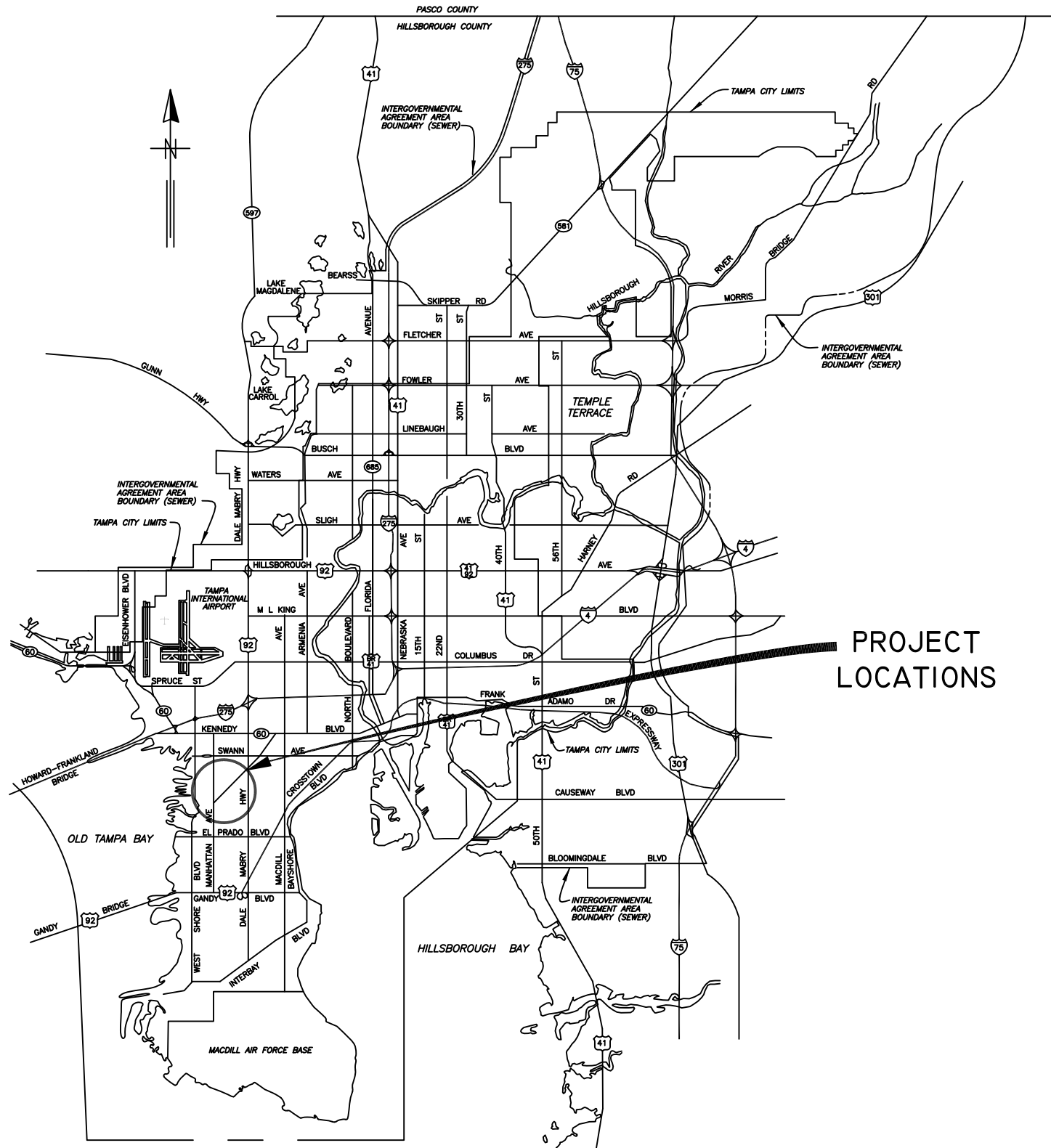


LOCATION MAP



PROJECT LOCATIONS

CITY of TAMPA



WASTEWATER DEPARTMENT

PLANS FOR
WESTSHORE BLVD COLLECTION SYSTEM
CIPP LINING

CONTRACT No.
20-C-00031

CTB - MONOCHROME.CTB

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: MS	CITY of TAMPA WASTEWATER DEPARTMENT	WESTSHORE BLVD COLLECTION SYSTEM CIPP LINING COVER SHEET	W.O.
	3			DRN: MS/JG			SHEET
	2			CKD:			1
	1			DATE: 3/11/20			OF 33

GENERAL NOTES

1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 10", 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 9-33 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". 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" SEWER SHALL BE 7.5 MM THICKNESS, 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. EXISTING PEAK FLOWS:
 - A. 10" SEWER IN WEST SHORE BLVD. NORTH OF SUNSET DR. HAS A 400 GPM PEAK FLOW. MELROSE PUMP STATION DISCHARGES 300 GPM INTO MH FID#267053 WHEN THE PUMP IS ON-LINE.
 - B. 18"/15" SEWER IN WEST SHORE BLVD. SOUTH OF SUNSET DR. HAS 100 GPM PEAK FLOW. THIS PIPE USED TO HAVE THE LAUREL PUMP STATION DISCHARGE INTO IT BUT THE FORCE MAIN WAS DIVERTED.
 - C. 18" SEWER IN SUNSET DR. EAST OF WEST SHORE BLVD. HAS 600 GPM PEAK FLOW.
17. BYPASS NOTES:
 - A. THE BYPASS OF THE 10" PIPE IN WEST SHORE BLVD. NORTH OF SUNSET DR. BETWEEN MH FID#267053 AND MH FID#267082 WILL REQUIRE THE CONTRACTOR TO COORDINATE WITH THE CITY OF TAMPA TO SHUT DOWN MELROSE PUMP STATION. CONTRACTOR SHALL PROVIDE A MINIMUM OF (4) TANKER TRUCKS TO "HONEY DIP" THE PUMP STATION. CONTRACTOR MAY ALSO OPT TO SET-UP A BYPASS SYSTEM IN WEST SHORE AS AN ALTERNATIVE.
 - B. THE BYPASS OF THE 18" PIPE IN SUNSET DR. BETWEEN MH FID#267082 AND MH FID#267084 WILL REQUIRE THE CONTRACTOR TO COORDINATE WITH THE CITY OF TAMPA TO SHUT DOWN MELROSE AND SUNSET PUMP STATIONS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM OF (8) TANKER TRUCKS TO "HONEY DIP" THESE COLLECTION SYSTEMS WITH (4) TANKER TRUCKS AT MELROSE PS, (2) TANKER TRUCKS AT SUNSET PS AND (2) TANKER TRUCKS FOR THE LOCAL COLLECTION SYSTEM.
 - C. THE MINIMUM QUANTITY OF TANKER TRUCKS NOTED ABOVE IS BASED ON THE PEAK FLOWS AND 1500 GALLON VOLUME TANKER TRUCKS. TANKER TRUCKS SHALL BE A MINIMUM 1500 GALLON CAPACITY.
 - D. THE CITY WILL REQUIRE A MINIMUM 2 WEEK PRIOR NOTICE OF THE PUMPING STATION SHUTDOWNS.
 - E. THE BYPASS OF THE 18" PIPE IN SUNSET DR. BETWEEN MH FID#267084 TO MH FID#267088 WILL REQUIRE THE CONTRACTOR TO SET UP A BYPASS SYSTEM CAPABLE OF HANDLING A MINIMUM 600 GPM CAPACITY. THE CONTRACTOR IS RESPONSIBLE IN MAINTAINING ACCESS TO ALL DRIVEWAYS AND MAINTAINING 2 WAY TRAFFIC IN SUNSET DR. AND HENDERSON BLVD. BY UTILIZING TEMPORARY VEHICULAR ROAD RAMPS OR OTHER APPROVED MEANS.
 - F. ALL BYPASS PUMPING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS.

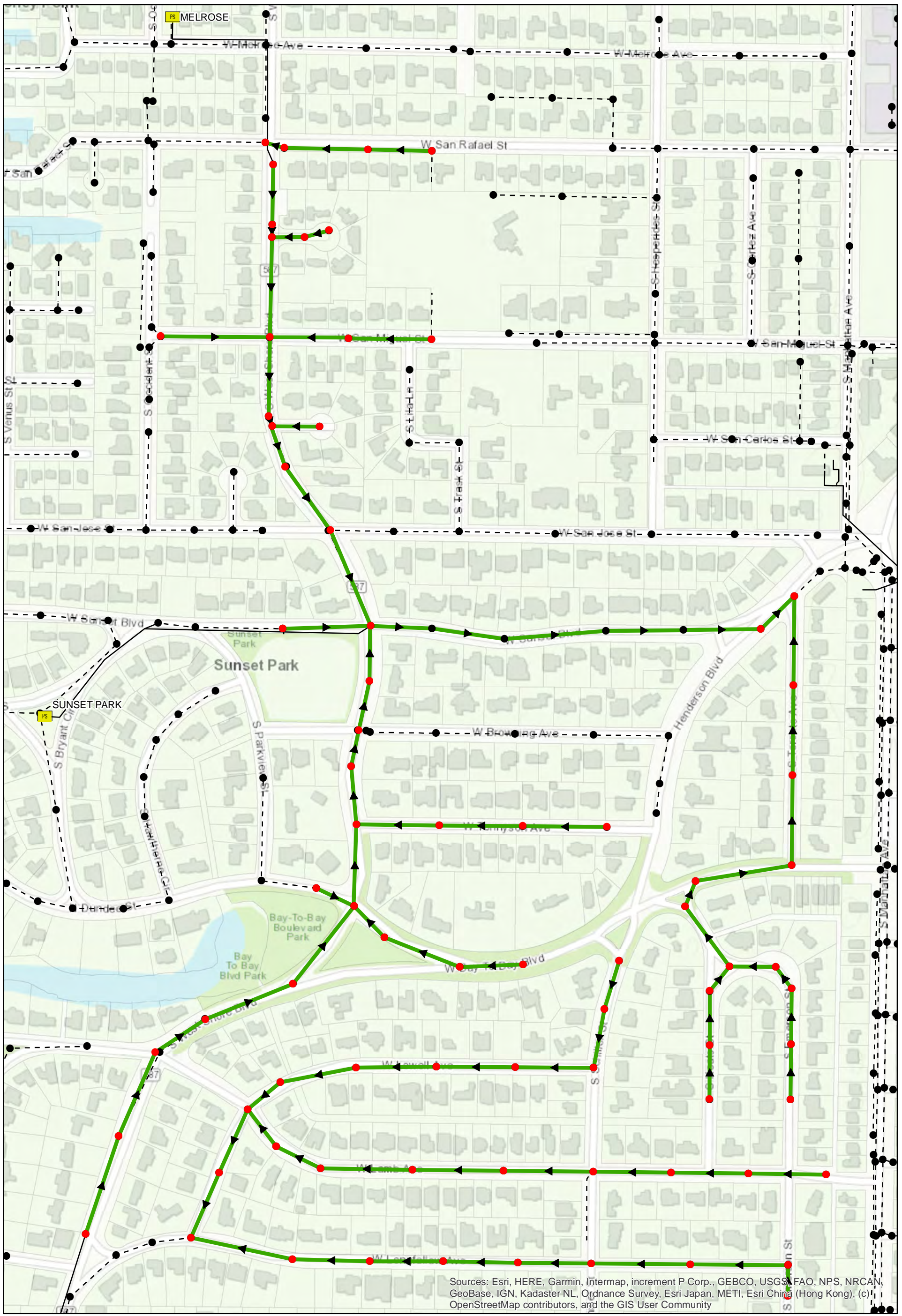
INDEX	
SHEET NUMBER	SHEET NAME
1	COVER SHEET
2	NOTE AND INDEX
3	WESTSHORE AND SAN MIGUEL OVERVIEW
4	AREA MAP - WESTSHORE AND SAN MIGUEL
5	AREA MAP - WESTSHORE AND SAN MIGUEL
6	AREA MAP - WESTSHORE AND SAN MIGUEL
7	AREA MAP - WESTSHORE AND SAN MIGUEL
8	MANHOLE DETAIL
9-33	WASTEWATER RECORD DRAWINGS FOR 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.

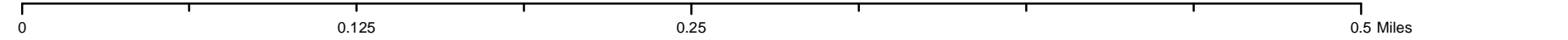
PROPOSED MANHOLE COATING SYSTEM THICKNESS	
Location	Coating System
Manhole Barrel	250 MILS (MIN)
Manhole Benches	250 MILS (MIN)

PLOTTED BY: Michael F. Salgado
 DRAWING FILE: \\server\sewer\Share\WasteWater Projects\Westshore Blvd Collection System CIPP Lining\Drafting\DWG\Neighborhood Collections_Sys - Cover and Notes.dwg
 PLOT DATE: Tuesday, March 17, 2020 11:21:39 AM
 LAST SAVED BY: ssi1
 CTB - MONOCHROME.CTB

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: MS	CITY of TAMPA WASTEWATER DEPARTMENT	WESTSHORE BLVD COLLECTION SYSTEM CIPP LINING NOTE AND INDEX	W.O.
	3			DRN: MS/JG			SHEET
	2			CKD:			2
	1			DATE: 3/11/20			OF 33



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



Westshore and San Miguel Overview
 City of Tampa Wastewater Department

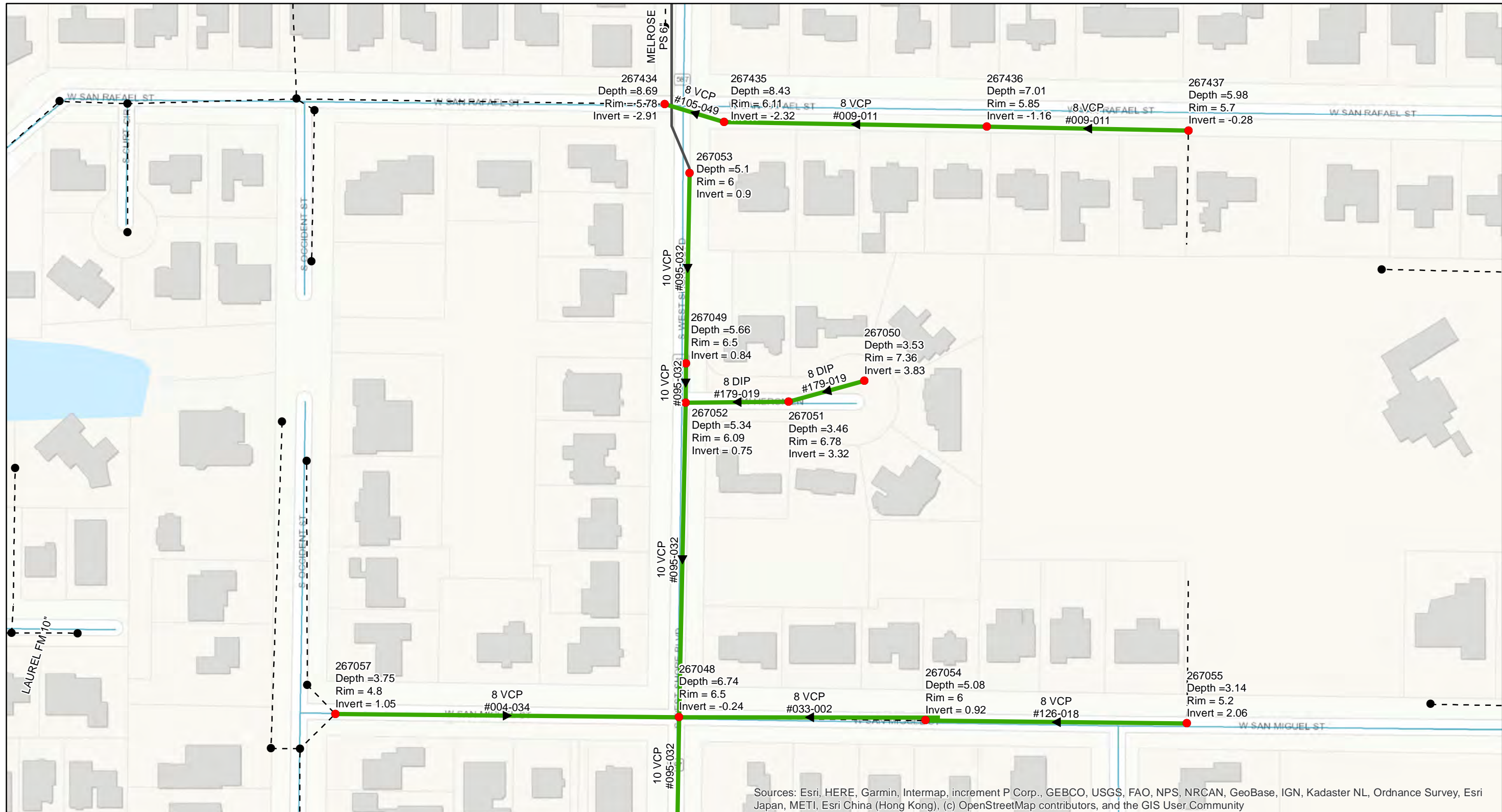
Legend

- Proposed Manhole Rehab
- ▶ Proposed Lining Area
- PS Pump Station
- Ex Manhole (no rehab required)
- ▶ Ex Wastewater (no rehab required)
- Ex Pressurized Main



Sheet No.
3





0 0.015 0.03 0.06 Miles

Westshore and San Miguel

City of Tampa Wastewater Department

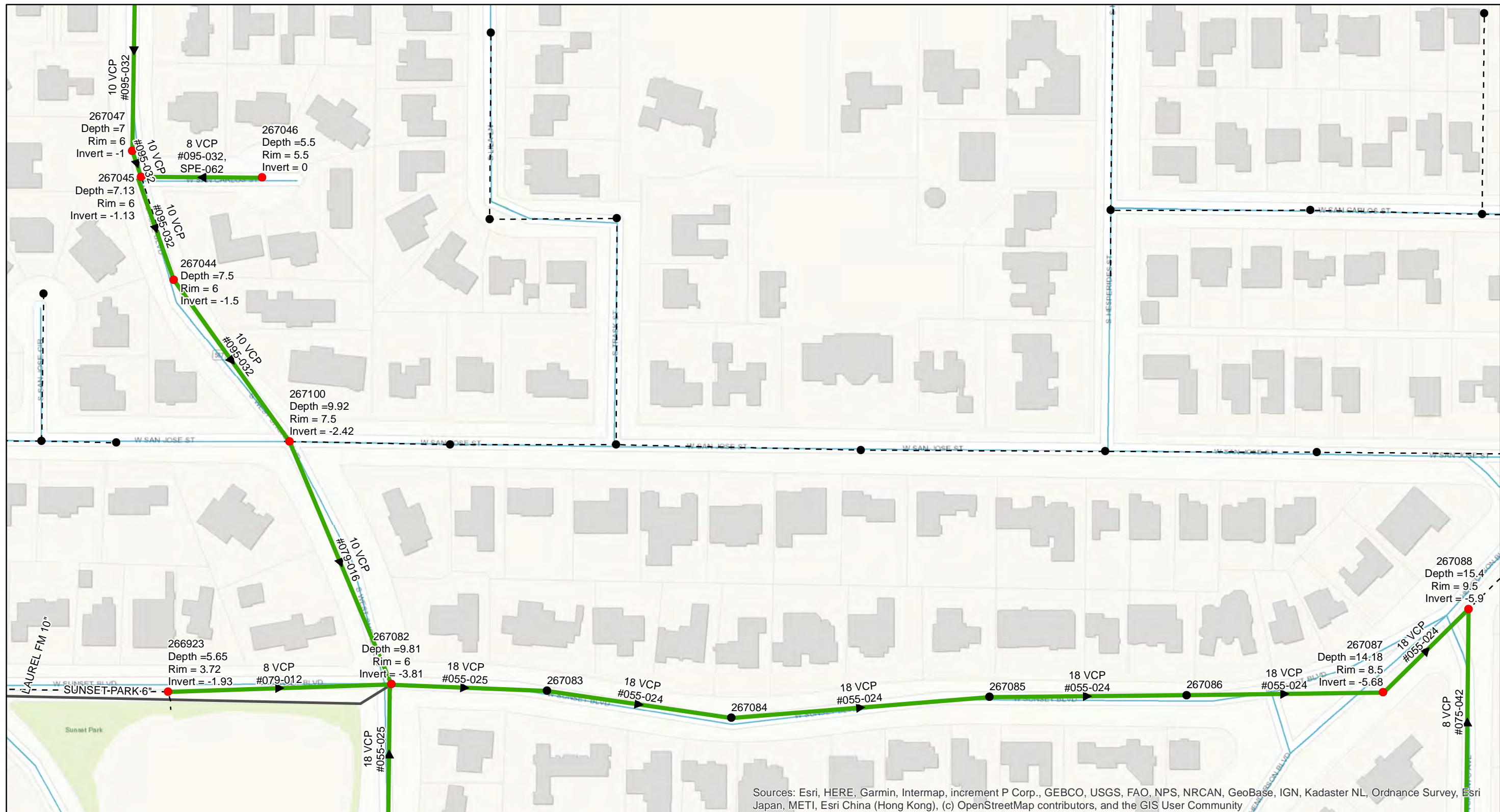
Legend

- Proposed Manhole Rehab
- Manholes
- Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Ex Pressurized Main



Sheet No.
4





Westshore and San Miguel

City of Tampa Wastewater Department

Legend

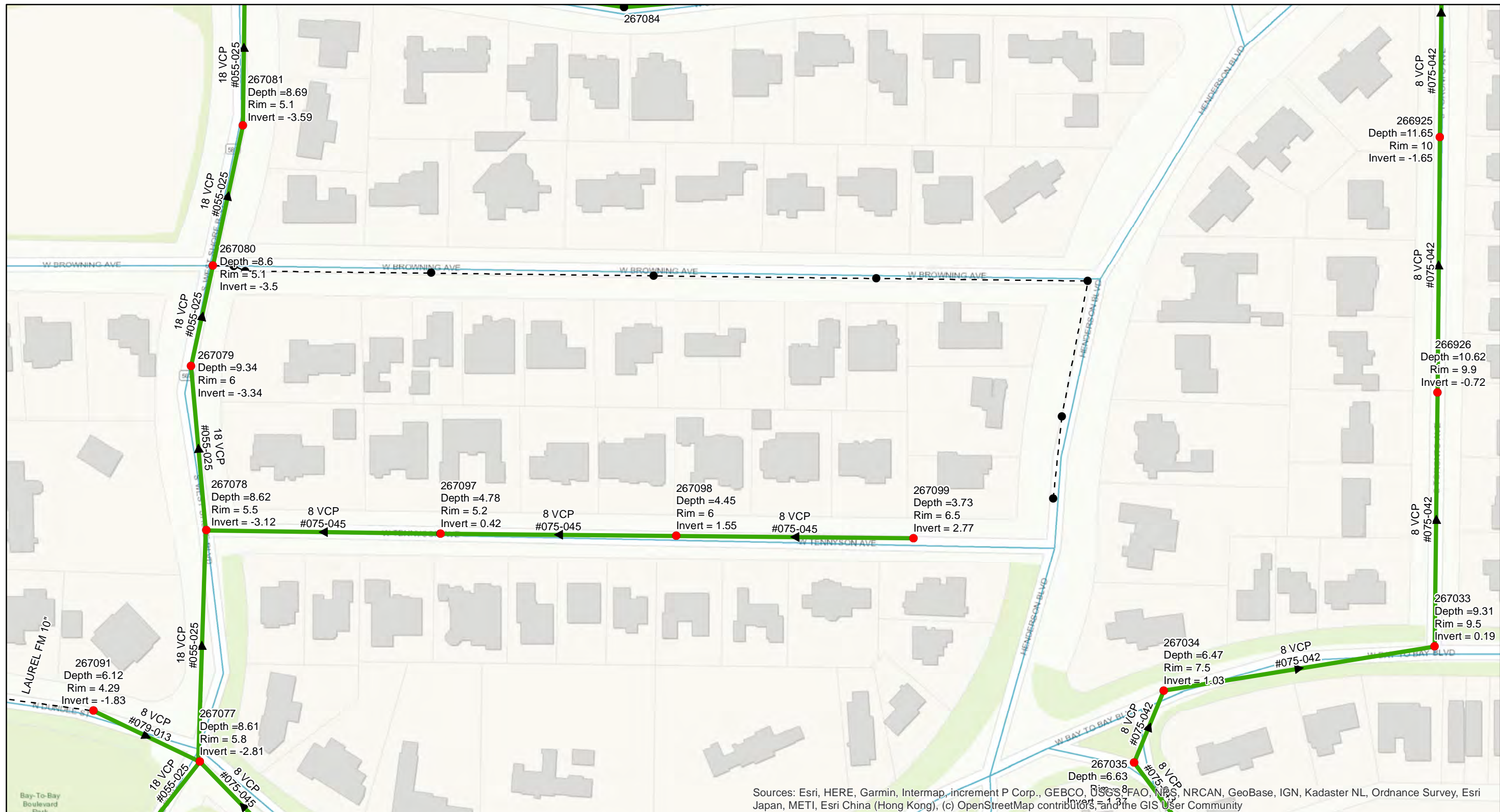
- Proposed Manhole Rehab
- Manholes
- Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Ex Pressurized Main



Sheet No.
5



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



Westshore and San Miguel

City of Tampa Wastewater Department

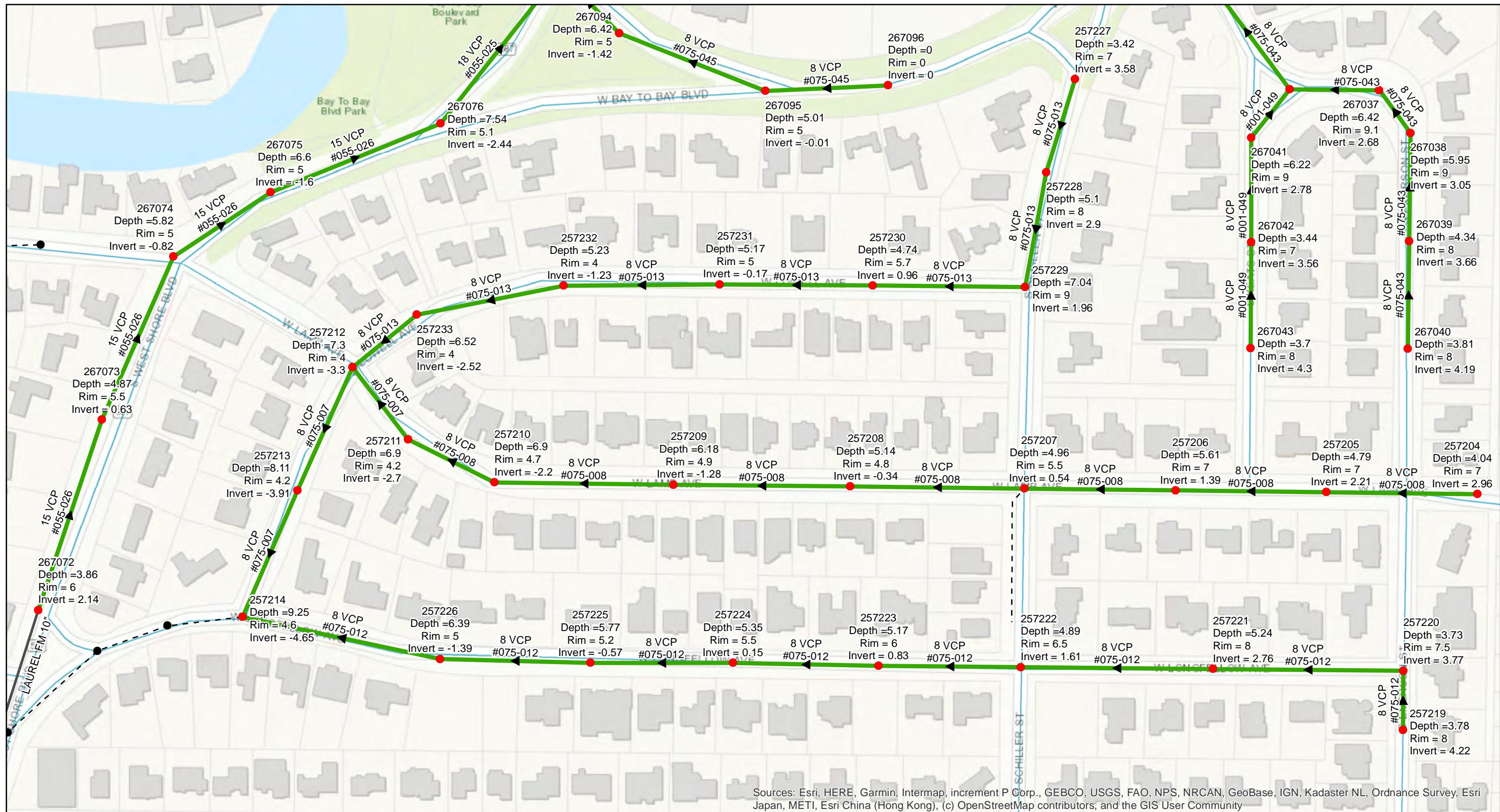
Legend

- Proposed Manhole Rehab
- Manholes
- Proposed Lining Area
- Ex Wastewater (no rehabilitation required)
- Ex Pressurized Main



Sheet No.
6





Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Westshore and San Miguel

City of Tampa Wastewater Department

Legend

- Proposed Manhole Rehab
- Manholes
- Proposed Lining Area
- - - - Ex Wastewater (no rehabilitation required)
- Ex Pressurized Main

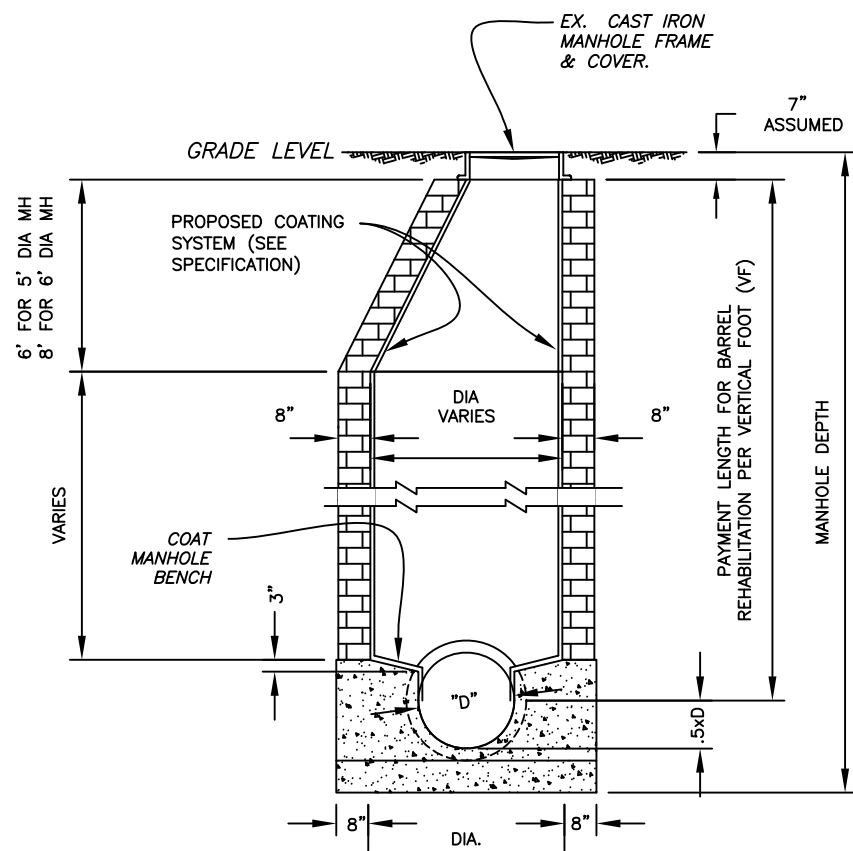


Sheet No.
7



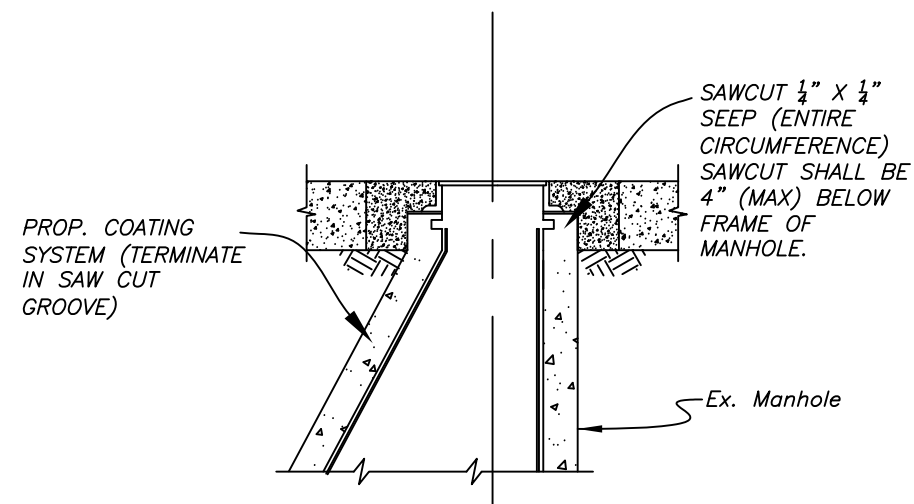
NOTES

- IT IS THE ENGINEER'S INTENT THAT THE MANHOLE REHABILITATION WILL NOT REQUIRE BYPASS PUMPING. HOWEVER, WORK DURING LOW-FLOW PERIODS MAY BE NECESSARY.



BRICK MANHOLE
(TYPICAL)

NOT TO SCALE

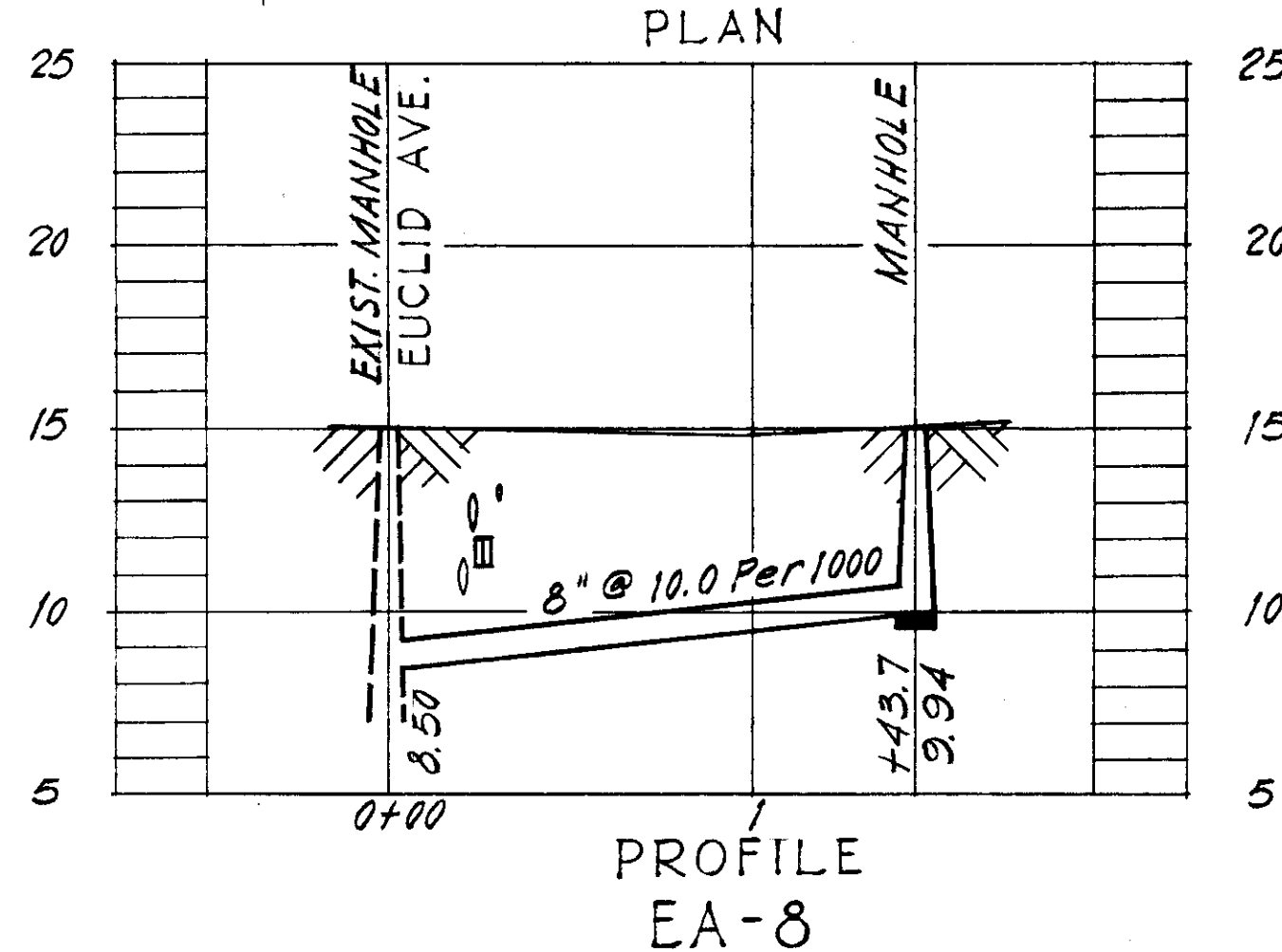
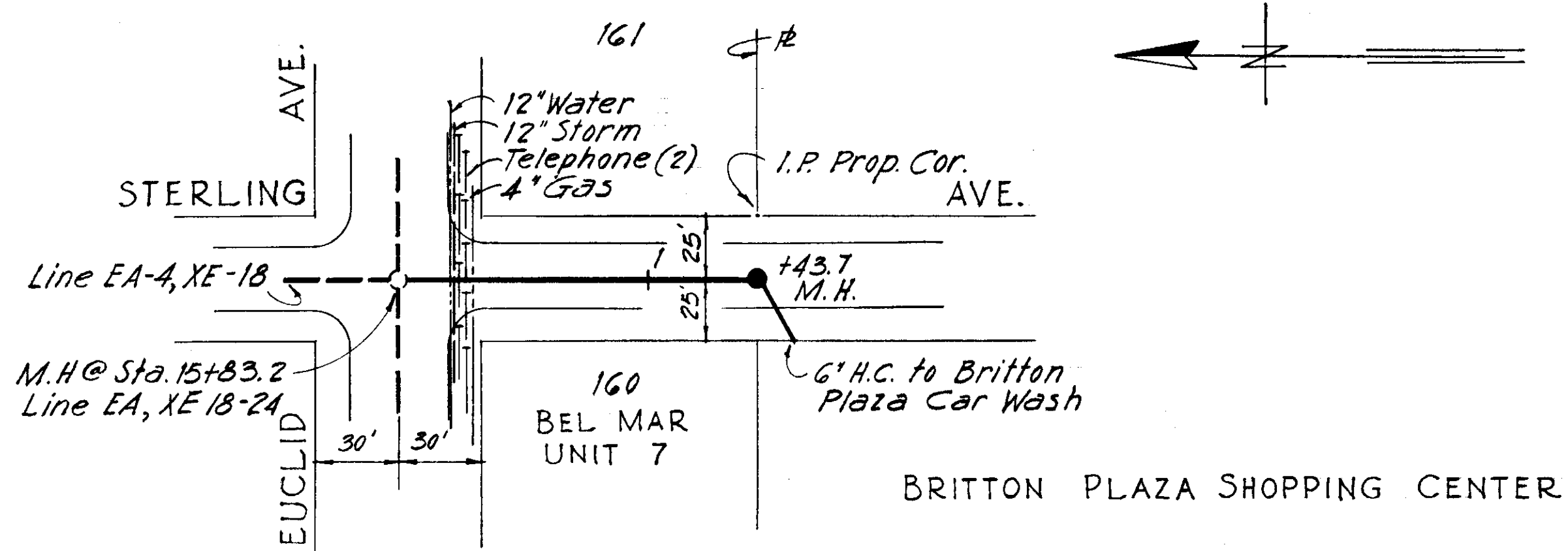


COATING TERMINATION DETAIL

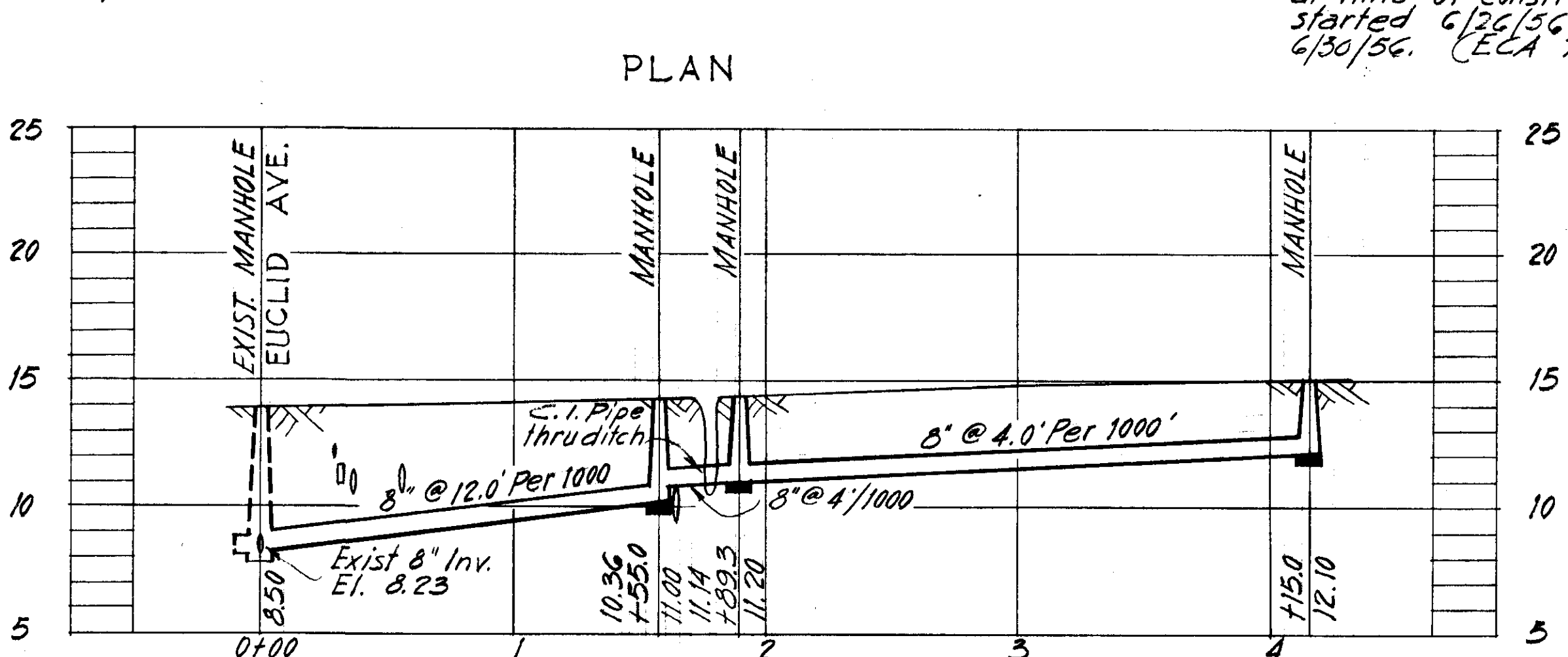
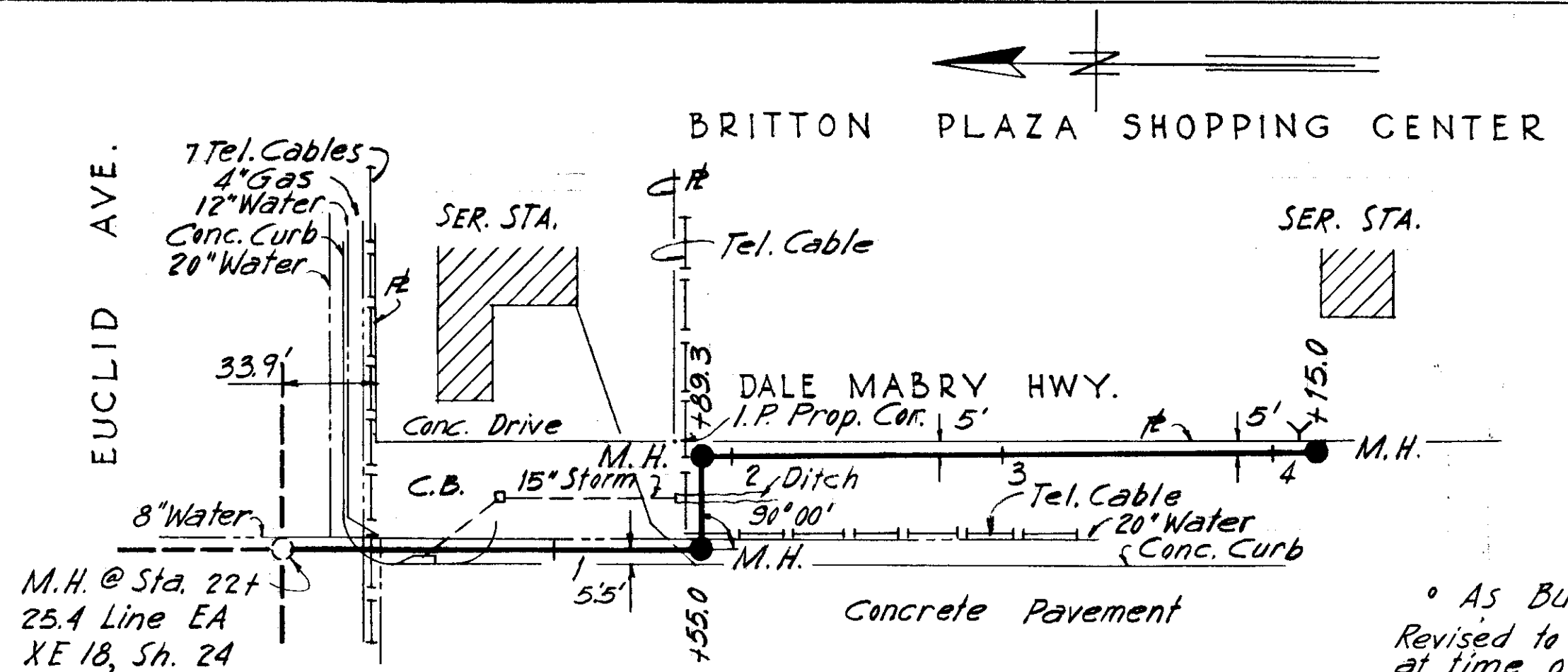
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CTB - MONOCHROME.CTB

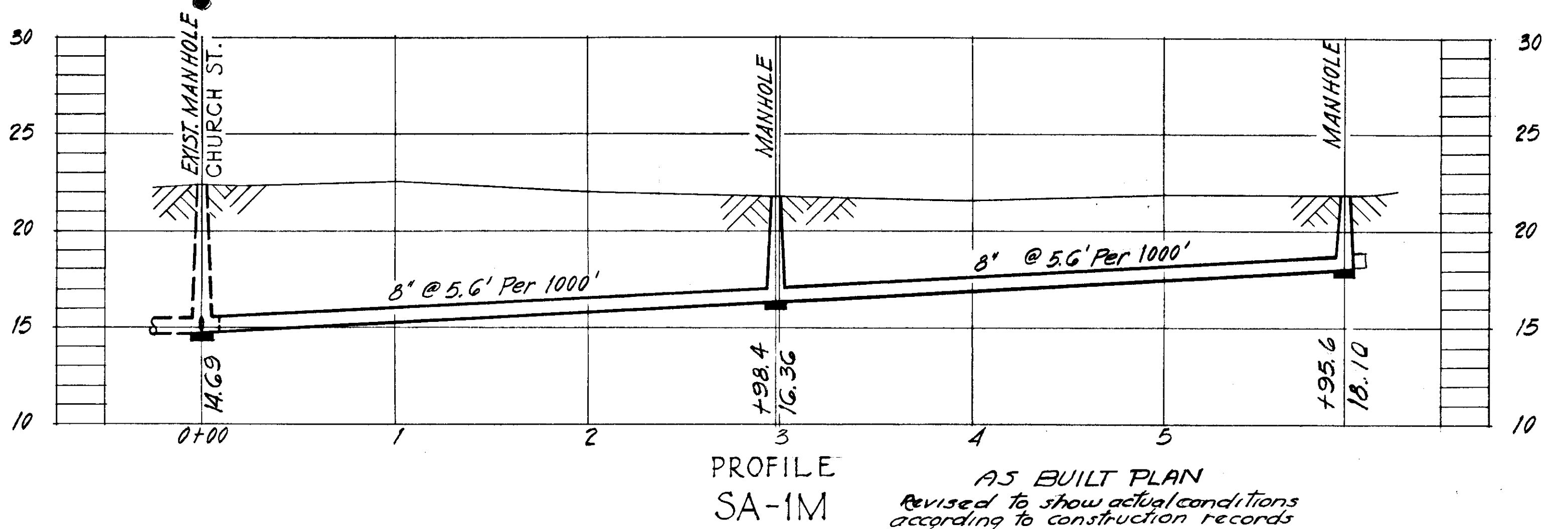
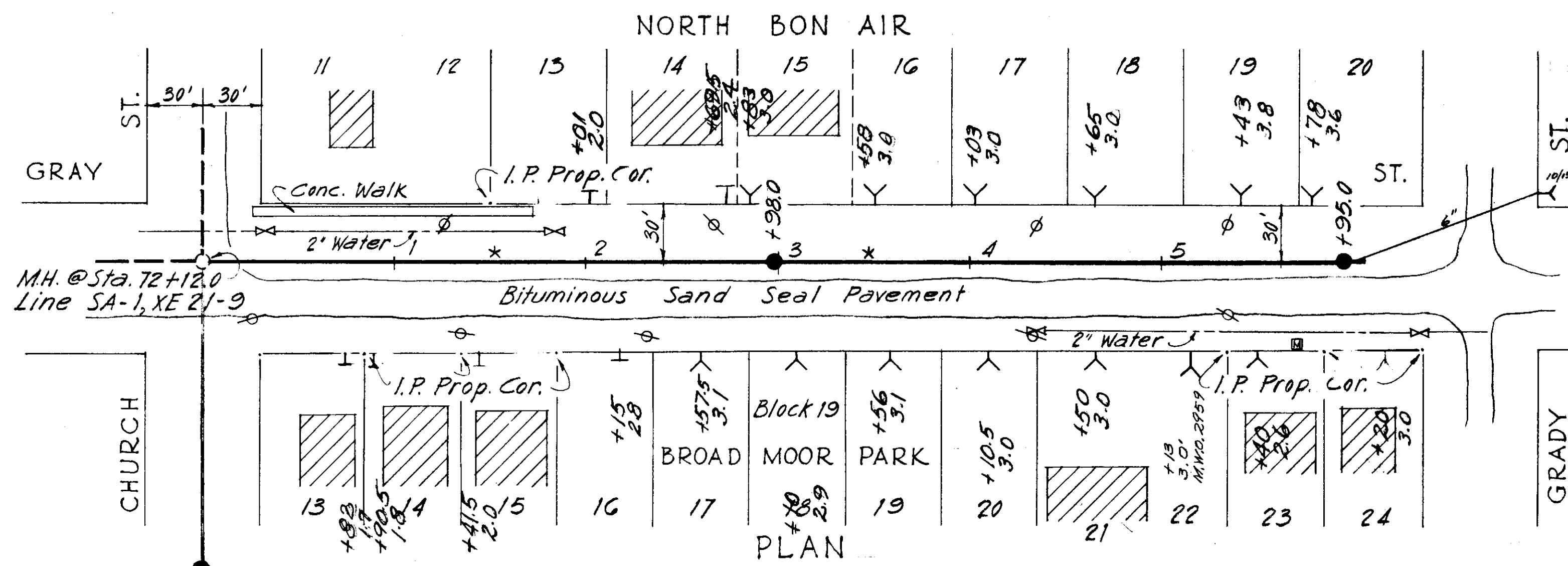
JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.		DES: MS	CITY of TAMPA WASTEWATER DEPARTMENT	WESTSHORE BLVD COLLECTION SYSTEM CIPP LINING MANHOLE DETAIL	W.O.
	3		DRN: MS/JG			SHEET
	2		CKD:			8
	1		DATE: 3/11/20			OF 33



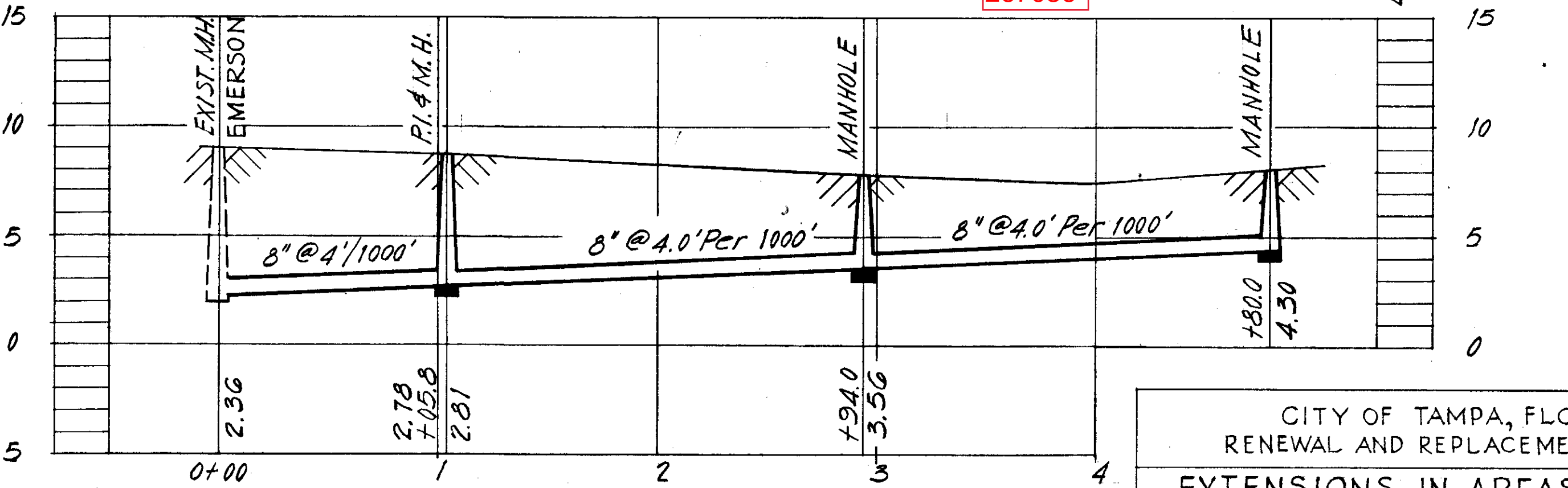
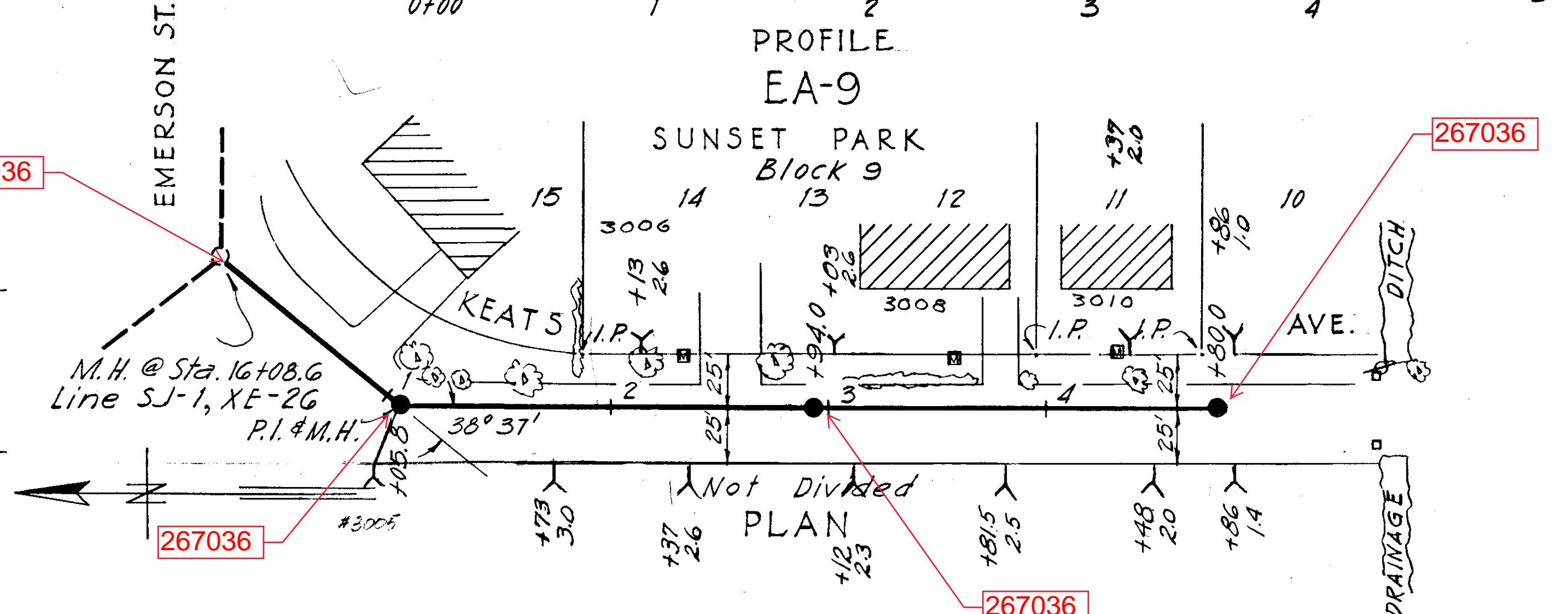
AS BUILT PLAN
 Revised to show actual conditions at time of construction. Work started 7/27/56, completed 7/30/56. (E.C.A. Apr. 1957)



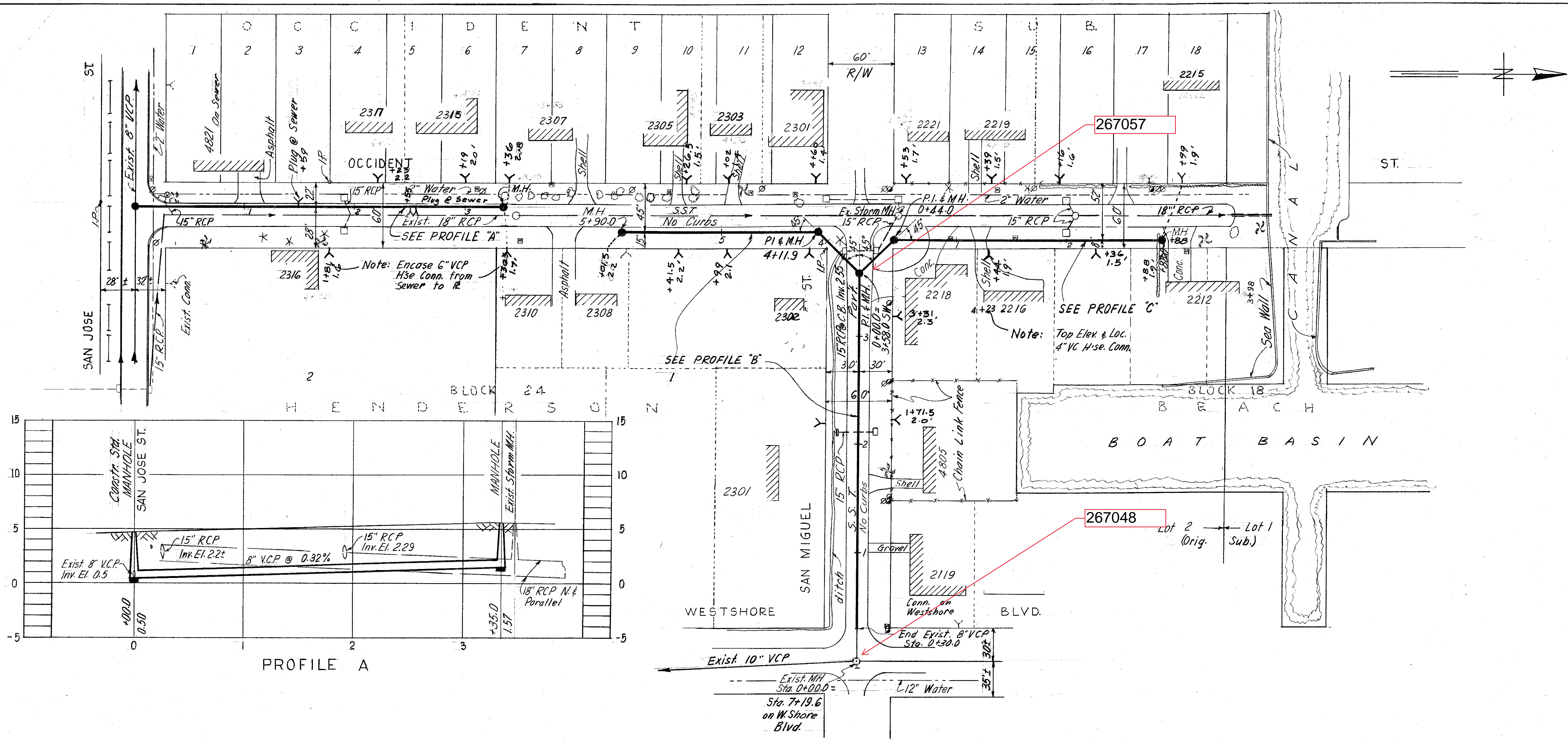
AS BUILT PLAN
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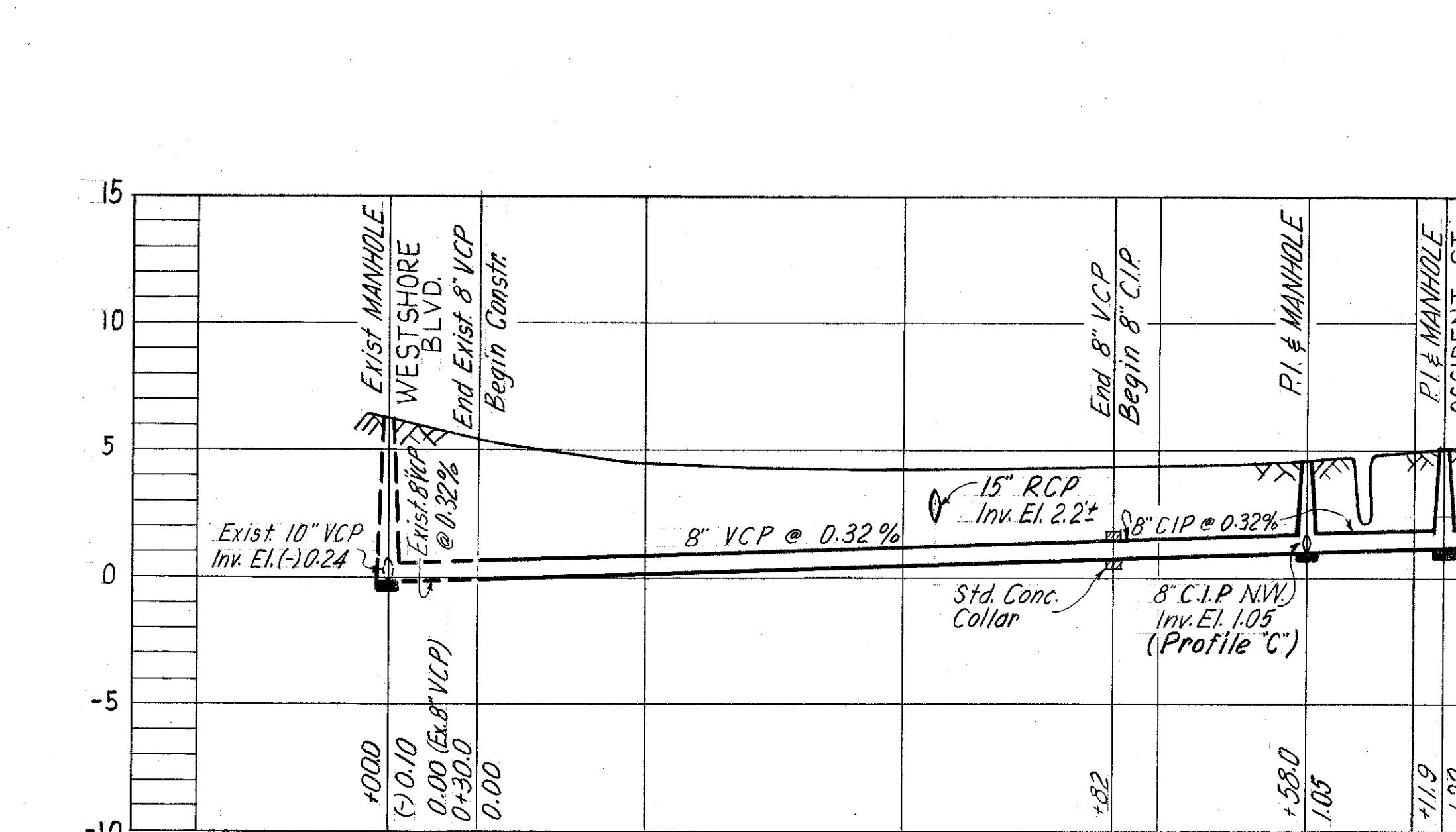
AS BUILT PLAN
 Revised to show actual conditions according to construction records. Work began 5/22/57, work completed 6/13/57



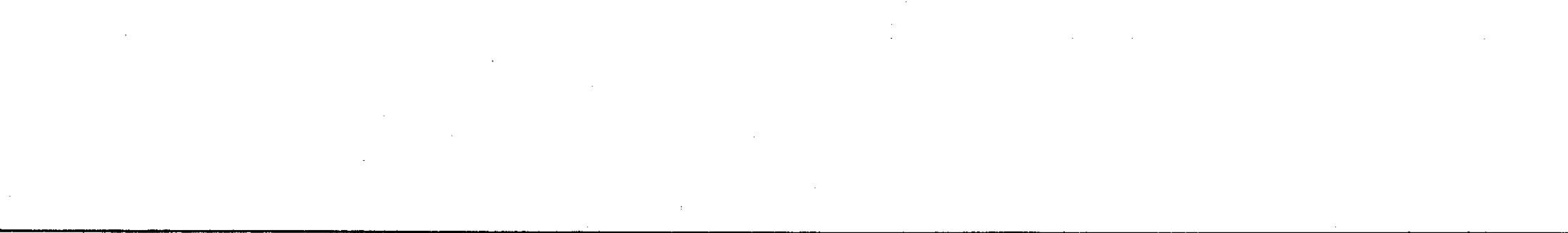
AS BUILT PLAN
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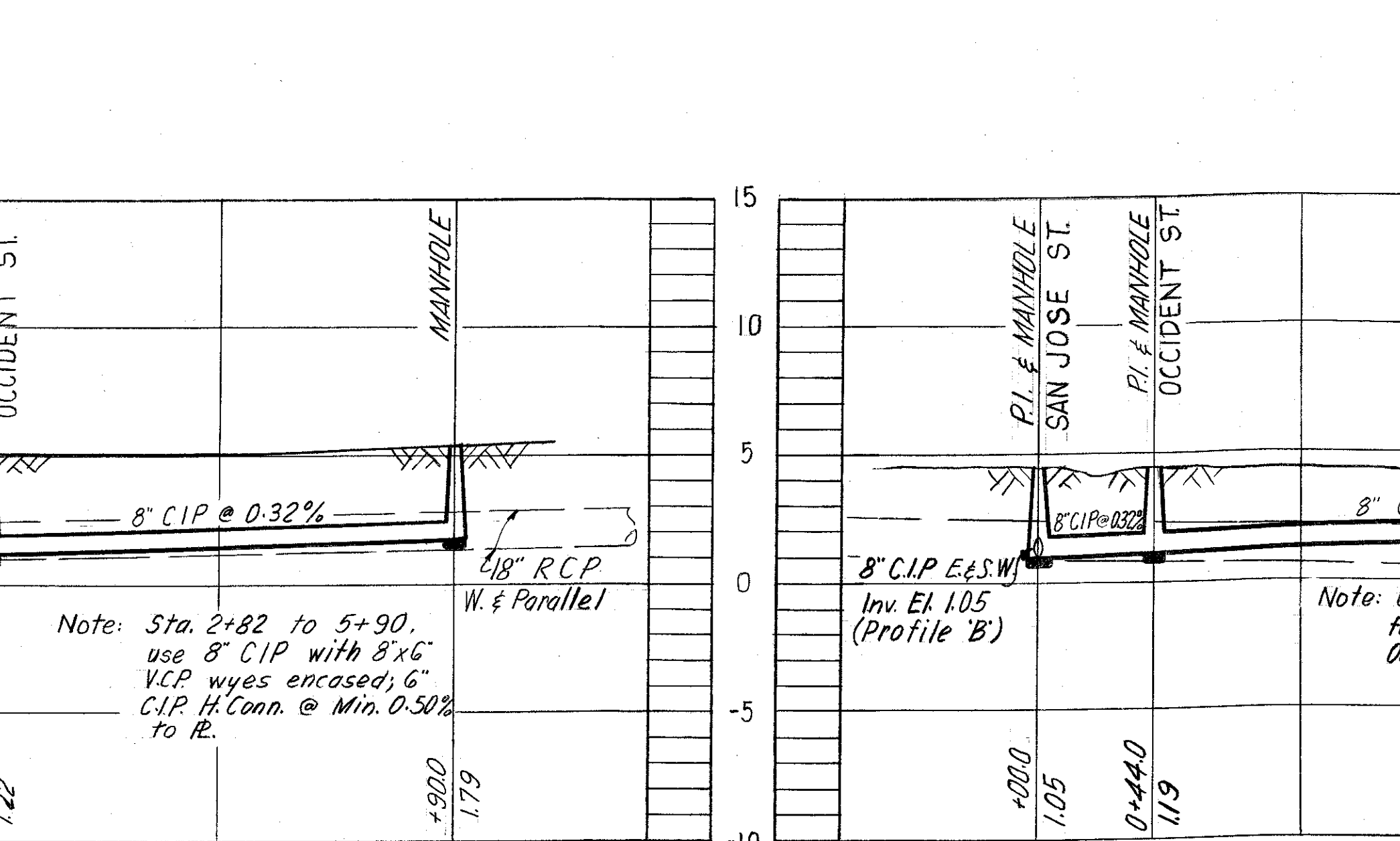
PROFILE A



PROFILE B



PROFILE C



PLAN

B.M. used: F-13 (2nd Prog.) Elev. 7.497
 P.I. of sidewalk @ R @ S.W. corner of Westshore Blvd. & San Jose @ small radius.

R & R 47 W.O. 1602

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS

SAN MIGUEL ST - Westshore Blvd. to Occident St.
 OCCIDENT ST. - San Jose St., N. to Canal

DES: C.M.T.
 DRN: J.M.R.
 CKD: C.M.T.
 DATE:
 DEC. 1963

SCALE:
 1" = 50'

SHEET
 4

004-034

267436

267437

267435

FOR BUREAU OF SANITARY SEWERS
DEPT. OF PUBLIC WORKS

REC'D Arthur S. Cooper, Jr. Date 4-10-64
Executive Engineer

APPROVED *Earl L. Smith* Date 4-13-64
Superintendent

APPROVED *Wayne Jump* Date 4-13-64
Supt. Dept. of Public Works

FOR J. E. GREINER COMPANY

APPROVED *James Jenkins* Date 4-13-64
FOR WIDEMAN AND SINGLETON

APPROVED *O. C. Drummond, Jr.* Date 4-13-64

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

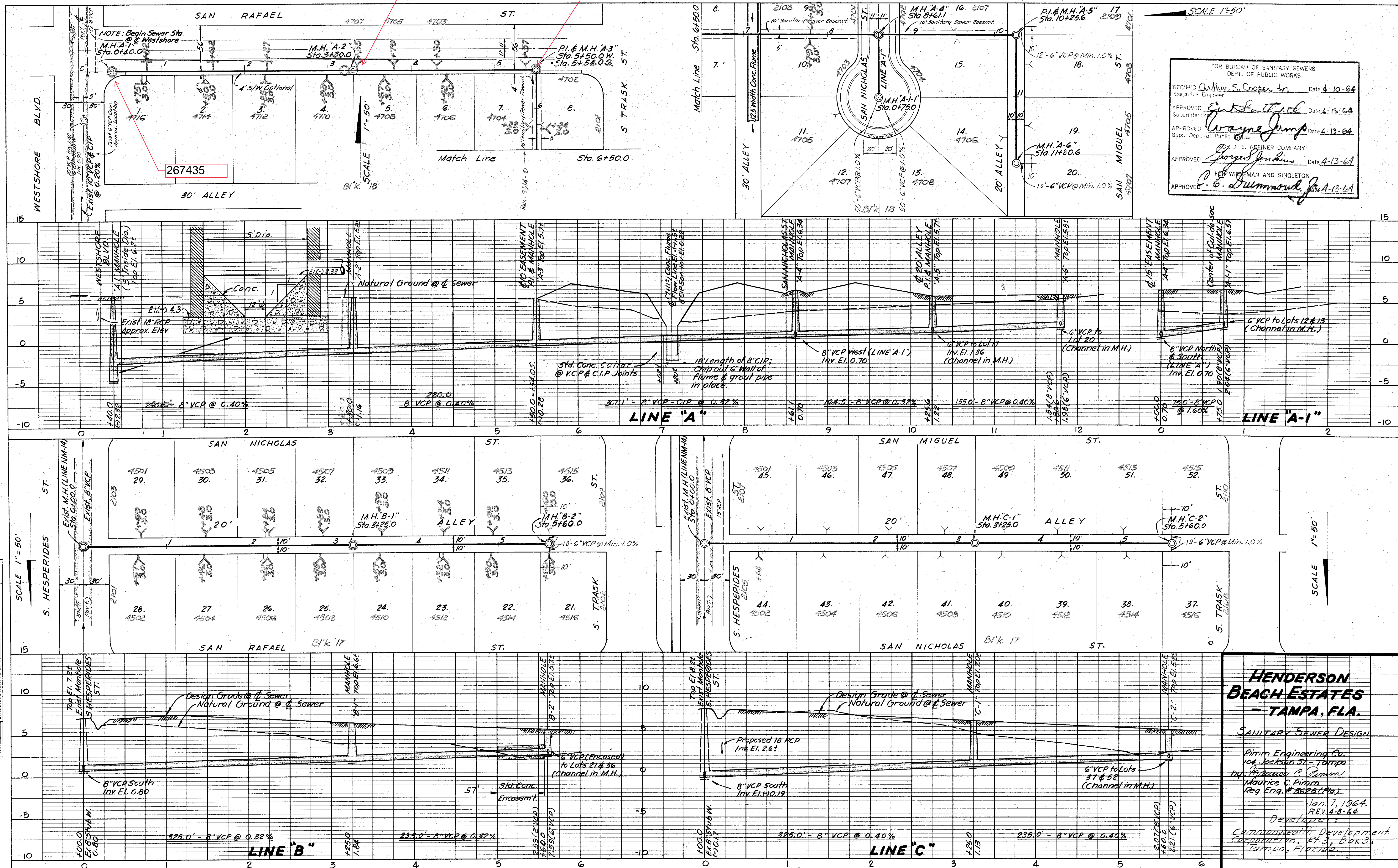


PLATE 2-PLAN-PROFILE O.P.R. & E. STANDARD
100% AGEPROOF VELLUM MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

**HENDERSON
BEACH ESTATES
- TAMPA, FLA.**

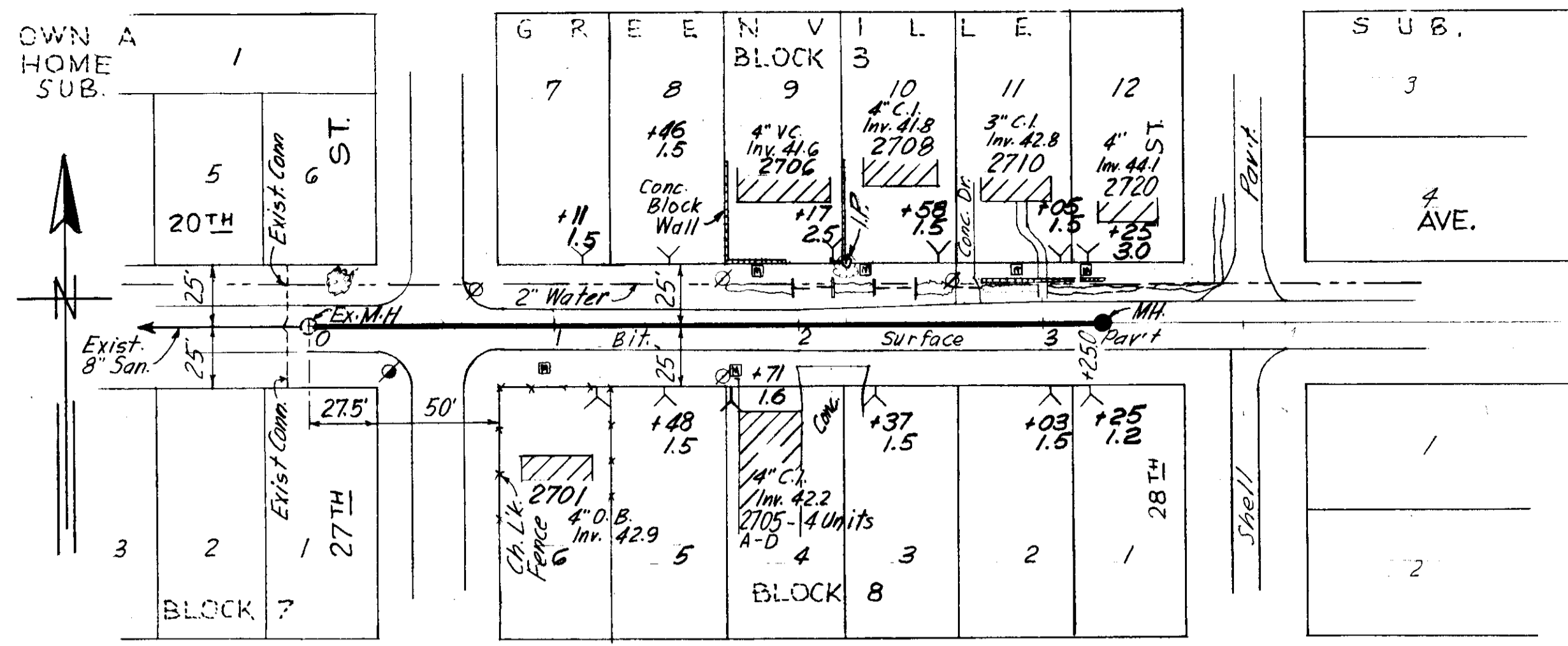
SANITARY SEWER DESIGN

Pimm Engineering Co.
104 Jackson St. - Tampa
by Maurice C. Pimm
Reg. Eng. # 3626 (Fla.)

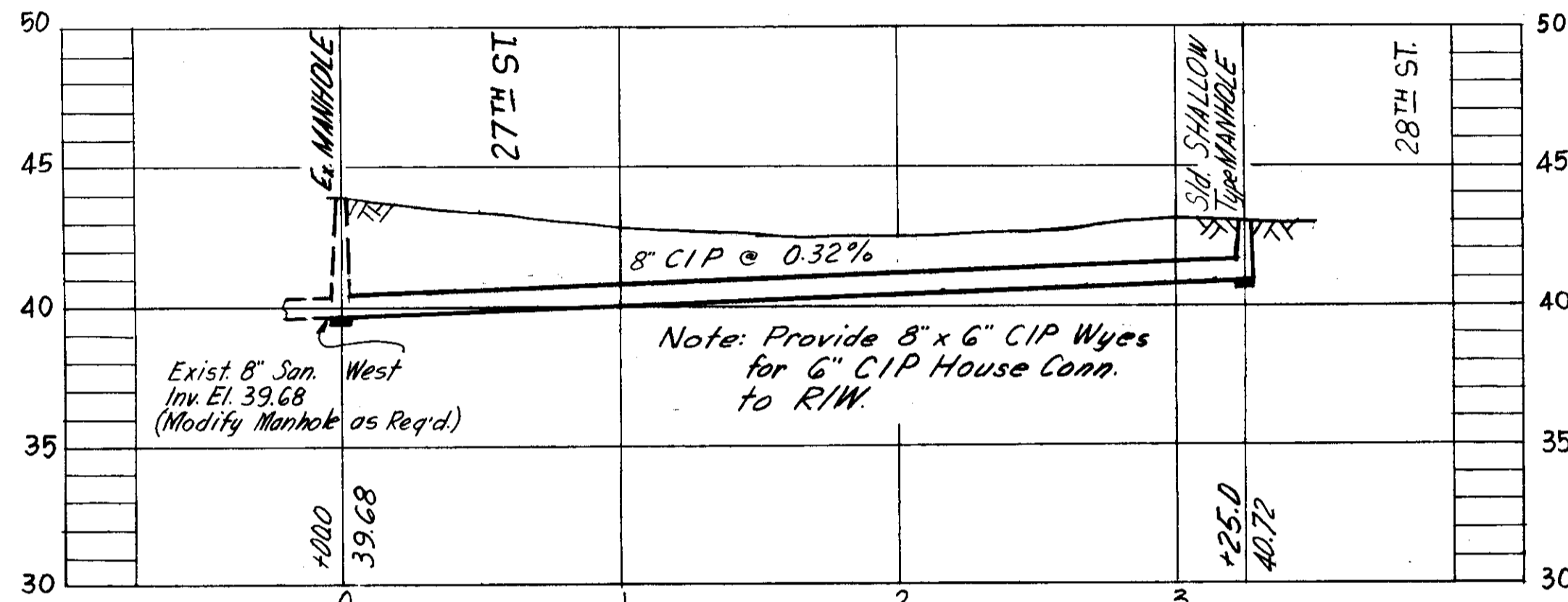
Jan. 7, 1964.
REV. 4-8-64

Developer:
Commonwealth Development
Corporation, P.O. Box 3,
Tampa, Florida.

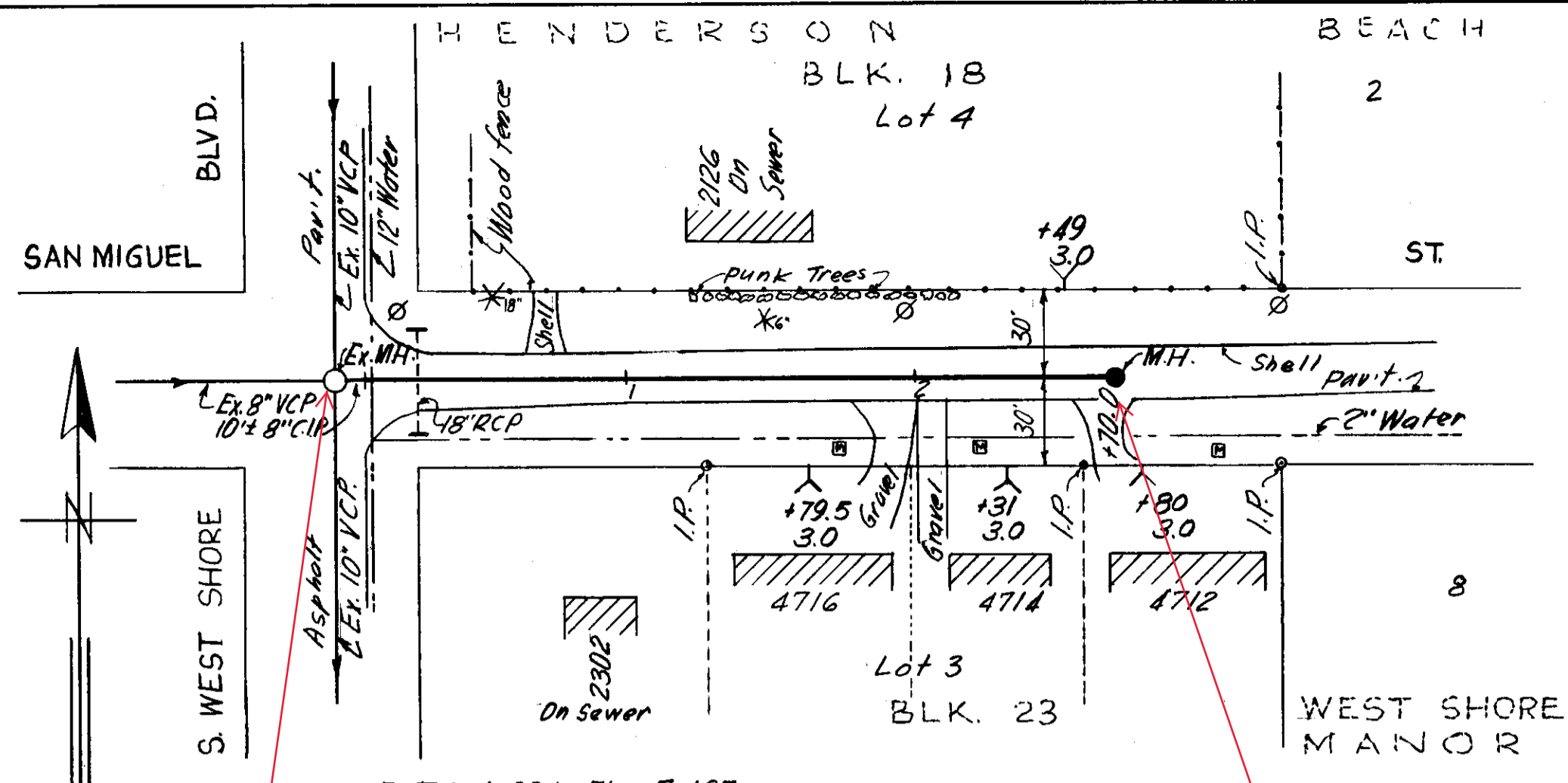
009-011



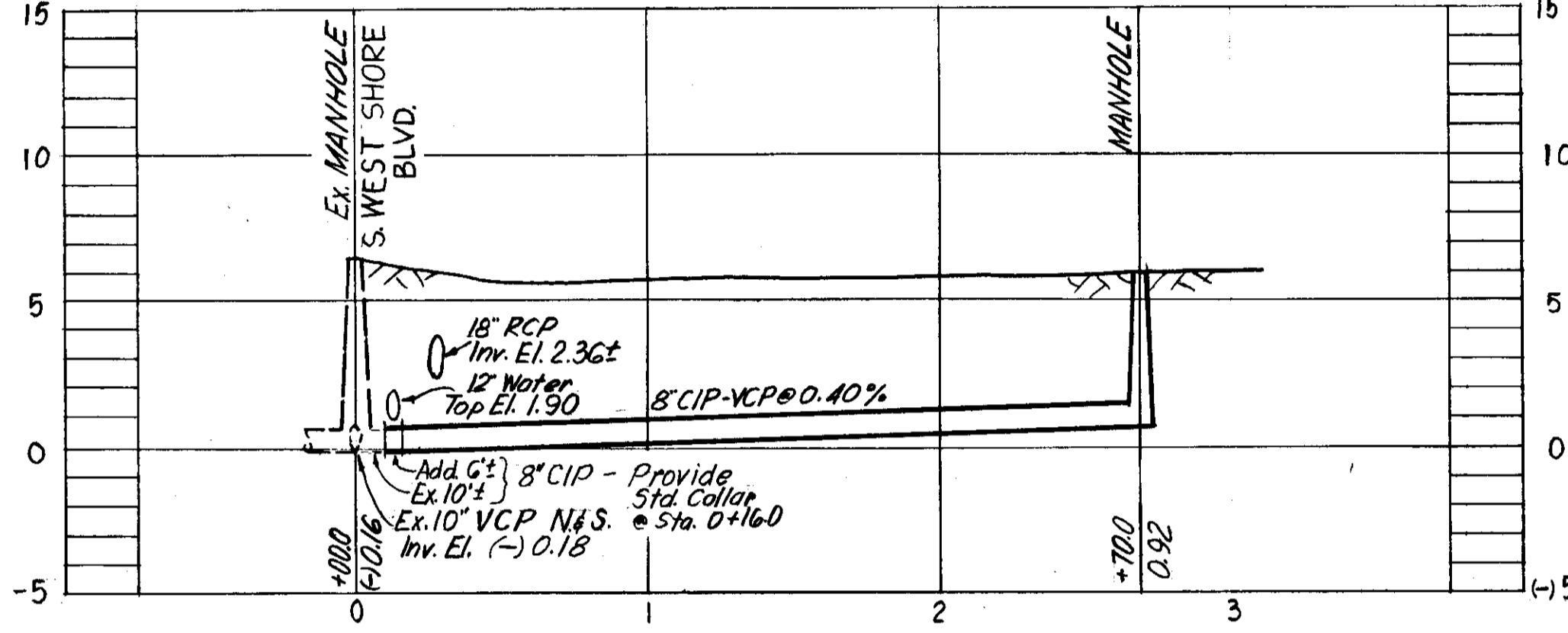
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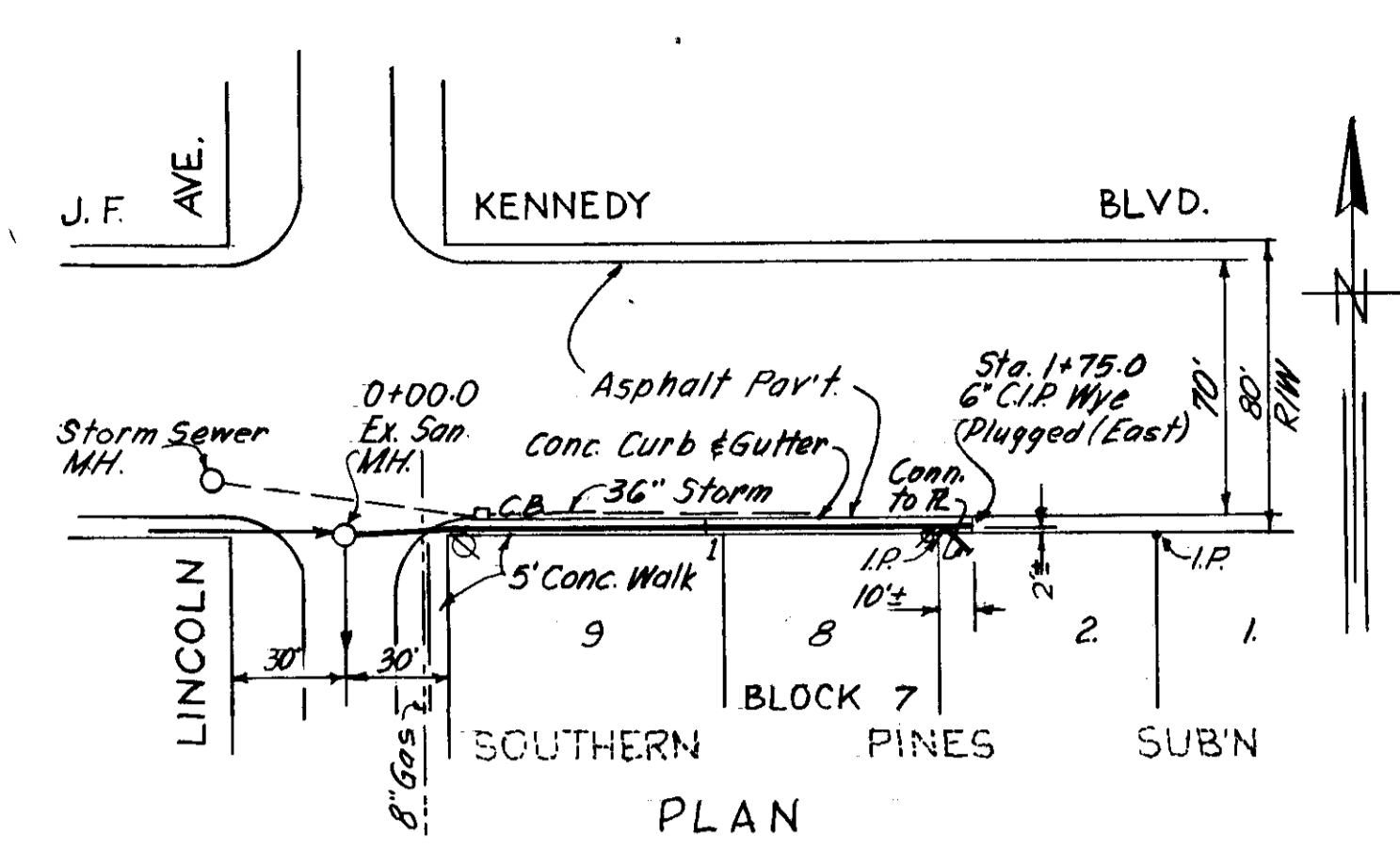
PROFILE (Rev. 10-10-66) W.O. 1703 G-14-16 Drain Subdistrict A-11



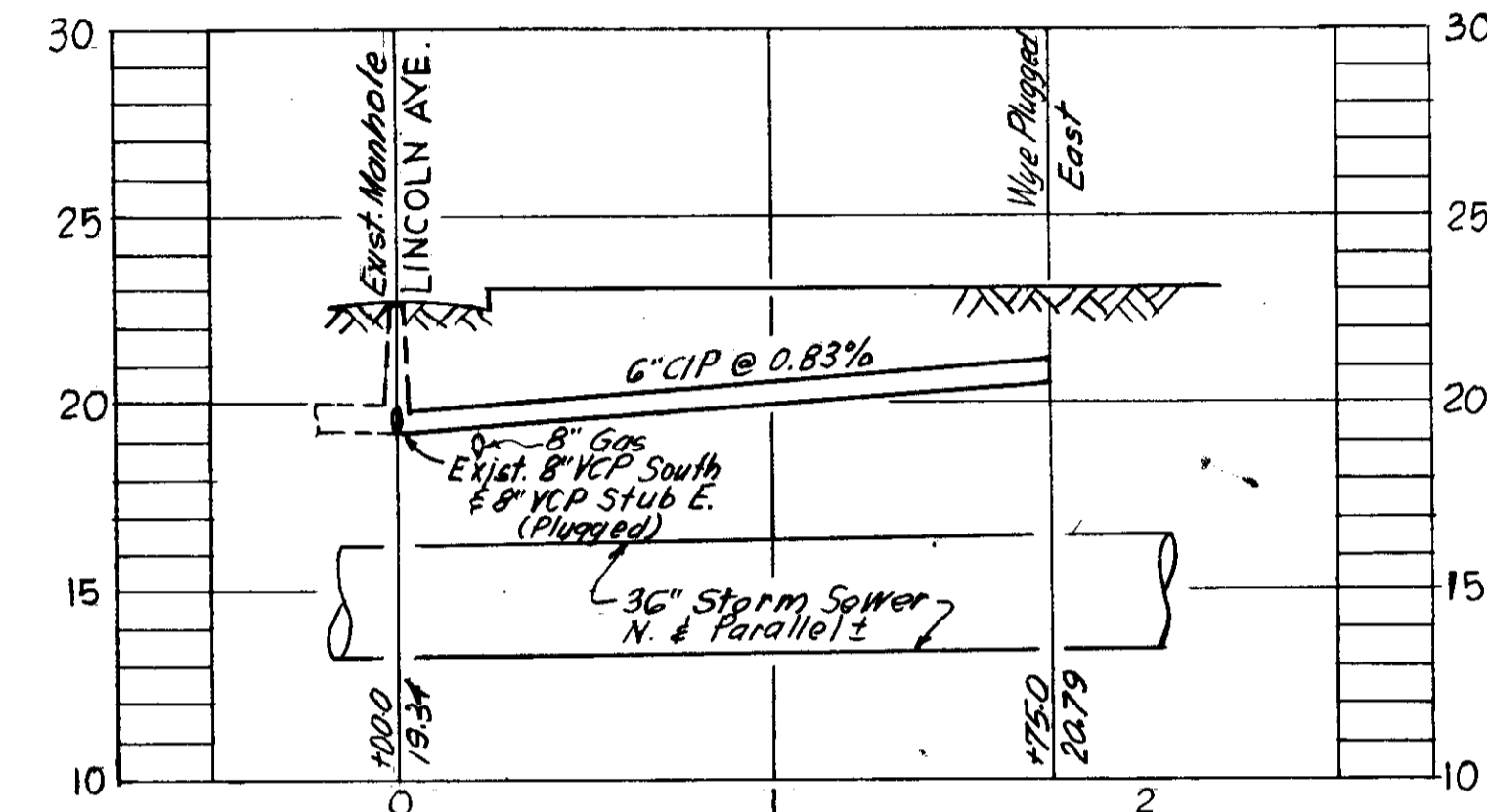
PLAN Datum: A-234, Elev. 7.497 P.I. of S/W @ R. of S/W Corn. of W. Shore Blvd & San Jose, T cut.



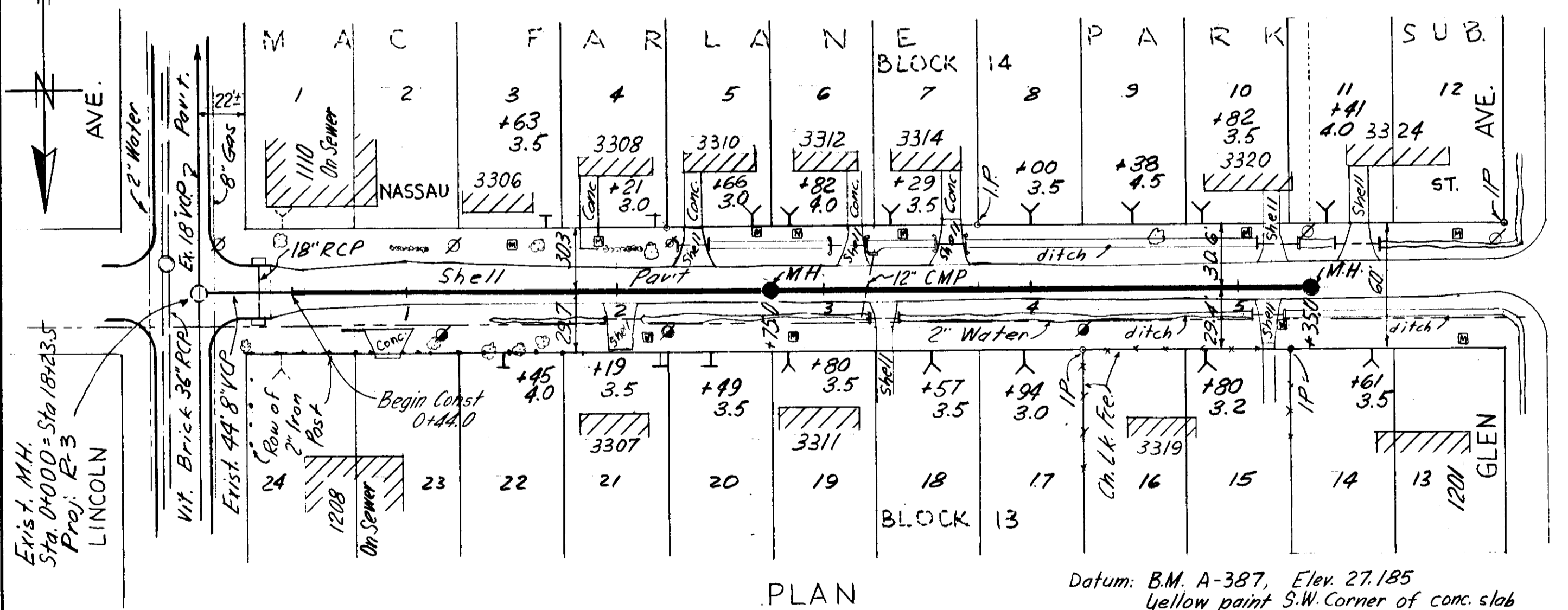
PROFILE W.O. 1713 Drain Subdistrict A-2 J-B-1



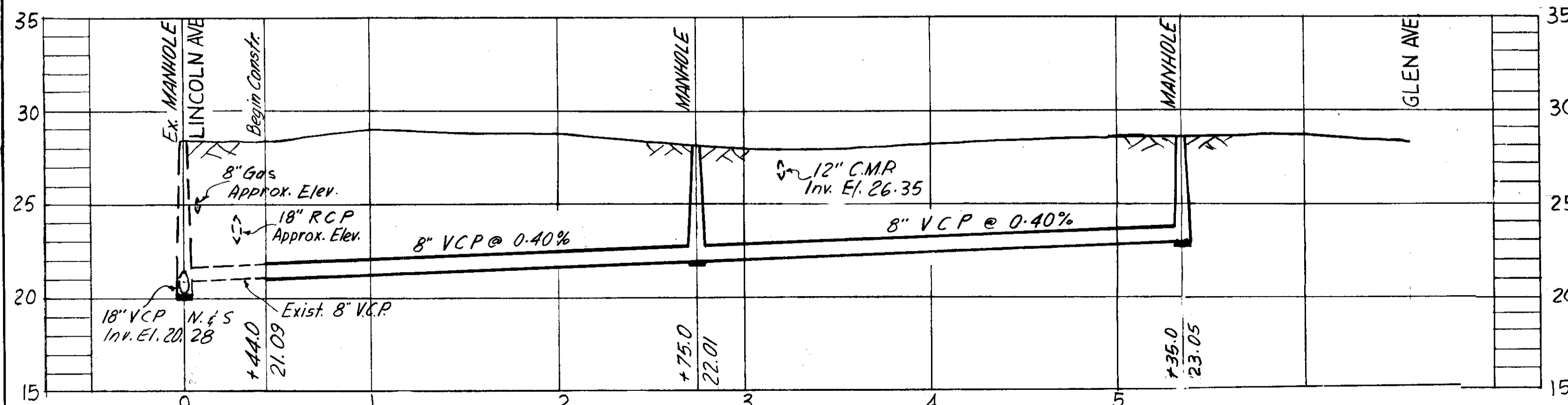
PLAN



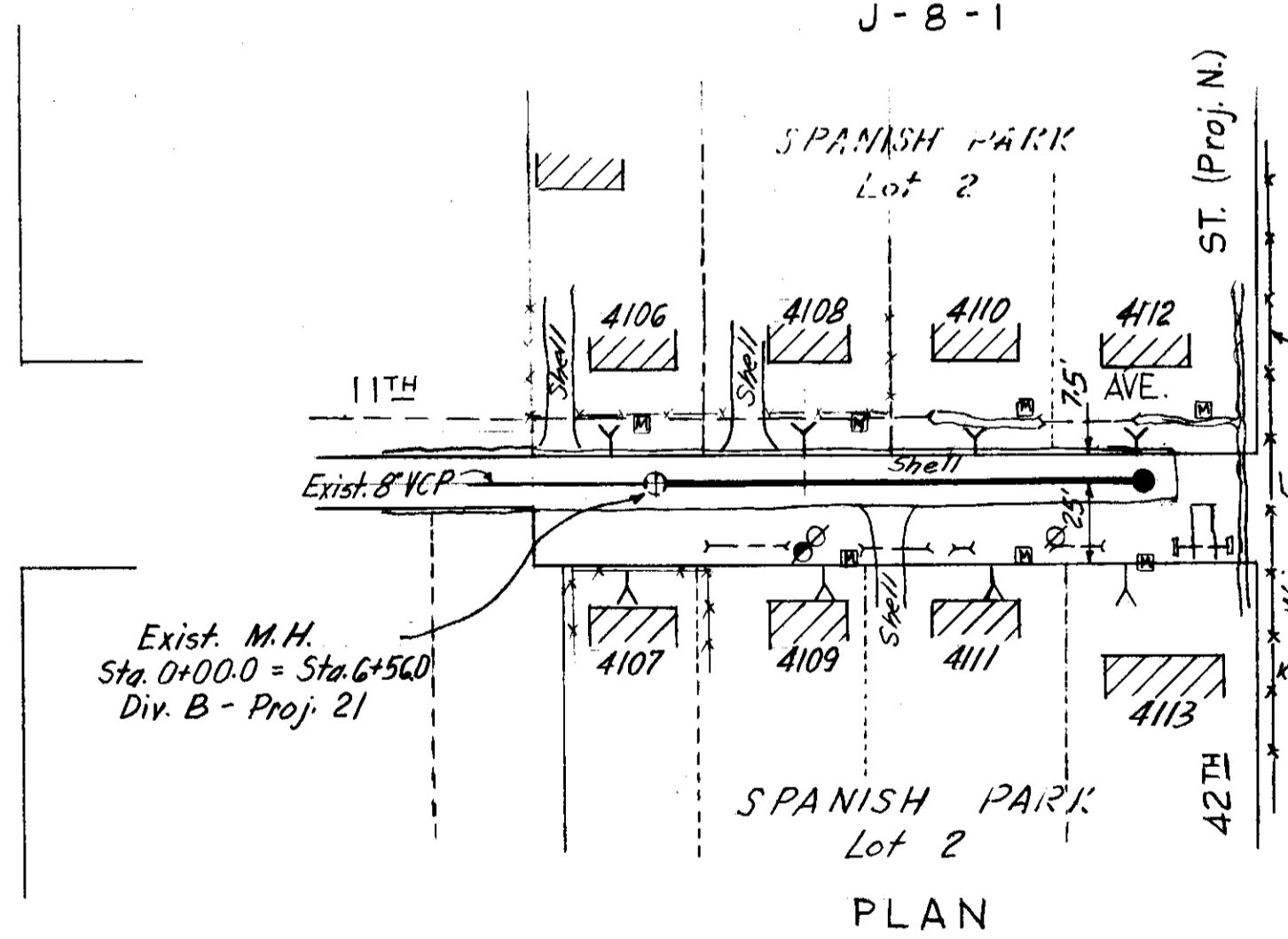
PROFILE W.O. 1725 Drain Subdistrict A-4 I-10-57



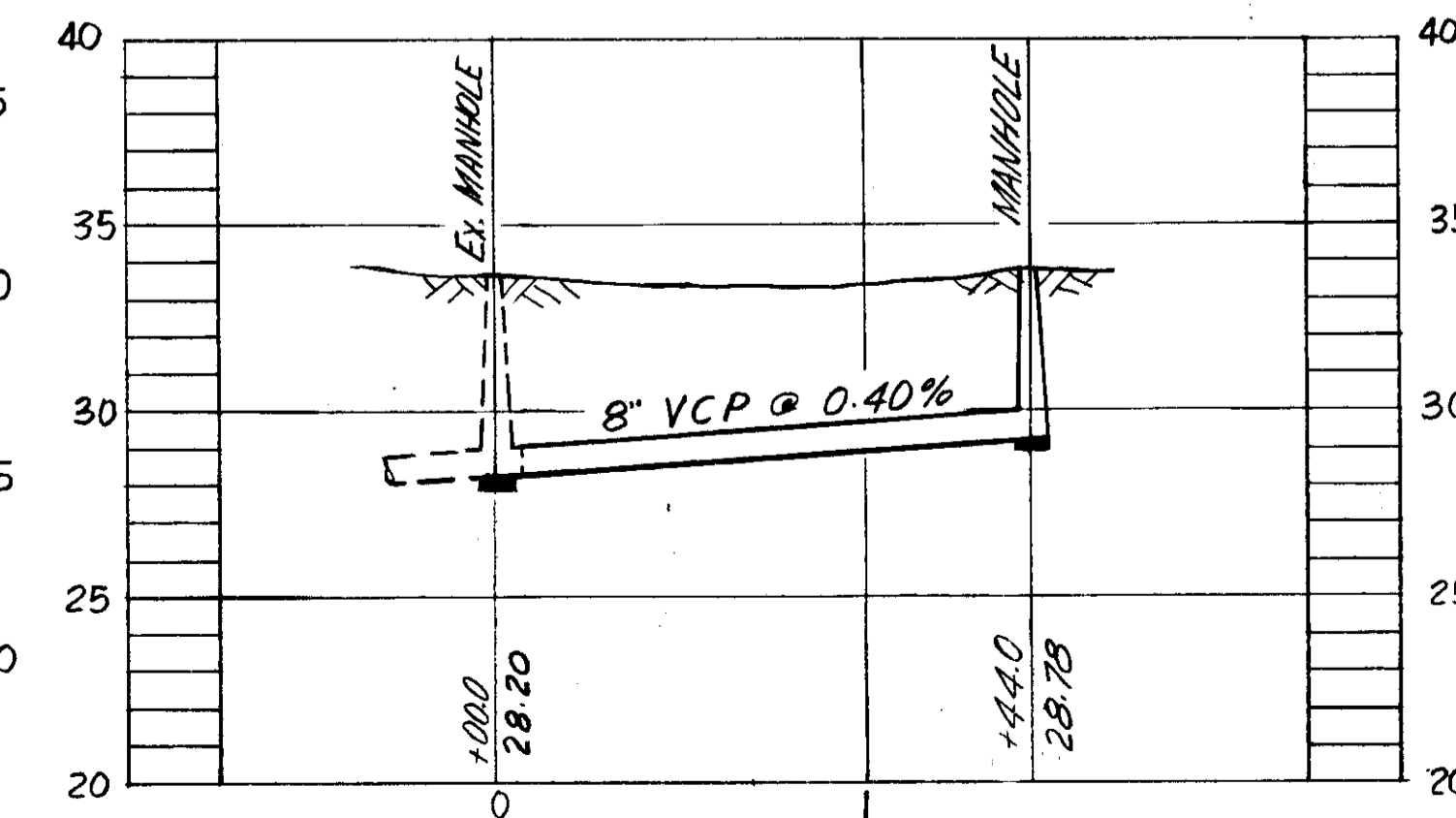
PLAN Datum: B.M. A-387, Elev. 27.185 Yellow paint S.W. Corner of conc. slab in front of La Rosalia Cigar Factory 3303 Cypress on N.E. corn. of Glen & Cypress



PROFILE W.O. 1737 H-10-42 Drain Subdistrict A-5



PLAN



PROFILE W.O. 1726 H-15-12 Drain Subdistrict A-10

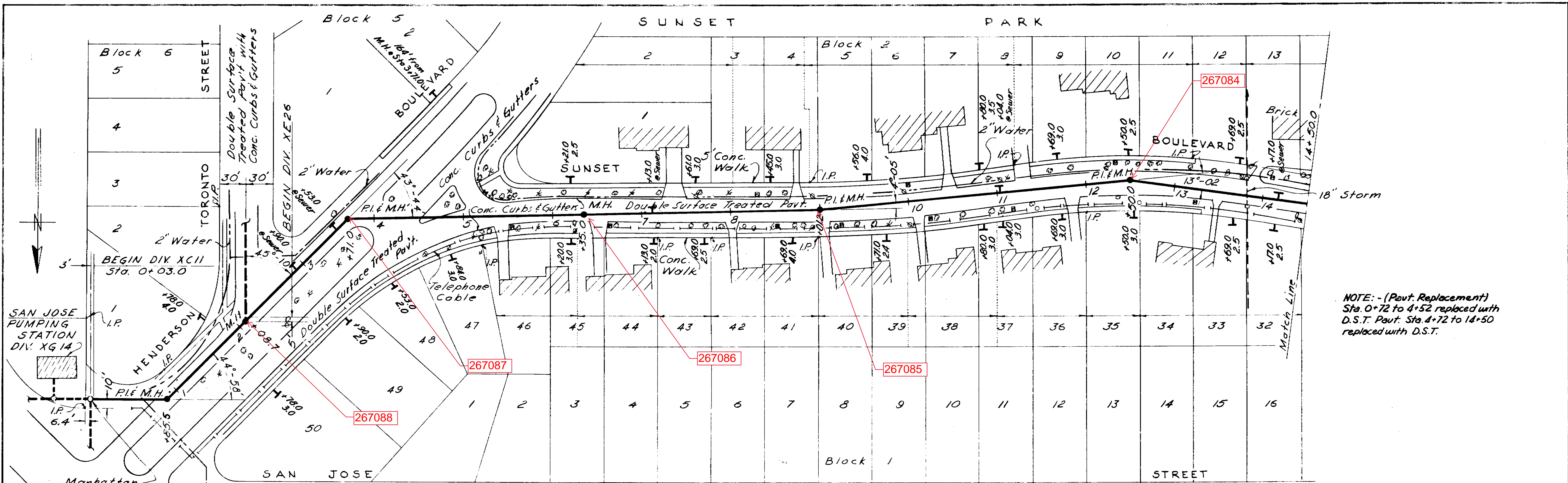
SEWER LINE LOCATION

SEC. MAP No.	LINE No.
G - 14	16
J - 8	17
I - 10	57
H - 10	42
H - 15	12

R & R 52 CITY OF TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENTS

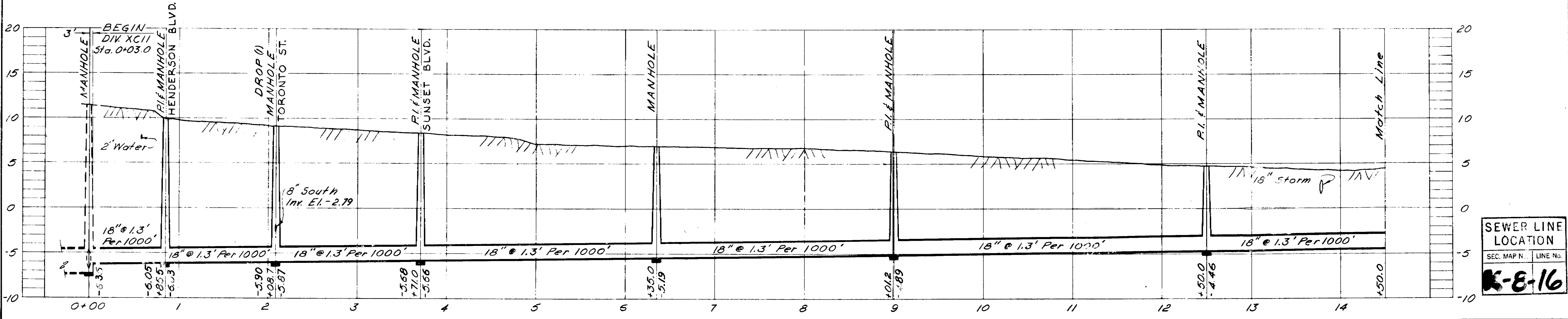
20th AVE.: 27th St. to 28th St.
 SAN MIGUEL ST.: S. West Shore Blvd. to E. 270'
 J.F. KENNEDY BLVD.: Lincoln Ave., E. 175'
 NASSAU ST.: Lincoln Ave. to Glen Ave.
 11th AVE.: W. of 42nd St., 144' to E.

DES: ET AL	SCALE: 50' = 1"	SHEET
DRN: J.M.R.		2
CKD: C.M.T.		
DATE: JULY 1965	Drainage Subdistrict	
	A-2, A-4, A-5, A-10, A-11	



NOTE: - (Pavt. Replacement)
 Sta. 0+72 to 4+52 replaced with
 D.S.T. Pavt. Sta. 4+72 to 14+50
 replaced with D.S.T.

PLAN



PROFILE

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

- Notes:
- All houses shown on this sheet are of concrete block construction.
 - Property lines as indicated by Hillsborough County tax records

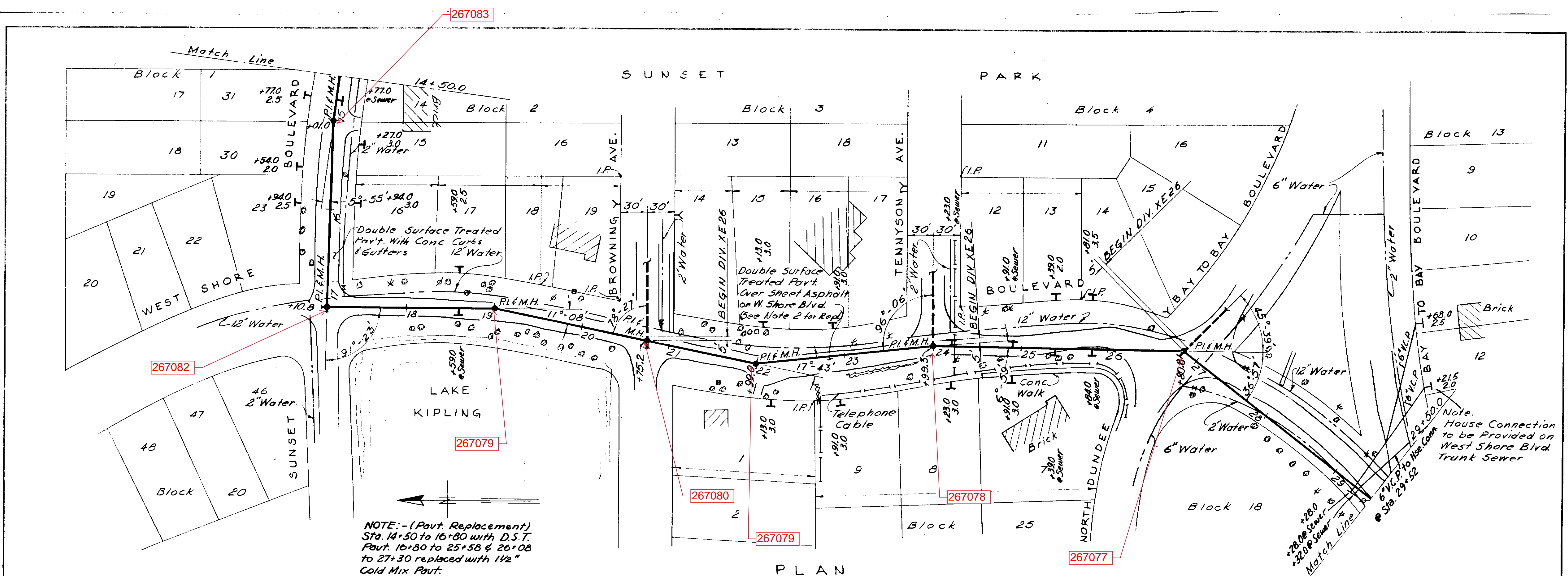
CITY OF TAMPA, FLORIDA
 SEWAGE DISPOSAL SYSTEM
 DIVISION XCII

WEST SHORE BOULEVARD TRUNK SEWER
 STA. 0+03.0 TO STA. 14+50

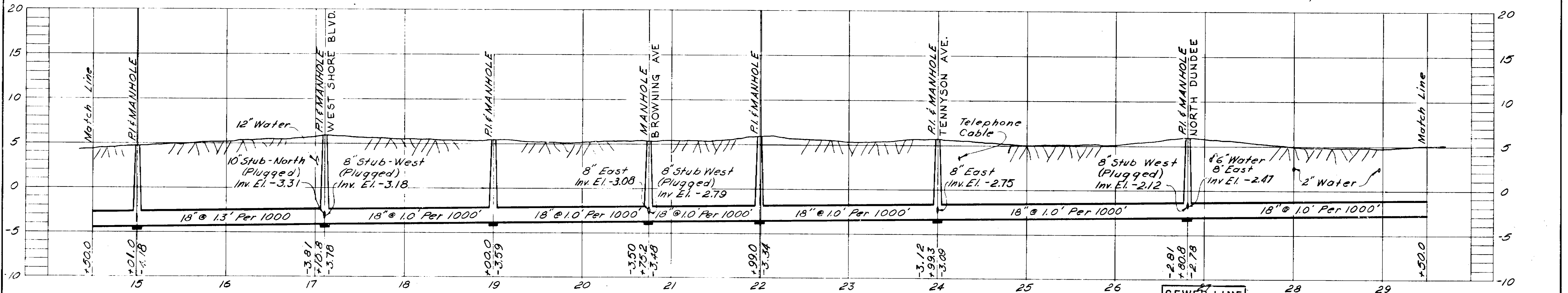
DES. F.F.E. DR. W.M.M. CKD. R.E.F. DATE: DEC. 1955	SCALE 0 50 100 1" = 50'	SHEET XCII-3 OF 7
--	-------------------------------	--------------------------------

GREELY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

055-024



NOTE: - (Pavt. Replacement)
 Sta. 14+50 to 16+80 with D.S.T.
 Pavt. 16+80 to 25+58 & 26+08
 to 27+30 replaced with 1 1/2" Cold Mix Pavt.



PROFILE

AS BUILT PLAN
 Revised to show actual conditions according to construction records as of February 1957. (U.S.H. 2-19-57.)

- Notes:
1. All houses shown on this sheet are of concrete block construction unless otherwise noted.
 2. All pavement on West Shore Blvd. to be replaced with asphaltic cold mix.
 3. Property lines as indicated by Hillsborough County tax records

SEWER LINE LOCATION
 SEC. MAP No. LINE No.
K-8-17

CITY OF TAMPA, FLORIDA
 SEWAGE DISPOSAL SYSTEM
 DIVISION XCII

WEST SHORE BOULEVARD TRUNK SEWER
 STA. 14+50 TO STA. 29+50

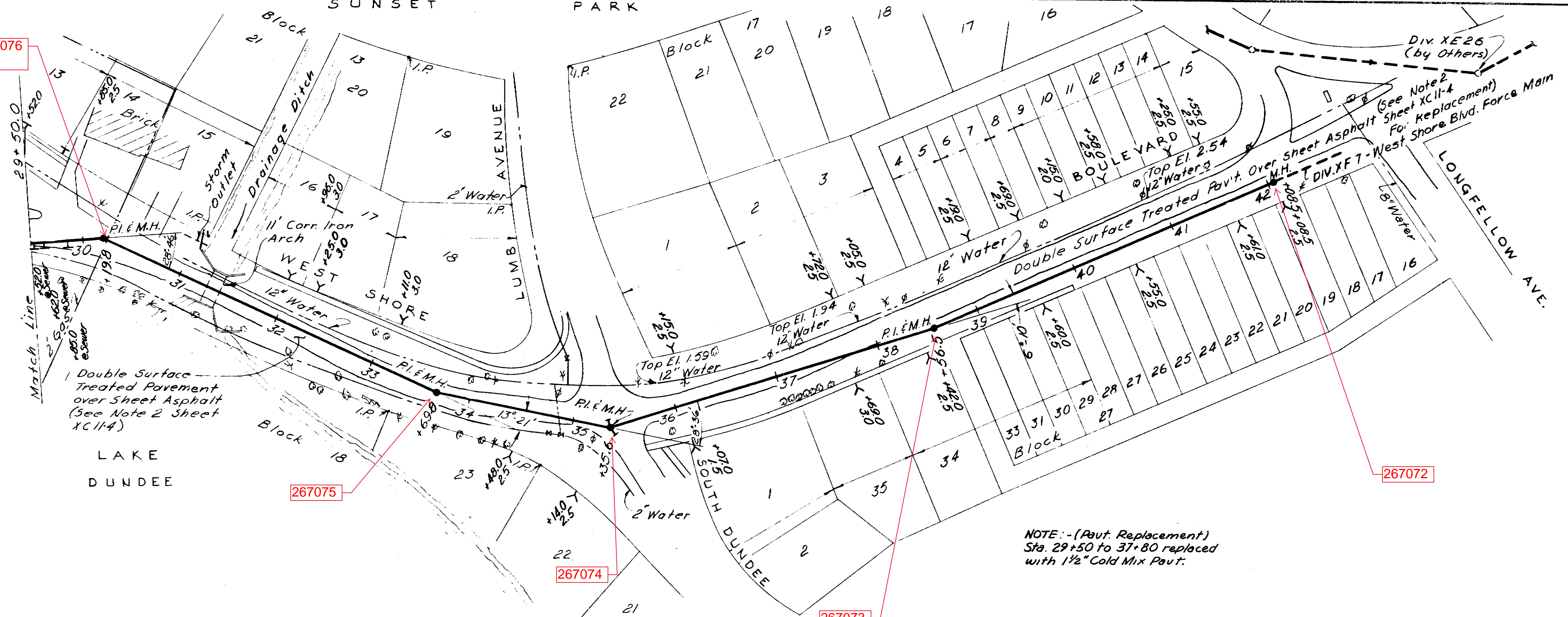
DES. F.F.E. DR. W.M.M. CKD. R.E.F. DATE: DEC. 1955	SCALE 0 50 100 1" = 50'	SHEET XCII-4
--	-------------------------------	------------------------

055-025

SUNSET PARK

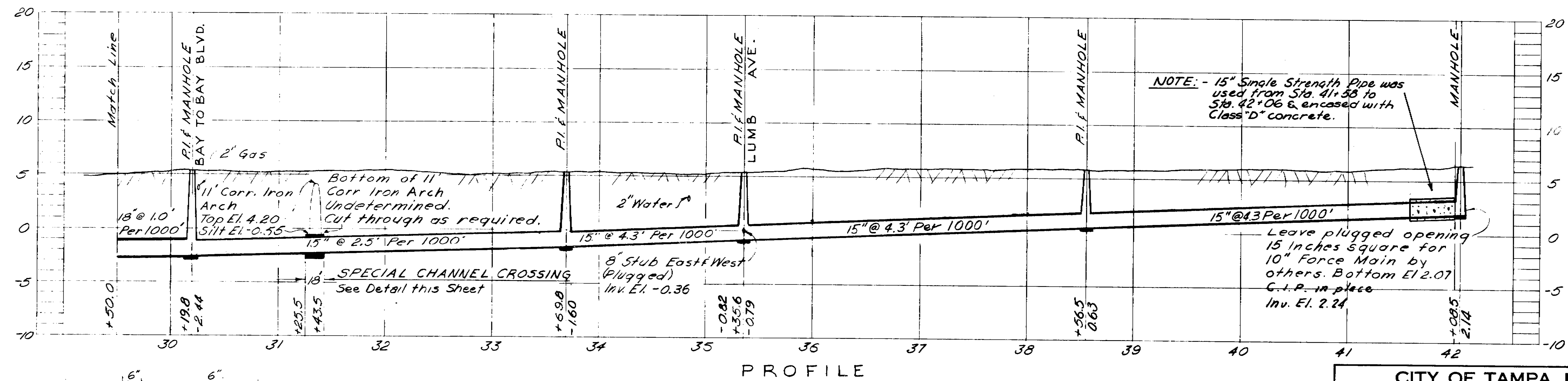
267076

Div. XE25
(by Others)
(See Note 2
Sheet XC11-4
For Replacement
West Shore Blvd. Force Main



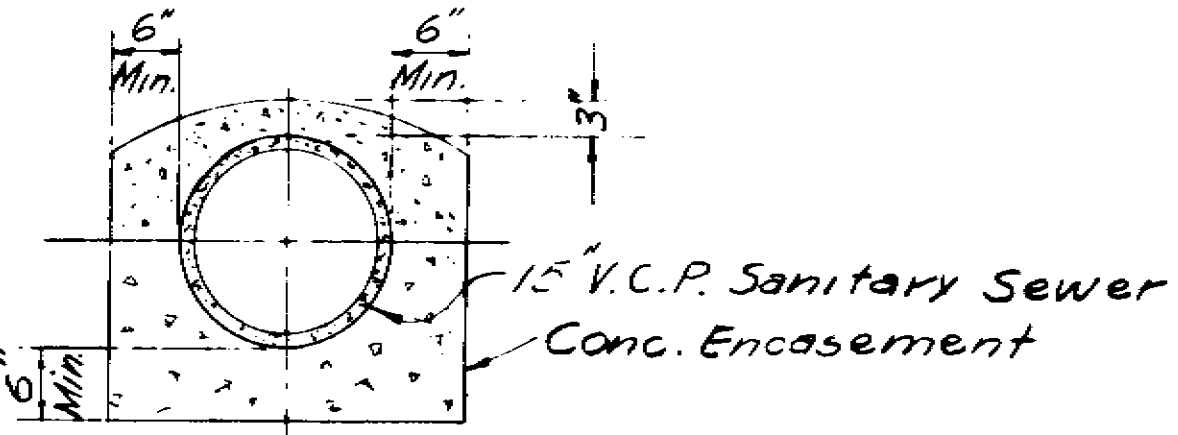
PLAN

NOTE: - (Pavt. Replacement)
Sta. 29+50 to 37+80 replaced
with 1 1/2" Cold Mix Pavt.



PROFILE

NOTE: - 15" Single Strength Pipe was
used from Sta. 41+58 to
Sta. 42+06 & encased with
Class "D" concrete.



DETAIL OF
SPECIAL CHANNEL CROSSING
Scale: 3/4" = 1'-0"

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

Note
1. Property lines as indicated by
Hillsborough County tax records

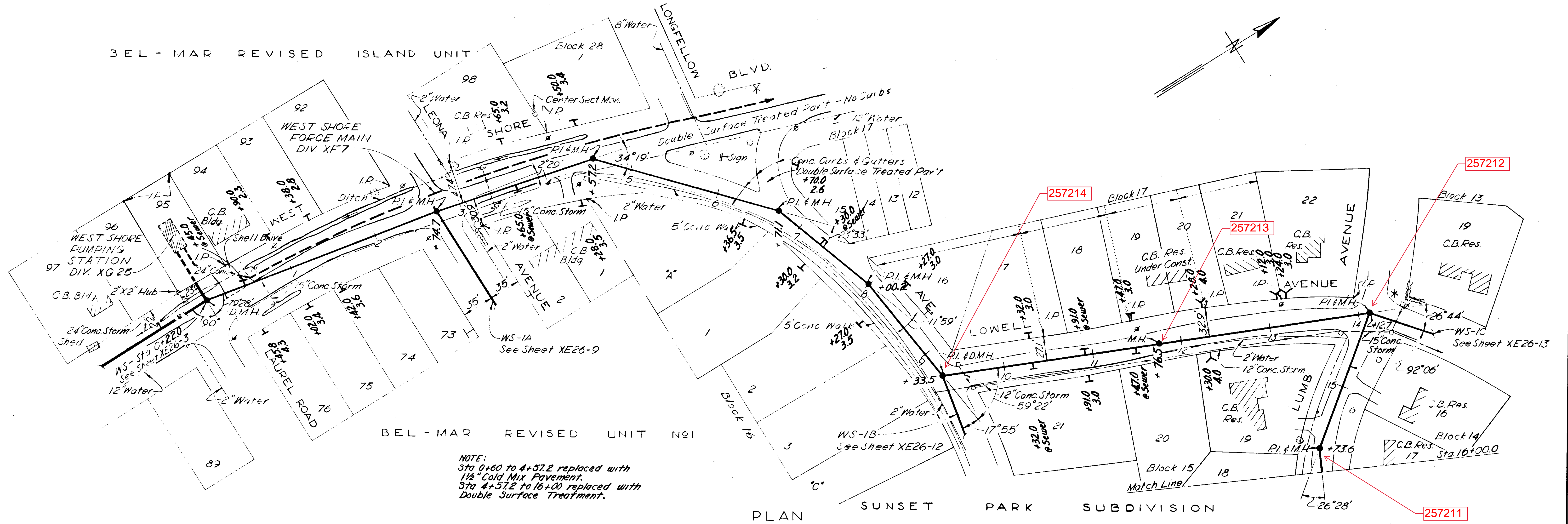
AS BUILT PLAN
Revised to show actual conditions
according to construction records
as of February-1957
(U.S.H. 2-25-57.)

CITY OF TAMPA, FLORIDA		
SEWAGE DISPOSAL SYSTEM		
DIVISION XCII		
WEST SHORE BOULEVARD TRUNK SEWER		
STA. 29+50 TO STA. 42+08.5		
DES. F.F.E. DR. W.M.M. CKD. R.E.F. DATE: DEC. 1955	SCALE 50 0 50 100 1" = 50'	SHEET XCII-5

055-026

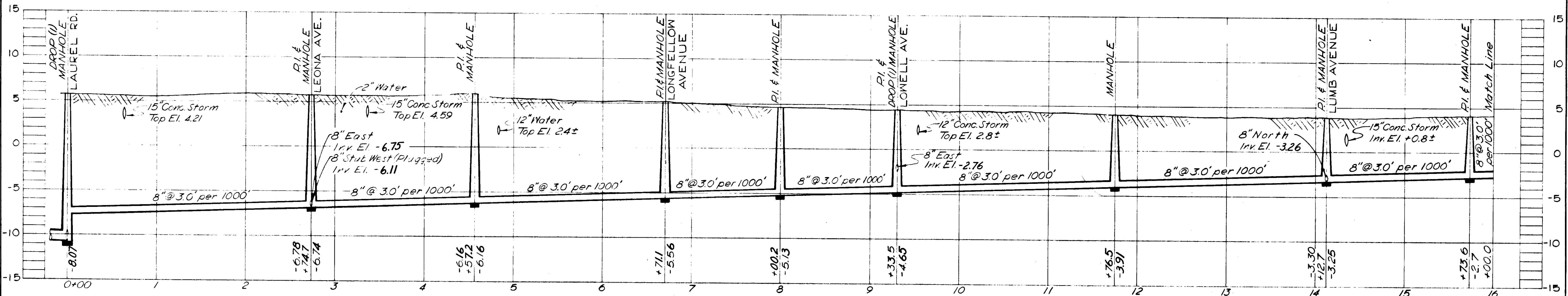
SUNSET PARK SUBDIVISION

BEL-MAR REVISED ISLAND UNIT



NOTE:
Sta 0+60 to 4+57.2 replaced with
1/4\" Cold Mix Pavement.
Sta 4+57.2 to 16+00 replaced with
Double Surface Treatment.

PLAN SUNSET PARK SUBDIVISION



PROFILE WS-1

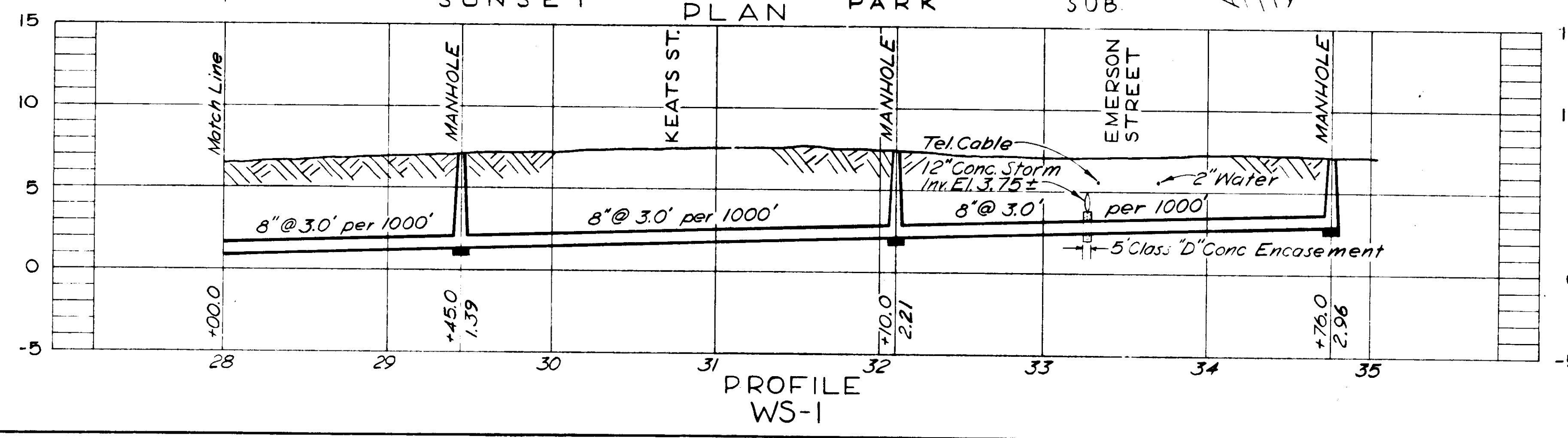
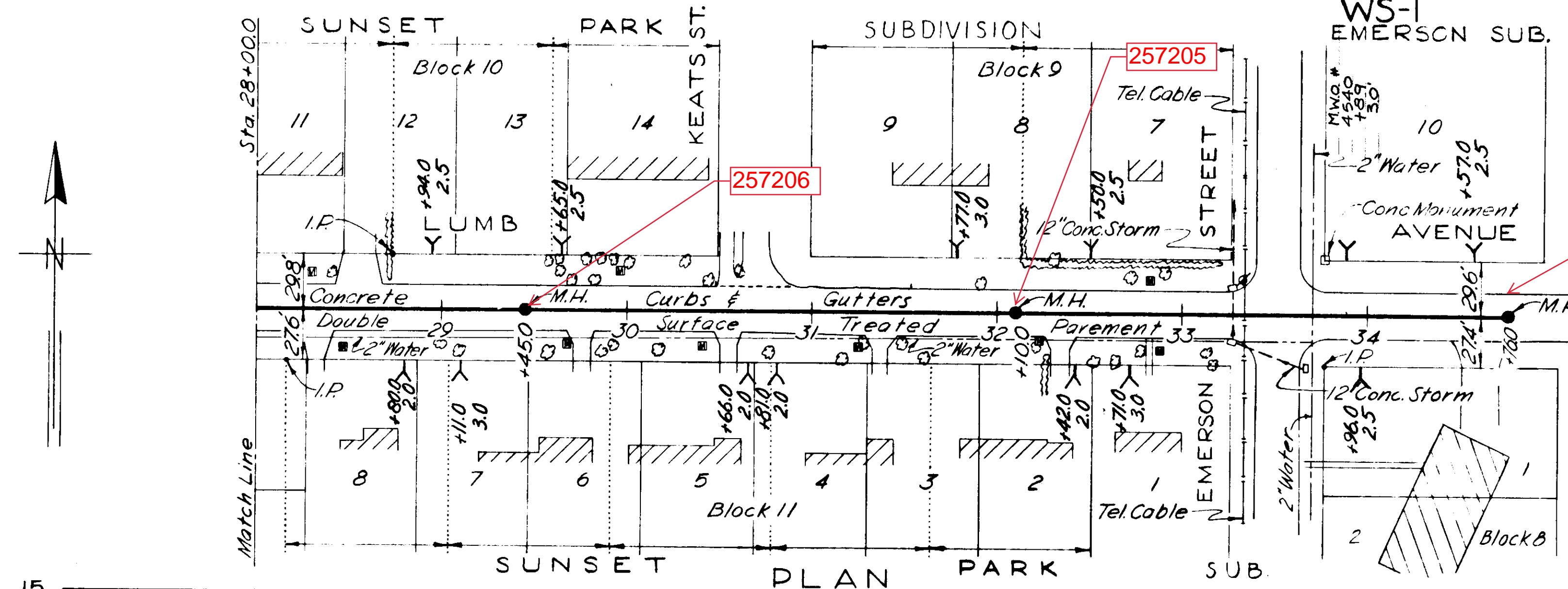
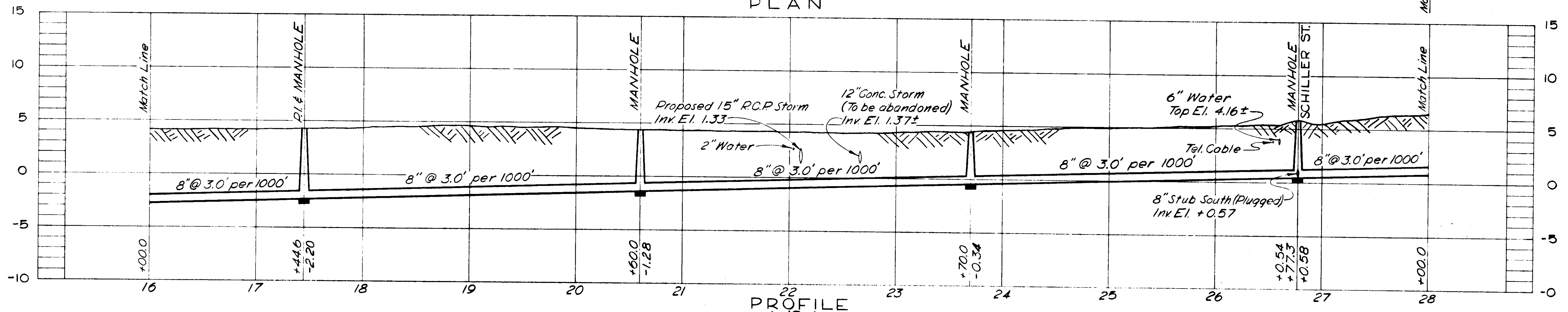
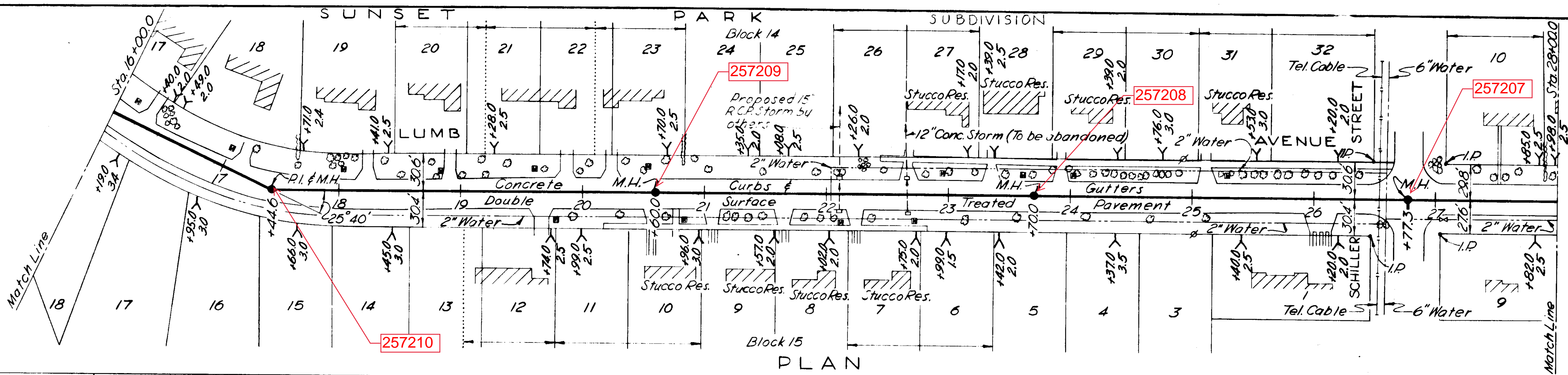
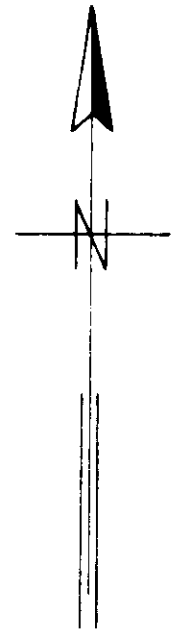
- NOTES:
- Property Lines as indicated by Hillsborough County Tax Records.
 - Replace Paving on West Shore Boulevard with Asphaltic Cold Mix.

AS BUILT PLAN
Revised to show actual conditions
according to construction records
as of September - 1956.
(U.S.H. 2-5-57)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE26		
WS-1		
STA. 0+00 TO STA. 16+00		
DES. C.M.T. DR. W.B.W. CKD. F.F.E. DATE: DEC. 1955	SCALE 0 50 100 1"=50'	SHEET XE26-7 OF 51

075-007



- Notes:
1. All residences are of concrete block construction except as noted.
 2. Property Lines as indicated by Hillsborough County Tax Records.
 3. All Driveways are Concrete.

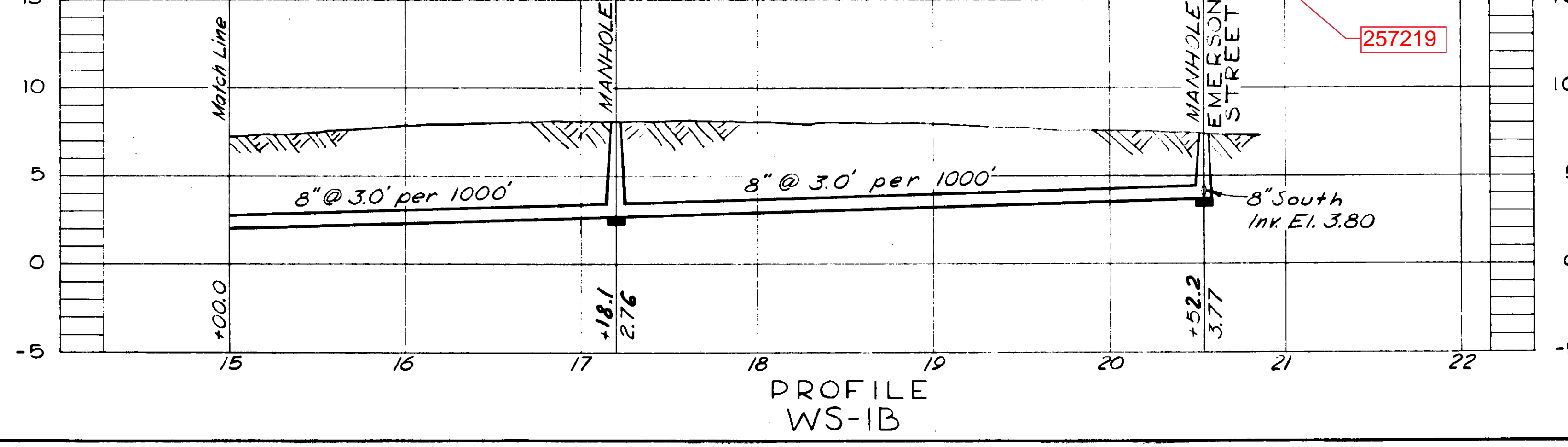
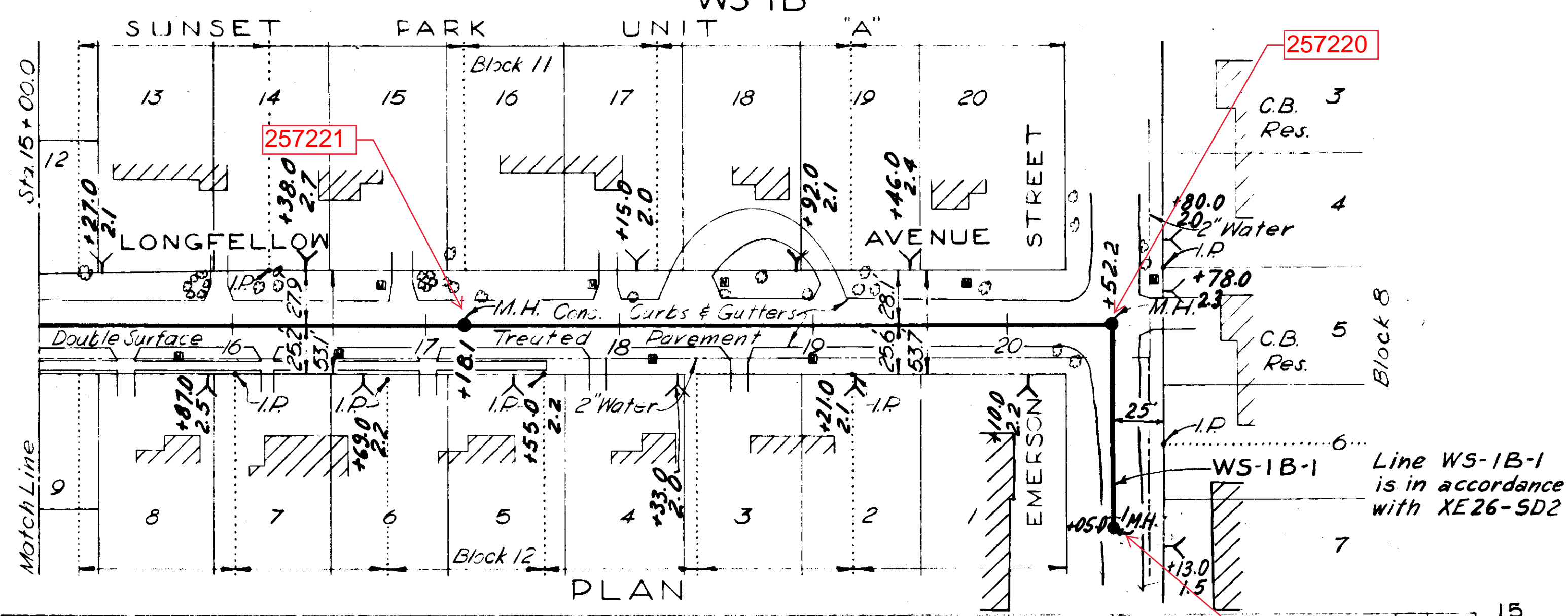
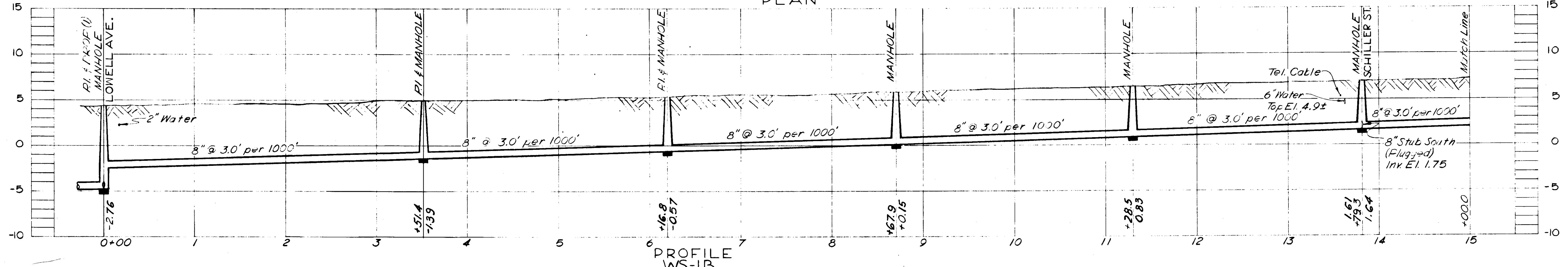
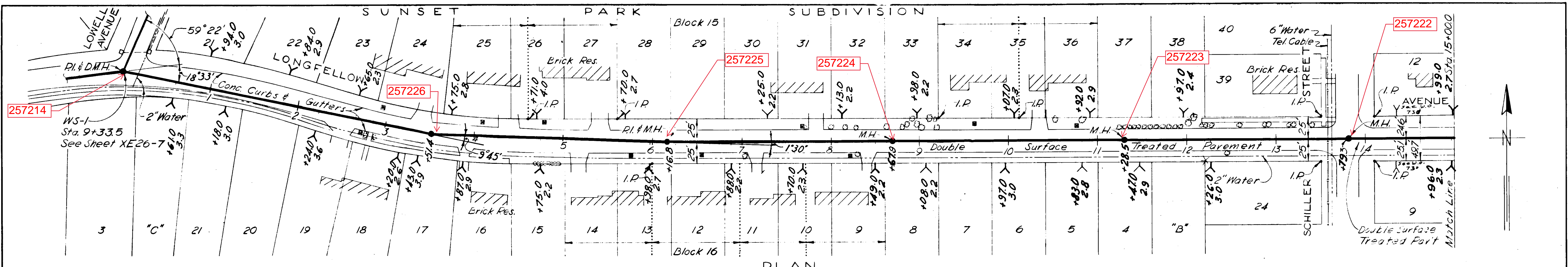
NOTE:
Sta 16+00 to 34+76.0 replaced with Single Surface Treatment.

AS BUILT PLAN
Revised to show actual conditions according to construction records as of September-1956. (U.S.H. 2-7-57.)

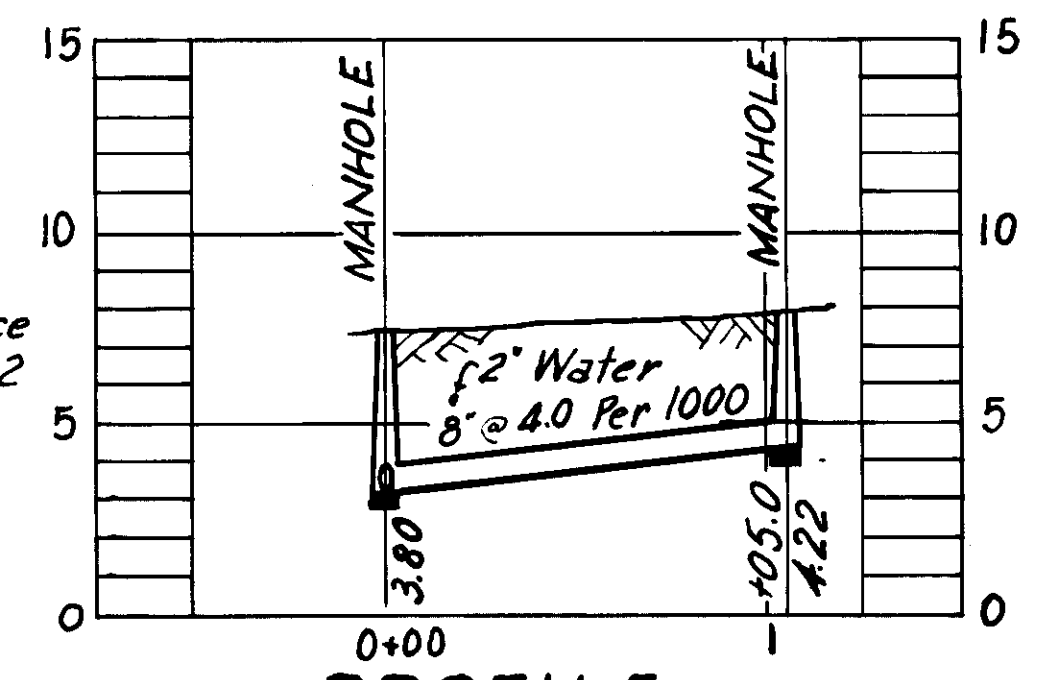
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE26		
WS-1		
STA. 16+00 TO STA. 34+76.0		
DES. C.M.T. DR. W.B.W. CKD. F.F.E. DATE: DEC. 1955	SCALE 0 50 100 1"=50'	SHEET XE26-8 OF 51

075-008



- NOTES:
1. All residences are of concrete block construction except as noted.
 2. 6" House Connections for lots 4 & 5, Block 8, to be brought in ahead of Manhole at Sta. 20+54.5.
 3. Property Lines as indicated by Hillsborough County Tax Records.



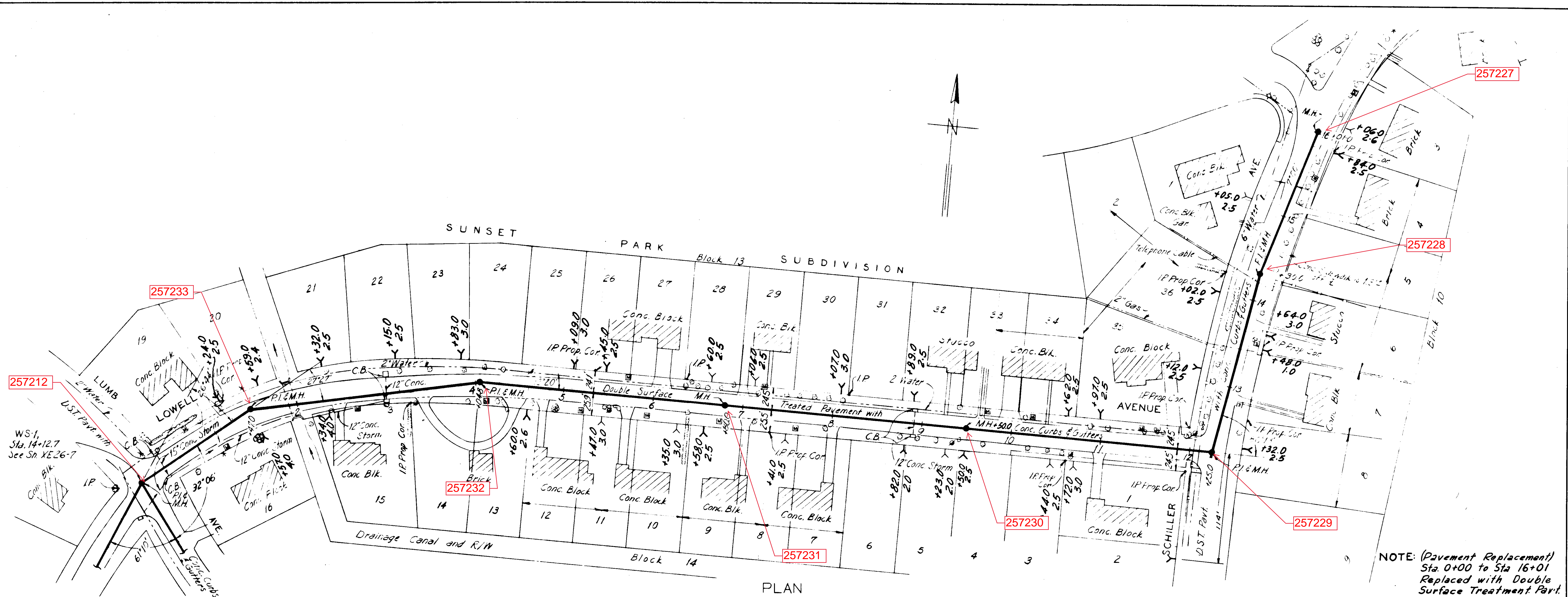
NOTE: (Pavement Replacement)
 Sta. 0+00 to Sta. 20+52.2
 Replaced with Double Surface Treatment Pavt.
 Sta. 0+00 to Sta. 1+05
 on WS-IB-1 Replaced with Double Surface Treat. Pavement.

~ AS BUILT PLAN ~
 Revised to show actual conditions according to construction records of 1-24-57. (J.M.R. 2-6-57)

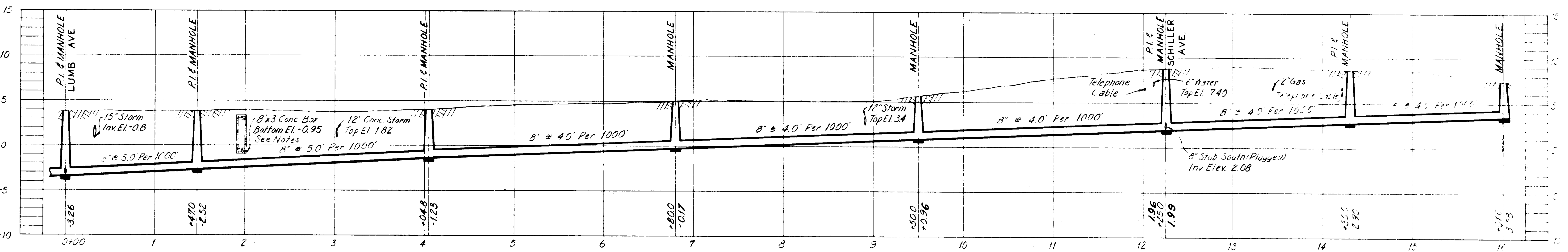
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE26	
WS-IB & WS-IB-1	
DES. C.M.T. DR. W.B.W. CKD. F.F.E. DATE: DEC. 1955	SCALE 50 0 50 100 1"=50'
SHEET XE26-12 OF 51	

075-012



NOTE: (Pavement Replacement)
Sta 0+00 to Sta 16+01
Replaced with Double
Surface Treatment Pavt.



PROFILE
WS-1C

NOTES:
1. Property Lines as indicated by Hillsborough County Tax Records.
2. Backfill under Box Culvert @ Sta 1+95± to be thoroughly tamped and rammed in place.

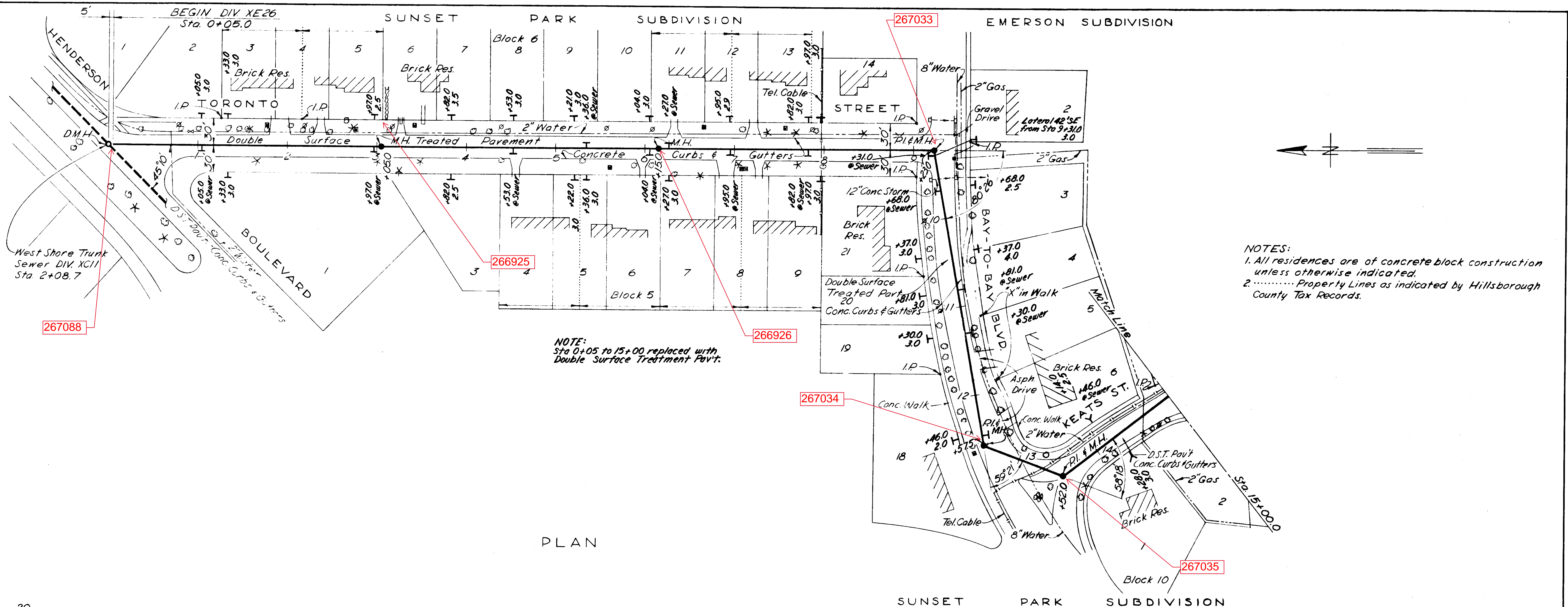
AS BUILT PLAN

Revised to show actual conditions according to construction records as of 1-9-57.
(J.M.R. 2-11-57)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE26		
WS-1C		
DES. C.M.T. DR. A.D.C. CKD. F.F.E. DATE DEC 1955	SCALE 50 0 50 100 1" = 50'	SHEET XE26-13 OF 51

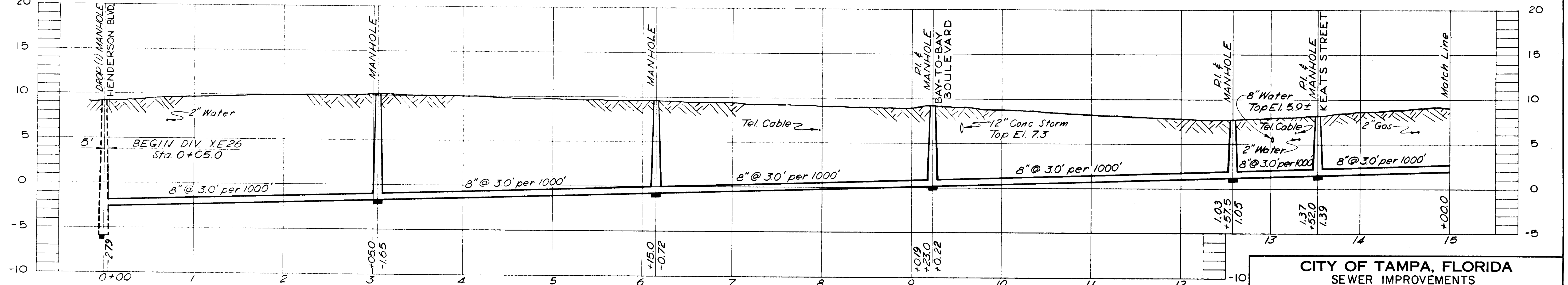
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

075-013



NOTES:
 1. All residences are of concrete block construction unless otherwise indicated.
 2. Property Lines as indicated by Hillsborough County Tax Records.

PLAN



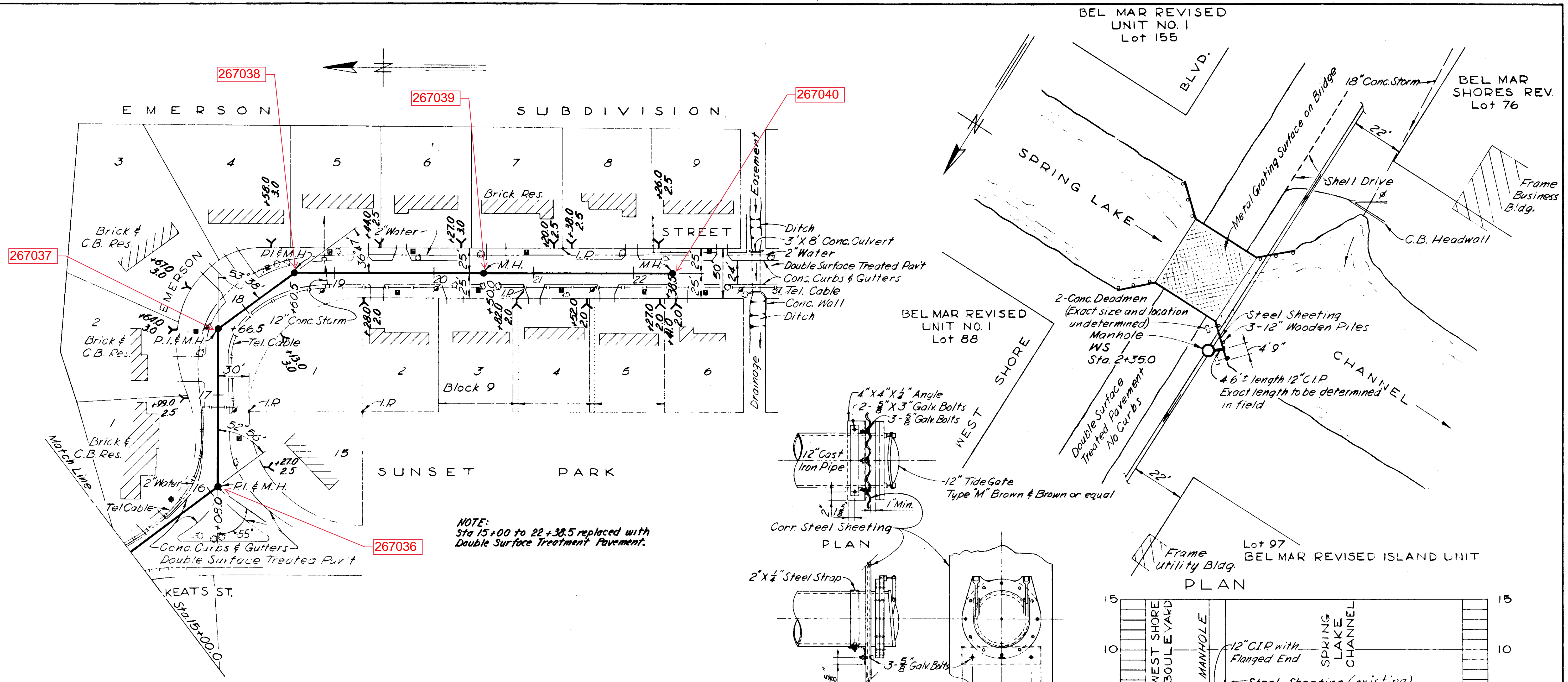
PROFILE SJ-1

AS BUILT PLAN
 Revised to show actual conditions according to construction records as of February 1957. (U.S.H. 2-27-57.)

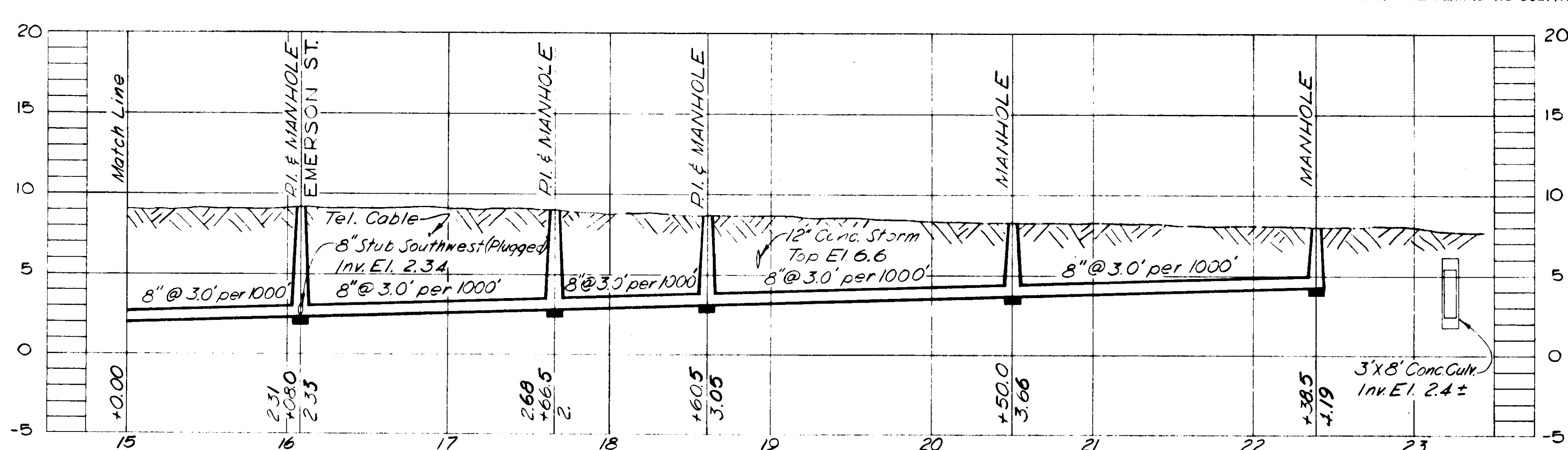
CITY OF TAMPA, FLORIDA	
SEWER IMPROVEMENTS	
DIVISION XE26	
SJ-1	
STA. 0+05.0 TO STA. 15+00	
DES. C.M.T. DR. W.B.W. CKD. F.F.E. DATE: DEC. 1955	SCALE
SHEET XE26-42	

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

075-042

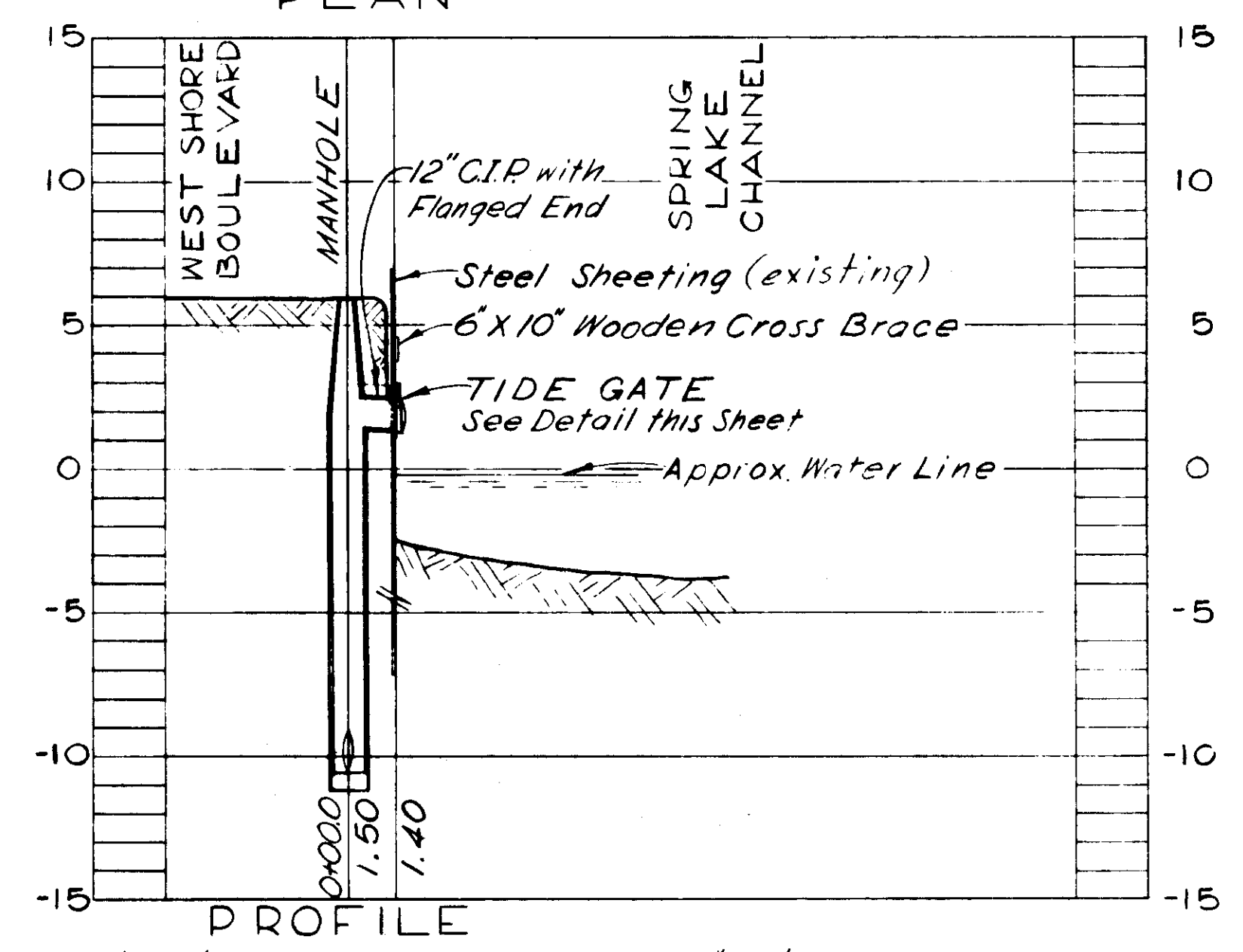
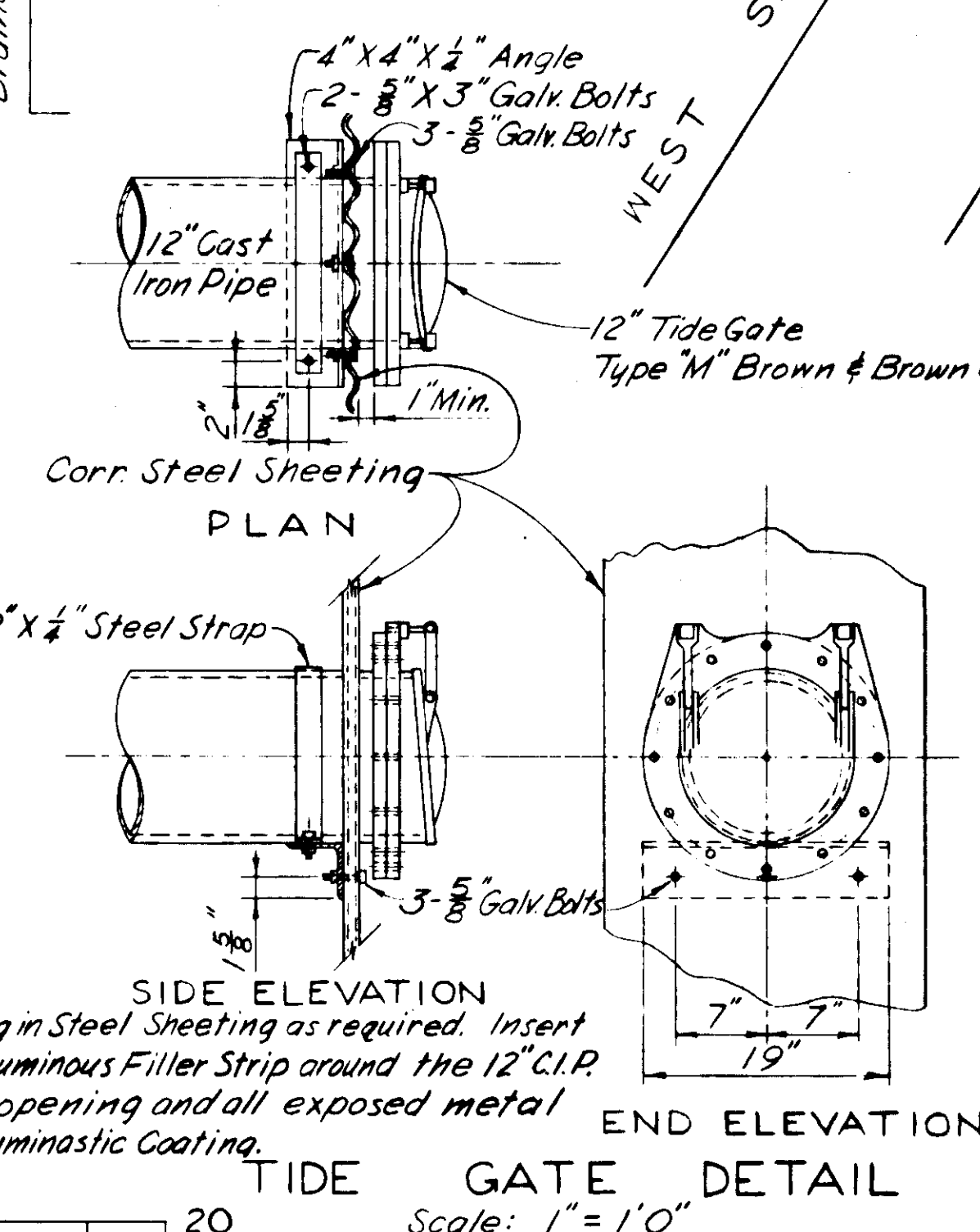


PLAN



PROFILE SJ-1

AS BUILT PLAN
Revised to show actual conditions according to construction records as of February-1957.
(U.S.H. 2-27-57)



12-INCH EMERGENCY OVERFLOW-SEWER WS

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE26

SJ-1
STA. 15+00 TO STA. 22+38.5
12" EMERGENCY OVERFLOW-SEWER WS

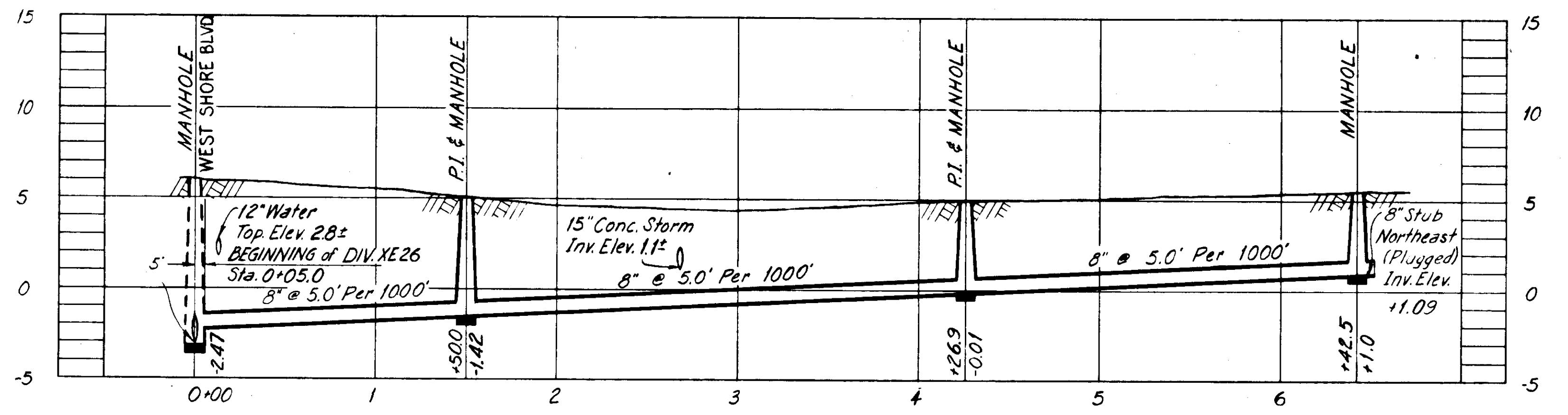
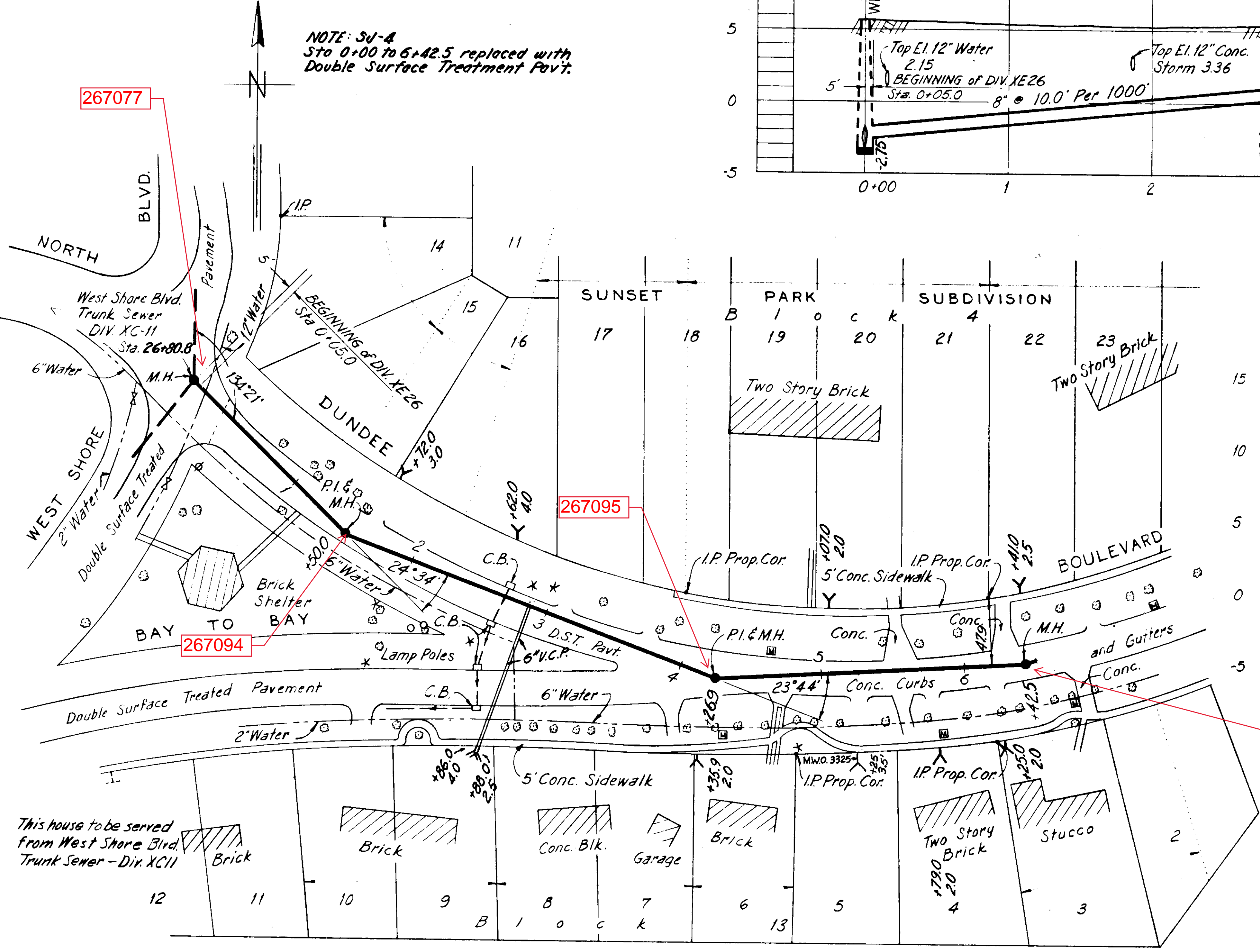
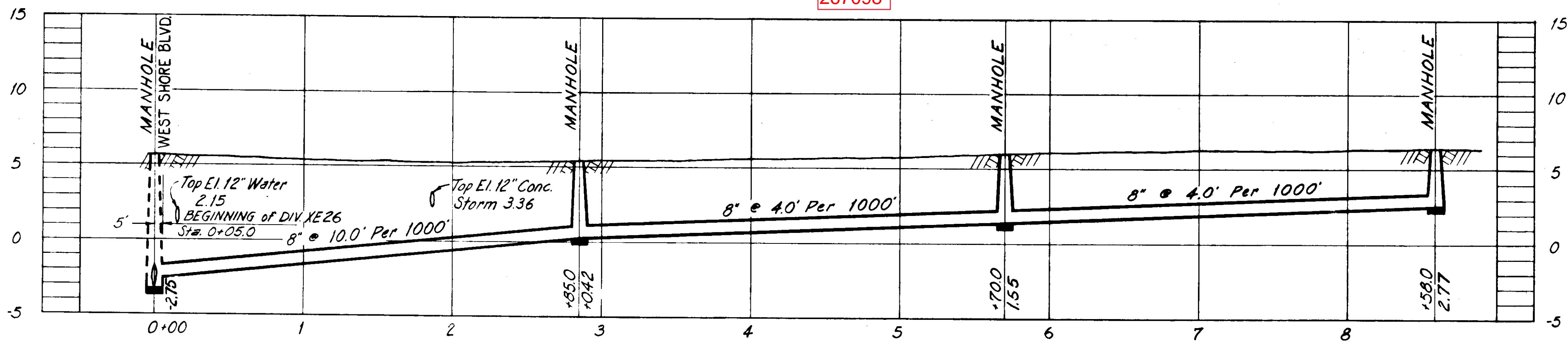
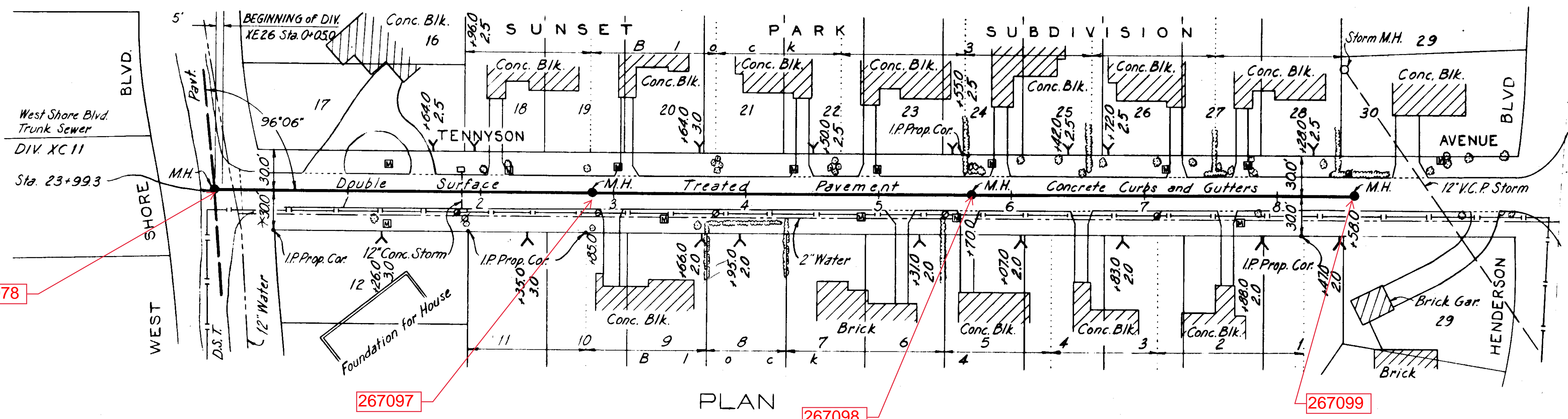
DES. C.M.T.
DR. W.B.W.
CKD. F.F.E.
DATE:
DEC. 1955

SCALE
0 50 100
1" = 50'
EXCEPT AS NOTED

SHEET
XE26-43
OF 51

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

075-043



- NOTES:
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 February-1957.
 (U.S.H. 2-27-57.)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
 DIVISION XE26

SJ-3 & SJ-4

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

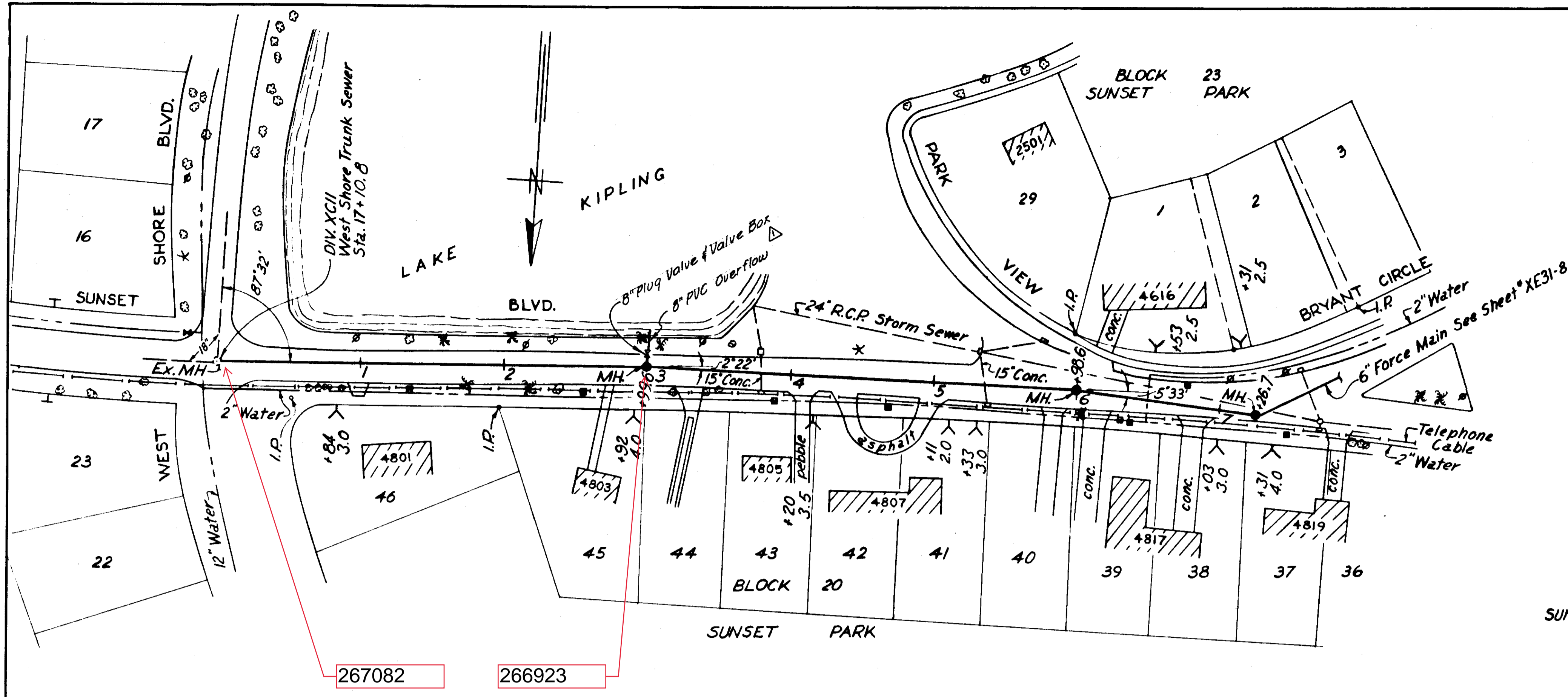
SCALE
 0 50 100

SHEET
 XE26-45

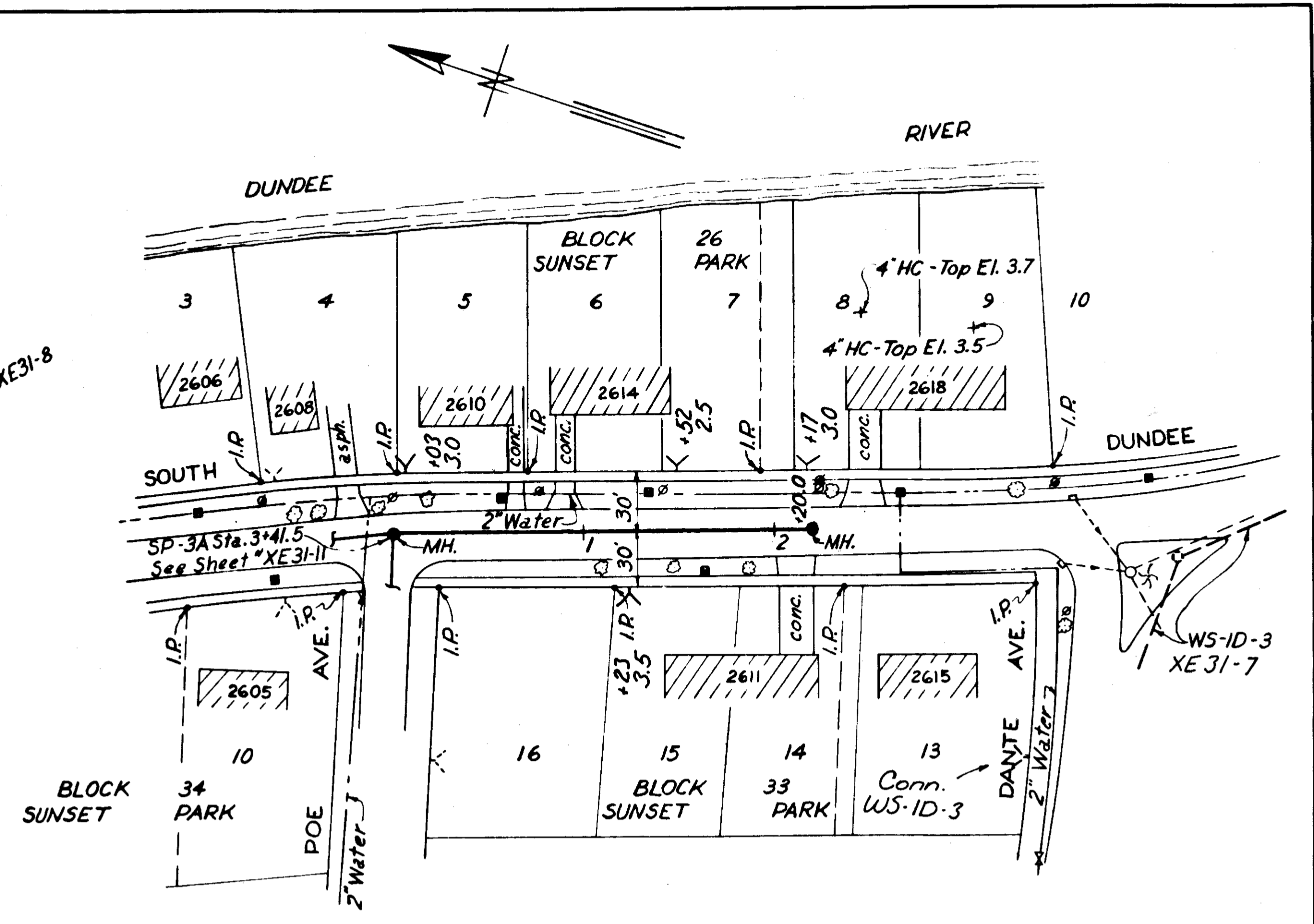
075-045

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

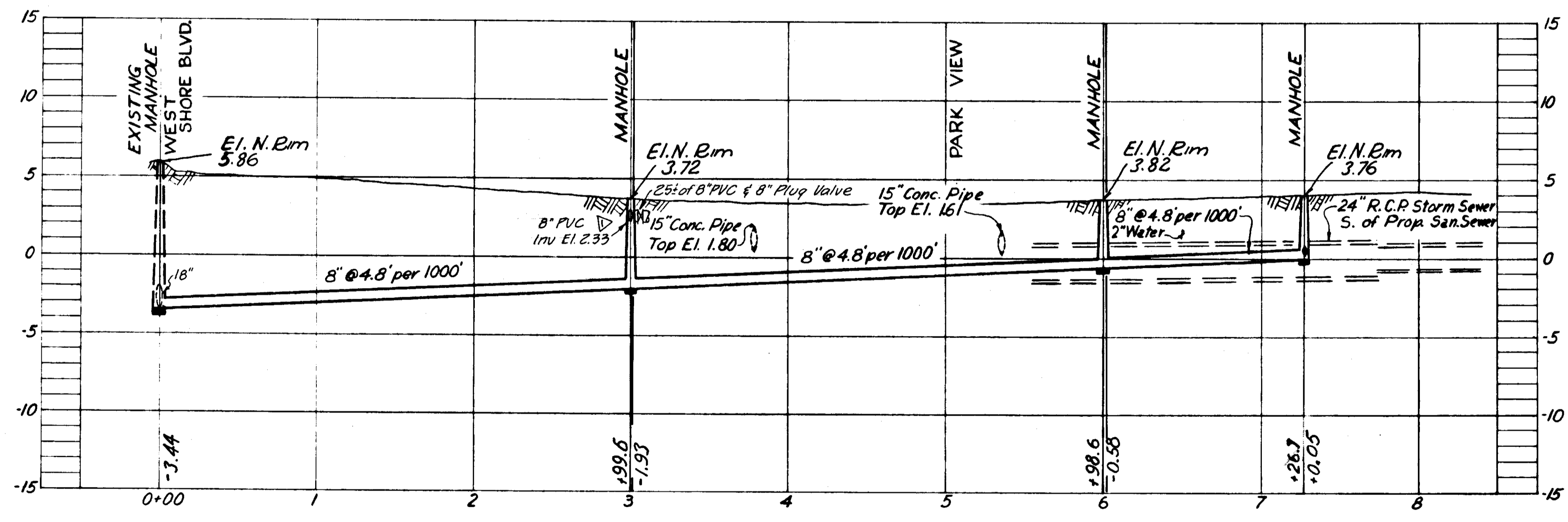
PLAN
 SJ-4



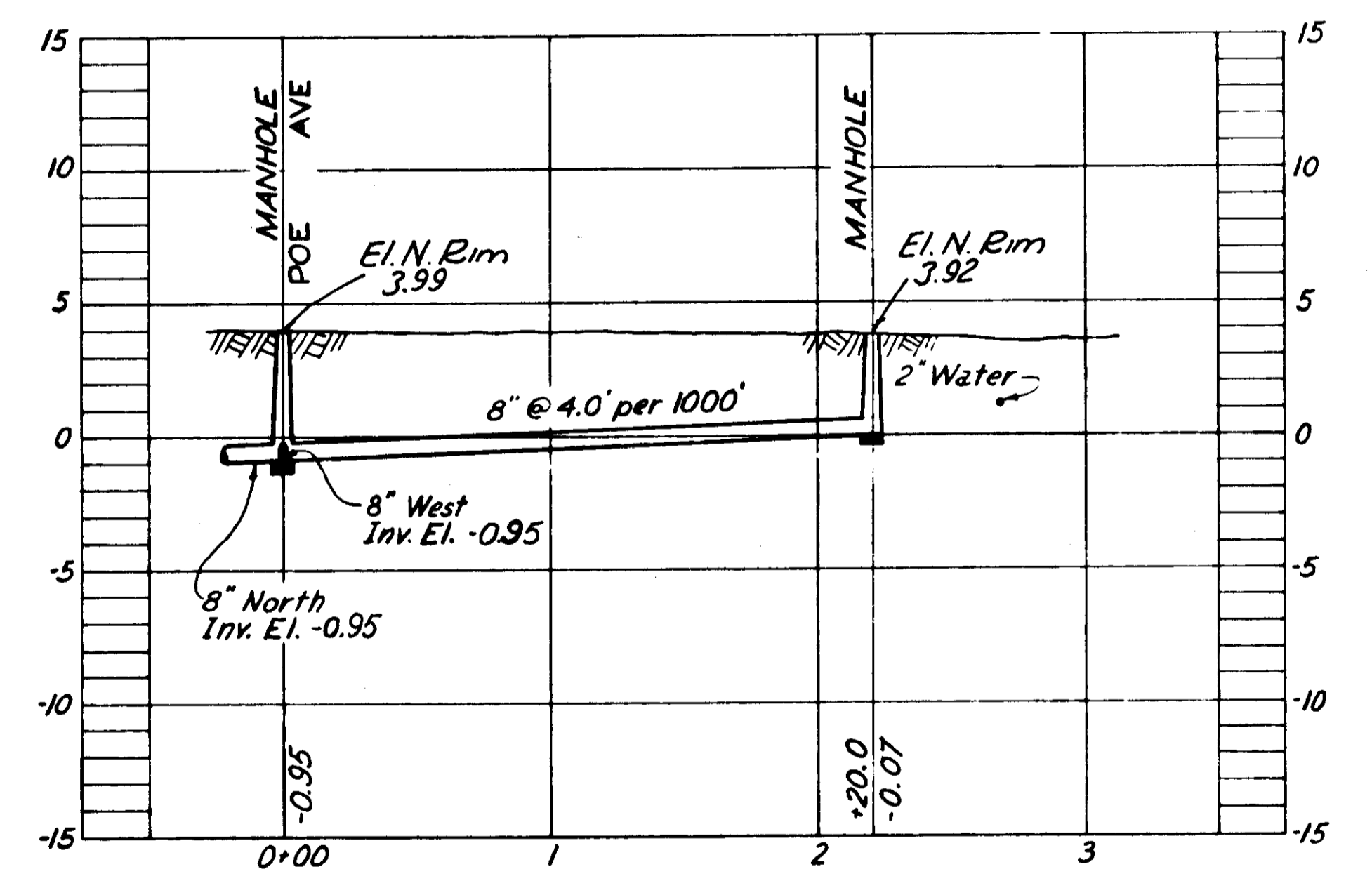
PLAN



PLAN



PROFILE
SJ-6



PROFILE
SP-3A-1
AS-BUILT PLAN
Revised to show actual conditions according to construction records as of March 1960
E. V. J. Aug. 1960

- NOTE:
1. Backfill around all house services tunneled under gutters, curbs and sidewalks shall be tamped & rrammed in place.
 2. All streets are worn and patched surface treated pavement and have concrete curbs and gutters.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE 31

SJ-6 & SP-3A-1

NO	DATE	REVISIONS
1	9-79	25' Overflow-Plug Valve
2		
3		
4		
5		

SUBMITTED:
BUREAU OF SANITARY SEWERS

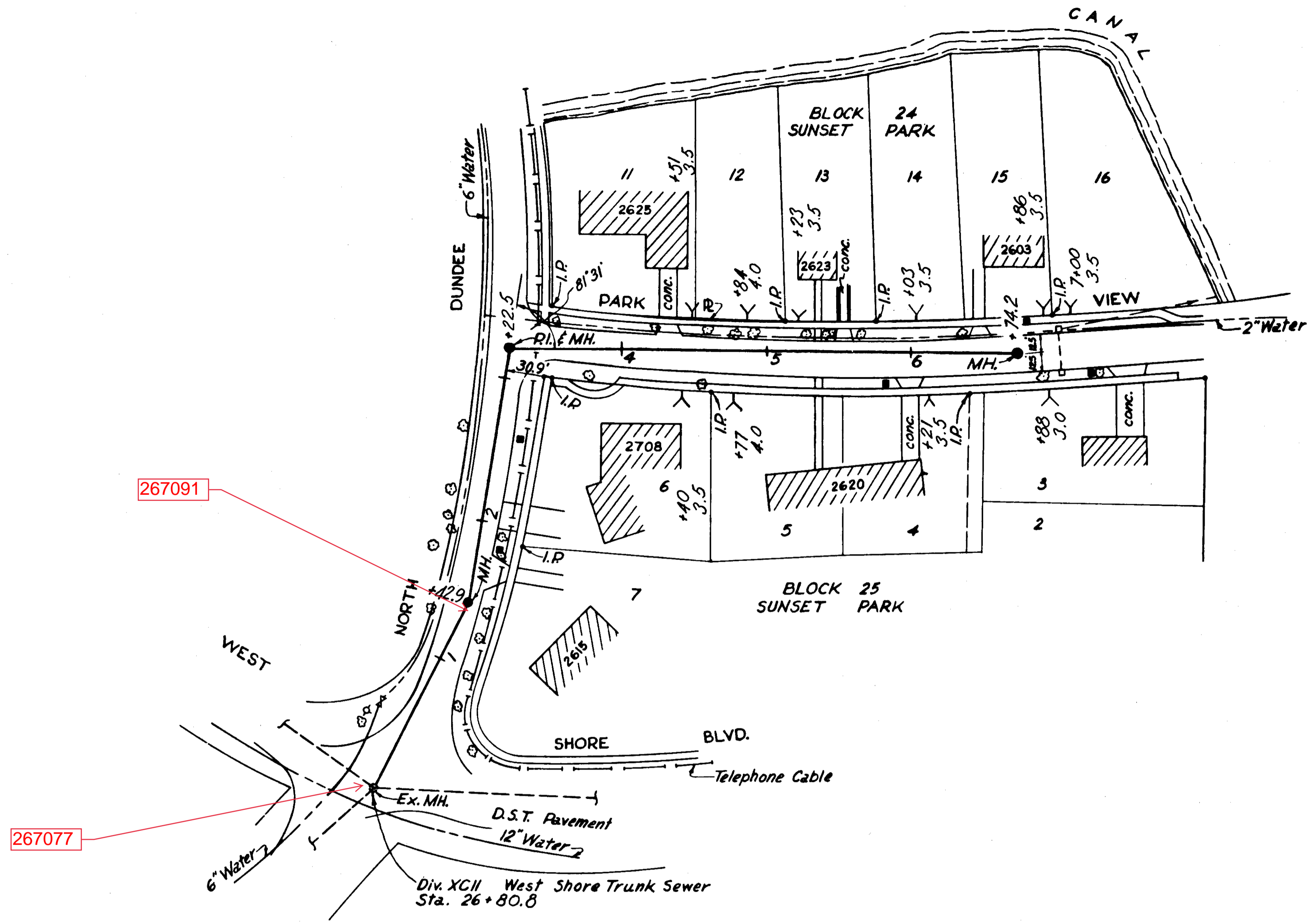
APPROVED:
GREELEY AND HANSEN, ENGINEERS

DES. C.E.E.
DR. C.E.E.
CKD. R.E.F.
DATE
7-16-59

SCALE
0 50 100
1" = 50'

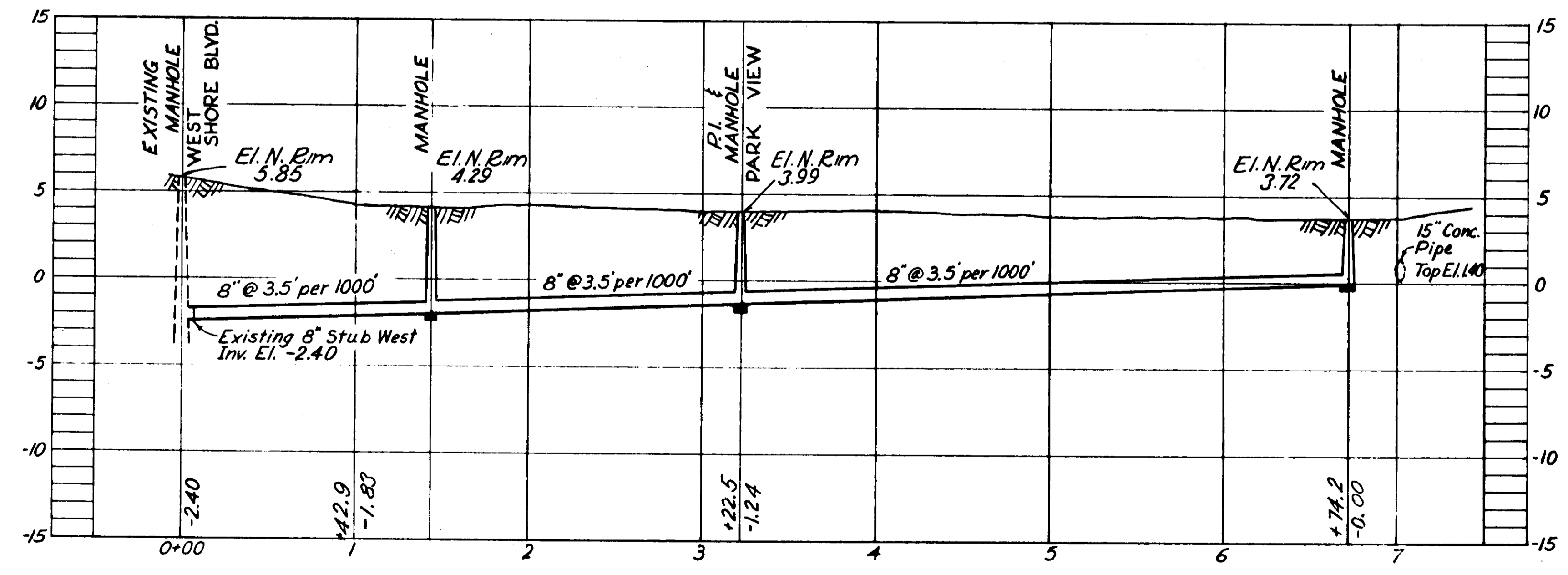
SHEET
XE31-12
OF 16

079-012



PLAN

- NOTE:
1. Backfill around all house services funneled under gutters, curbs and sidewalks shall be tamped & rammed in place.
 2. All streets are worn and patched surface treated pavement and have concrete curbs and gutters unless specified otherwise.



PROFILE SJ-5

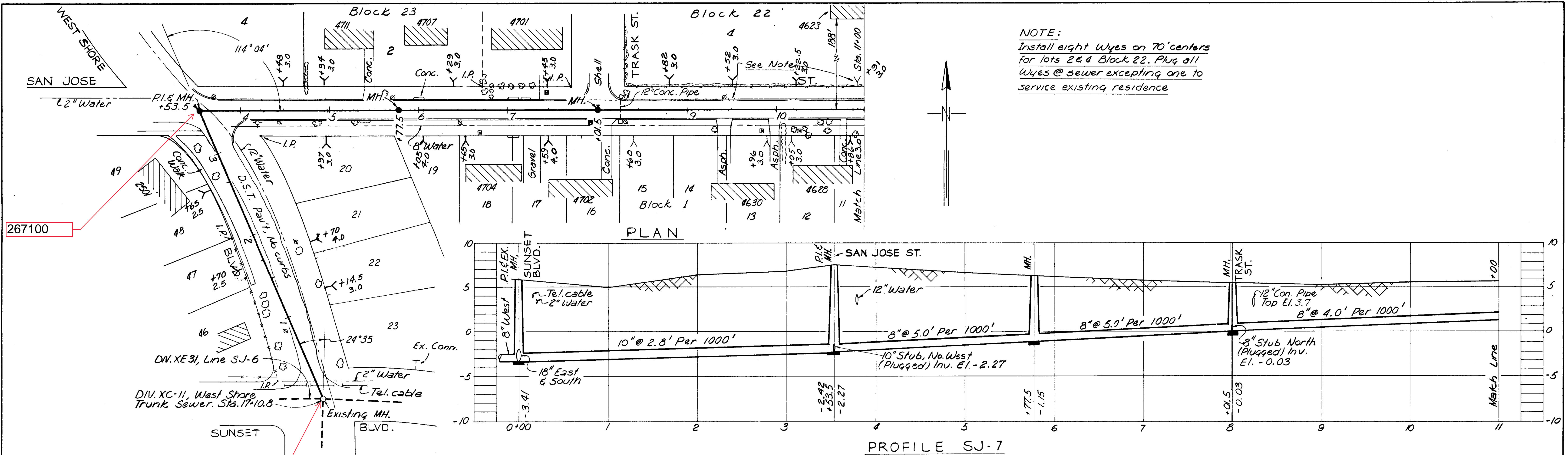
AS-BUILT PLAN
 Revised to show actual conditions according to construction records as of Feb. 1960 B.V.J. 7-11-61

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE 31

SJ - 5

SUBMITTED: BUREAU OF SANITARY SEWERS	DES. C.E.E. DR. C.E.E. CKD. R.E.P. DATE 7-10-59	SCALE 0 50 100 1" = 50'	SHEET
			XE31-13 OF 16
APPROVED: GREELEY AND HANSEN, ENGINEERS			

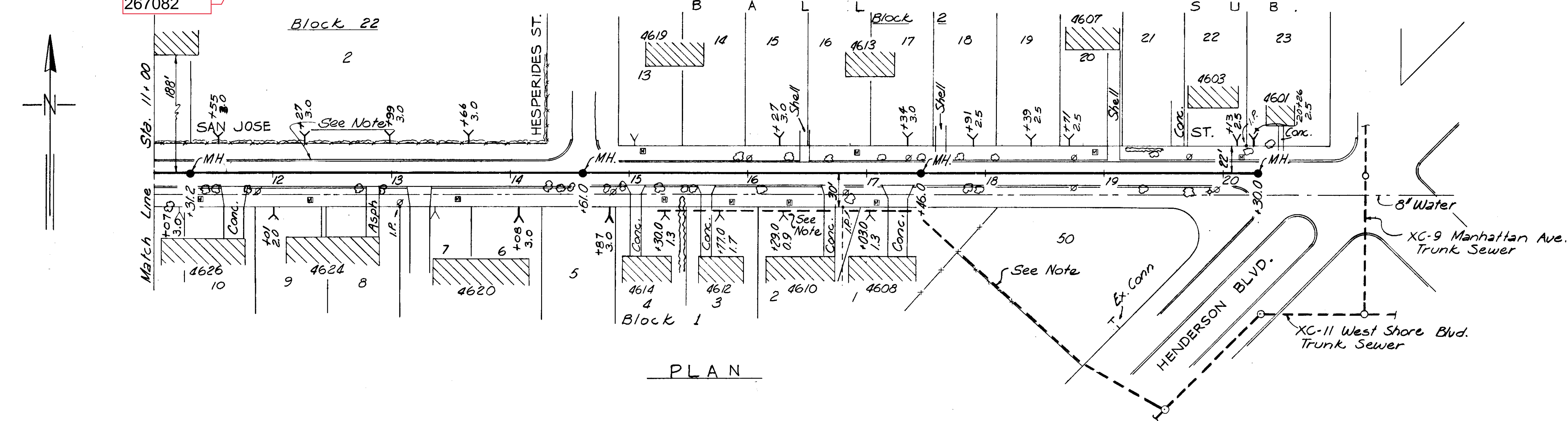
079-013



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

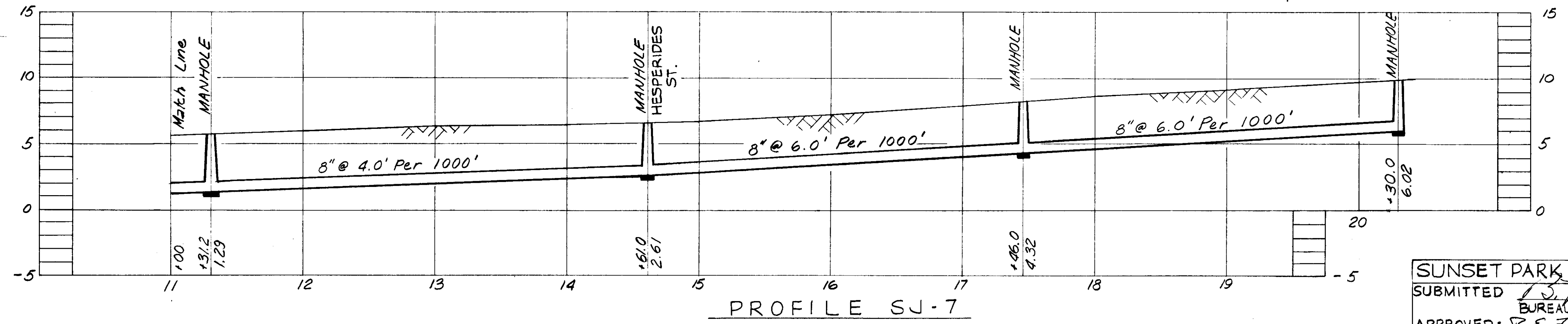
267100

267082



NOTE:-
 Existing house connections to lots 1 thru 4, Block 1 to remain in service 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.

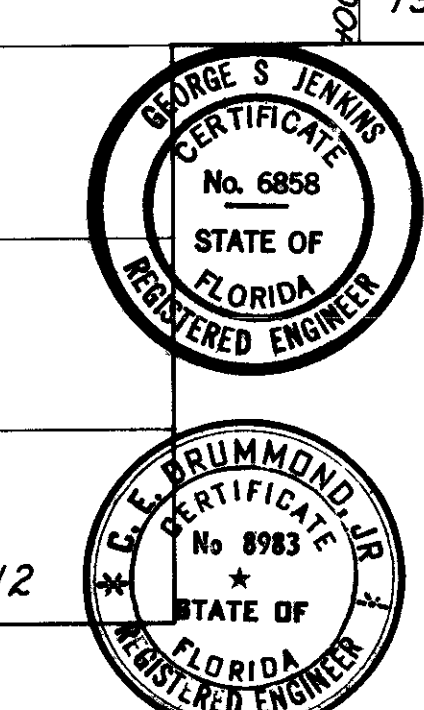
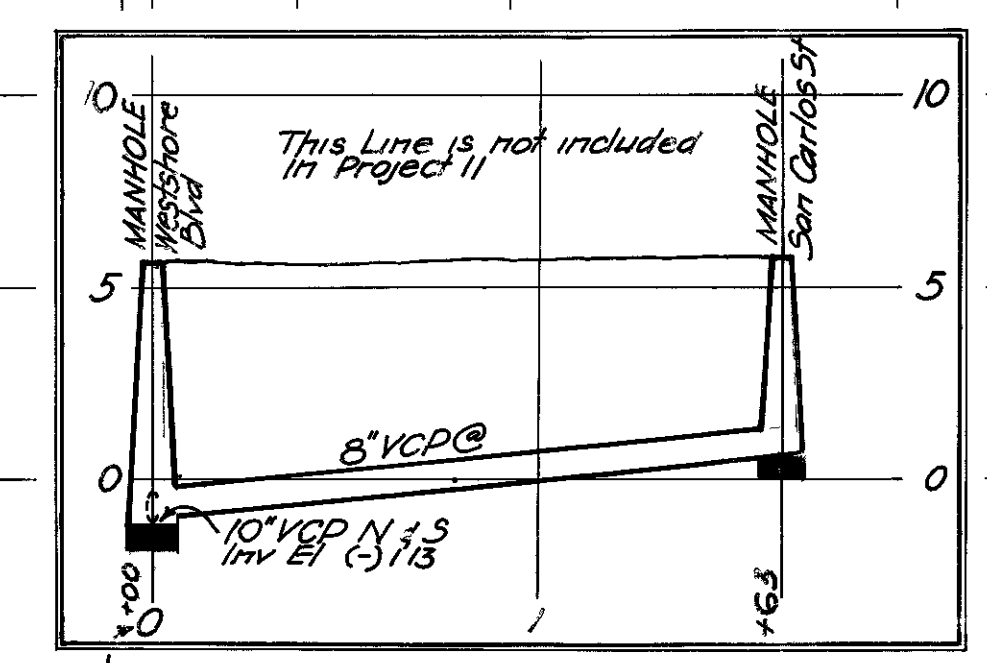
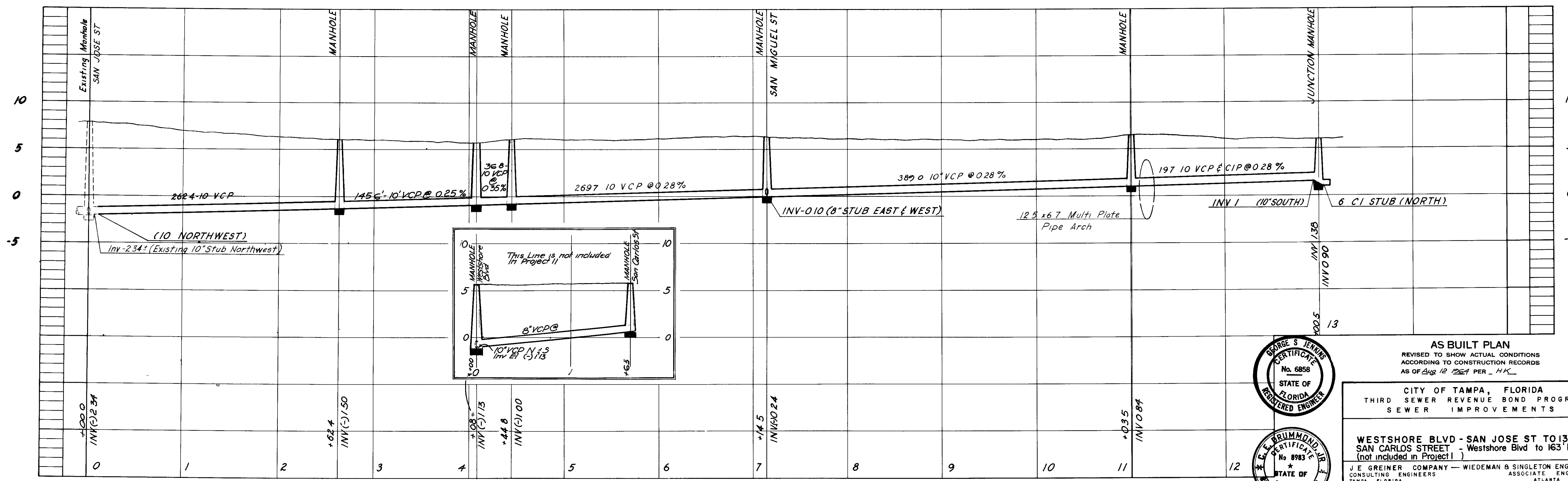
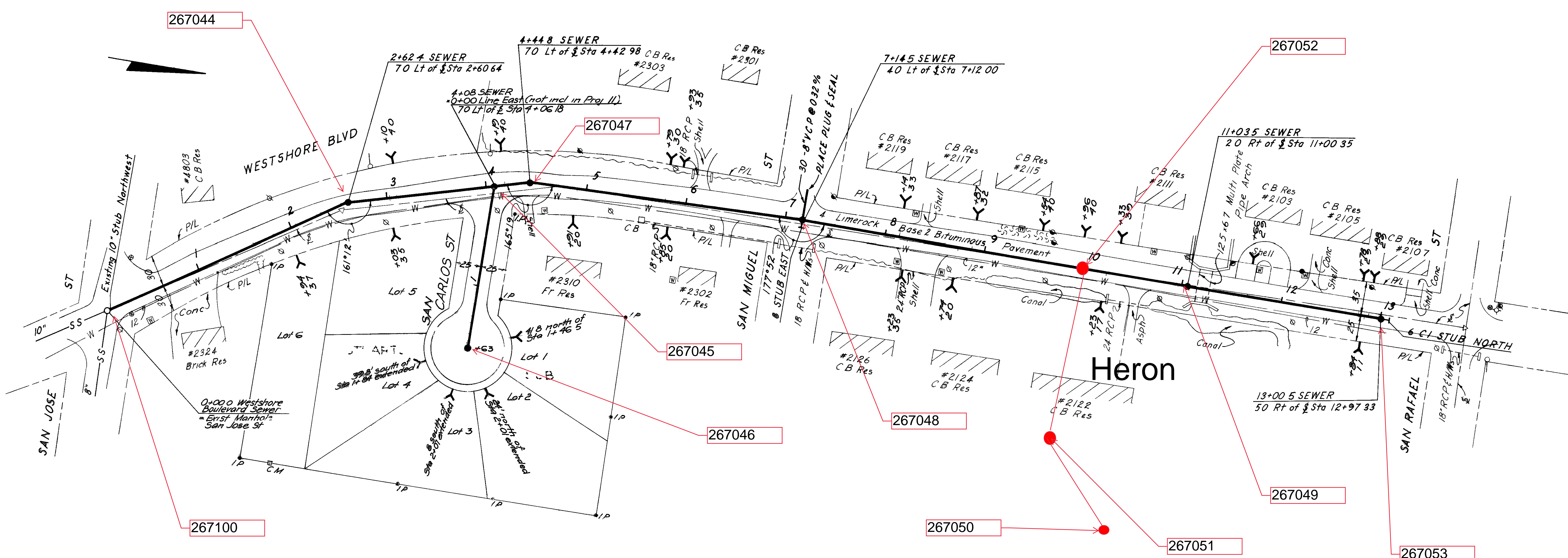


CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE 31
 SJ-7

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

079-016



AS BUILT PLAN
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION RECORDS
 AS OF Aug 12 1961 PER H.K.

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)

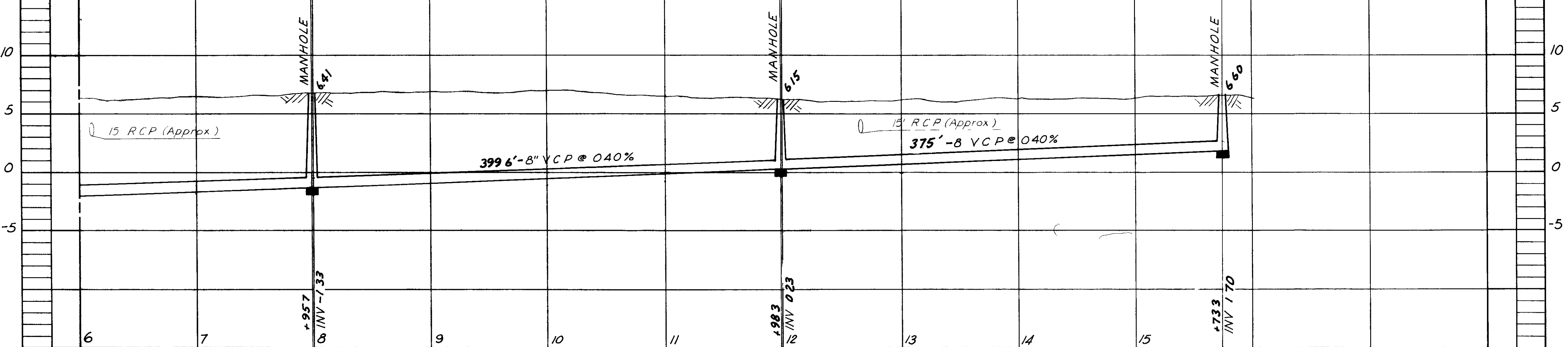
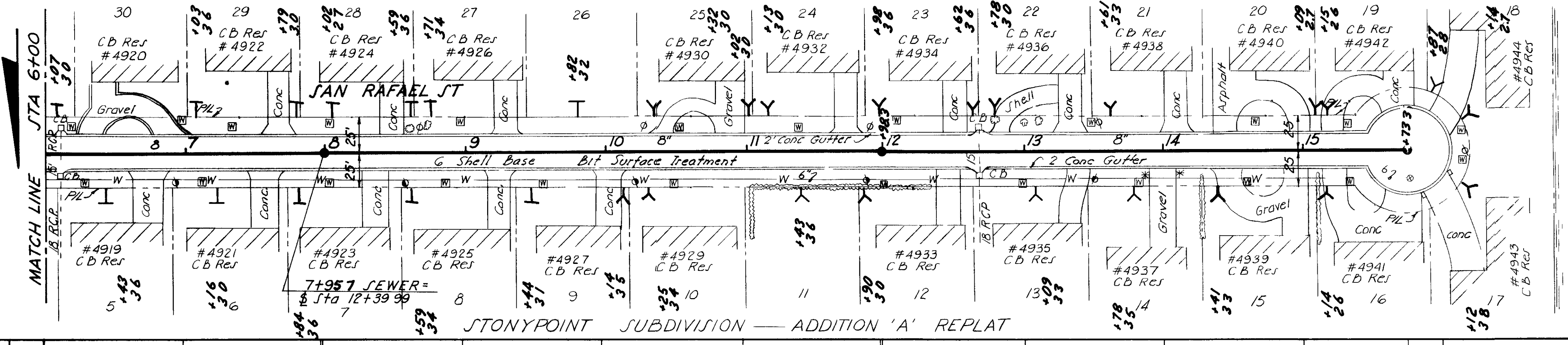
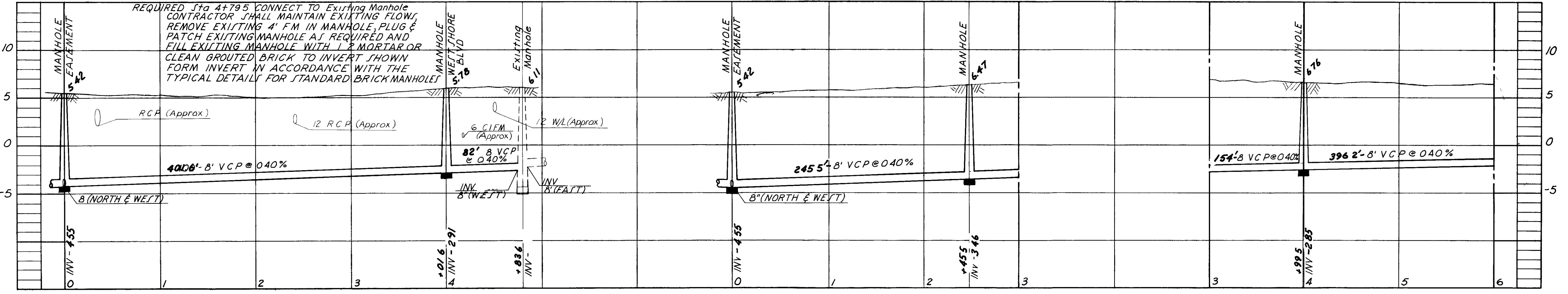
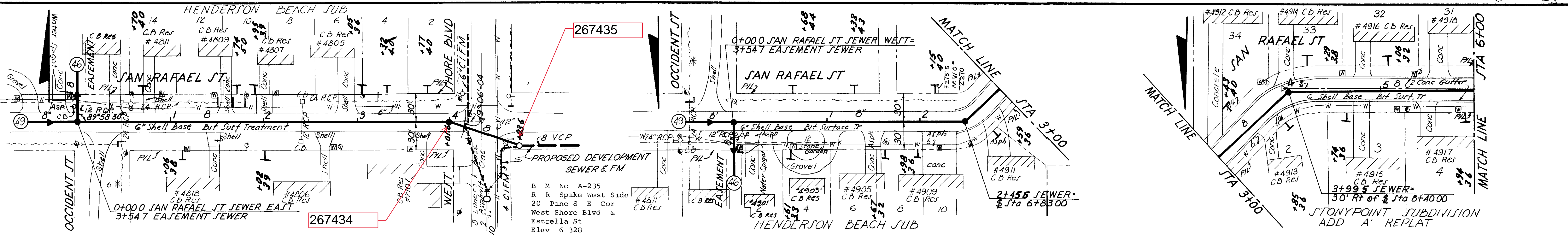
J. E. GREINER COMPANY - WIEDEMAN & SINGLETON ENGINEERS
 CONSULTING ENGINEERS ASSOCIATE ENGINEERS
 TAMPA, FLORIDA ATLANTA, GEORGIA

PROJECT II
 SUBDISTRICT

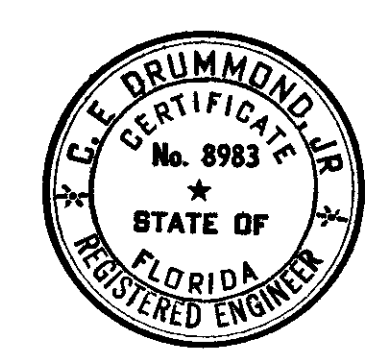
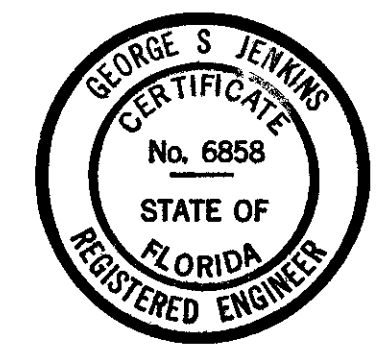
SHEET
 SI

DATE SEPT 68

095-032



AS BUILT PLAN
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION RECORDS
 AS OF 2-4-66 PER [Signature]



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

SAN RAFAEL ST - EASEMENT TO 479 S'E
 SAN RAFAEL ST - EASEMENT TO 1574 6' W

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

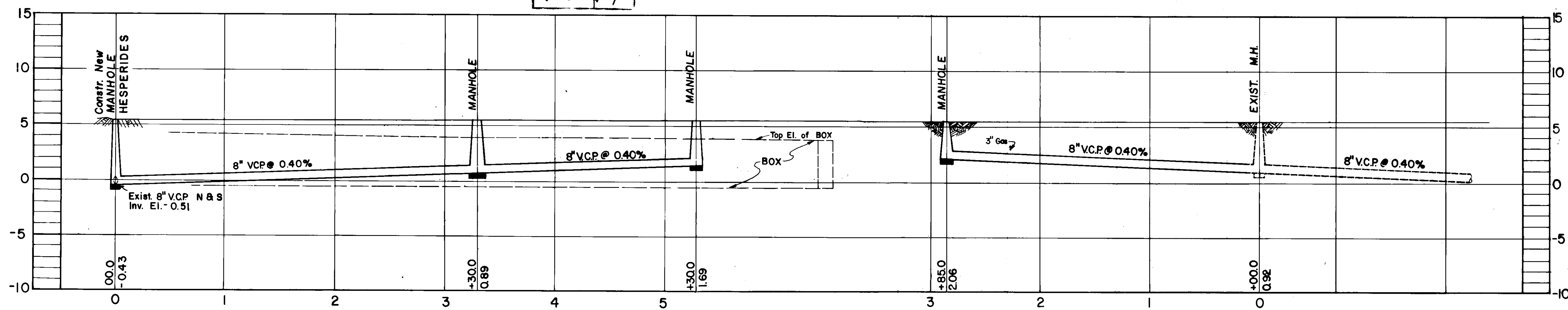
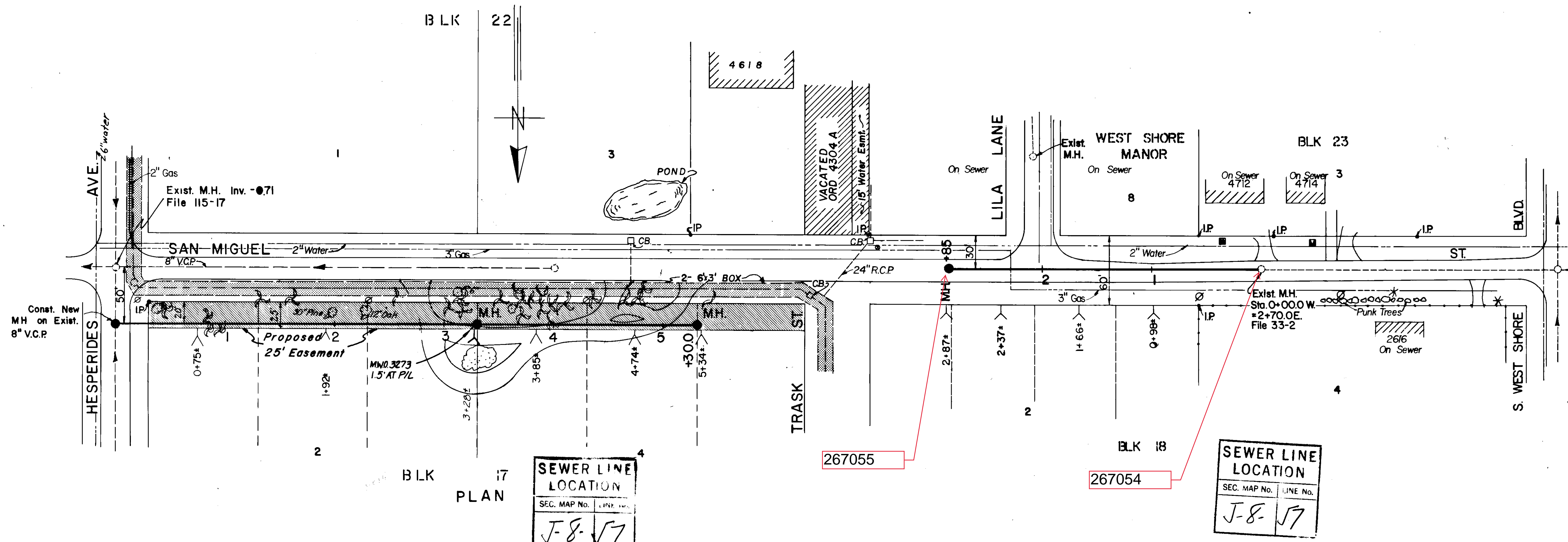
DES: L.D.H.
 DRN: [Signature]
 CXC: [Signature]
 DATE: MAR 62

PROJECT 21
 DIVISION B
 SUBDISTRICT A2

SHEET
 49
 OF 53

105-049

HENDERSON BEACH



PROFILE W.O. 2455

WATER
TELE
GAS
TECO

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

SAN MIGUEL ST.: Hesperides Ave. to
W. of Lila Lane

DES: JMR
DRN: MCH
CKD: EGS
DATE
OCT. 1973

SCALE
50 0 50
1" = 50'

SHEET

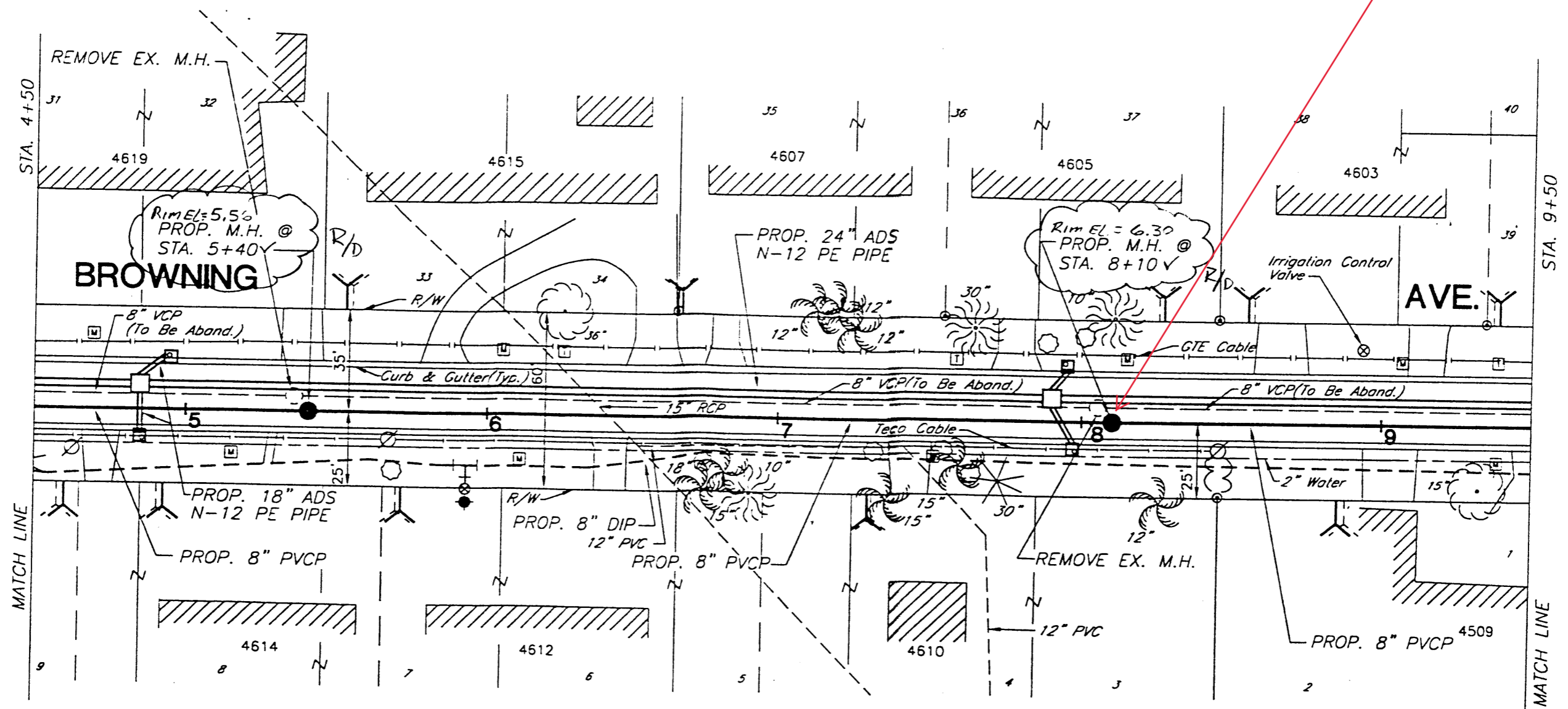
126-018

B10-40

SUNSET PARK

BLK. 2

267068



BLK. 3

PLAN

b010-040

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: AH
 DATE: 12/22/08

CITY of TAMPA
 DEPARTMENT OF SANITARY SEWERS
 STORMWATER DIVISION

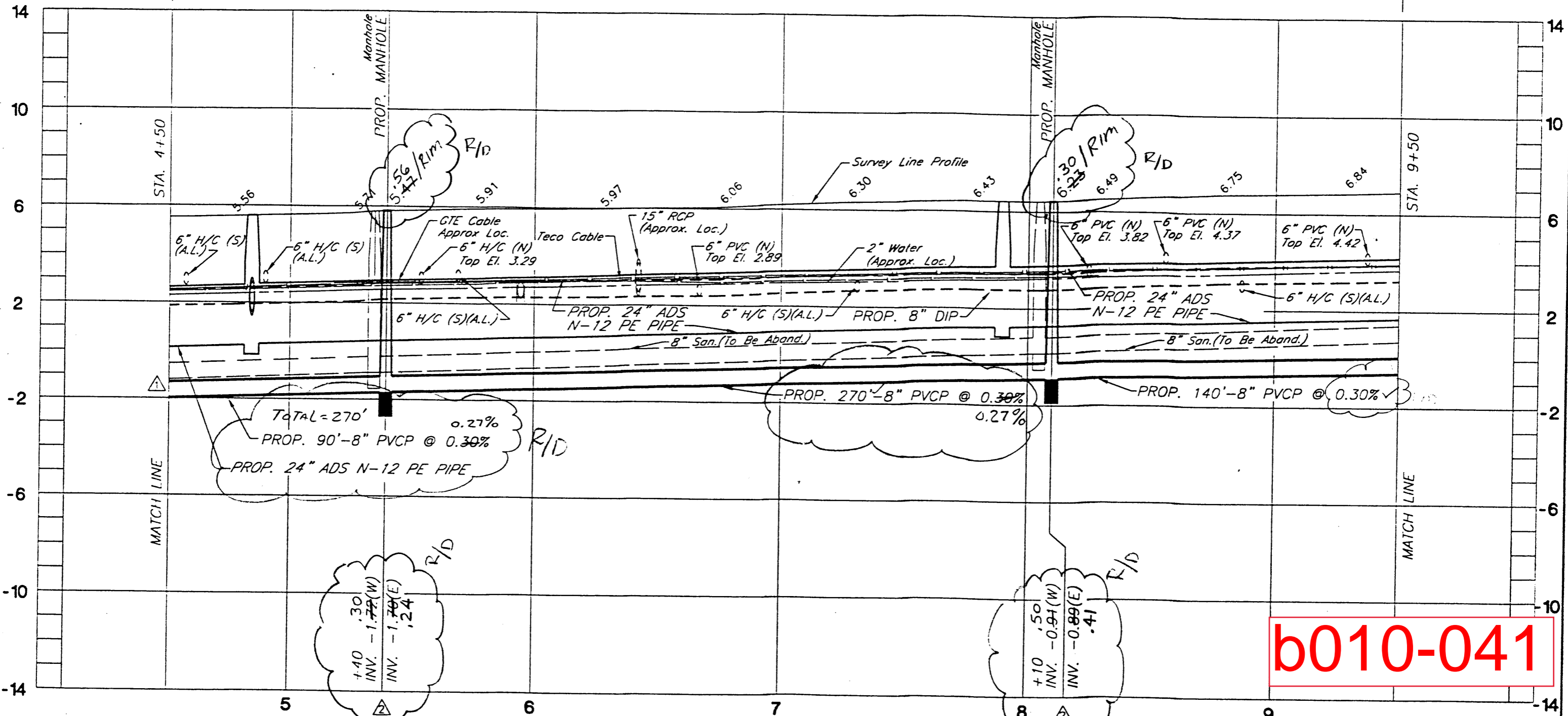
DUNDEE RIVER DRAINAGE BASIN IMPROVEMENTS
BROWNING AVE: From West Shore Blvd.
To Henderson Blvd.

W.O. 6553
 SHEET
15
 of 52

R14
 SEC. 37 T195 R18E
 ATLAS K-8
 STA. 4+50
 STA. 1-40
 STA. 13
 C:\R14\DWG\STORM\6553

B10-41

CLASS "C" BEDDING
PROP. 500'-8" PVCP @ 0-8' CUT



SEE STORM SEWER SHEETS
FOR PROPOSED FINISHED GRADE

PROFILE

1"=40' Horiz.
1"=4' Vert.

b010-041

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	1/4/99	LOWERED PROP. SAN. SEWER LINE	4		
2	1/4/99	REVISED SAN. MANHOLE INVERTS	5		
3			6		

DES: AB/JT
DRN: CR/WA
CKD: AA
DATE: 1-8-99

CITY of TAMPA
DEPARTMENT OF SANITARY SEWERS
STORMWATER DIVISION

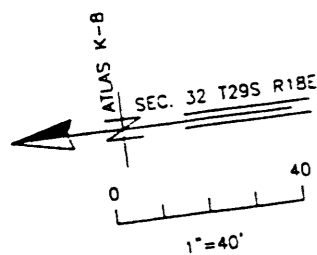
DUNDEE RIVER DRAINAGE BASIN IMPROVEMENTS
BROWNING AVE.: From West Shore Blvd.
To Henderson Blvd.

W.O. 6553
SHEET
16

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

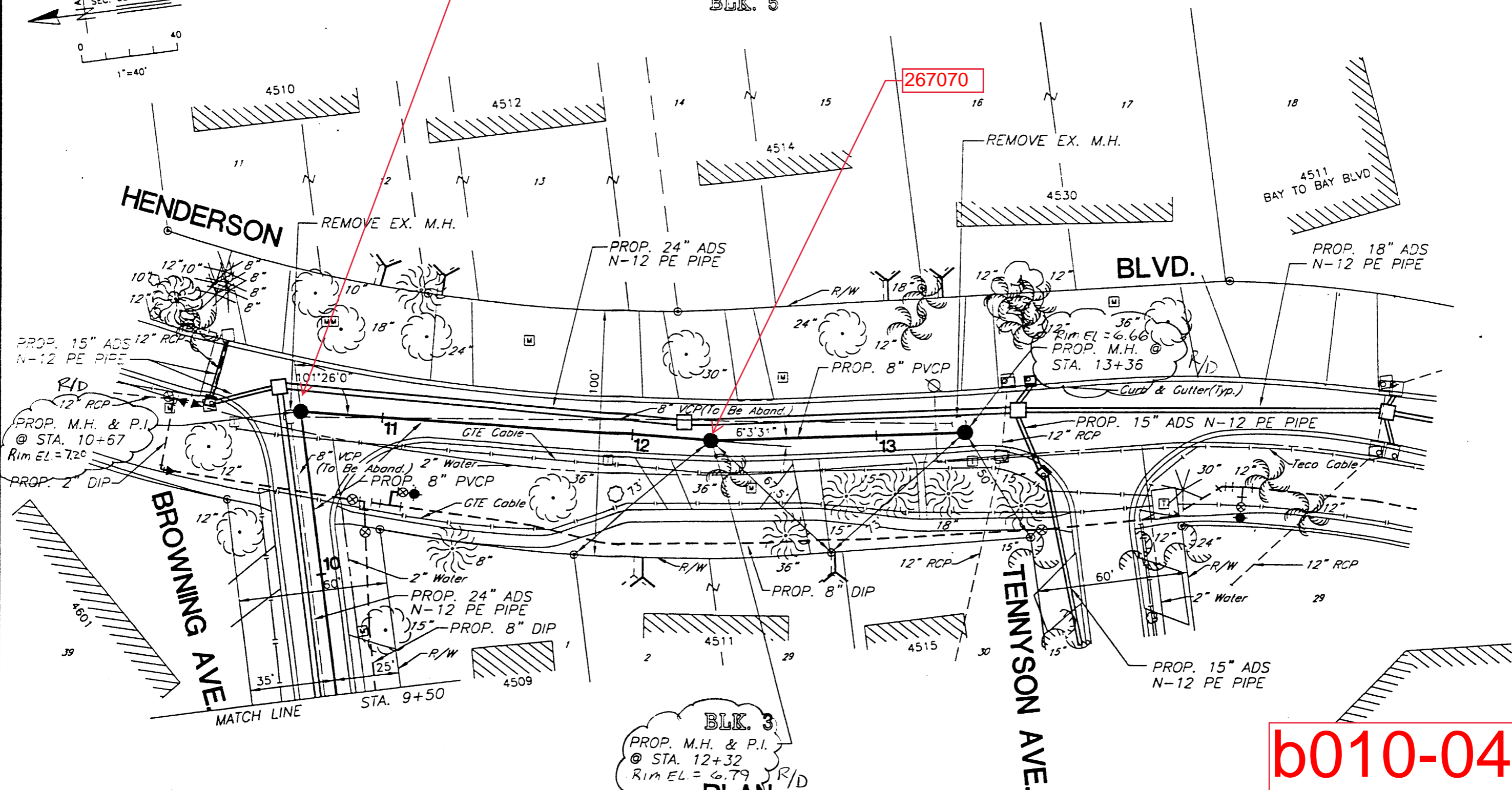
SUNSET PARK

BLK. 5



267069

267070



BLK. 3
PROP. M.H. & P.I.
@ STA. 12+32
Rim EL. = 6.79
R/D
PLAN

b010-042

CONSTRUCTION DRAWINGS

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

R14
STA. 73
1-40
C:\R14\DWG\STORM\6553

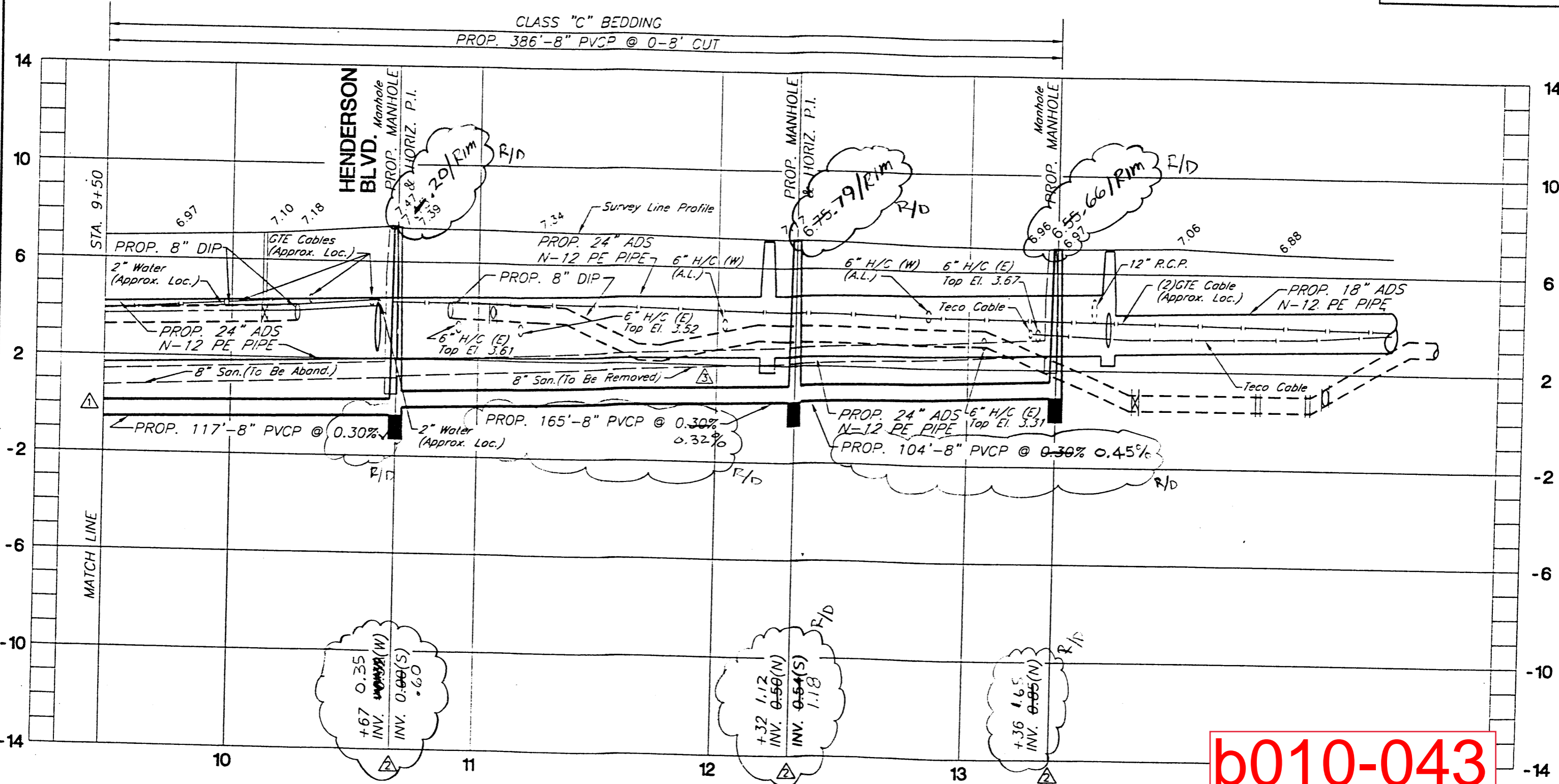
No.	DATE	REVISIONS	No.	DATE	REVISIONS
1			4		
2			5		
3			6		

DES: AB/JT
DRN: CR/WA
CKD: [Signature]
DATE: 12/22/00

CITY of TAMPA
DEPARTMENT OF SANITARY SEWERS
STORMWATER DIVISION

DUNDEE RIVER DRAINAGE BASIN IMPROVEMENTS
BROWNING AVE.: From West Shore Blvd.
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W.O. 6553
SHEET
17
of 52



SEE STORM SEWER SHEETS FOR PROPOSED FINISHED GRADE

PROFILE

1" = 40' Horiz.
1" = 4' Vert.

b010-043

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	1/4/99	LOWERED PROP. SAN. SEWER LINE	4		
2	1/4/99	REVISED SAN. MANHOLE INVERTS	5		
3	1/4/99	CHANGED NOTE	6		

DES: AB/JT
 DRN: CR/WA
 CKD: AH
 DATE: 1-8-94

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
18
 OF 52

R14
 STA. 13
 1-40
 C:\R14\DWG\STORM\6553