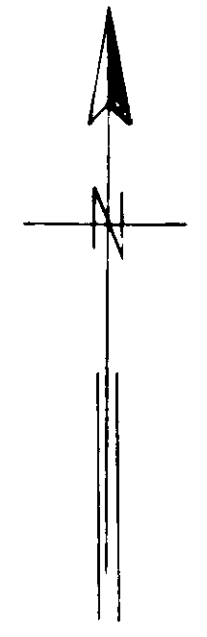
NOTE:
 Replace Paving on West Shore Blvd. with Asphaltic Cold Mix.

~AS BUILT PLAN~
 Revised to show actual conditions according to construction records as of Jan. 57.
 (J.M.R. 2-14-57)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE26	
WS STA. 14+50 TO STA. 30+50	
DES. C.M.T. DR. C.M.T. CKD. F.F.E. DATE: DEC. 1955	SCALE 0 50 100 1"=50'
SHEET XE26-4 OF 51	

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

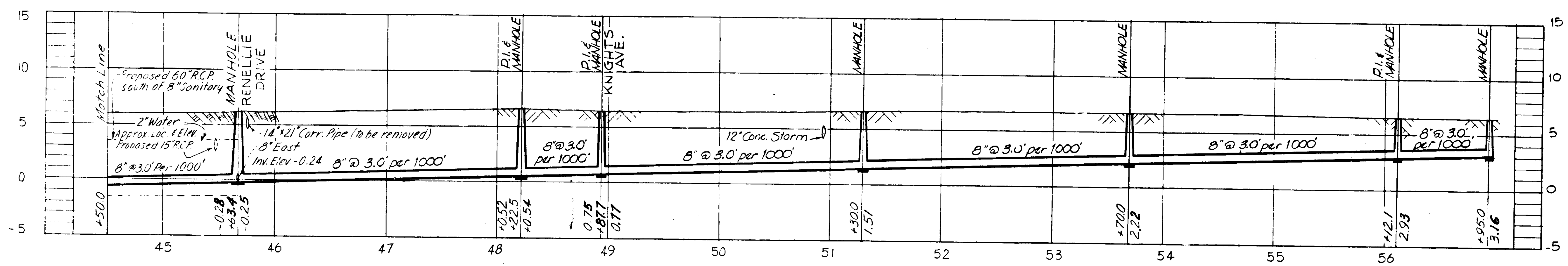
075-004



NOTE: - (Part. Replacement)
Sta. 45+50 to 56+95 replaced
with Single Surface Treatment
Paut.

NOTE: - Lots 27 & 35 on South side
Wallcraft are serviced by existing
sewer in rear of property.

PLAN



PROFILE
WS

AS BUILT PLAN
Revised to show actual conditions
according to construction records
as of February-1957.
(U.S.H. 2-18-57.)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE26

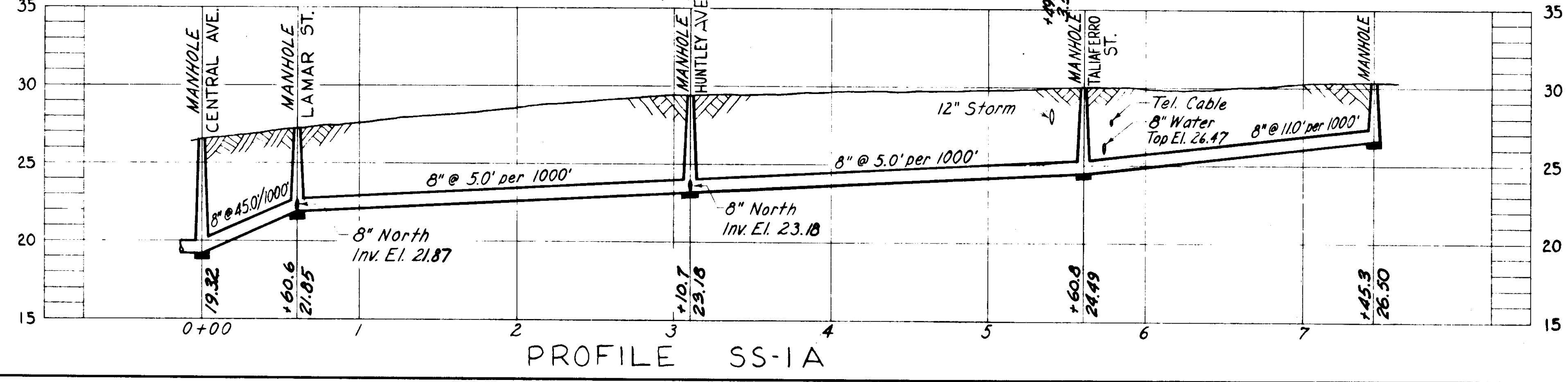
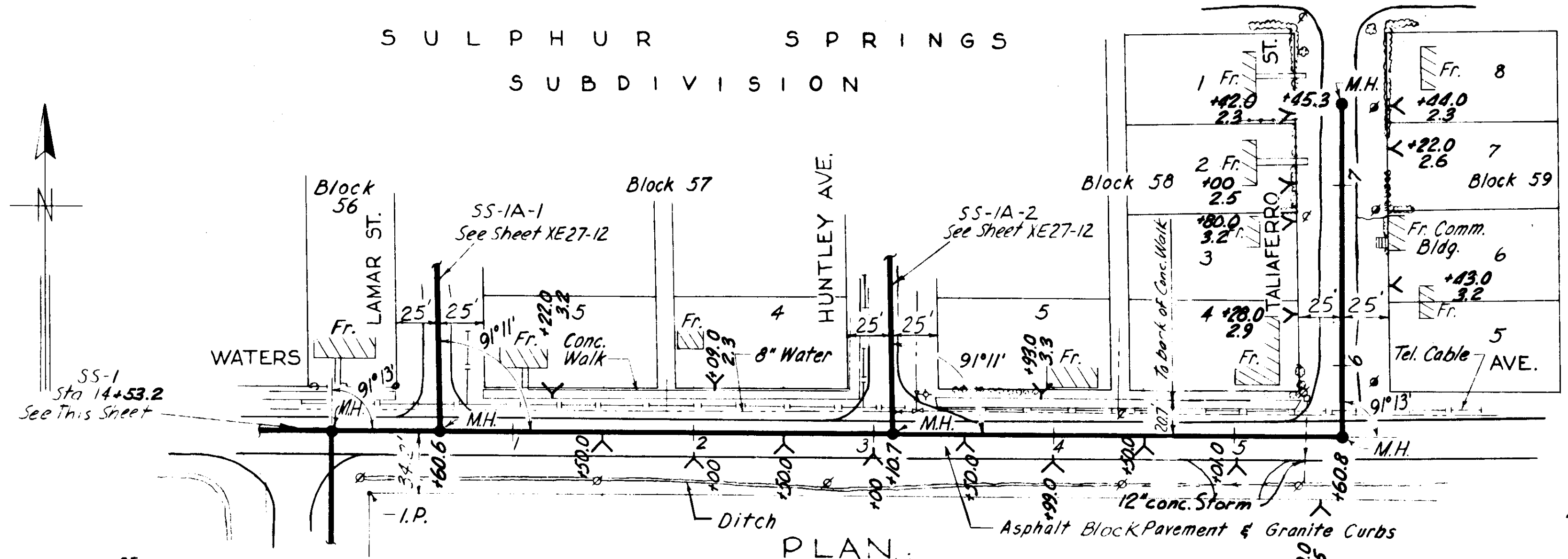
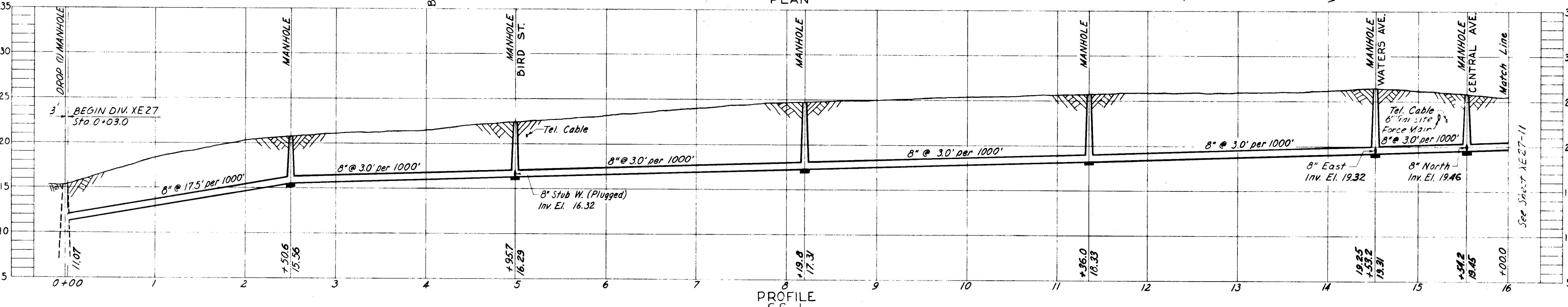
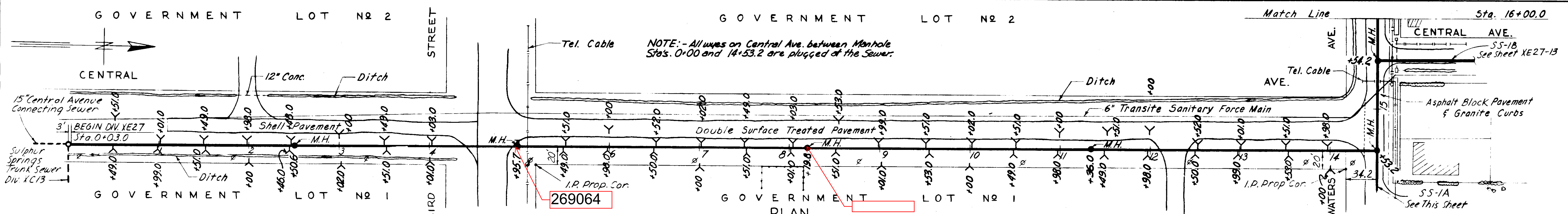
WS
STA. 44+50 TO STA. 56+95.0

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

SCALE
0 50 100

SHEET
NE 26-6

075-006



Note: - Part. Replacement, SS-1
 Sta. 4+27 to 4+62 A.C.M.
 Sta. 12+05 to 12+35 S.S.T.
 Sta. 14+30 to 16+00 A.C.M.
 SS-1A
 Sta. 0+00 to 5+69 A.C.M.
 Sta. 5+69 to 7+45.3 S.S.T.

NOTE: - All wires on South side of Waters Ave. between Sta's. 1+50 & 5+01 inclusive are plugged @ Sewer.

AS-BUILT PLAN
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION RECORDS
 AS OF October 1957. PER E. J. H. H. P.

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE27

SS-1
 STA. 0+00 TO STA. 16+00
 & SS-1A

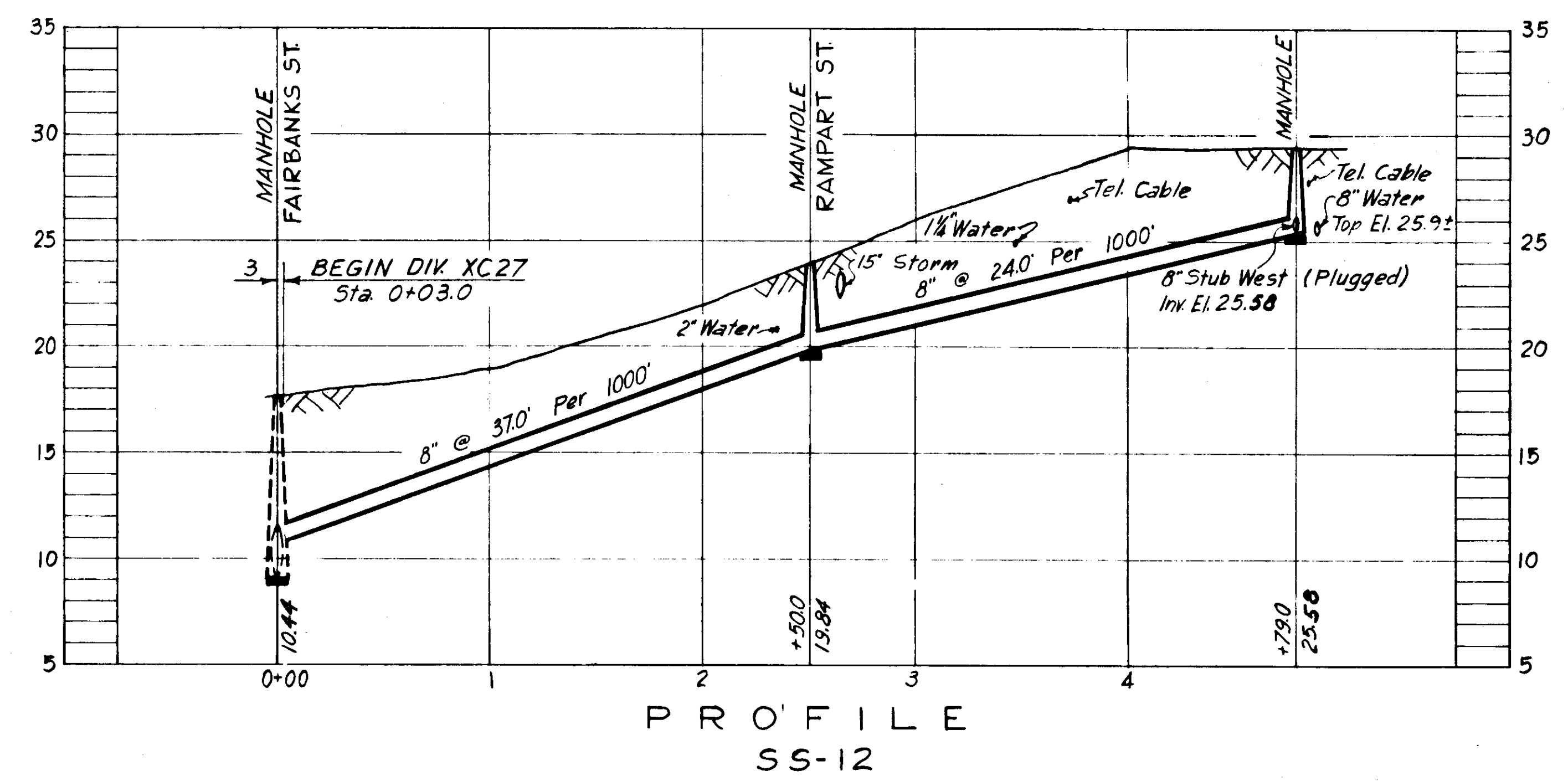
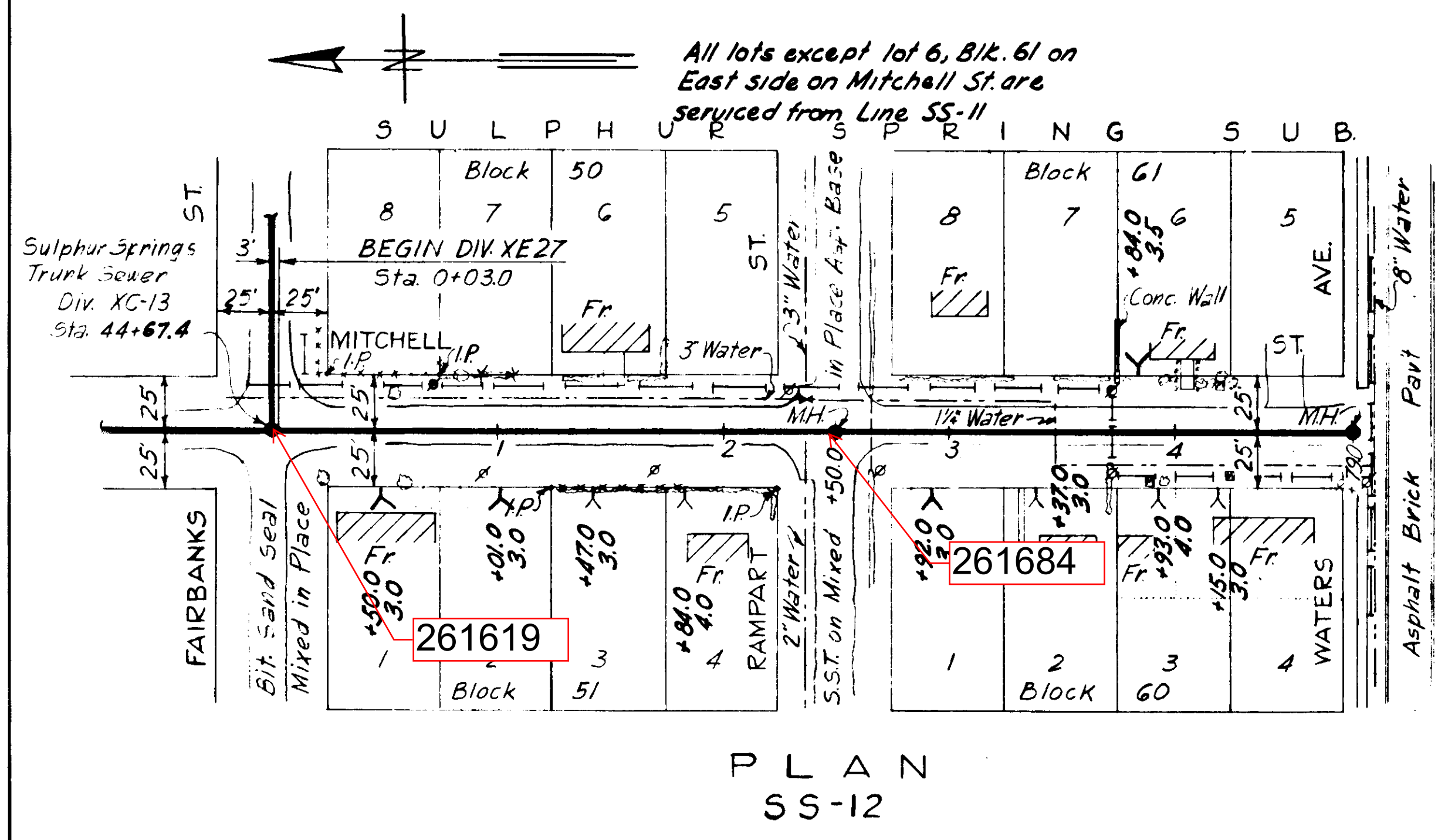
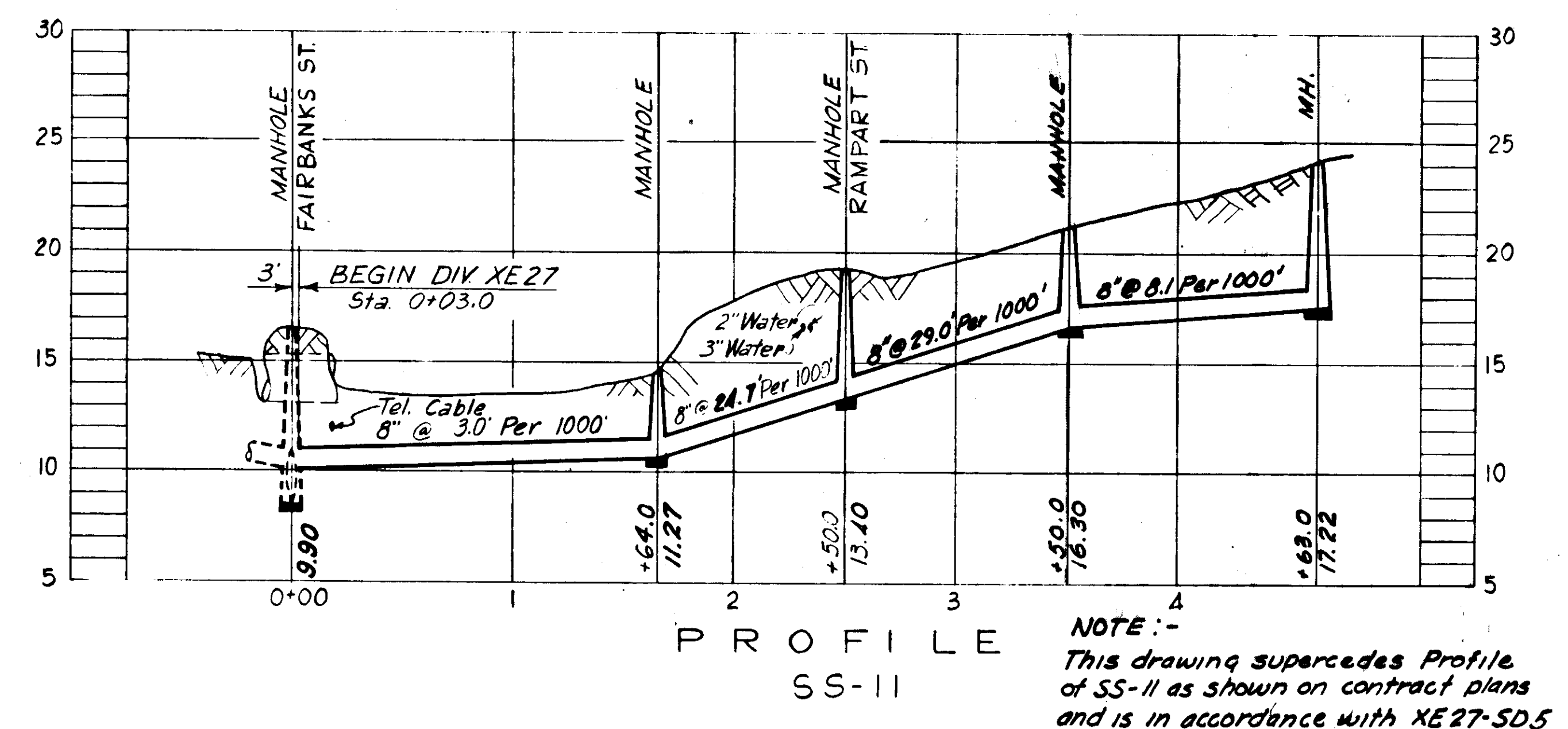
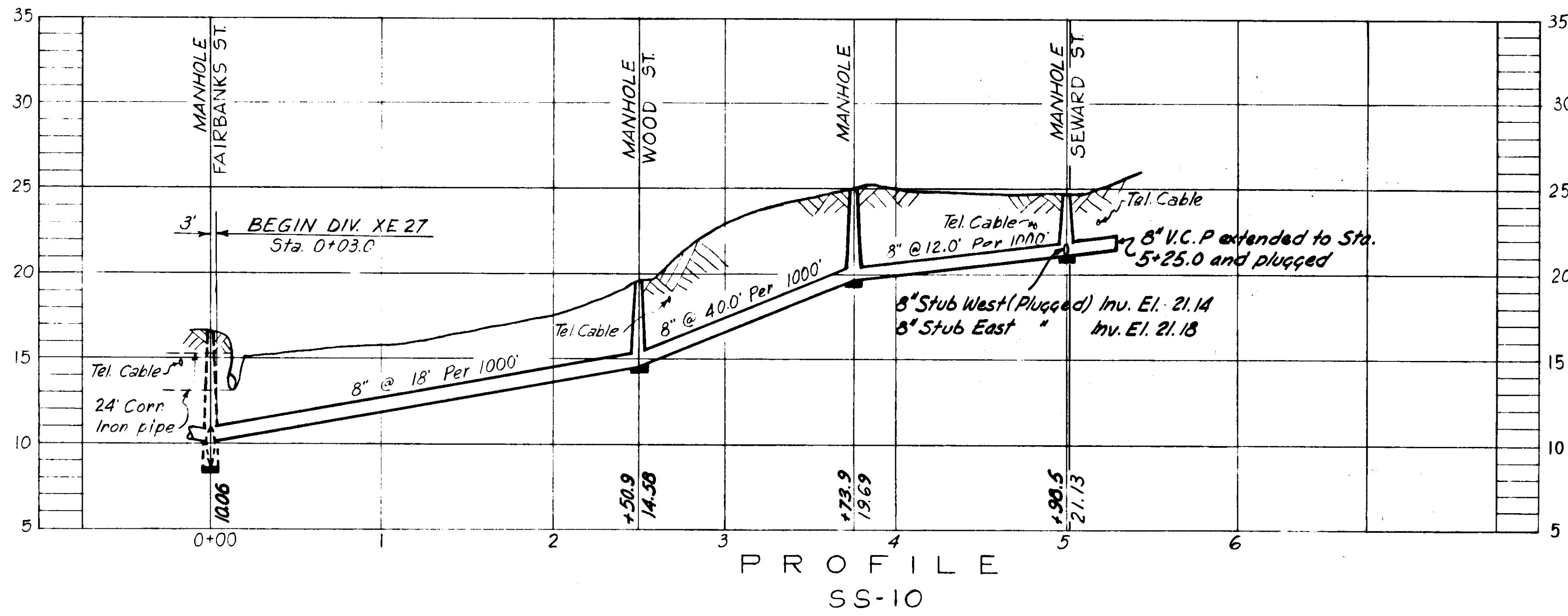
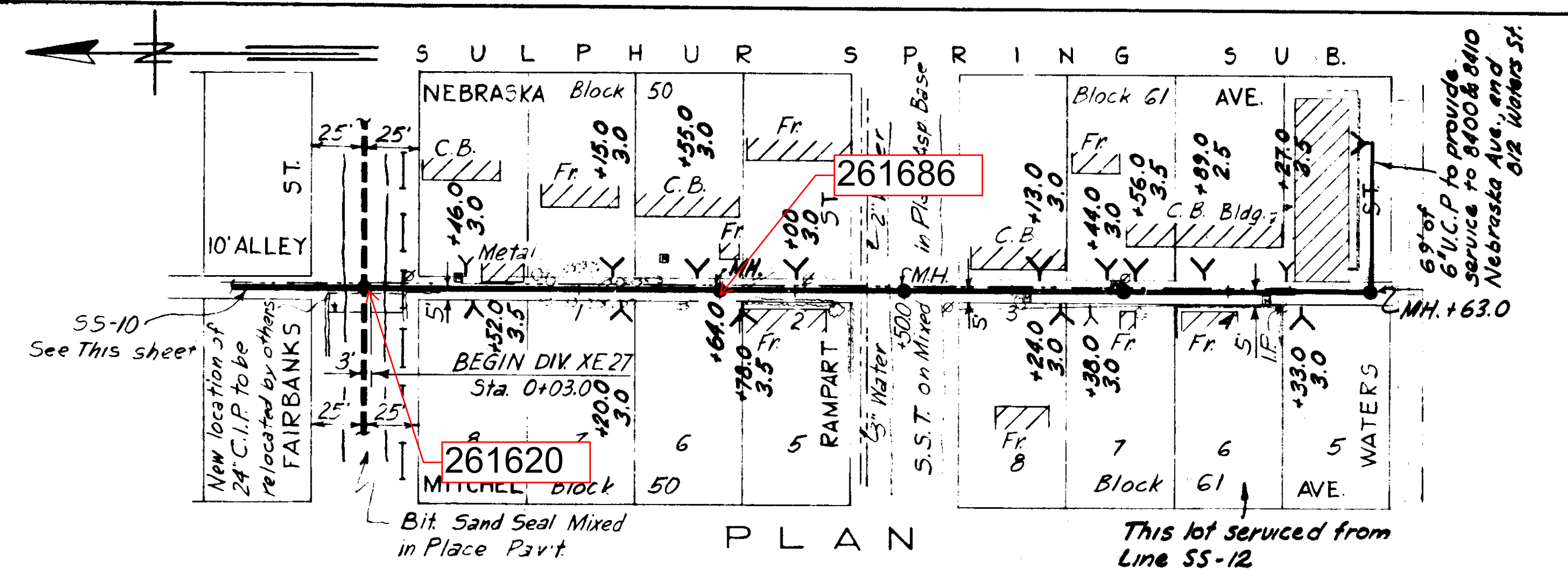
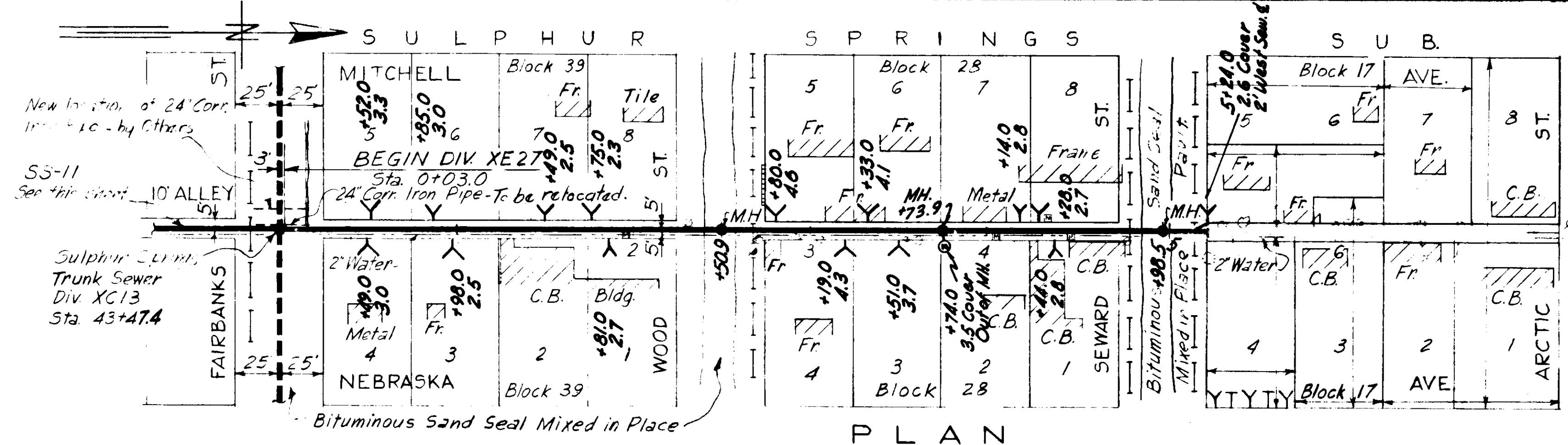
DES. C.M.T.
 DR. G.A.O.
 CKD. R.E.F.
 DATE: JUNE 1956

SCALE
 1" = 50'

SHEET
 XE27-10
 OF 29

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

076-010



Note: - Pavt. Replacement, SS-10 Sta. 0+03 to 0+19 S.S.T. Sta. 4+09 to 5+05 S.S.T. SS-11 Sta. 0+03 to 0+18 S.S.T. Sta. 2+42 to 2+58 S.S.T. SS-12 Sta. 0+03 to 4+79 S.S.T.

AS-BUILT PLAN REVISED TO SHOW ACTUAL CONDITIONS ACCORDING TO CONSTRUCTION RECORDS AS OF January 1956 PER E.V.J. Jan. 1956

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE 27

SS-10, SS-11 & SS-12

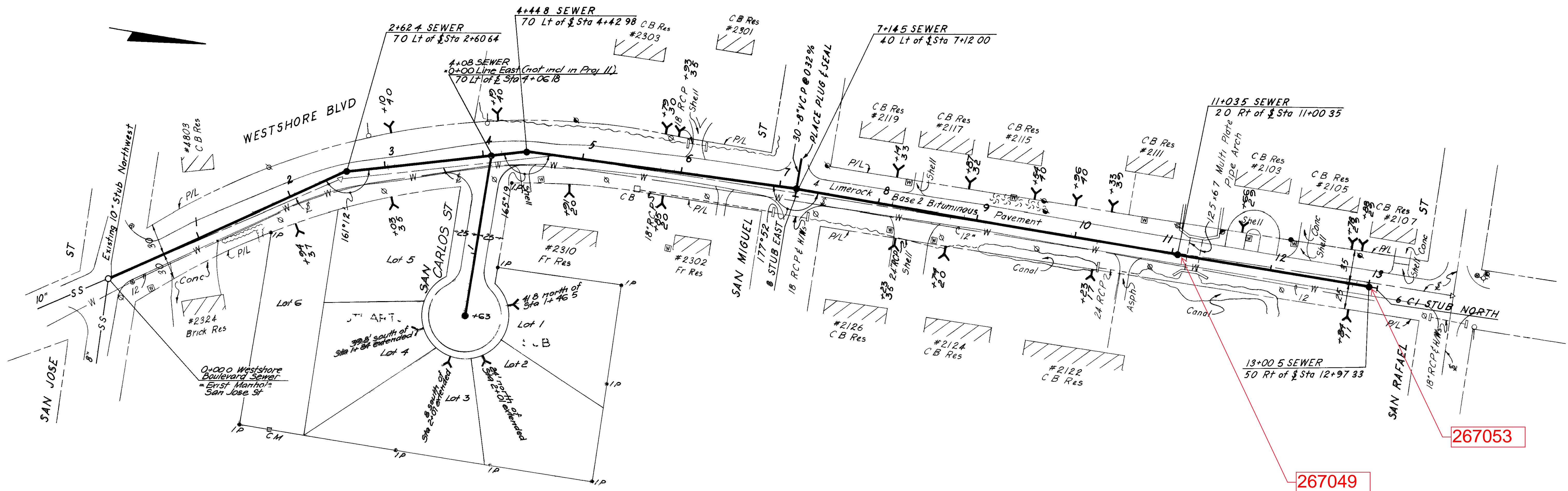
DES. C.M.T.
DR. J.M.R.
CKD. F.F.E.
DATE: JUNE 1956

SCALE 1"=50'

SHEET XE27-21

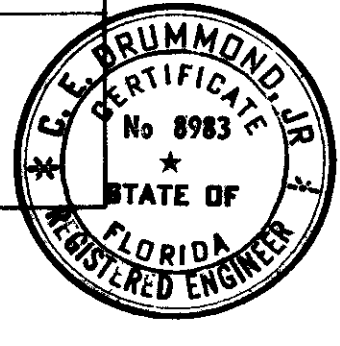
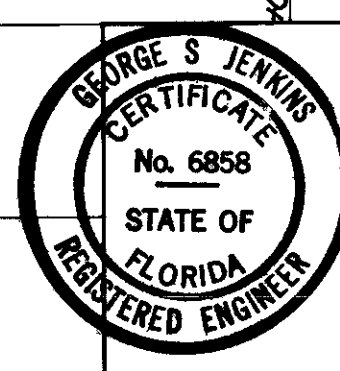
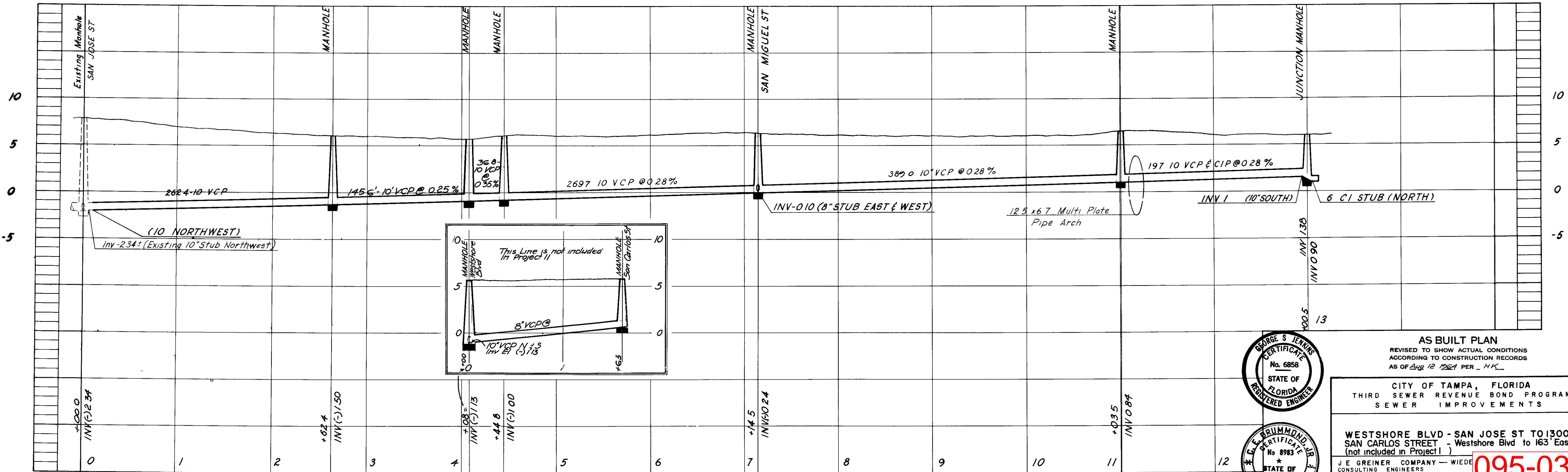
GREELEY AND HANSEN ENGINEERS CHICAGO, ILL.

076-021



267053

267049



AS BUILT PLAN
REVISED TO SHOW ACTUAL CONDITIONS
ACCORDING TO CONSTRUCTION RECORDS
AS OF Aug 12 1981 PER HK

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

WESTSHORE BLVD - SAN JOSE ST TO 1300' N
SAN CARLOS STREET - Westshore Blvd to 163' East
(not included in Project I)

J.E. GREINER COMPANY - WIEDE
CONSULTING ENGINEERS
TAMPA, FLORIDA

095-032

DES: JEG
DWN: JEG
CHK: JEG
SCALE: 1"=30'
DATE: SEPT 89

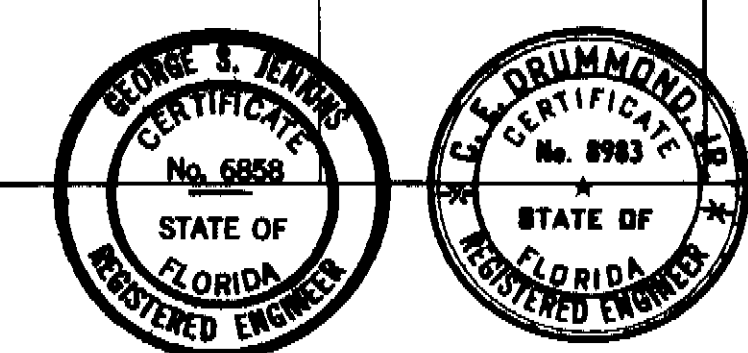
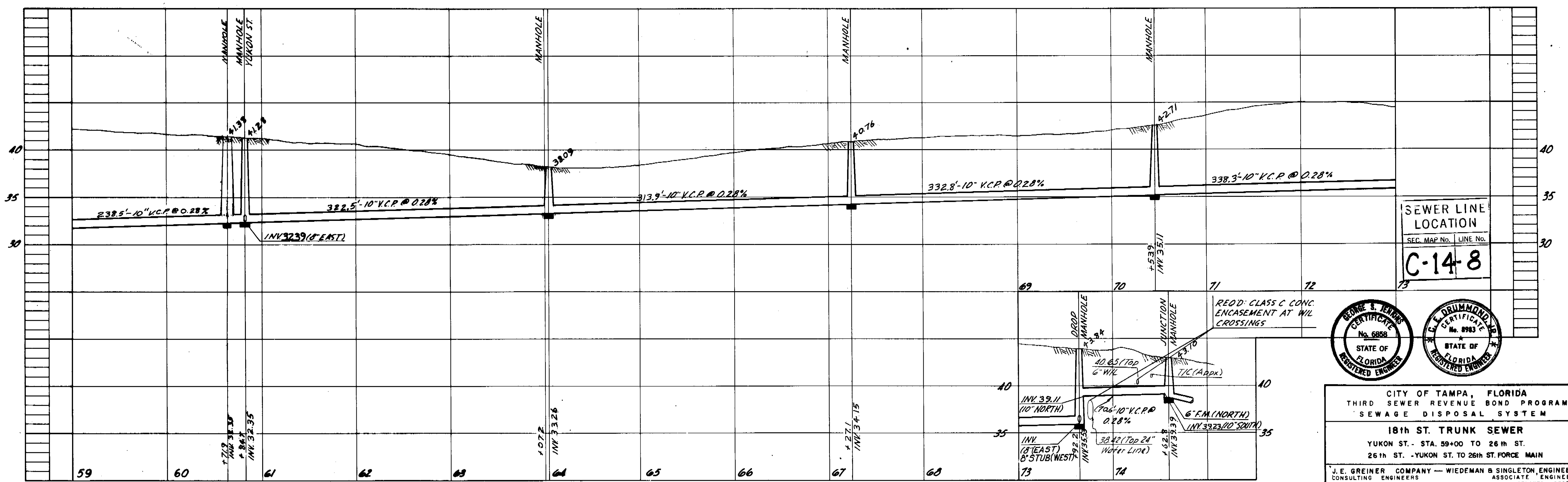
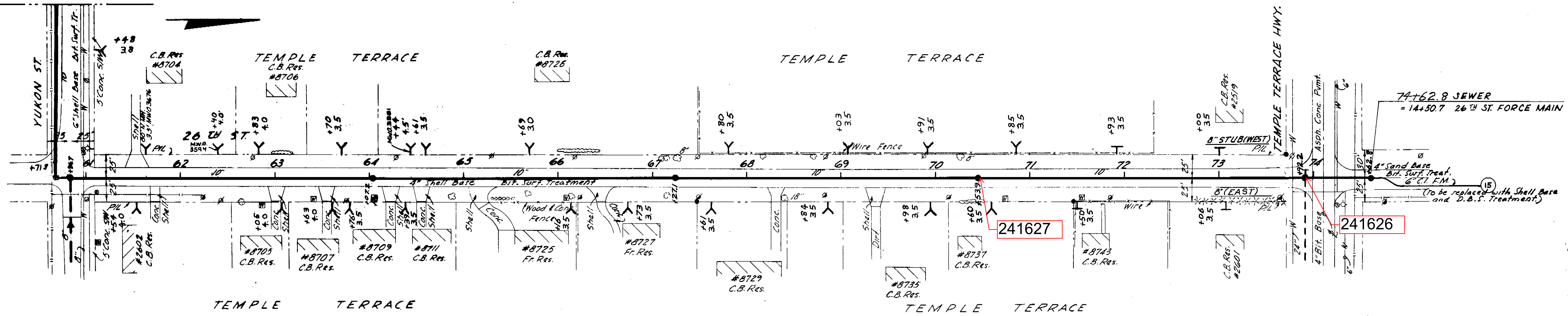
PROJECT II
SUBDISTRICT A-2

SHEET
SI
OF

95-32

B.M. No. AS 6-1
 R. A. Spike in 24" Double Oak
 @ N. E. Cor. Sitka St. &
 Marks St.
 Elev. 27.605

SEE SHEET No. 21
 MATCH LINE- STA. 59+00



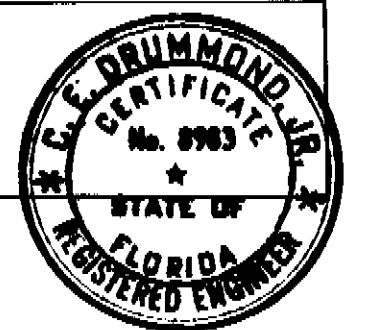
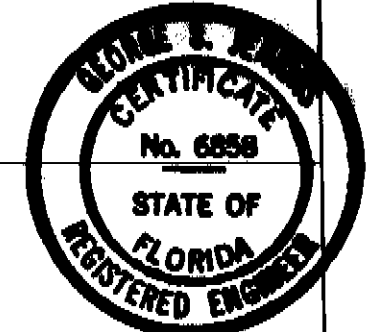
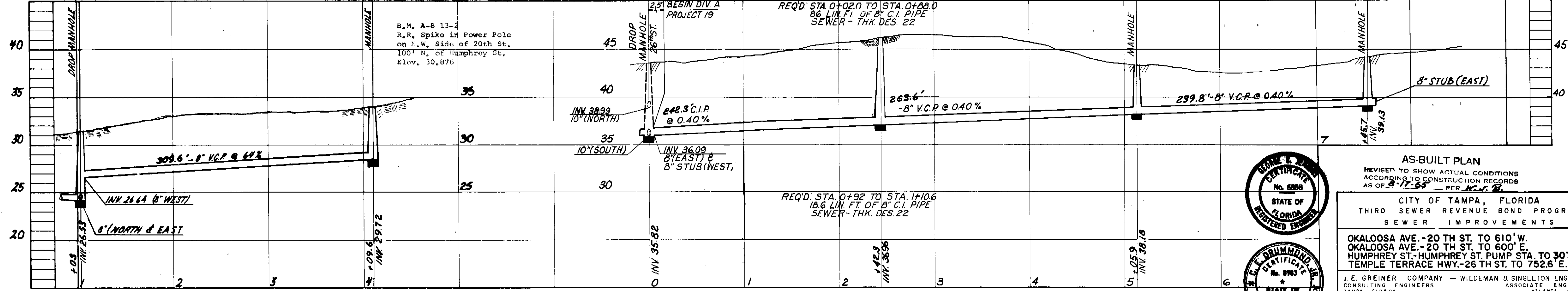
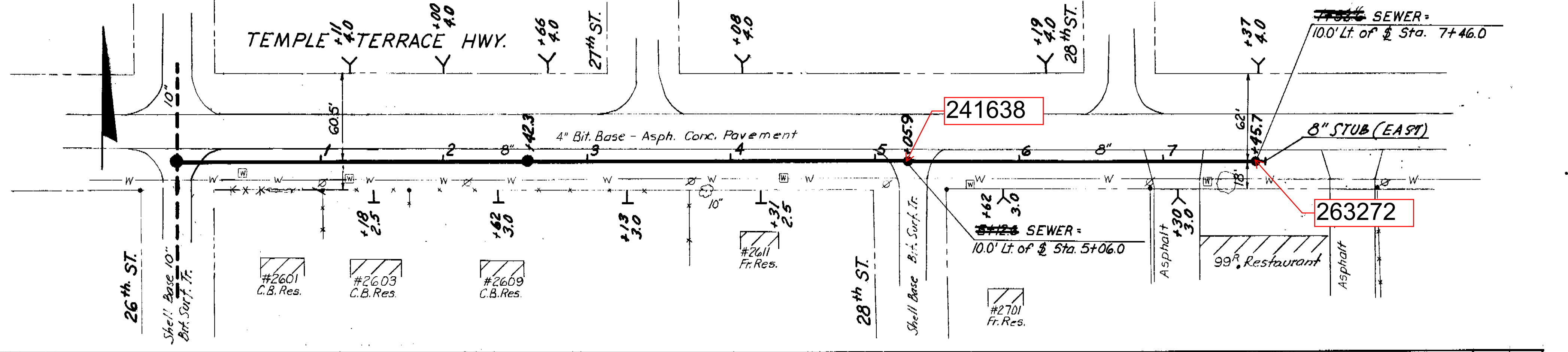
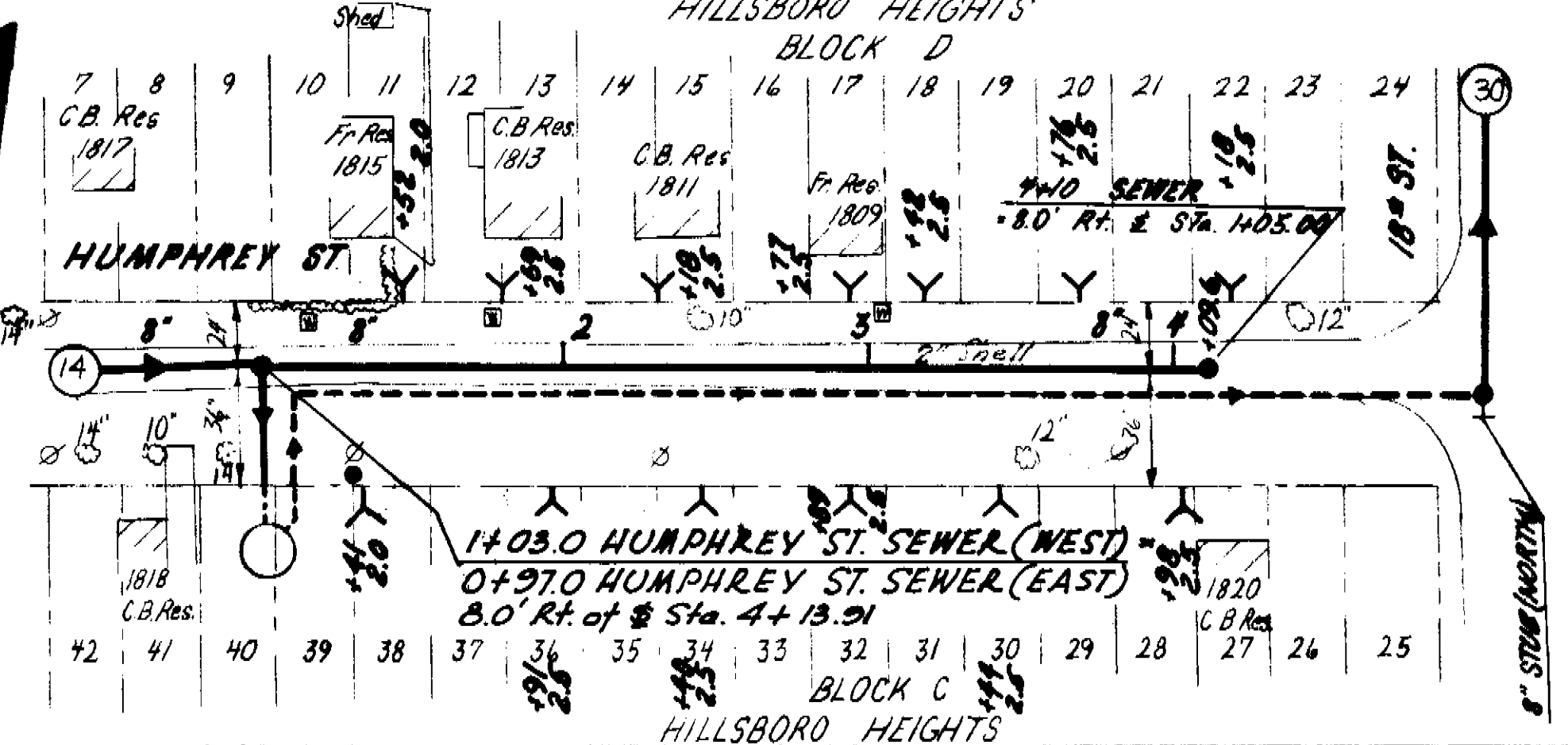
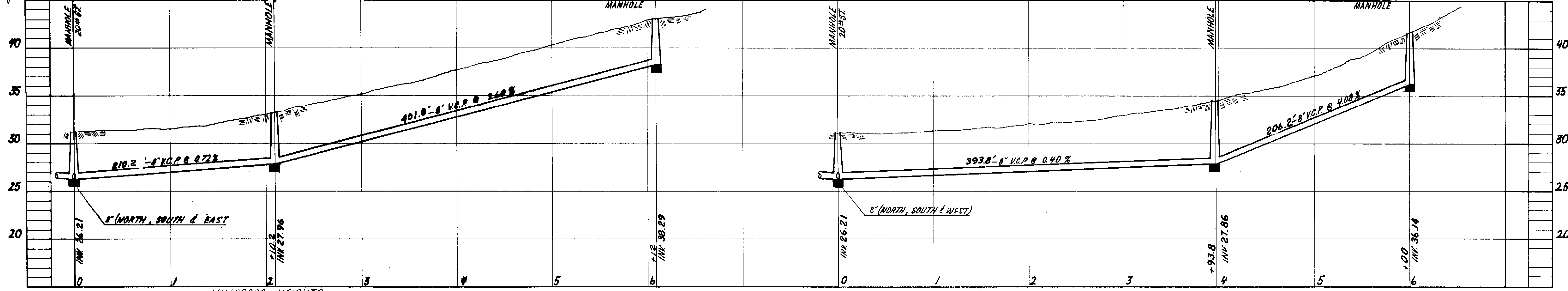
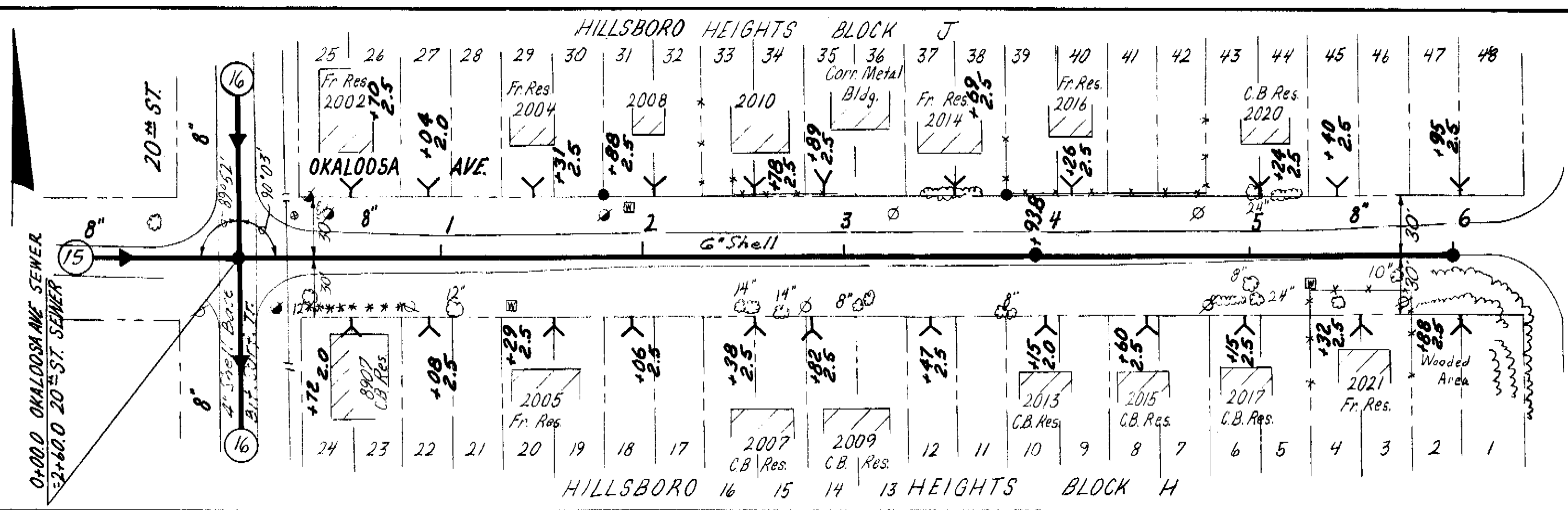
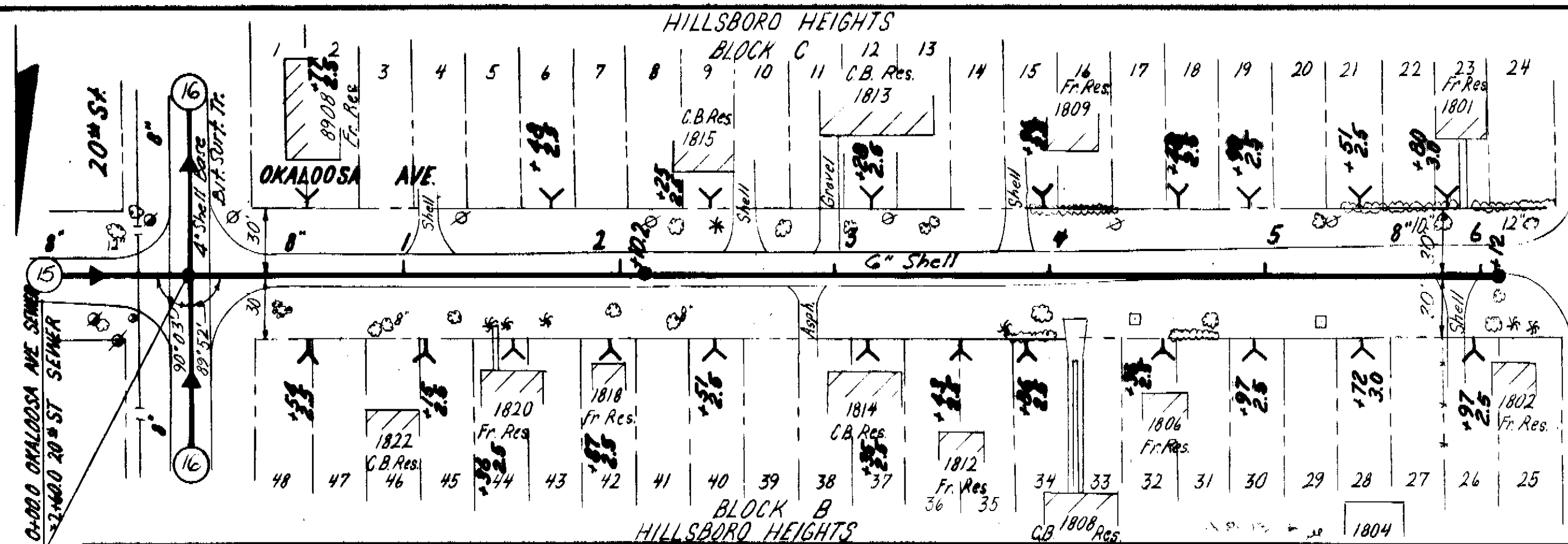
CITY OF TAMPA, FLORIDA
 THIRD SEWER REVENUE BOND PROGRAM
 SEWAGE DISPOSAL SYSTEM
 18th ST. TRUNK SEWER
 YUKON ST. - STA. 59+00 TO 26th ST.
 26th ST. - YUKON ST. TO 26th ST. FORCE MAIN

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

PROJECT 18
 SUBDISTRICT A-8b

SHEET 22 OF 25

AS BUILT PLAN
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION RECORD
 AS OF 8-31-66 BY E. T.



AS-BUILT PLAN
 REVISOR TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION RECORDS
 AS OF 8-17-65 PER M.C.E.

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

OKALOOSA AVE. - 20 TH ST. TO 610' W.
 OKALOOSA AVE. - 20 TH ST. TO 600' E.
 HUMPHREY ST. - HUMPHREY ST. PUMP STA. TO 307' W.
 TEMPLE TERRACE HWY. - 26 TH ST. TO 752.6' E.

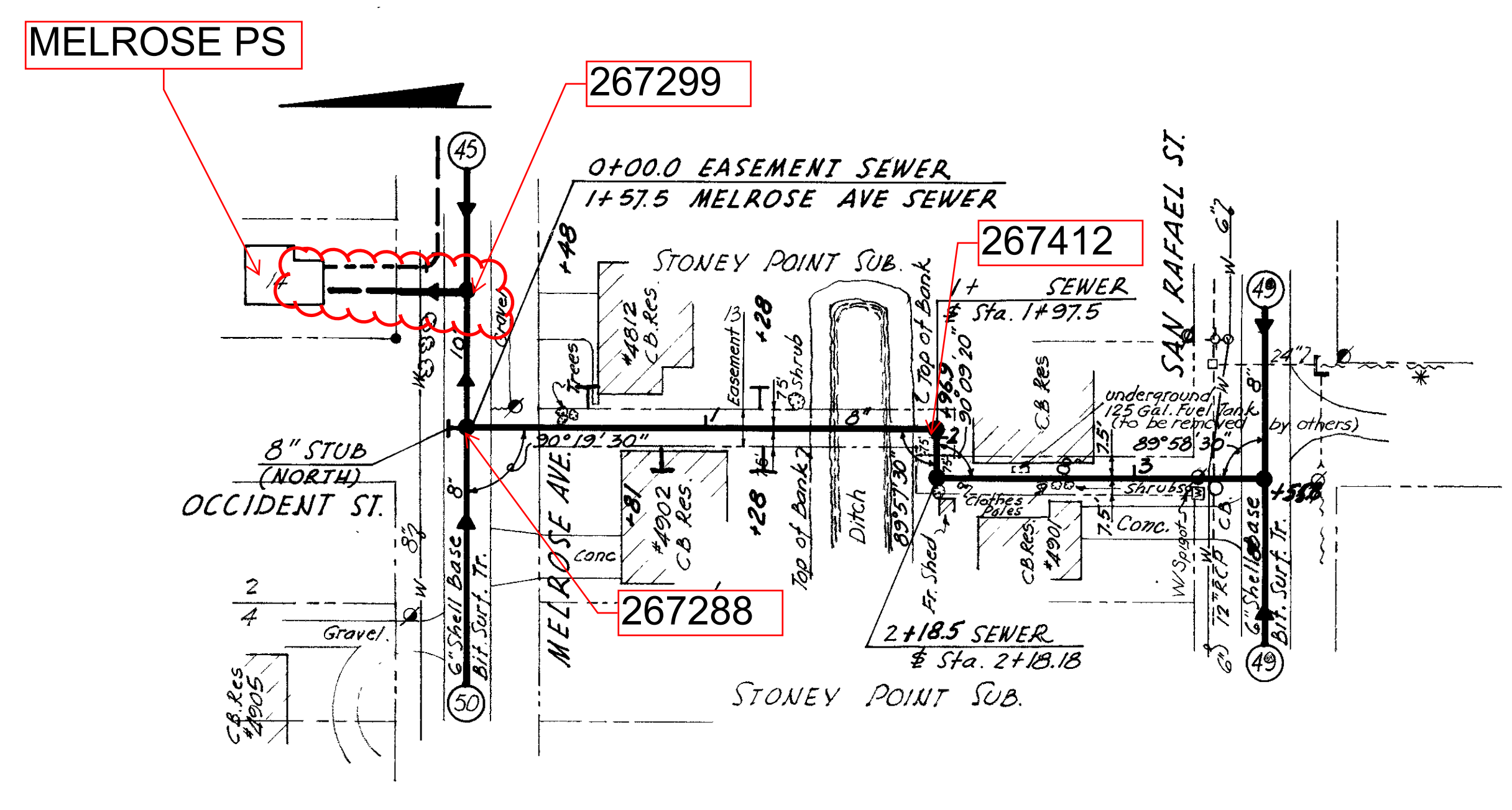
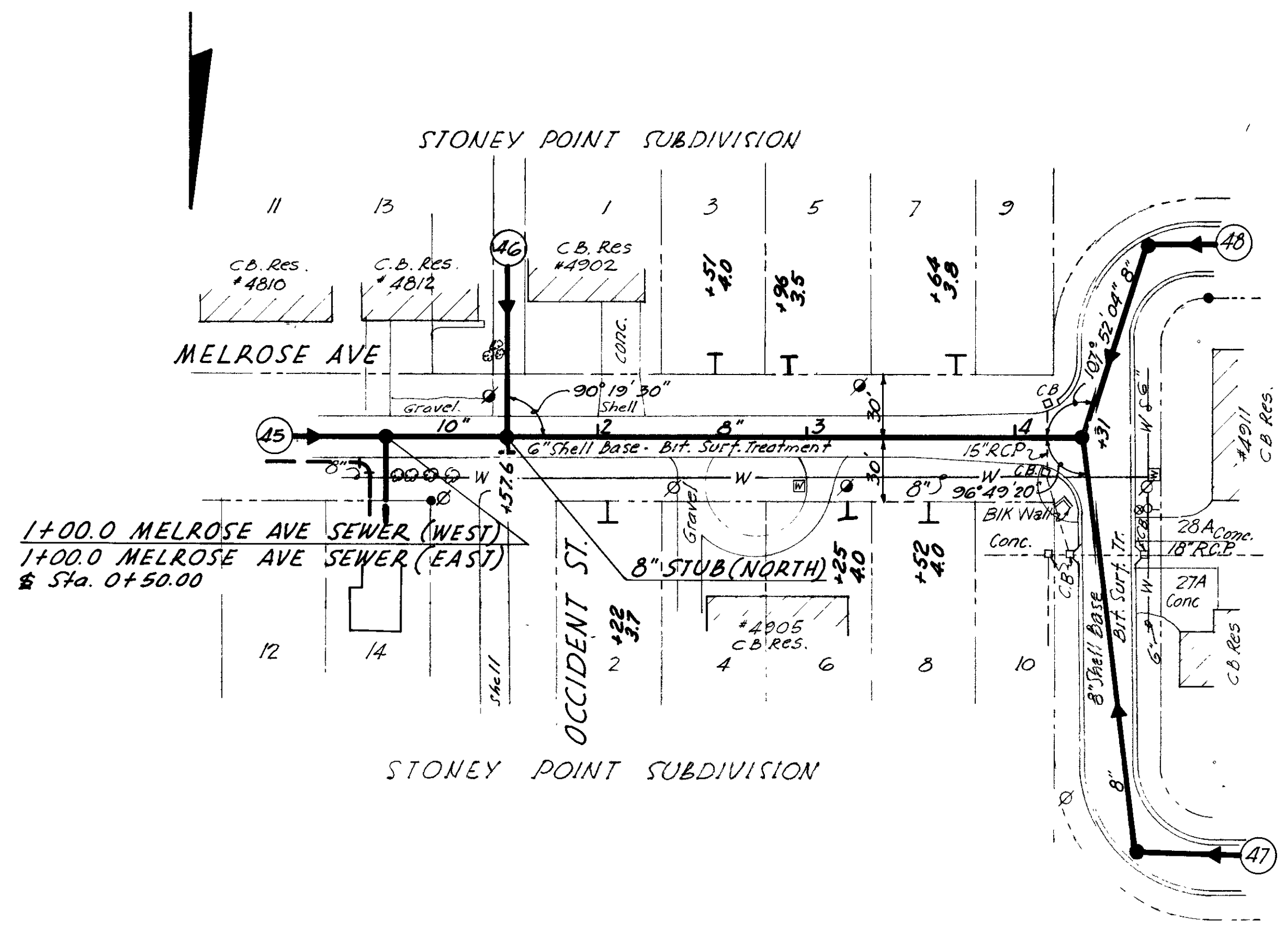
J.E. GREINER COMPANY - WIEDEMAN & SINGLETON ENGINEERS
 CONSULTING ENGINEERS ASSOCIATE ENGINEERS
 TAMPA, FLORIDA ATLANTA, GEORGIA

DES. J.E.G.
 DRN. J.E.G.
 C.D. J.E.G.
 SCALE 1"=20'
 DATE FEB. 64

PROJECT 19
DIVISION A
SUBDISTRICT A-8b

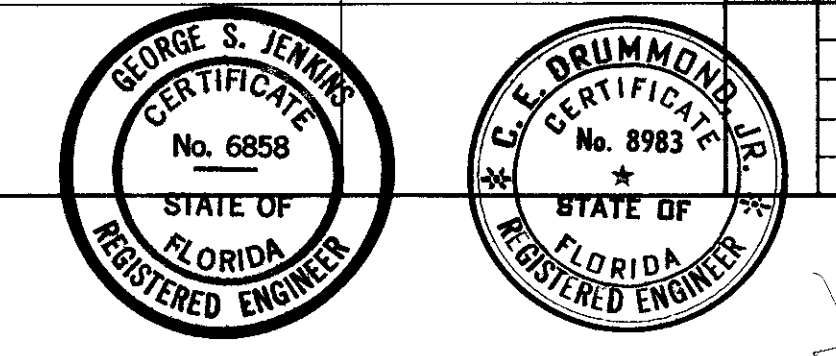
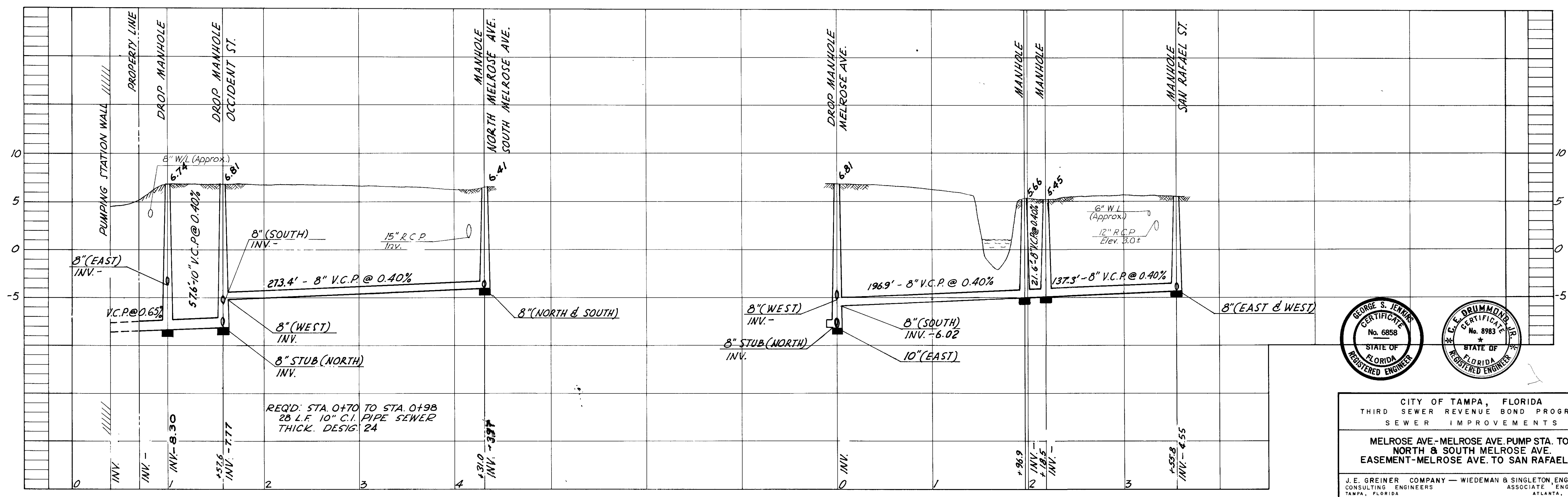
15
 OF 36

103-015



B. M. No. A-235
 R. R. Spike West Side
 20" Pine S. E. Cor.
 West Shore Blvd. &
 Estrella St.
 Elev. 6.328

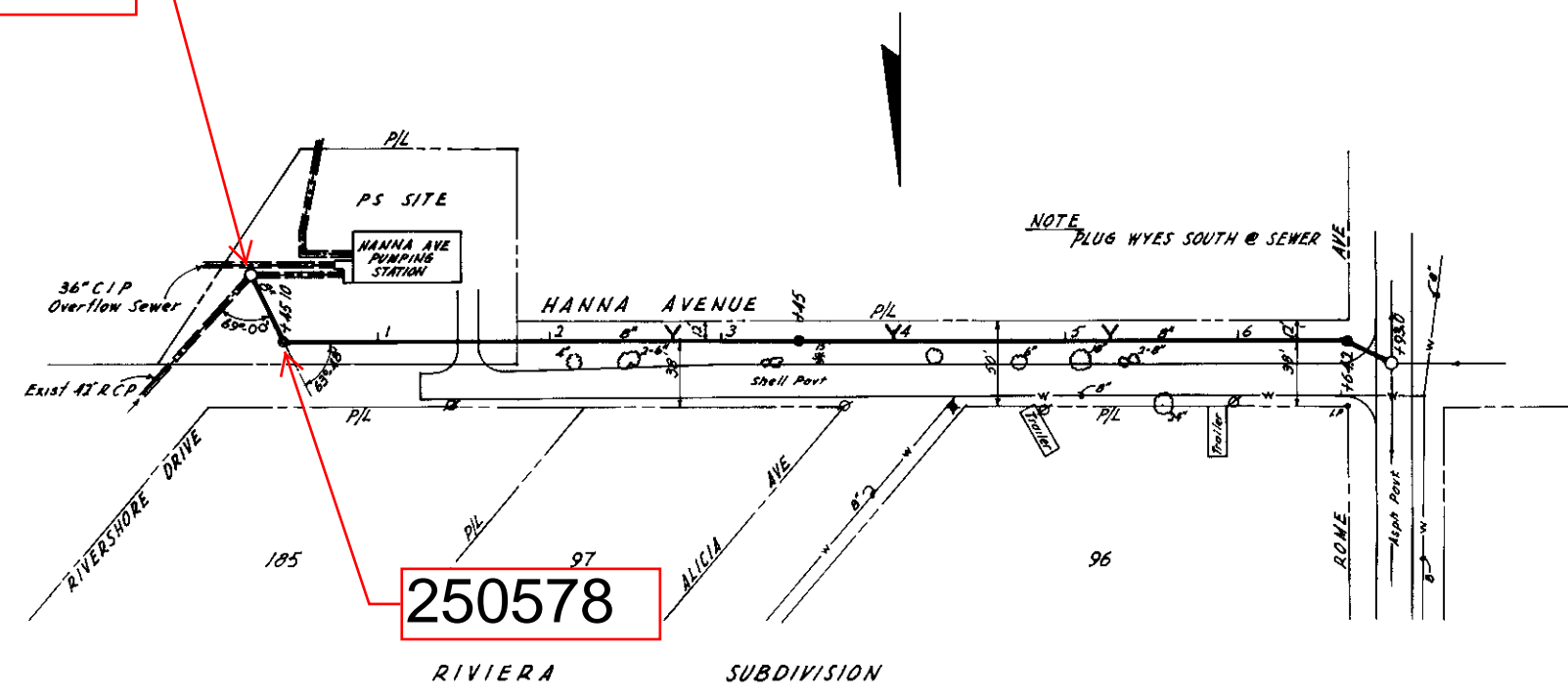
AS-BUILT PLAN
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION RECORDS
 AS OF 2-3-66 F.L.R. W.C.S.



CITY OF TAMPA, FLORIDA
 THIRD SEWER REVENUE BOND PROGRAM
 SEWER IMPROVEMENTS
 MELROSE AVE - MELROSE AVE PUMP STA. TO
 NORTH & SOUTH MELROSE AVE.
 EASEMENT - MELROSE AVE. TO SAN RAFAEL ST.
 J.E. GREINER COMPANY - WIEDEMAN & SINGLETON, ENGINEERS
 CONSULTING ENGINEERS ASSOCIATE ENGINEERS
 TAMPA, FLORIDA ATLANTA, GEORGIA
 DES. J.D.H.
 DRN. J.D.H.
 CKD. J.D.H.
 SCALE 1"=10'
 DATE MAR 64
 PROJECT 21
 DIVISION B
 SUBDISTRICT A-2
 SHEET
 46
 of 53

105-046

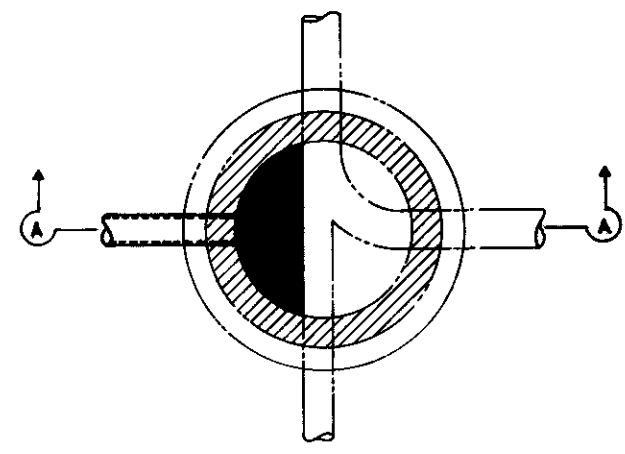
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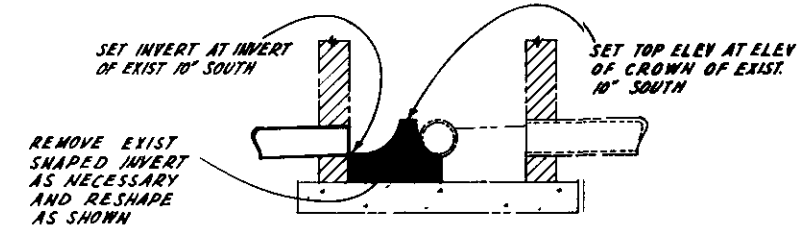
250578

RIVIERA SUBDIVISION

B.M. No 1-3
 Nail in 15\"/>



INVERT PLAN

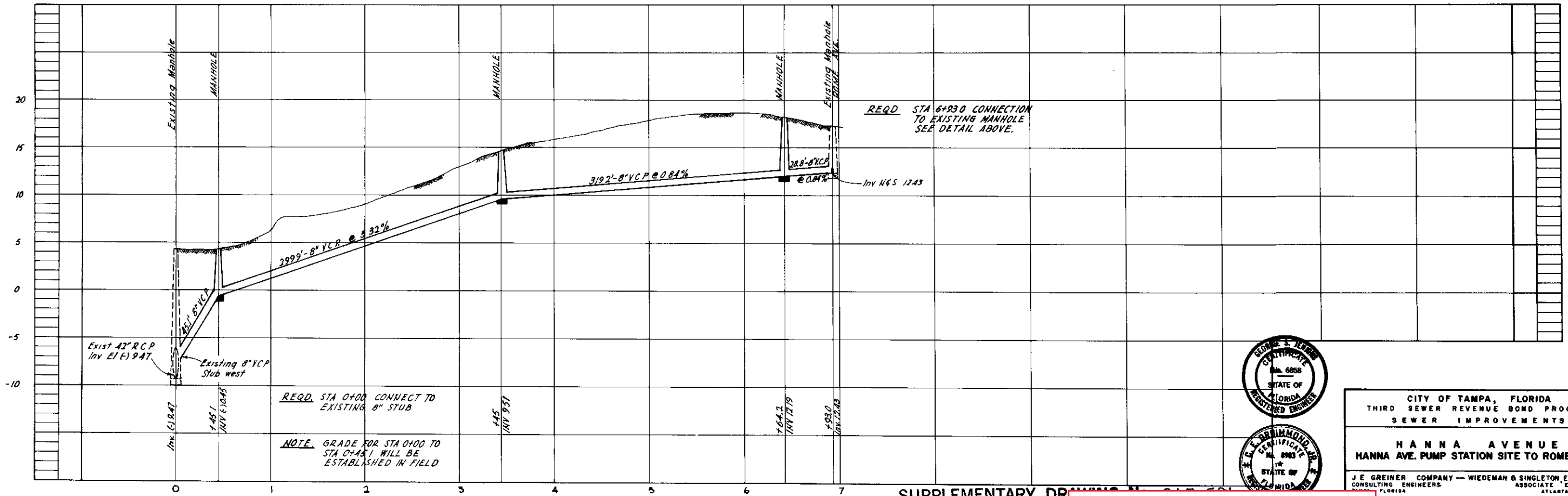


SECTION A-A

DETAIL OF PIPE CONNECTION - EXISTING MANHOLE

STA. 6+93.0

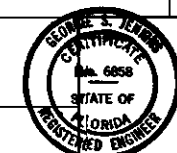
NO SCALE



REQD STA 6+93.0 CONNECTION
 TO EXISTING MANHOLE
 SEE DETAIL ABOVE.

REQD STA 0+00 CONNECT TO
 EXISTING 8\"/>

NOTE GRADE FOR STA 0+00 TO
 STA 0+45.1 WILL BE
 ESTABLISHED IN FIELD



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

HANNA AVENUE
 HANNA AVE. PUMP STATION SITE TO ROME AVE.

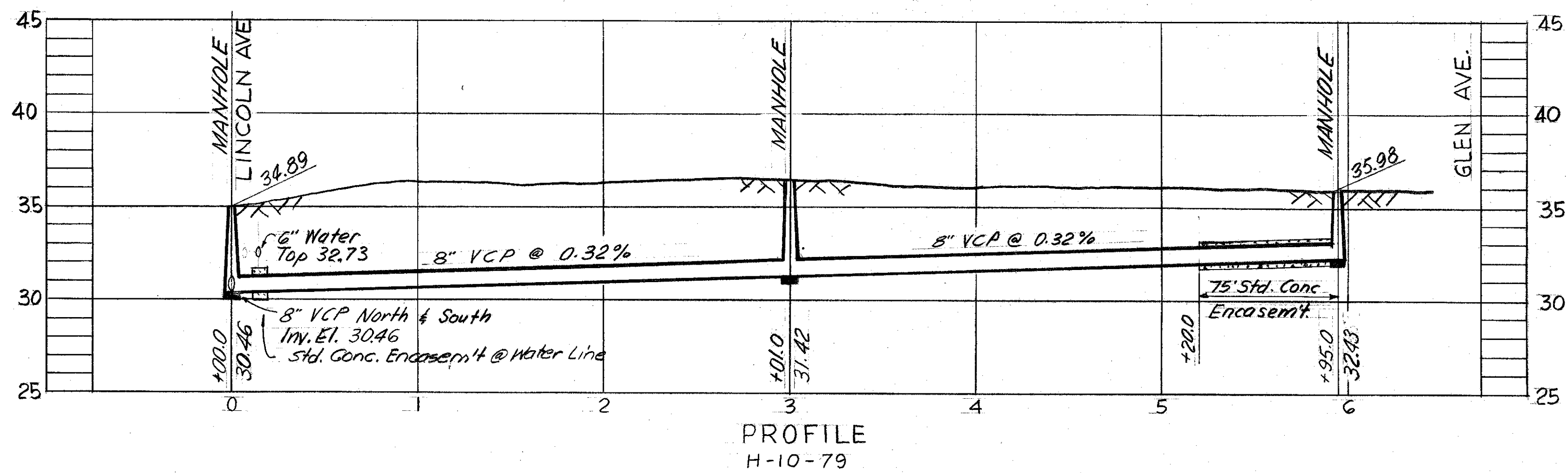
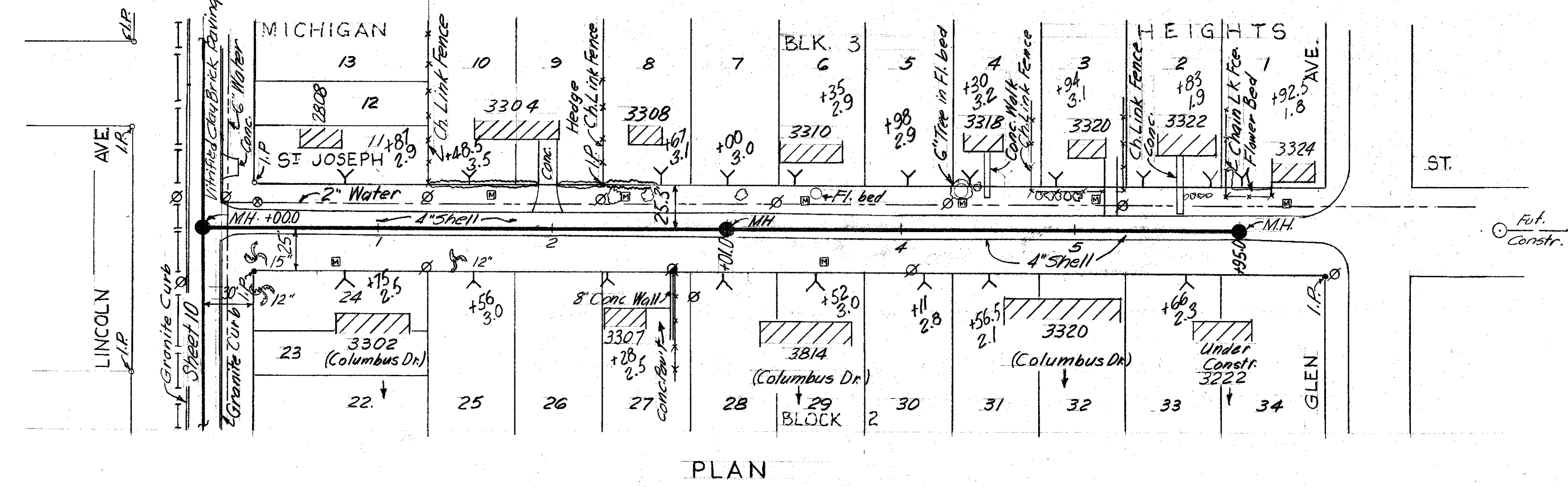
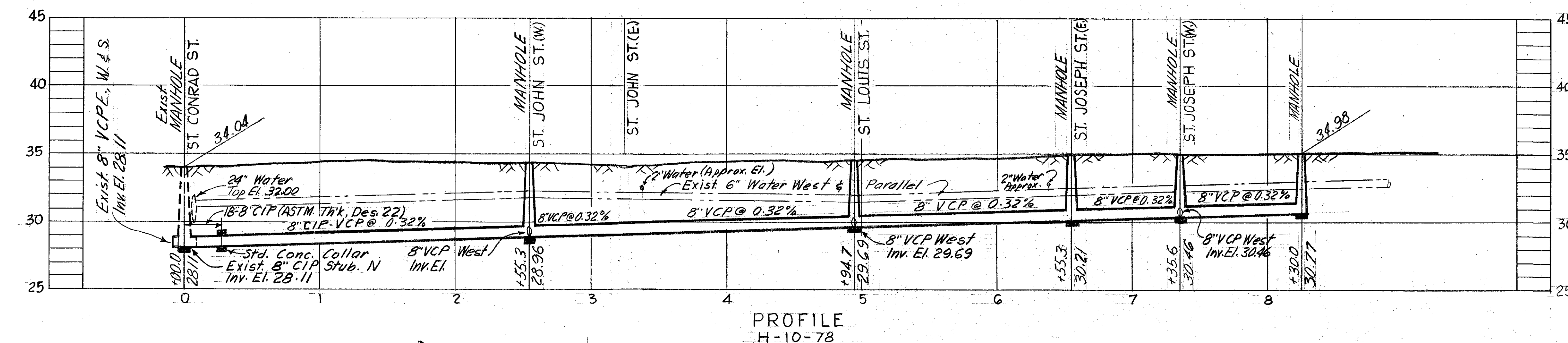
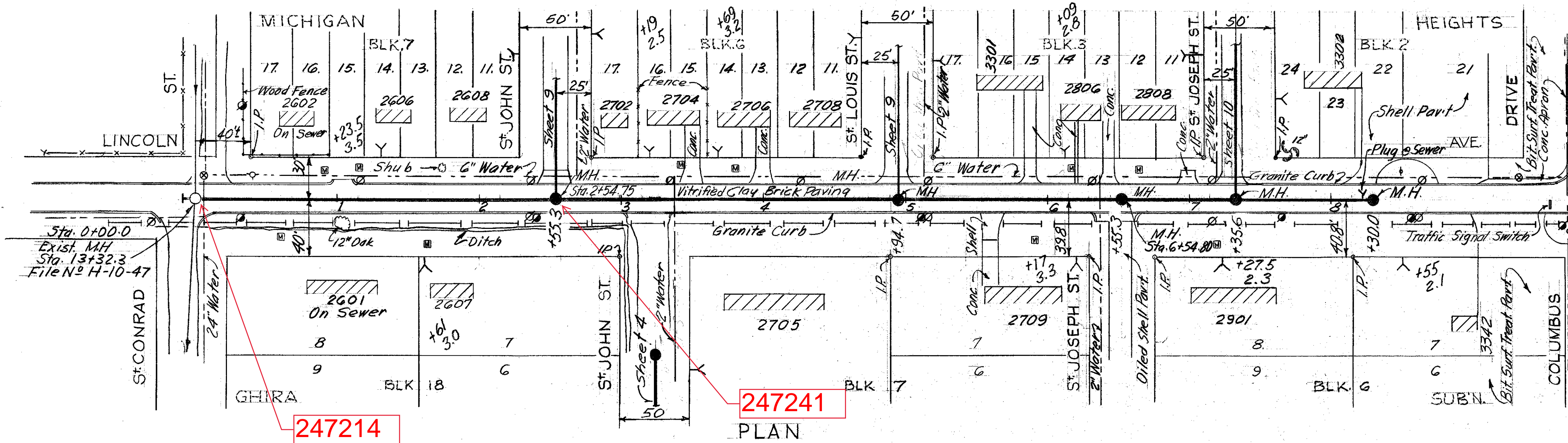
J.E. GREINER COMPANY — WIEDEMAN & SINGLETON ENGINEERS
 CONSULTING ENGINEERS ASSOCIATE ENGINEERS
 FLORIDA ATLANTA, GEORGIA

SUPPLEMENTARY DRAWING
 CONTRACT No. 98
 DATE ISSUED Sept. 1964

105-054

PROJECT 21
 DIVISION B
 SUBDISTRICT A-7d

SHEET
 21B-SD1
 of



- NOTES:
- 6" VCP House Connections from Main to R/W should be encased for houses N^o 3322, 3224 Glenn Ave. & 3222 Columbus Drive.
 - Datum: See Sheets 4 & 5 of 14.

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

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H - 10	78
H - 10	79

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

Design
W.O. 1728

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

LINCOLN AVE.: St. Conrad St. to Columbus Dr.
ST. JOSEPH ST.: Lincoln Ave. to Glen Ave.

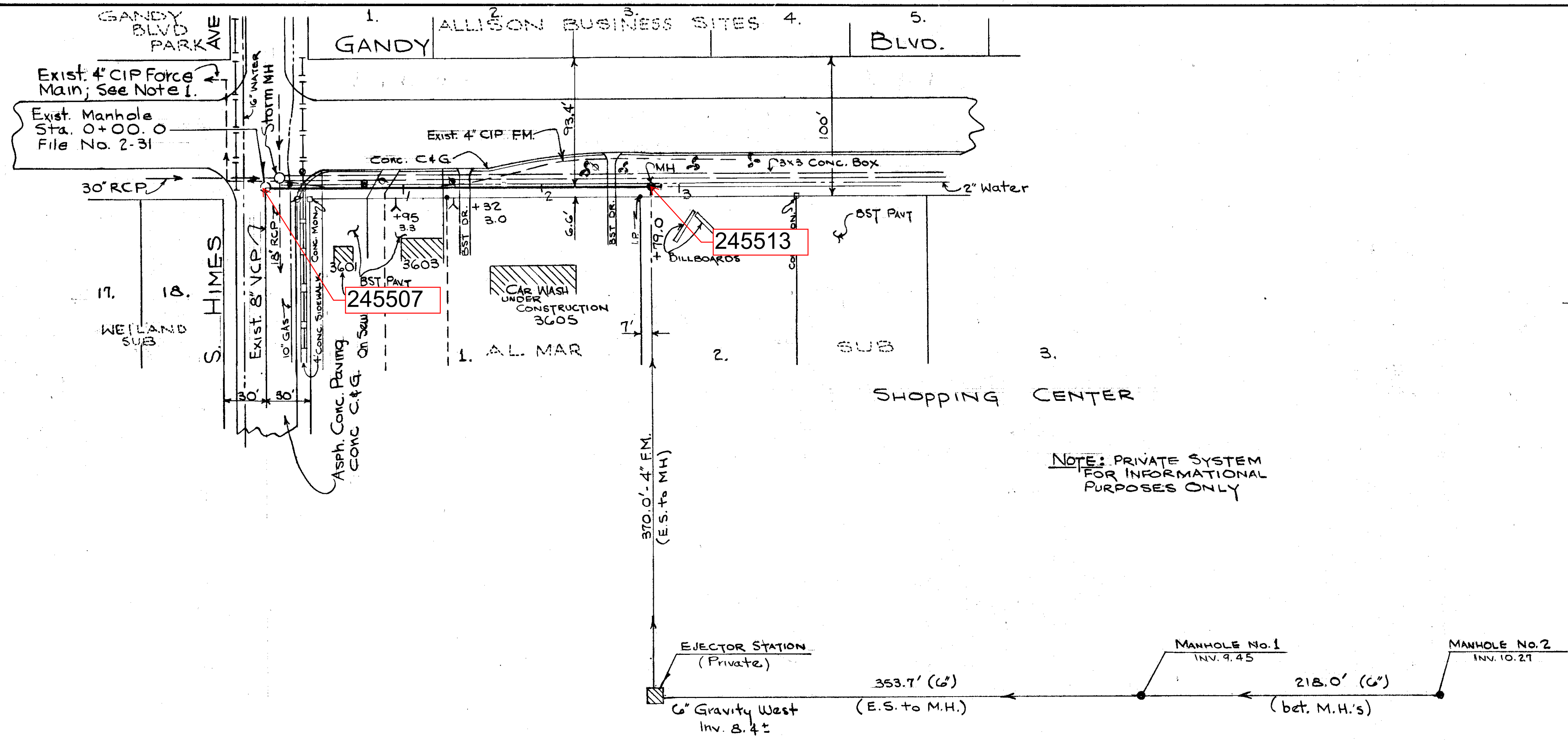
DES: JMR
DRN: JMR
CKD: CMT
Date:
MAY 1966

50 0 SCALE: 50 100
1" = 50'

Drainage Subdistrict A-6

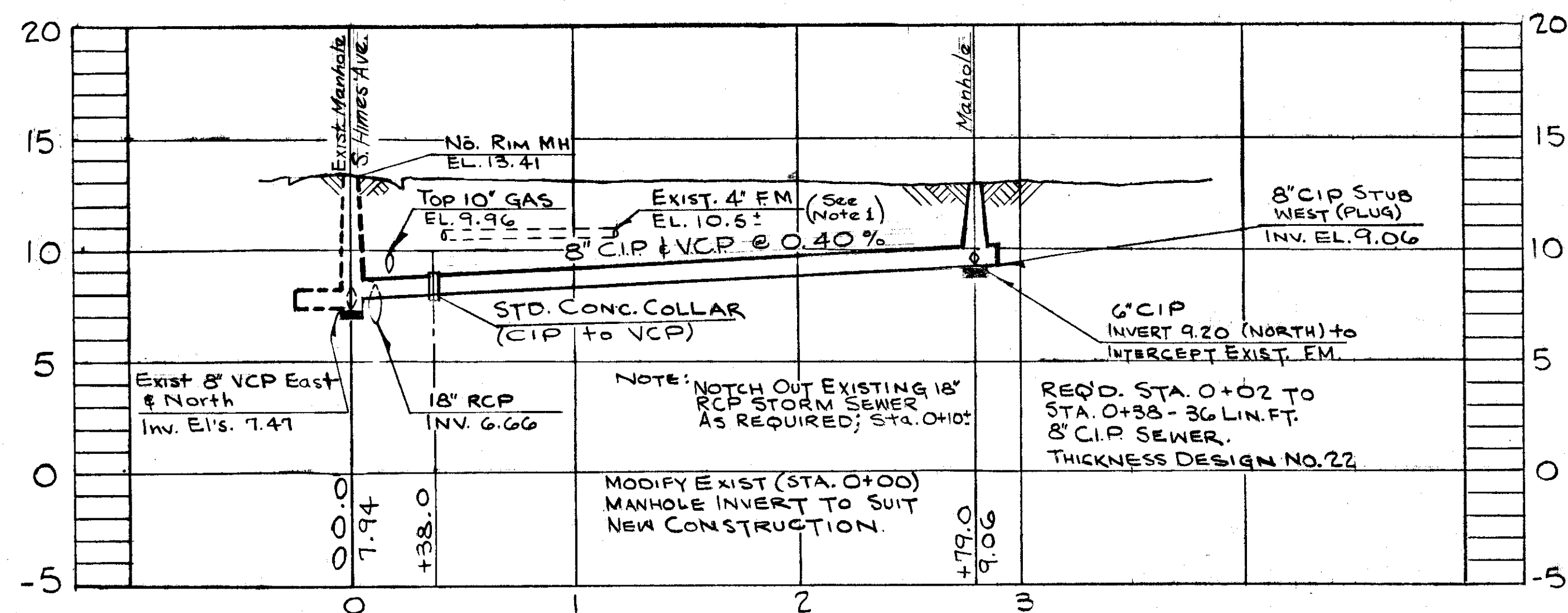
SHEET
10

110-010



PLAN

DATUM: B.M. A-95 @ ELEV. 13.259
 CUT @ SOUTHERN MOST TIP
 SIDEWALK @ N.E. COR.
 GANDY AND HIMES



PROFILE

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

NOTES:

1. Exist. 4" CIP Force Main Within Gandy Blvd. R/W East From MH (Sta. 2+79) shall be Abandoned.
2. Datum: B.M. A-95; El. 13.259 @ Cut @ Southern Most Tip Sidewalk @ N.E. Cor. Gandy Blvd & Himes Ave.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
L-9-28	

R&R62 W.O. 2137

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS

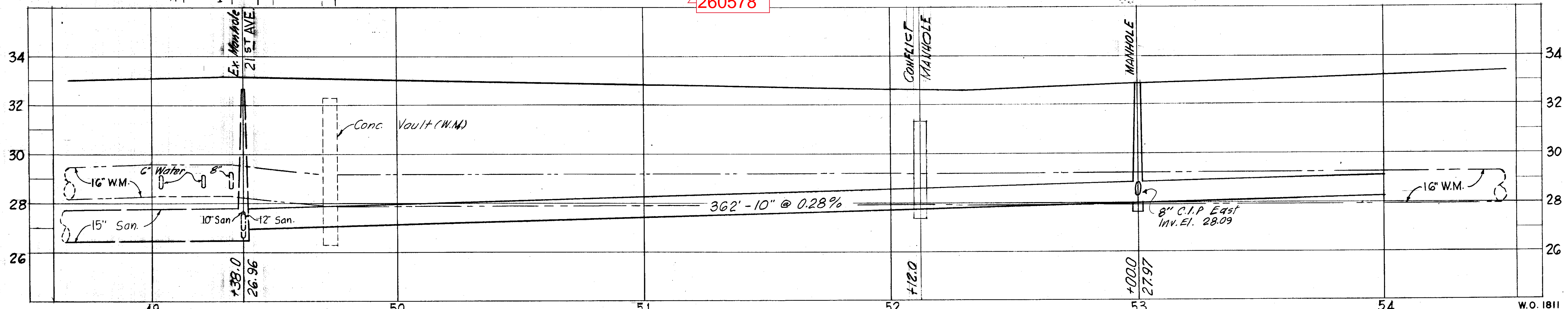
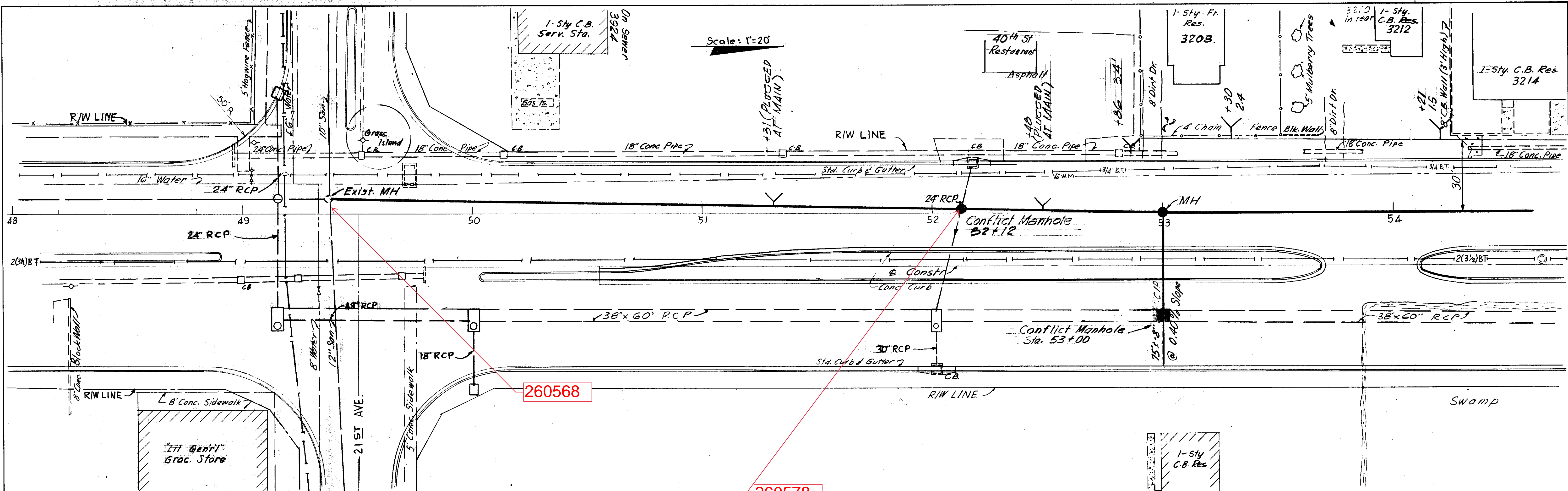
GANDY BLVD.: S. HIMES AVE. TO WEST 279'

DES: G.N.
 DRN: G.N.
 CKD: C.T.
 DATE: MAY 1969

SCALE 1" = 50'

SHEET 14

Drainage S 113-029



SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
G - 15	18

NOTE
 DATUM FOR SANITARY SEWERS
 REFER TO U.S.C. & G.S.

CITY OF TAMPA, FLORIDA
 DEPARTMENT OF SANITARY SEWERS

SEWER EXTENSIONS

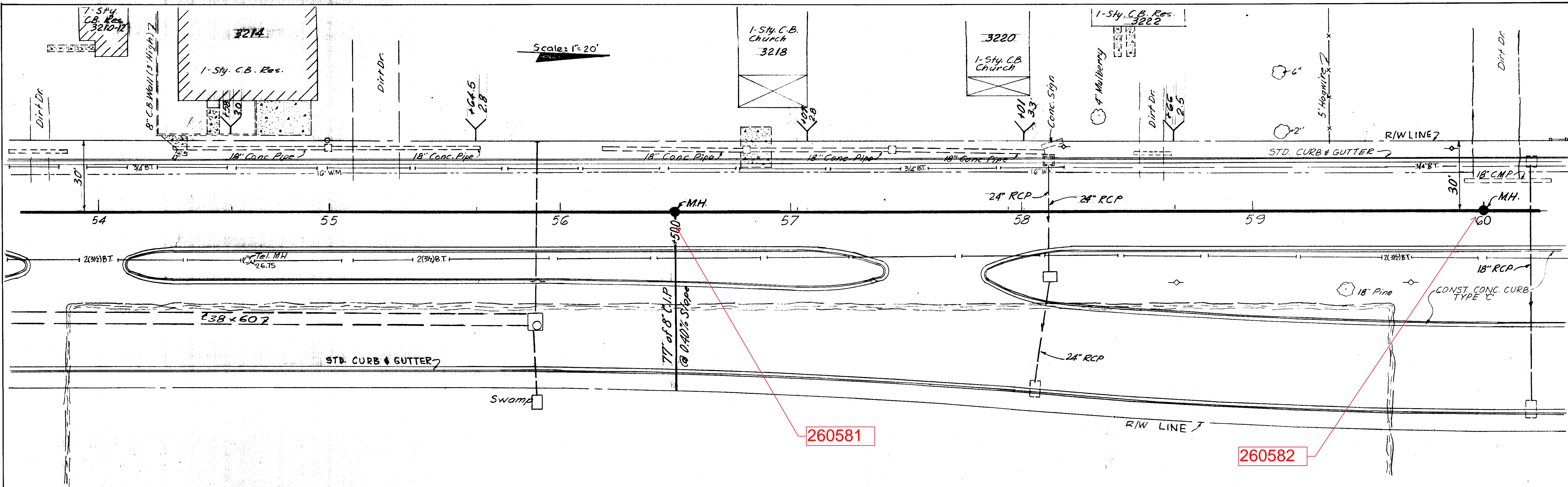
SANITARY SEWER CONSTRUCTION
 SECTION 10510 - 3606
 STATE ROAD S-585-A (40TH ST.)
 STA. 49+00.0 TO STA. 54+00.0

DES: ECA
 DRN: JMR
 CKD: ECA
 DATE:
 SEPT. 1986

SCALE:
 20 0 20 40
 1" = 20'

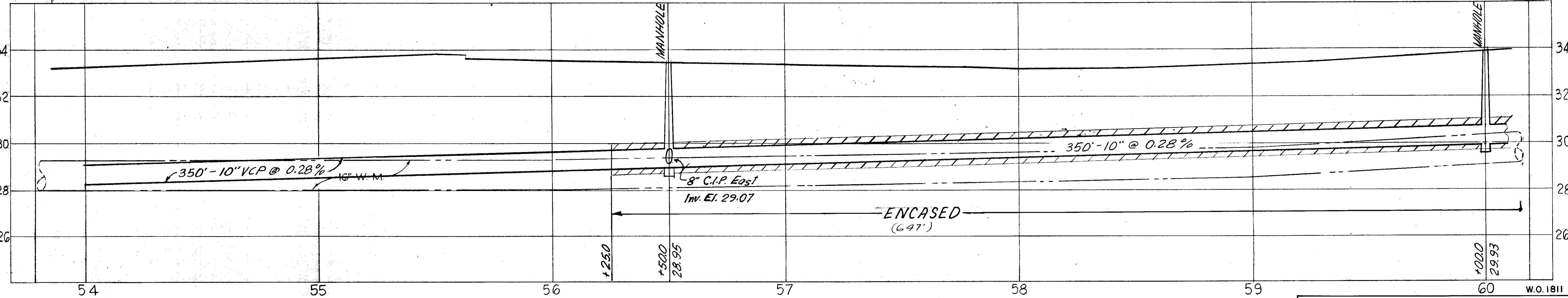
SHEET
 2

114-027



260581

260582



CITY OF TAMPA, FLORIDA
 DEPARTMENT OF SANITARY SEWERS
 SEWER EXTENSIONS

SANITARY SEWER CONSTRUCTION
 SECTION 10510 - 3606
 STATE ROAD S-585-A (40TH ST.)
 STA. 54+00.0 TO STA. 60+00.0

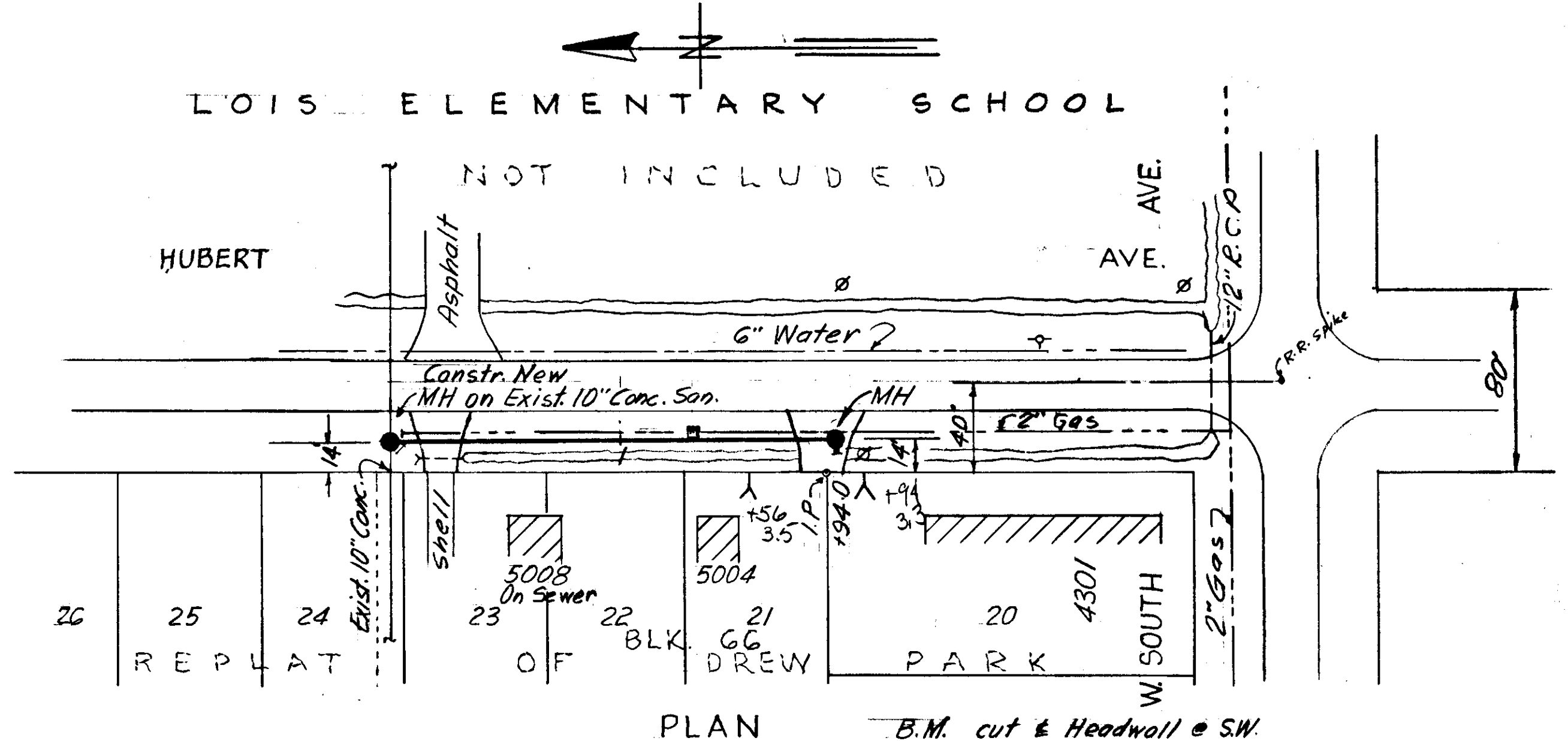
DES: ECA
 DRN: JMR
 CKD: ECA
 DATE: SEPT. 1968

SCALE:
 20 0 20 40
 1" = 20'

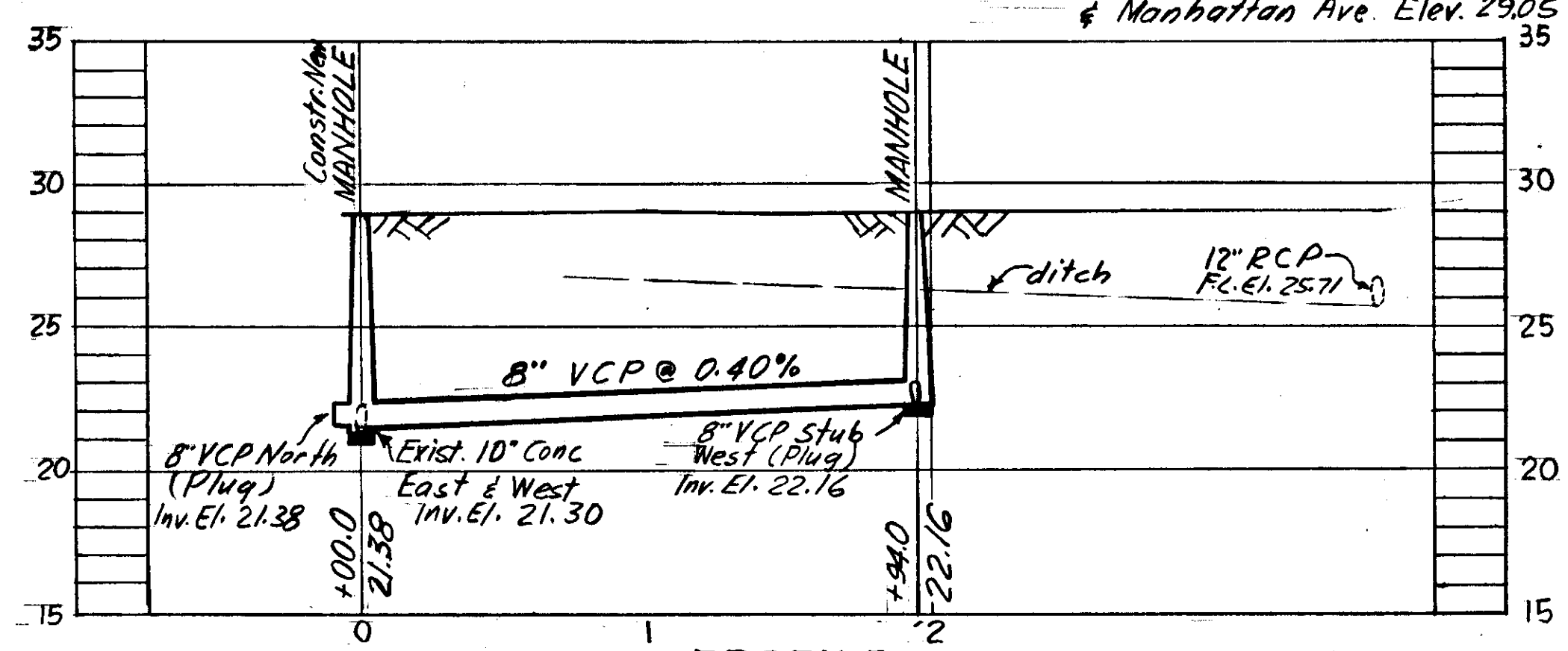
SHEET
3
 OF 11

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
G - 15	19

114-028

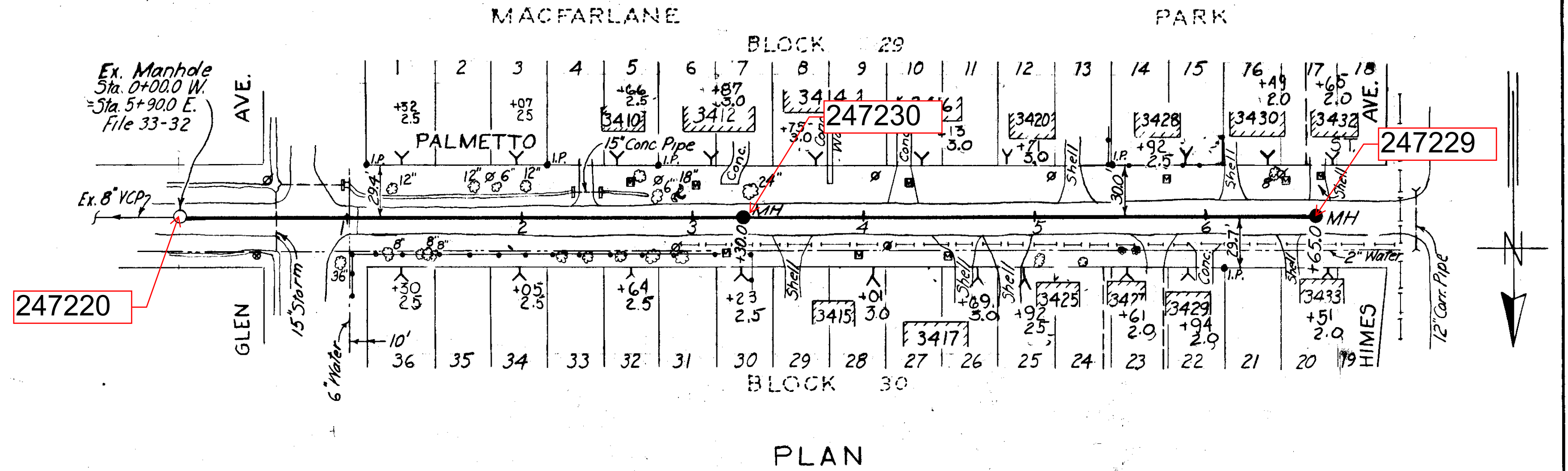


PLAN
B.M. cut & Headwall @ SW corner of W. South Ave & Manhattan Ave. Elev. 29.05

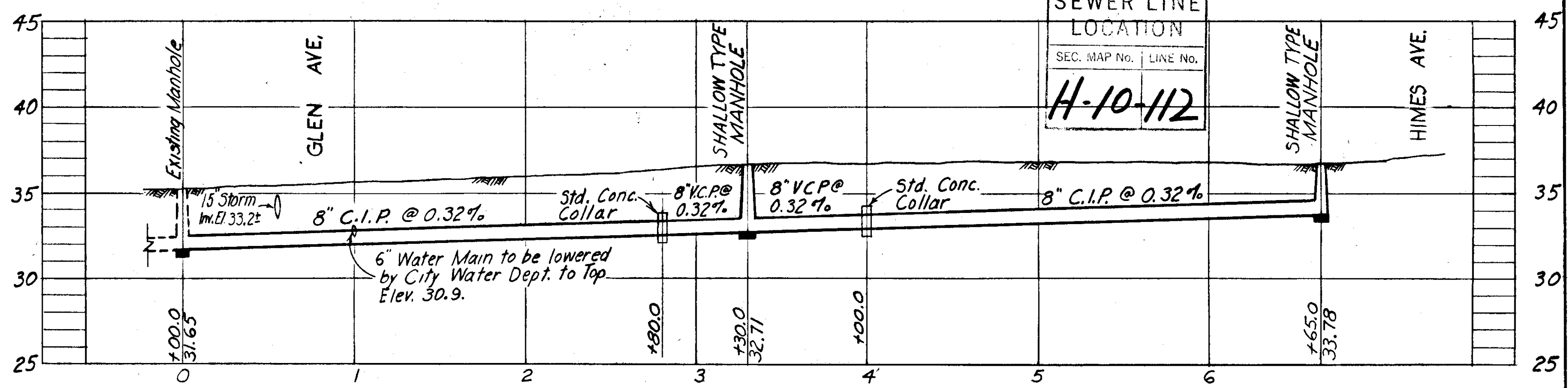


PROFILE
W.O. No. 2056

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
F-9-25	



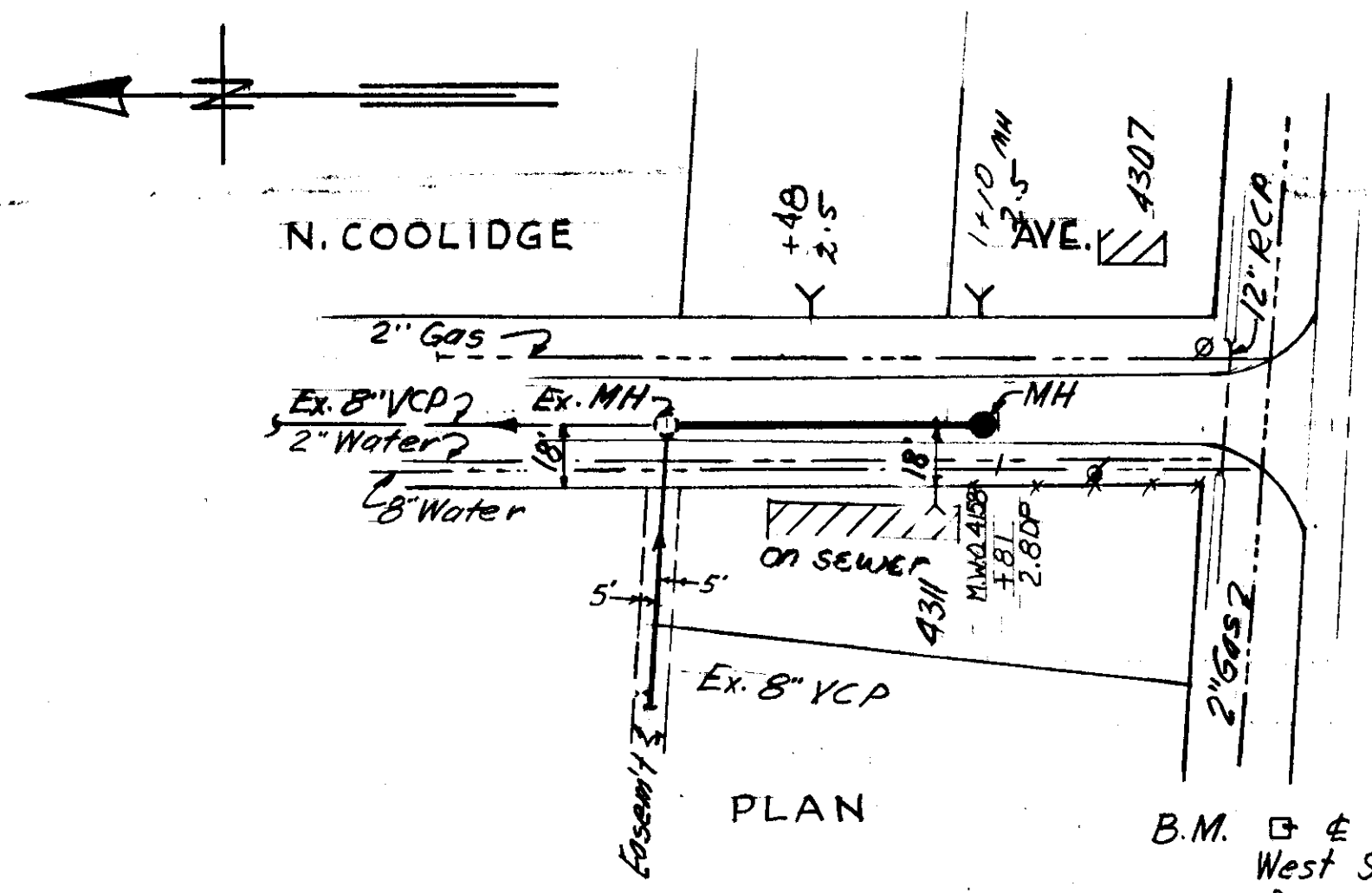
PLAN



PROFILE
W.O. No. 2074

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
H-10-112	

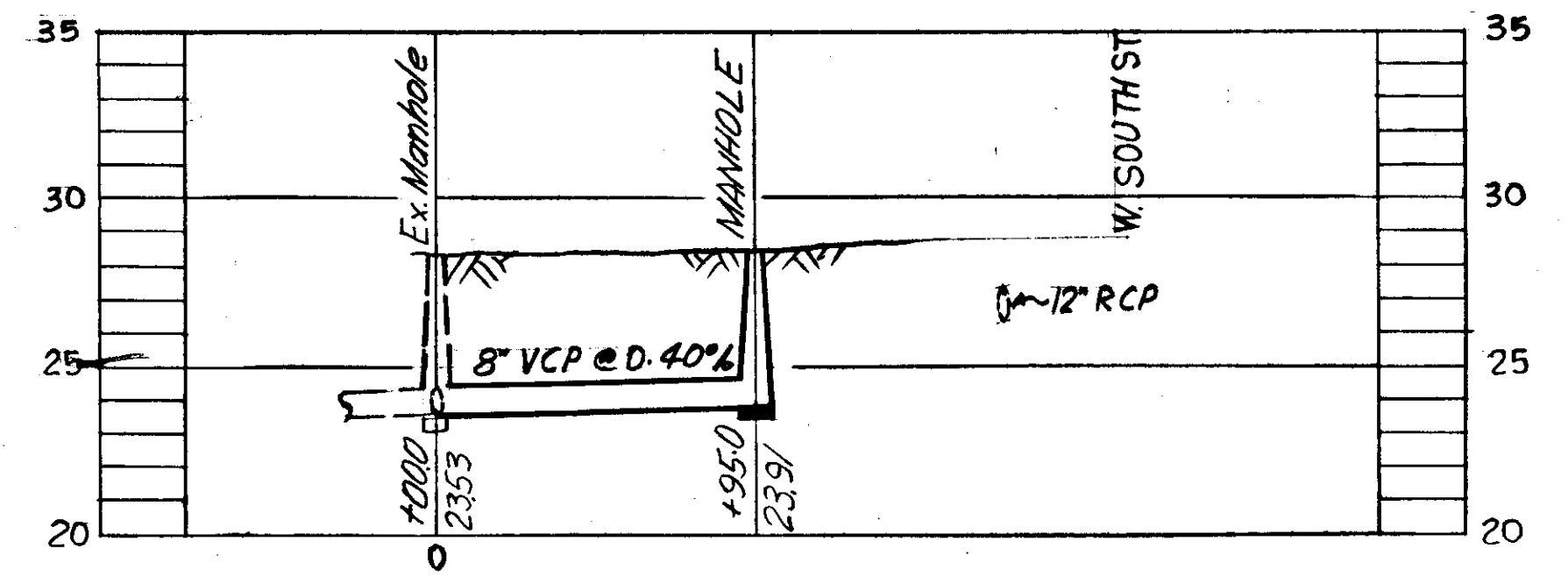
NOTES:
B.M. A-396 - Elev. 35.070
cut on NW. cor. Conc. driveway, at SE. cor. Lincoln Ave & Conrad St. (2505 Lincoln Ave.)



PLAN

B.M. cut & Headwall @ S.W. Cor. West South Ave & Manhattan Ave. Elev. 20.09

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
F-9-24	



PROFILE
W.O. 2056

R & R 61 W.O. 2056, & 2074

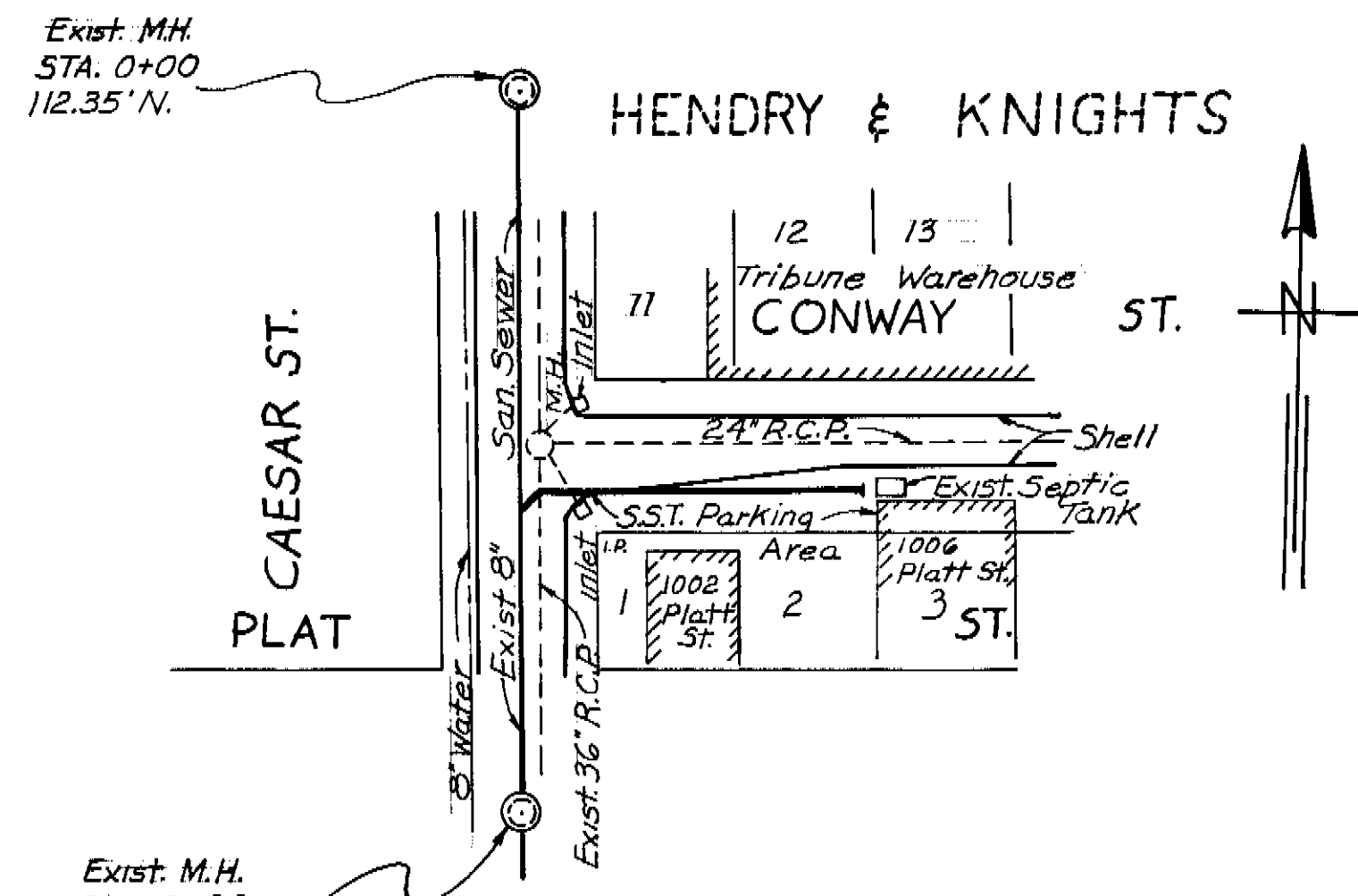
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

N. HUBERT AVE.: Pt. N. of West South Ave. to S. PALMETTO ST.: Glen Ave. to Himes Ave.
N. COOLIDGE AVE.: Pt. N. of West South Ave. to S.

DES: DRN: CKD: DATE: 1988

50 0 SCALE: 50 100 SHEET

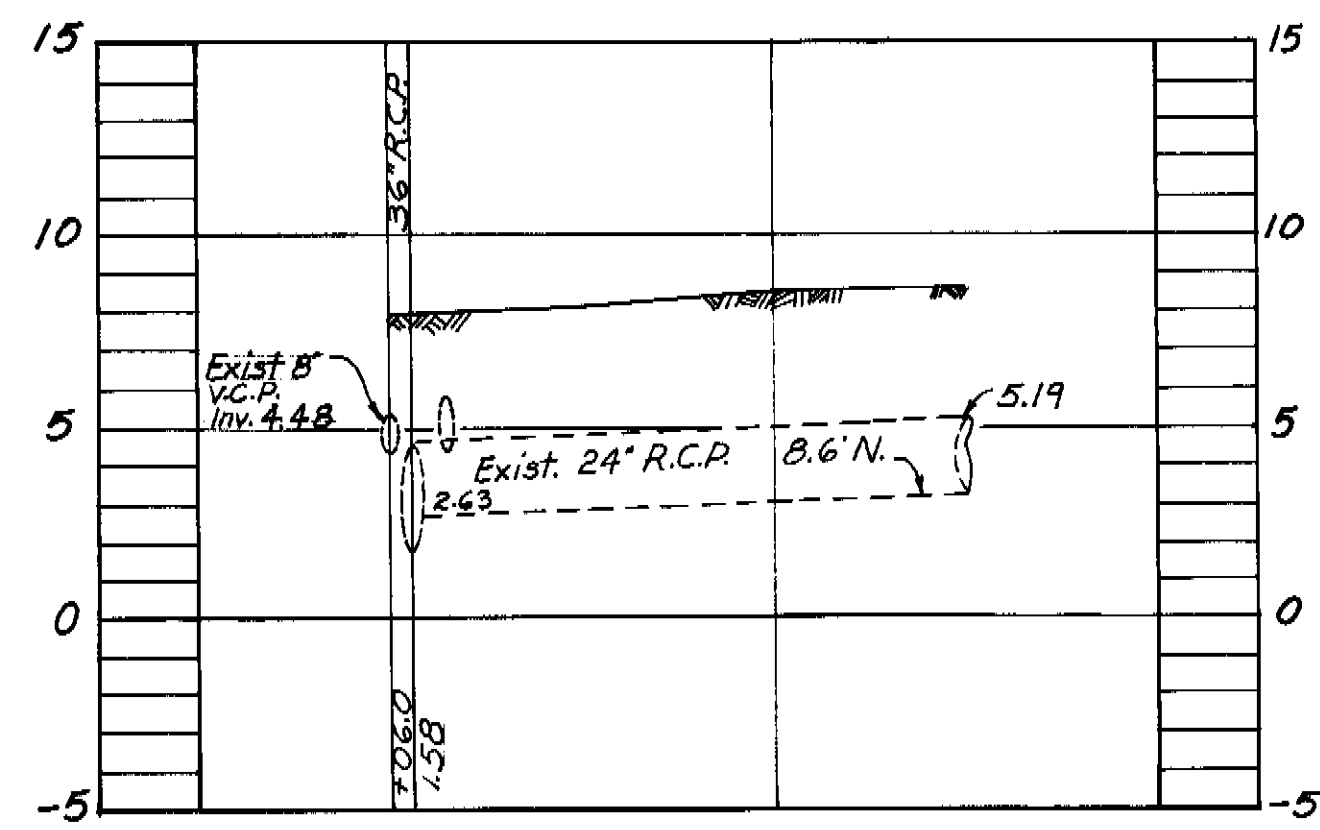
1" Drainage **119-001**



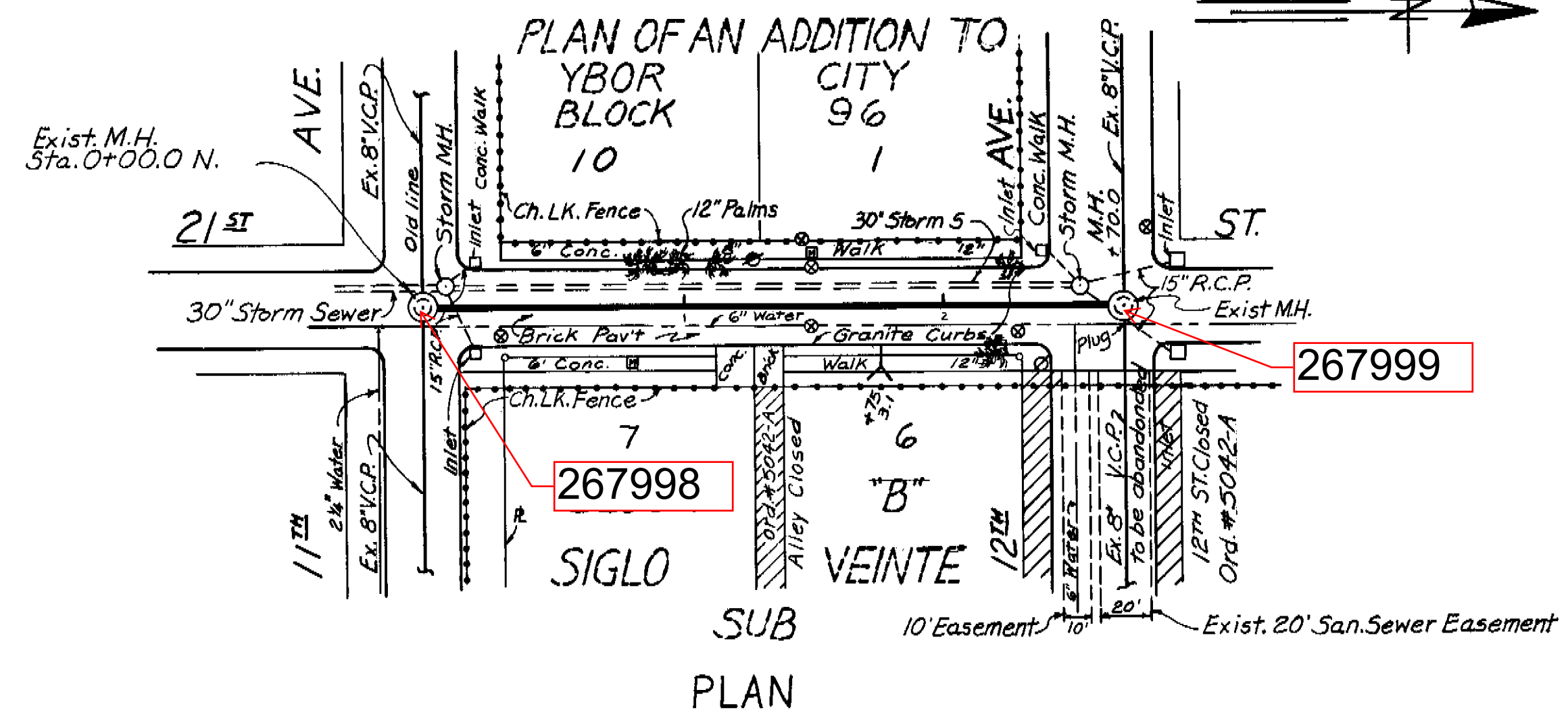
Exist. M.H.
Sta. 0+00
97.15' S.

PLAN

Note:
City B.M.#7 Elev. 13.02
Desc. \square On Sidewalk N.E.
Cor. Nebraska Ave. &
Ellamae Ave.

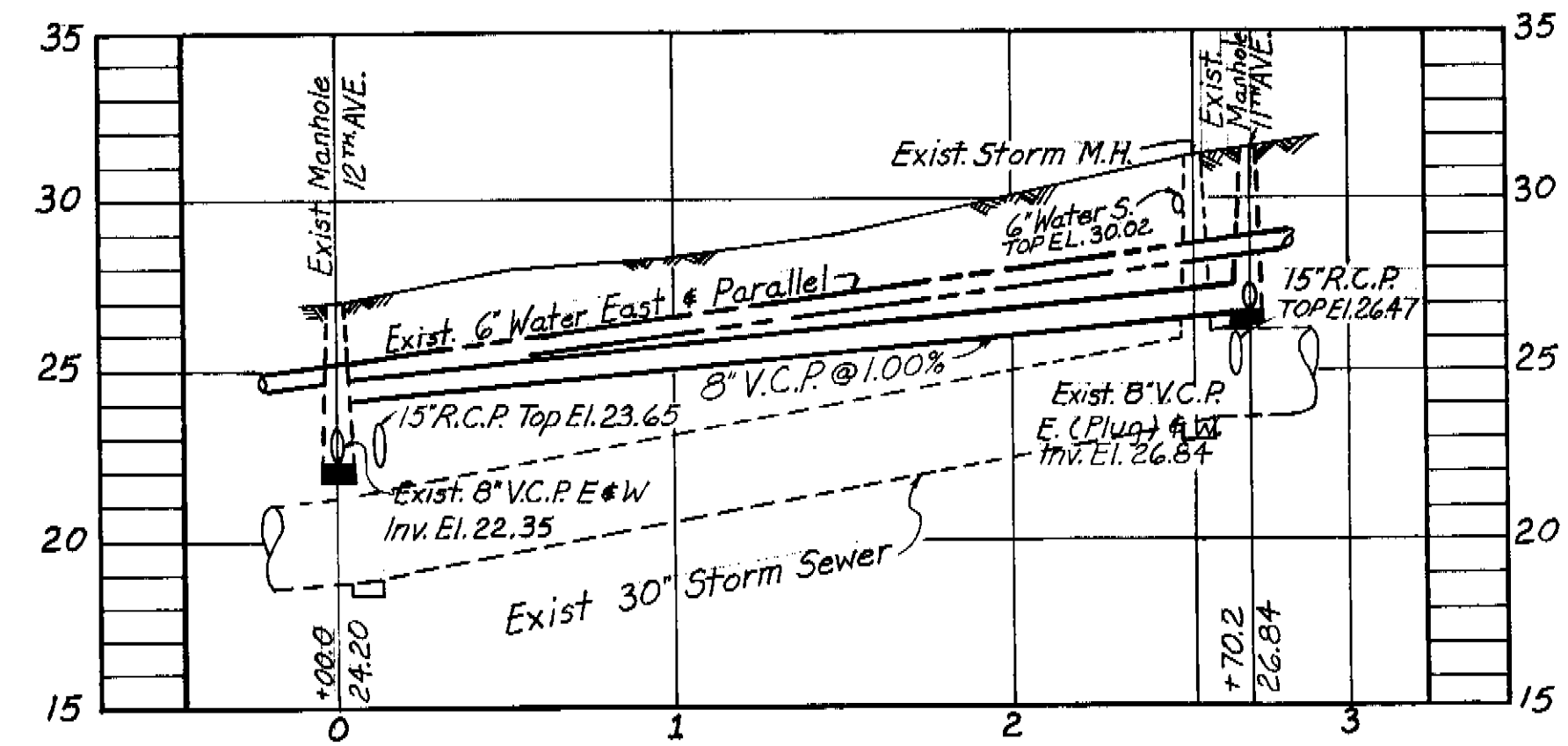


PROFILE W.O. 2315



Exist. M.H.
Sta. 0+00.0 N.

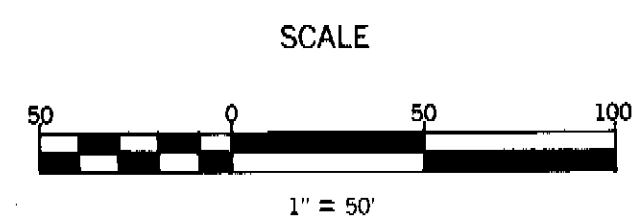
SUB PLAN



PROFILE W.O. 2331

B.M.# 673 Elev. 25.26
Approx. Location, Sidewalk
N.E. Corner 20th St. & 10th Ave.

DES: DRN: R.G. / W.A. CKD: J.R. / DATE: NOV. 1971	APPROVED BY J.W. SILLIMAN, 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>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																				



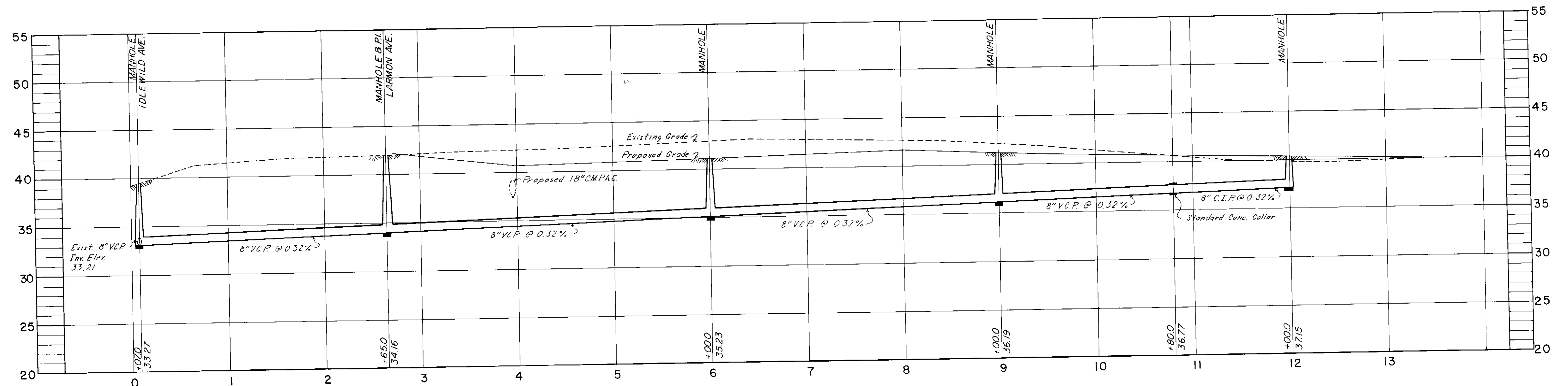
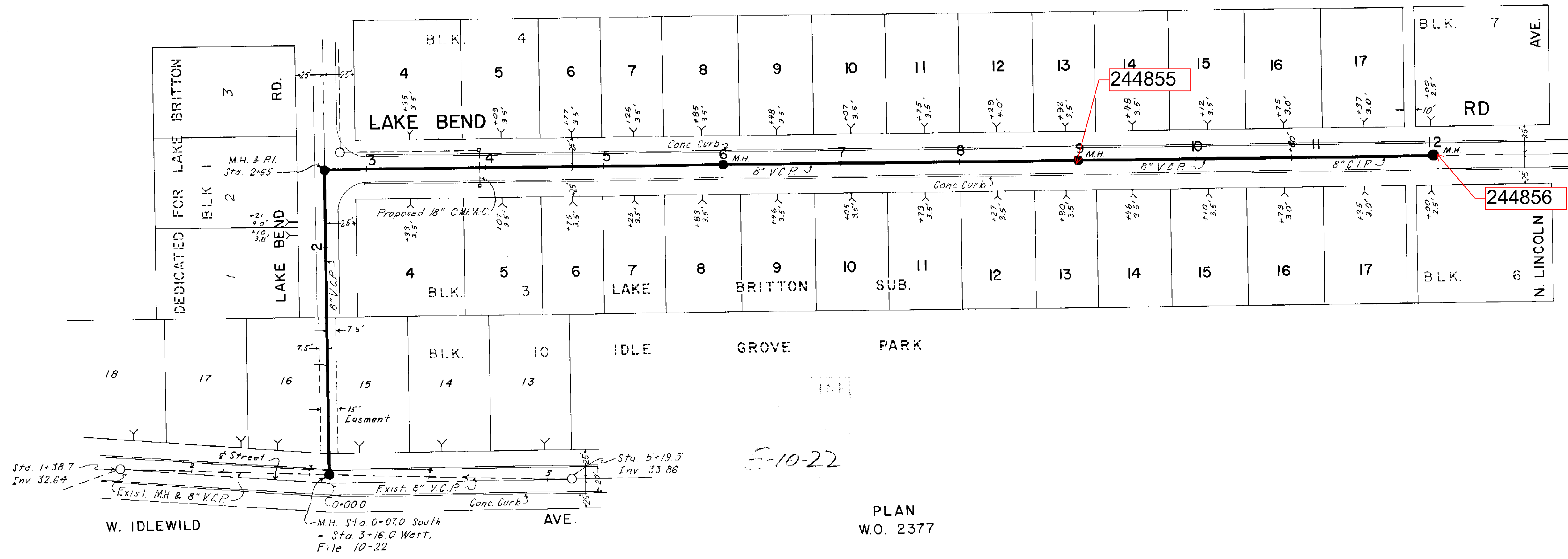
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENT

21ST STREET: 11th Avenue to 12th Avenue.
CONWAY ST: Caesar St. East 150'

SHEET

122-002

DRAWING 44-132-299-17



CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS

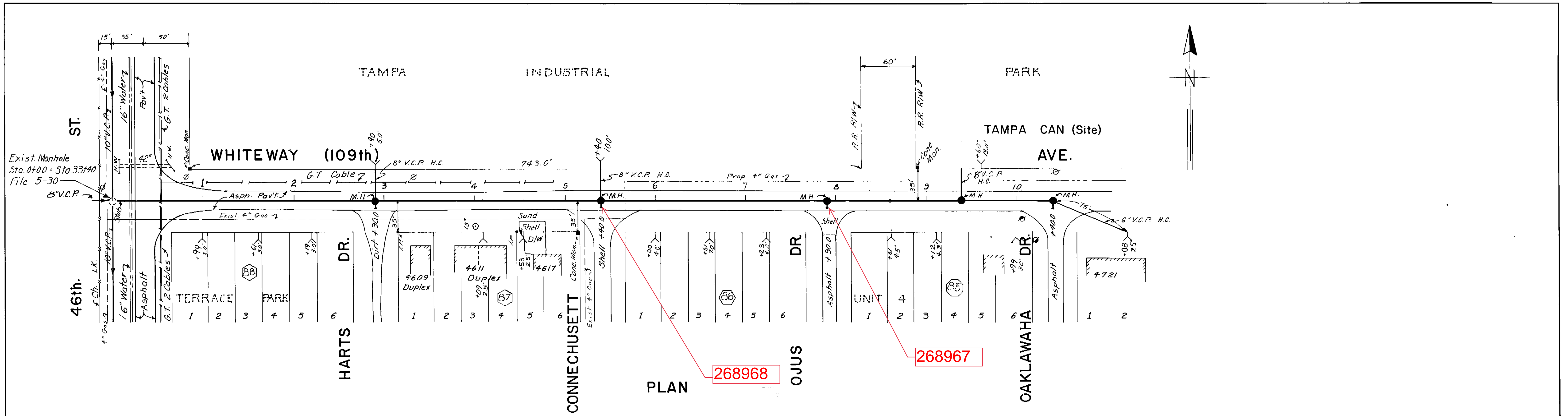
LARMON AVE. N. LINCOLN AVE. TO
 LAKE BEND RD., NORTH
 265'

DES: M.J.A.
 DRN: RGH.
 CKD:
 DATE
 JUN. 1972

SCALE:
 1" = 50'

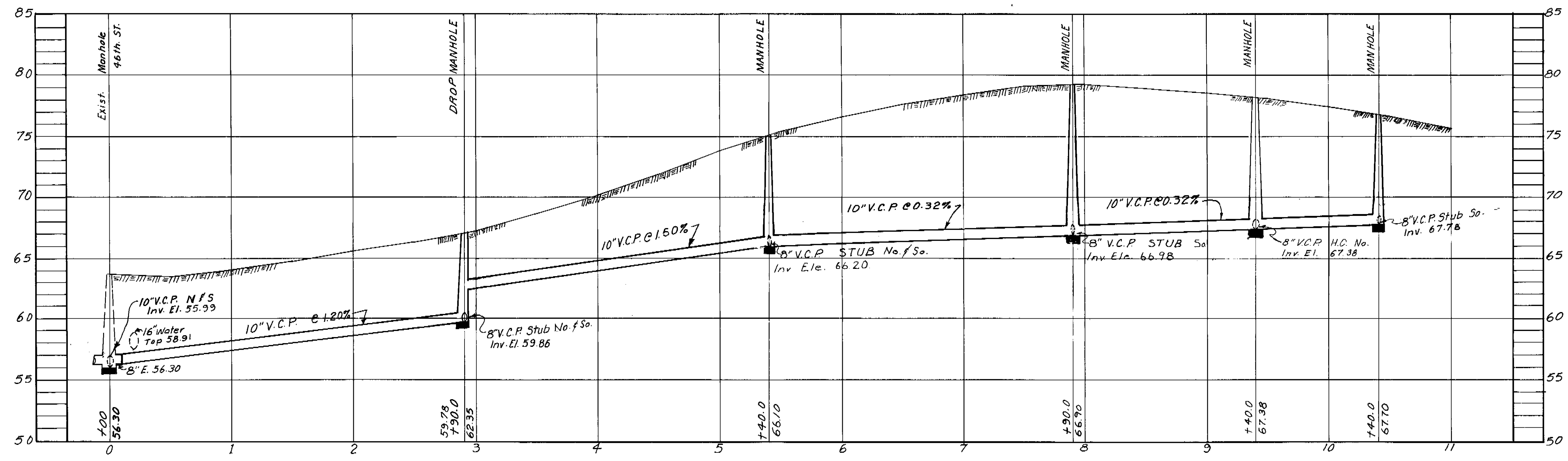
SHEET
 122-46
 OF

122-046



PLAN 268968

B-15-7



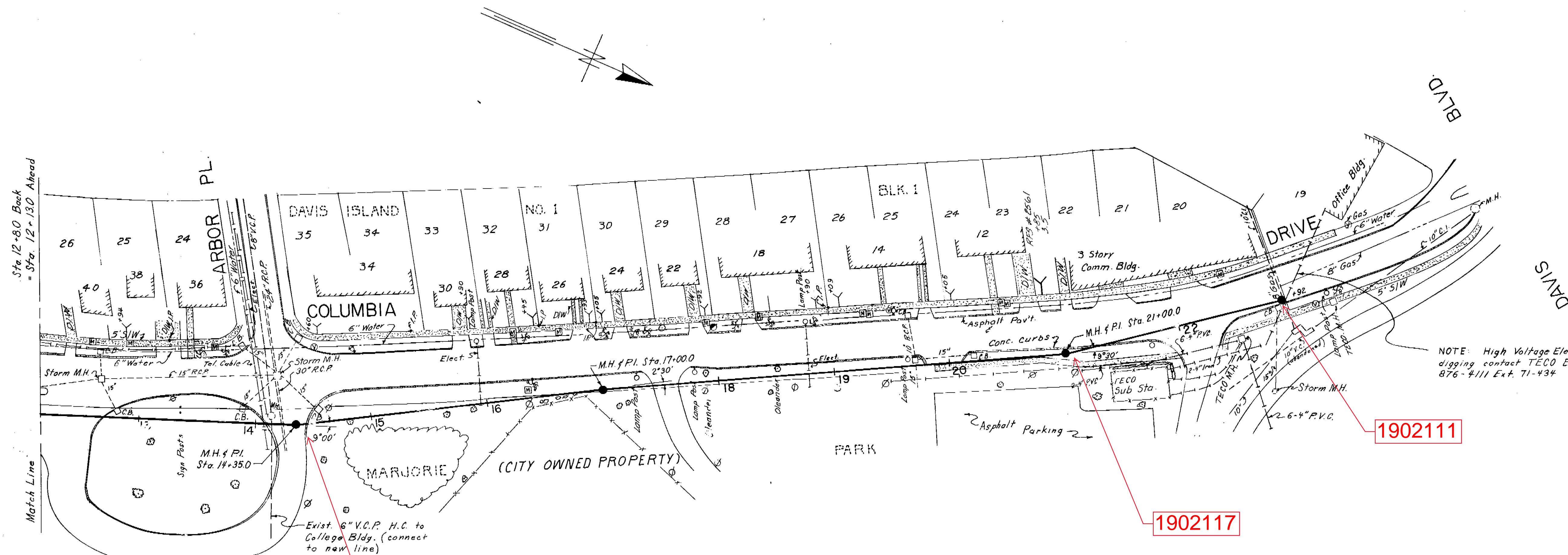
PROFILE
W.O. 2369

B.M. # 1528, Elev. 58.462
46th ST., 25' N. of Seneca
ST. W. side, entrance walk
N.E. corner.

CITY OF TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENTS		
WHITEWAY (109th) AVE.: 46th Street to Oaklawaha Ave.		
DES. J.M.R. DRN. R.G. CKD. E.S. DATE: MAY 1972	SCALE: 50 0 50 100 1" = 50'	SHEET OF

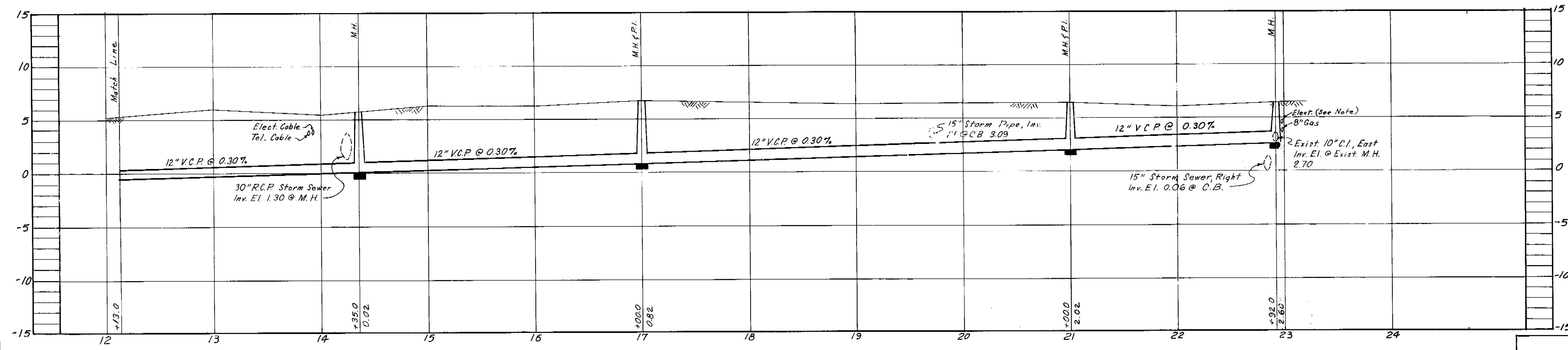
Revised, July 31, 1972, to
show house connections.

122-051



NOTE: High Voltage Elect. Line, prior to digging contact TECO Engineering Div., Call 876-4111 Ext. 71-434

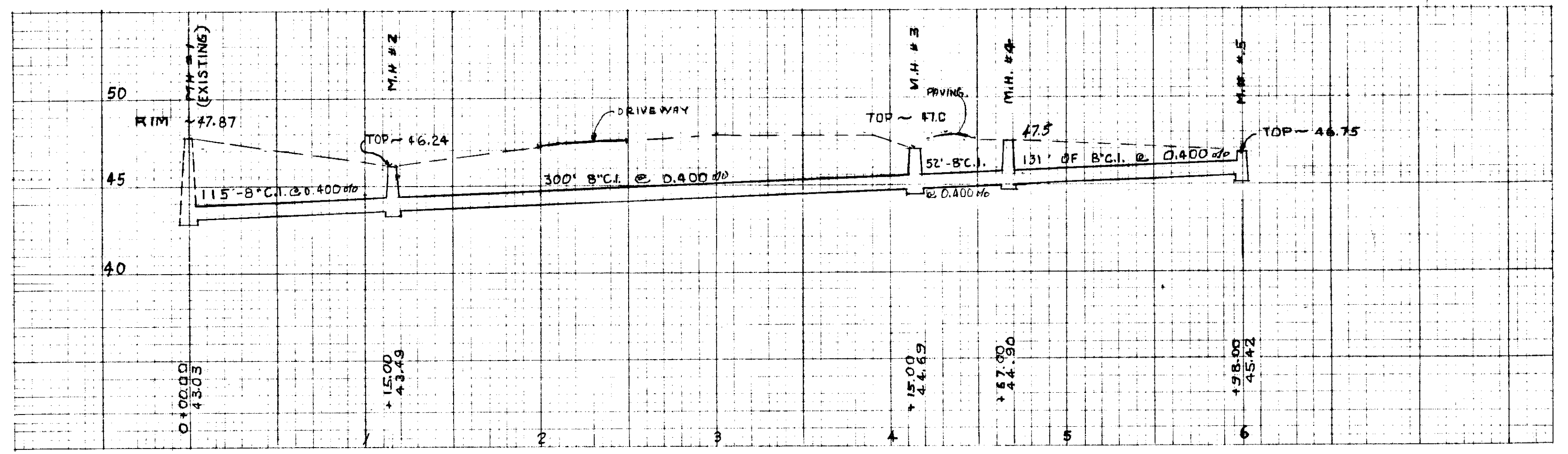
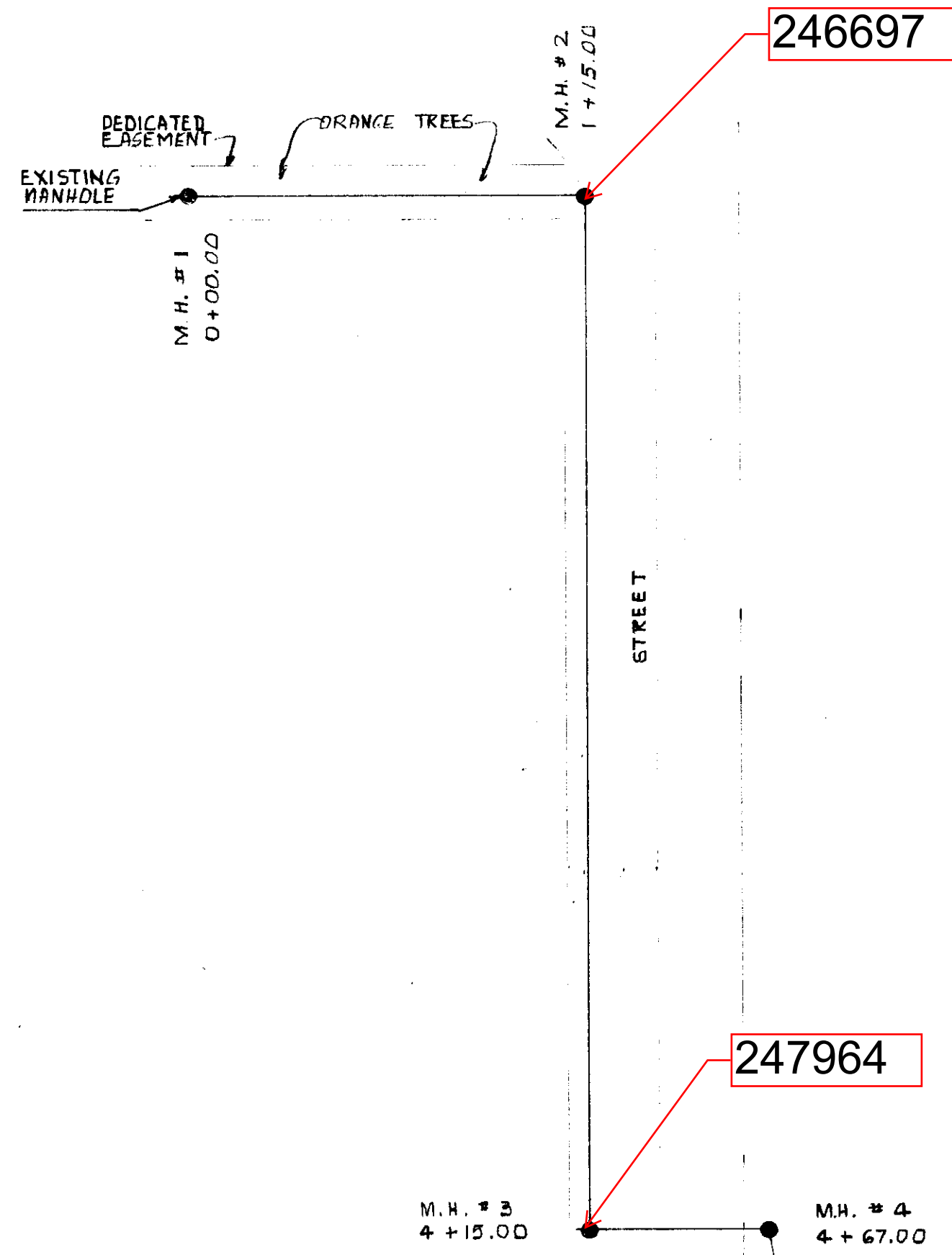
PLAN



PROFILE
W.O. 2367

CITY OF TAMPA, FLORIDA RENEWAL & REPLACEMENT		
SEWER IMPROVEMENTS		
COLUMBIA DRIVE: Arbor Place, North to Davis Blvd.		
DES: JMR DRN: RAN CKD: EGS DATF AUG. 1972	SCALE 50 0 50 100 1" = 50'	SHEET 123-07 OF 2

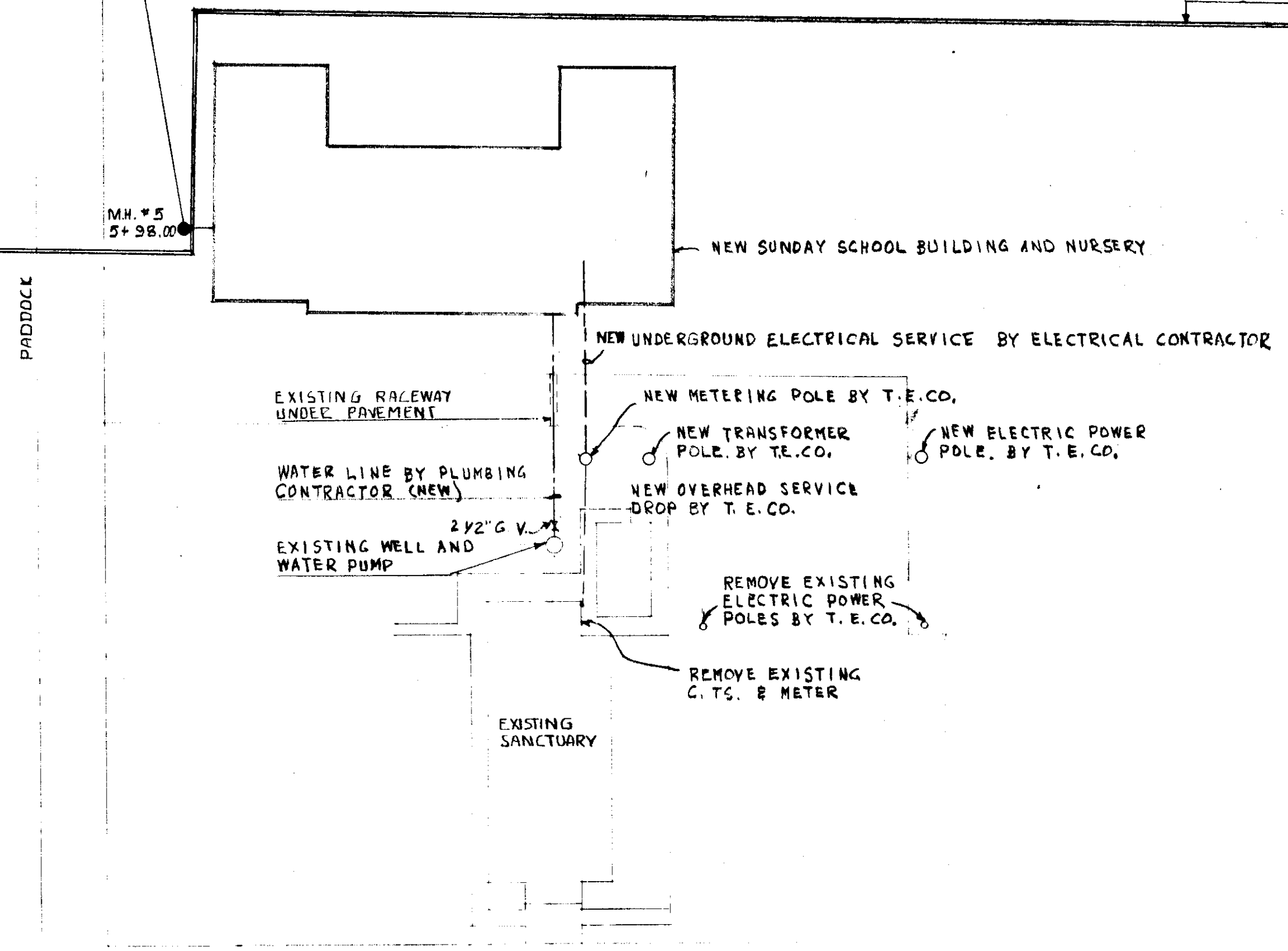
123-027



GRAVITY SEWER LINE PROFILE

CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES AND PERMITS REQUIRED FOR THIS WORK.
 CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT LIFE AND PROPERTY DURING THE EXECUTION OF THIS WORK AND SHALL RESTORE RIGHT OF WAY AND PAVED AREAS TO THE ORIGINAL CONDITION AT THE COMPLETION OF THIS WORK.

WORK ABOVE THIS LINE NOT IN CONTRACT.

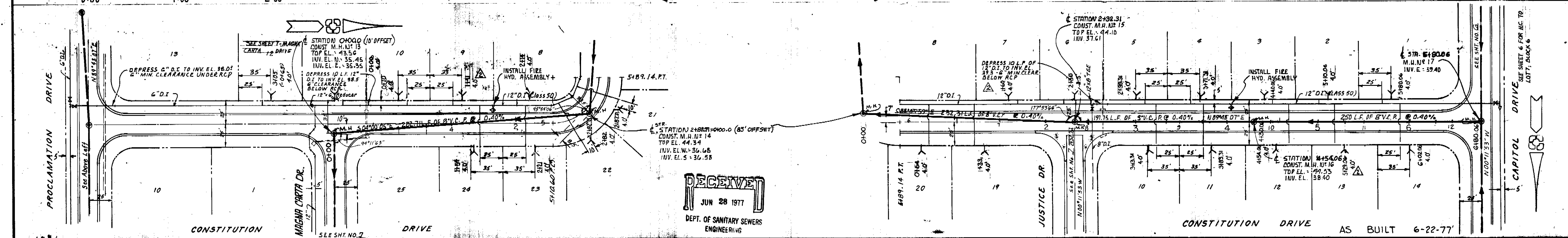
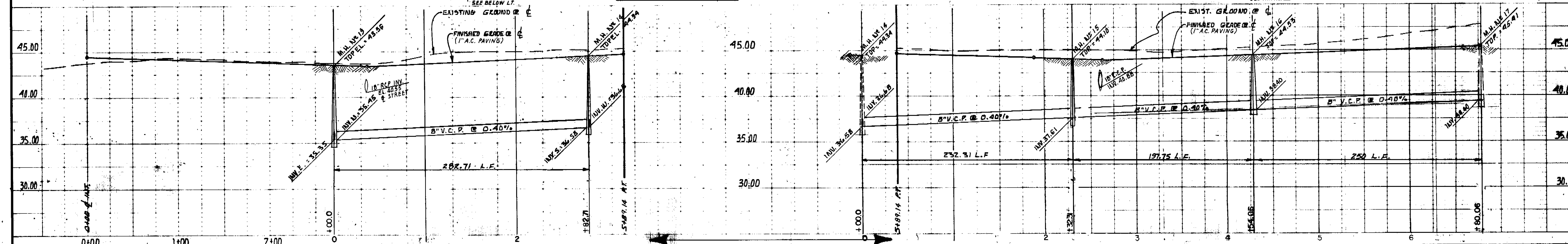
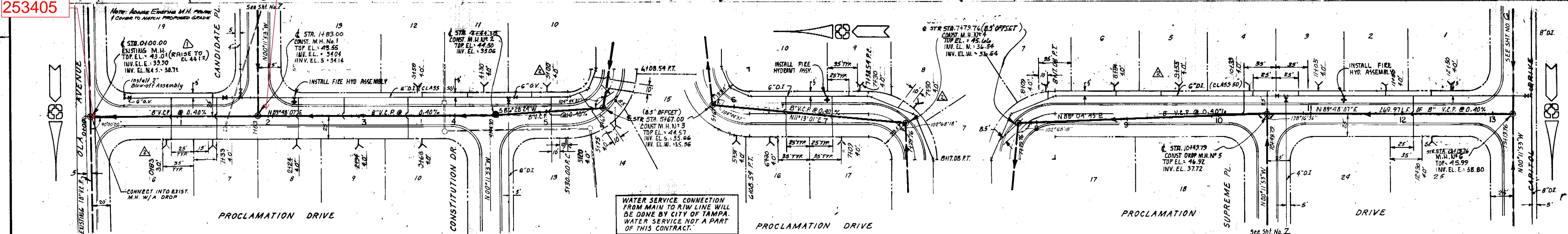
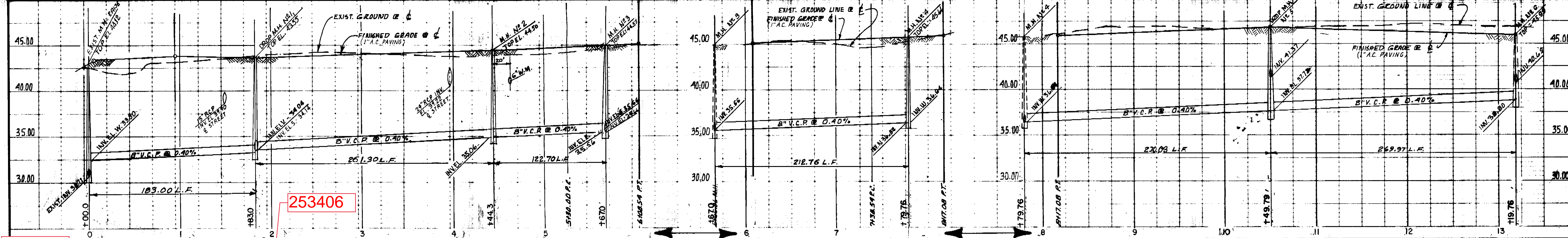


LAKE MAGDALENE BOULEVARD
UTILITIES SITE PLAN
 SCALE - 1" = 40 FEET

UTILITY SITE PLAN <u>GRAVITY SEWER LINE PROFILE</u>		SHEET 13 OF 13
A SUNDAY SCHOOL BUILDING FOR LAKE MAGDALENE UNITED METHODIST CHURCH. 13102 LAKE MAGDALENE BLVD, TAMPA, FLA. 33615		
LEOPOLD M. TORIBIO CONSULTING ENGINEER TAMPA FLORIDA REGISTRATION NO. 4766	IVOR M. FARNELL ARCHITECT. 4000 GANDY BLVD, TAMPA, FLA. 33609	DRAWN BY CHECKED BY ISSUE DATE SCALE: 128-009

253405

253406



REVISIONS					
BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
P.S.	12/22	RAISE RIM EL. OF EXIST. M.H. ON OLA AVE.			
R.P.B.	6/77	AS BUILT			

CUMBEY & FAIR INC.
CONSULTING CIVIL ENGINEERS
 ENGINEERING • PLANNING • LAND SURVEYS
 3450 GANDY BLVD. ST. PETERSBURG FLA.

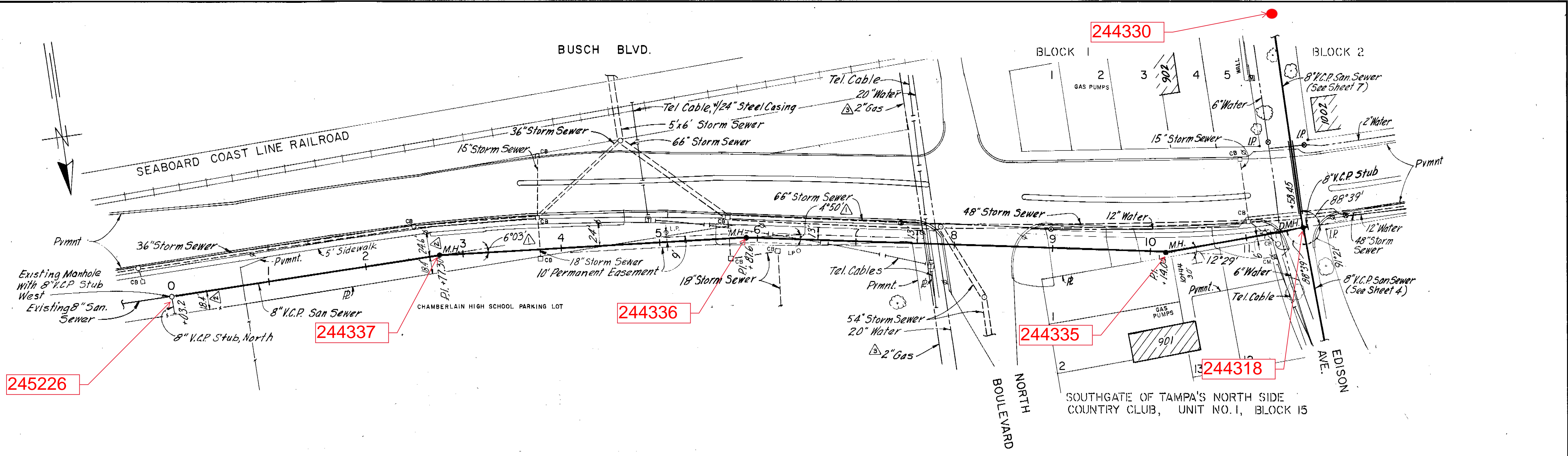
FOR
U.S. HOMES OF FLORIDA, INC.
 CENTRAL DIVISION

DRWN BY: A.T.B. DATE: APRIL 76
 DSGN BY: DATE
 CHKD BY: DATE
 HORIZ: 1" = 50'
 SCALE: VERT: 1" = 5'

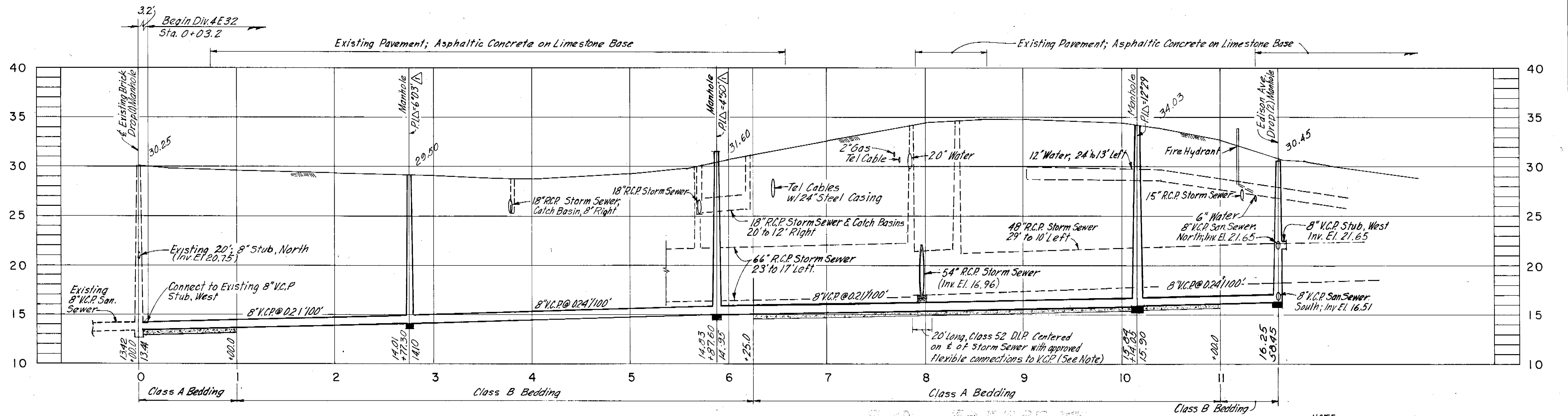
PROJECT
 NORTH POINTE
 UNIT III
 PHASE II
WATER & SEWER PLAN

SHEET 8 OF 9
 JOB NO. 0615

142-019



PLAN

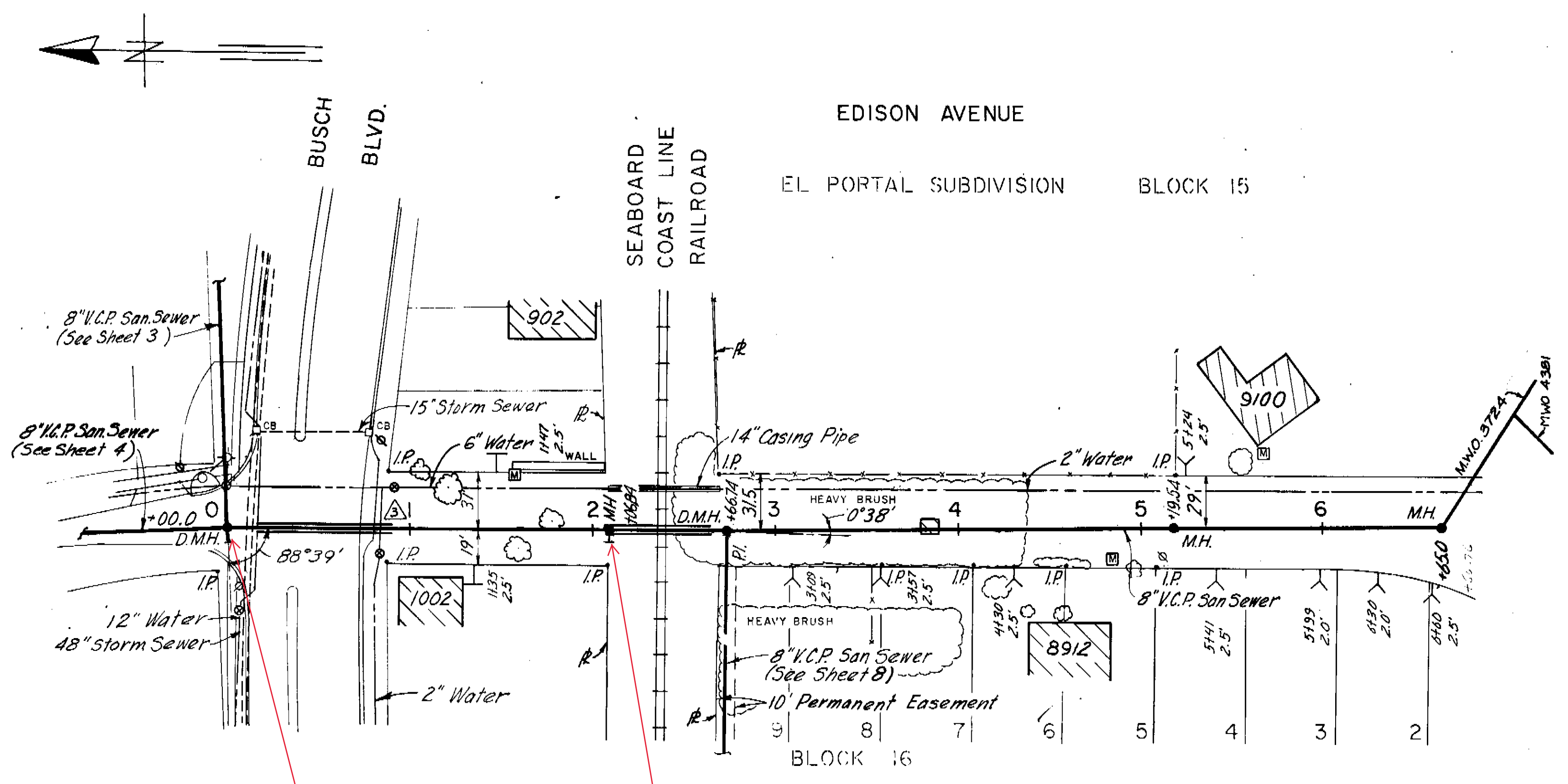
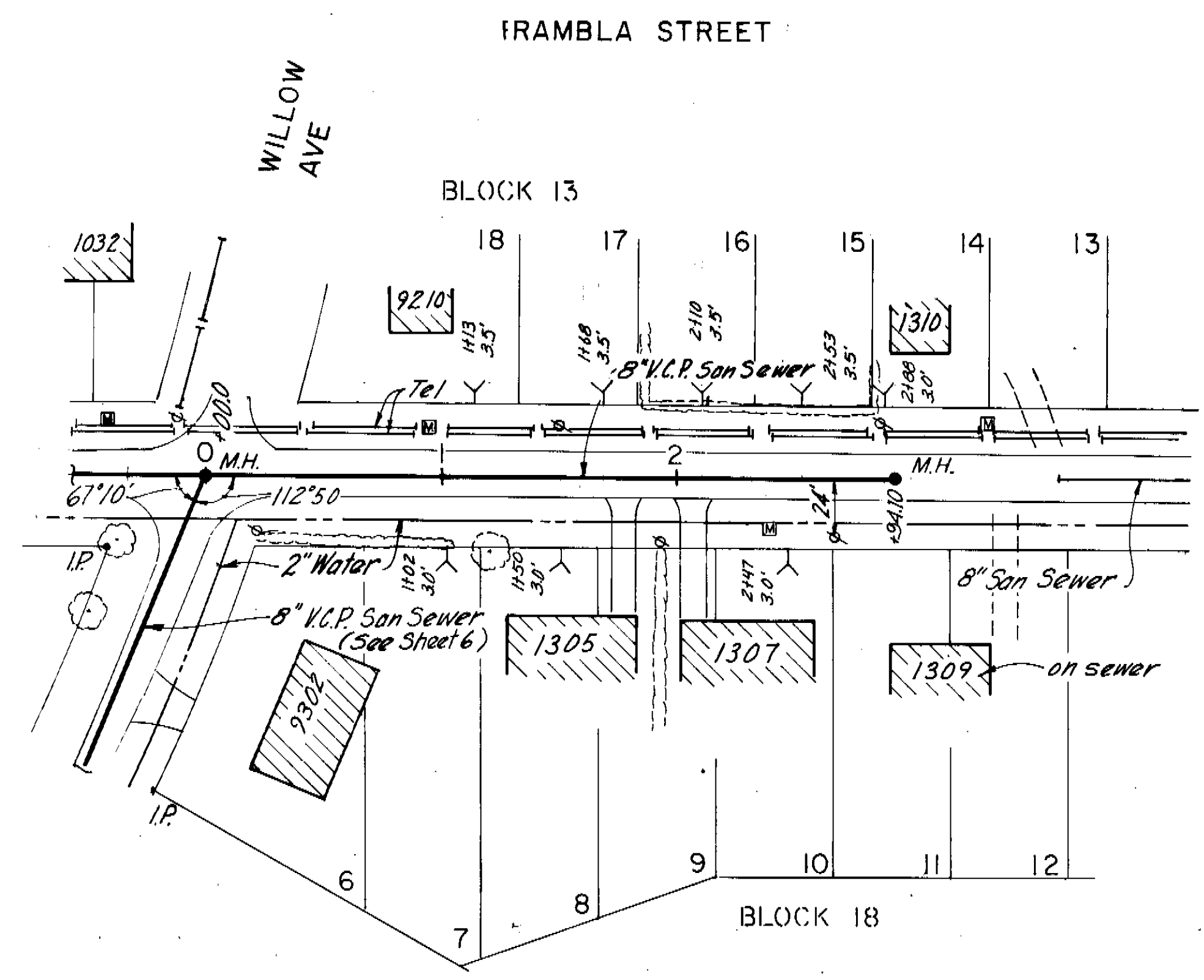


PROFILE

NOTE:
Ductile iron pipe under storm sewer at Sta. 7+95± shall be completely encased in concrete for five feet on each side of storm sewer's center line.

GREELEY AND HANSEN ENGINEERS 222 S. RIVERSIDE PLAZA CHICAGO, ILLINOIS 60606	DESIGNED W.R.B.	APPROVED	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>APP.</th> <th>REVISION</th> </tr> <tr> <td>10/27/77</td> <td>T.L.W.</td> <td></td> <td>Add 2" Gas Line</td> </tr> <tr> <td>9/13/77</td> <td>T.L.W.</td> <td></td> <td>Rev. Dimensions Sta. 0+00 to 2+75.0</td> </tr> <tr> <td>9/13/77</td> <td>T.L.W.</td> <td></td> <td>Rev. Angle @ Sta. 2+75.0 & 5+88.0</td> </tr> </table>	NO.	DATE	APP.	REVISION	10/27/77	T.L.W.		Add 2" Gas Line	9/13/77	T.L.W.		Rev. Dimensions Sta. 0+00 to 2+75.0	9/13/77	T.L.W.		Rev. Angle @ Sta. 2+75.0 & 5+88.0	SCALE 50 0 50 100 FT HORIZ. 1" = 50' 5 0 5 10 VERT. 1" = 5'	CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM SEWER IMPROVEMENT AREA 34-3	DIVISION 4E32 PLAN AND PROFILE BUSCH BLVD.- STA. 0+00.0 TO EDISON AVE.	PROJ. NO. S202-70-30D 4E32
	NO.	DATE		APP.	REVISION																		
	10/27/77	T.L.W.			Add 2" Gas Line																		
	9/13/77	T.L.W.			Rev. Dimensions Sta. 0+00 to 2+75.0																		
9/13/77	T.L.W.		Rev. Angle @ Sta. 2+75.0 & 5+88.0																				
DRAWN W.R.B.	SUP'T., DEPT. OF SANITARY SEWERS	SHEET 3 OF 12																					
CHECKED M.D.O., T.L.W.	GREELEY AND HANSEN, ENGINEERS	DATE MAR. 1977																					
		REV. 3																					

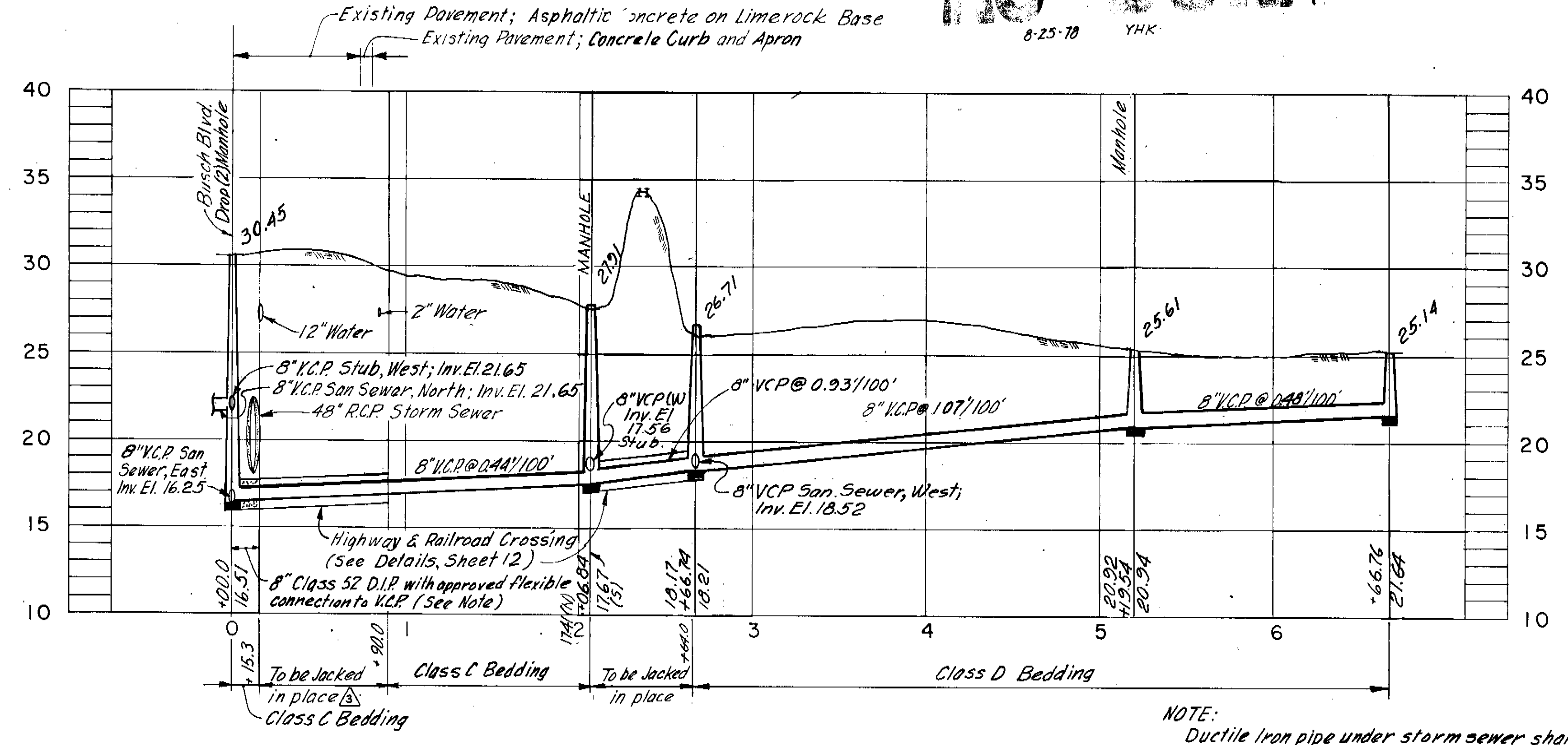
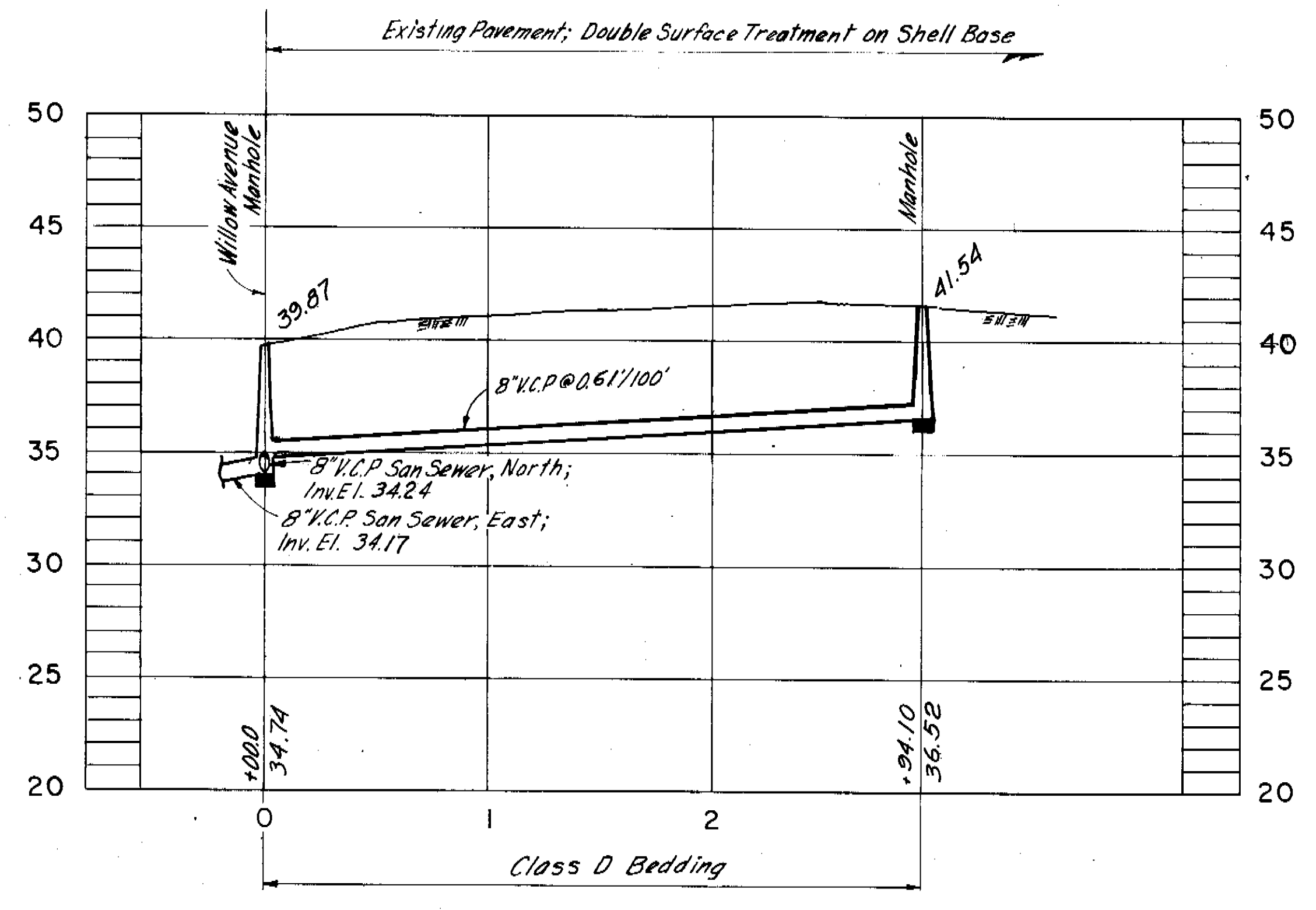
145-039



PLAN 244318

244330

AS BUILT
8-25-70 YHK



PROFILE

NOTE:
Ductile iron pipe under storm sewer shall be completely encased in concrete from manhole at Sta. 0+00.0 to casing pipe at Sta. 0+15.3

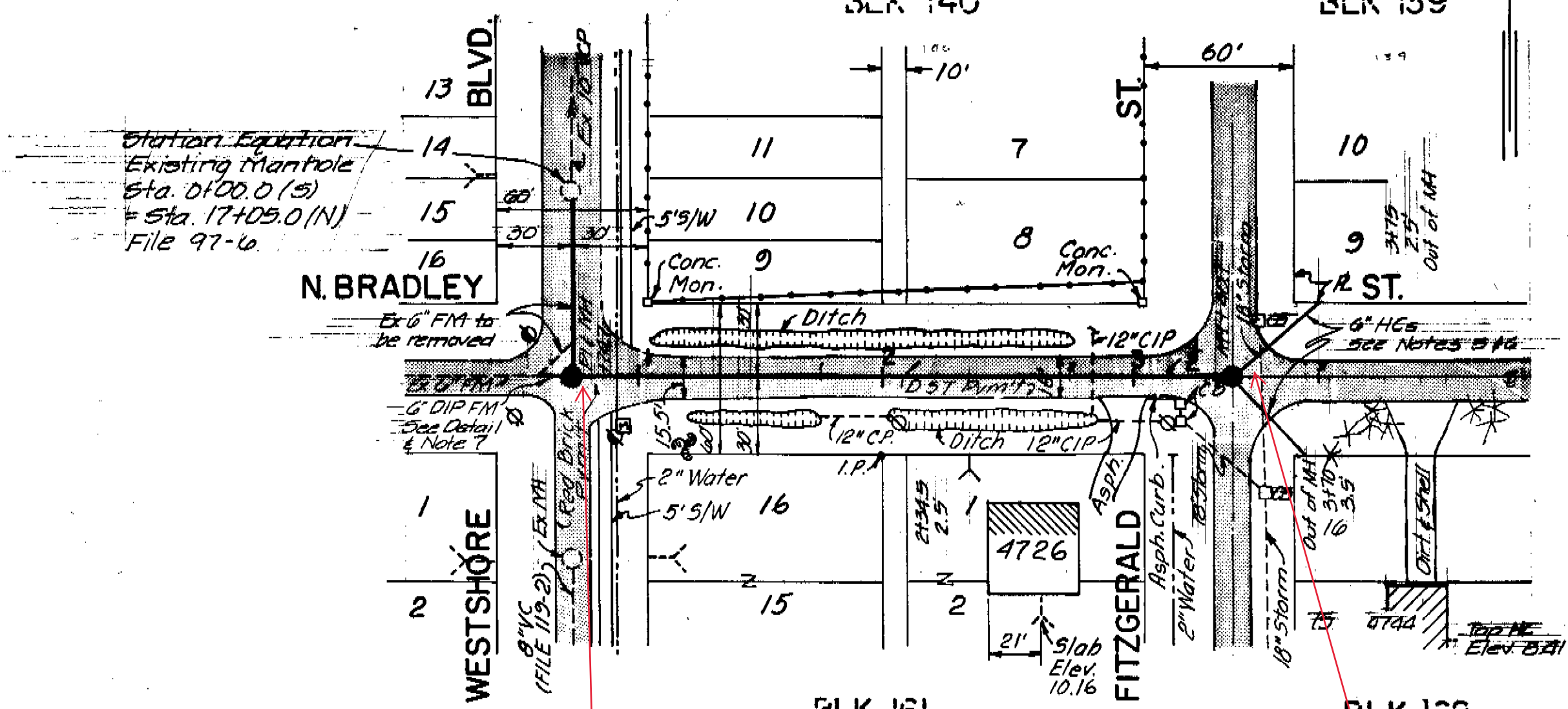
GREELEY AND HANSEN ENGINEERS 222 S. RIVERSIDE PLAZA CHICAGO, ILLINOIS 60606	DESIGNED W.R.B.	APPROVED	SCALE 50 0 50 100 FT HORIZ. 1" = 30' VERT. 1" = 5'	CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM SEWER IMPROVEMENT AREA 34-3	DIVISION 4E32 PLAN AND PROFILE RAMBLA ST. - WILLOW AVE. TO STA. 2+93.5 EDISON AVE. - BUSCH BLVD. SOUTH TO STA. 6+65.0	PROJ. NO. S202-70-30D4E32
	DRAWN W.R.B.	SUPT. DEPT. OF SANITARY SEWERS				SHEET 7 OF 12
	CHECKED M.D.O., T.L.W.	GREELEY AND HANSEN, ENGINEERS				DATE MAR. 1977 REV. 3

145-043

MAP OF PORT TAMPA CITY

BLK 140

BLK 139



PLAN

PROJ. 499

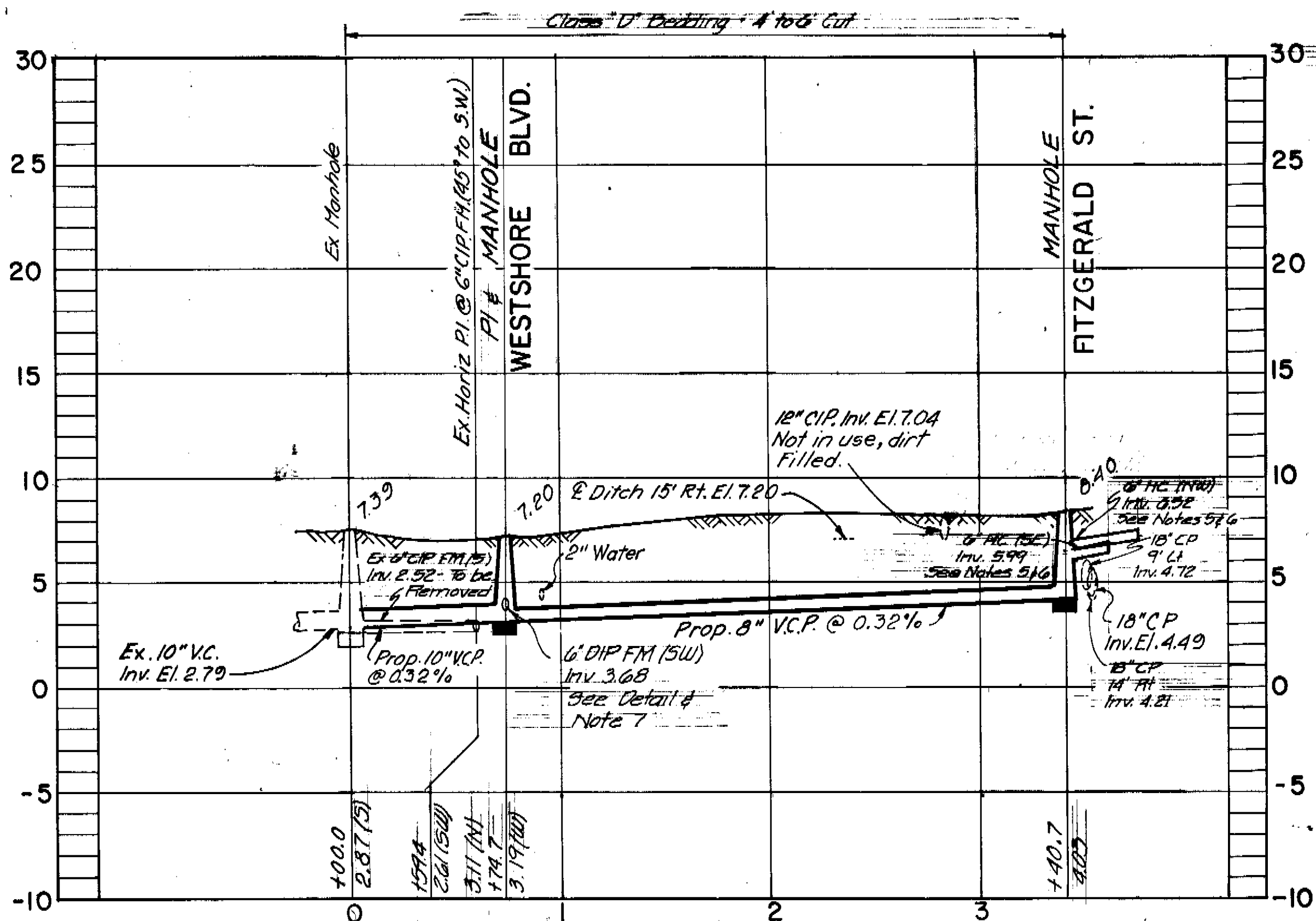
DM Elev. 7.87
Cut. E. Side 3/W @ N.E.
Bradley & Westshore

Notes:

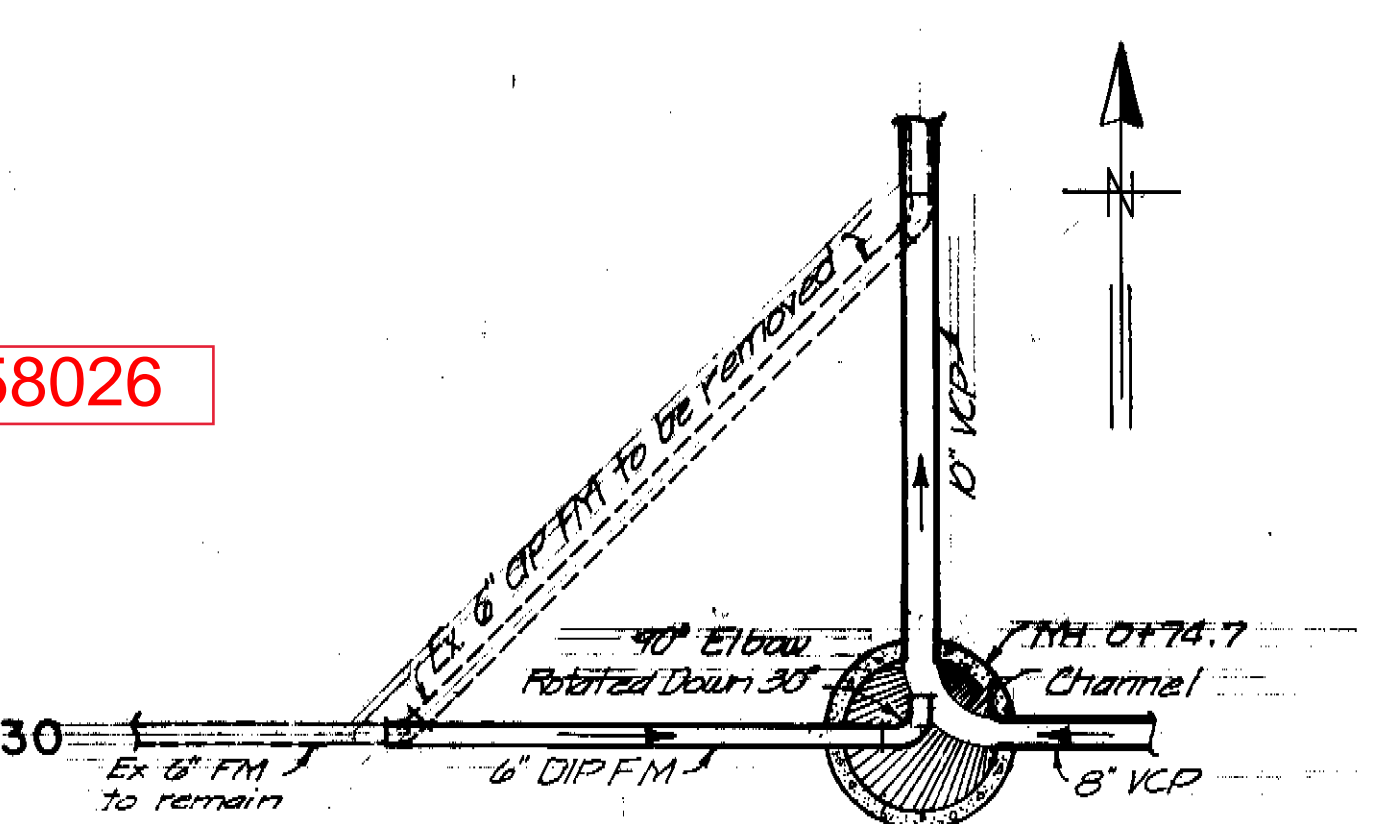
- All elevations are based on MDS Datum unless otherwise noted.
- Location of existing underground utilities was prepared from the most reliable information available. Verify the location and depth of all pertinent utilities prior to construction. Notify utility companies at least 48 hours prior to beginning construction.
- New house connections are representative only. Exact locations should be determined in the field at the time of construction. A wye will be required.
- Replace pavement full width with Asphaltic Concrete Type 5-1.
- Whenever a Sanitary Sewer or a house lateral crosses a storm sewer and a minimum vertical clearance of 18" cannot be obtained, use Class 52 DIP centered under storm sewer with approved flexible coupling to adjacent clay pipe.
- Construct 6" House Connections @ minimum slope (1/8" per foot) to serve residence 4704 Bradley & Lot 9, Blk 139, Map of Port Tampa City.
- Construct by-pass into MH @ Sta. 0+00.0 and remove ex. 6" FM from MH to 45' bend in Bradley. Construct gravity lines and MHS as per plans and reroute ex. 6" FM as per detail.

258027

258026



PROFILE
WO 5575



DETAIL
SCALE: 1"=5'

AS BUILT
House Connections 10/29/00 LYH

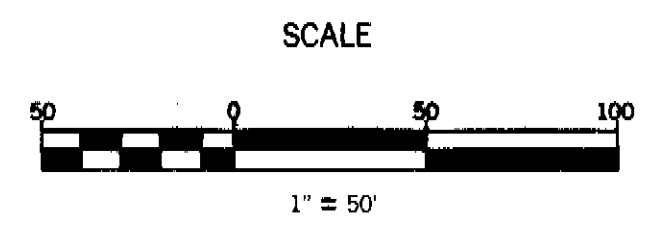
BRUNING 44-132 29917

Jack Morris
JACK MORRIS P.E. #24578
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DES: DRN: E. R.
CKD: RLK
DATE: 3-80

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

NR	DATE	REVISIONS
1		
2		
3		
4		
5		

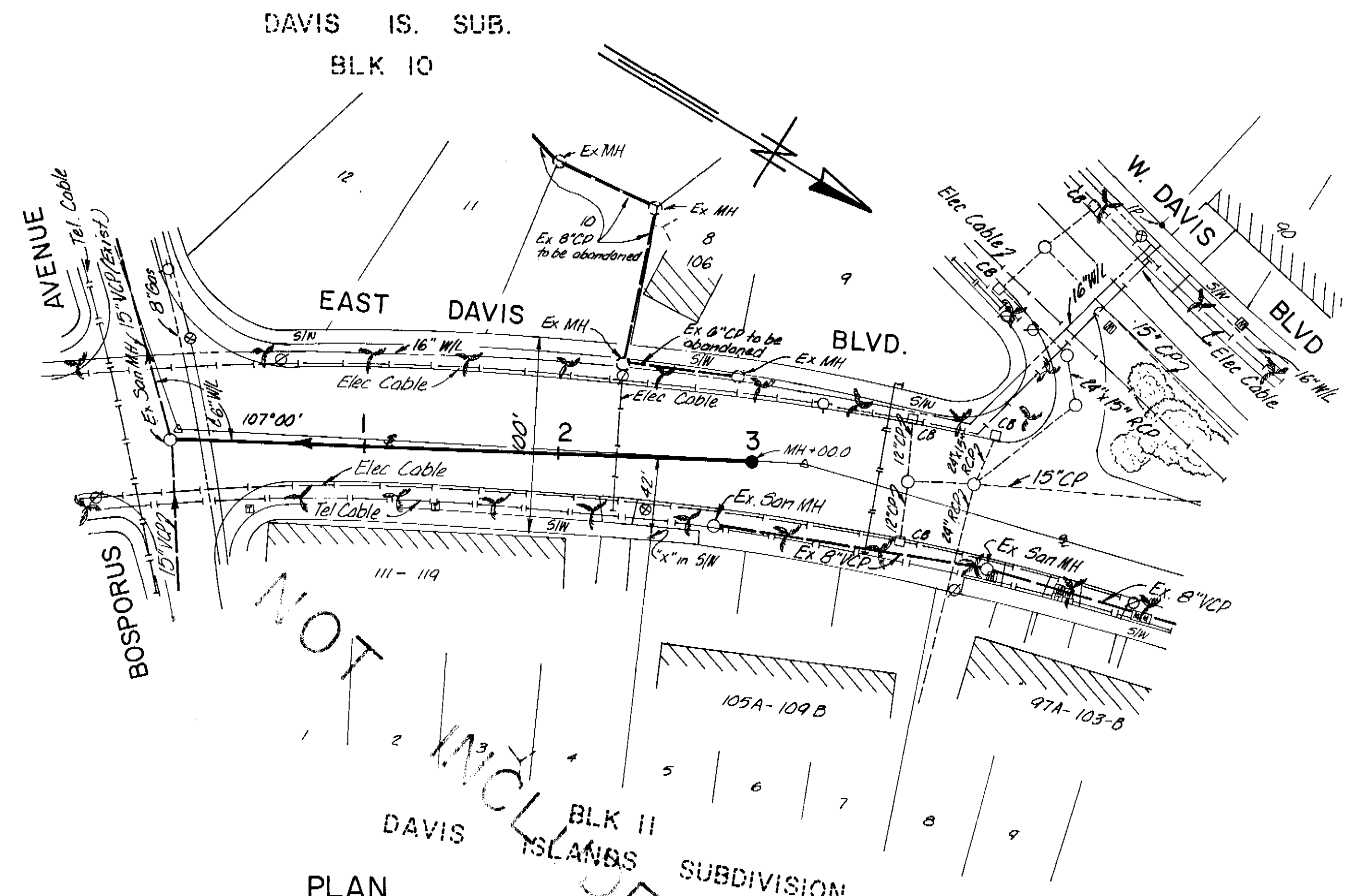
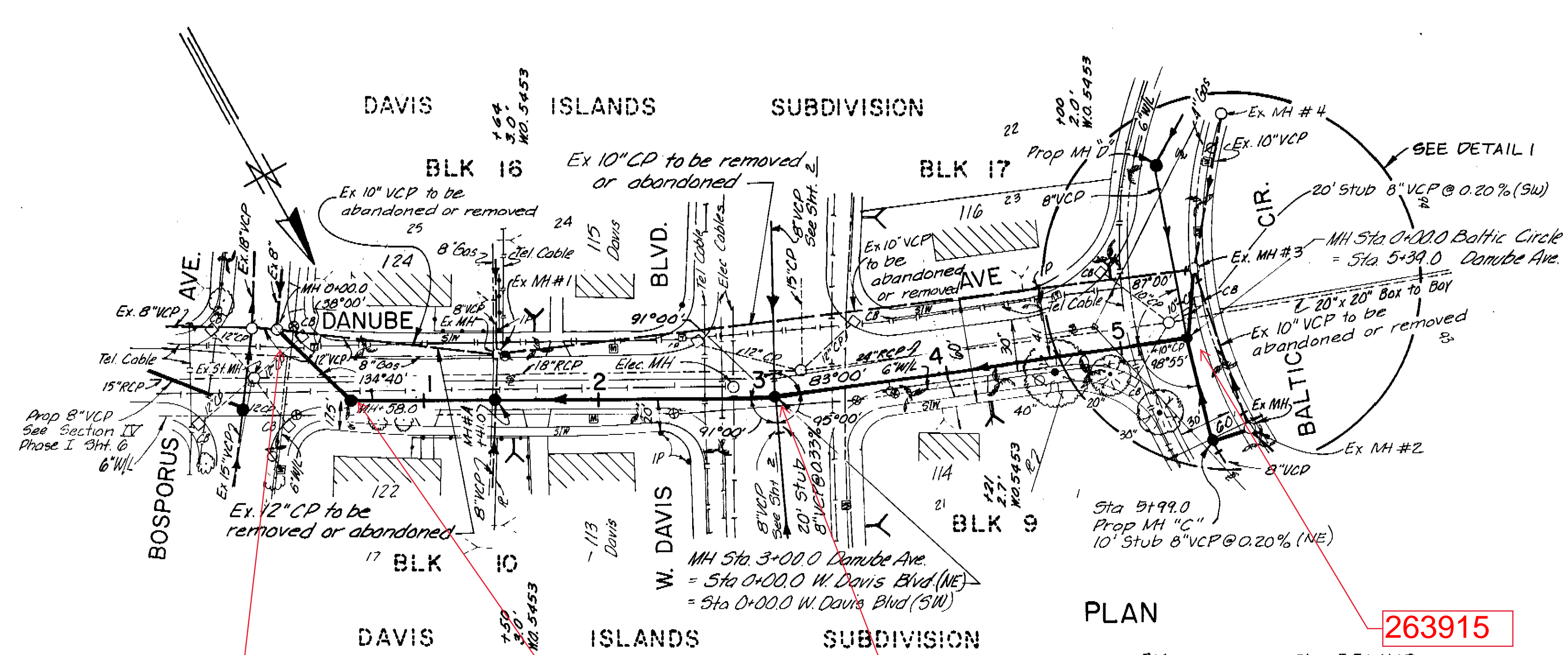


DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

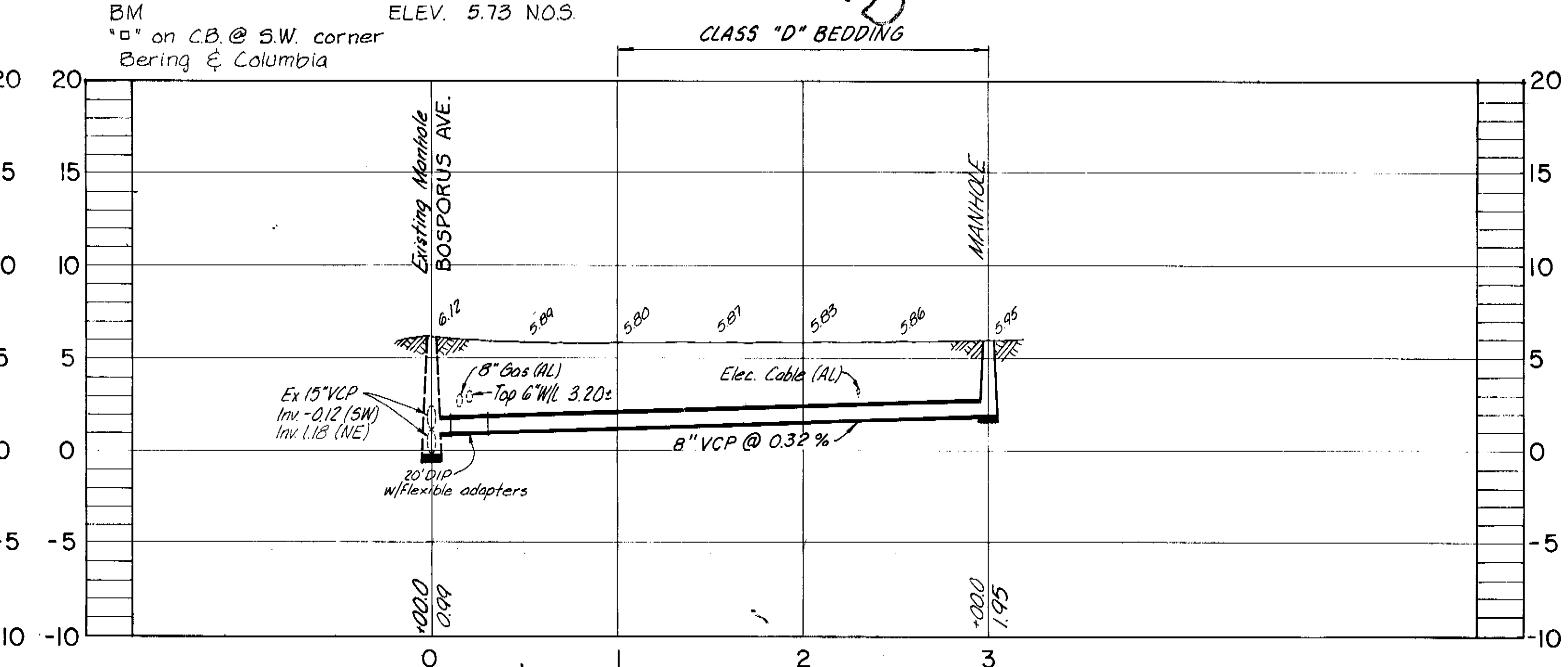
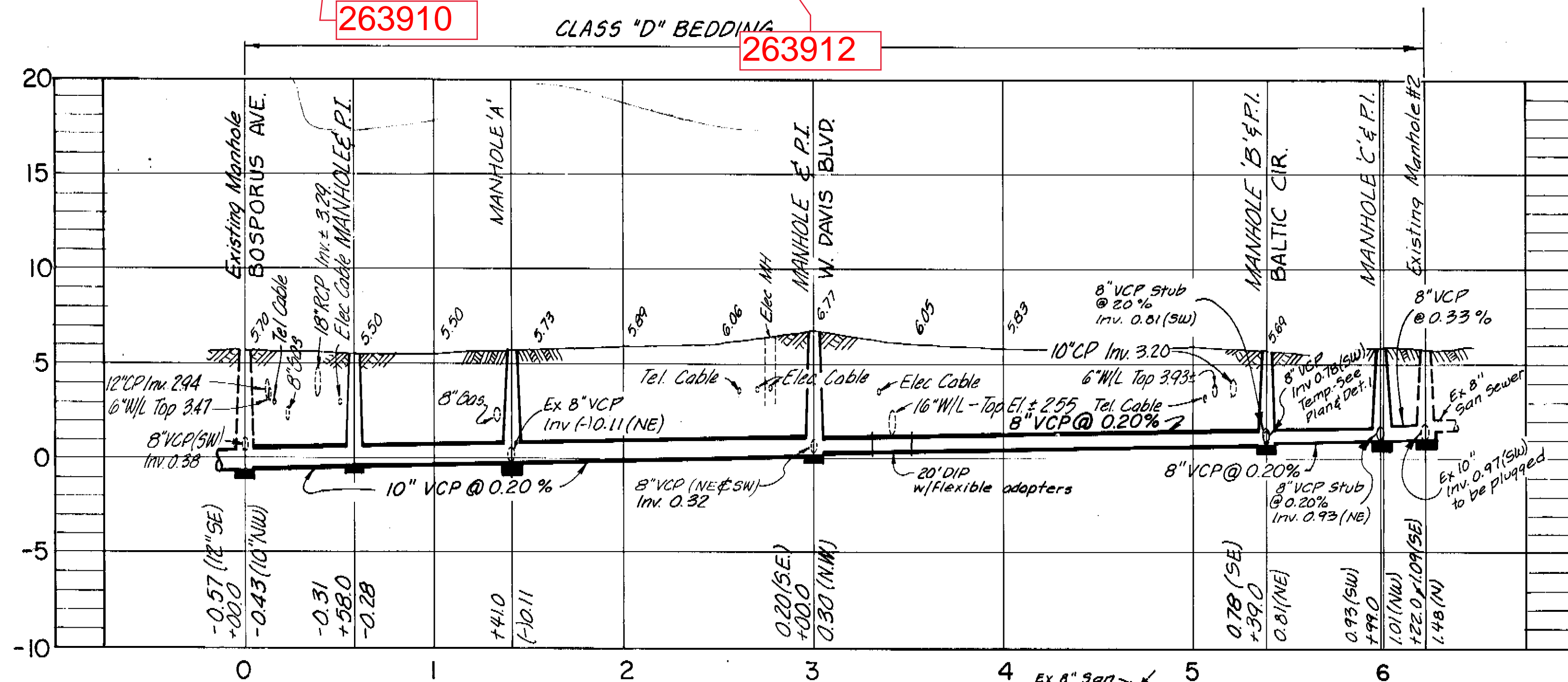
BRADLEY ST. : From Westshore Blvd. to Fitzgerald St.

SHEET

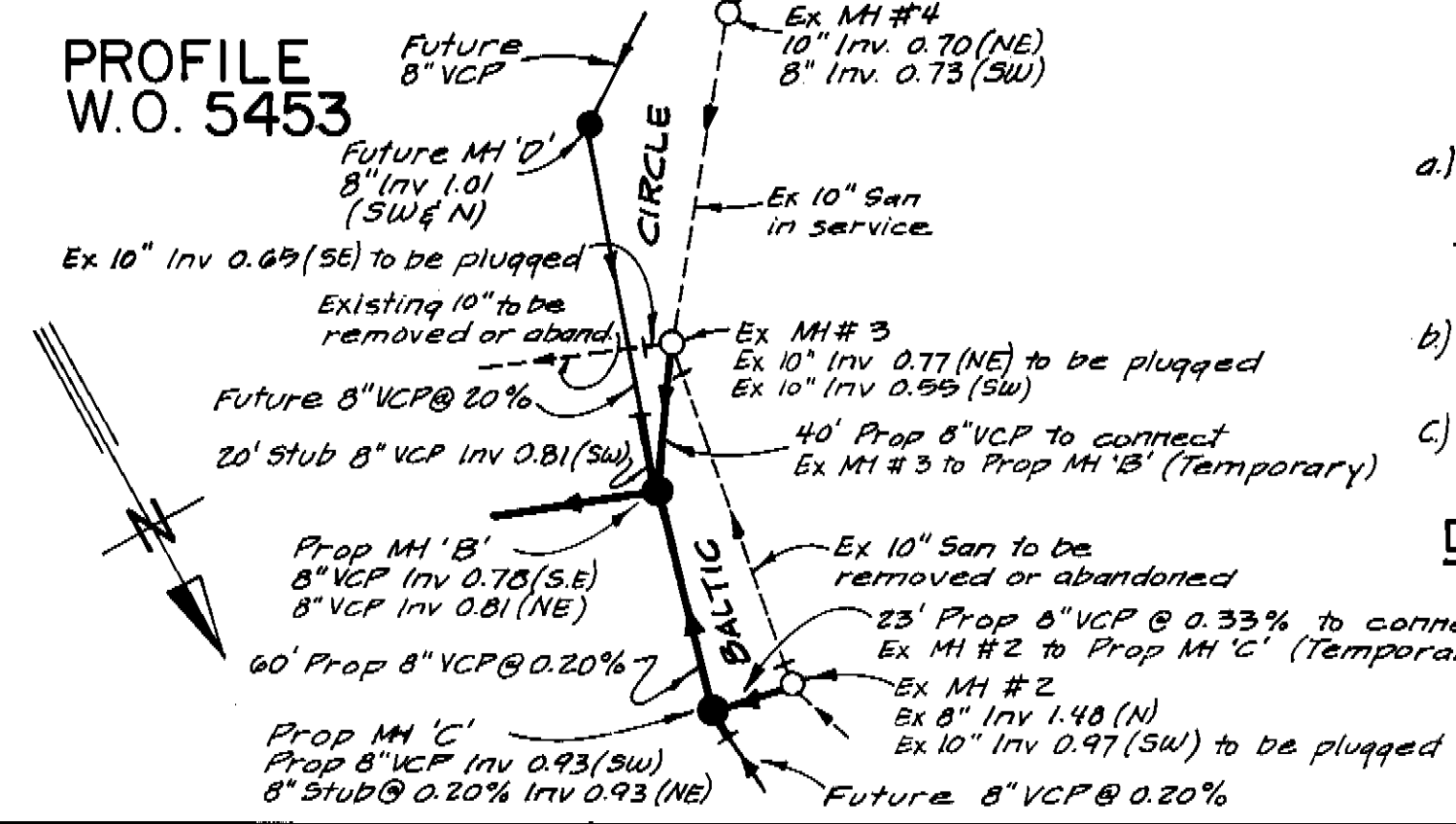
156-023



- NOTES**
- The existing 12" CP on the northwest side of manhole @ Sta 0+00.0 should be plugged. Break through the wall of existing manhole to install the proposed 8" VCP Sanitary Sewer line.
 - Construct a new manhole 'A' on proposed 10" VCP Sanitary Sewer line with existing 8" Sanitary Sewer and connect existing 8" San. Sewer line (NE side) to MH 'A'.
- NOTES CONTINUED BELOW**



- NOTES CONTINUED**
- Where a Sanitary Sewer or a house lateral crosses a water main and a minimum vertical clearance of 18" cannot be obtained, use Class 50 DIP centered under water main with approved flexible coupling to adjacent clay pipe.
 - All elevations are based on NOS Datum unless otherwise noted.
 - Location of existing underground utilities was prepared from the most reliable information available. Verify the location and depth of all pertinent utilities prior to construction. Notify utility companies at least 48 hours prior to beginning construction.
 - New house connections are representative only. Exact locations should be coordinated with the homeowner at the time of construction.
 - Replace pavement full width with Asphaltic Concrete Type 5-1.

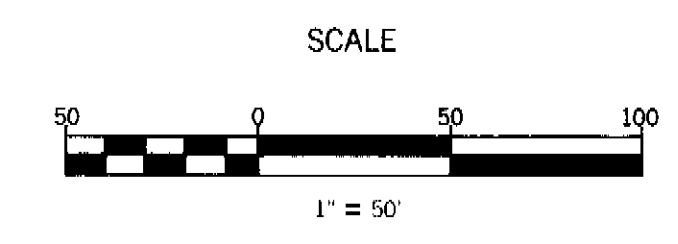


- NOTES:**
- If necessary reconnect the house connection of residence #136 to prop 8" VCP San Sewer between MH 'B' and MH 'C'.
 - Connect existing MH #3 to MH 'B' (Temporary)
 - Connect existing MH #2 to prop MH 'C' (Temporary)

AS BUILT

Danube Ave. Only H.C.'s S.L.-R1 C.V.

JACK P. MORRIS, P.E. #24578 CHIEF ENGINEER DEPARTMENT OF SANITARY SEWERS	DES: MJA	 ELTON G. SMITH, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS	No. DATE REVISIONS 1 5-6-81 As Built Danube Ave. C.V. 2 3 4 5
	DRN: DEP/CP		
	CKD: 1/22/81		
	DATE:		

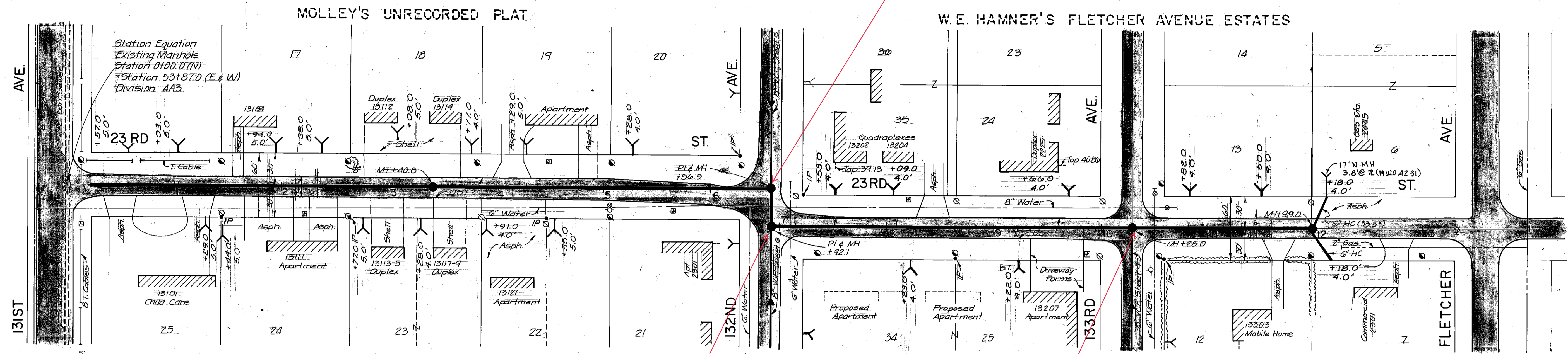
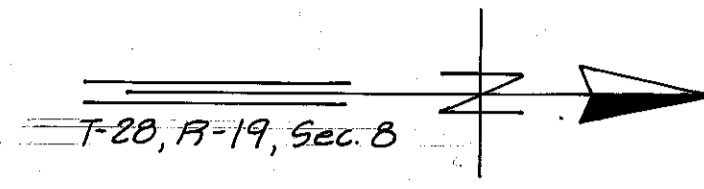


DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENT

DANUBE AVE. / Bosphorus Ave. to Baltic Cir.
 EAST DAVIS BLVD. / Bosphorus Ave. to West Davis Blvd.

SHEET 1 OF 1

159-002

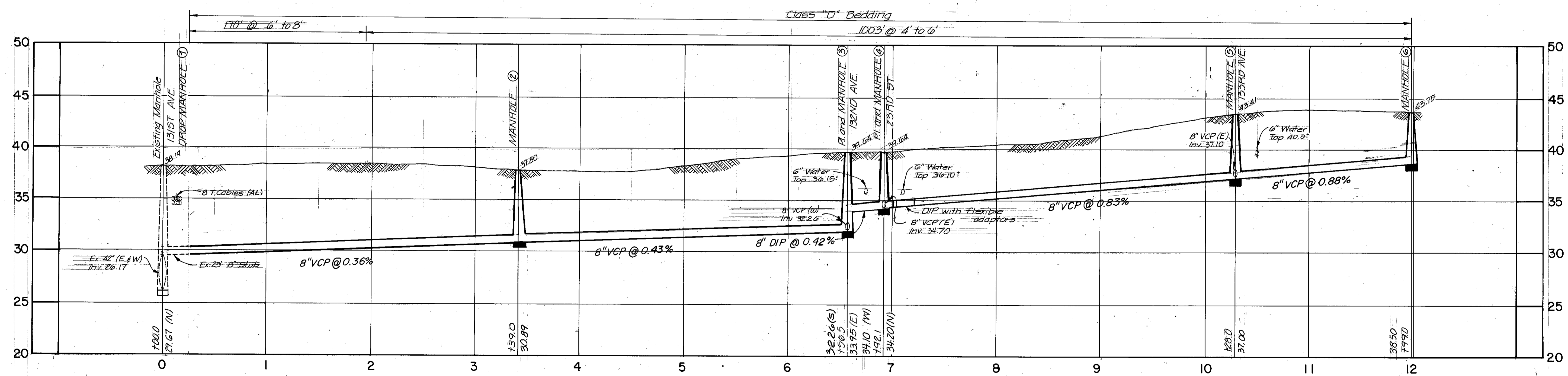


PLAN

254181

254178

BM 4A3-4 Elev. 37.38
 Cut on east end of headwall, SE corner of 25th St. and 131st Ave.



PROFILE
 P.N. 556
 W.D. 5469

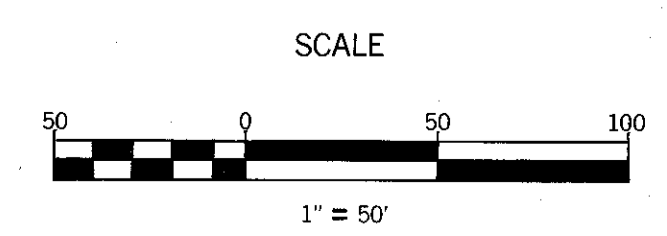
AS BUILT
 NJM 8-83

Ralph L. Metcalf
 RALPH L. METCALF, P.E. # 23401
 CHIEF ENGINEER
 DEPARTMENT of SANITARY SEWERS

DES: YHD
 DRN: YHD/cg
 CKD: AR
 DATE: 2/82

APPROVED BY
Elton G. Smith
 ELTON G. SMITH, PE
 DIRECTOR
 DEPARTMENT of SANITARY SEWERS

NO	DATE	REVISIONS
1	12/22/82	REVISED SLOPES
2		
3		
4		
5		



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

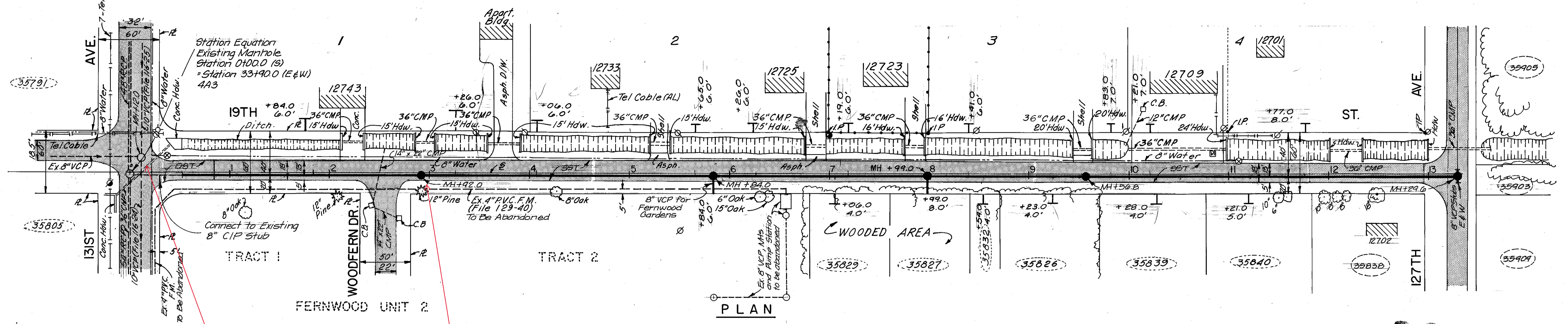
UNIVERSITY WEST
 23RD STREET: 131st Avenue to Fletcher

SHEET
3

166-009

BRUNING 44-132-29917

HANKIN'S ACRES



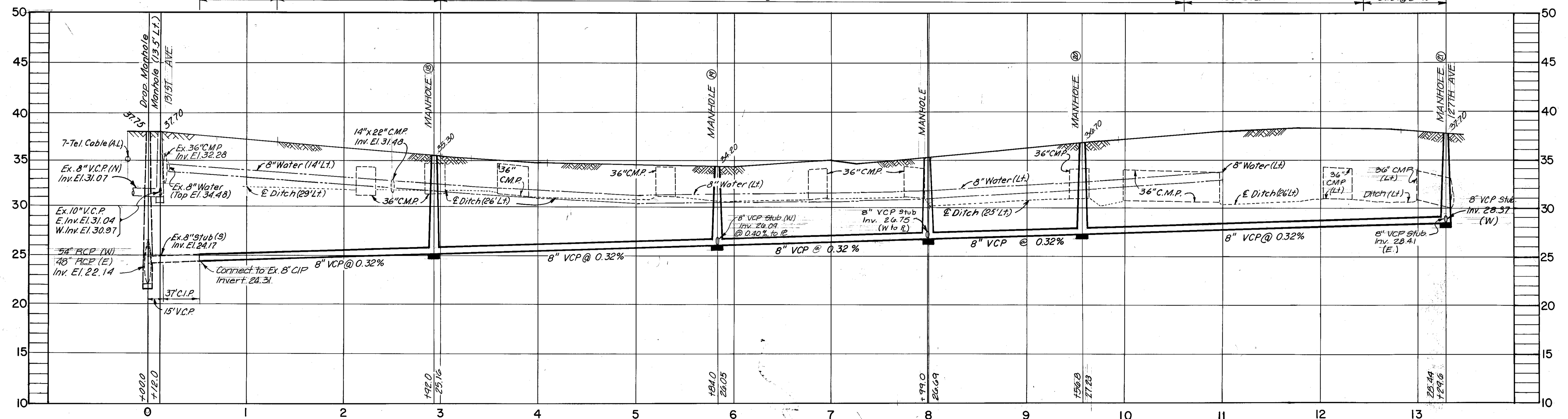
254202

2001932

B.M. 4432 Elev. 37.51
 Cut N.E. Corner Conc. Hdwy., S.E. Corner
 131st Ave. & 19th St.

AS BUILT
 NJM 8-83

Class "B" Bedding 80' @ 12'-14' Class "C" Bedding 168' @ 10'-12' Class "D" Bedding 760' @ 8' to 10' Class "C" Bedding 185' over 10' Class "D" Bedding 84.6' @ 8'-10'



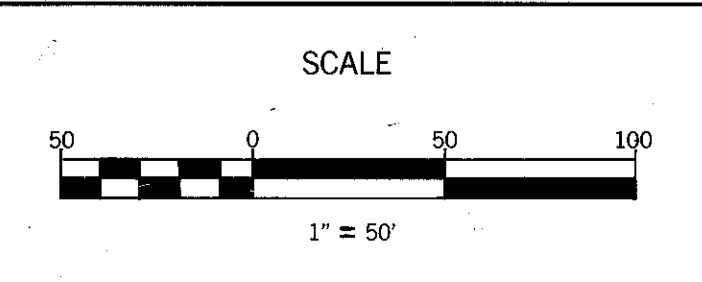
PROFILE
 PN 556
 WC 5469

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

DES:MS/YHD
 DRN: E.R./YHD
 CKD: *ARC*
 DATE: *2/82*

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

NO	DATE	REVISIONS
1		
2		
3		
4		
5		



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

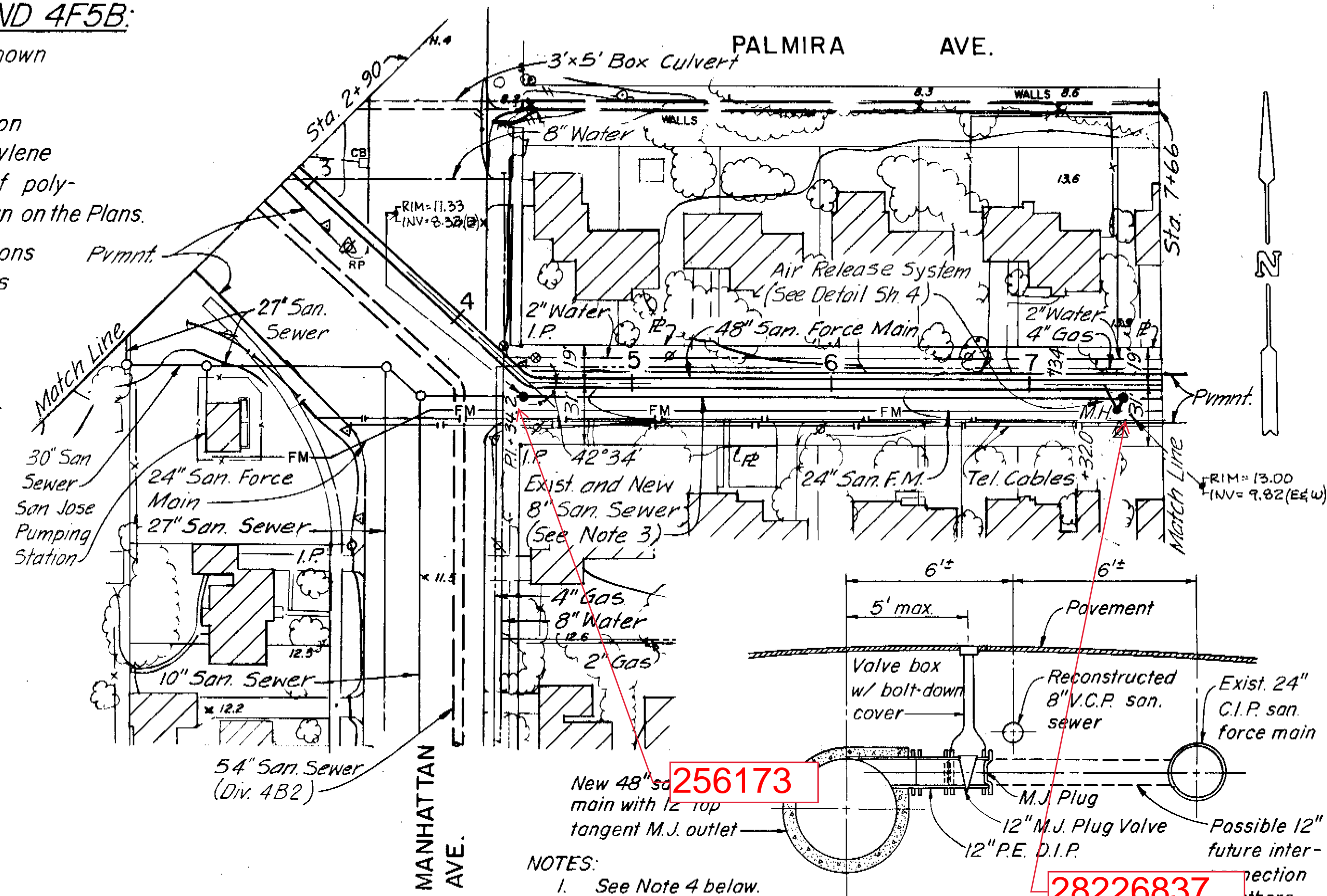
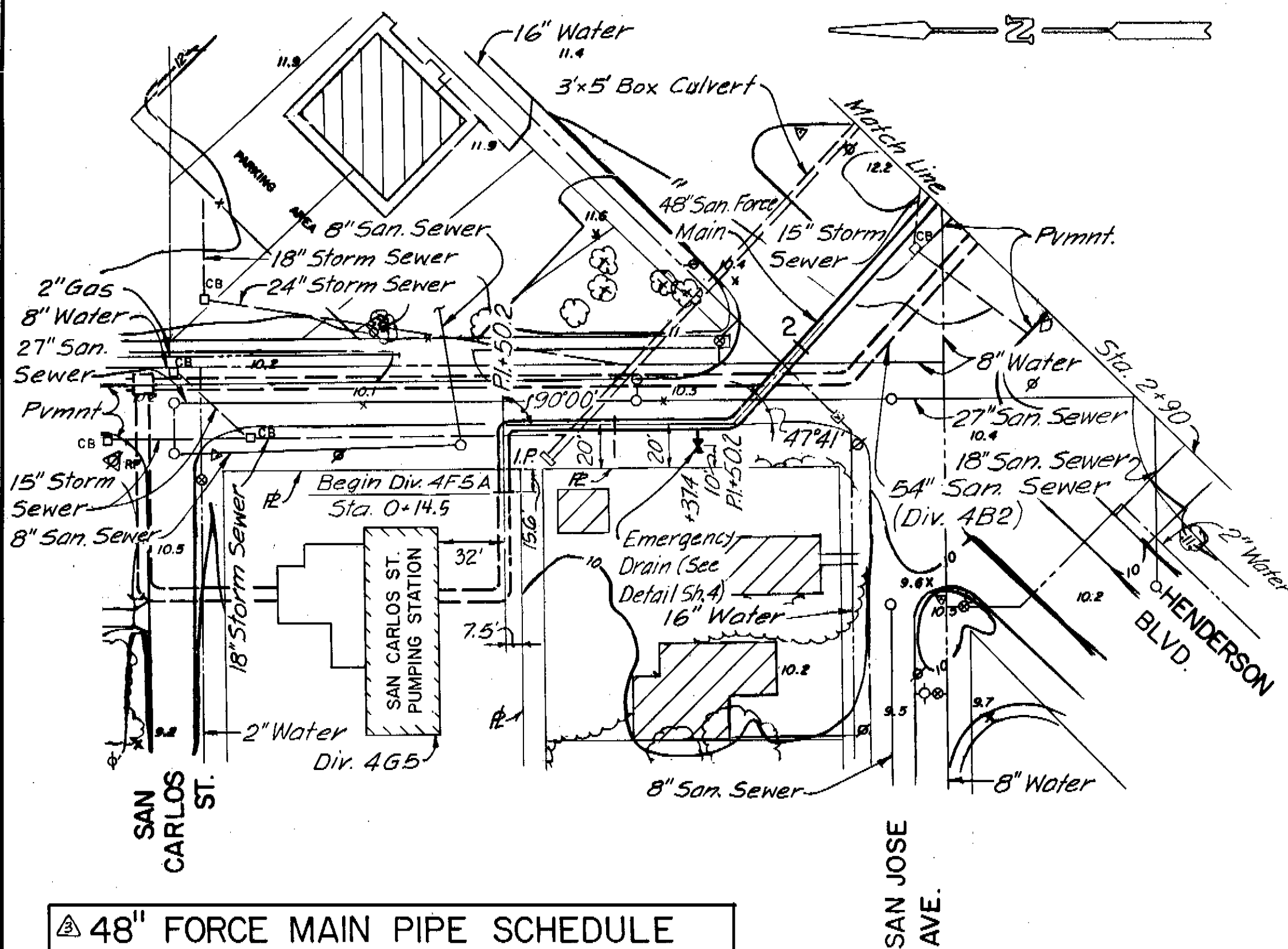
UNIVERSITY WEST
 19TH STREET: 131st Ave. to 127th Ave.

SHEET
9

166-015

GENERAL NOTES FOR DIVISIONS 4F5A AND 4F5B:

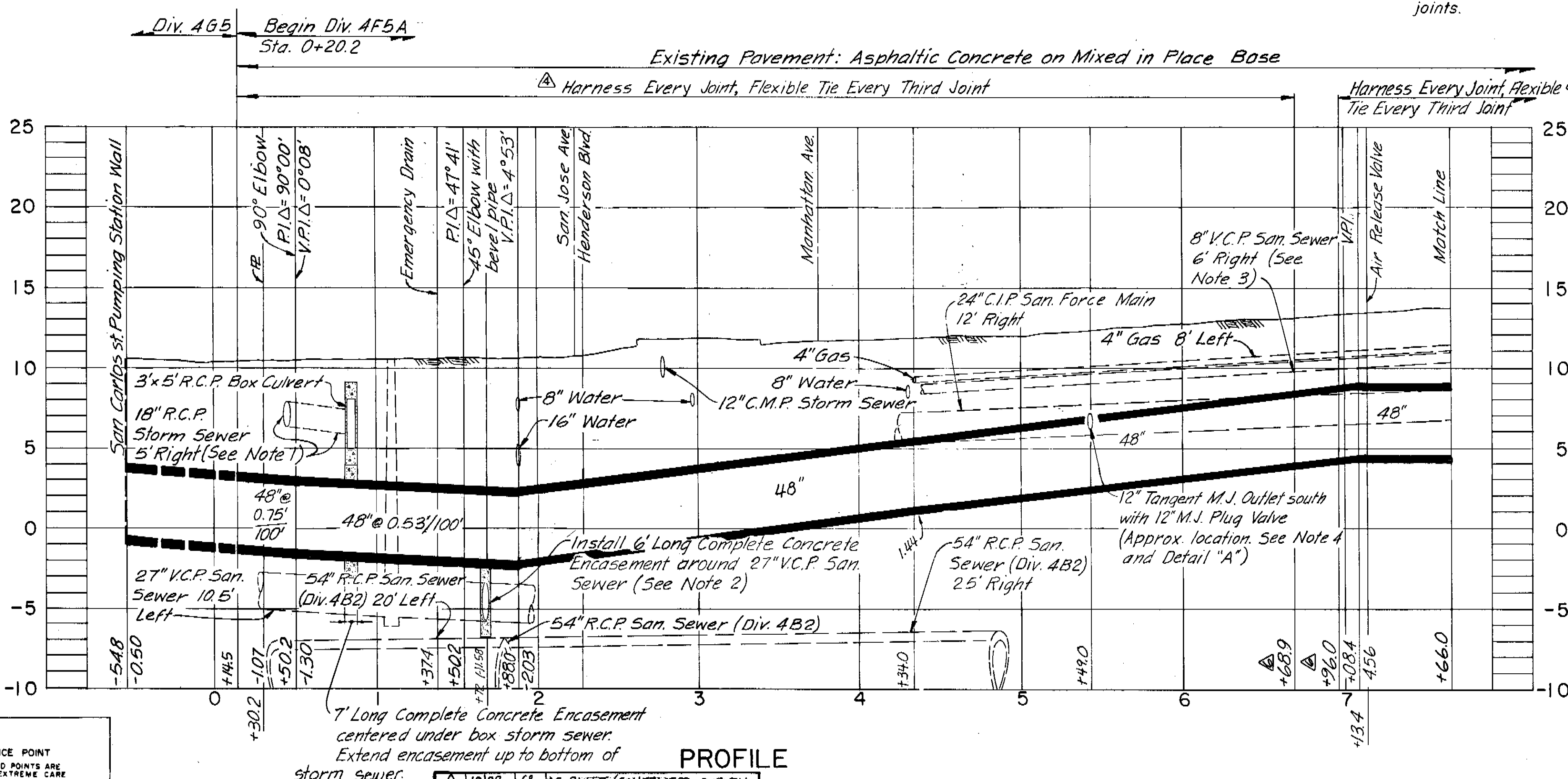
- A. All pipe bedding shall be Class C except as otherwise shown or specified (See Detail Sh. 5).
- B. All ductile or gray cast-iron pipe and fittings from Station 234+00 to Station 344+16 shall be encased in polyethylene conforming to ANSI/AWWA C105. The harnessed length of polyethylene encased pipe shall be 1.5 times longer than shown on the Plans.
- C. The Contractor shall install the force main to the elevations and slopes shown with no intermediate high or low points between V.P.I.'s. In no case shall the invert of the force main be above elevation 8.00.
- D. Utilities not shown on the Plans to be removed and replaced or relocated shall be protected in place. Utilities shown to be removed and replaced or relocated shall be replaced with new materials conforming to the applicable sections of the Workmanship and Materials.



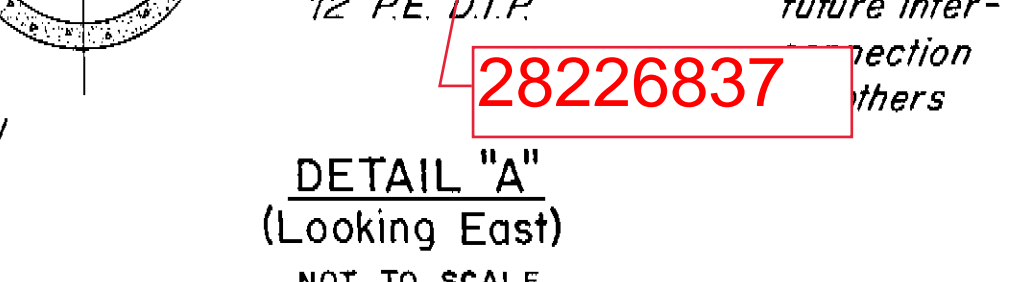
PLAN

48" FORCE MAIN PIPE SCHEDULE FOR DIVISIONS 4F5A AND 4F5B

FROM STATION	TO STATION	PIPE CLASS	FROM STATION	TO STATION	PIPE CLASS
0+20.2	2+27.8	B	145+38.6	146+78.1	B
2+27.8	8+72.1	A	146+78.1	150+34.5	A
8+72.1	12+31.4	B	150+34.5	152+80.5	B
12+31.4	43+88.0	A	152+80.5	162+50.0	A
43+88.0	45+96.0	B	162+50.0	177+07.9	B
45+96.0	50+24.6	A	177+07.9	180+68.5	A
50+24.6	52+36.2	C	180+68.5	182+88.5	B
52+36.2	62+17.8	A	182+88.5	192+76.2	A
62+17.8	63+77.7	B	192+76.2	194+76.2	C
63+77.7	83+68.8	A	194+76.2	220+37.8	A
83+68.8	87+00.0	C	220+37.8	222+97.0	D
87+00.0	99+02.0	A	222+97.0	235+66.1	B
99+02.0	101+54.2	B	DIVISION 4F5B		
101+54.2	105+21.3	A	239+49.7	268+56.3	A
105+21.3	107+20.6	B	268+56.3	274+16.6	B
107+20.6	127+00.0	A	274+16.6	289+00.0	A
127+00.0	128+99.5	B	289+00.0	295+00.0	B
128+99.5	132+19.4	A	295+00.0	312+16.5	A
132+19.4	133+18.9	B	312+16.5	314+14.2	B
133+18.9	135+59.1	A	324+08.7	325+56.6	A
135+59.1	136+98.4	B	325+56.6	328+79.5	B
136+98.4	140+18.7	A	328+79.5	338+00.9	A
140+18.7	141+58.2	B	338+00.9	339+76.5	C
141+58.2	145+38.6	A	339+76.5	344+16.0	A



PROFILE



DETAIL "A" (Looking East) NOT TO SCALE

- NOTES:
- 1. See Note 4 below.
 - 2. Harness all mechanical joints.

- NOTES:
- 1. Contractor shall remove and replace existing 18" storm sewer from Sta. 0+45' to Sta. 0+80' as required for construction.
 - 2. Encasement of existing 27" sanitary sewer at Sta. 1+65' shall conform to detail on Sheet 5.
 - 3. Contractor shall remove existing 8" sanitary sewer from Sta. 4+45' to Sta. 7+66' to permit construction of the new force main and shall reconstruct it at its original location and elevation. All existing house laterals shall be reconnected to the new sewer. Exact locations of the house laterals are unknown. Sanitary sewer service shall be maintained throughout construction. Contractor shall construct new manhole on new sanitary sewer at Sta. 1+32' for air release system discharge.
 - 4. Contractor shall install top tangent outlet to south with 12" M.J. plug valve, blind flange and valve box as shown in Detail "A" at a location between Sta. 4+50' and Sta. 7+00', as determined by the Engineer in the field, where the center lines of the 12" outlet and existing 24" C.I. sanitary force main are coincident.

COMPILED BY PHOTOGRAMMETRIC METHODS BY
ABRAMS AERIAL SURVEY CORPORATION
 LANSING, MICHIGAN

DATE OF PHOTOGRAPHY OCTOBER 1970 DATE OF MAPPING FEBRUARY 1971

GREELEY AND HANSEN ENGINEERS
 14 E. JACKSON BOULEVARD
 CHICAGO, ILLINOIS 60604

DESIGNED JRT, RAK, TLW
 DRAWN AA
 CHECKED TLW

APPROVED _____
 DATE _____
 SUPT., DEPT. OF SANITARY SEWERS
 DATE _____
 GREELEY AND HANSEN, ENGINEERS

NO.	DATE	APP.	REVISION
10/24/79	TLW		Rev. Vert. Align. Sta. 1+88 to 7+66
10/24/79	TLW		Rev. Harnessed Length
10/24/79	TLW		Rev. Pipe Schedule
10/24/79	TLW		Add Notes
10/29/79	TLW		Rev. Title & Sheet Number

10182 C4 AS-BUILT CONTRACTOR SURVEY
 2/19/80 TLW Rev. Harnessed Length

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

CITY OF TAMPA, FLORIDA
 SEWAGE DISPOSAL SYSTEM
INTERBAY FORCE MAIN

△ DIVISION 4F5A
PLAN AND PROFILE
 STA. 0+20.2 TO STA. 7+66

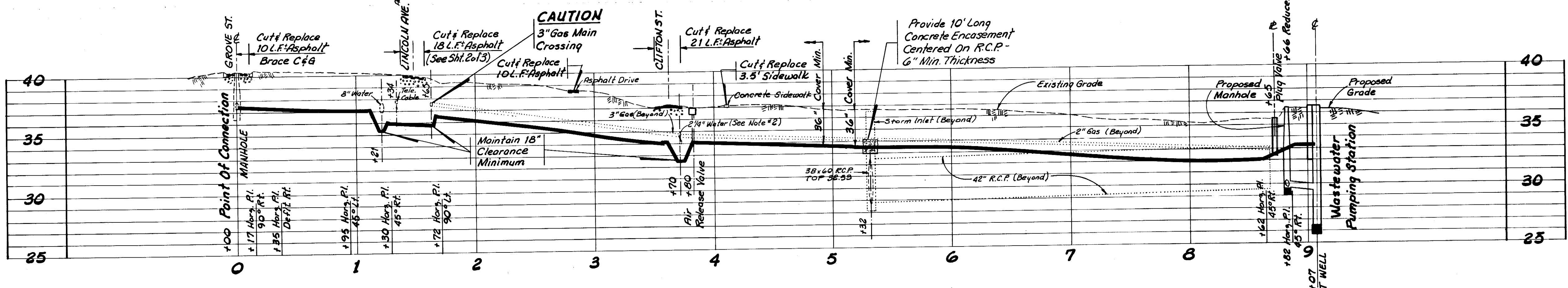
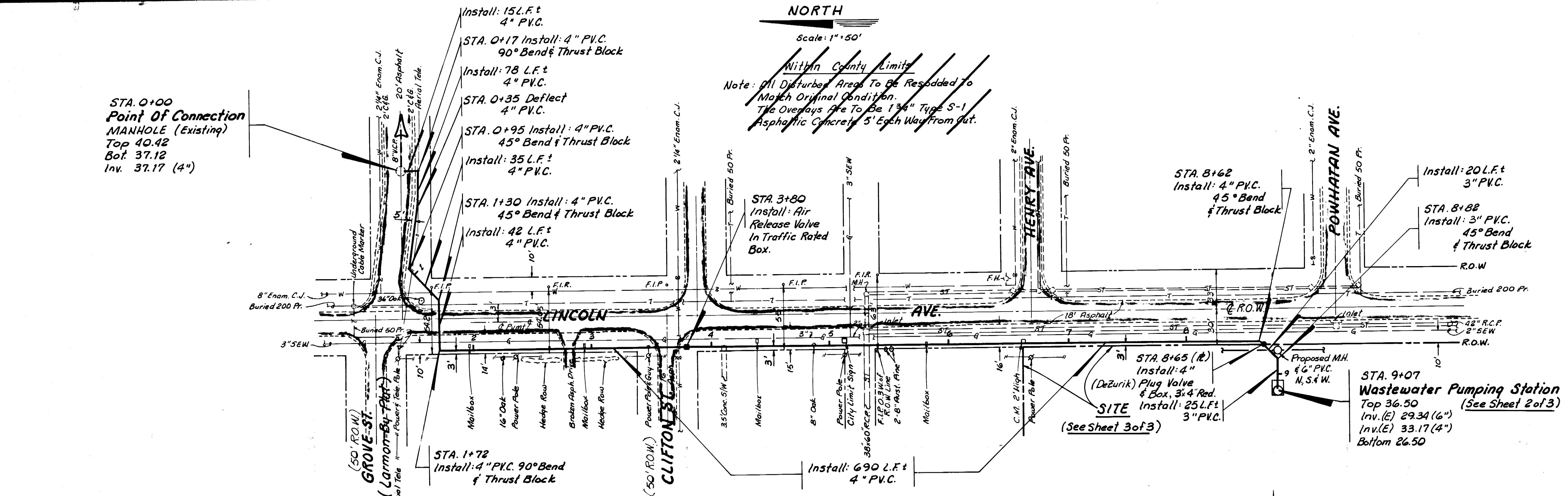
PROJ. NO. S202-70-30 D 4F5A
 SHEET 6 of 34
 DATE JAN 1973 REV. 6

172-007

NORTH
 Scale: 1"=50'

Within County Limits
 Note: All Disturbed Areas To Be Resodded To Match Original Condition.
 The Overlays Are To Be 1 3/4" Type S-1 Asphaltic Concrete 5' Each Way From Gut.

- NOTES**
1. Right Of Way Lines For Grove And Clifton Streets Are Inconsistent With Plat. No Job On Plat.
 2. Water Main Location In Clifton Street To Be Verified By CANDY.
 3. TECO Is Planning To Move The Existing Aerial Power Poles On The West Side Of Lincoln Avenue To 6' East Of The West Right Of Way Line.



PLAN AND PROFILE
 SCALES : 1" = 50' HORIZ.
 1" = 5' VERT.

LEGEND

- Existing San Pipe, Manhole & Flow
- Proposed Wastewater Force Main
- Existing Underground Tele Cable
- Existing Underground Gas Line
- Existing Stormwater Pipe & Structures
- Existing Edge Of Pavement
- Right Of Way / Property Line
- Existing Water Main

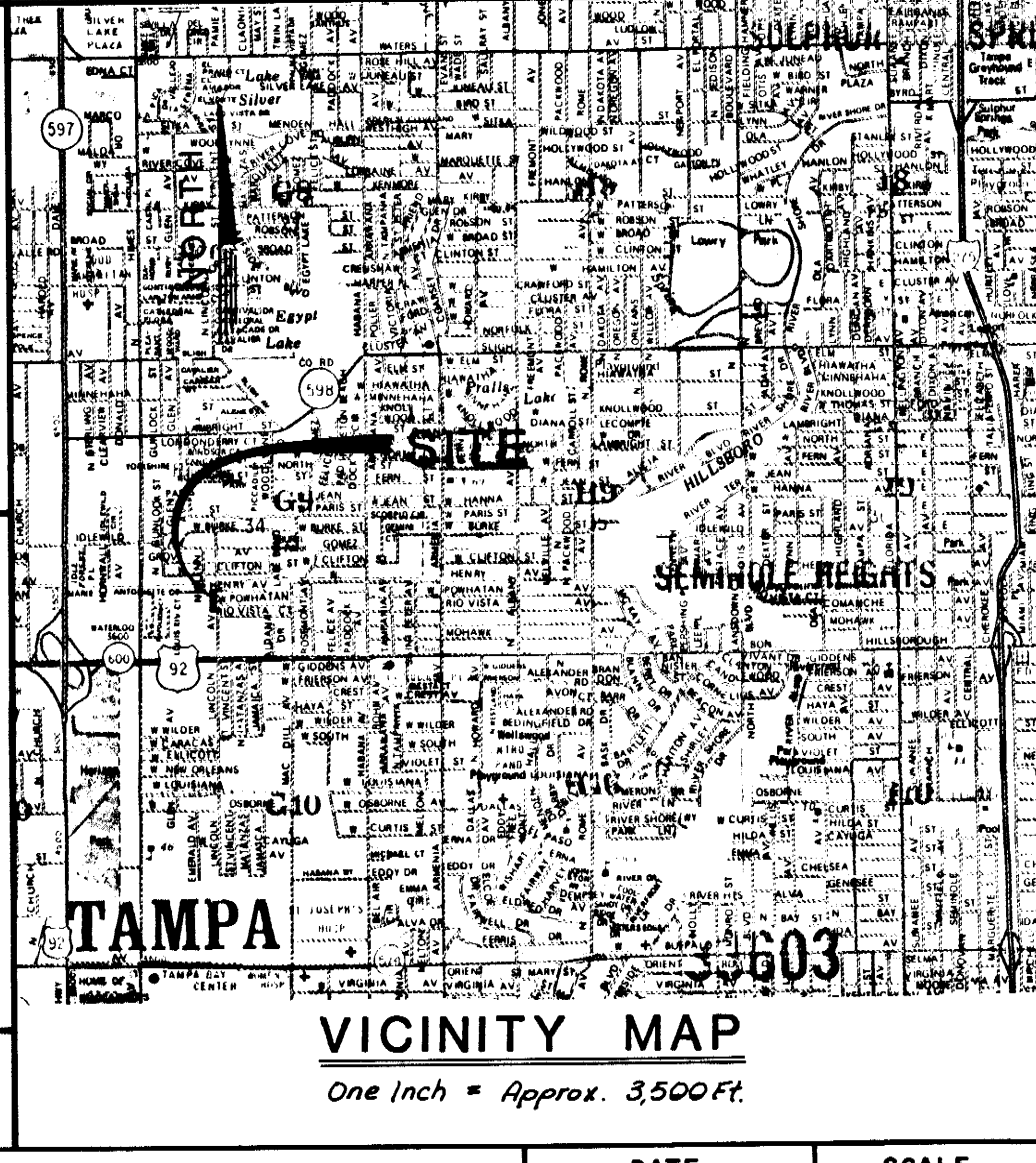
LEGAL DESCRIPTION

COMMENCE AT THE SOUTHEAST CORNER OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 34, TOWNSHIP 28 SOUTH, RANGE 18 EAST, HILLSBOROUGH COUNTY, FLORIDA; RUN THENCE N00°-04'-59"W, 774.76 FEET FOR THE POINT OF BEGINNING.

THENCE CONTINUE N00°-04'-59"W, 426.29 FEET TO A POINT; THENCE S89°-58'-40"W, 250.02 FEET TO A POINT; THENCE S00°-04'-32"E, 426.81 FEET; THENCE N89°-51'-32"E, 250.08 FEET TO THE POINT OF BEGINNING.

LESS ROAD R/W FOR LINCOLN AVENUE.

S.R. # 4963
 Atlas E-10



AS-BUILT JAN. 17, 1984

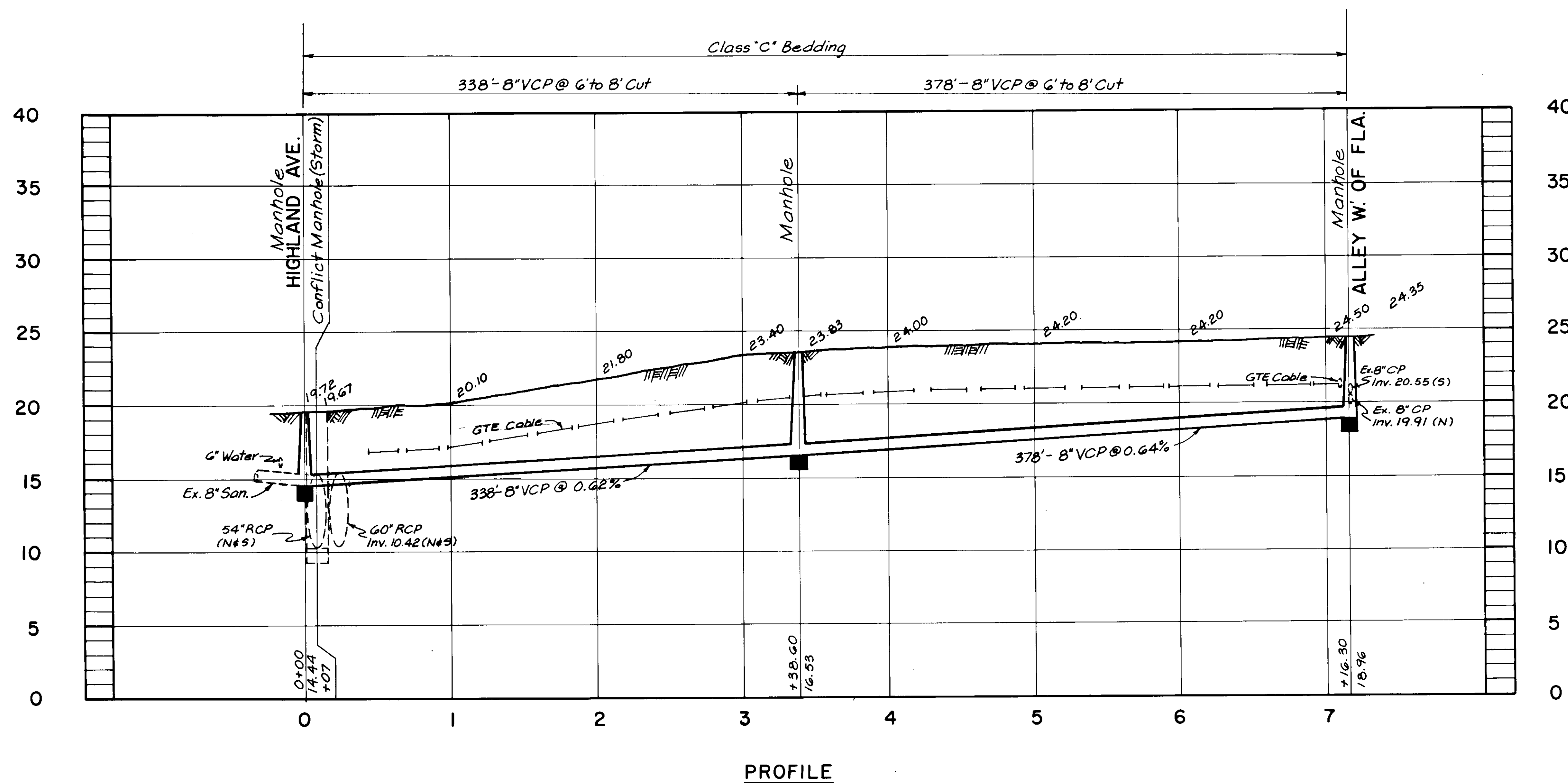
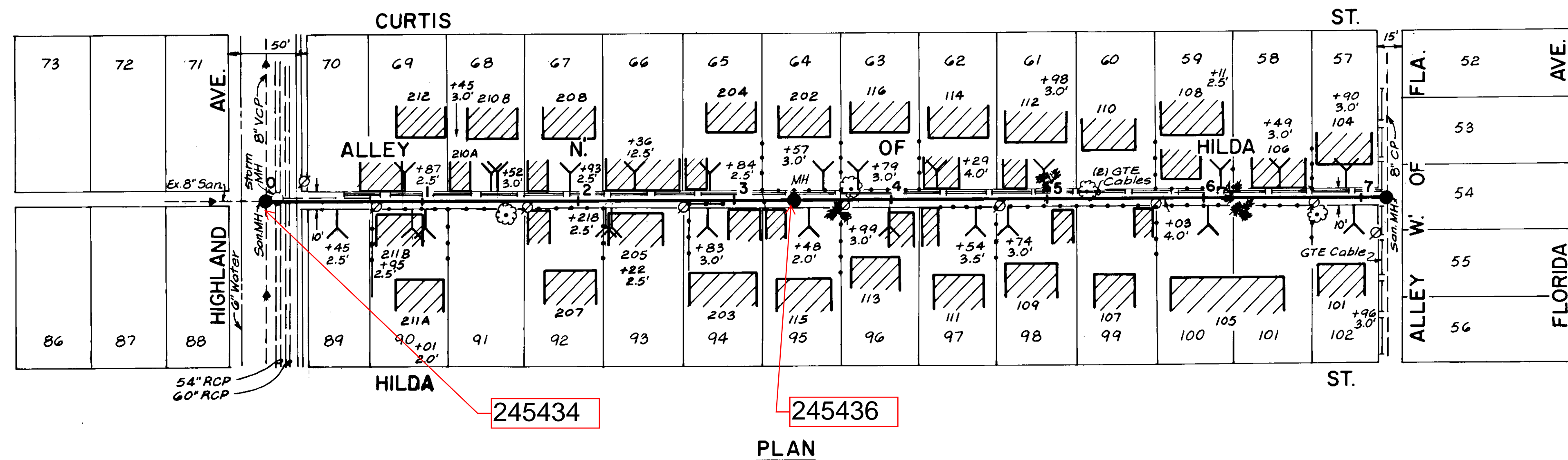
Robert E. Walker

DATE	REVISION	DRAWN
Jan 17 84	As-Built	RCS
Sept 9 83	Per Hillsborough County Road Department Letter Dated Aug 30, 1983	G.S.C.
Aug 30 83	Per City Of Tampa Department Of Sanitary Sewers Letter Dated Aug 12, 1983	G.S.C.

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC. CONSULTING ENGINEERS and ENVIRONMENTAL SCIENTISTS 5119 NORTH FLORIDA AVENUE - P.O. BOX 7854 - TAMPA, FLORIDA 33673	WASTEWATER FORCE MAIN HOME PRIDE BUILDERS INC. 5702-24 NORTH LINCOLN AVENUE APARTMENTS TAMPA, FLORIDA		DATE JUNE 1983	SCALE HORIZ 1"=50' VERT 1"=5'
	DESIGNED BY: REW DRAWN BY: GSC CHECKED BY: REW	JOB NUMBER 83031		SHEET 1 of 3

P175-4847

MEADBROOK RESUB.

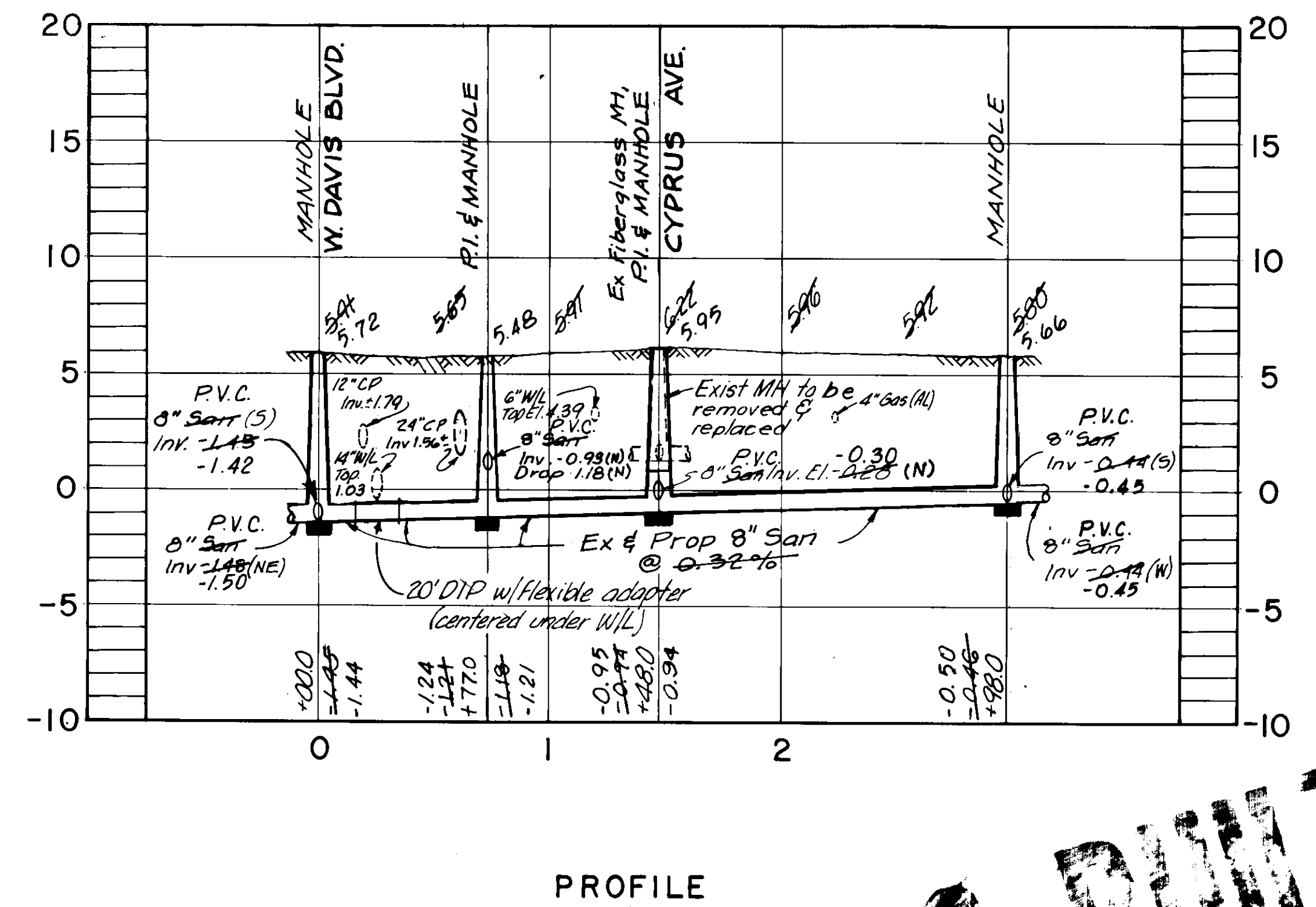
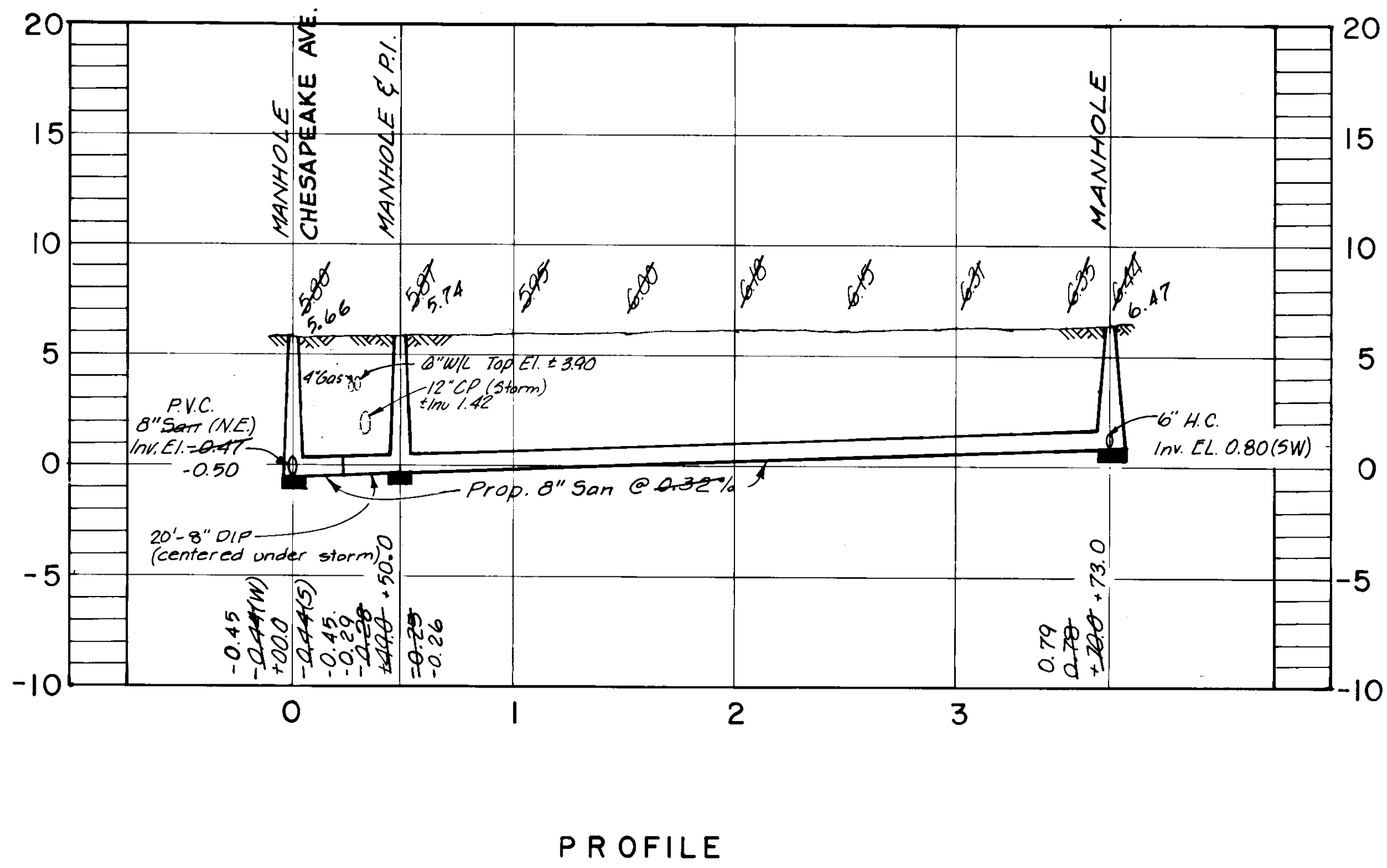
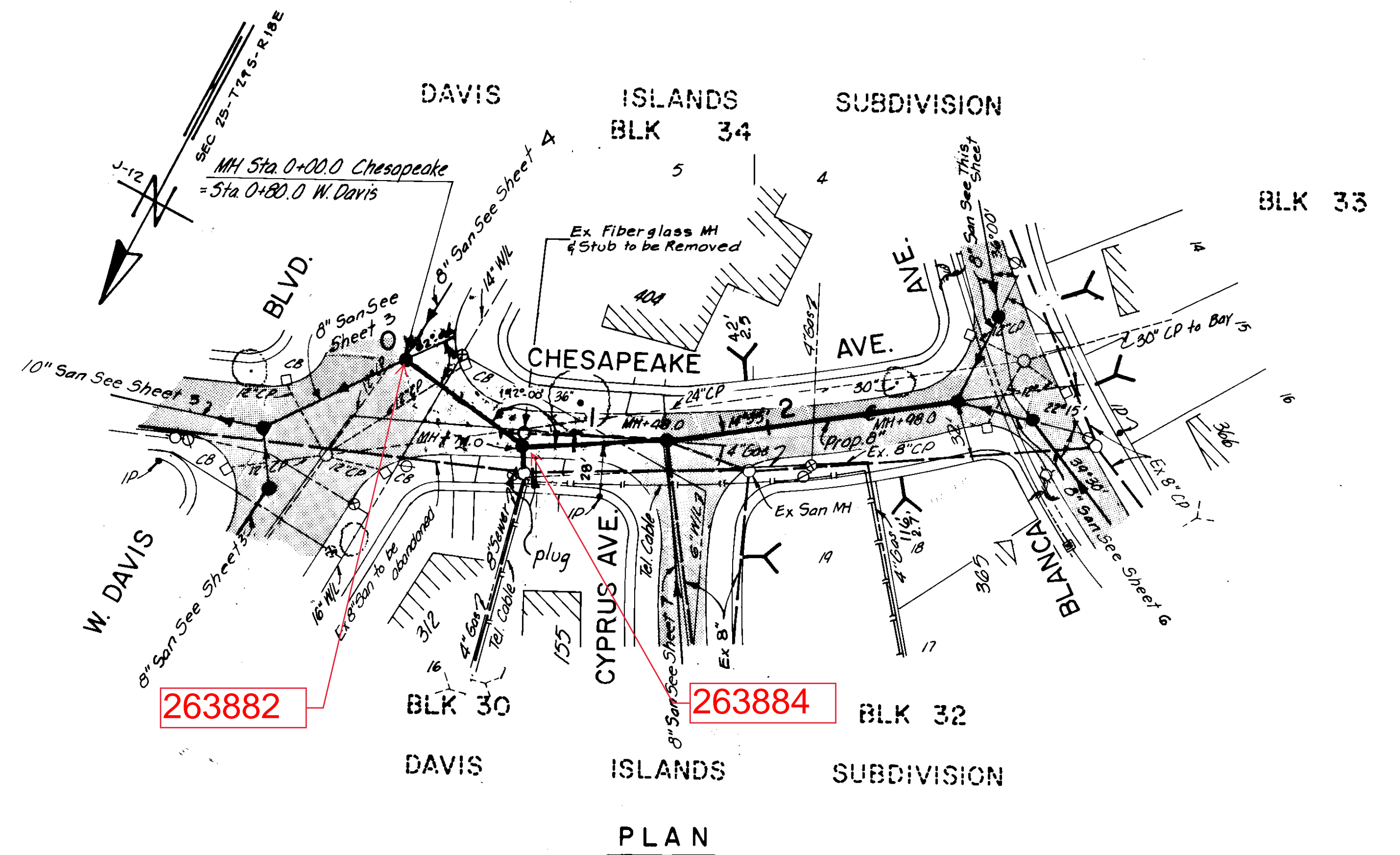
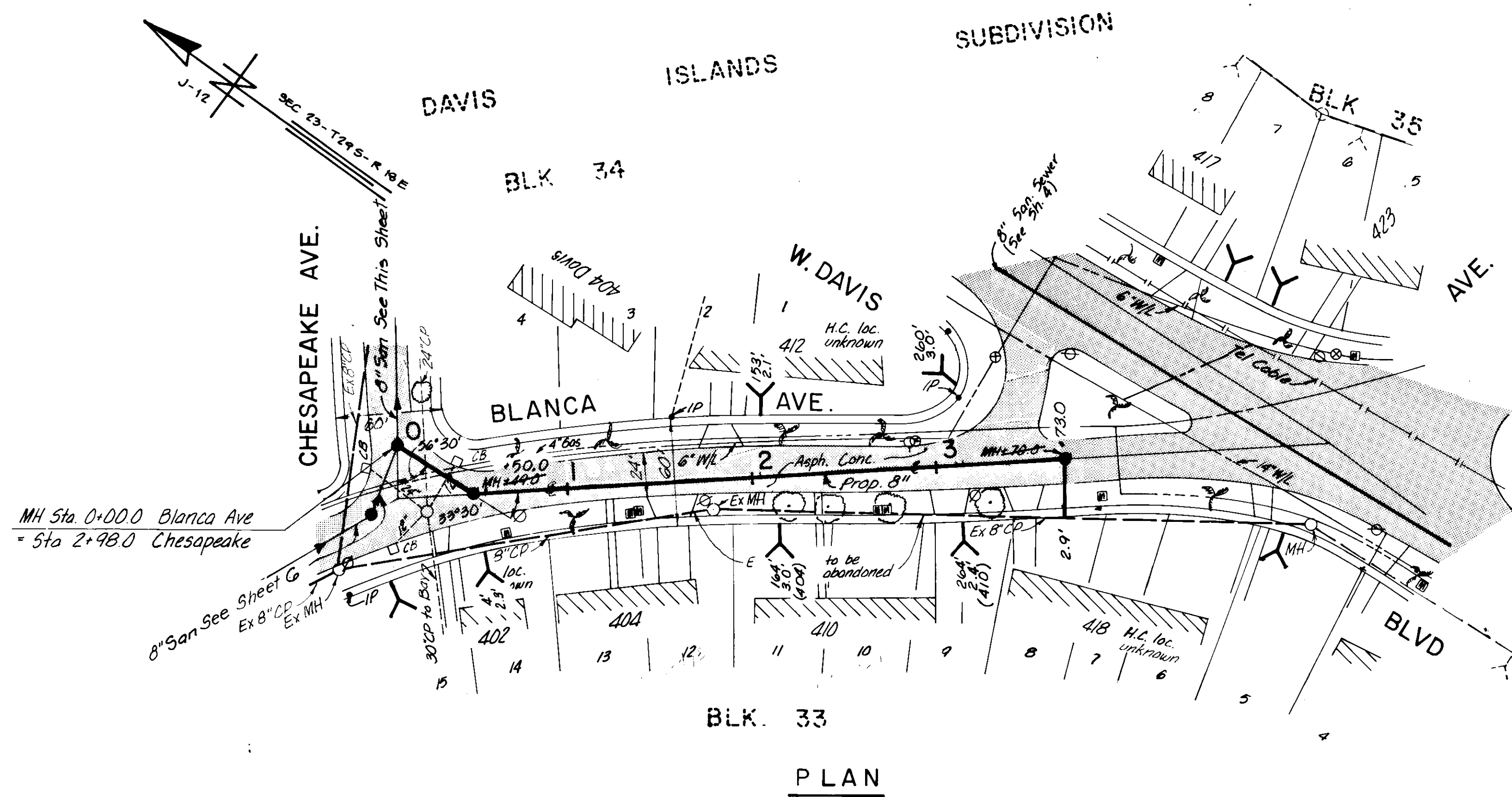


AS BUILT
W.A. 5/6/87

P.N. 5521

DES: DRN: W. A. CKD: DATE:	APPROVED BY JACK P. MORRIS, P.E. DIRECTOR DEPARTMENT OF SANITARY SEWERS	NO. 1	DATE	REVISIONS	SCALE 1" = 50' 	DEPARTMENT OF SANITARY SEWERS CITY OF TAMPA, FLORIDA	ALLEY NORTH OF HILDA ST. Highland Ave. to Alley West of Florida Ave.	SHEET 1 OF 1
		2						
		3						
		4						
		5						

C 230-029 877



AS BUILT

TBM Elev. 641
 "a" Cut on C.B., SW corner
 Erie & Chesapeake

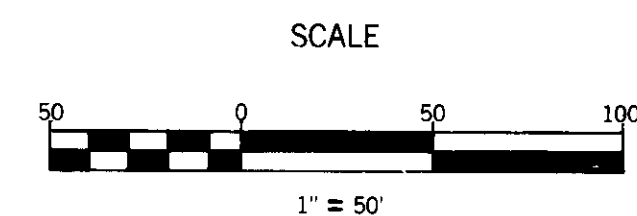
BRUNING 44.132.29917

Andrew T. Cronberg
 ANDREW T. CRONBERG, PE #32560
 CHIEF ENGINEER
 DEPARTMENT of SANITARY SEWERS

DES: MJA
 DRN: DEP/ E.R./03
 CKD: DW
 DATE: 10-3-82

APPROVED BY
Jack P. Morriss
 JACK P. MORRISS, PE
 DIRECTOR
 DEPARTMENT of SANITARY SEWERS

NO.	DATE	REVISIONS
1	5/93	AS-BUILTS Per Insp. Rpt., Survey
2		
3		
4		
5		



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

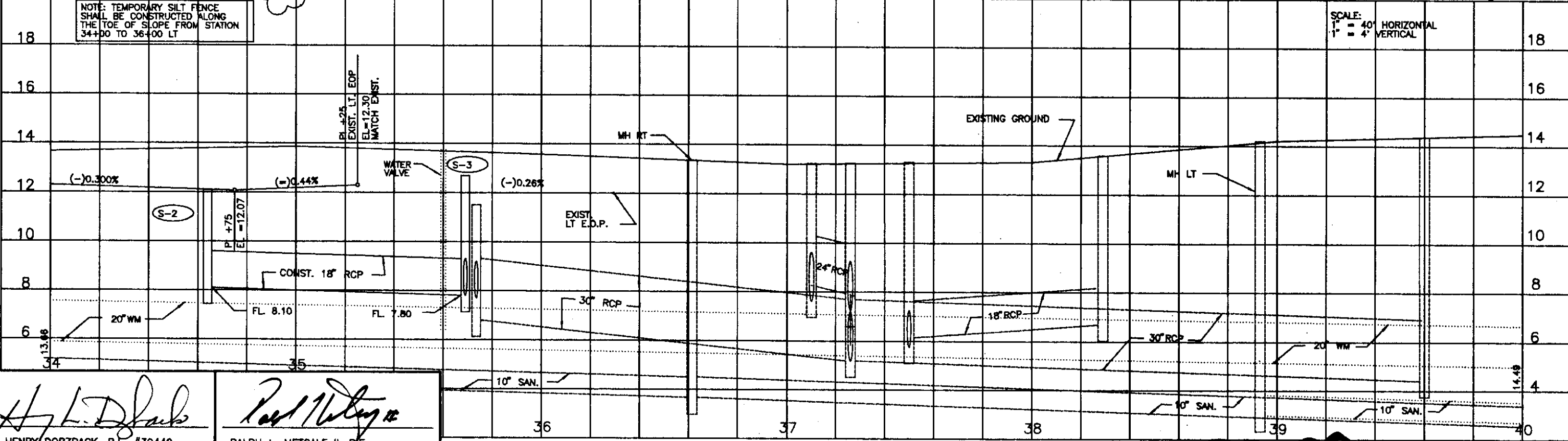
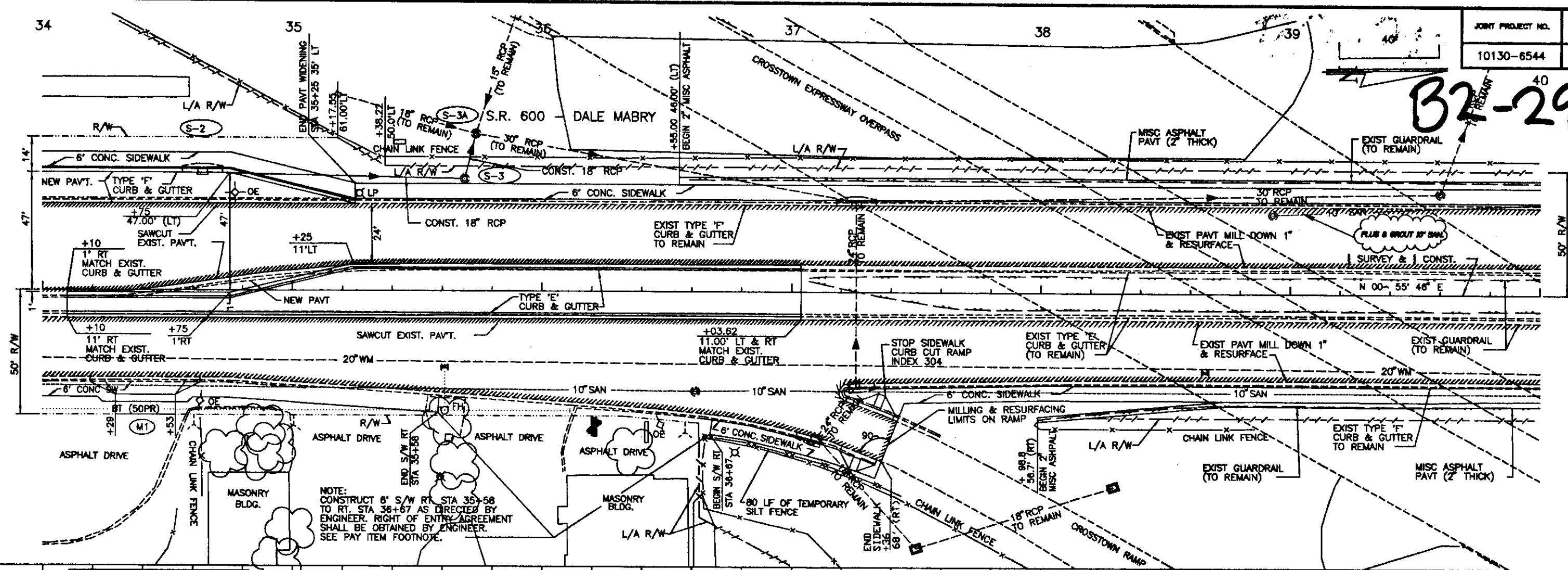
CHESAPEAKE AVE: W. Davis Blvd to Blanca Ave
 BLANCA AVE: Chesapeake Ave to W. Davis Blvd

SHEET
5

251-251-021

OF 11

B2-29



NOTE: TEMPORARY SILT FENCE SHALL BE CONSTRUCTED ALONG THE TOE OF SLOPE FROM STATION 34+00 TO 36+00 LT

SCALE:
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

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

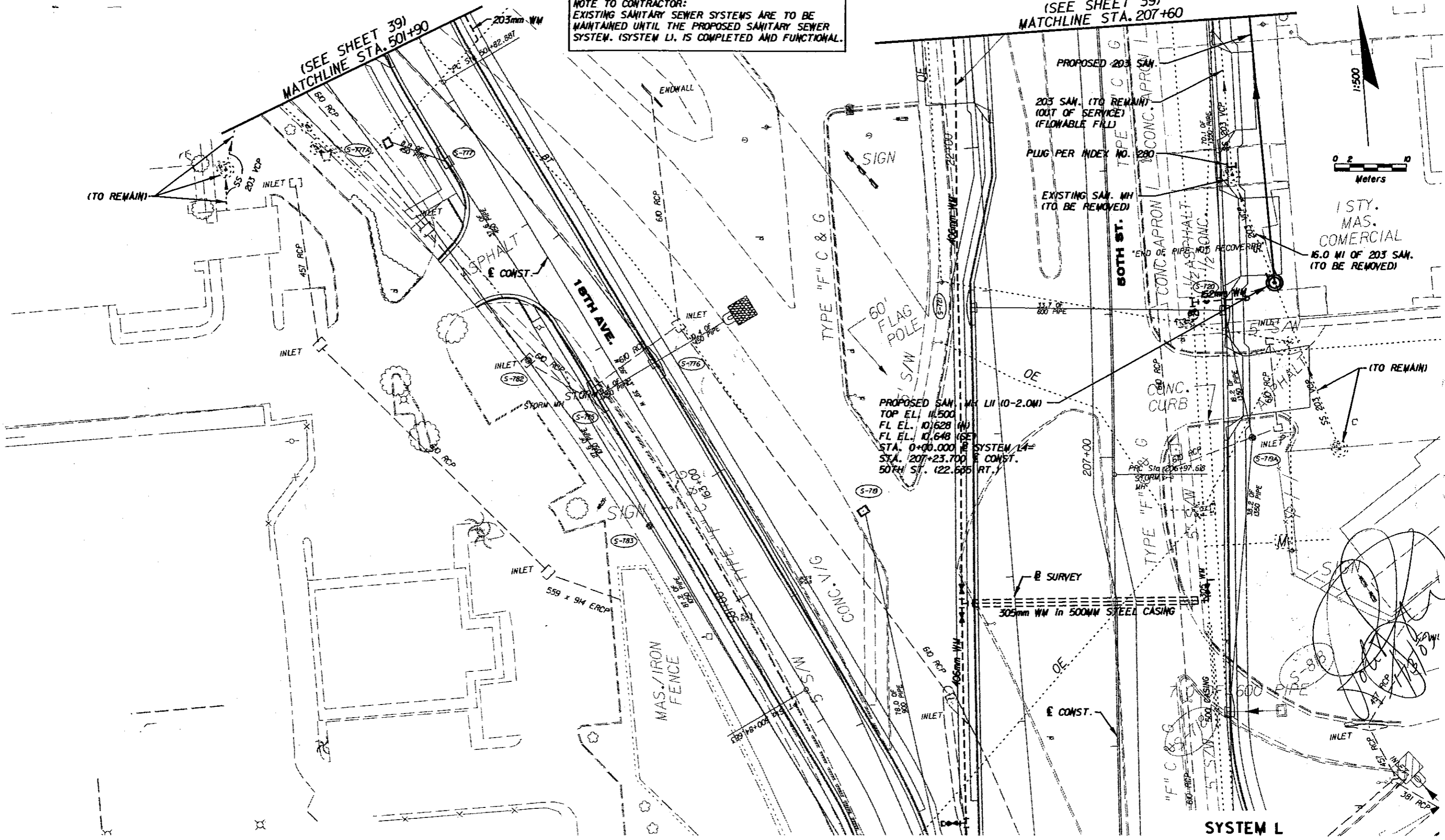
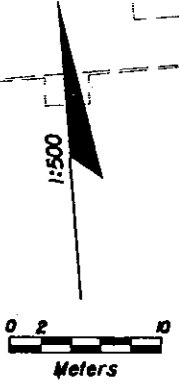
Ralph L. Metcalf II
 RALPH L. METCALF II, P.E.
 DIRECTOR
 DEPARTMENT OF SANITARY SEWERS

B2-29
 PLAN/PROFILE

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

(SEE SHEET 39)
MATCHLINE STA. 207+60

(SEE SHEET 39)
MATCHLINE STA. 501+90



1STY.
MAS.
COMERCIAL
16.0 MI OF 203 SAN.
(TO BE REMOVED)

PROPOSED SAN. MH LI (0-2.0M)
TOP EL. 11.500
FL EL. 10.628 (M)
FL EL. 10.648 (SE)
STA. 0+00.000 @ SYSTEM L4
STA. 207+23.700 @ CONST.
50TH ST. (22.605 RT.)

SYSTEM L

05/10/2011 05:13:71.10 PM h:\s\1\2\off\amp\sewer\303p\sewrrd21.dwg

REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED

PREPARED BY:
Robert D. Spayn
P.E. License No. 42710
Parsons Brinckerhoff
Quade & Douglas, Inc.
5405 West Cypress St., Suite 300
Tampa, Florida 33607
PHONE: (813) 289-5300
FAX: (813) 289-5300
Certificate of Authorization
No. 01462



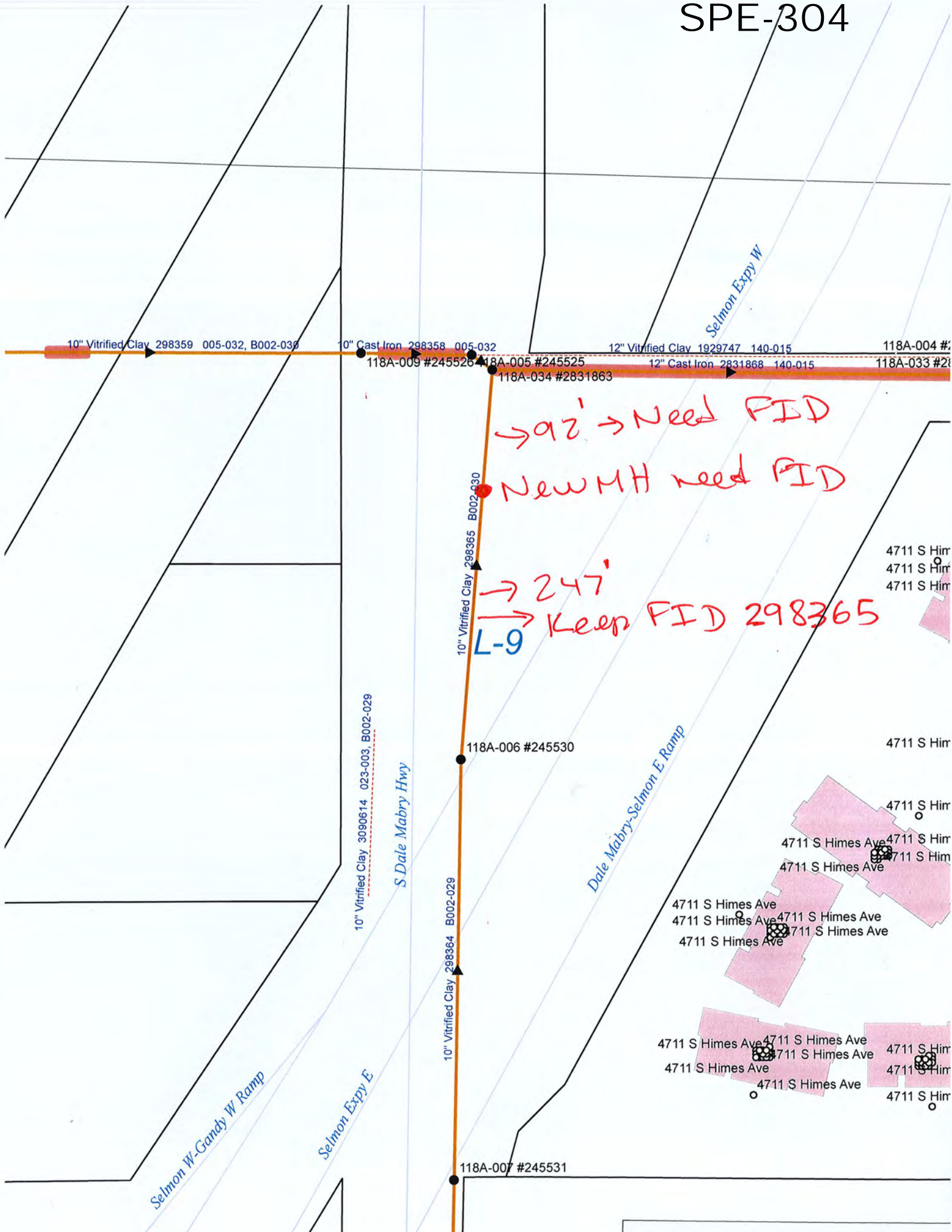
CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS
306 E. JACKSON ST., 6E
TAMPA, FLORIDA 33602
PHONE: (813) 274-8029
FAX: (813) 274-8448

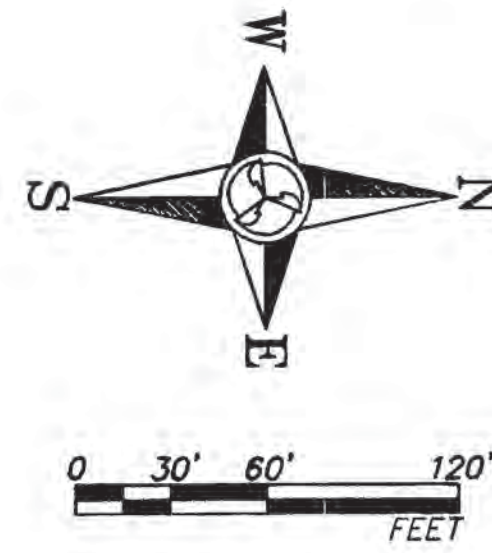
APPROVED BY:

LICENSE NO.

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

B030-040

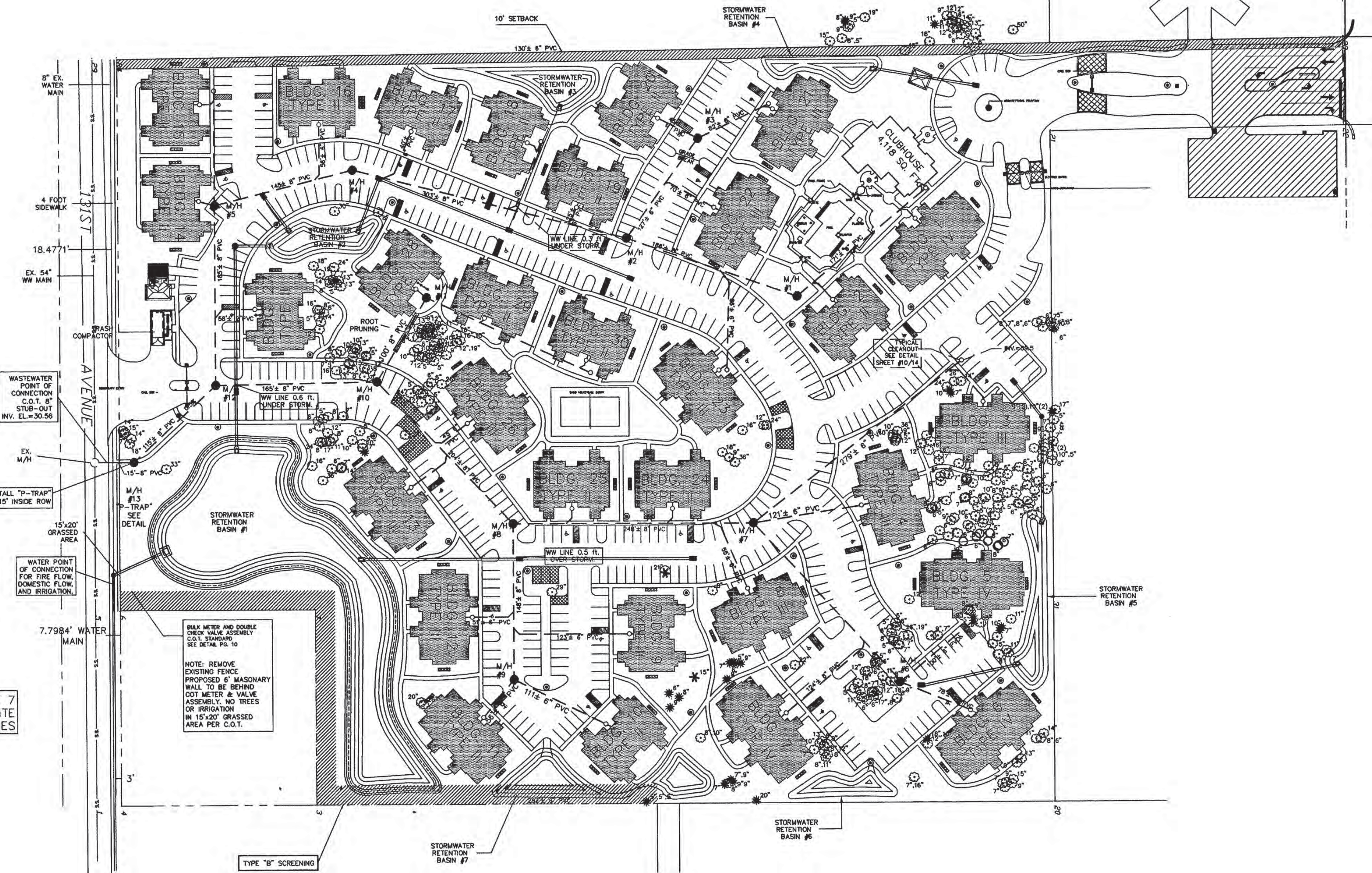




SANITARY MANHOLE				
	TOP	N. INV.	S. INV.	E. INV.
1	41.48	36.73	36.85	
2	40.47	34.77	34.66	34.86
3	40.80	35.44	35.43	35.40
4	40.16	33.48	33.44	
5	39.95	32.84	34.77	32.75
6	40.91	38.29		38.27
7	40.40	37.22	37.21	37.22
8	39.59	36.24		36.13
9	40.53	38.19		38.03
10	40.38		35.25	35.38
11	40.18	35.81	35.80	35.78
12	39.30	32.08	31.95	32.11
13	39.51	NW 31.37	30.72	

*P-TRAP REQUIRED
BOTTOM 29.25'
AUGUST 5, 2002

SEE SHEET 7
FOR OFF-SITE
UTILITIES



AS-BUILT DRAWINGS
I hereby certify that these "As-Built Drawings" reflect all significant changes and addenda approved during the construction process. They are based upon marked-up prints, drawings and other information furnished to the Engineer by the Contractor and show the completed construction to the best of my knowledge and belief.
Field Engineer: [Signature] Date: 11/2/02

ENVIRONMENTAL CONSULTANTS, INC.
CONSULTING ENGINEERS AND ENVIRONMENTAL SCIENTISTS
5119 NORTH FLORIDA AVENUE, P.O. BOX 7854, TAMPA, FLORIDA 33673

DESIGNED: R.E.W. DRAWN: S.L.T. CHECKED: R.E.W.

WASTEWATER AS-BUILT
ROYAL PALM KEY APARTMENTS
RICHMAN GROUP OF FLORIDA, INC.
FLETCHER AVENUE
TAMPA, FLORIDA

DATE:	SCALE:
OCT. 2002	1"=60'
JOB NUMBER:	SHEET:
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