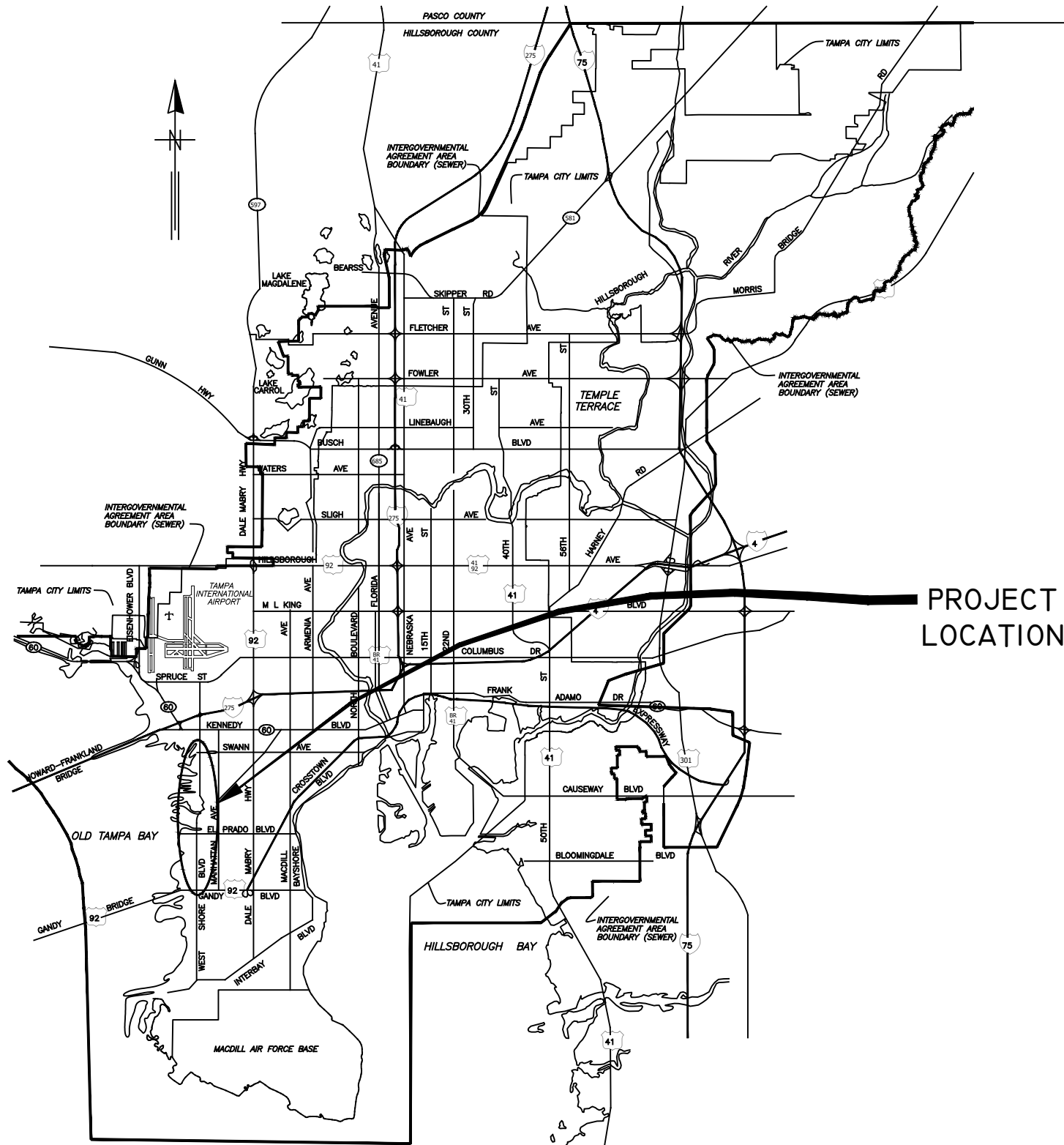


LOCATION MAP



PROJECT LOCATION

CITY of TAMPA



WASTEWATER DEPARTMENT

PLANS FOR

WESTSHORE BLVD BETWEEN GANDY AND CLEVELAND GRAVITY SEWER REHABILITATION BY CIPP

CONTRACT NO.
23-C-00010

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

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

#	DATE	REVISIONS
1		
2		
3		

DES: JK
DRN: GP
CKD:
DATE:

CITY of TAMPA
WASTEWATER DEPARTMENT

Westshore Blvd Between Gandy And Cleveland Gravity
Sewer Rehabilitation By CIPP

COVER SHEET

SHEET

1

GENERAL NOTES

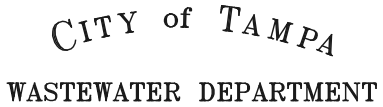
1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 10", 12", 15", AND 18" DIA WASTEWATER PIPELINE BY INSTALLATION OF CURED IN PLACE PIPE LINER AND ALL APPURTENANCE ASSOCIATED WITH COMPLETION OF THE PROJECT.
2. ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO N.G.V.D. 1929 UNLESS OTHERWISE STATED AND ARE BASED ON RECORD DRAWINGS.
3. SHEETS 15-44 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. REFER TO SPECIFIC MOT REQUIREMENTS IN NOTE 17 BELOW
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", 600 GPM FOR 10", 800 GPM FOR 12", 1450 GPM FOR 15", AND 1550 GPM FOR 18" THE BYPASS PUMPS SHALL BE OF THE SELF PRIMING QUIET FLOW TYPE PUMP. BYPASS PUMP NOISE SHALL STRICTLY COMPLY TO ALL LOCAL REGULATIONS AND ORDINANCES COVERING NOISE CONTROL. THIS MAY REQUIRE CONSTRUCTING SOUND ATTENUATING ENCLOSURE AROUND PUMPS. BYPASS METHOD SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER.
9. THE PROPOSED LINER THICKNESS FOR THE 8" SEWER SHALL BE 6.0 MM THICKNESS,, 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. DURING THE MANHOLE'S INTERIOR CLEANING OPERATION, THE CONTRACTOR MUST PROVIDE A MEANS OF CAPTURING AND DISPOSING OF THE REMOVED DEBRIS. THIS METHOD SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
14. ALL EXPOSED STEEL REINFORCEMENT SHALL BE THOROUGHLY CLEANED OF ANY DETERIORATION/RUST AND COATED WITH THE PROPOSED COATING SYSTEM.
15. ALLOWABLE WORK HOURS ON WEST SHORE BOULEVARD WILL BE FROM 9AM TO 4PM ON THE WEEKDAYS AND 9AM TO 8PM ON THE WEEKENDS. WORK TIMES ARE LIMITED TO DAY TIME HOURS DURING THE WEEKEND DUE TO NOISE CONCERNS IN THE NEIGHBORHOOD. CONTRACTOR SHALL CONTINUOUSLY MAINTAIN ONE LANE OF TRAFFIC UTILIZING FLAGGING OPERATIONS. FLAGGING OPERATIONS SHALL BE IN ACCORDANCE WITH FDOT INDEXES 600, 601, 602, 603, 604 AND 605. CONTRACTOR WILL BE RESPONSIBLE TO OBTAIN ACCELA PERMITS THROUGH THE CITY FOR THIS WORK.
16. THIS PROJECT INCLUDES REHABILITATION OF MANHOLES BY APPLICATION OF A STRUCTURAL COATING SYSTEM AND ALL APPURTENANCES ASSOCIATED WITH THE PROJECT.
17. DUE TO THE AREA OF WORK ALONG WESTSHORE BLVD. THE FOLLOWING WILL NEED TO BE UTILIZED FOR TRAFFICE CONTROL:
 - a. SHEET 4 - MANAGE WITH SINGLE INSIDE LANE CLOSURES AS NEEDED WITH TAMPA POLICE DEPARTMENT (TPD) CONTROL AT AZEELE ST.
 - b. SHEET 5-8 - FLAGGING OPERATION FOR LOCAL TRAFFIC. DETOUR FOR ALL OTHER TRAFFIC ON BAY TO BAY, LOIS AND KENNEDY.
 - c. SHEET 9-10 - FLAGGING OPERATION FOR LOCAL TRAFFIC. DETOUR FOR ALL OTHER TRAFFIC ON EUCLID, MANHATTAN AND BAY TO BAY BLVD.
 - d. SHEET 11-12 - FLAGGING OPERATION FOR LOCAL TRAFFIC. DETOUR FOR ALL OTHER TRAFFIC ON GANDY, MANHATTAN AND EL PRADO.
18. THE TAMPA POLICE DEPARTMENT WILL BE PAID FOR UTILIZING CONTINGENCY FUNDS.

INDEX	
SHEET NUMBER	SHEET NAME
1	COVER SHEET
2	NOTE AND INDEX
3-11	AREA MAPS
12-13	MANHOLE DETAILS
14-33	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.

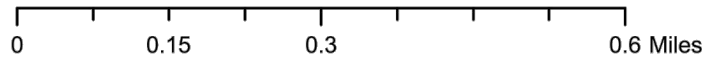
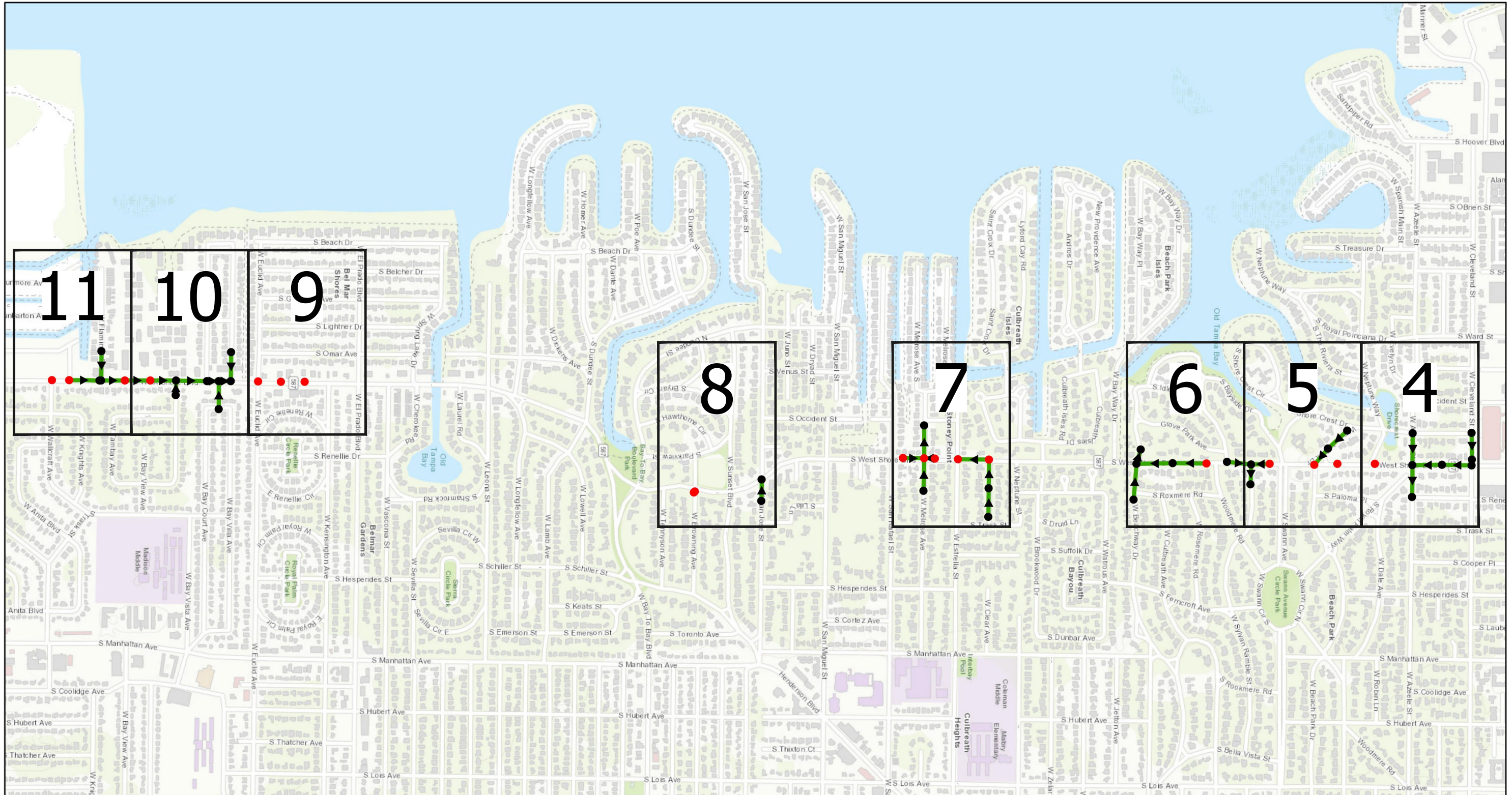
PROPOSED MANHOLE COATING SYSTEM THICKNESS	
Location	Coating System
Manhole Barrel	250 MILS (MIN)
Manhole Benches	250 MILS (MIN)

a.

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	#	DATE	REVISIONS	DES: JK		Westshore Blvd Between Gandy And Cleveland Gravity Sewer Rehabilitation By CIPP	SHEET 2
	1			DRN: GP			
	2			CKD:			
	3			DATE:			
						NOTES & INDEX	

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 Layout: Jul 14, 2023 - 1:37pm

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 Layout: Jul 14, 2023 - 1:37pm CTB - MONO - RED-GREEN.CTB TOSHIBA_UNL_COLOR (NORTH WING)



Legend

- Ex Manhole (no rehabilitation required)
- Proposed Manhole Rehabilitation
- Ex CIPP Lined or PVC Wastewater (no rehabilitation required)
- Ex Wastewater (no rehabilitation required)
- Proposed Lining Area



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

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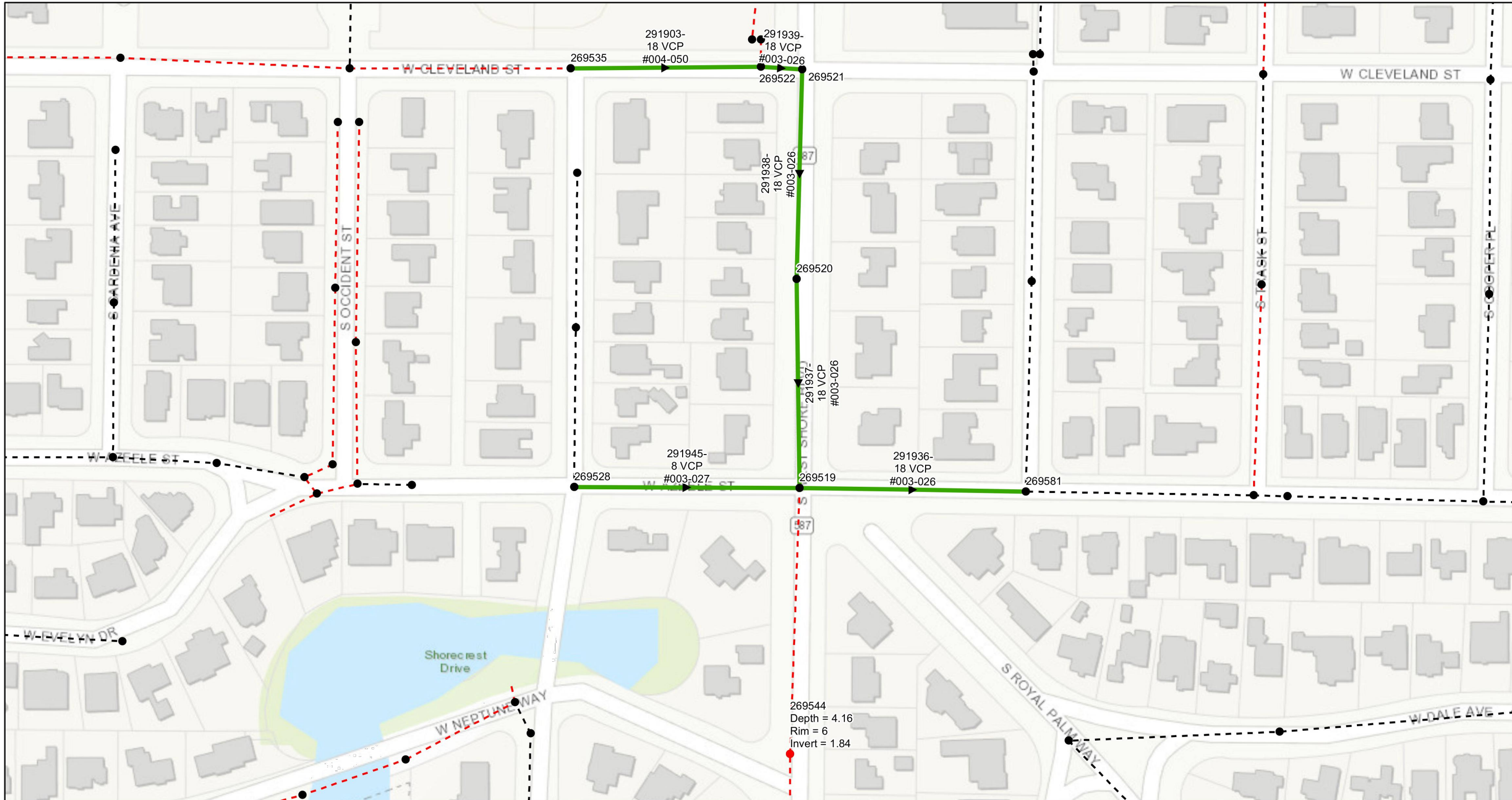
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Westshore Blvd Between Gandy And Cleveland Gravity
 Sewer Rehabilitation By CIPP
 OVERVIEW LOCATION MAP

SHEET
3

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 Layout: Jul 14, 2023 - 1:37pm CTB - MONO - RED-GREEN,CTB TOSHIBA_UNL_COLOR (NORTH WING)



0 0.0225 0.045 0.09 Miles

Legend

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

#	DATE	REVISIONS
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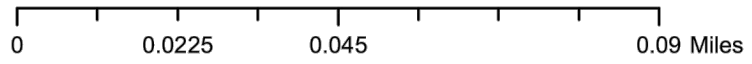
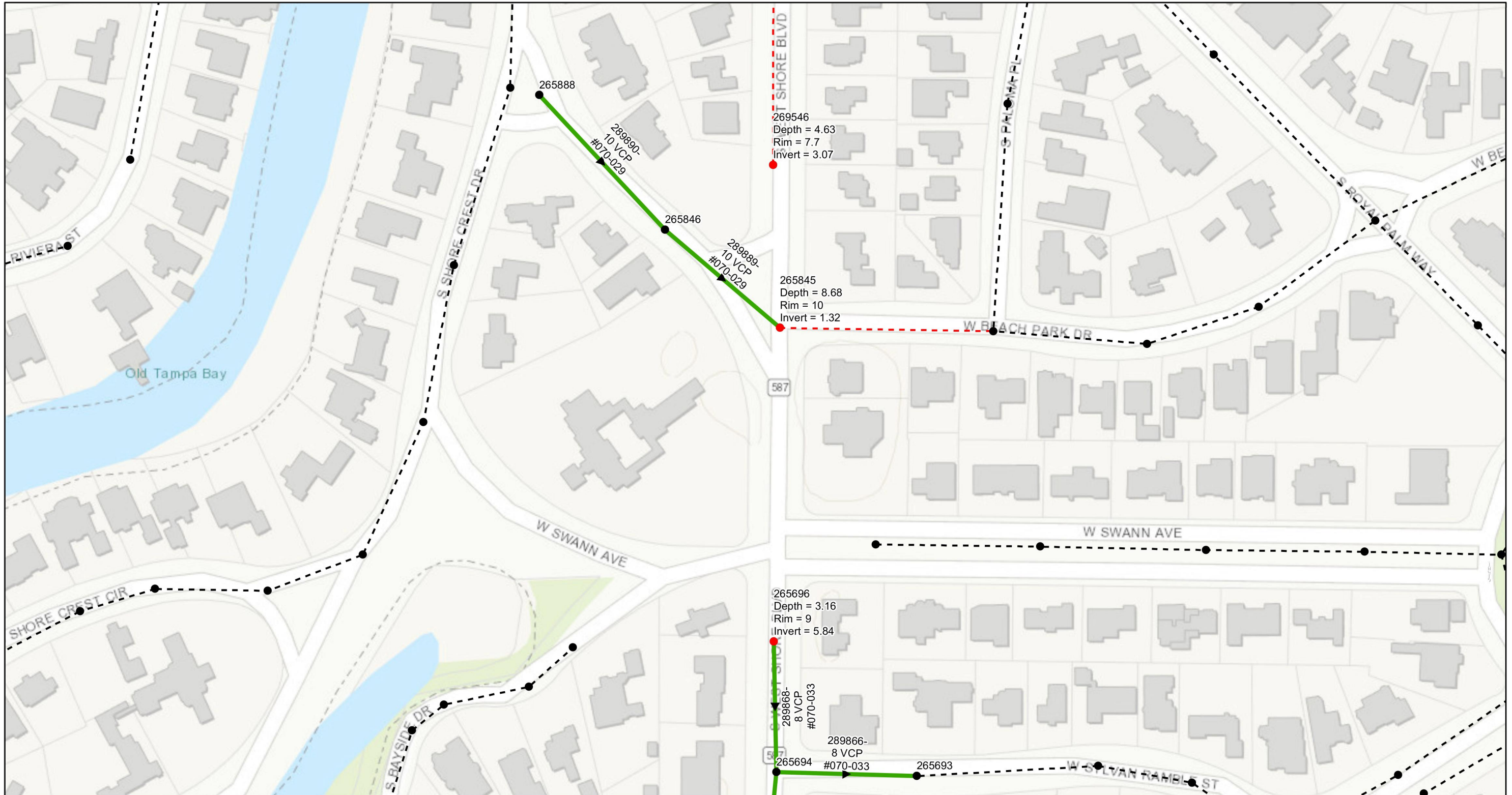
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Westshore Blvd Between Gandy And Cleveland Gravity
 Sewer Rehabilitation By CIPP
 AREA MAP 1

SHEET
4

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



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

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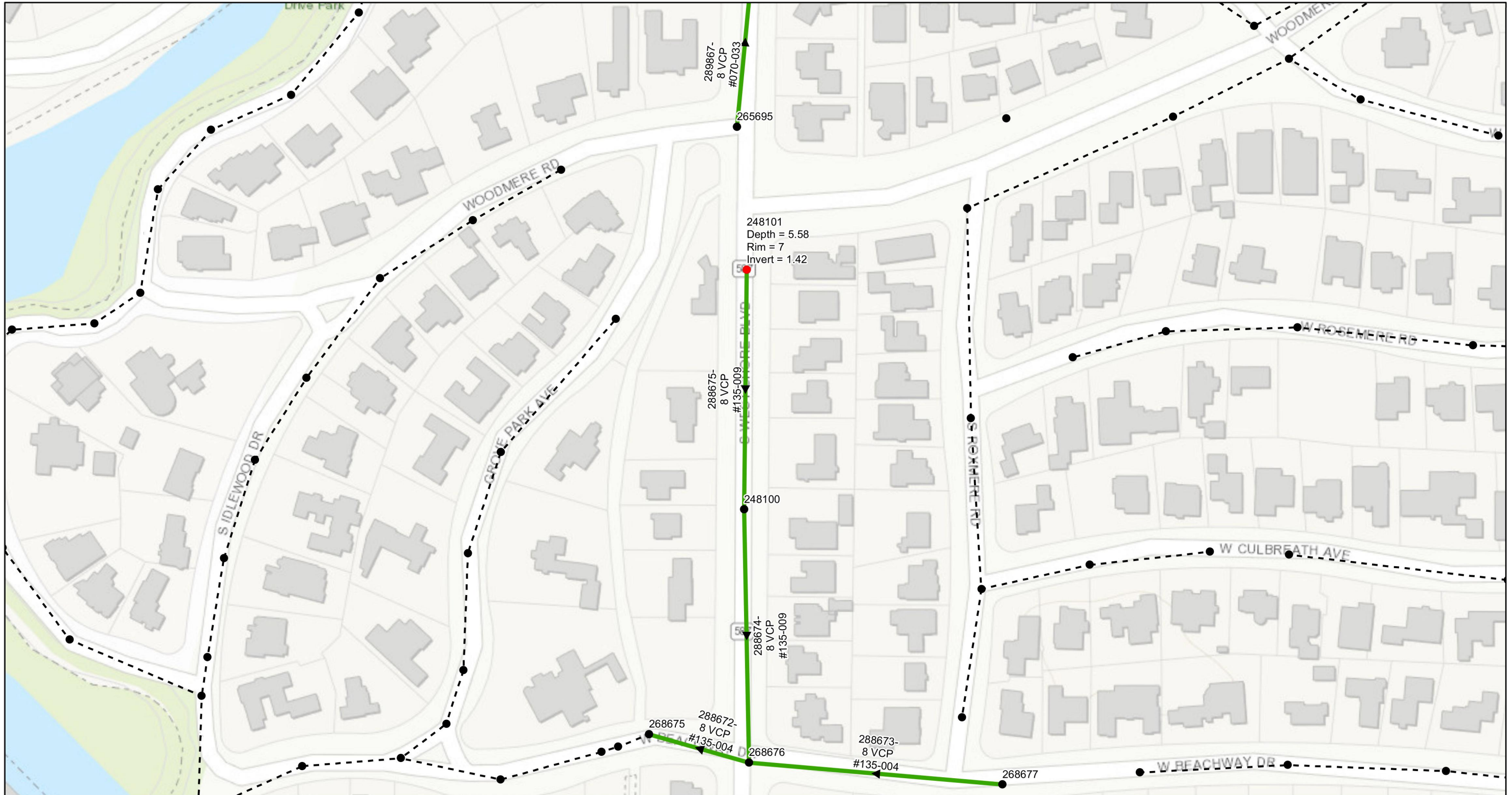
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Westshore Blvd Between Gandy And Cleveland Gravity
 Sewer Rehabilitation By CIPP
 AREA MAP 2

SHEET
 5

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0 0.0225 0.045 0.09 Miles

- Legend**
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JACINTO CARLOS FERRAS, P.E. #49454
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 WASTEWATER DEPARTMENT

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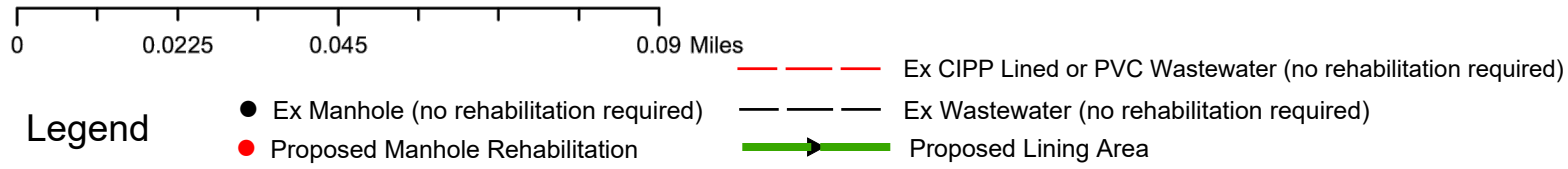
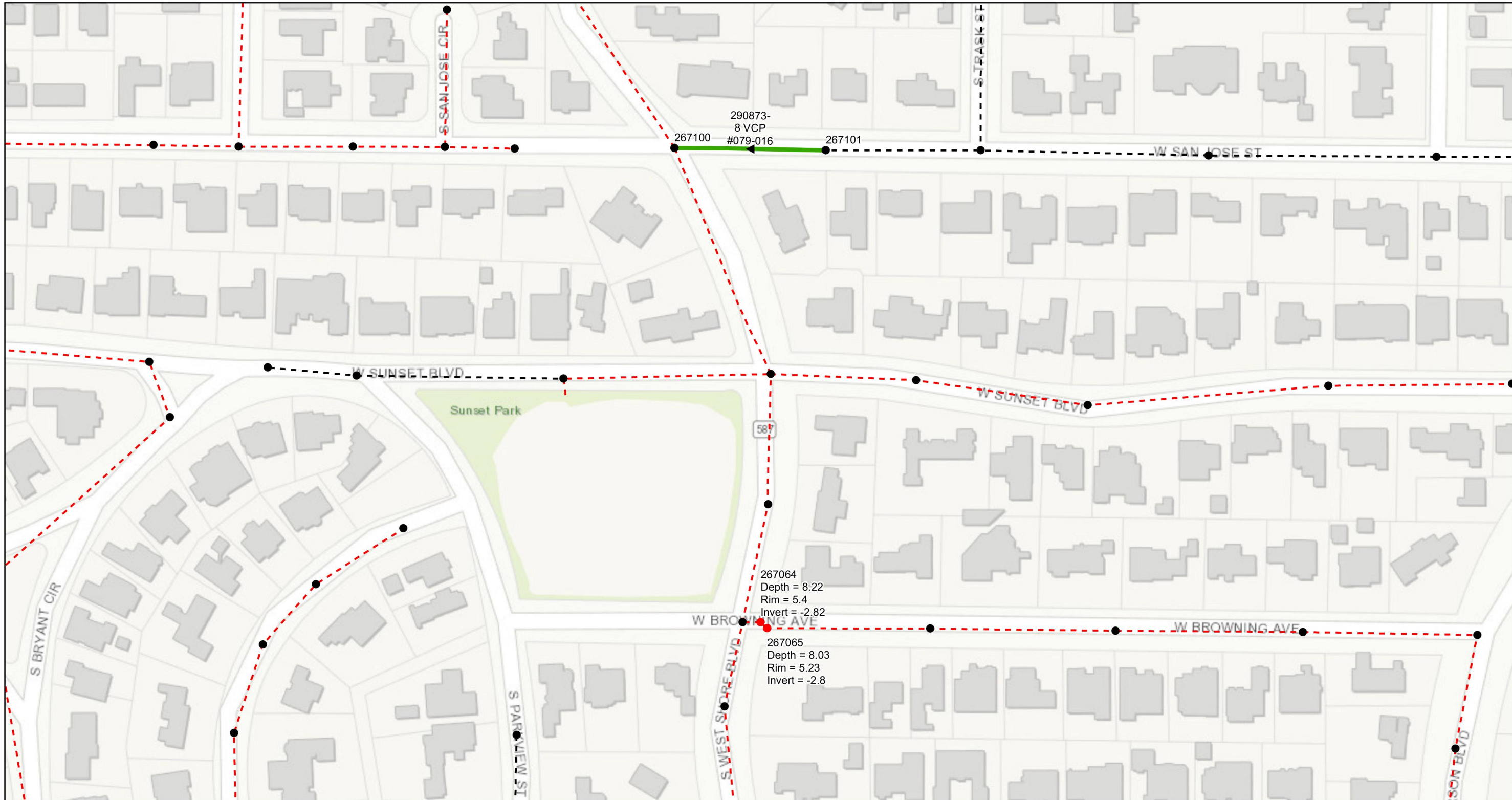
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Westshore Blvd Between Gandy And Cleveland Gravity
 Sewer Rehabilitation By CIPP
 AREA MAP 3

SHEET
 6

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

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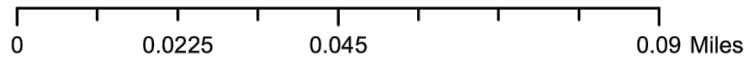
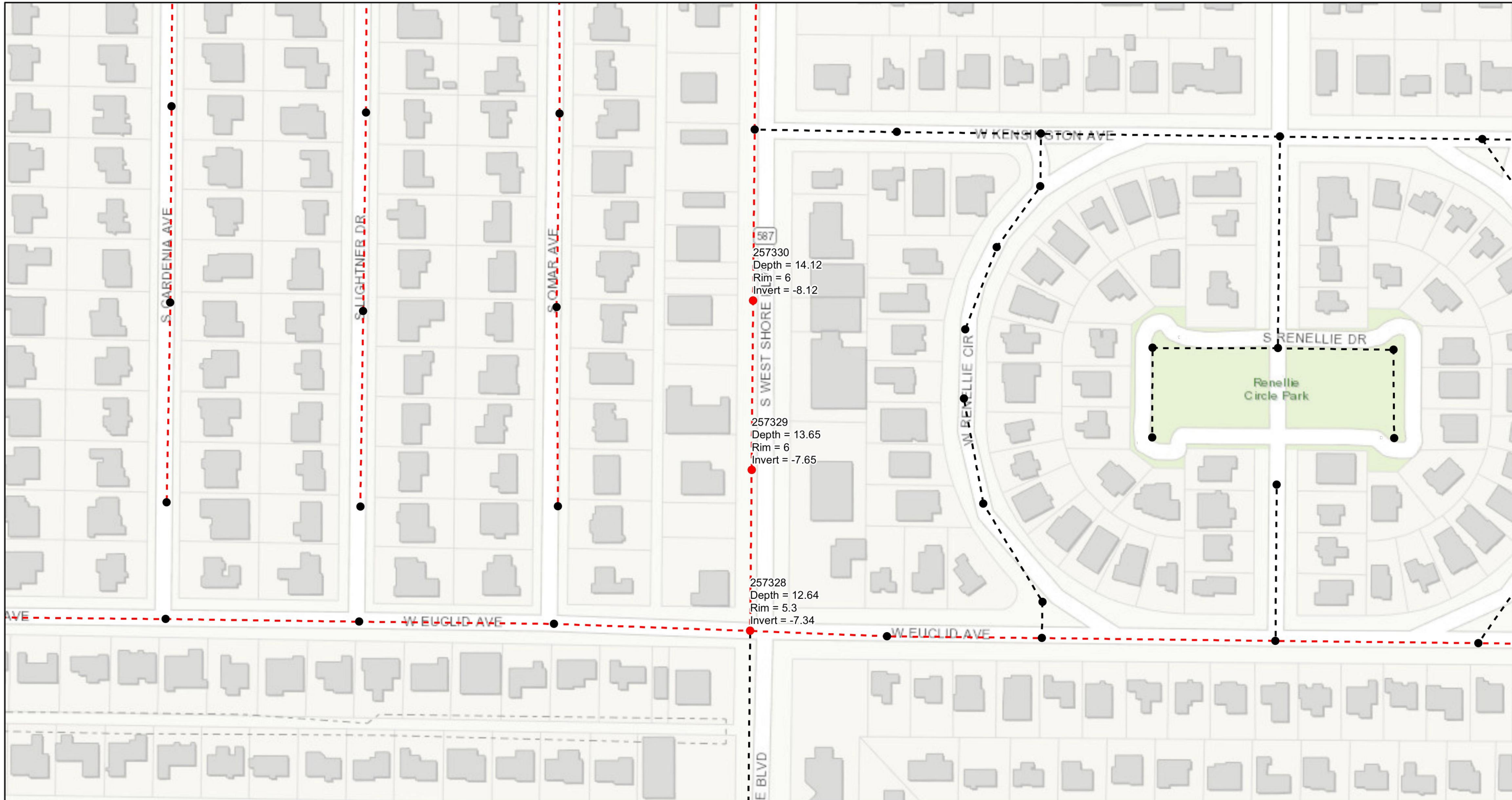
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Westshore Blvd Between Gandy And Cleveland Gravity
 Sewer Rehabilitation By CIPP
 AREA MAP 5

SHEET
 8

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Legend

- Ex Manhole (no rehabilitation required)
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- Ex CIPP Lined or PVC Wastewater (no rehabilitation required)
- Ex Wastewater (no rehabilitation required)
- Proposed Lining Area



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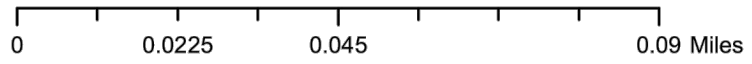
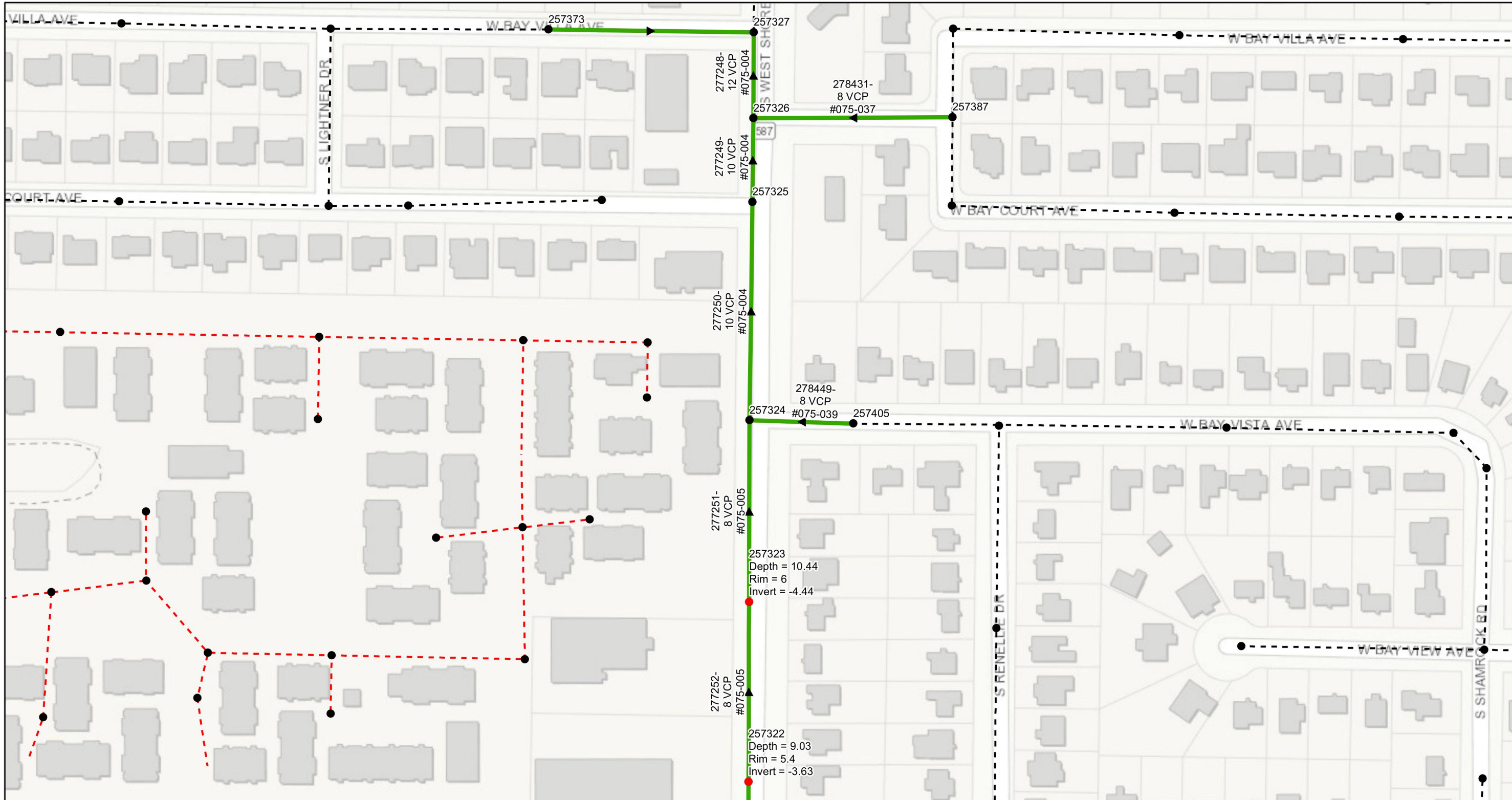
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Westshore Blvd Between Gandy And Cleveland Gravity
 Sewer Rehabilitation By CIPP
 AREA MAP 6

SHEET
 9

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Legend

- Ex Manhole (no rehabilitation required)
- Proposed Manhole Rehabilitation
- - - Ex CIPP Lined or PVC Wastewater (no rehabilitation required)
- - - Ex Wastewater (no rehabilitation required)
- Proposed Lining Area



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

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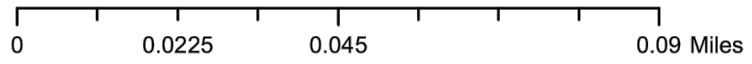
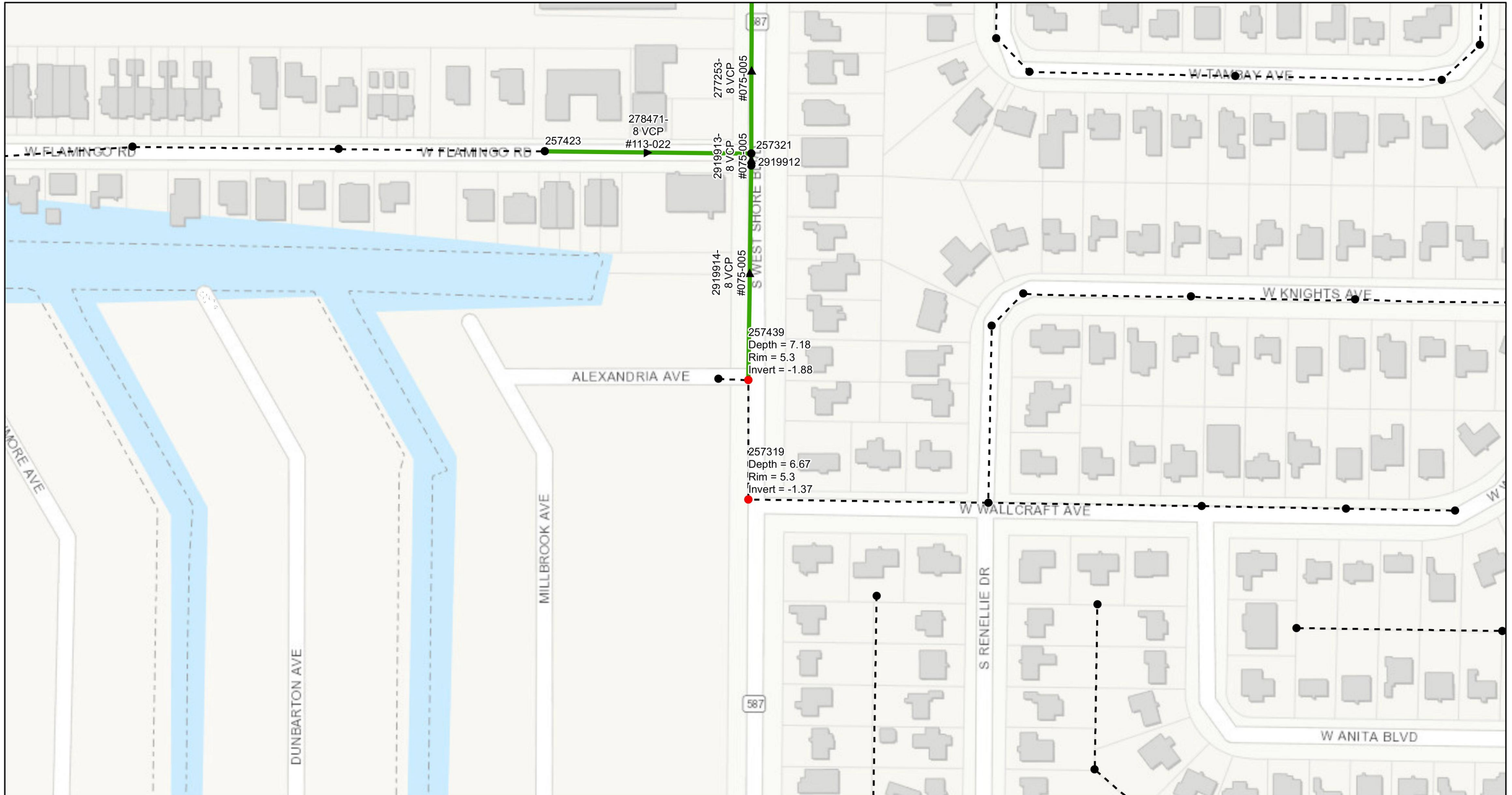
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CITY of TAMPA
 WASTEWATER DEPARTMENT

Westshore Blvd Between Gandy And Cleveland Gravity
 Sewer Rehabilitation By CIPP
 AREA MAP 7

SHEET
 10

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- Legend**
- Ex Manhole (no rehabilitation required)
 - Proposed Manhole Rehabilitation
 - Ex CIPP Lined or PVC Wastewater (no rehabilitation required)
 - Ex Wastewater (no rehabilitation required)
 - Proposed Lining Area



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

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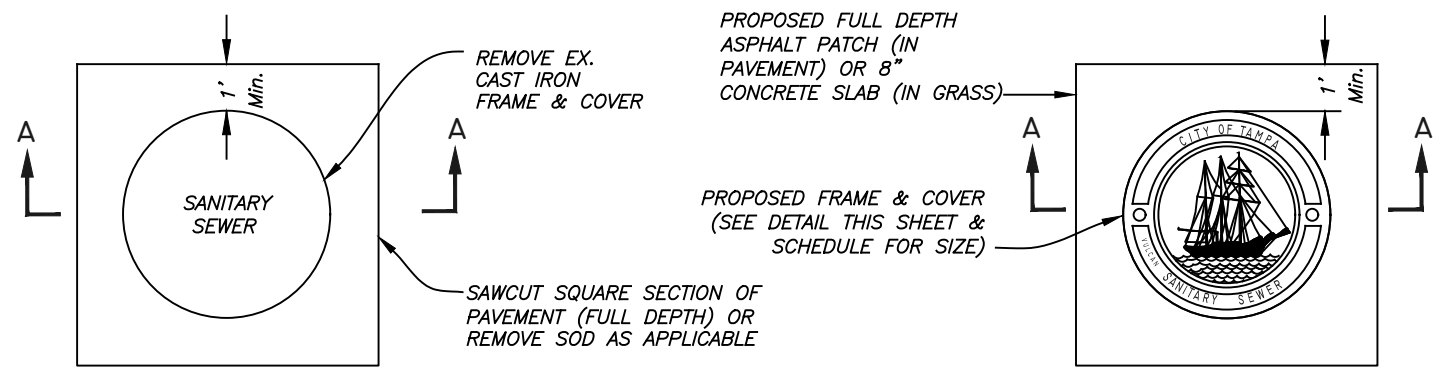
CITY of TAMPA
 WASTEWATER DEPARTMENT

Westshore Blvd Between Gandy And Cleveland Gravity
 Sewer Rehabilitation By CIPP
 AREA MAP 8

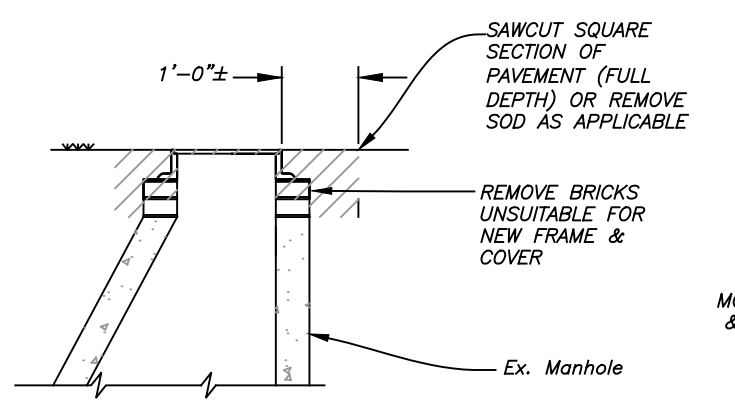
SHEET
11

ASPHALT RESTORATION NOTE

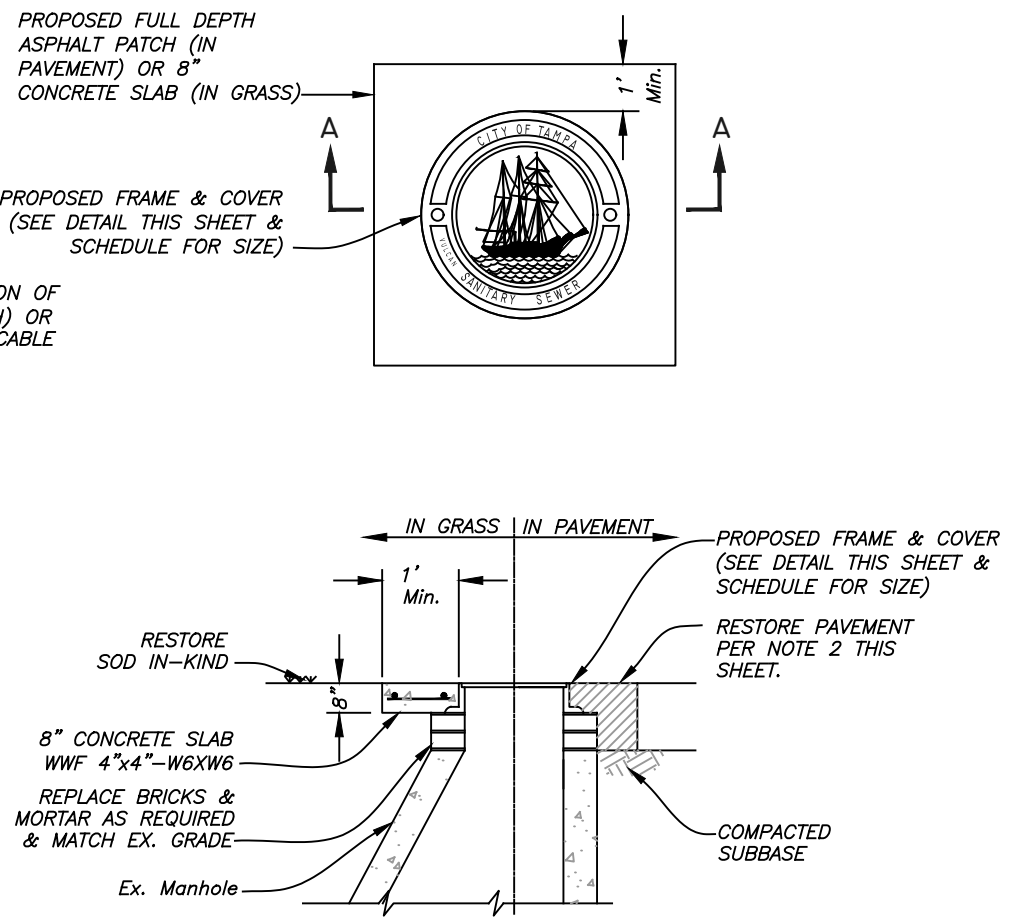
PAVEMENT RESTORATION SHALL CONSIST OF 12" PERMANENT BASE (CRUSHED CONCRETE) AND 2" PERMANENT ASPHALT SUPERPAVE PAVEMENT, UNLESS OTHERWISE NOTED. IF LOCATED IN D.O.T. OR HILLSBOROUGH COUNTY ROW, AN ADDITIONAL 1 1/2" SUPER PAVE ASPHALT IS REQUIRED.



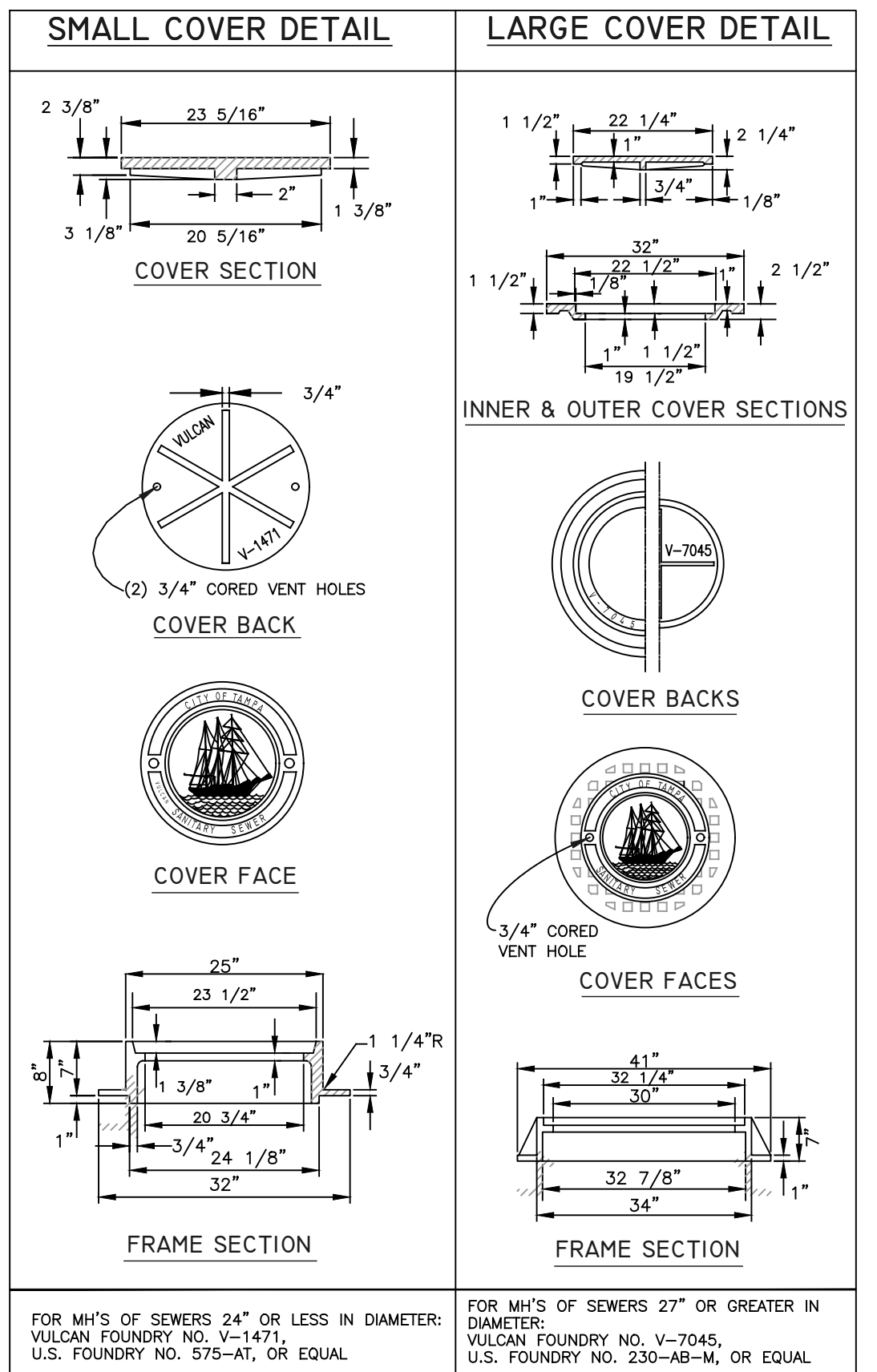
PLAN



**SECTION A-A
REMOVAL DETAIL**



**SECTION B-B
REPLACEMENT
DETAIL**



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

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

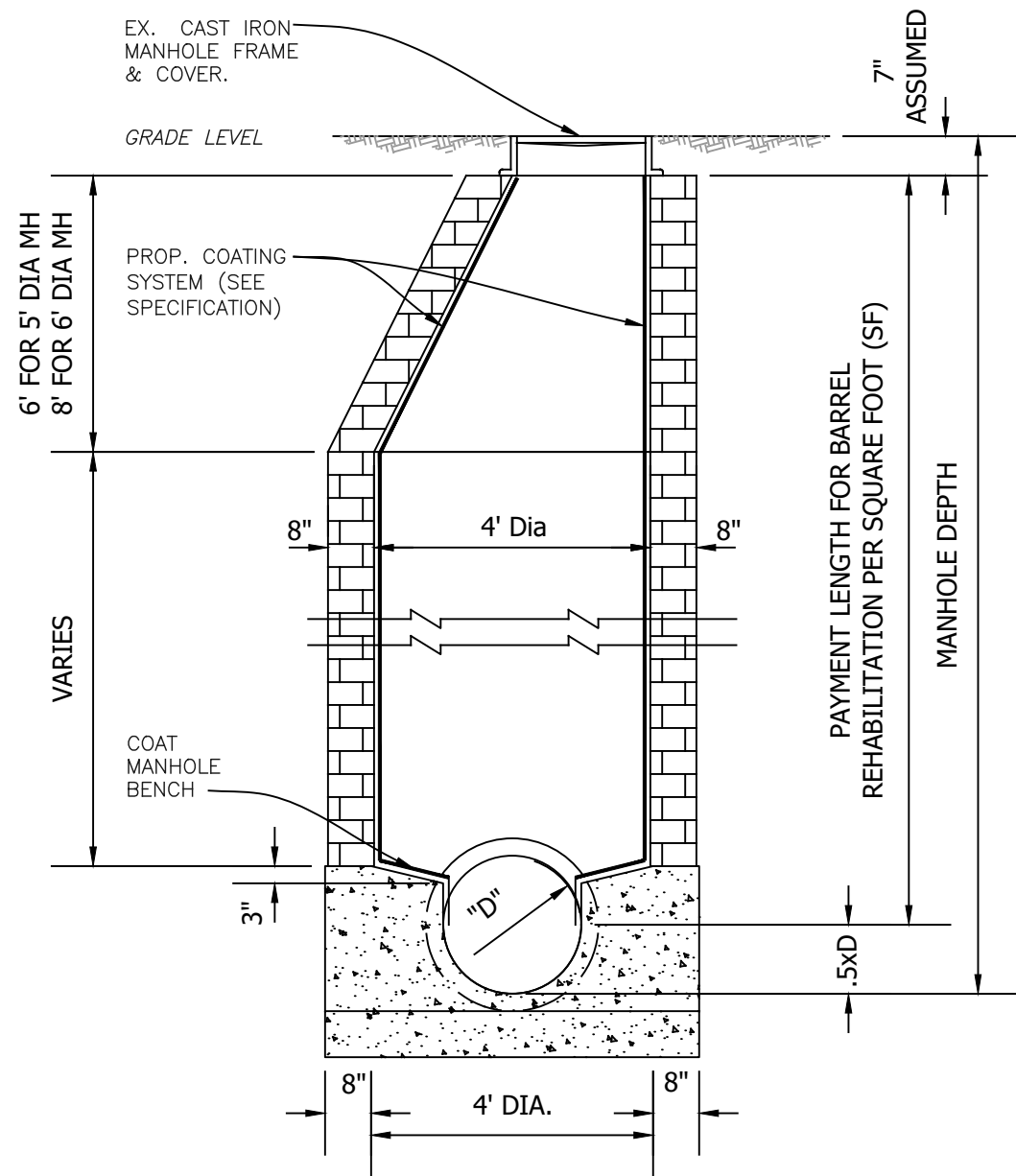
HEAVY DUTY CAST IRON MANHOLE FRAME & COVER DETAILS

User: sst4 Drawing Name: C:\Users\ssr4\AppData\Local\Temp\AcPublish_1988\WESTSHORE CIPP.dwg Layout: Jul 14, 2023 - 1:37pm

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	#	DATE	REVISIONS	DES: JK	CITY of TAMPA WASTEWATER DEPARTMENT	Westshore Blvd Between Gandy And Cleveland Gravity Sewer Rehabilitation By CIPP MANHOLE DETAIL	SHEET 12
	1			DRN: GP			
	2			CKD:			
	3			DATE:			

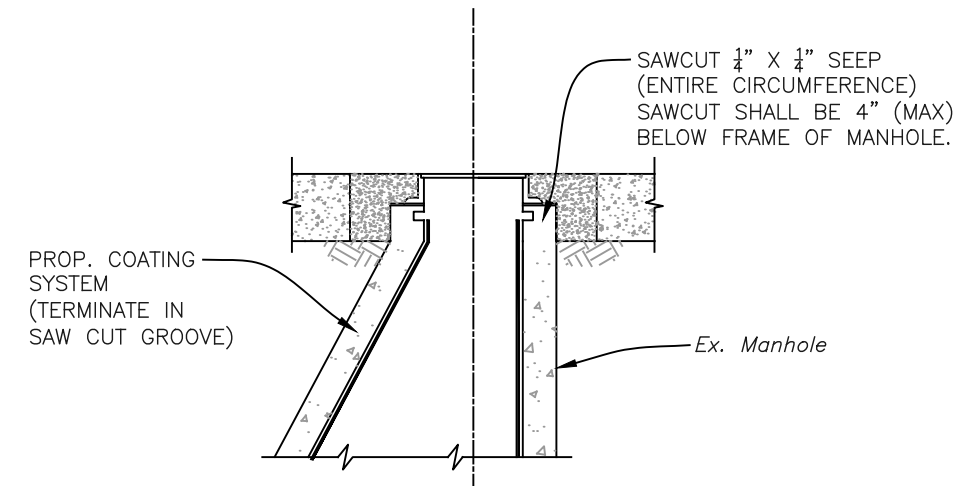
NOTES

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



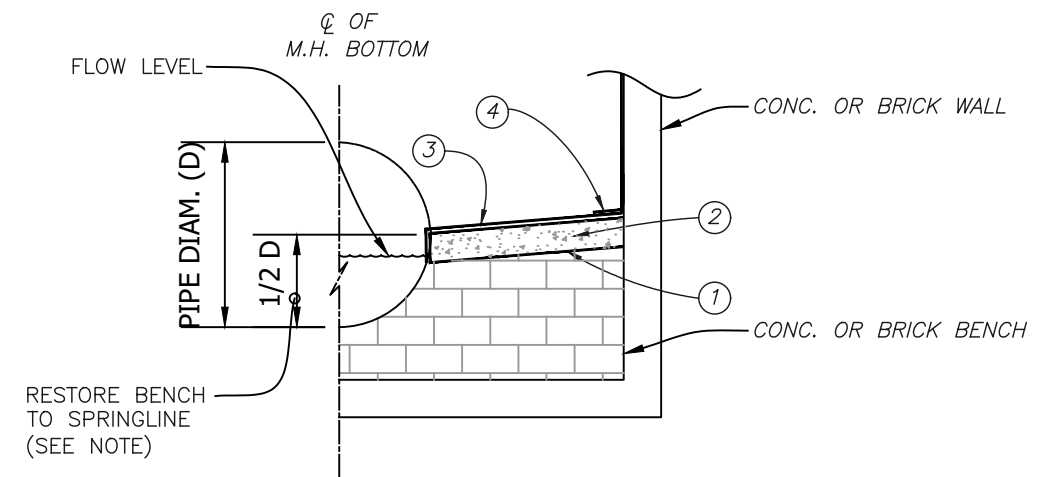
BRICK OR CONCRETE MANHOLE (TYPICAL)

SCALE: N.T.S.



COATING TERMINATION DETAIL

SCALE: N.T.S.



TYPICAL MANHOLE BENCH RESTORATION DETAIL

SCALE: N.T.S.

#	DATE	REVISIONS
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DES: JK
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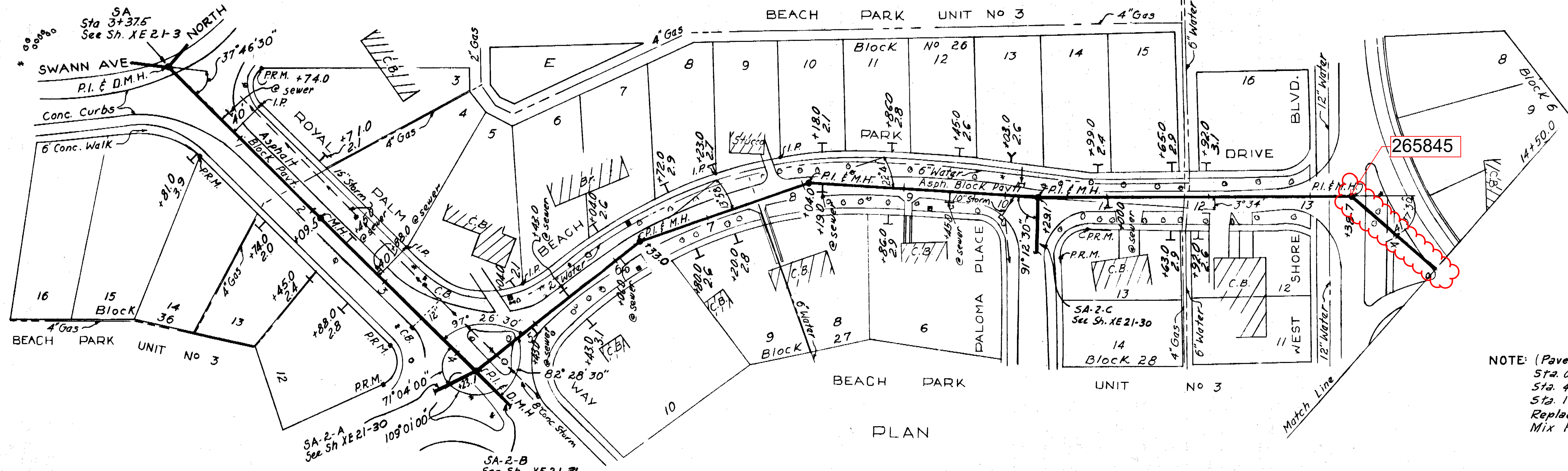
CITY of TAMPA
 WASTEWATER DEPARTMENT

Westshore Blvd Between Gandy And Cleveland Gravity
 Sewer Rehabilitation By CIPP

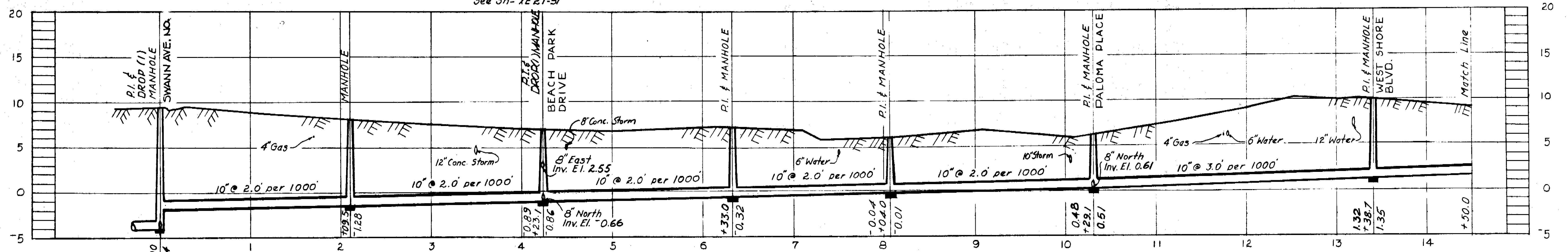
MANHOLE DETAILS

SHEET

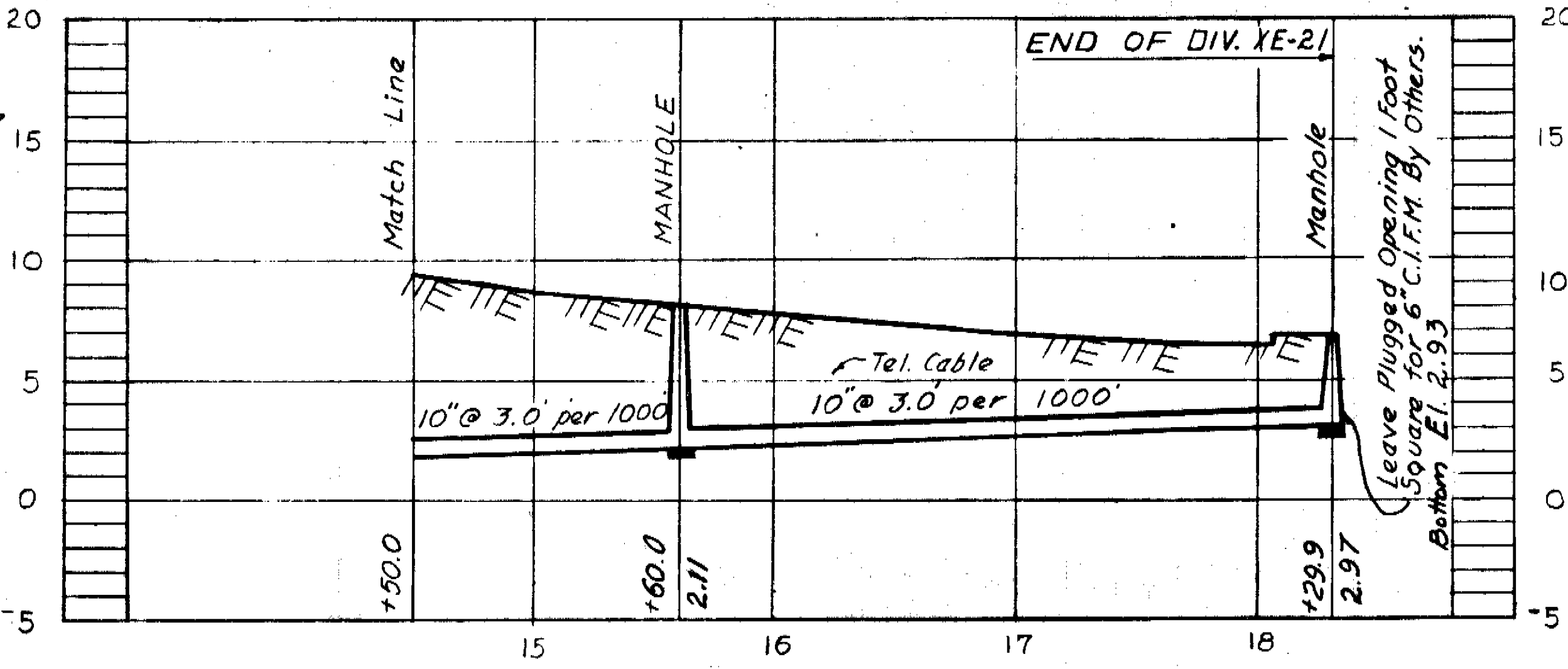
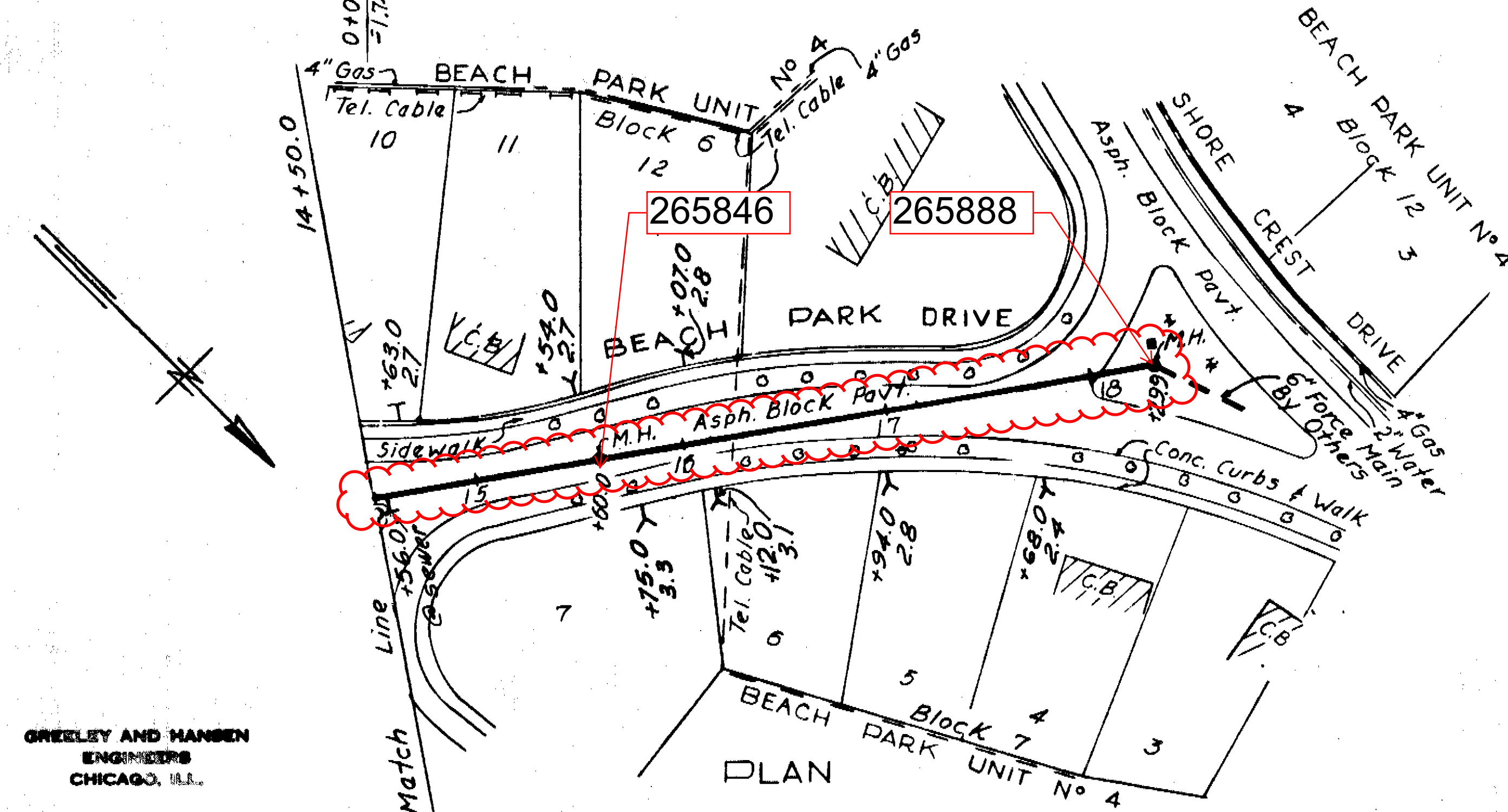
13



NOTES:
 1. All driveways, Sidewalks and Curbs are concrete.
 NOTE: (Pavement Replacement)
 Sta. 0+08 to Sta. 4+42
 Sta. 4+73 to Sta. 13+59
 Sta. 14+30 to Sta. 18+00
 Replaced with 1 1/2" Cold Mix Pavement.



PROFILE SA-2



PROFILE SA-2

-AS BUILT PLAN -
 Revised to show actual conditions according to construction records as of 12-31-56. (U.M.R 1-23-56)

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE 21

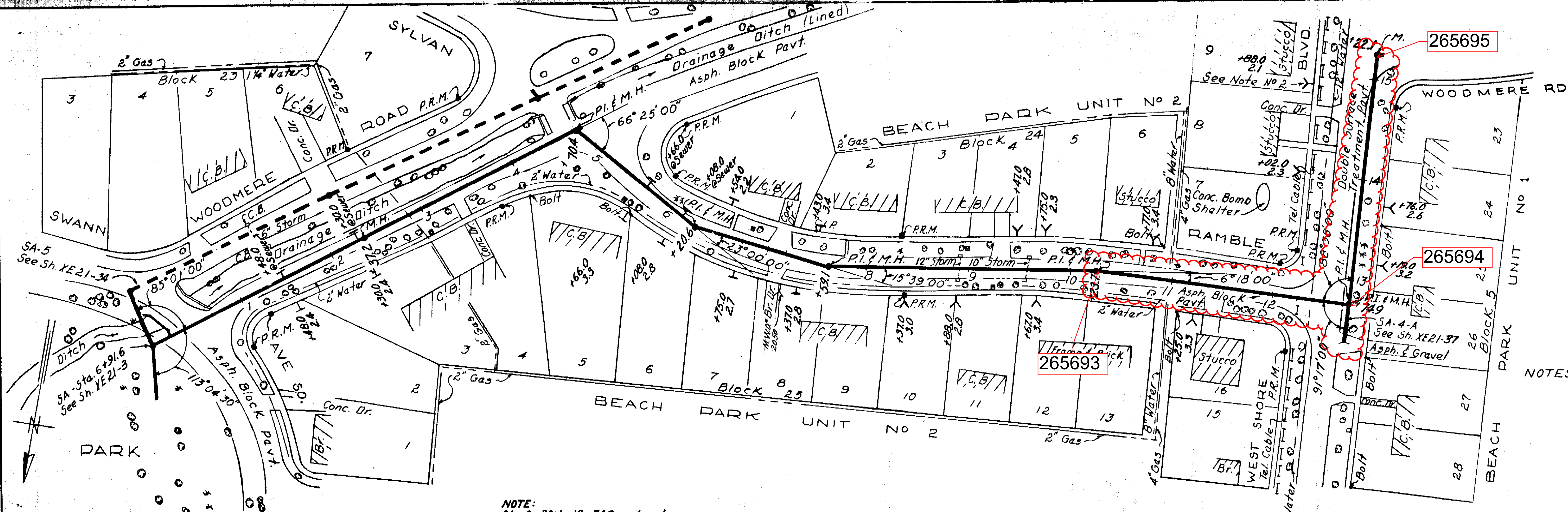
SA-2

DES. F.F.E. DR. R.W.M. CKD. F.F.E. DATE: APRIL 1953

SCALE 1" = 30'

SHEET XE21-29 OF 50

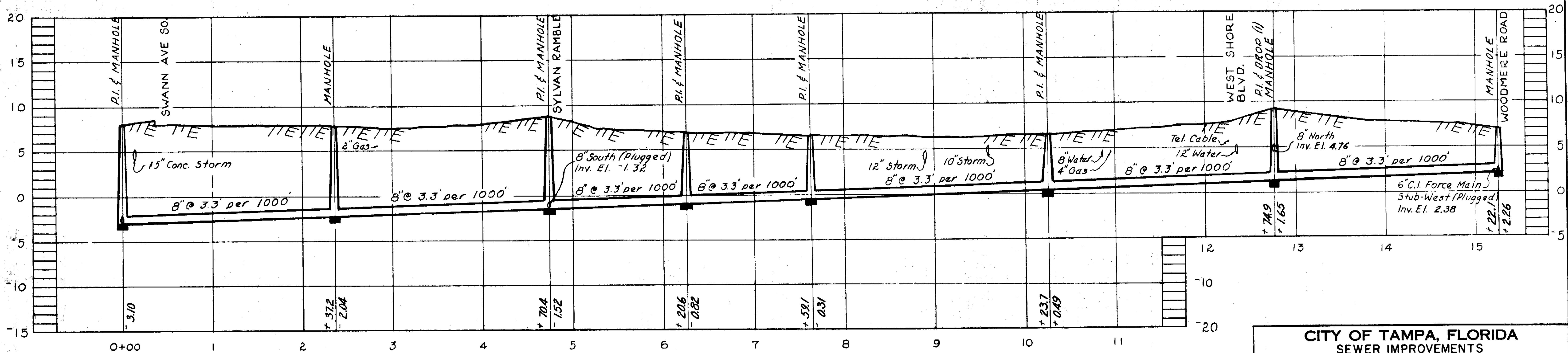
GREILEY AND HANSEN ENGINEERS CHICAGO, ILL.



NOTE:
Sta. 0+30 to 12+74.9 replaced
with 1 1/2" Cold Mix. Sta. 14+35
to 15+22.1 replaced with
1 1/2" Cold Mix.

PLAN

- NOTES:
1. All Curbs and Walks are Concrete.
 2. House Connection for Lot No 9, Block 24, to be Carried Under 12" Water @ Required Slope.



PROFILE SA-4

AS BUILT PLAN
Revised to show actual conditions
according to construction records
as of January - 1957. (U.S.H. 1-29-57)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE21

SA-4

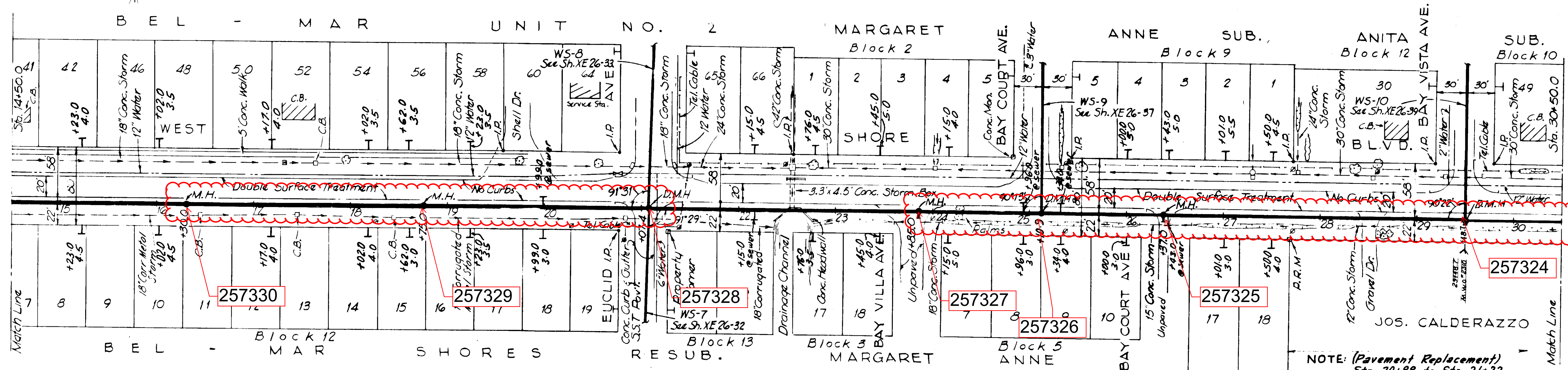
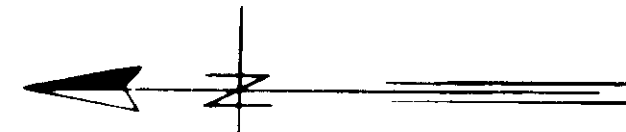
DES. F.F.E.
DR. R.W.M.
CKD. F.F.E.
DATE:
MARCH 1955

SCALE
0 50 100
1"=50'

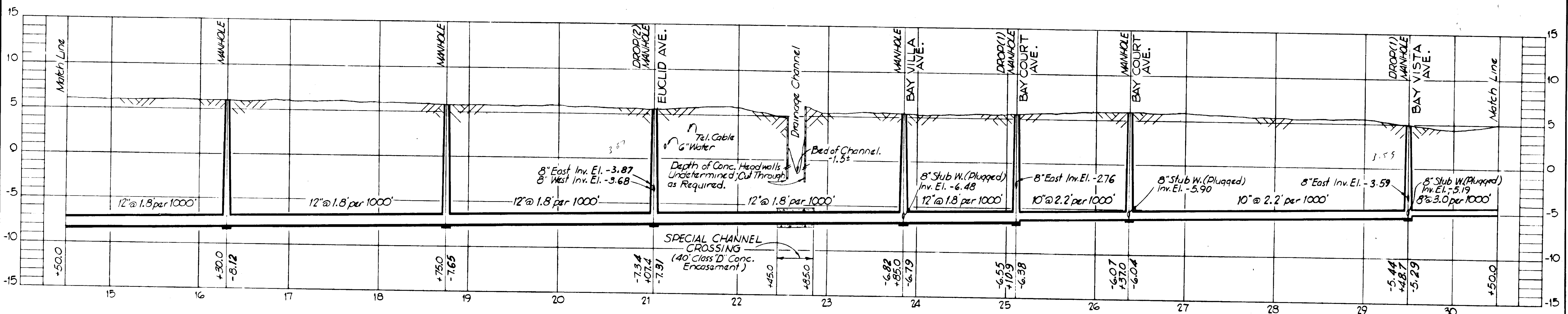
SHEET
XE21-33
OF 50

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

70-33



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.

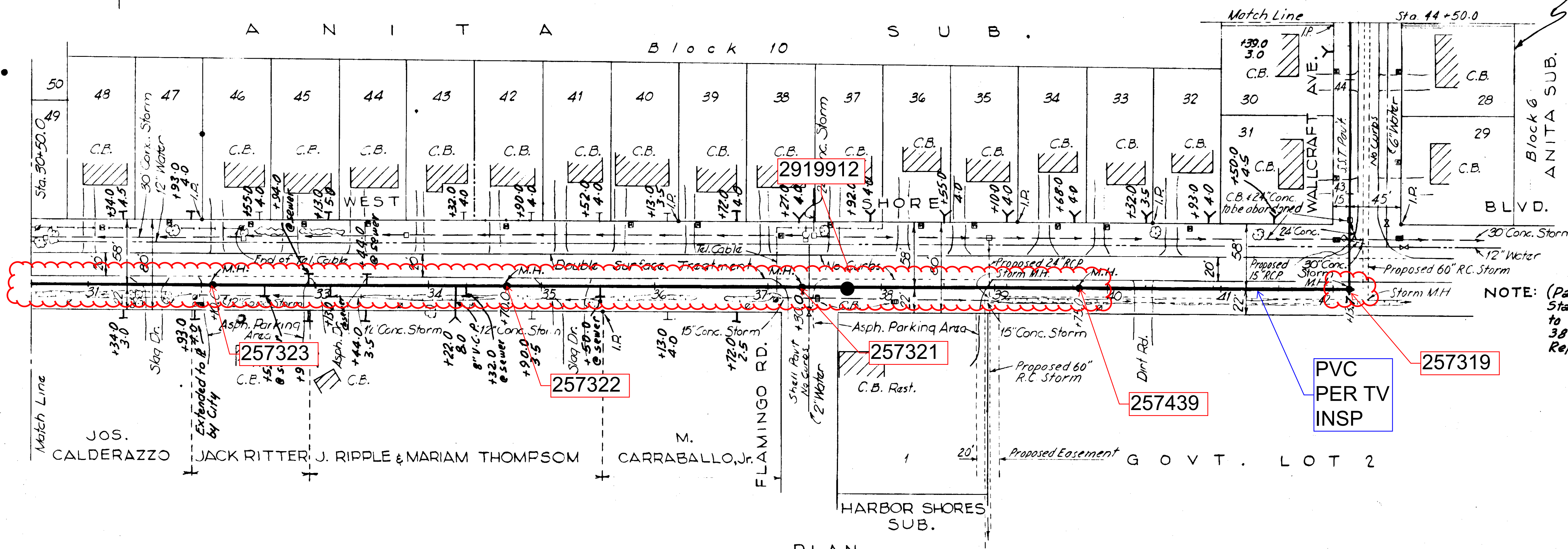
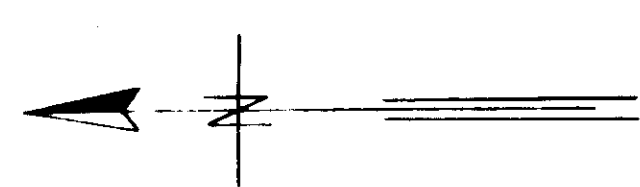
-AS BUILT PLAN-

Revised to show actual conditions
 according to construction records
 as of Jan. 57.

(J.M.R. 2-14-57)

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

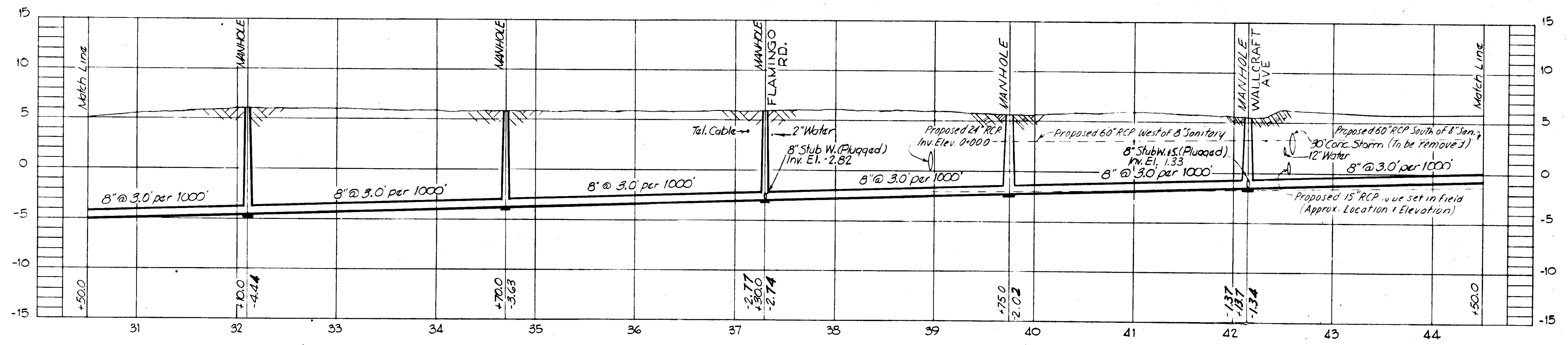
CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE26		
WS		
STA. 14+50 TO STA. 30+50		
DES. C.M.T.-F.F.E. DR. C.M.T. CKD. F.F.E. DATE: DEC. 1955	SCALE 0 50 100 1"=50'	SHEET XE26-4 OF 51



NOTE: Lots 28 & 29 are served by existing sewer system at rear end of property.

NOTE: (Pavement Replacement)
Sta. 32+00 to Sta. 32+92, Sta. 33+00 to Sta. 33+40, Sta. 37+12 to Sta. 38+92, Sta. 42+20 to Sta. 42+56
Replaced with 1/2 Cold Mix Pavt.

PLAN



PROFILE WS

NOTE:
1) Replace Paving on West Shore Blvd. with Asphaltic Cold Mix.
2) --- Property Lines as indicated by Hillsborough County Tax Records.

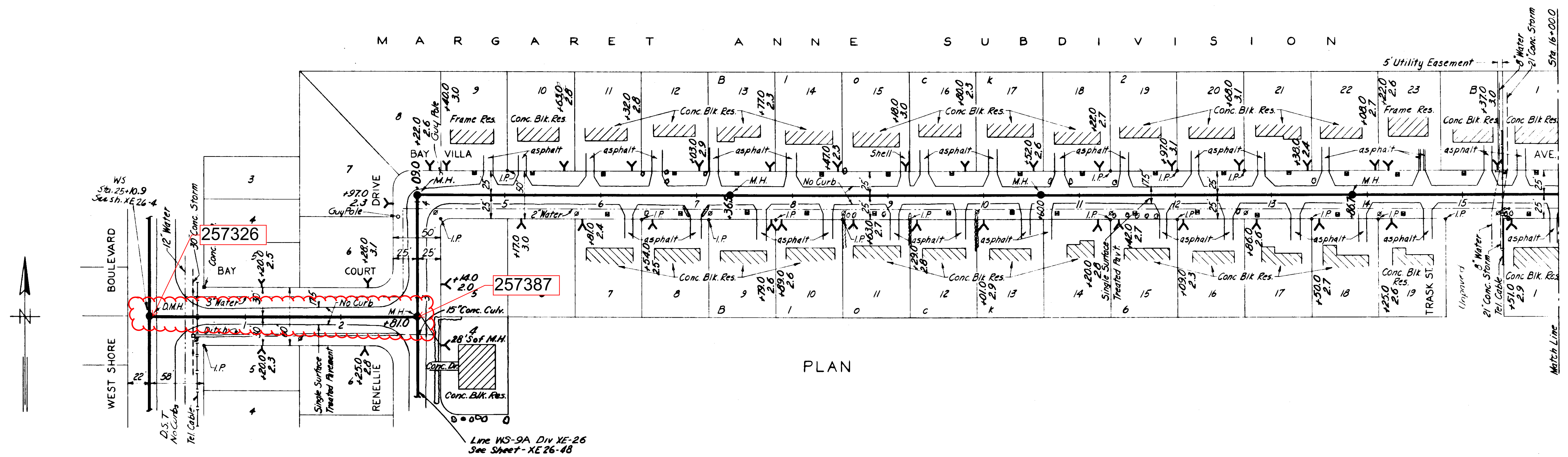
~AS BUILT PLAN~

Revised to show actual conditions according to construction records as of January 1957.
(J.M.R. 2-15-57)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION XE26	
WS STA. 30+50 TO STA. 44+50	
DES. C.M.T.-F.F.E. DR. C.M.T. CKD. F.F.E. DATE: DEC. 1955	SCALE 0 50 100 1"=50'
SHEET XE26-5 OF 51	

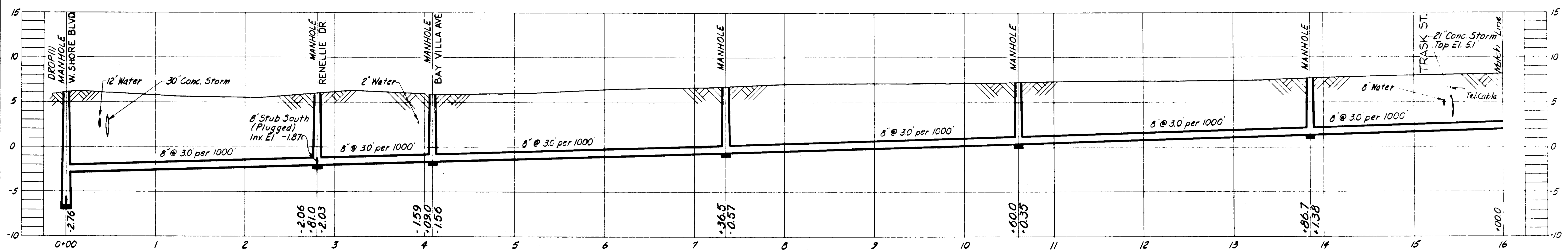
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

M A R G A R E T A N N E S U B D I V I S I O N



PLAN

NOTE:-(Pavt. Replacement)
Sta. 0+07 to 0+37 with 1 1/2" Cold
Mix. Sta. 0+37 to 16+00 with
Single Surface Treatment Pavt.



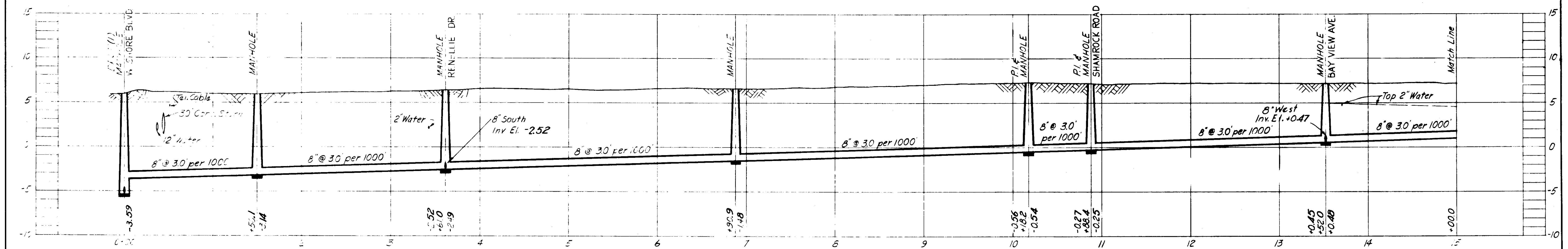
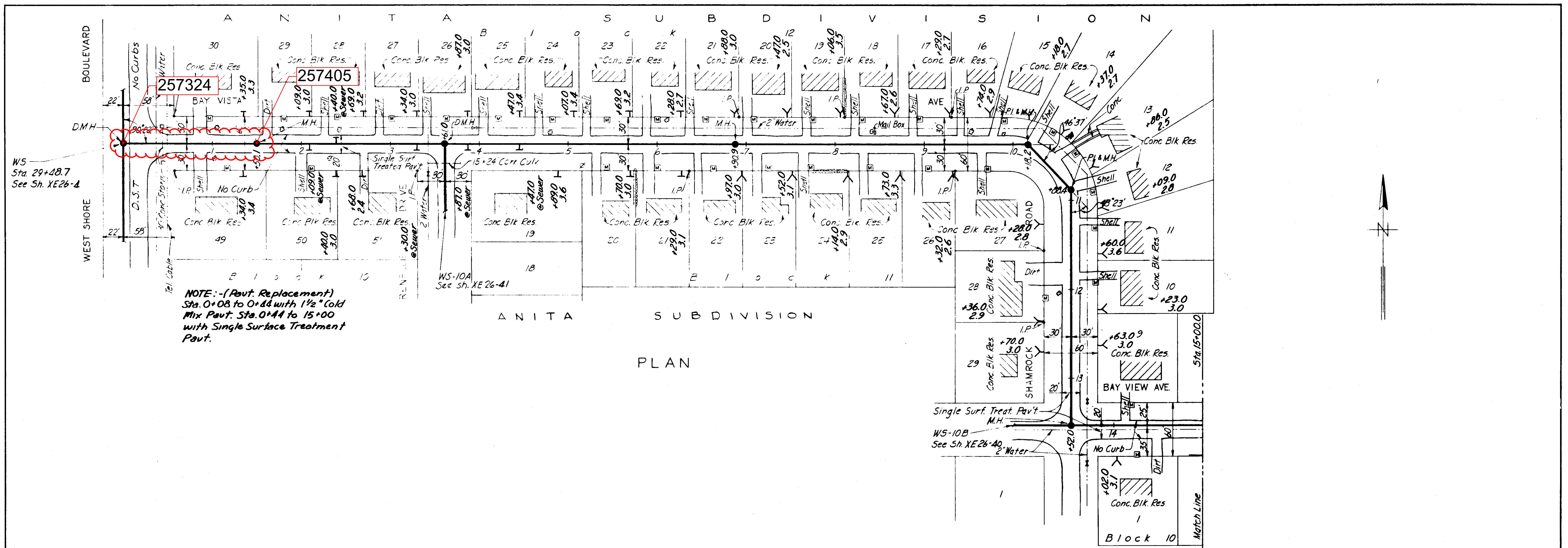
PROFILE
WS-9

AS BUILT PLAN
Revised to show actual conditions
according to construction records
as of February 1957.
(U.S.H. 2-22-57.)

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

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE26		
WS-9		
STA. 0+00 TO STA. 16+00		
DES. C.M.T. DR. H.K. CKD. F.F.E. DATE: DEC. 1955	SCALE 50 0 50 100 1"=50'	SHEET XE26-37 OF 51

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

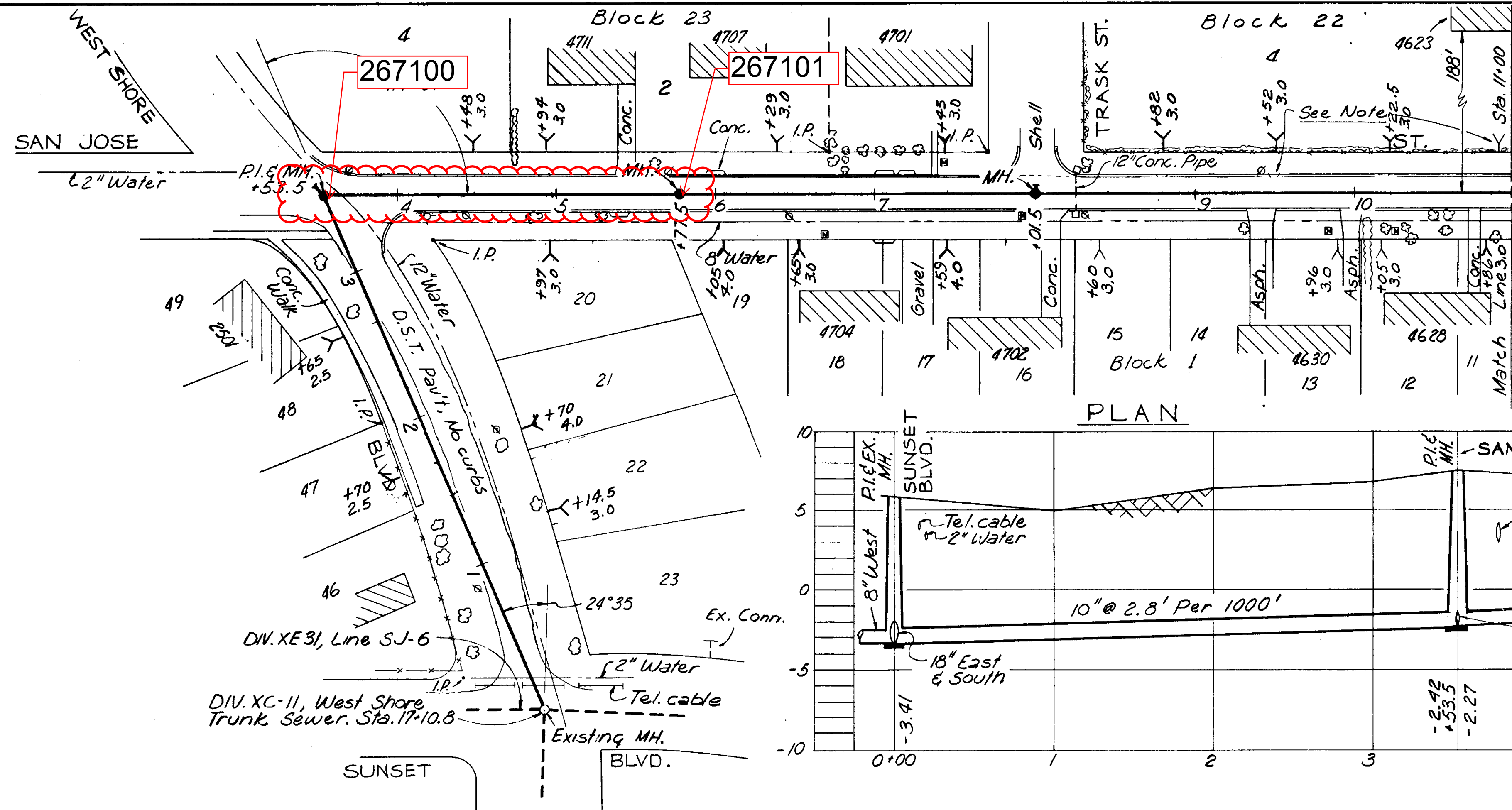


GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

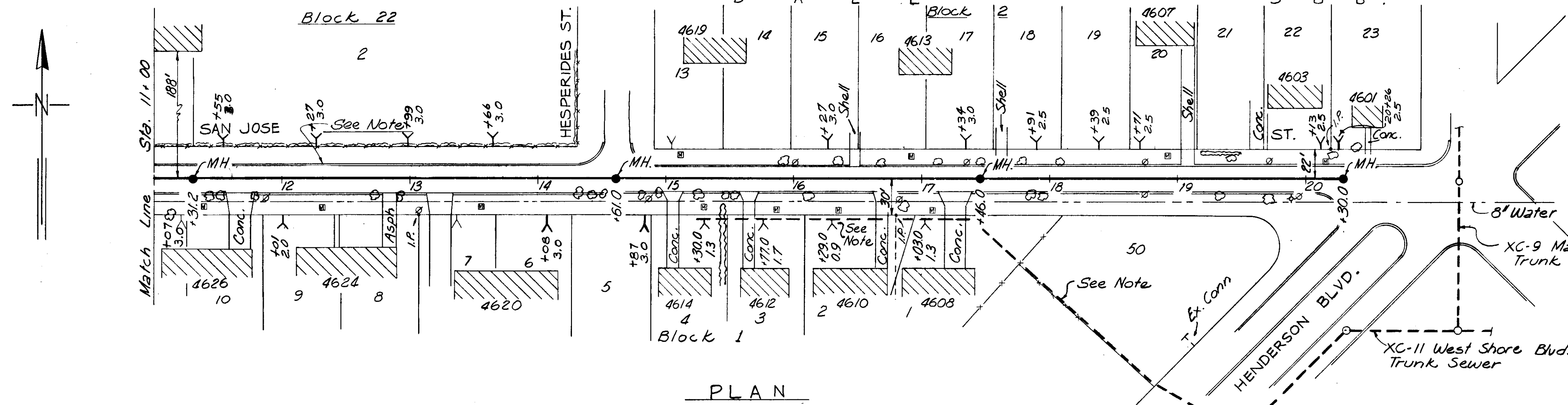
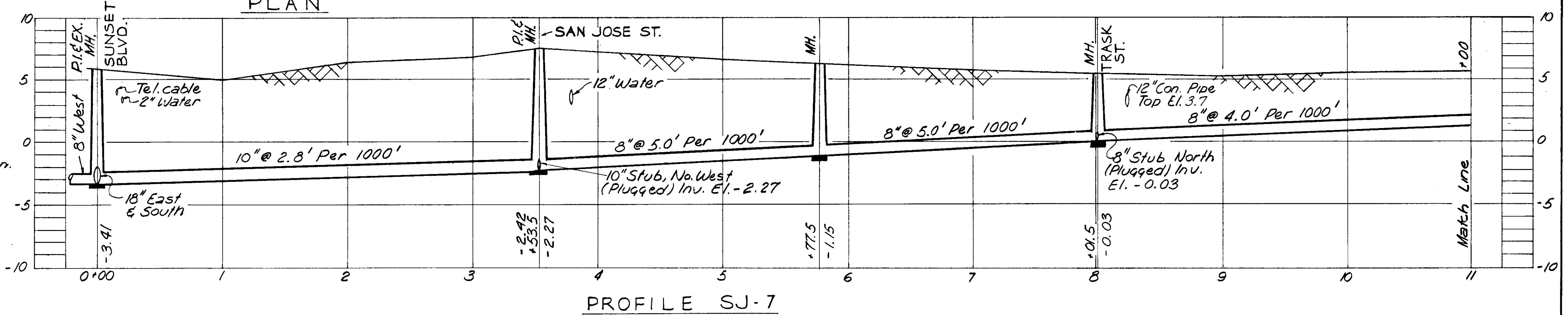
NOTE:
Replace Paving on West Shore Blvd.
with Asphaltic Cold Mix.

AS BUILT PLAN
Revised to show actual conditions
according to construction records
as of February-1957.
(U.S.H. 3-20-57.)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE26		
WS-10 STA. 0+00 TO STA. 15+00		
DES. C.M.T. DR. H.K. CKD. F.F.E. DATE: DEC. 1955	SCALE 50 0 50 100 1" = 50'	SHEET XE26-39 OF 51

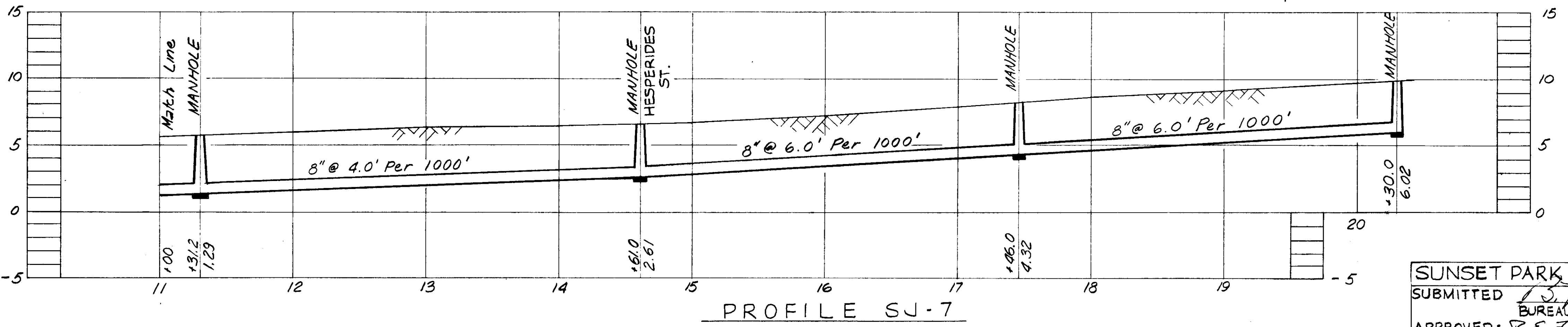


NOTE:
 Install eight Wyes on 70' centers
 for lots 2 & 4 Block 22. Plug all
 Wyes @ sewer excepting one to
 service existing residence



NOTE:-
 Existing house connections to lots
 1 thru 4, Block 1 to remain in ser-
 vice until new line is completed &
 tested, then connect to new line.
 Plug abandoned line @ M.H. on
 Henderson Blvd.

Note :- This sheet is in accordance
 with XE 31-SD-1 of the contract Dwg.

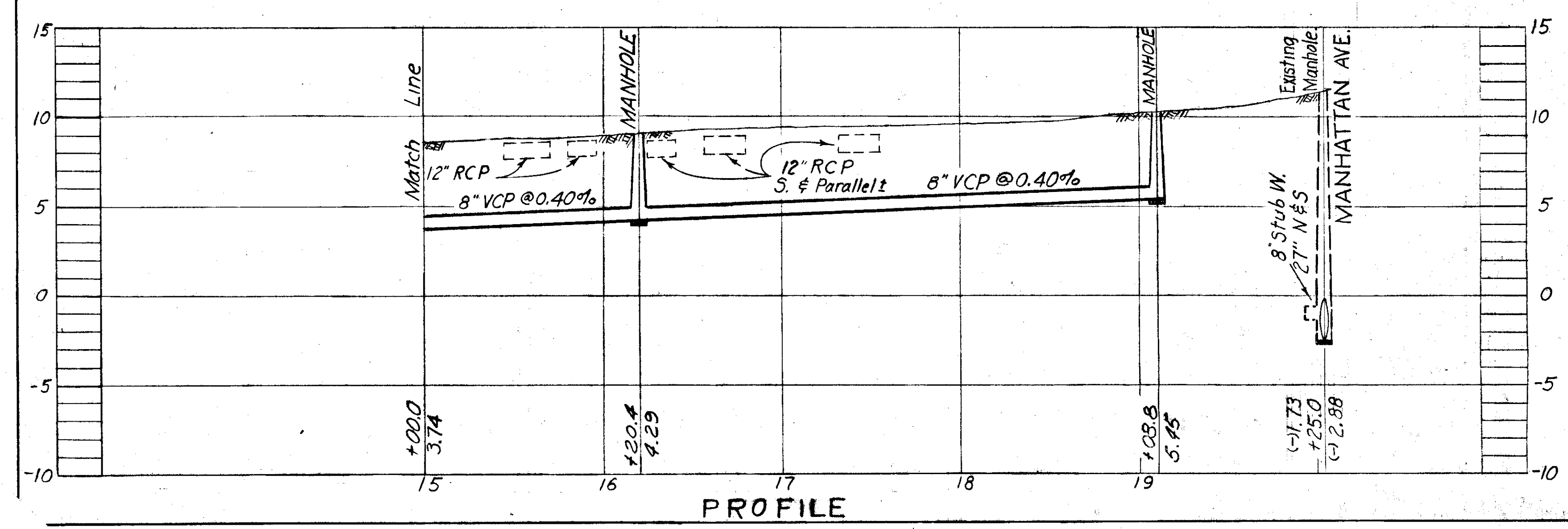
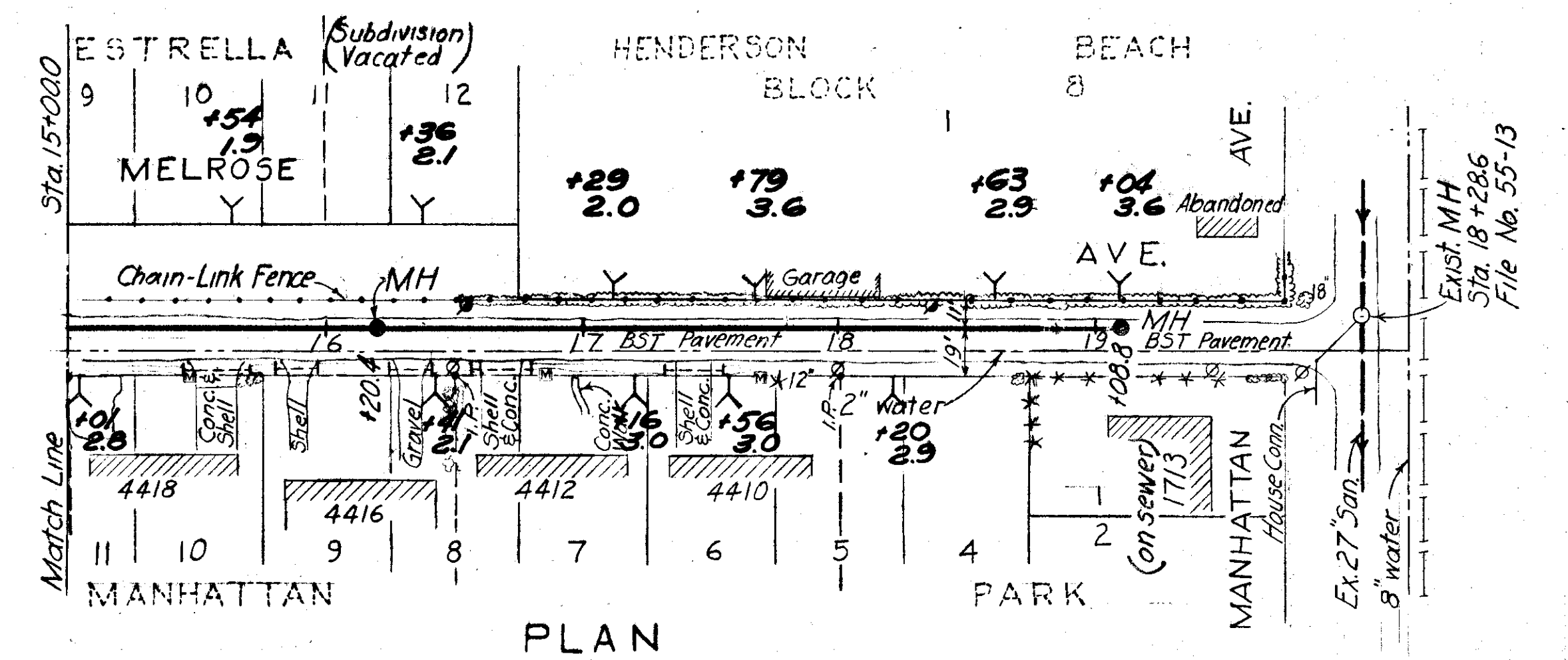
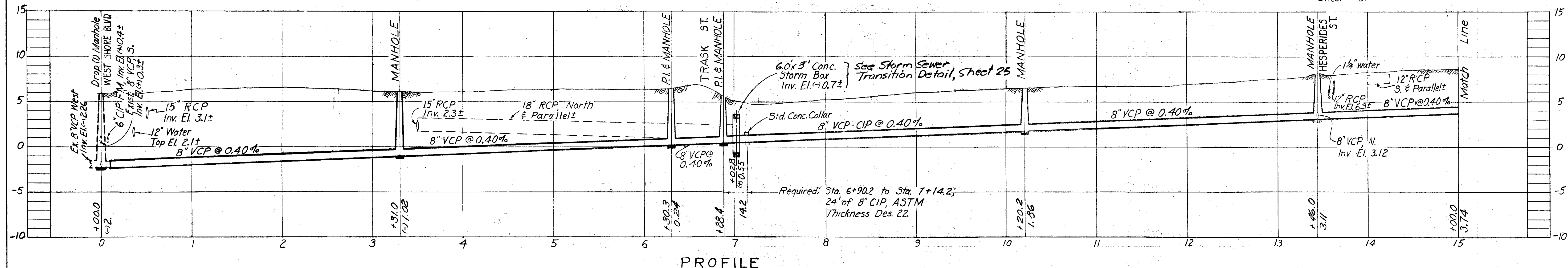
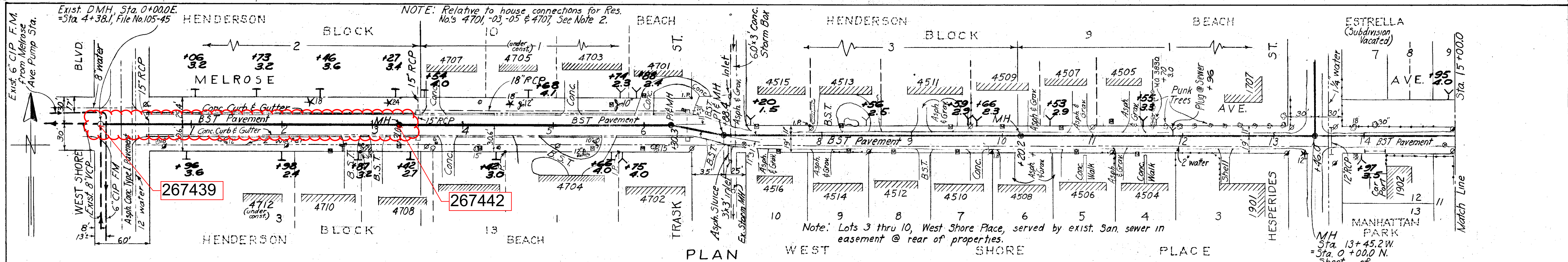


CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE 31

SJ-7

SUNSET PARK FORCE ACCOUNT
 SUBMITTED [Signature]
 BUREAU OF SANITARY SEWERS
 APPROVED: [Signature]
 GREELEY AND HANSEN, ENGINEERS

DES. REF. DR. RVJ.
 CKD. REF. DATE JAN. 1960
 SCALE 1" = 50'
 SHEET XE 31-16 OF 16



- NOTES:
1. BM #A-235 - Elev. 6.328 RR spike on West side of 20" pine at SE cor. of W. Shore Blvd. and Estrella St.
 2. 6" VCP Hse. Connections to Res. No. 4703 thru 4707 Melrose Ave. shall be extended from main to north & beneath exist. 18" RCP storm sewer @ Min. 1% slope, to R/W line. 6" VCP Hse. Connection for Res. No. 4701 shall be extended from main to north and over said 18" RCP storm sewer @ Min. 1% slope to R/W line.

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

PROJ. R-8 W.O. 1848 DESIGN W.O. 1795

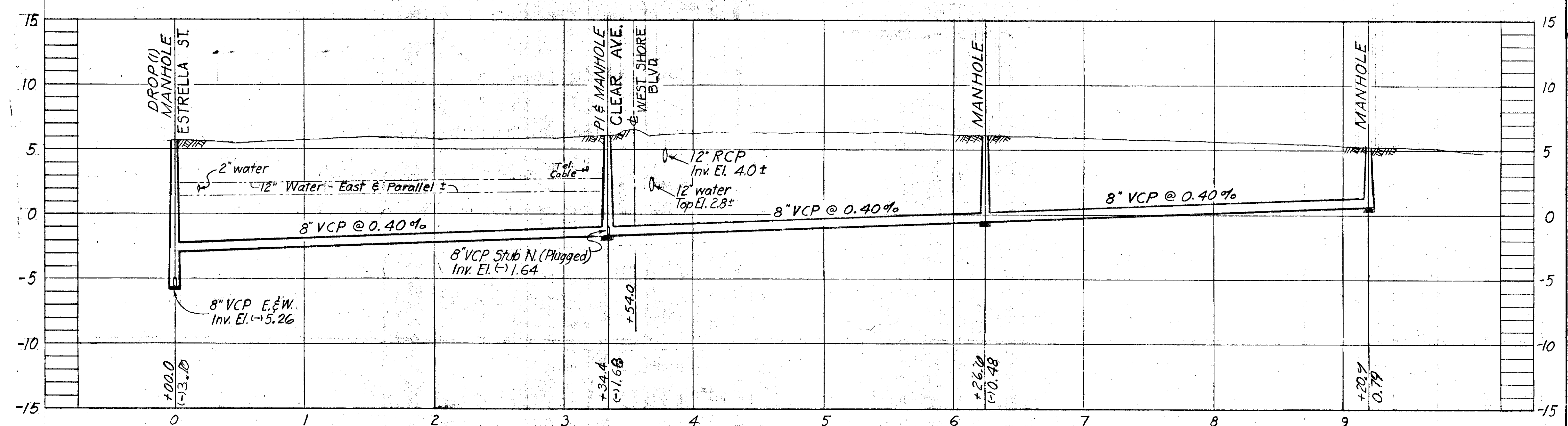
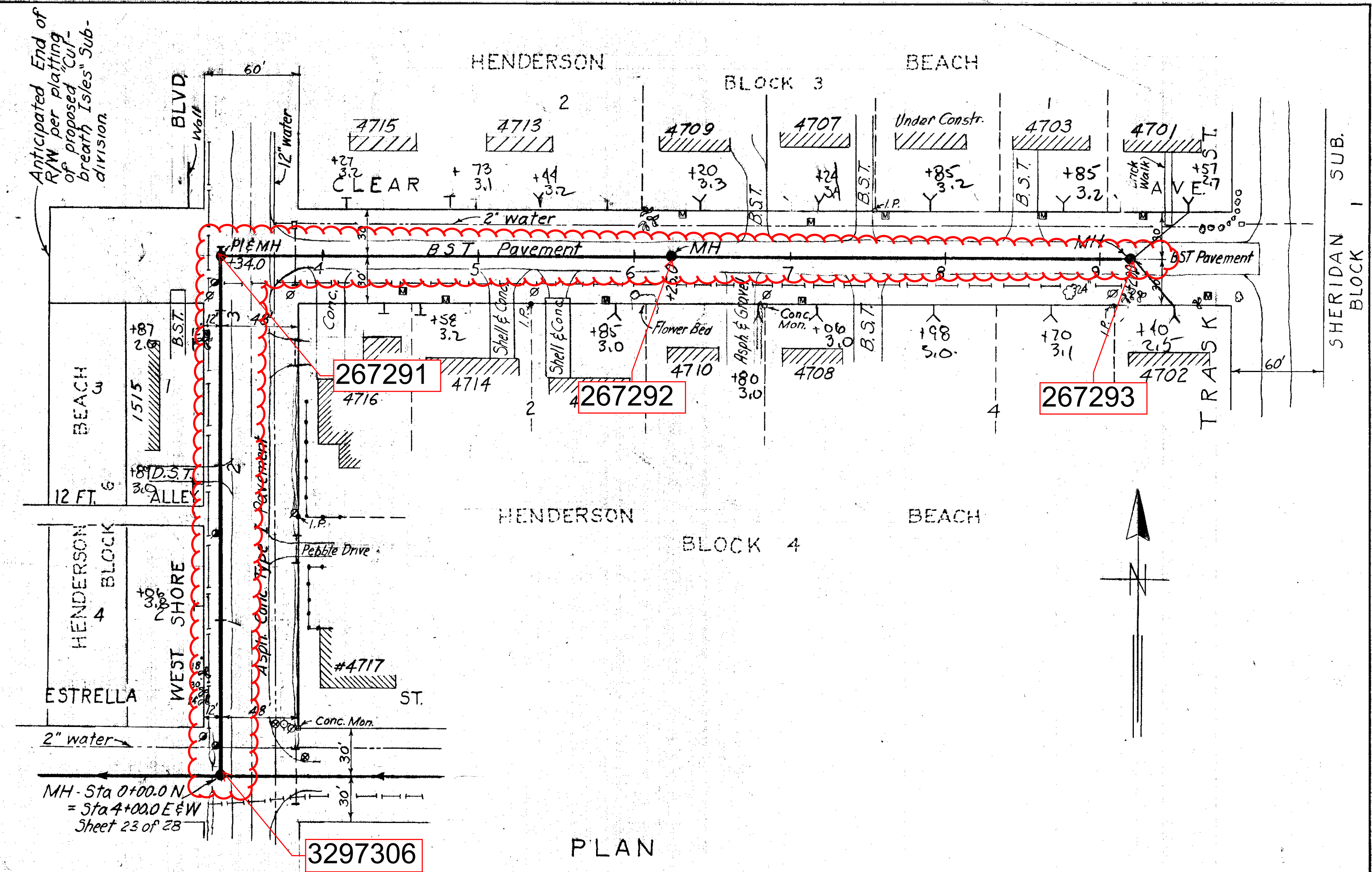
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

MELROSE AVE.: West Shore Blvd. to Manhattan Ave.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
J-8	32

DES: H S	50	0	SCALE: 50	100	SHEET
DRN: H S	1" = 50'			22	OF 28
CKD: C M T	Drainage Subdistrict A-2				
DATE: MARCH 1967					

112-22



- NOTES:
1. B.M. No. A-235 - Elev. 6.328, RR Spike in West side of 20" pine at SE cor. of West Shore Blvd. & Estrella St.
 2. Resubdivision lines as taken from Hillsborough County tax records shown thus:

PROJ. R-8
W.O. 1848

DESIGN
W.O. 1795

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

WEST SHORE BLVD.: Estrella St. to Clear Ave.
CLEAR AVE.: West Shore Blvd. to Trask St.

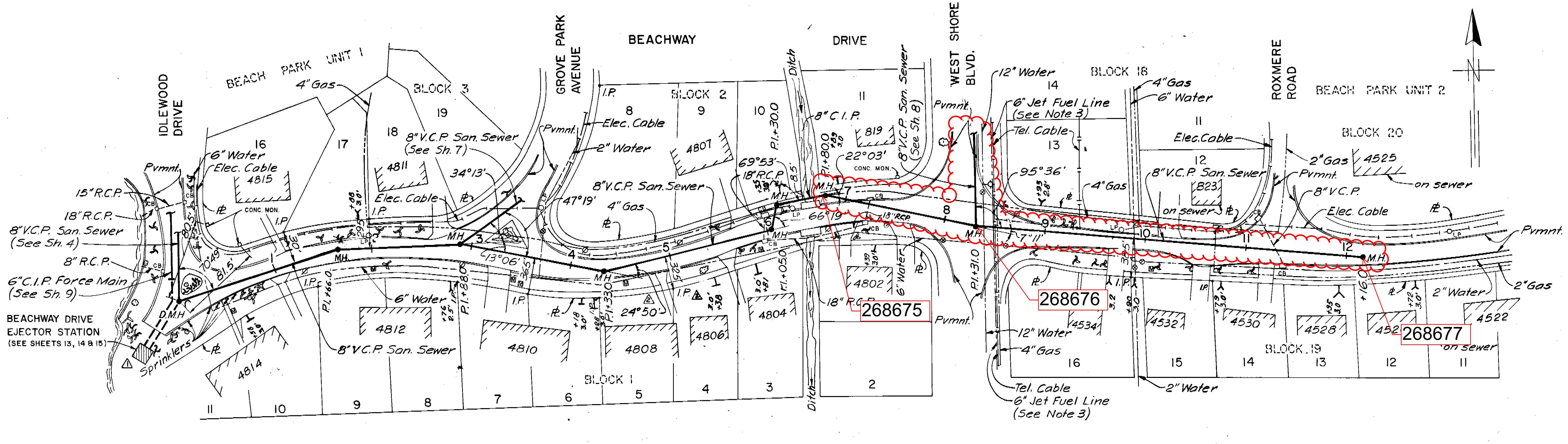
SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
J-8	31

DES: H.S.
DRN: H.S.
CKD: C.M.T.
DATE: MARCH 1967

50 0 SCALE: 50 100
1" = 50'

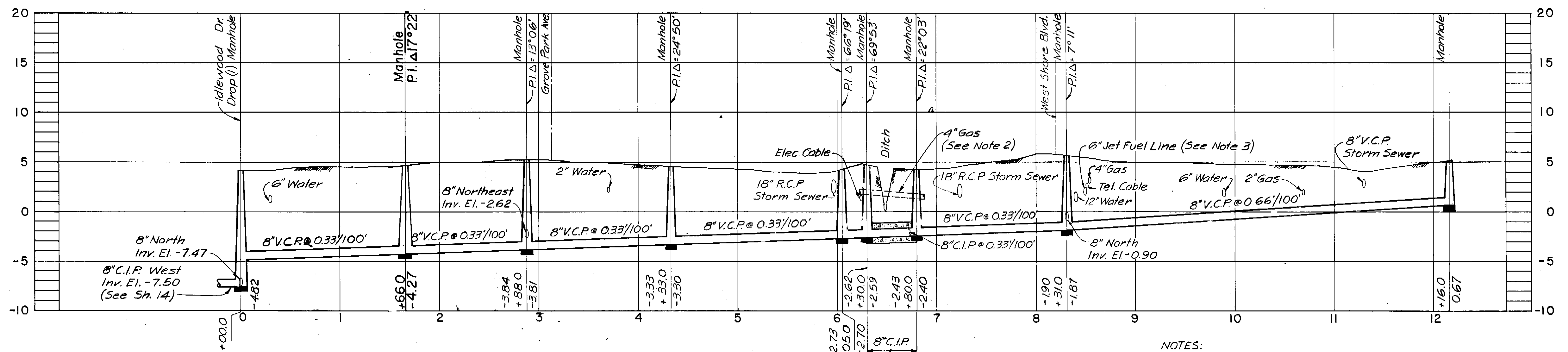
SHEET
24
OF 28

112-24



PLAN

Existing Pavement: Asphaltic Concrete on Mixed in Place Base

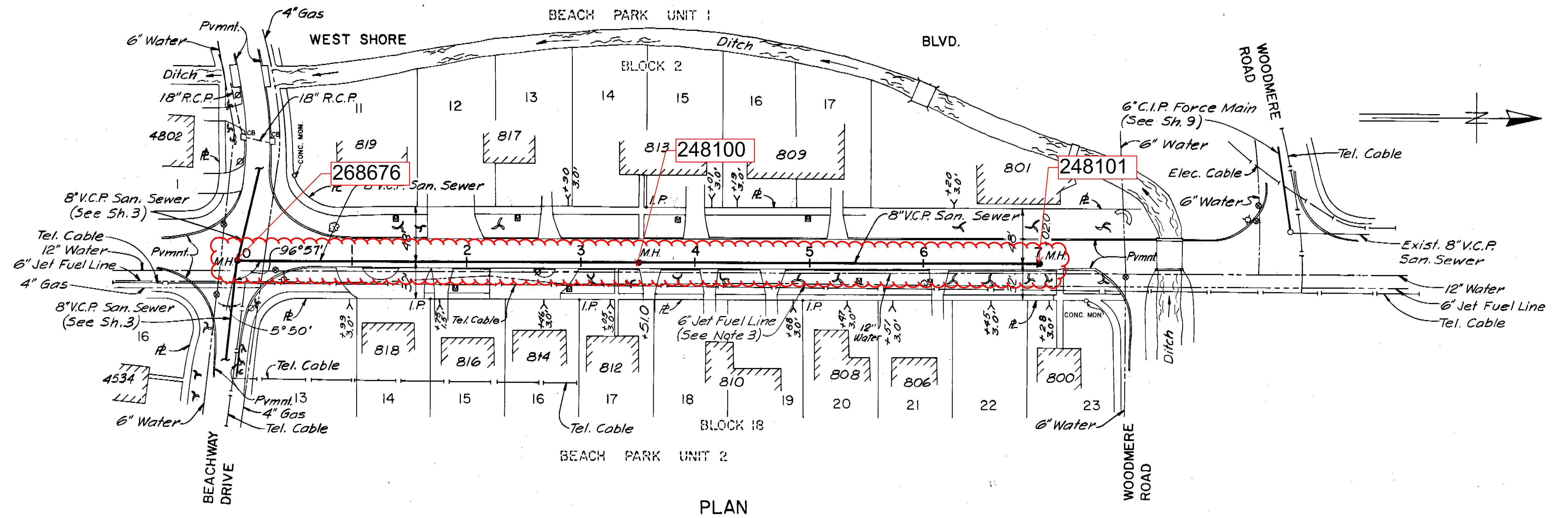


PROFILE

- NOTES:
1. B.M. "T" cut in the S. edge of sidewalk N.E. corner of West Shore Blvd & Beachway Dr. El. 5.485
 2. 4" Gas to be relocated by others.
 3. 6" high pressure liquid jet fuel line. In the event of any damage notify Tampa Pipeline Corp., 7401 Hoadley St., Tampa.

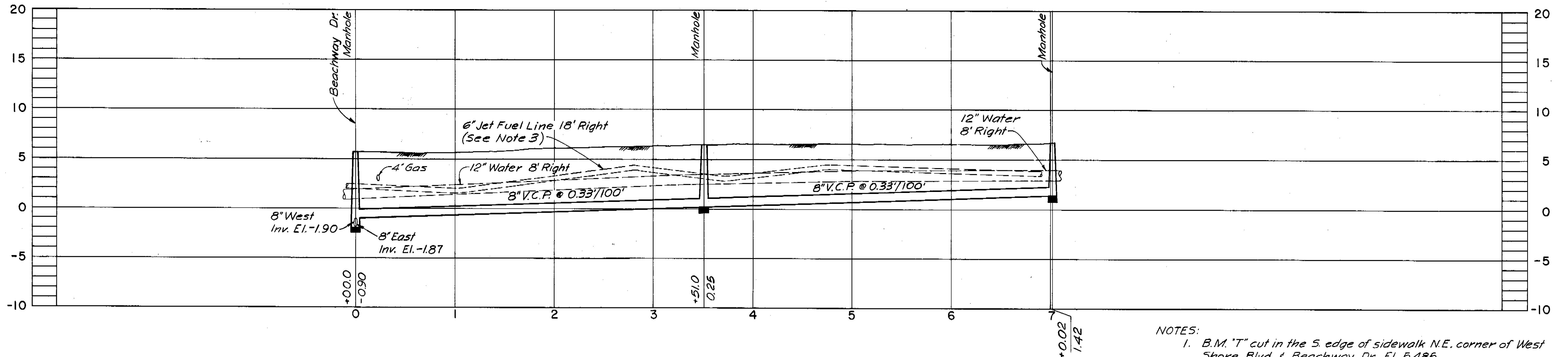
GREELEY AND HANSEN ENGINEERS 222 S. RIVERSIDE PLAZA CHICAGO, ILLINOIS 60606	DESIGNED JRT, TLW	APPROVED _____	SCALE 0 50 100 FT HORIZ. 1" = 50' 0 5 10 VERT. 1" = 5'	CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM SEWER IMPROVEMENT AREA I-4	DIVISION 4E3 PLAN AND PROFILE BEACHWAY DR.-IDLEWOOD DR. TO ROXMERE RD.	PROJ. NO. S202-70-300 4E3	
	DRAWN A.A.	SUPT., DEPT. OF SANITARY SEWERS				NO. DATE APP. REVISION	SHEET 3 OF 15
	CHECKED TLW.	GREELEY AND HANSEN, ENGINEERS				NO. DATE APP. REVISION	DATE SEPT. 1972 REV. 2

135-



PLAN

Existing Pavement: Asphaltic Concrete on Mixed in Place Base



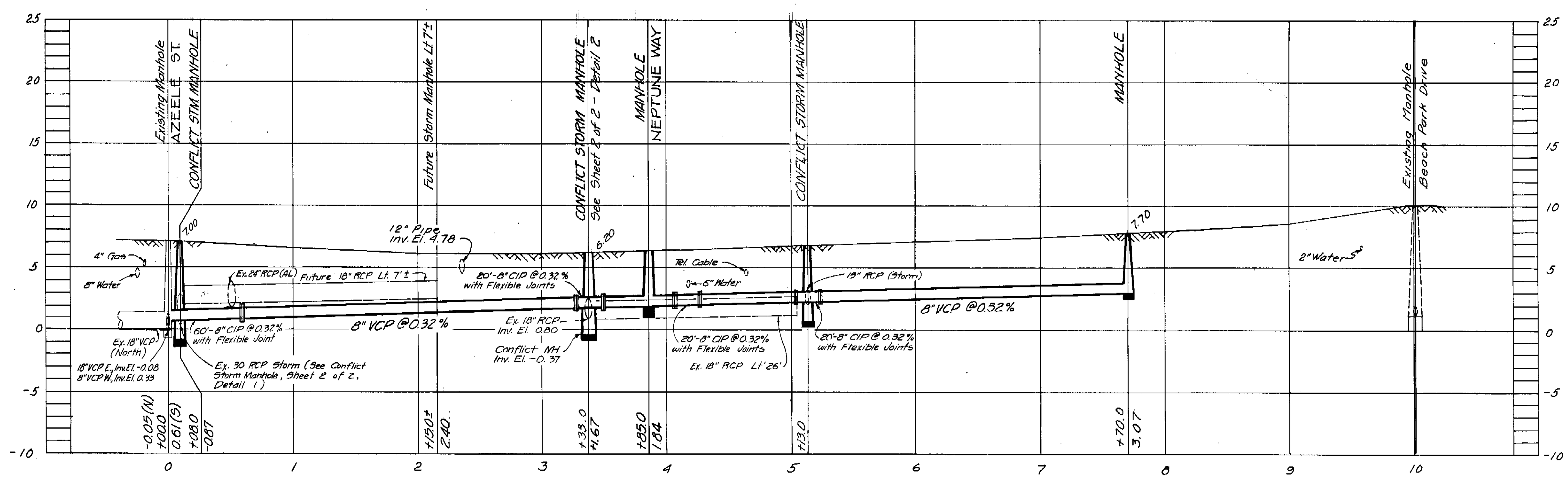
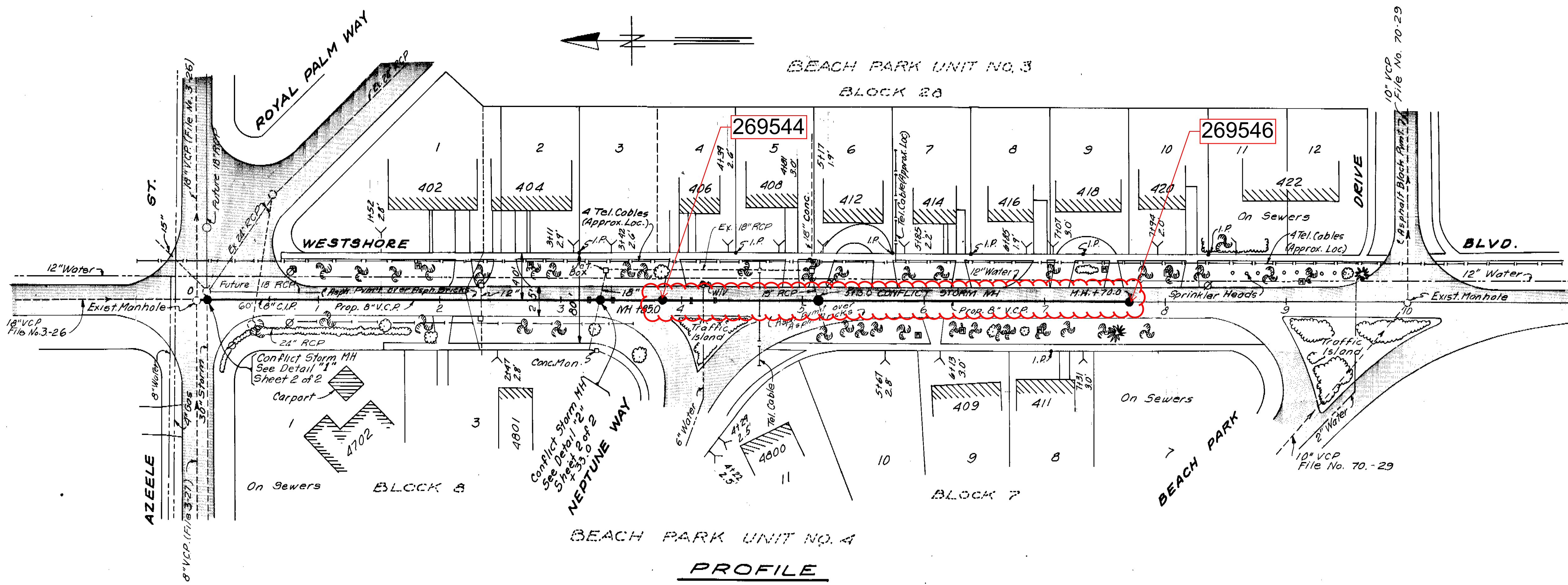
PROFILE

NOTES:

1. B.M. "T" cut in the S. edge of sidewalk N.E. corner of West Shore Blvd. & Beachway Dr. El. 5.485
2. All house laterals on east side of West Shore Blvd. shall pass under 12" water line.
3. 6" high pressure liquid jet fuel line. In the event of any damage notify Tampa Pipeline Corp, 7401 Hoadley St., Tampa

GREELEY AND HANSEN ENGINEERS 222 S. RIVERSIDE PLAZA CHICAGO, ILLINOIS 60606	DESIGNED J.R.T., T.L.W.	APPROVED	SCALE		CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM SEWER IMPROVEMENT AREA I-4	DIVISION 4E3 PLAN AND PROFILE WEST SHORE BLVD.-BEACHWAY DR TO WOODMERE RD	PROJ. NO. S202-70-30D 4E3
	DRAWN A.A.	DATE	50 0 50 100 FT. HORIZ. 1" = 50'				SHEET 8 OF 15
	CHECKED T.L.W.	DATE	5 0 5 10 VERT. 1" = 5'				DATE SEPT. 1972 REV. 0
	SUPT. DEPT. OF SANITARY SEWERS	GREELEY AND HANSEN, ENGINEERS	NO.	DATE	APP.	REVISION	

135-9



PROFILE
W.O. 5512

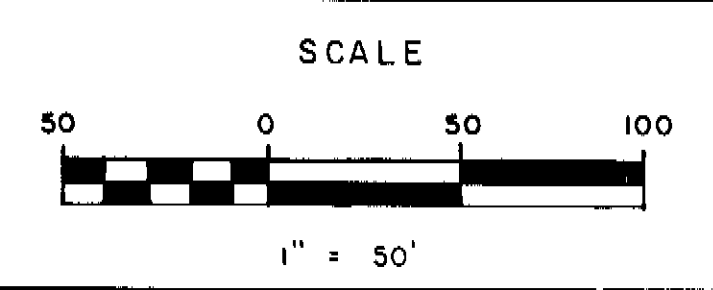
NOTES: New house connection locations are representative only and the exact locations should be determined in the field at the time of construction. House connections from Sta. 3+33.0 to Sta. 5+08.0 (east side) should pass above the existing 18" RCP Storm Sewer. The house connection to 402 South West Shore Blvd. should pass below the proposed 18" RCP Storm Sewer.

Elton J. Smith
ELTON J. SMITH P.E.
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DES: M.J.A.
DRN: C.S./E.R.
CKD.
DATE
JULY 1976

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

NO	DATE	REVISIONS
1	8-77	Manhole at Sta. 38.0 redesigned into Saddle Flashing
2	9-77	Revised to reflect changes in pipe's drainage position
3		
4		
5		

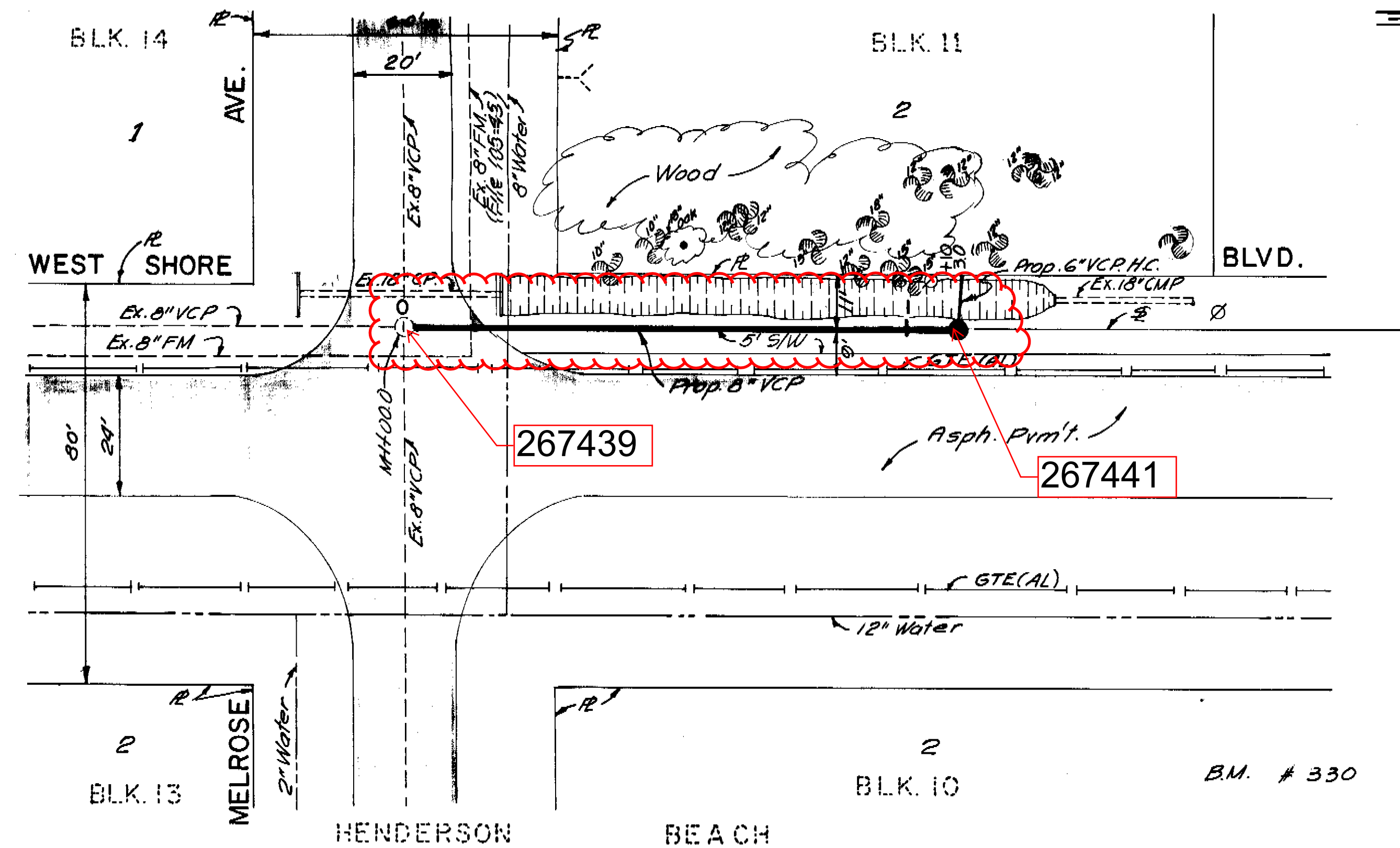


DEPARTMENT OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

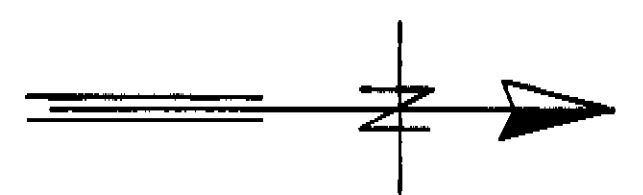
WESTSHORE BLVD. SYSTEM
SHEET
1
OF 2

142-39

STONEY POINT SUB.

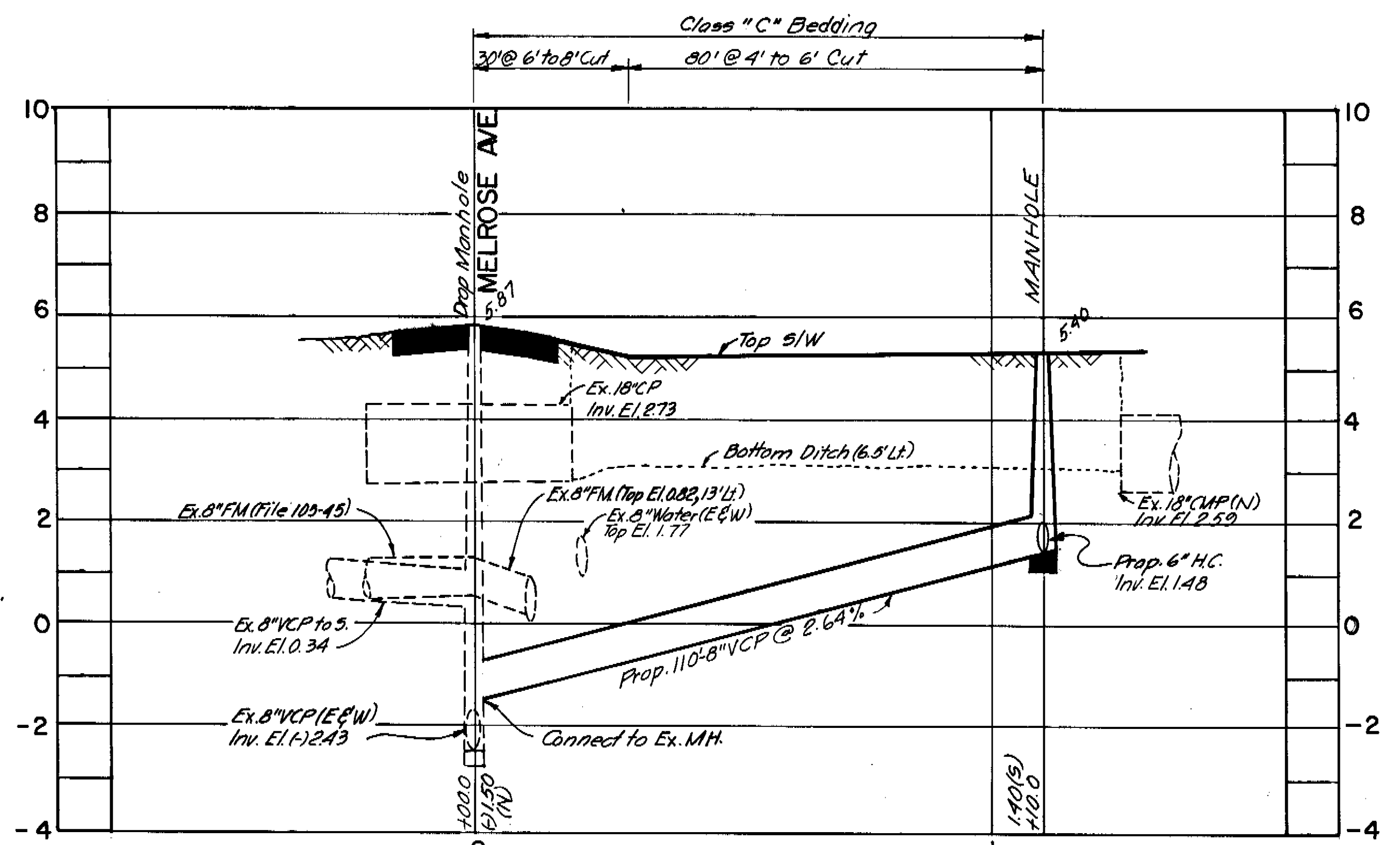


PLAN
SCALE: 1" = 20'-0"
WO# 5809



NOTES

1. All elevations are based on NGS Datum unless otherwise noted.
2. Location of existing underground utilities was prepared from the most reliable information available. Verify the location and depth of all pertinent utilities prior to construction. Notify utility companies at least 48 hours prior to beginning construction.
3. New house connections are representative only. Required location and depth will be coordinated with the homeowner at the time of construction by the Engineer.
4. Patch pavement with Asph. Cons. Type S1.
5. Use DIP laterals under ditches when cover is less than 18 inches.
6. Replace 5' sidewalk between station 0+16.0 and 1+16.0.



PROFILE
SCALE:
HORIZ: 1" = 20'-0"
VERT: 1" = 2'-0"

AS BUILT

Andrew T. Cronberg
ANDREW T. CRONBERG, P.E. #3580
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DES: M.D.
DRN: E.R.
CKD:
DATE:

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

No	DATE	REVISIONS
1	2-19-86	AS-BUILT HOUSE CONNECTION PAR
2		
3		
4		
5		

SCALE
AS SHOWN

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

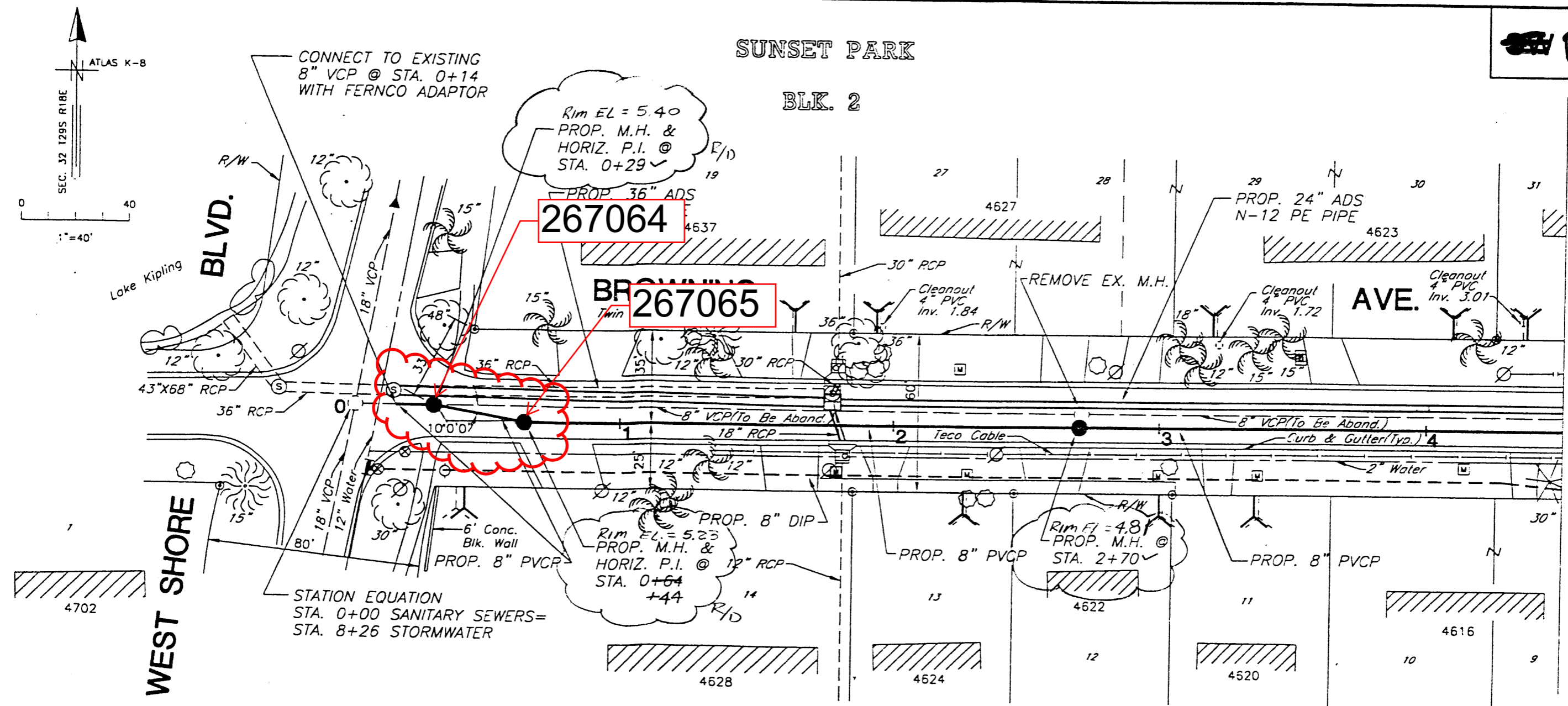
GRAVITY EXTENSION
FOR 1703 S. WESTSHORE BOULEVARD.

SHEET
OF

C 209-32 (pend)

SUNSET PARK

BLK. 2



BLK. 3

PLAN

PLEASE SEE: B066-189

CONSTRUCTION DRAWINGS
 • STORM SEWERS - SEE SHEETS 4 TO 12
 • SANITARY SEWERS - SEE SHEETS 13 TO 18
 • WATER LINE - SEE SHEETS 19 TO 25

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

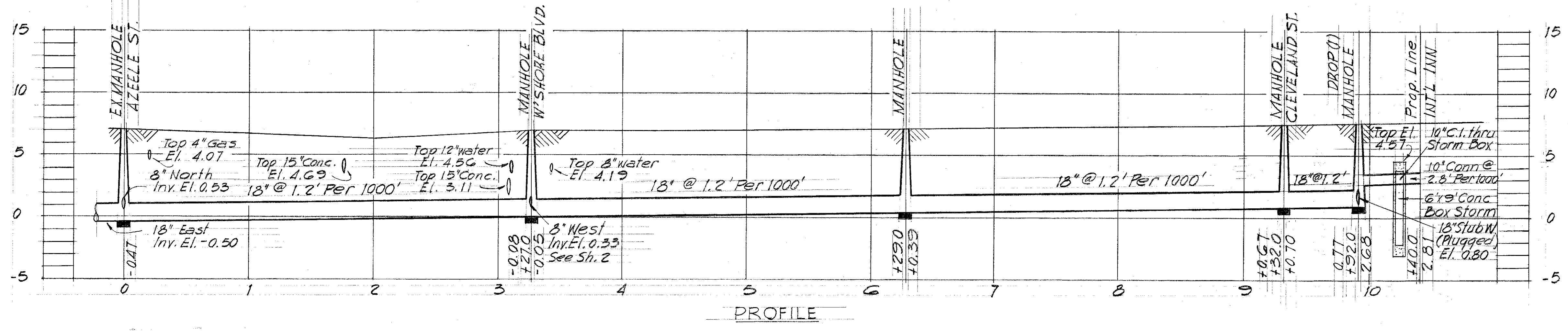
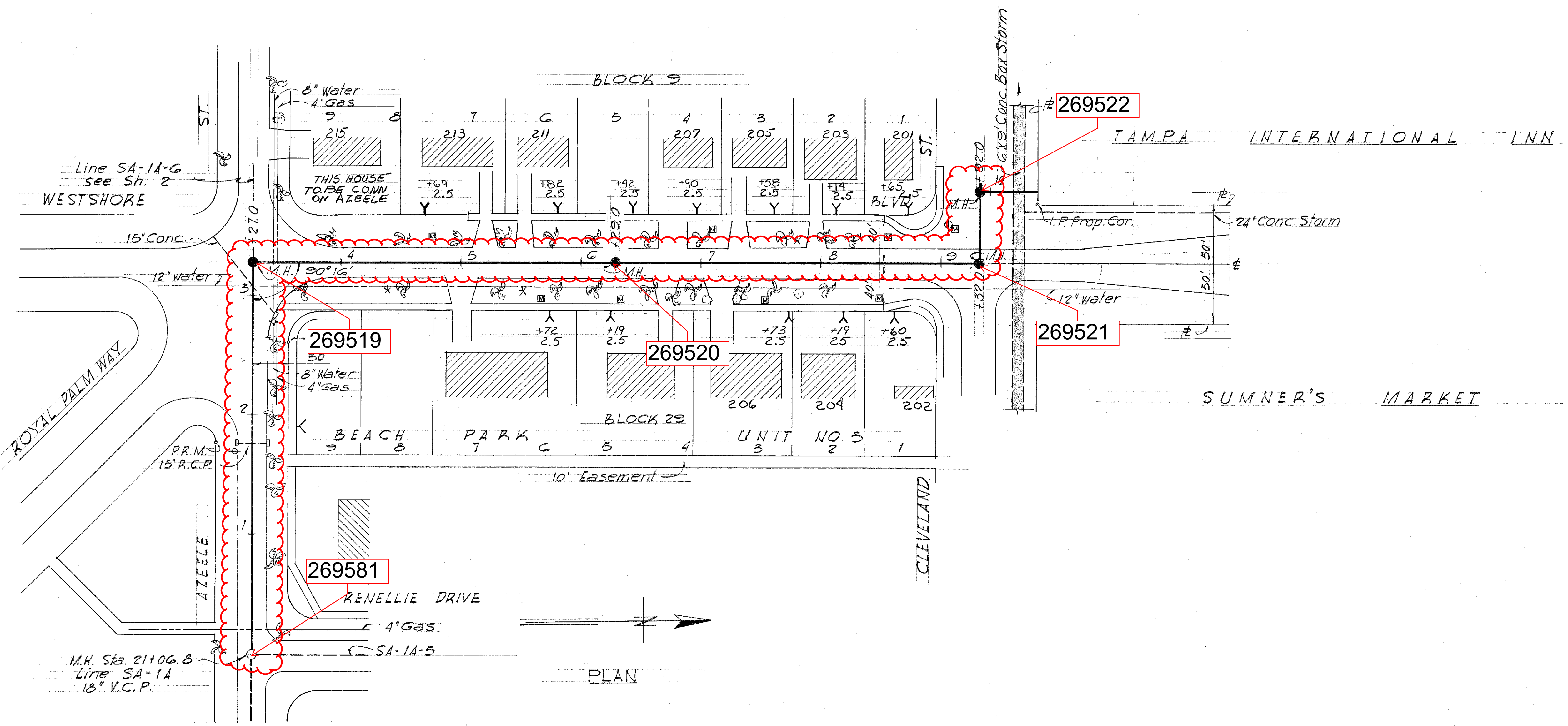
DES: AB/JT
 DRN: CR/WA
 CKD: *AK*
 DATE: 12/21/10

CITY of TAMPA
 DEPARTMENT OF SANITARY SEWERS
 STORMWATER DIVISION

DUNDEE RIVER DRAINAGE BASIN IMPROVEMENTS
BROWNING AVE.: From West Shore Blvd.
To Henderson Blvd.

W.O. 6553
 SHEET
13
 of 52

R14 STA. #3 1-40 C:\R14\DWG\STORM\6553



WORK ORDER NO. 1287
R. & R. FORCE ACCOUNT NO. 32

FOR BUREAU OF SANITARY SEWERS
DEPT. OF PUBLIC WORKS

REC'D *Arthur S. Cooper Jr.* Date 4-19-61
Executive Engineer

APPROVED *Esteban* Date 5-1-61
Superintendent

APPROVED *[Signature]* Date 5-1-61
Supt. Dept. of Public Works

FOR A. E. GREENER COMPANY
APPROVED *George S. Jenkins* Date 5-1-61

FOR WIEDEMAN AND SINGLETON
APPROVED *P. E. Drummond* Date 10-30-61

CITY OF TAMPA, FLORIDA
RENEWAL AND REPLACEMENT FUND

SEWER IMPROVEMENTS

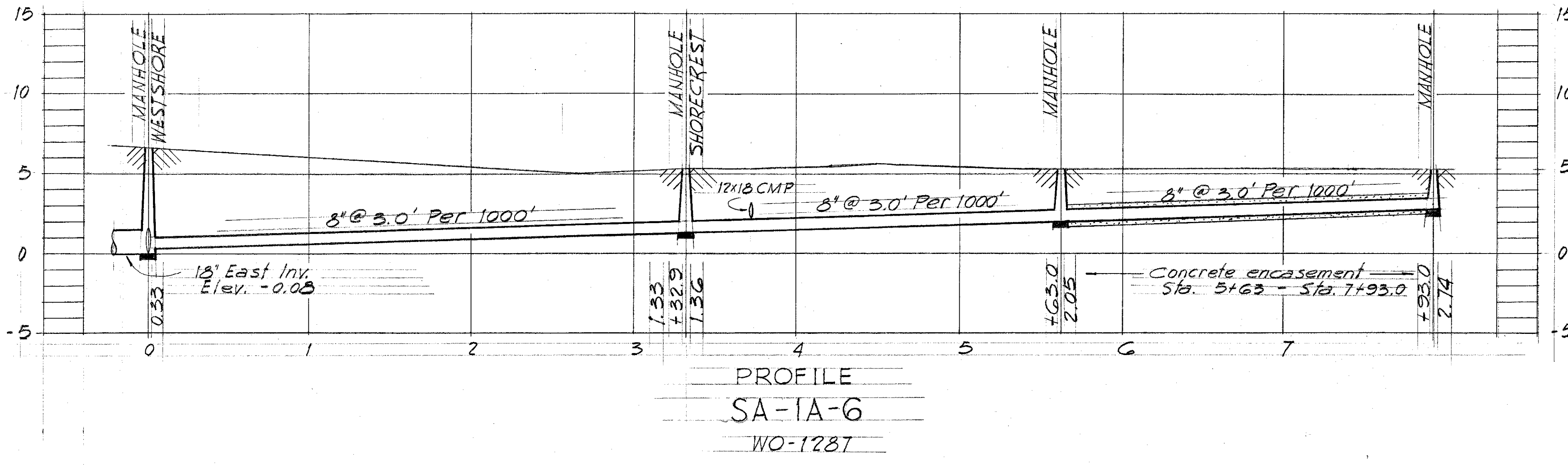
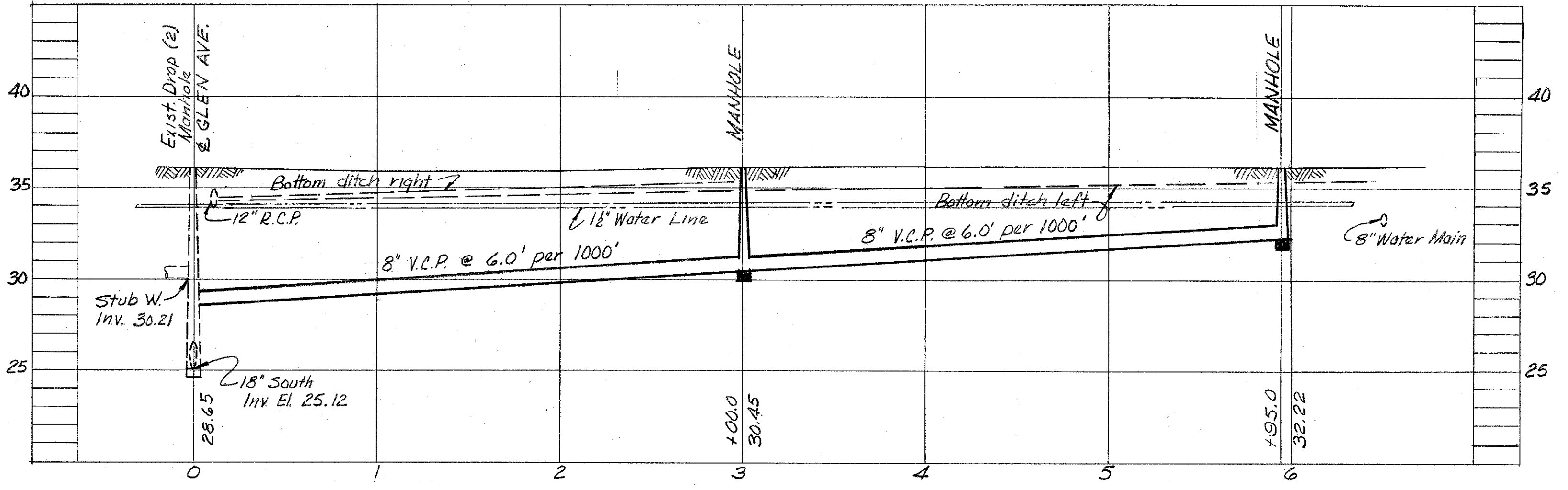
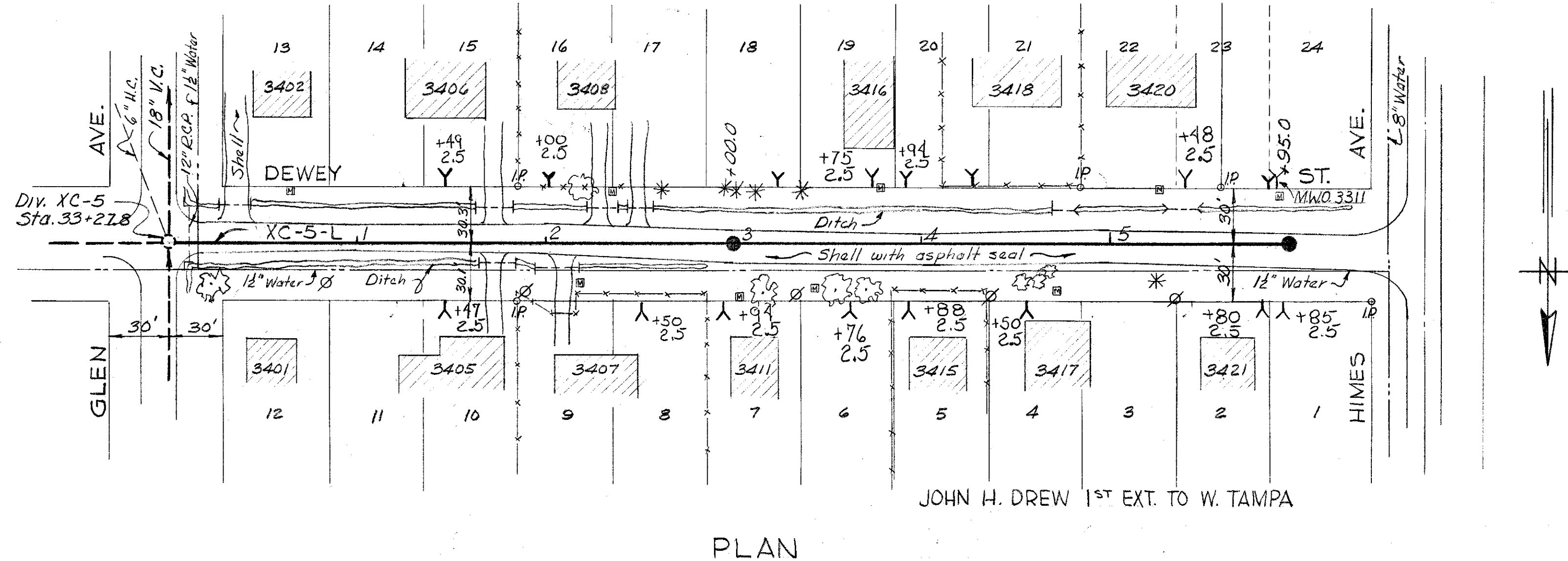
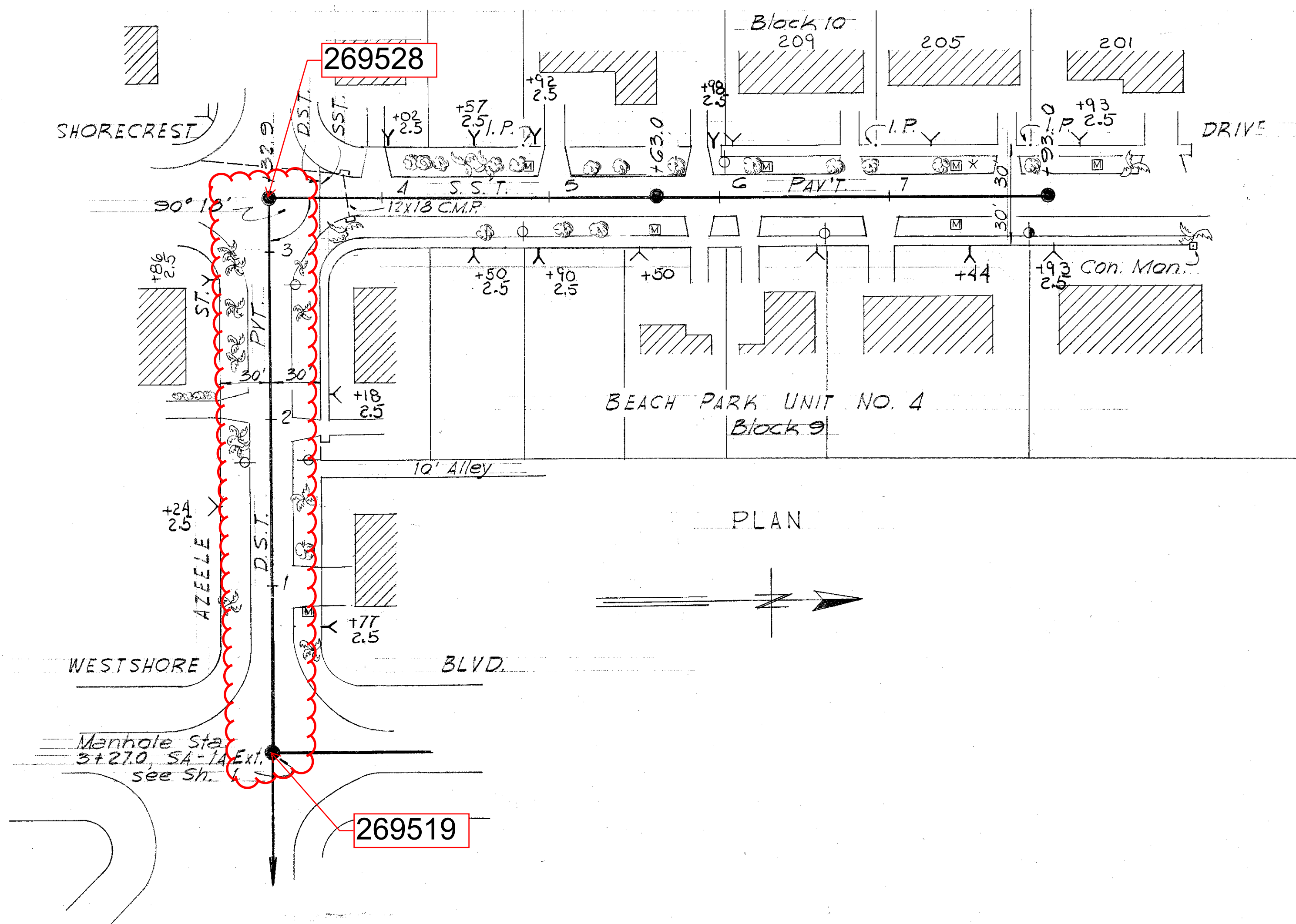
SA-1A EXT.

DES: A.S.C.
DR: E.C.A.
CKD: A.S.C.
DATE: APR 1961

1" = 50'

SHEET 1 OF 3

3-26



WORK ORDER NO. *As shown*
 R. & R. FORCE ACCOUNT NO. 32

FOR BUREAU OF SANITARY SEWERS
 DEPT. OF PUBLIC WORKS

REC'D. *William S. Cooper* Date 4-12-61
 Executive Engineer

APPROVED *[Signature]* Date 5-1-61
 Superintendent

APPROVED *[Signature]* Date 5-1-61
 Supt. Dept. of Public Works

FOR J. E. GREINER COMPANY

APPROVED *[Signature]* Date 5-1-61

FOR WEDEMAN AND SINGLETON

APPROVED *[Signature]* Date 10-30-61

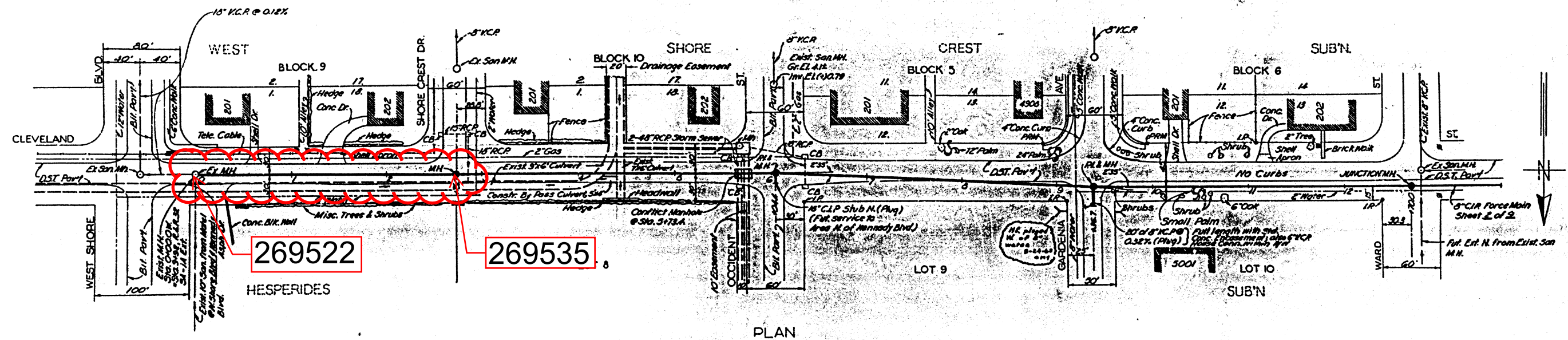
CITY OF TAMPA, FLORIDA
 RENEWAL AND REPLACEMENT FUND
 SEWER IMPROVEMENTS

SA-1A-6
 XC-5-L

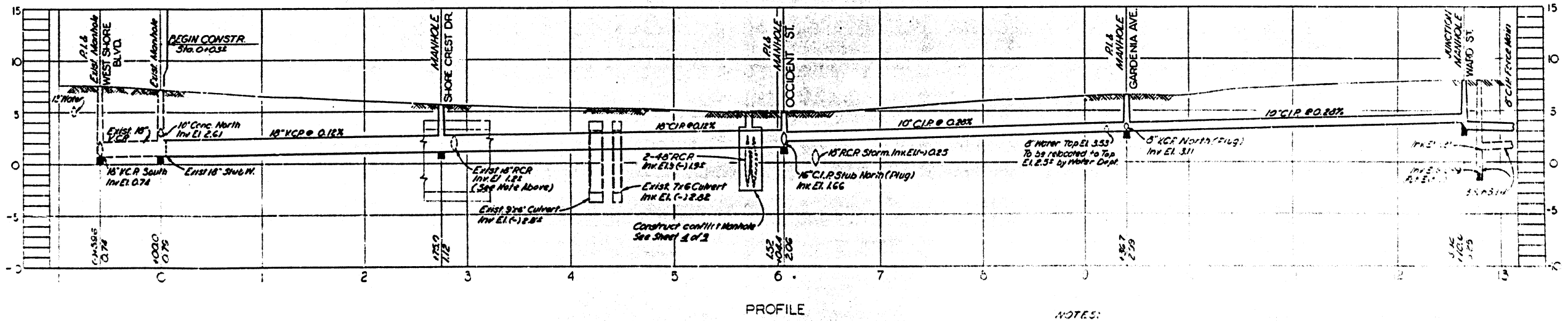
DES. A.S.C.
 DR. E.C.A.
 CKD. A.S.C.
 DATE
 FEB. 1961

50 0 50 100
 1" = 50'

SHEET
 2
 OF 3



NOTE: STORM SEWERS MODIFICATIONS ON CLEVELAND ST, Shore Crest Dr to Occident St; See Sheet 2 of 2.



NOTES:
1) Datum: BM TA-253-A, Elev. 7.62
2) cut on SE corner of station 3+58
Datum of West Shore Blvd and Cleveland St

R & R FORCE ACCOUNT # 50 W.O. 1649 B

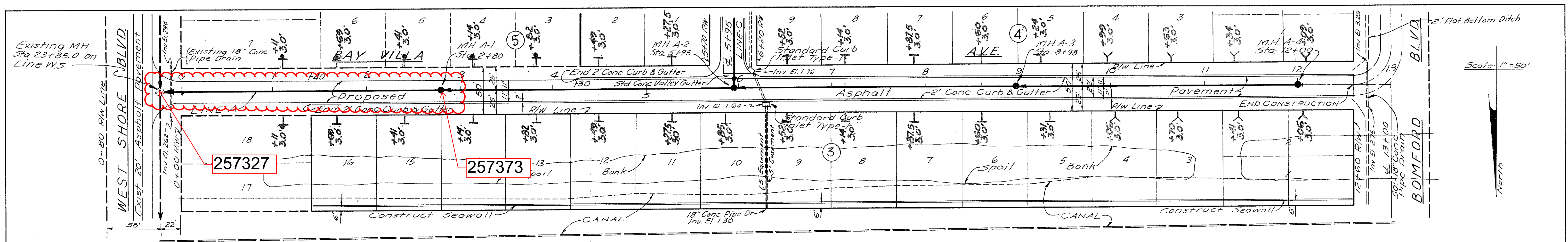
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

CLEVELAND ST: Westshore Blvd. to Ward St.

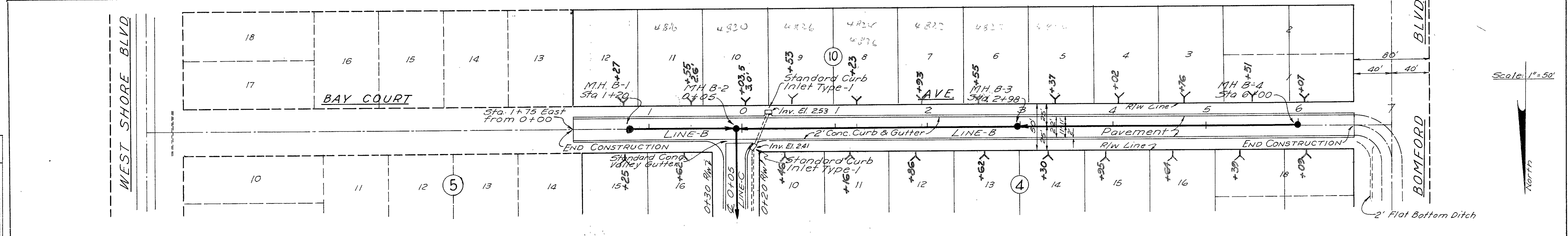
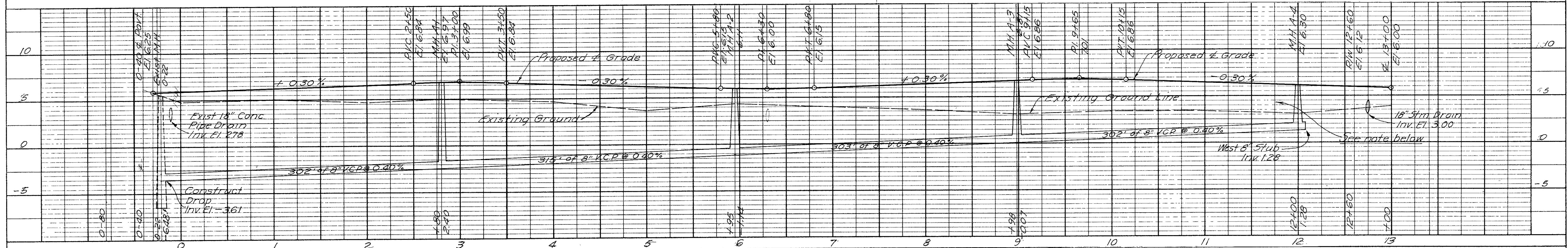
DES: A B C
DRN: P A L
CRD: C M T
DATE:
OCT. 1964

SCALE: 1" = 50'

Drainage Subdistrict A-3



DATE	
BY	
REVISION	
NO.	
PLAN	
NO.	
NO.	
NO.	
NO.	



DATE	
BY	
REVISION	
NO.	
PROFILE	
NO.	
NO.	
NO.	
NO.	

SPECIAL NOTE
 1. If fill is placed after sewer is installed, suitable precaution should be taken to prevent damage to the lines or house connections thereto, during filling and compaction.

NOTE:
 U.G. Locations shown hereon are taken from Daily Reports and not from As-Builts

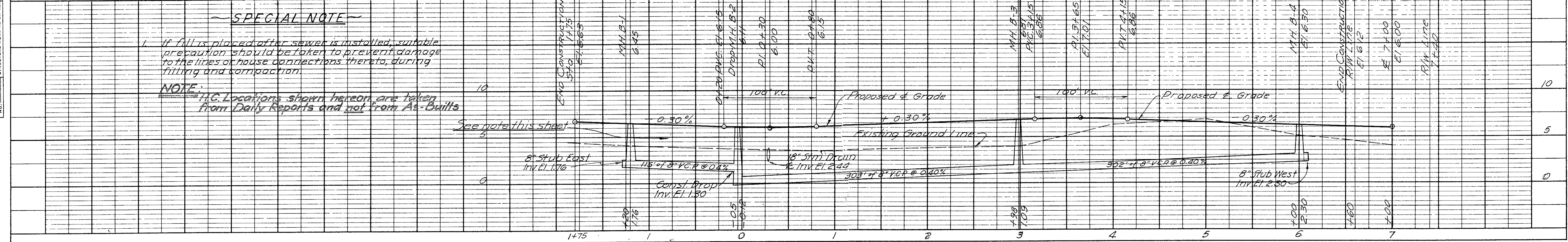


PLATE 2-PLAN-PROFILE O.P.R. & R.E. STANDARD
 100% AGEPROOF VELLUM - MADE AND PRINTED IN U.S.A.
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SHEET 2 OF 3 SHEETS

MARGARET ANNE SUB. REV.