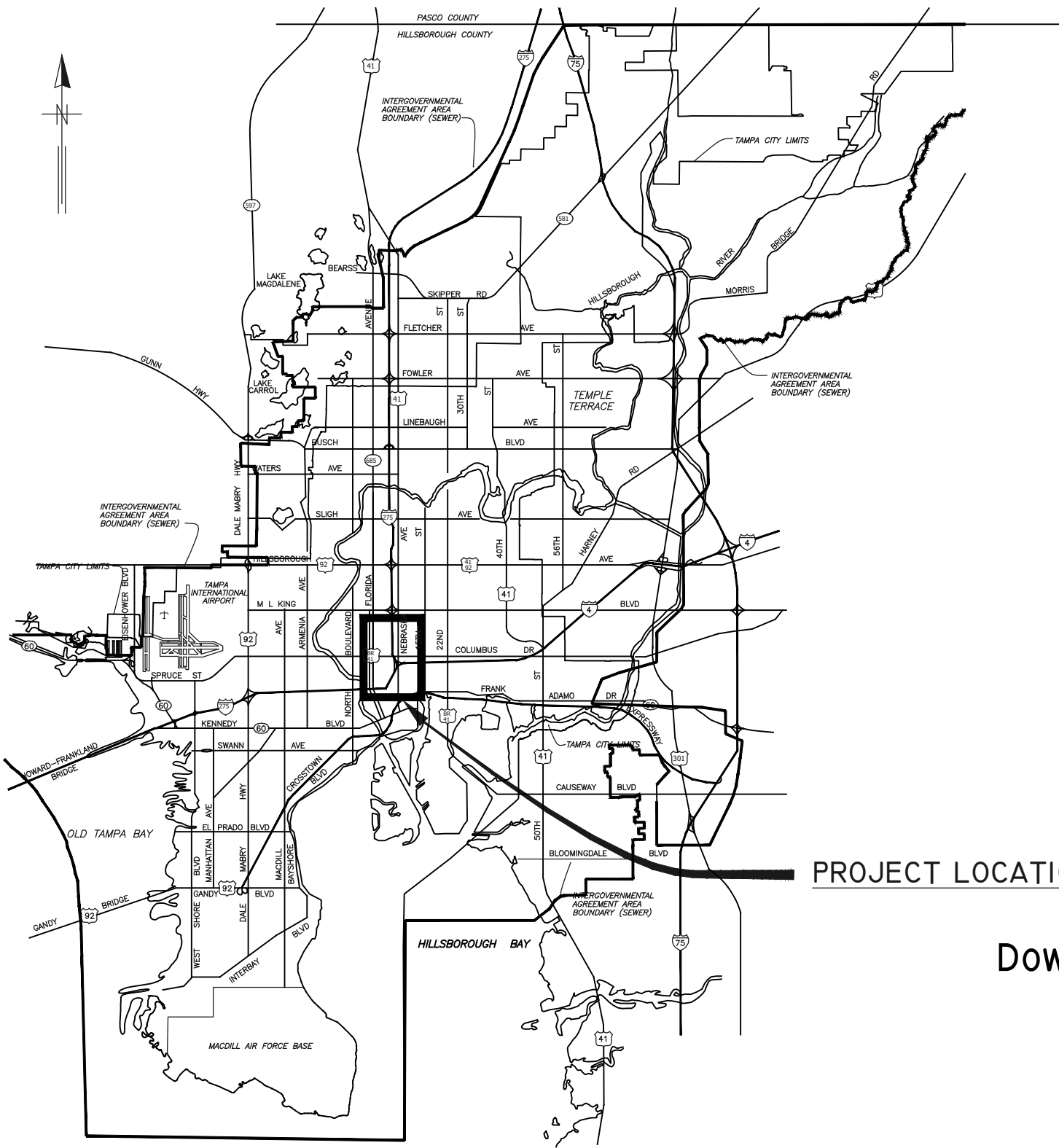


User: sst5 Drawing Name: K:\Wastewater Projects\FDOT Downtown Interchange Wastewater Collection System Rehabilitation by CIPP Lining\Drafting\DWG\plan.dwg Layout: Oct 11, 2022 - 2:51pm

LOCATION MAP



CITY of TAMPA



WASTEWATER DEPARTMENT ENGINEERING DIVISION

PLANS FOR DOWNTOWN INTERCHANGE WASTEWATER COLLECTION SYSTEM REHABILITATION BY CIPP LINING

CONTRACT No.
22-C-00050

PROJECT LOCATION

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

JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	#	DATE	REVISIONS	DES: JK	CITY of TAMPA WASTEWATER DEPARTMENT	Downtown Interchange Wastewater Collection System Rehabilitation By Cipp Lining	SHEET
	1			DRN: GP			
	2			CKD:		COVER	1
	3			DATE:			

GENERAL NOTES

1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 10" AND 15" 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 10-28 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", 600 GPM FOR 10" AND 1400 GPM FOR 15". 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, AND 15" SEWER SHALL BE 7.5 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. THIS PROJECT INCLUDES REHABILITATION OF MANHOLES BY APPLICATION OF A STRUCTURAL COATING SYSTEM AND ALL APPURTENANCES ASSOCIATED WITH THE PROJECT.
14. DURING THE MANHOLE'S INTERIOR CLEANING OPERATION, THE CONTRACTOR MUST PROVIDE A MEANS OF CAPTURING AND DISPOSING OF THE REMOVED DEBRIS. THIS METHOD SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
15. ALL EXPOSED STEEL REINFORCEMENT SHALL BE THOROUGHLY CLEANED OF ANY DETERIORATION/RUST AND COATED WITH THE PROPOSED COATING SYSTEM.
16. THE ONLY EXCAVATION NECESSARY FOR THIS PROJECT IS FOR THE REMOVAL AND REPLACEMENT OF THE MANHOLE FRAME AND COVERS. FOR THESE CASES, THE CONTRACTOR IS REQUIRED TO CALL SUNSHINE AT 1-800-432-4770 TO DETERMINE UTILITY LOCATIONS PRIOR TO EXCAVATION.
17. THERE ARE SEVERAL TERMINAL PIPES SHOWN TO BE LINED. IT'S THE CITY'S INTENT TO HAVE TERMINAL MANHOLES INSTALLED BY OTHERS PRIOR TO THE AWARD OF THIS CONTRACT.

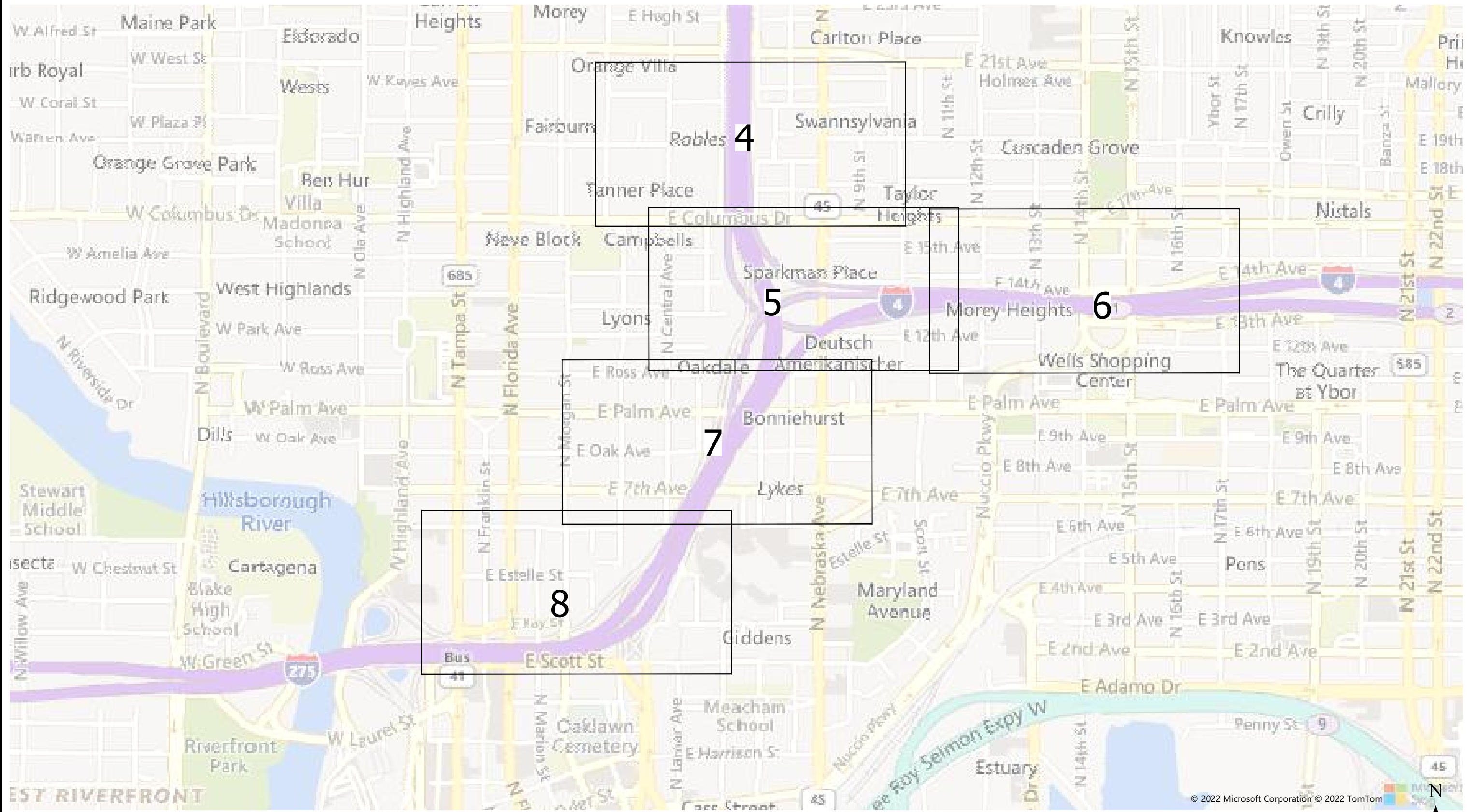
INDEX	
SHEET NUMBER	Sheet Title
1	COVER
2	NOTES AND INDEX
3	KEY MAP
4	AREA MAP 1
5	AREA MAP 2
6	AREA MAP 3
7	AREA MAP 4
8	AREA MAP 5
9	MANHOLE REHABILITATION DETAILS
10-28	WASTEWATER RECORD DRAWINGS FOR REFERENCE

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)

User: ssi4 Drawing Name: K:\WasteWater Projects\DOT Downtown Interchange Wastewater Collection System Rehabilitation by CIPP Lining\Drafting\DWG\plan.dwg Layout: Feb 10, 2023 - 10:51am JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	#	DATE	REVISIONS	DES: JK		Downtown Interchange Wastewater Collection System Rehabilitation By Cipp Lining	SHEET
	1			DRN: GP		NOTES AND INDEX	2
	2			CKD:			
	3			DATE:			

User: sst5 Drawing Name: K:\Wastewater Projects\FDOT Downtown Interchange Wastewater Collection System Rehabilitation by CIPP Lining\Drafting\DWG\plan.dwg Layout: Oct 11, 2022 - 2:51pm CIB - MONO - RED-GREEN,CIB TOSHIBA_UNL_COLOR (NORTH WING)



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

#	DATE	REVISIONS
1		
2		
3		

DES: JK
DRN: GP
CKD:
DATE:

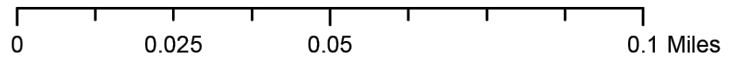
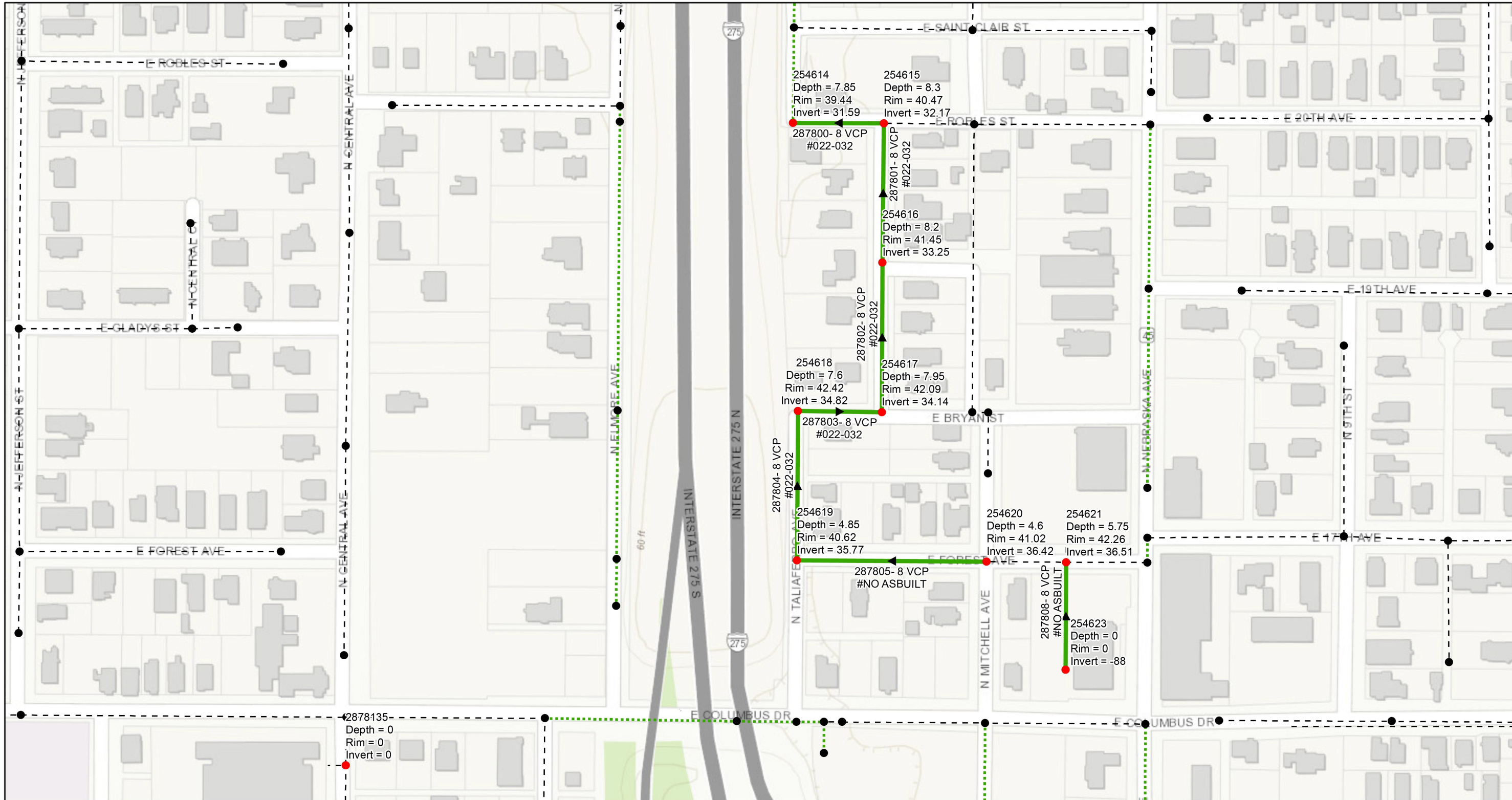
CITY of TAMPA
WASTEWATER DEPARTMENT

**Downtown Interchange Wastewater Collection System
Rehabilitation By Cipp Lining**

KEY MAP

**SHEET
3**

User: sst5 Drawing Name: K:\Wastewater Projects\FDOT Downtown Interchange Wastewater Collection System Rehabilitation by CIPP Lining\Drafting\DWG\plan.dwg
 Layout: Oct 11, 2022 - 2:51pm CIB - MONO -RED-GREEN,CIB TOSHIBA_UNL_COLOR (NORTH WING)



Legend

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



#	DATE	REVISIONS
1		
2		
3		

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

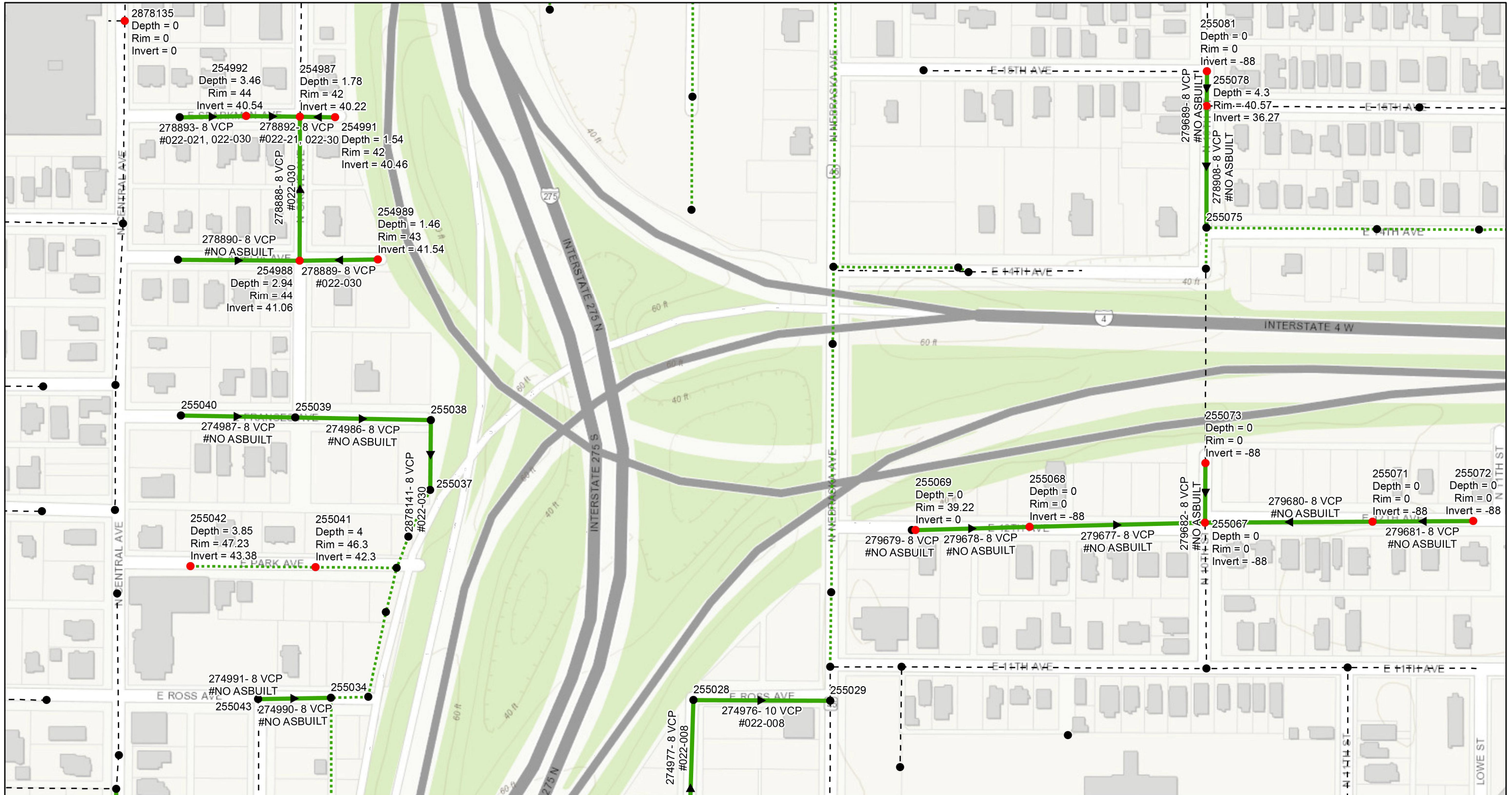
DES: JK
 DRN: GP
 CKD:
 DATE:

CITY of TAMPA
 WASTEWATER DEPARTMENT

Downtown Interchange Wastewater Collection System
 Rehabilitation By Cipp Lining
 AREA MAP 1

SHEET
 4

User: sst5 Drawing Name: K:\Wastewater Projects\FDOT Downtown Interchange Wastewater Collection System Rehabilitation by CIPP Lining\Drafting\DWG\plan.dwg
 Layout: Oct 11, 2022 - 2:51pm CTB - MONO - RED-GREEN,CTB TOSHIBA_UNL_COLOR (NORTH WING)



0 0.0275 0.055 0.11 Miles

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

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

#	DATE	REVISIONS
1		
2		
3		

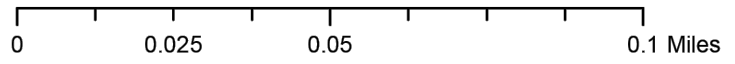
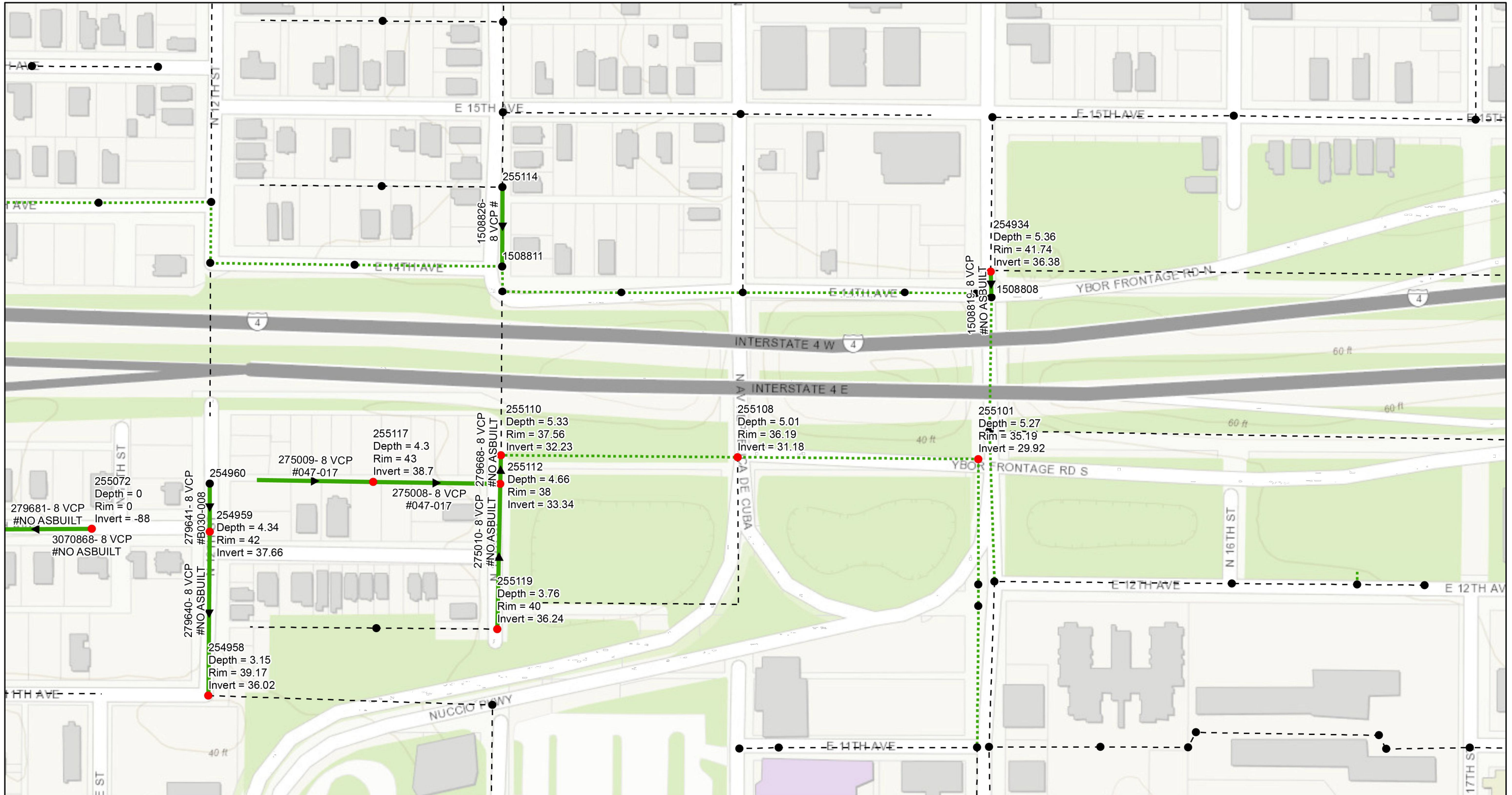
DES: JK
 DRN: GP
 CKD:
 DATE:

CITY of TAMPA
 WASTEWATER DEPARTMENT

Downtown Interchange Wastewater Collection System
 Rehabilitation By Cipp Lining
 AREA MAP 2

SHEET
 5

User: sst5 Drawing Name: K:\Wastewater Projects\FDOT Downtown Interchange Wastewater Collection System Rehabilitation by CIPP Lining\Drafting\DWG\plan.dwg
Layout: Oct 11, 2022 - 2:51pm CIB - MONO - RED-GREEN,CIB TOSHIBA_UNL_COLOR (NORTH WING)



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



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

#	DATE	REVISIONS
1		
2		
3		

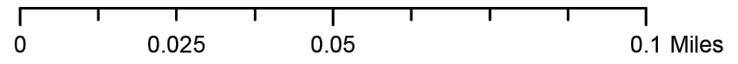
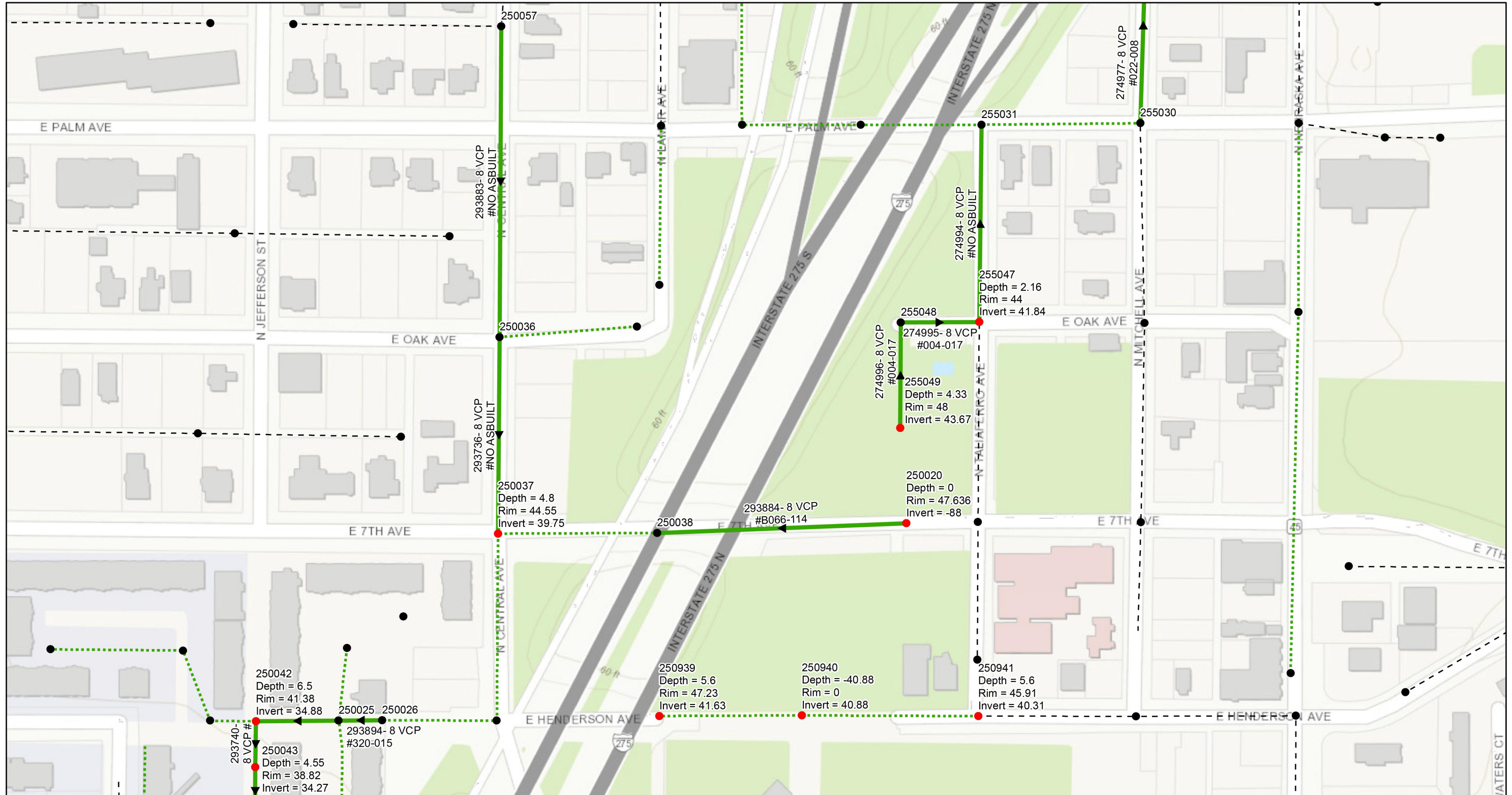
DES: JK
DRN: GP
CKD:
DATE:

CITY of TAMPA
WASTEWATER DEPARTMENT

Downtown Interchange Wastewater Collection System
Rehabilitation By Cipp Lining
AREA MAP 3

SHEET
6

User: sst5 Drawing Name: K:\Wastewater Projects\FDOT Downtown Interchange Wastewater Collection System Rehabilitation by CIPP Lining\Drafting\DWG\plan.dwg
 Layout: Oct 11, 2022 - 2:51pm CTB - MONO - RED-GREEN,CTB TOSHIBA_UNL_COLOR (NORTH WING)



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



#	DATE	REVISIONS
1		
2		
3		

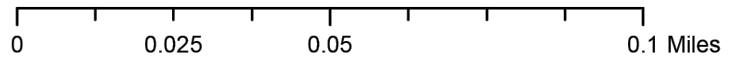
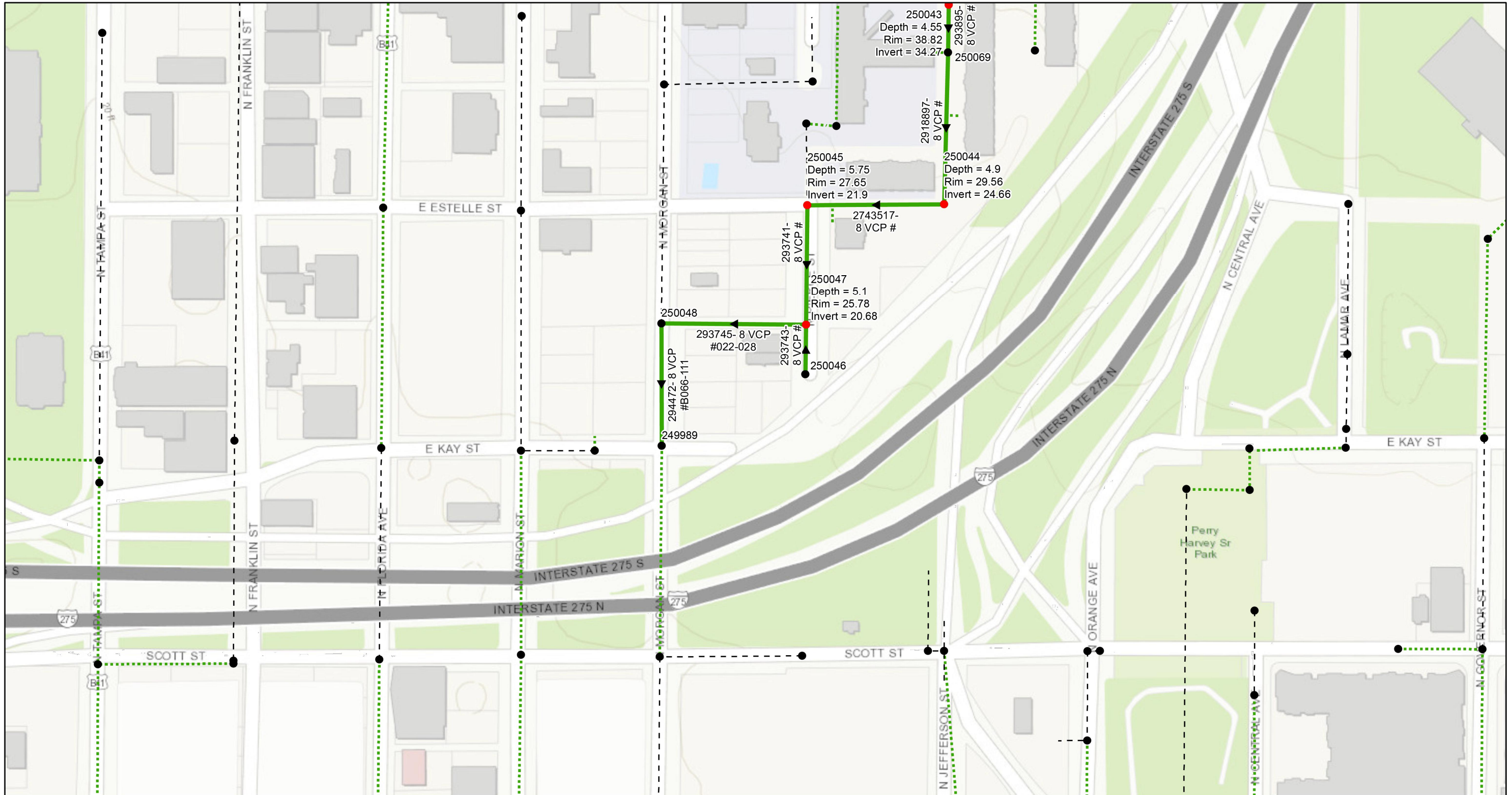
DES: JK
 DRN: GP
 CKD:
 DATE:

CITY of TAMPA
 WASTEWATER DEPARTMENT

Downtown Interchange Wastewater Collection System
 Rehabilitation By Cipp Lining
AREA MAP 4

SHEET
7

User: sst5 Drawing Name: K:\Wastewater Projects\FDOT Downtown Interchange Wastewater Collection System Rehabilitation by CIPP Lining\Drafting\DWG\plan.dwg
 Layout: Oct 11, 2022 - 2:51pm CIB - MONO - RED-GREEN,CIB TOSHIBA_UNL_COLOR (NORTH WING)



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



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

#	DATE	REVISIONS
1		
2		
3		

DES: JK
 DRN: GP
 CKD:
 DATE:

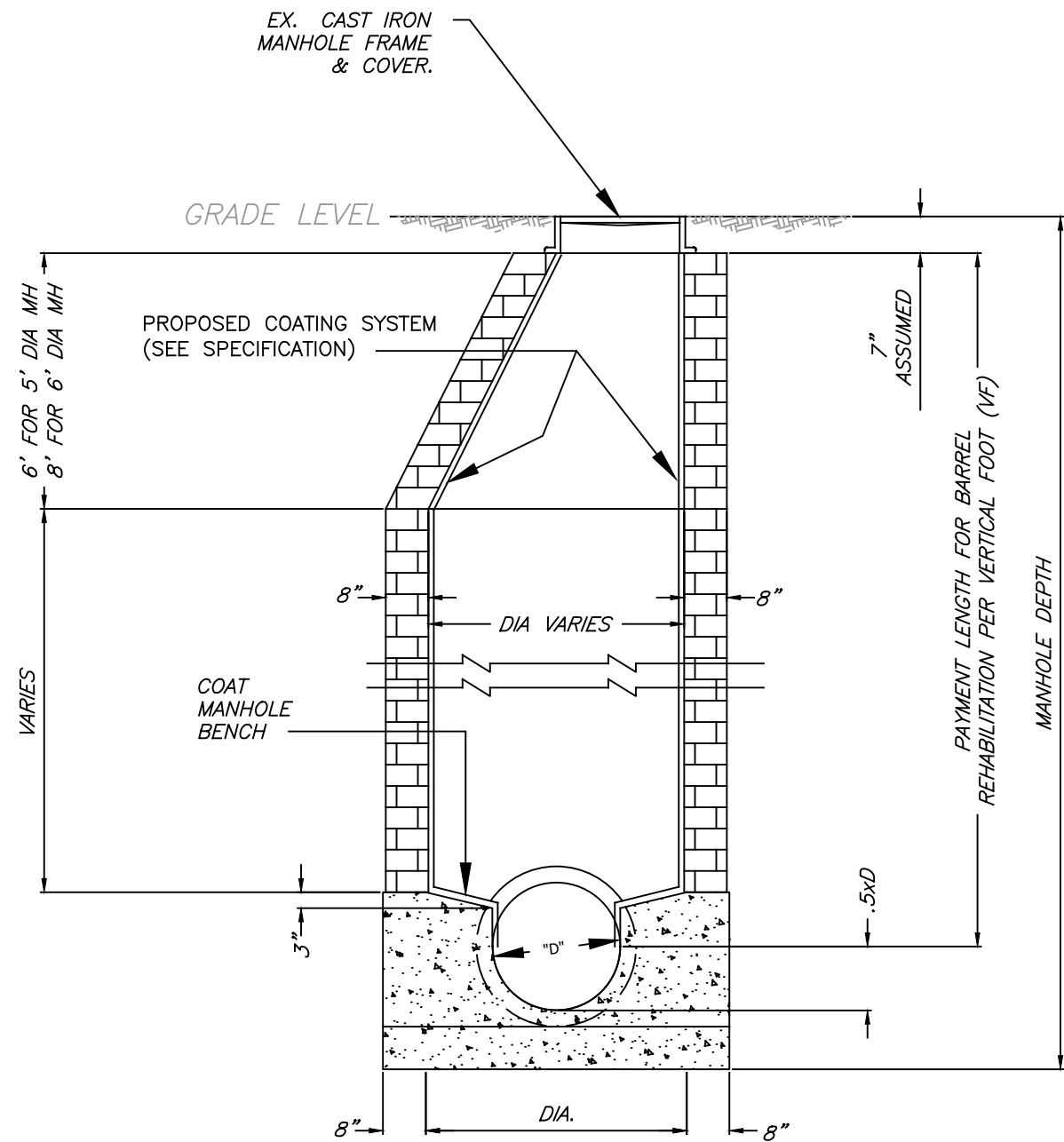
CITY of TAMPA
 WASTEWATER DEPARTMENT

Downtown Interchange Wastewater Collection System
 Rehabilitation By Cipp Lining
AREA MAP 5

SHEET
8

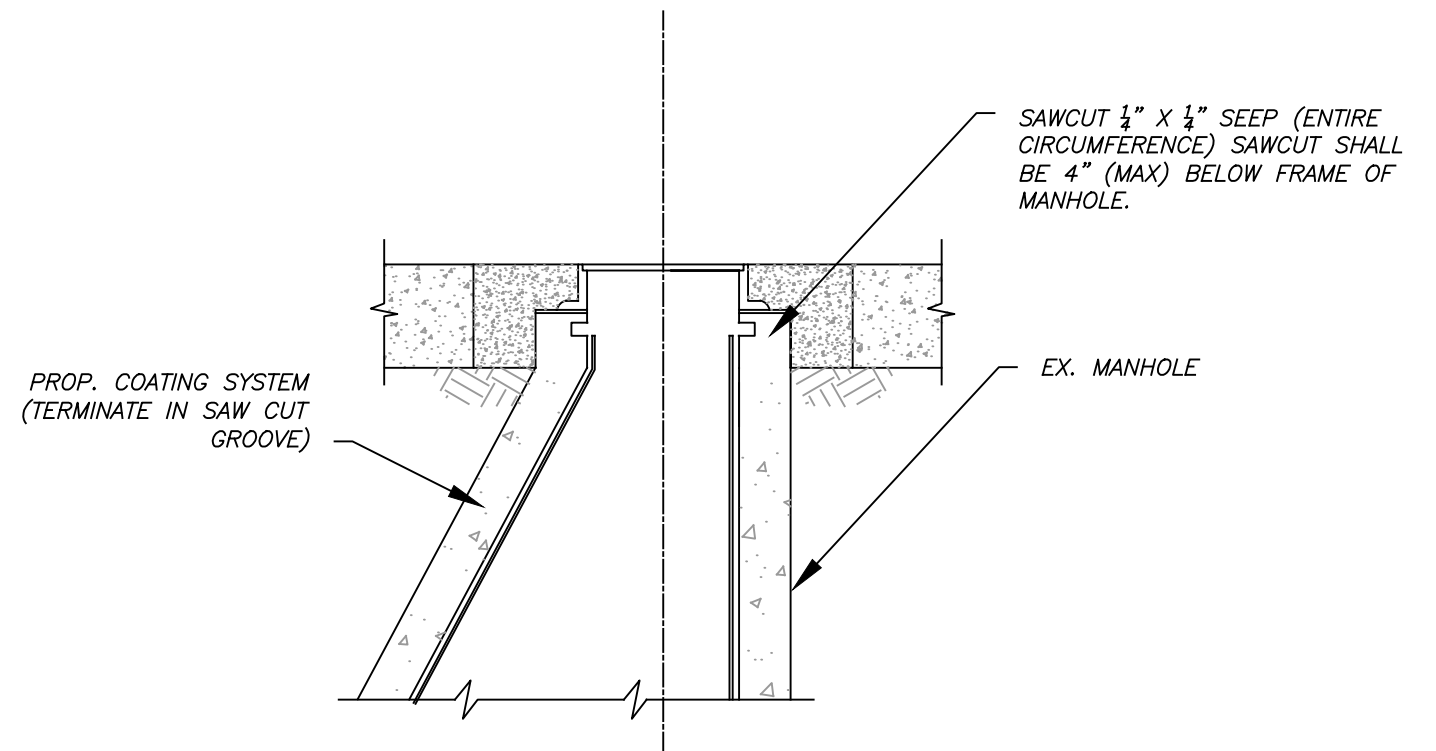
NOTES

- 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

NOT TO SCALE

User: sst5 Drawing Name: K:\Wastewater Projects\FDOT Downtown Interchange Wastewater Collection System Rehabilitation by CIPP Lining\Drafting\DWG\plan.dwg Layout- Oct 11, 2022 - 2:51pm

#	DATE	REVISIONS
1		
2		
3		

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

DES: JK
DRN: GP
CKD:
DATE:

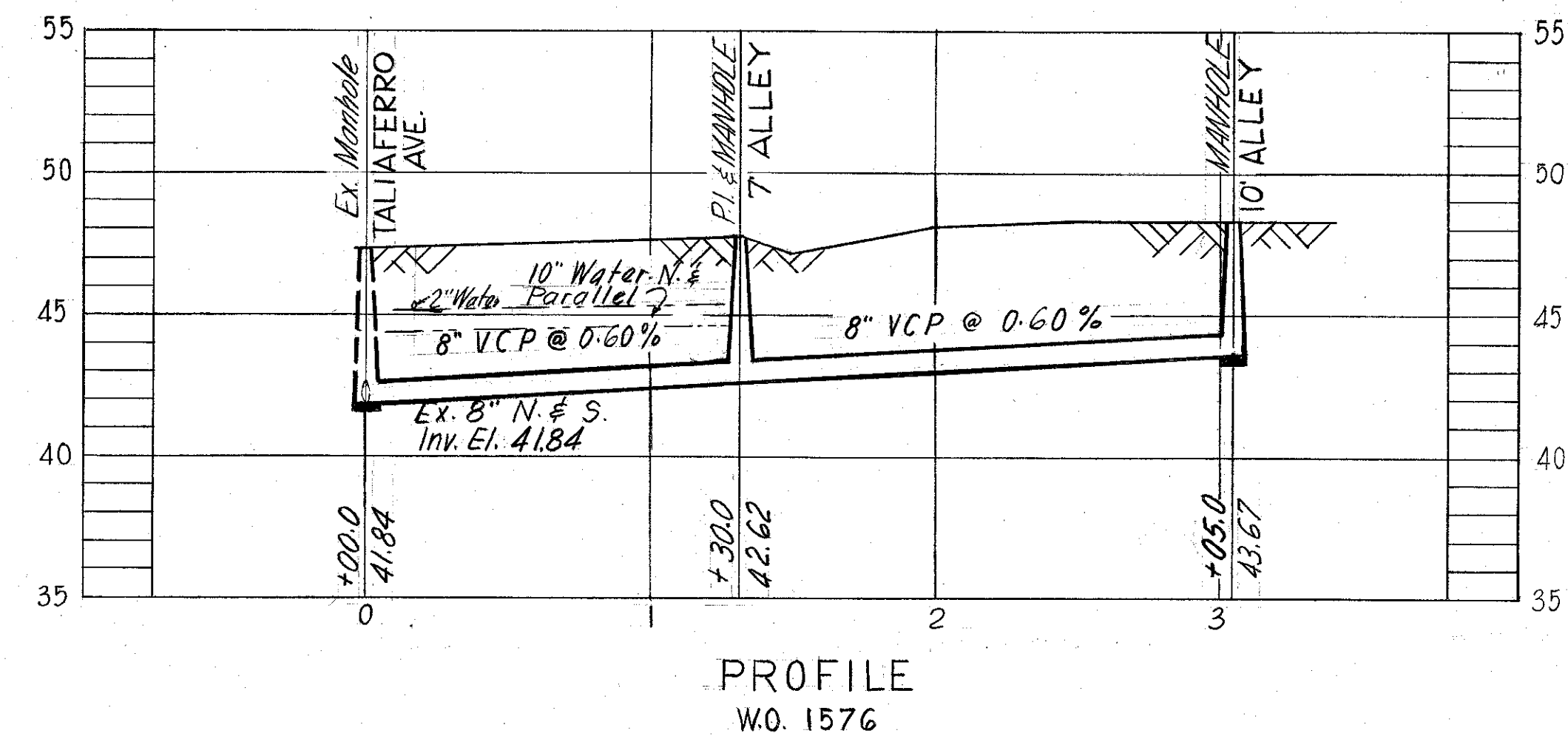
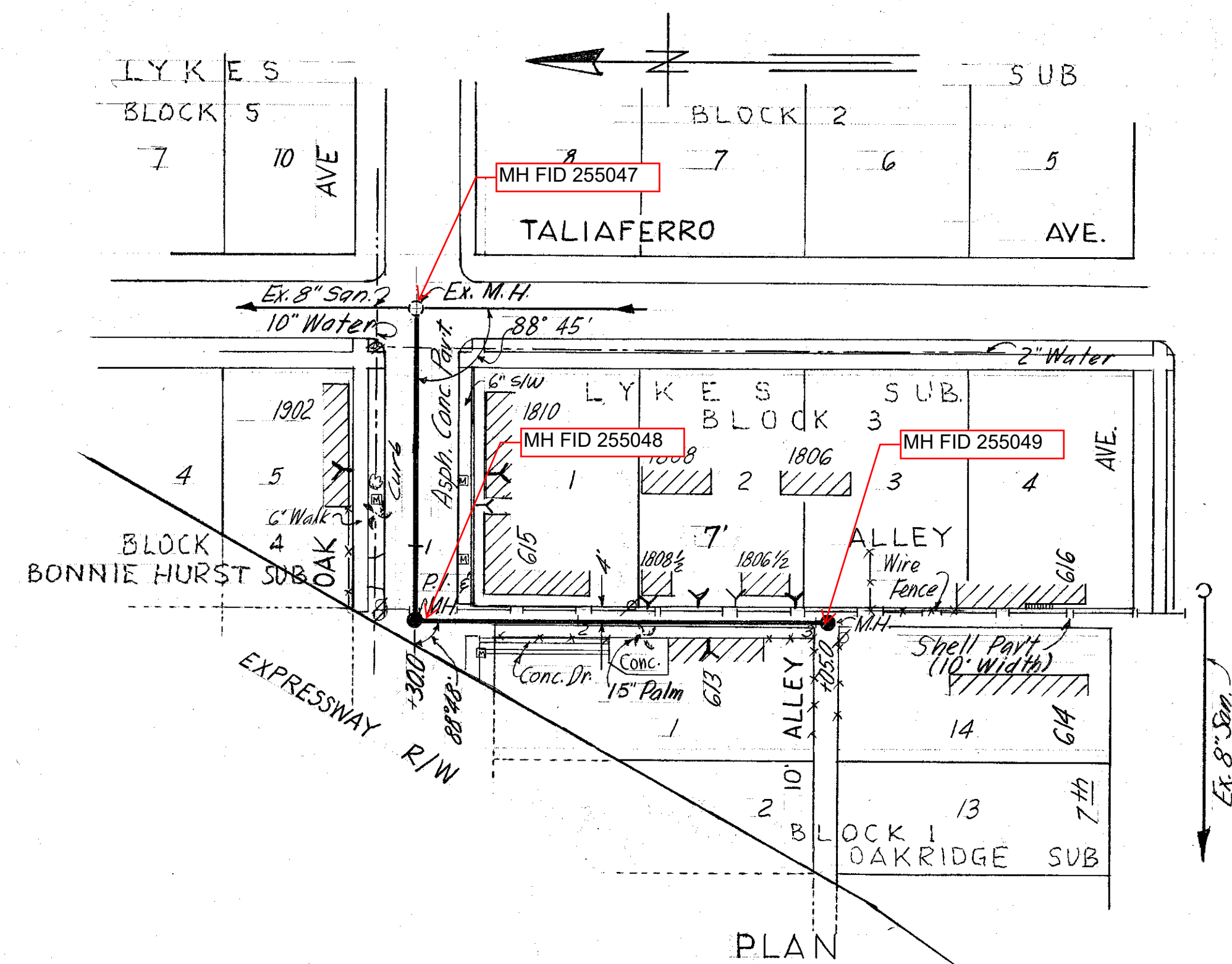
CITY of TAMPA
WASTEWATER DEPARTMENT

Downtown Interchange Wastewater Collection System
Rehabilitation By Cipp Lining

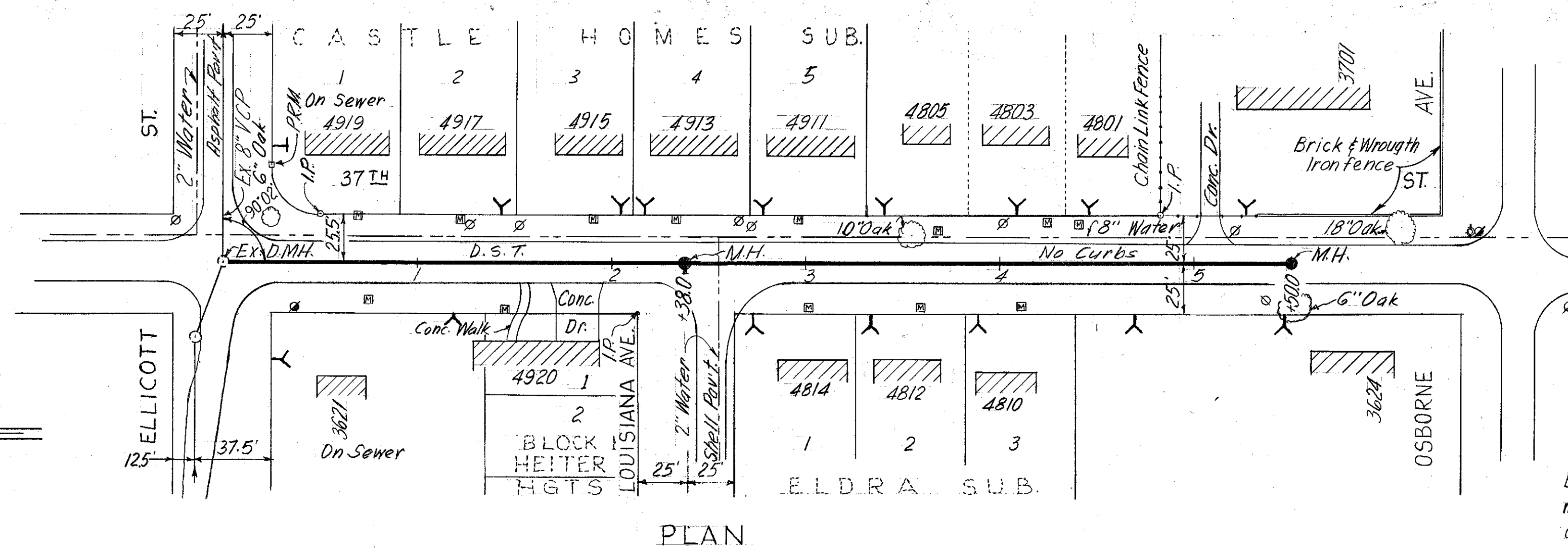
MANHOLE REHABILITATION DETAILS

SHEET

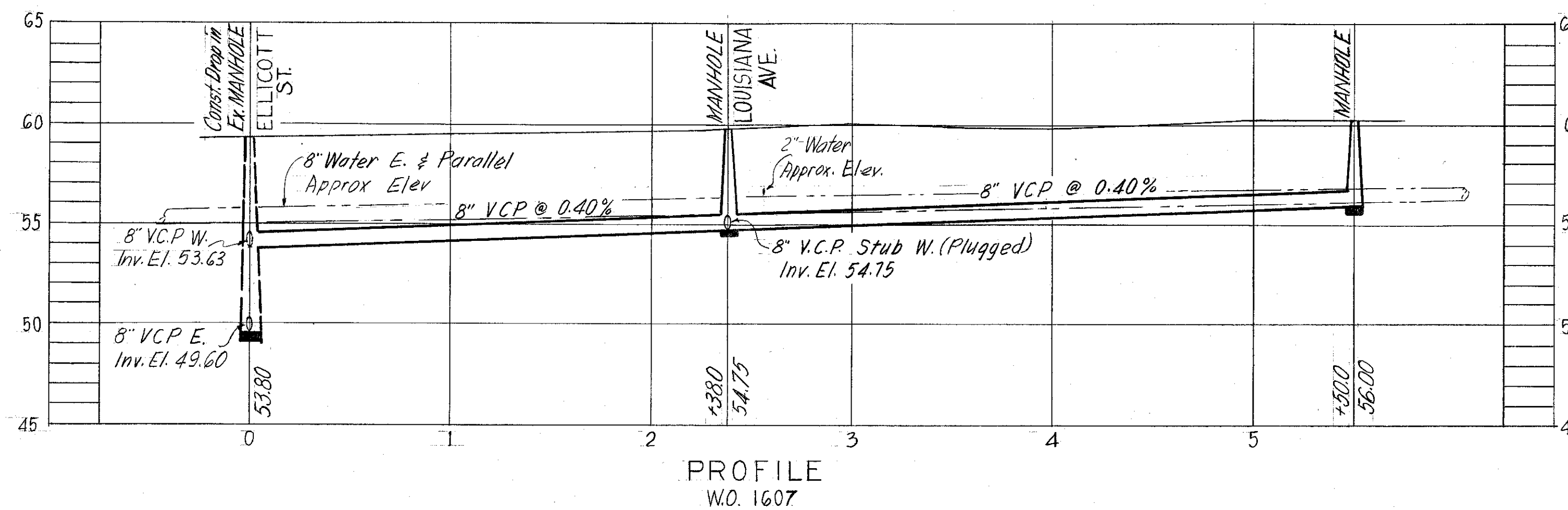
9



T.B.M. used: N.W. bolt on fire hydrant @ S.W. corner of Central & Oak Aves. Elev. 48.615



B.M. used A-10-3-10; Elev. 59.669 nail in power pole @ N.E. corner of 37th St. & Elliccott St.



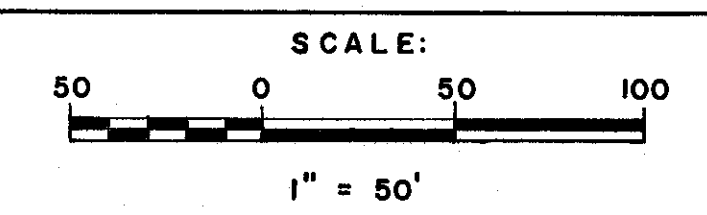
R & R No. 44 W.O. 1576 W.O. 1607

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT

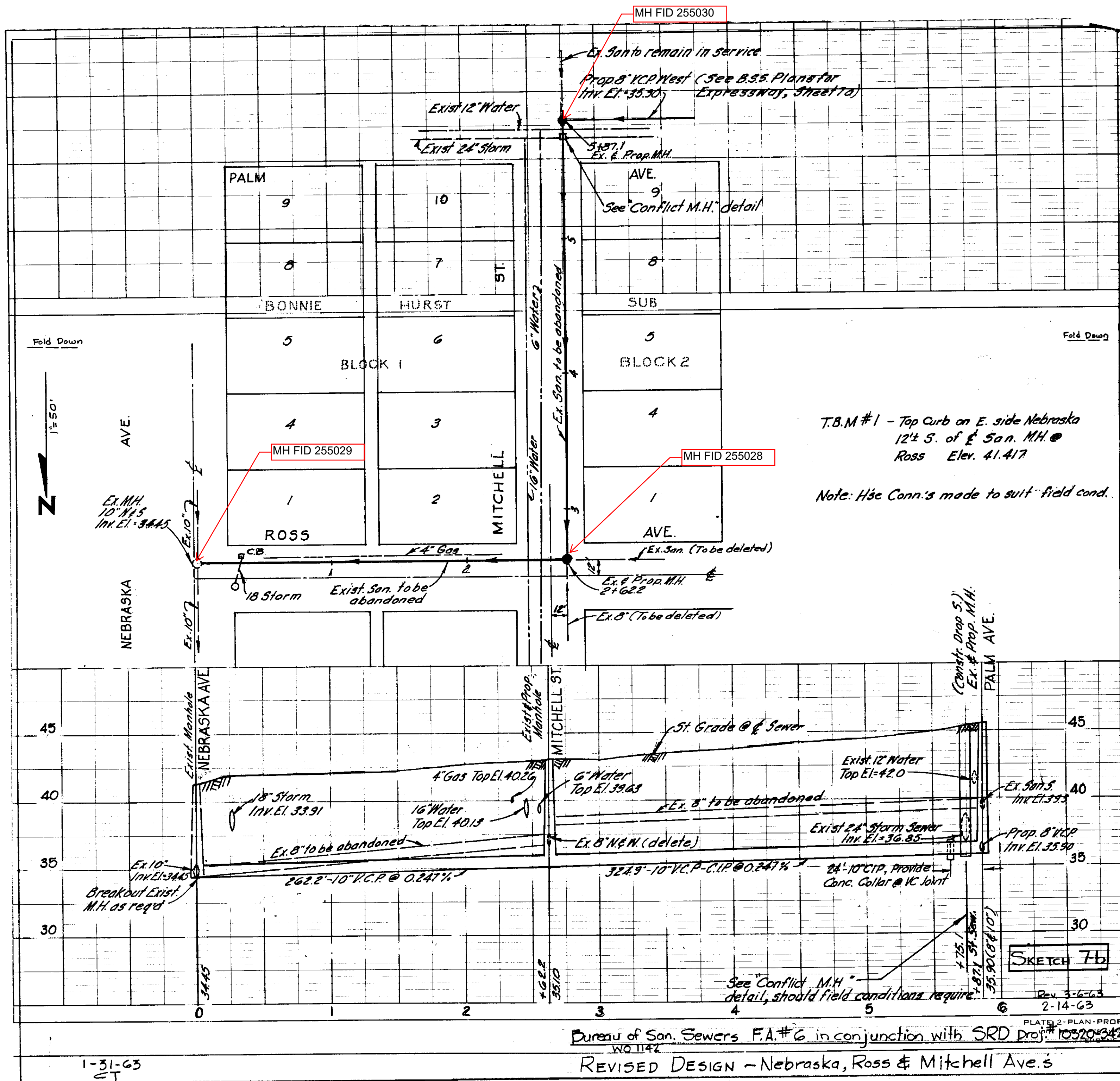
SEWER IMPROVEMENTS

OAK AVENUE & ALLEY WEST OF
TALIAFERRO AVENUE:
Taliaferro Ave. to Alley north of 7th Ave.
37th ST.: Elliccott St. to Osborne Ave.

DES: JMR
DRN: JMR
CKD: CMT
DATE:
AUG. 1963

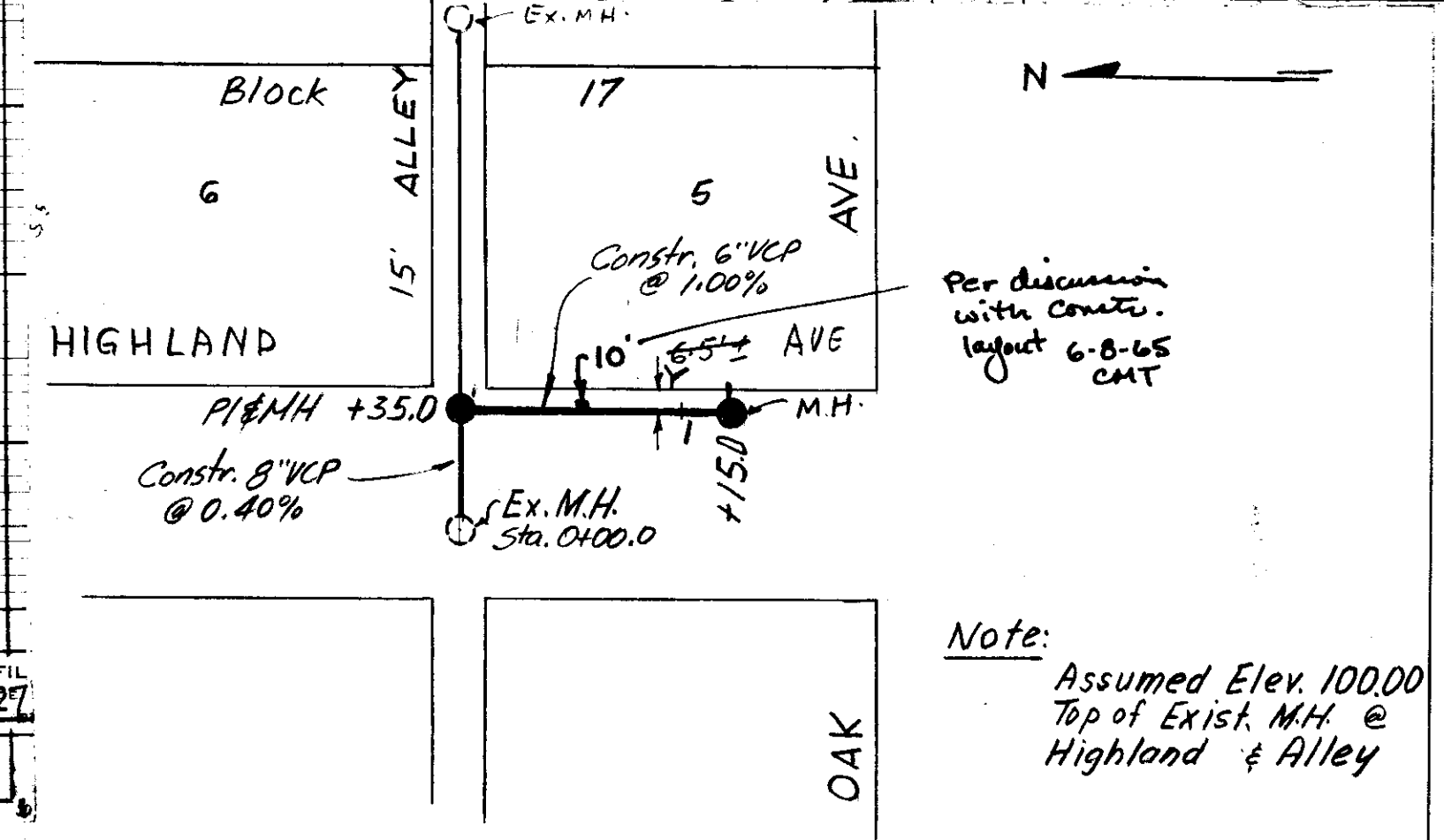
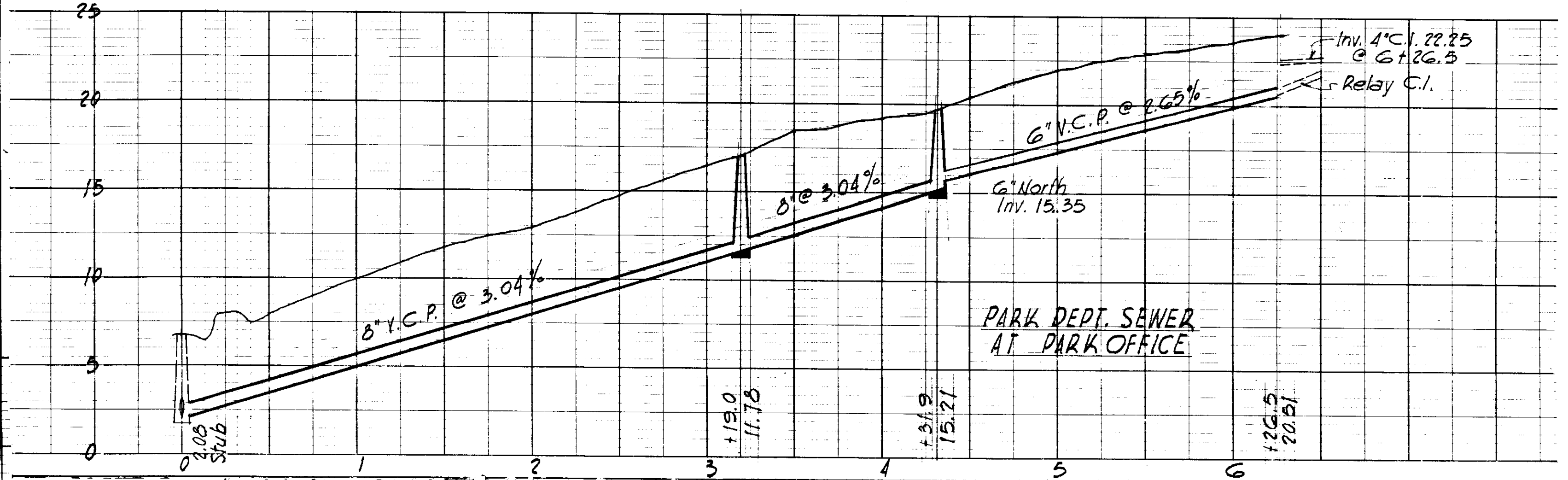


SHEET
3
OF 3

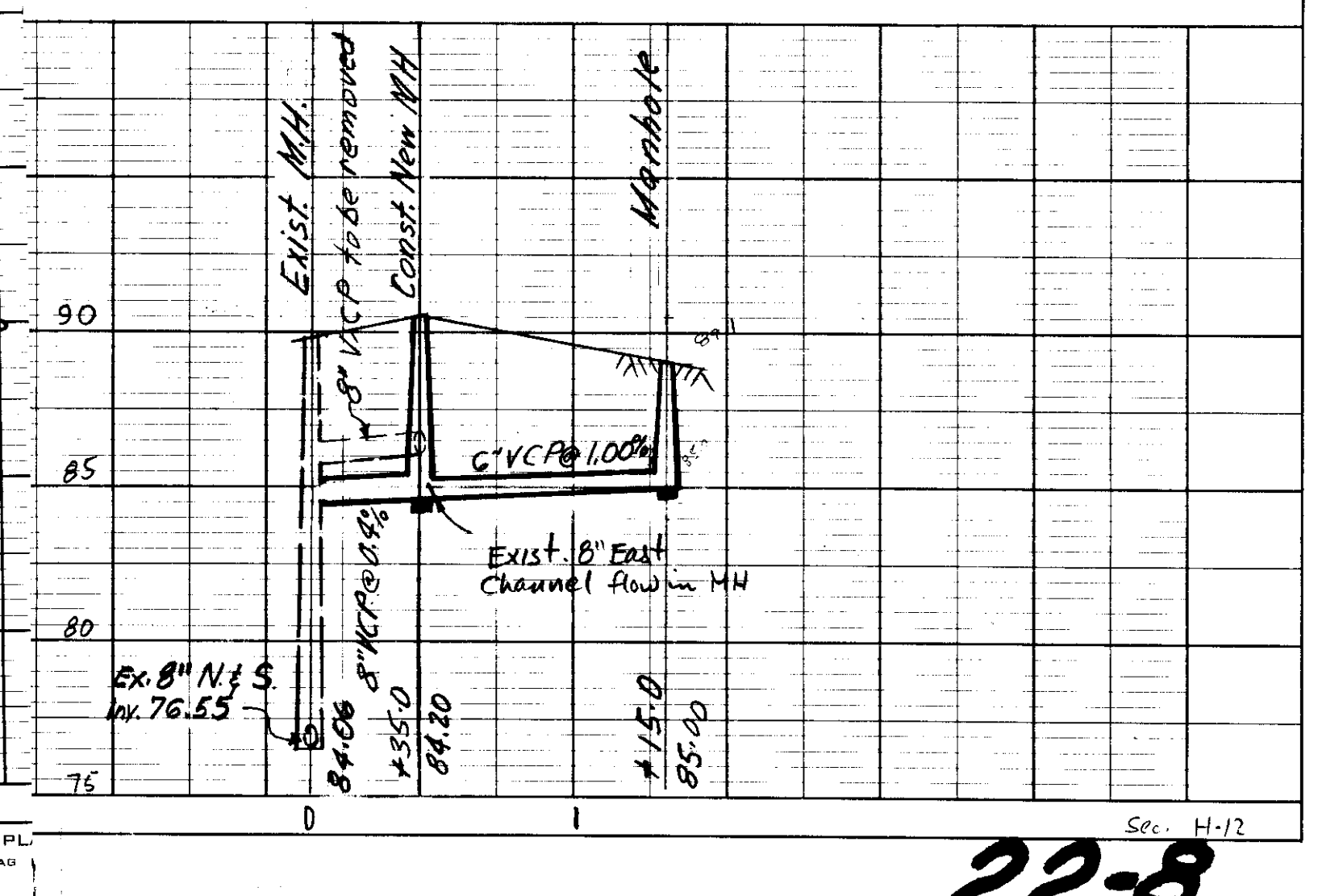
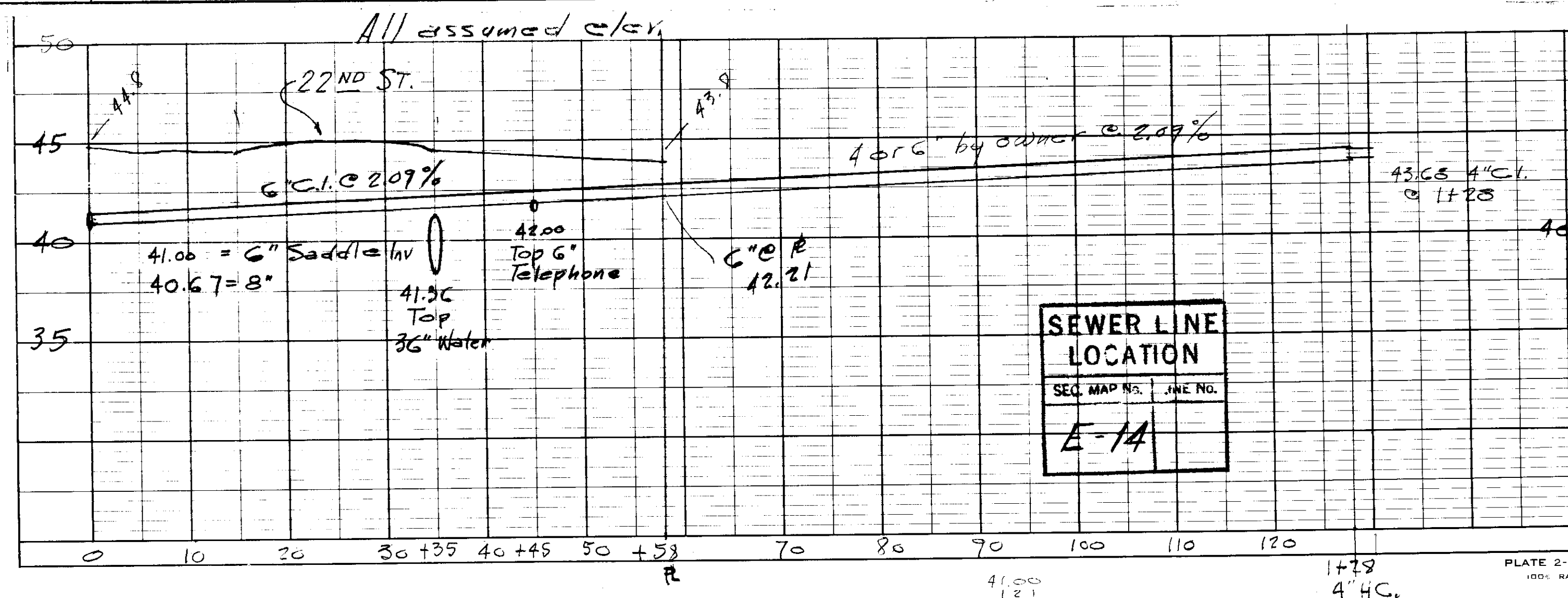


T.B.M #1 - Top Curb on E. side Nebraska
 12' S. of E. San. MH @
 Ross Elev. 41.417

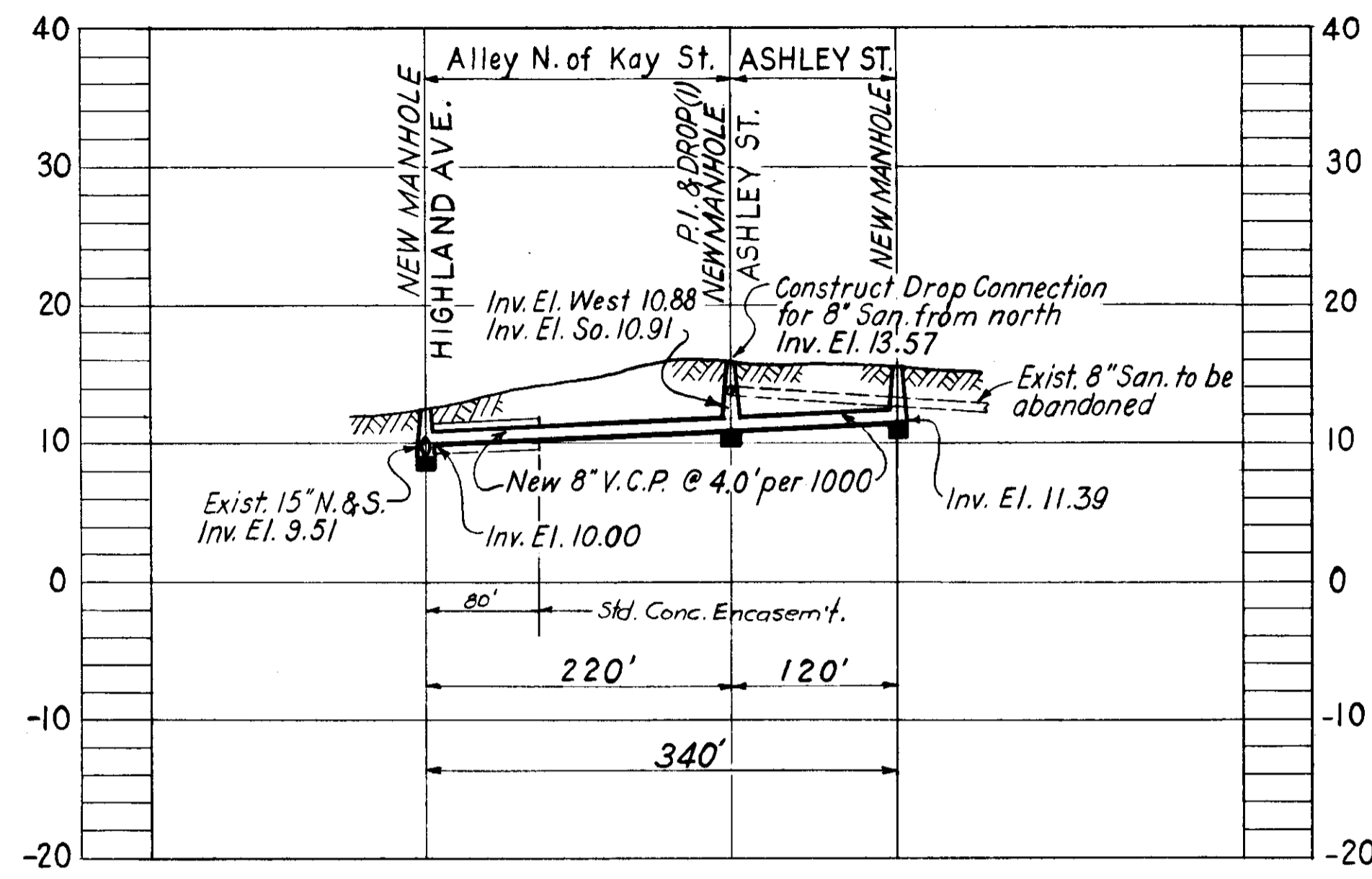
Note: Hse Conn.'s made to suit field cond.



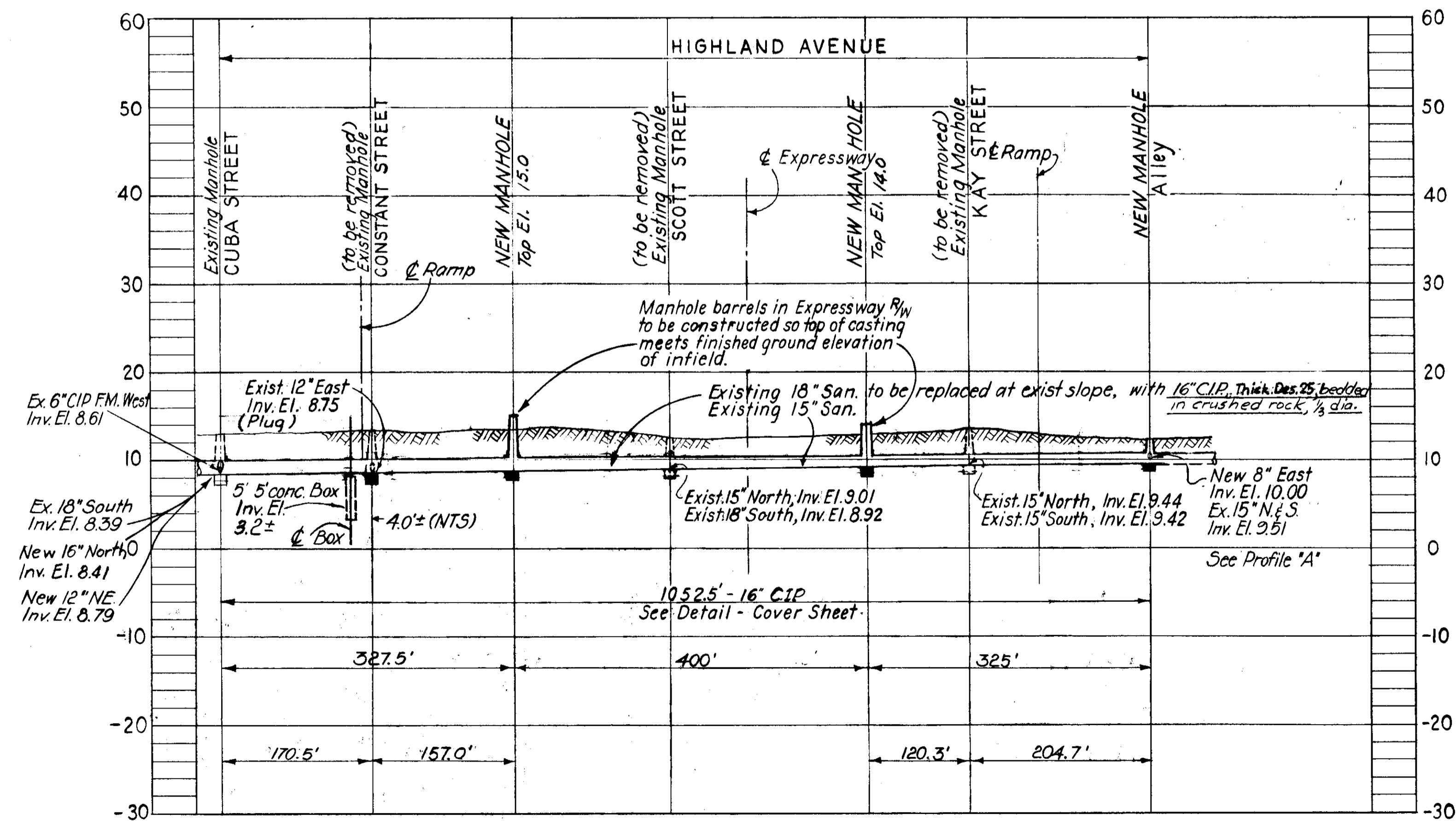
Note: Assumed Elev. 100.00
 Top of Exist. MH @
 Highland & Alley



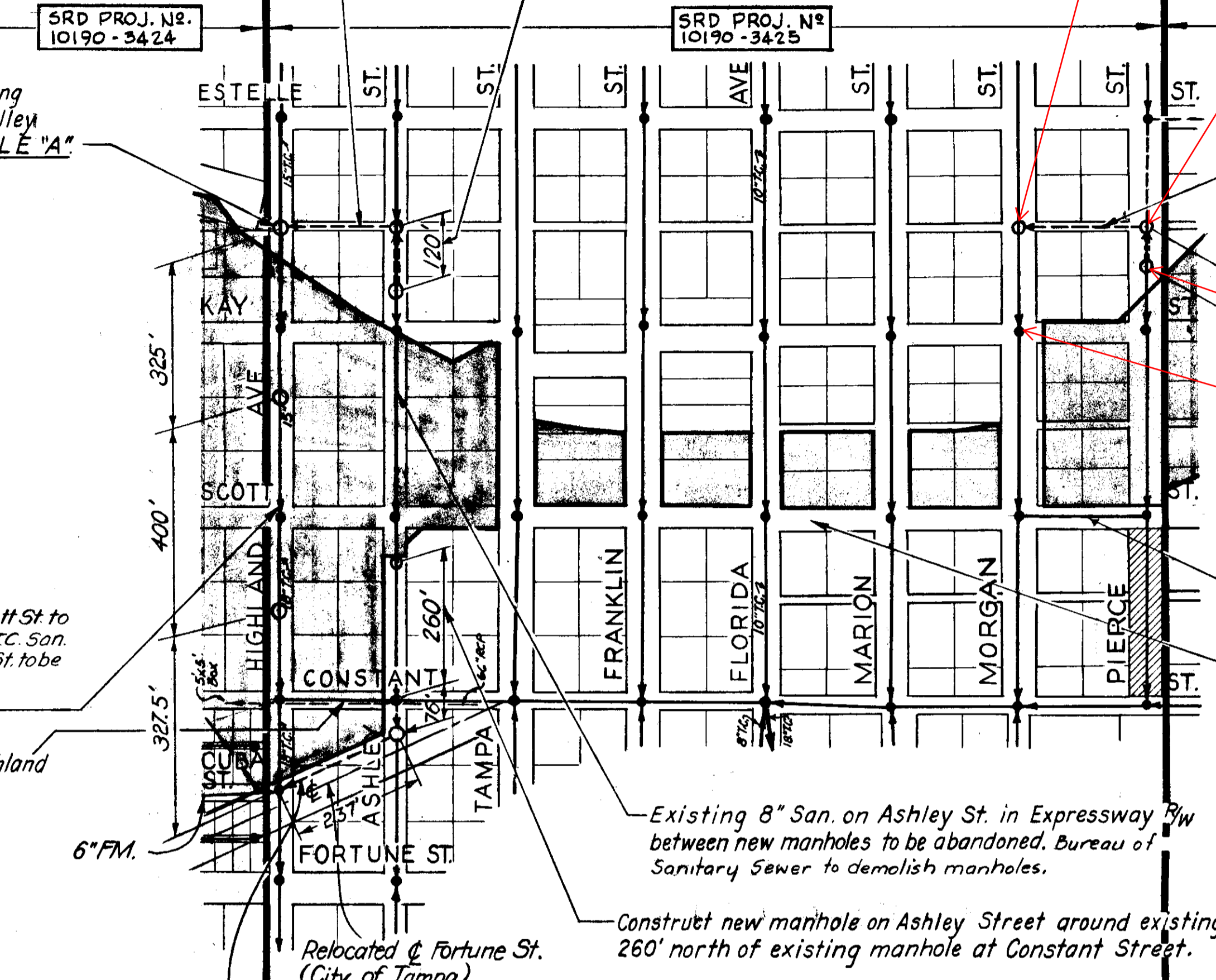
22-8
 W.O. 1567



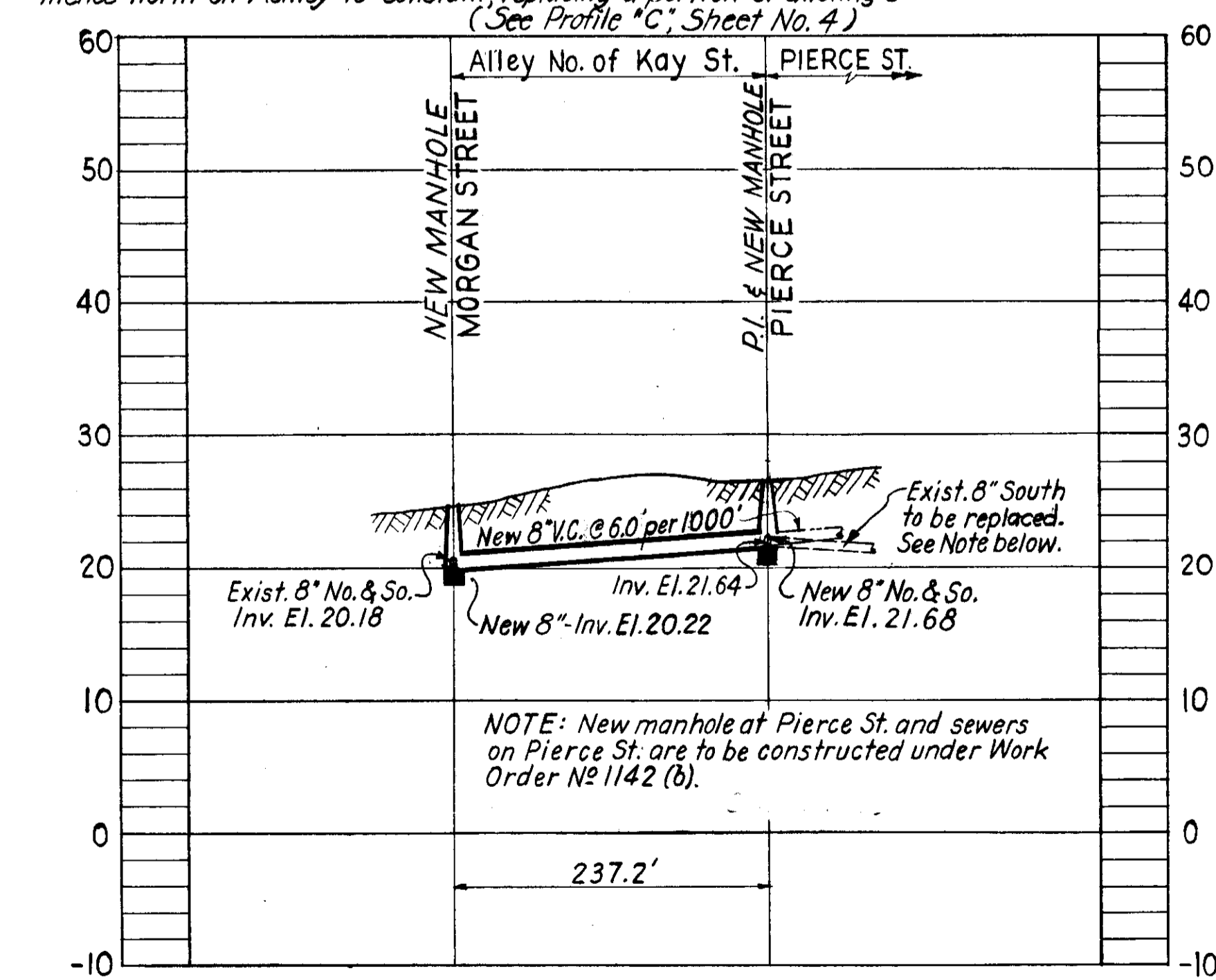
PROFILE "A"



PROFILE "B"



LOCATION PLAN



PROFILE "C"

Construct new 8" San. in alley between new manholes at ϕ of Highland Ave. and Ashley St. See PROFILE "A"

Construct new 8" San. on Ashley St. between new manhole at alley north of Kay St. and new manhole 120' south. Install drop (1) connection for existing 8" San. from north. See Profile "A"

Construct new manhole around existing 15" San. on Highland Avenue at alley north of Kay Street. See PROFILE "A"

Exist. 18" TC San. from Cuba St. to Scott St. to be replaced with 16" C.I.P. and Exist. 15" TC San. from Scott St. to alley north of Kay St. to be replaced with 16" C.I.P. See PROFILE "B"

Exist. 12" San. on Constant St. from Highland to Ashley to be abandoned. (Average Cut: 4-6 Ft.)

New manhole to be constructed at alley around existing 8" San. on Morgan St. New 8" San. to be constructed in alley from this manhole east to new manhole on Pierce St. See PROFILE "C" - also PROFILE "A", sheet 6

NOTE: 8" VCP Conn. relative to R/W Closure south of Scott on Pierce and service prior to Expressway construction north of Scott on Pierce. (Not incl.)
NOTE: Existing sanitary sewers on Tampa St., Franklin St., Florida Ave., Marion St. and Morgan St. to remain in place.

Existing 8" San. on Ashley St. in Expressway R/W between new manholes to be abandoned. Bureau of Sanitary Sewer to demolish manholes.

Construct new manhole on Ashley Street around existing 8" San. 260' north of existing manhole at Constant Street.

Relocated ϕ Fortune St. (City of Tampa)
Construct new 12" VCP on relocated Fortune St. from existing manhole at Cuba and Highland to Ashley, thence north on Ashley to Constant replacing a portion of existing 8" (See Profile "C", Sheet No. 4)

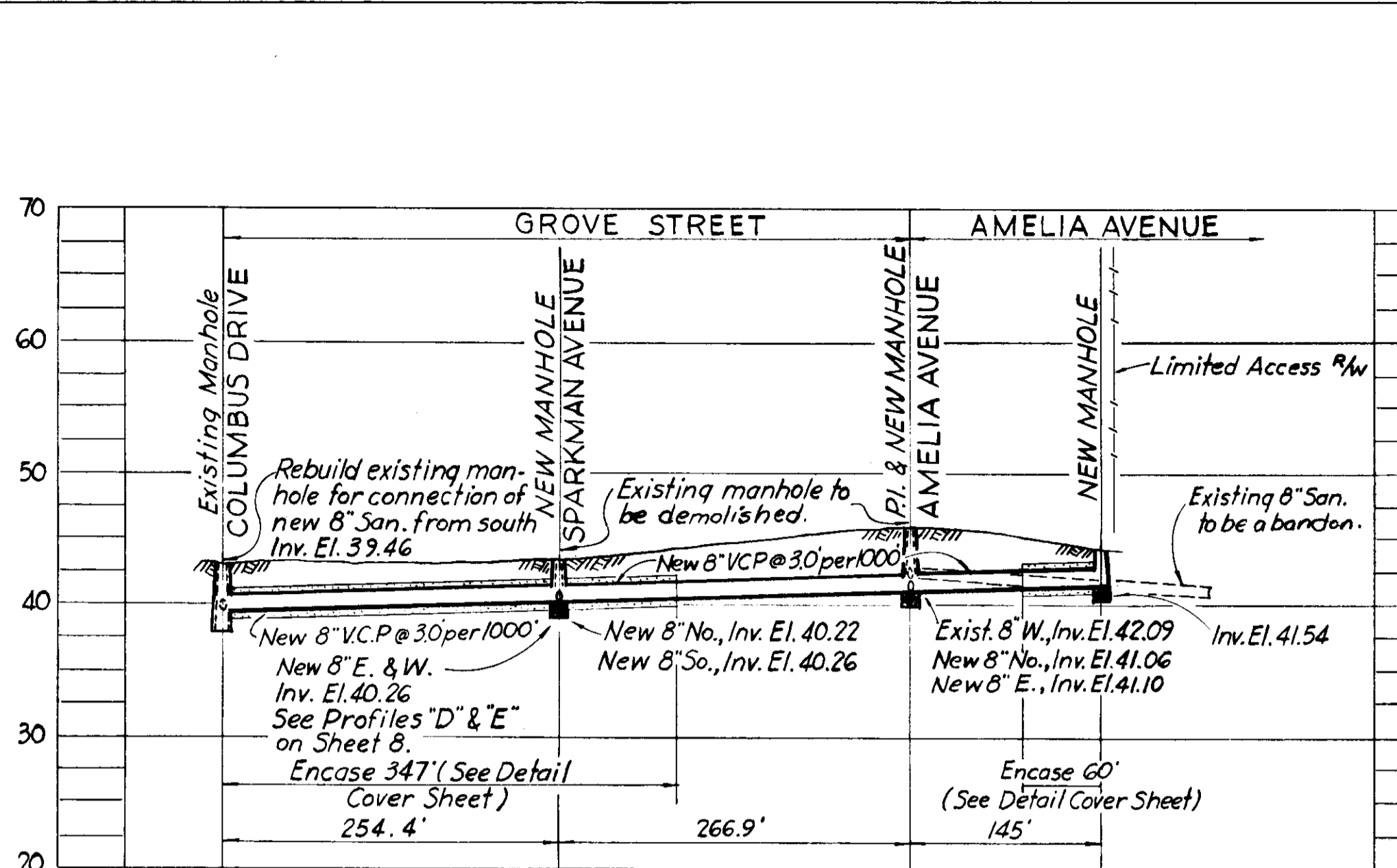
NOTE: New manhole at Pierce St. and sewers on Pierce St. are to be constructed under Work Order No 1142 (b).

NOTES

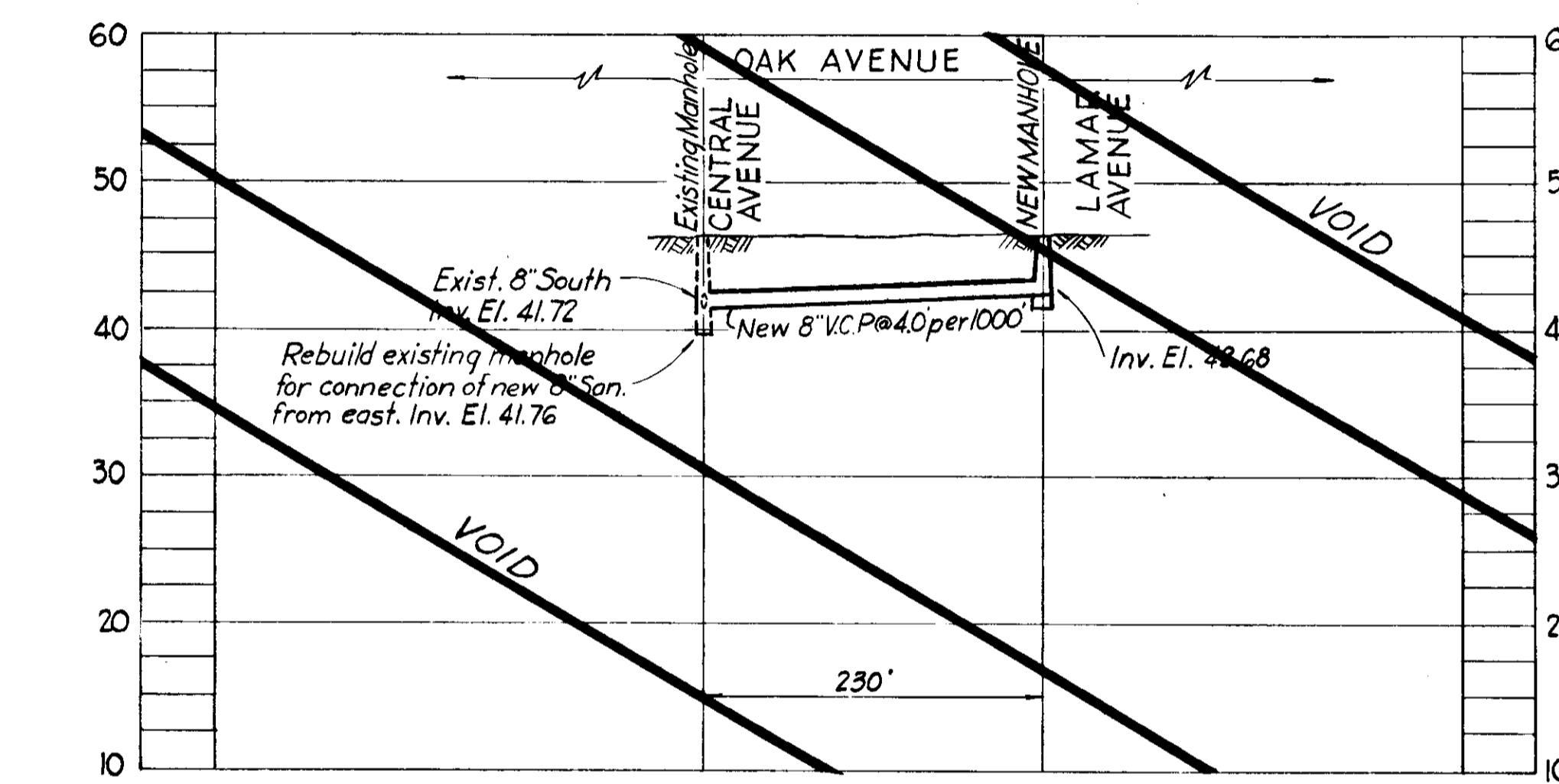
1. See Cover Sheet for General Notes and Encasement Detail.
2. This section comes under Bureau of Sanitary Sewers Work Order No 1142 (b)

CITY OF TAMPA, FLORIDA BUREAU OF SANITARY SEWERS		
MODIFICATIONS DUE TO EXPRESSWAY SYSTEM		
HIGHLAND AVENUE TO PIERCE STREET IN CONJUNCTION WITH S.R.D. PROJECT NO 10190-3425		
DES: R.M.U. DR: R.M.U. CKD: C.M.T. DATE Nov., 1962	SCALES LOCATION PLAN: 1" = 200' PROFILES: HORIZ: 1" = 100' VERT: 1" = 10'	SHEET 5 OF 14

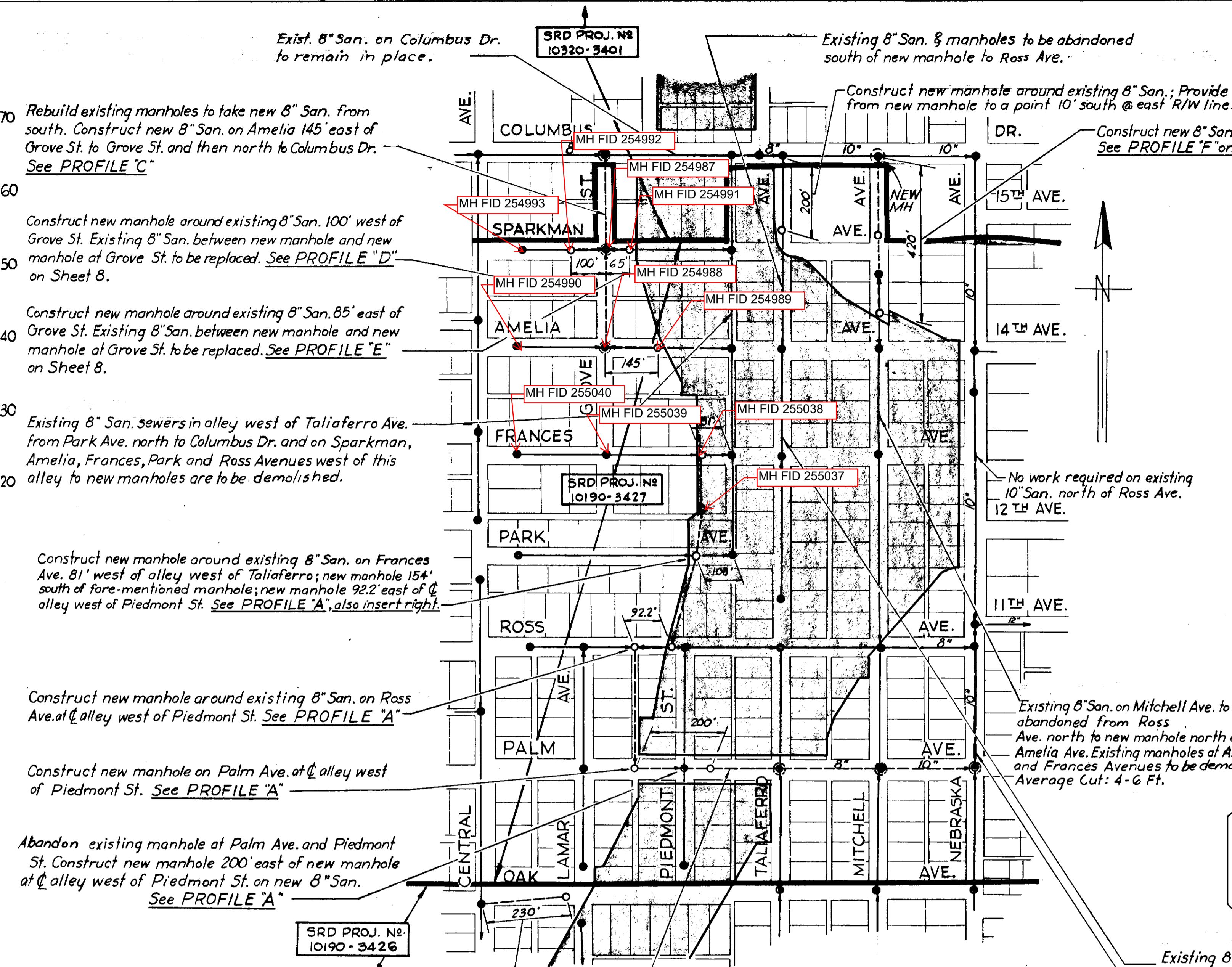
Ex. F.A. #C



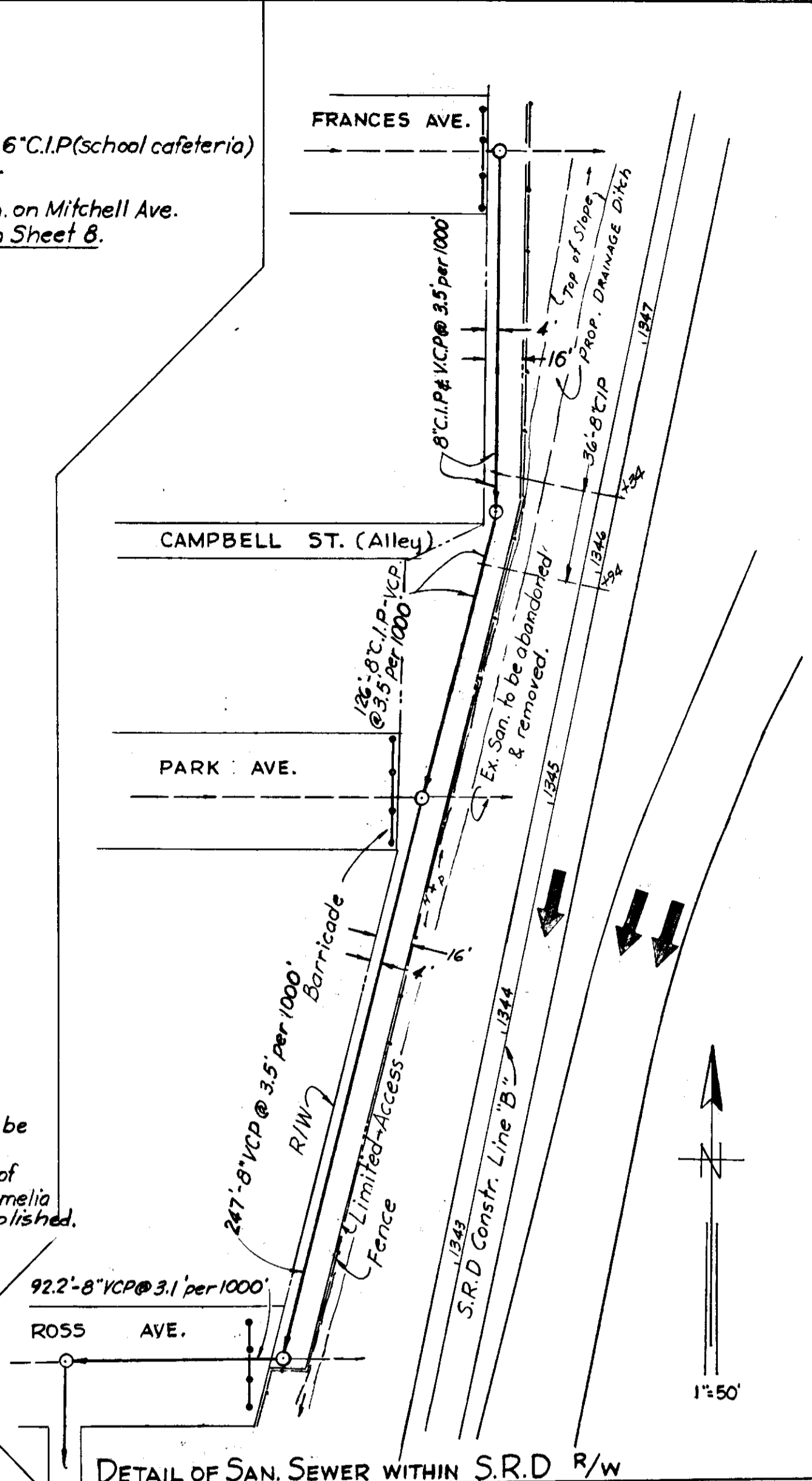
PROFILE "C"



PROFILE "A"



LOCATION PLAN



DETAIL OF SAN. SEWER WITHIN S.R.D. R/W

SRD PROJ. NO. 10320-3401

SRD PROJ. NO. 10190-3427

SRD PROJ. NO. 10190-3426

Construct new manhole around existing 8" San. 100' west of Grove St. Existing 8" San. between new manhole and new manhole at Grove St. to be replaced. See PROFILE "D" on Sheet 8.

Construct new manhole around existing 8" San. 85' east of Grove St. Existing 8" San. between new manhole and new manhole at Grove St. to be replaced. See PROFILE "E" on Sheet 8.

Existing 8" San. sewers in alley west of Taliaferro Ave. from Park Ave. north to Columbus Dr. and on Sparkman, Amelia, Frances, Park and Ross Avenues west of this alley to new manholes are to be demolished.

Construct new manhole around existing 8" San. on Frances Ave. 81' west of alley west of Taliaferro; new manhole 154' south of fore-mentioned manhole; new manhole 92.2' east of alley west of Piedmont St. See PROFILE "A", also insert right.

Construct new manhole around existing 8" San. on Ross Ave. at alley west of Piedmont St. See PROFILE "A"

Construct new manhole on Palm Ave. at alley west of Piedmont St. See PROFILE "A"

Abandon existing manhole at Palm Ave. and Piedmont St. Construct new manhole 200' east of new manhole at alley west of Piedmont St. on new 8" San. See PROFILE "A"

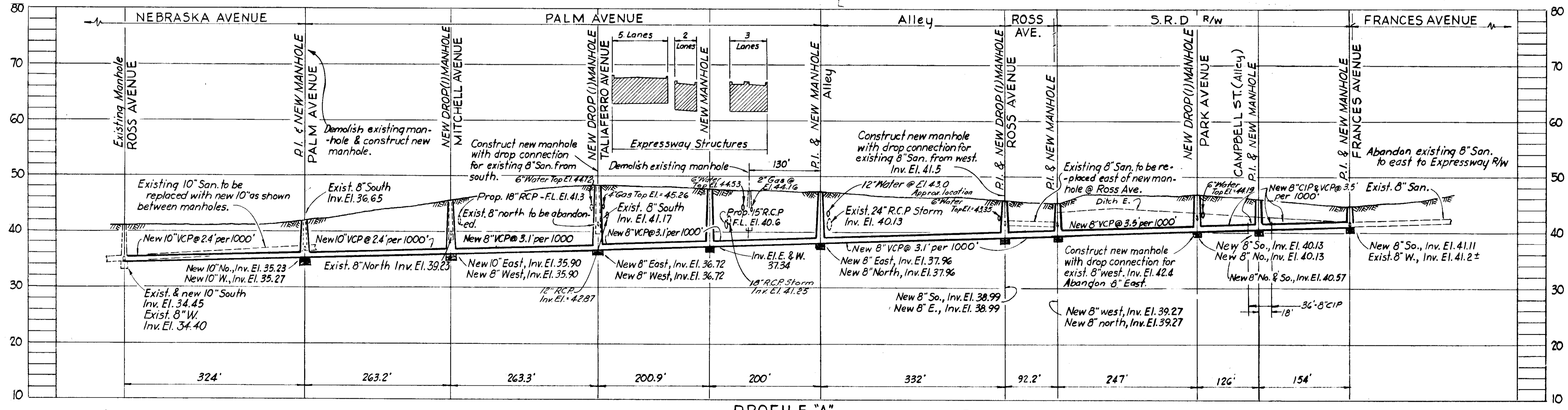
Construct new manhole on Oak Ave. 230' east of existing manhole at Central Ave. and new 8" San. as shown. See PROFILE "A", Sheet 6

Construct new San. from Frances Ave. southwesterly along west Expressway R/W to Palm Ave. at alley west of Piedmont St., thence east to Nebraska Ave. as shown. Existing manholes at Taliaferro and Mitchell Aves. to be replaced by new manholes. See PROFILE "A"

Existing 8" San. on Mitchell Ave. to be abandoned from Ross Ave. north to new manhole north of Amelia Ave. Existing manholes at Amelia and Frances Avenues to be demolished. Average Cut: 4-6 Ft.

Existing 8" San. on Taliaferro Ave. to be abandoned from new manhole south of Columbus Dr. to end manhole south of Park Ave. Manholes at Amelia and Frances Avenues and end manhole to be demolished.

Replace existing 10" San. on Nebraska Ave. from Ross to Palm Avenue with new 10" San. Replace existing manhole at Palm Ave. with new manhole. See PROFILE "A"



PROFILE "A"

- NOTES
1. See Cover Sheet for General Notes & Encasement Detail.
 2. This section comes under Bureau of Sanitary Sewers Work Order No 1142(d)
 3. See Sheet 8 for Profiles "D", "E" & "F"

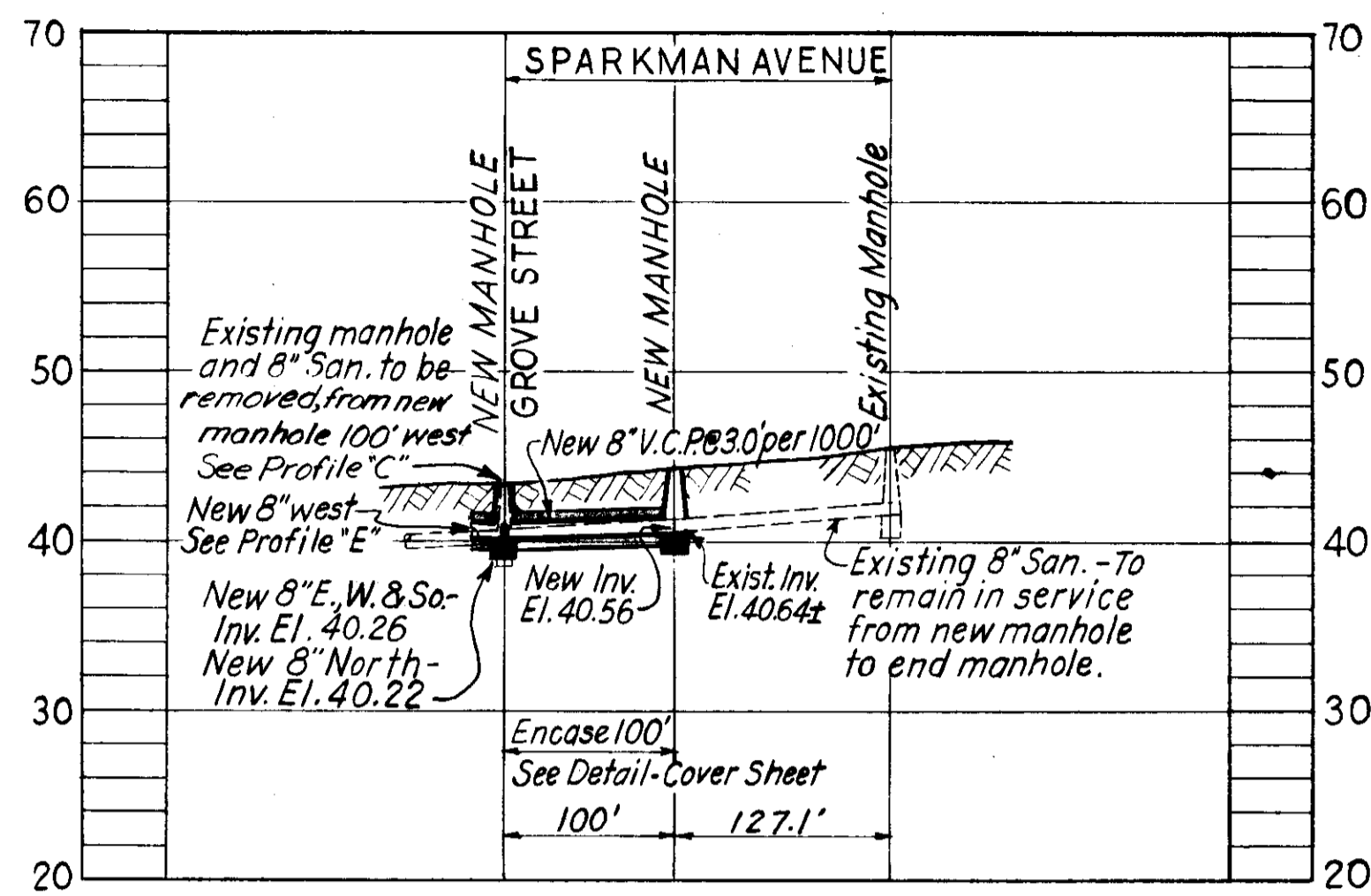
Note:
New manholes and sewers in and south of Columbus Dr. included in Bureau of San. Sewers W.O. 1142(d)

CITY OF TAMPA, FLORIDA
BUREAU OF SANITARY SEWERS

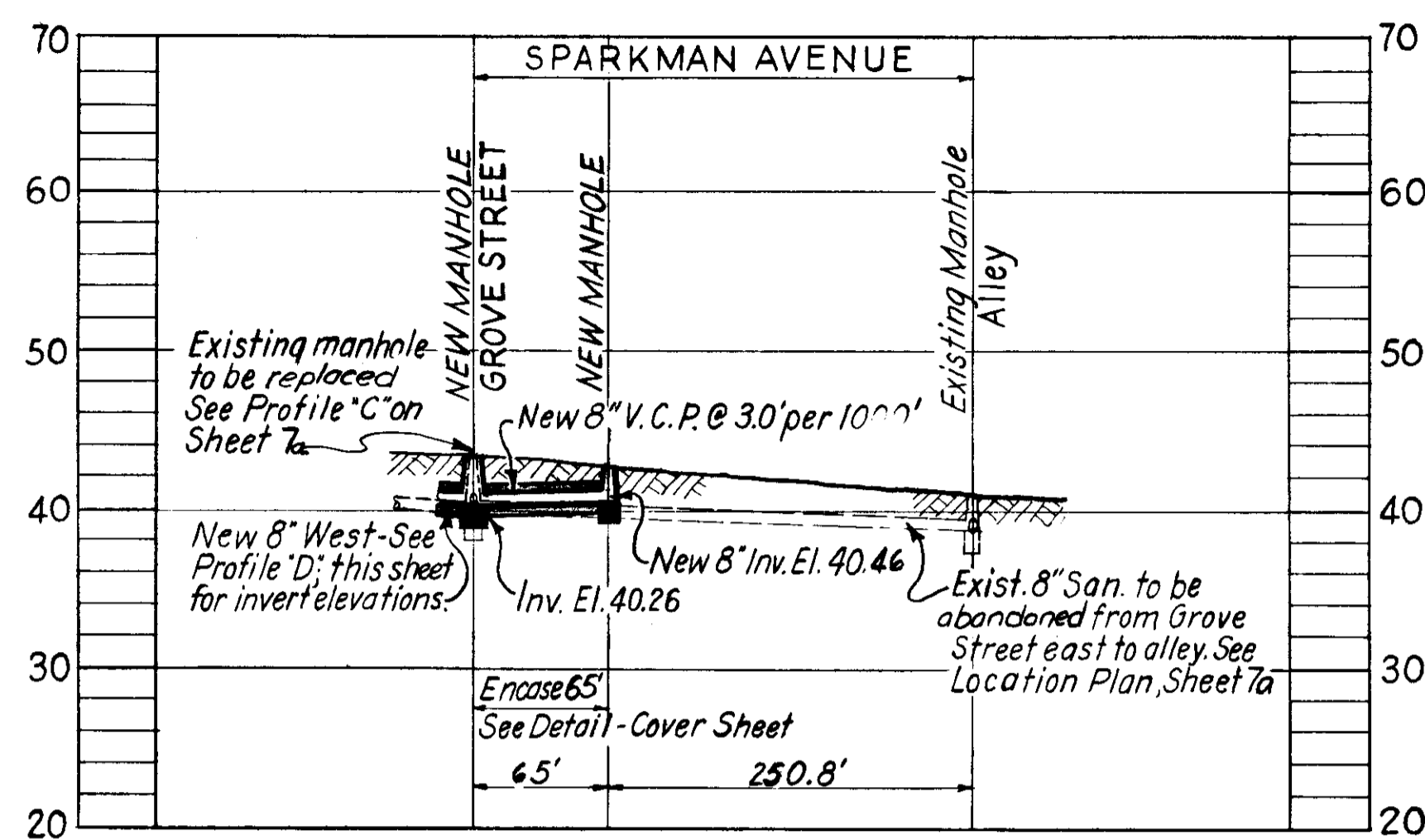
MODIFICATIONS DUE TO EXPRESSWAY SYSTEM

OAK AVE. NORTH TO SPARKMAN AVE. & EAST TO NEBRASKA AVE.
IN CONJUNCTION WITH
S.R.D. PROJECT NO. 10320-3427

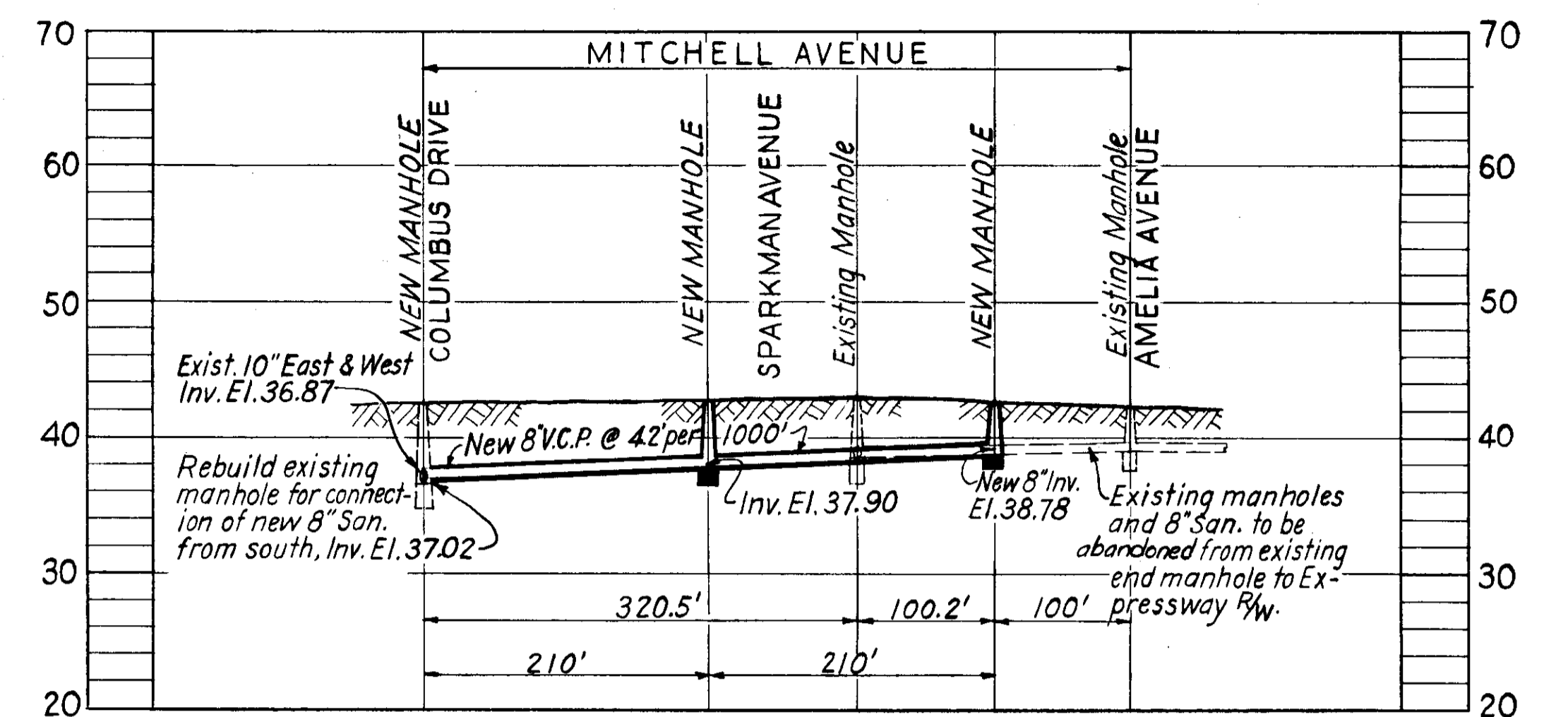
DES:RMJ DR: CT CKD:CMT DATE Nov, 1962 Ex. F.A.#6	SCALES LOCATION PLAN: 1" = 200' PROFILES: Horiz.: 1" = 100' VERT.: 1" = 10'	SHEET 7a OF 14
---	--	----------------------



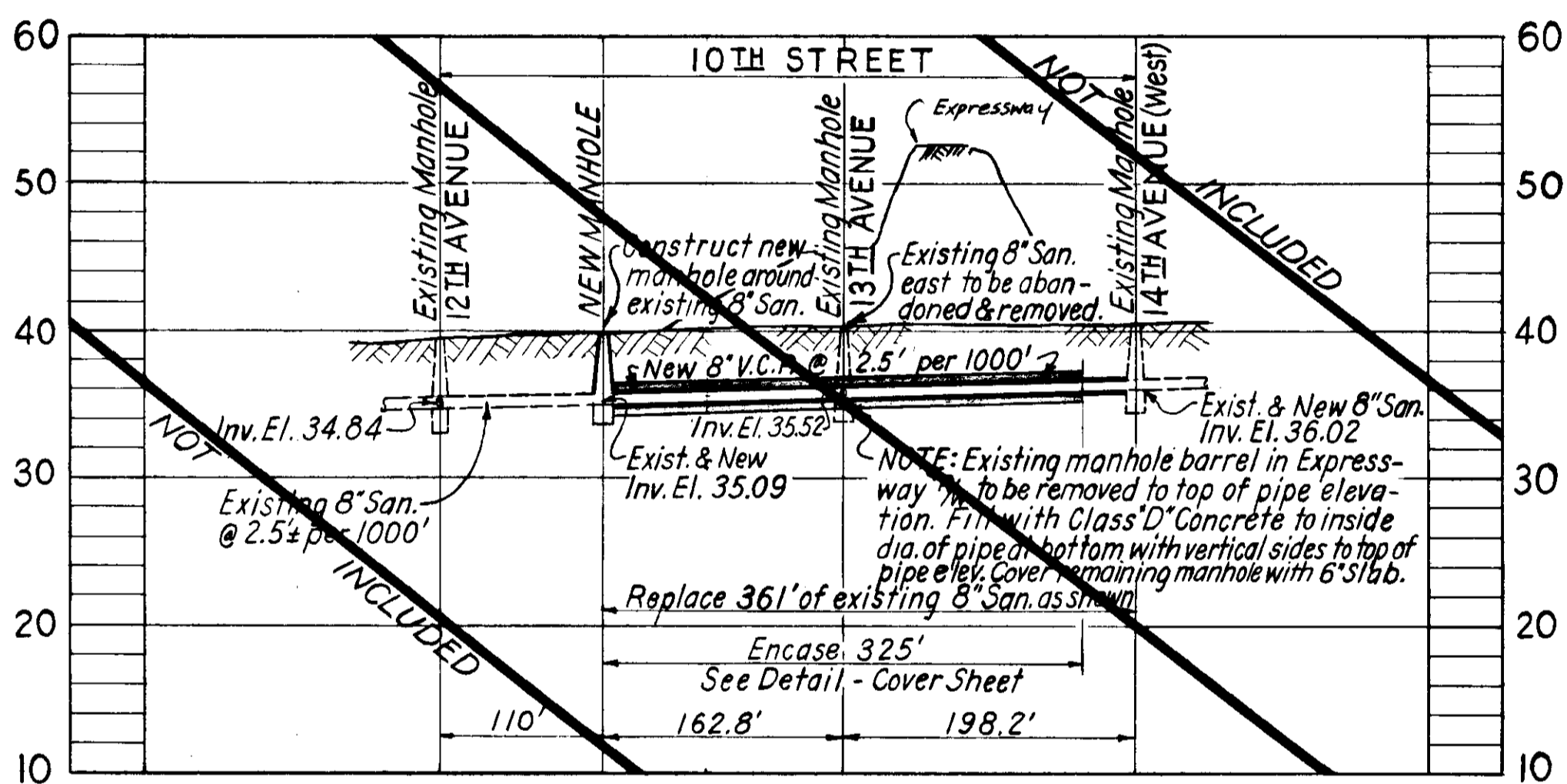
PROFILE "D"



PROFILE "E"



PROFILE "F"



PROFILE "G"

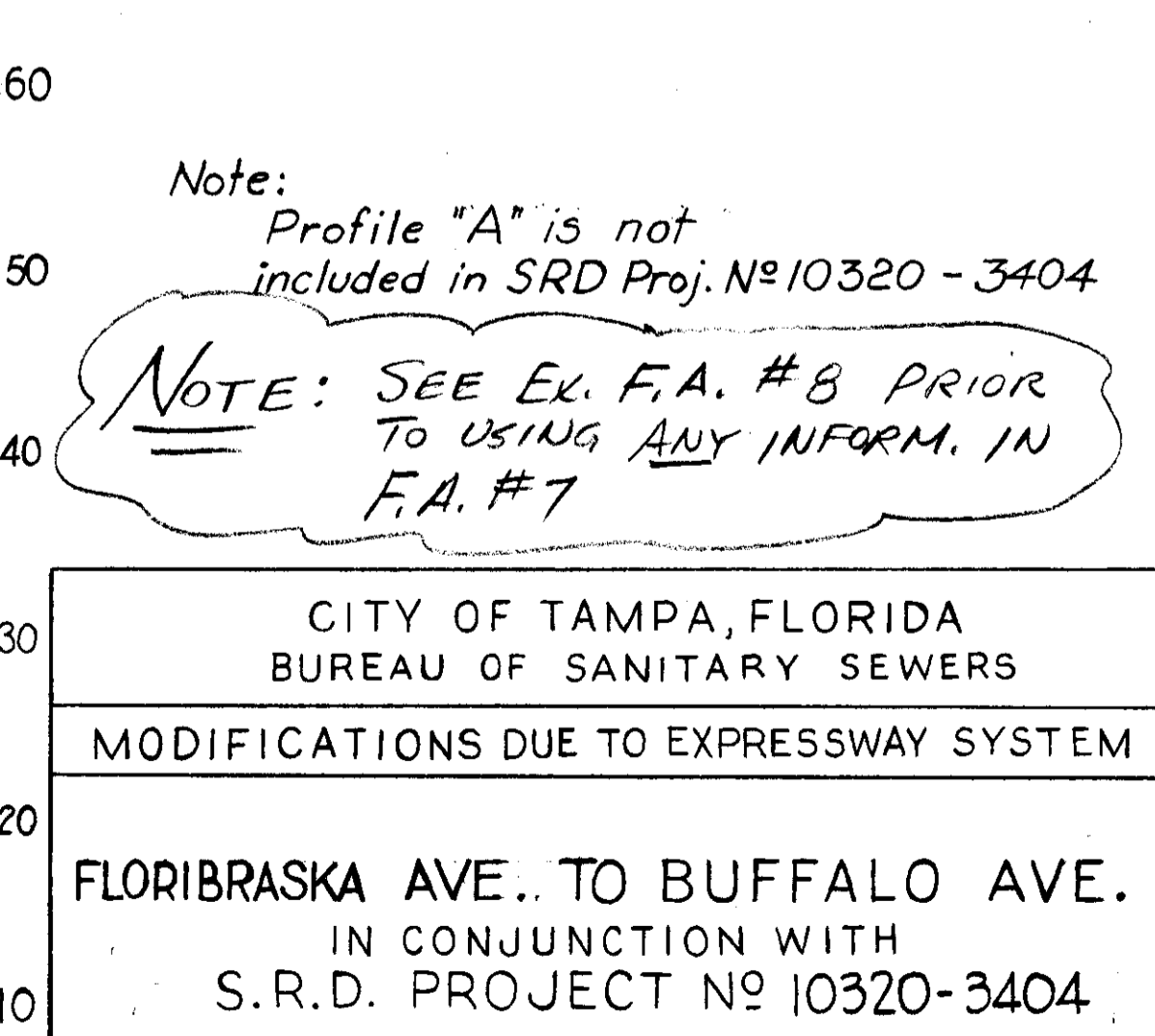
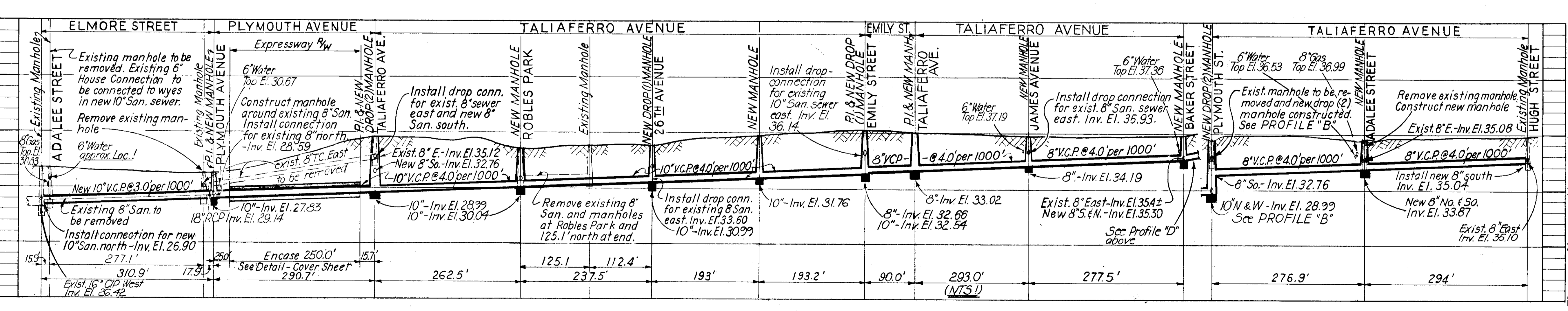
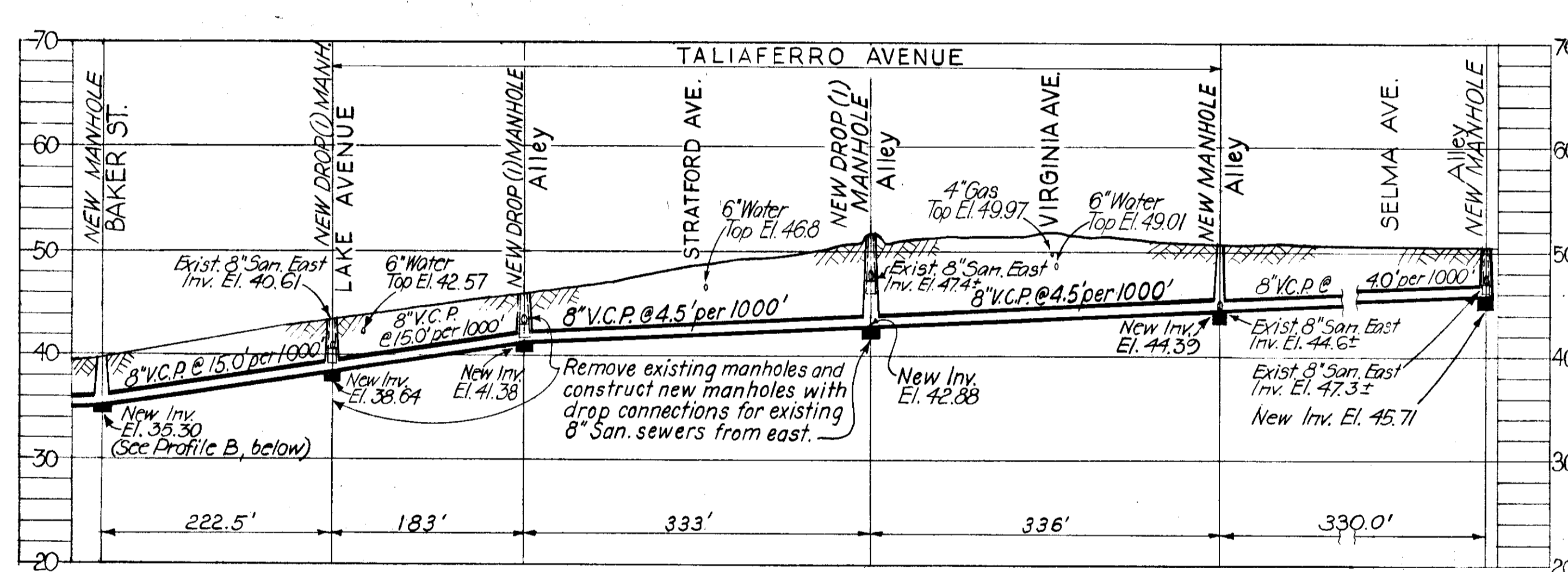
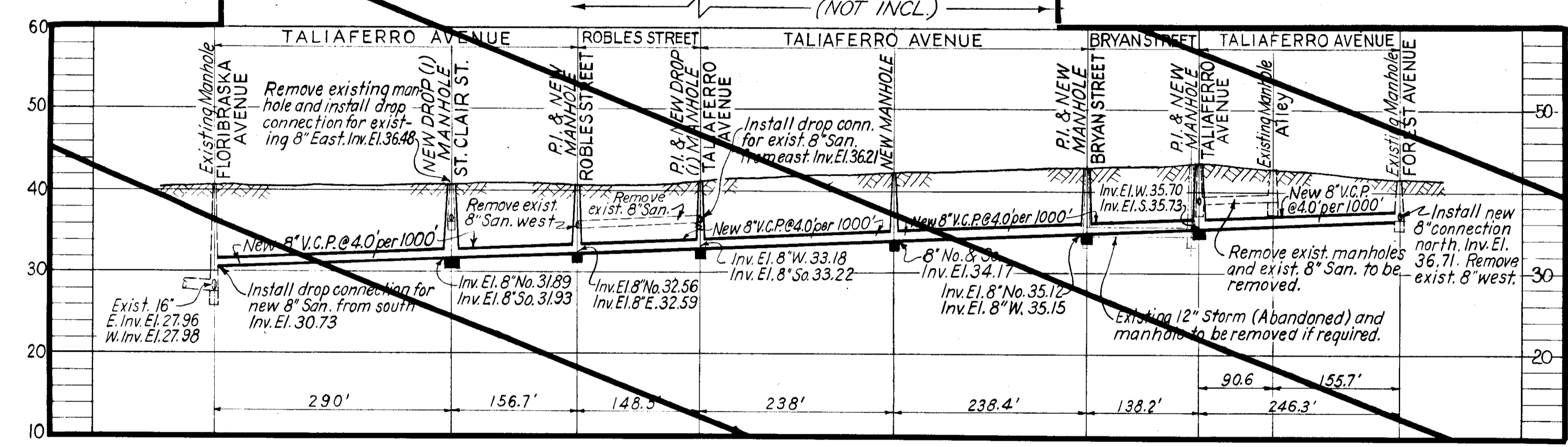
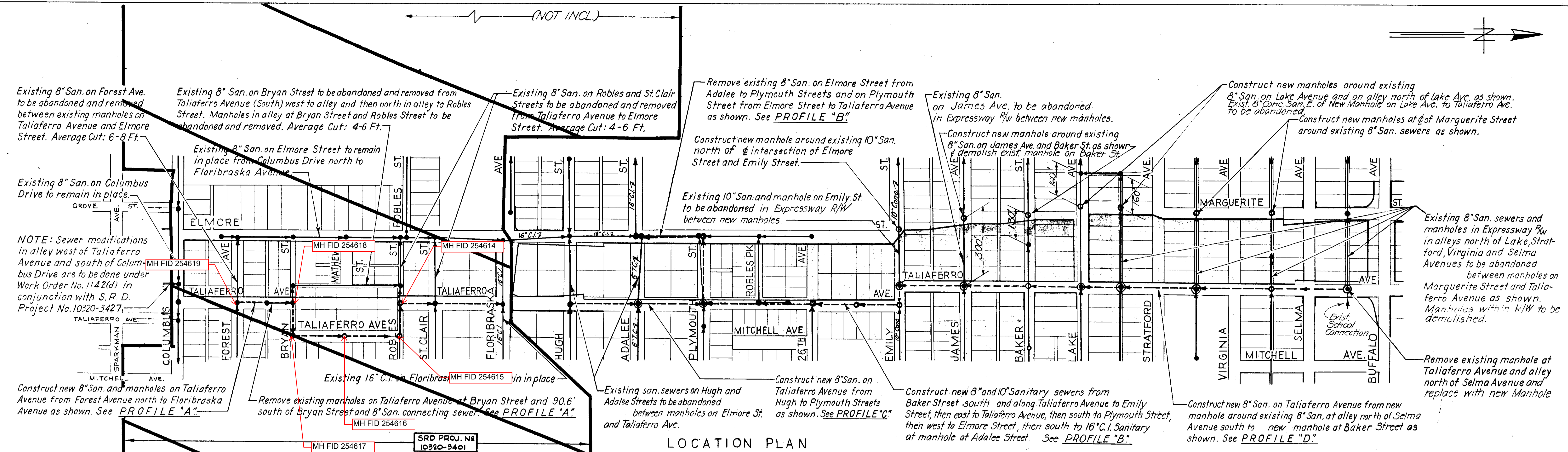
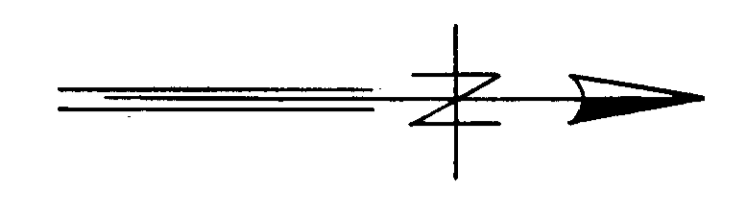
NOTES

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

CITY OF TAMPA, FLORIDA BUREAU OF SANITARY SEWERS		
MODIFICATIONS DUE TO EXPRESSWAY SYSTEM		
OAK AVE. NORTH TO COLUMBUS DRIVE & EAST TO NEBRASKA AVE. IN CONJUNCTION WITH S.R.D. PROJECT NO 10190 - 3427		
DES: R.M.J. DR: R.M.J. CKD: C.M.T. DATE Nov., 1962	<p style="text-align: center;">SCALES</p> LOCATION PLAN: 1" = 200' PROFILES: Horiz: 1" = 100' VERT: 1" = 10'	<p style="text-align: center;">SHEET</p> <div style="text-align: center; font-size: 2em;">8</div> OF 14

Ex. F.A. #4

22-21



- NOTES**
1. See Cover Sheet for General Notes and Encasement Detail.
 2. This section comes under Bureau of Sanitary Sewers Work Order No 1146.

Note:
Profile "A" is not included in SRD Proj. No 10320-3404

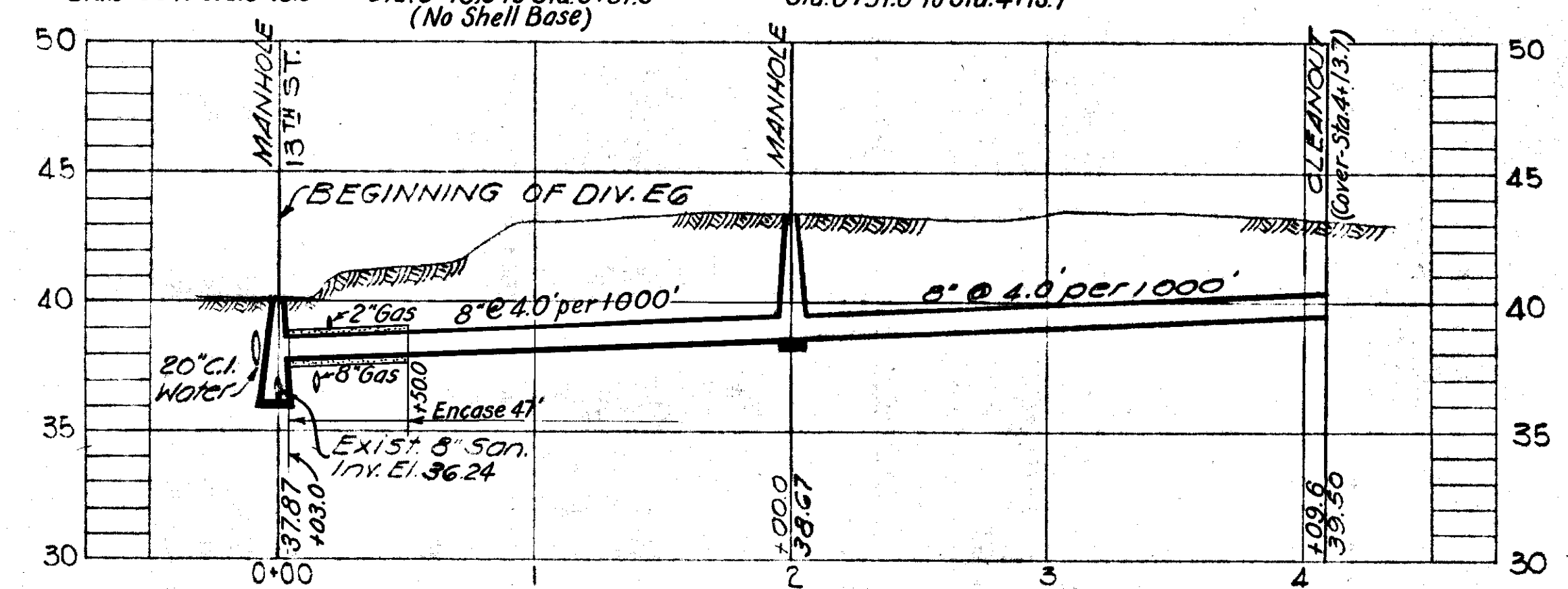
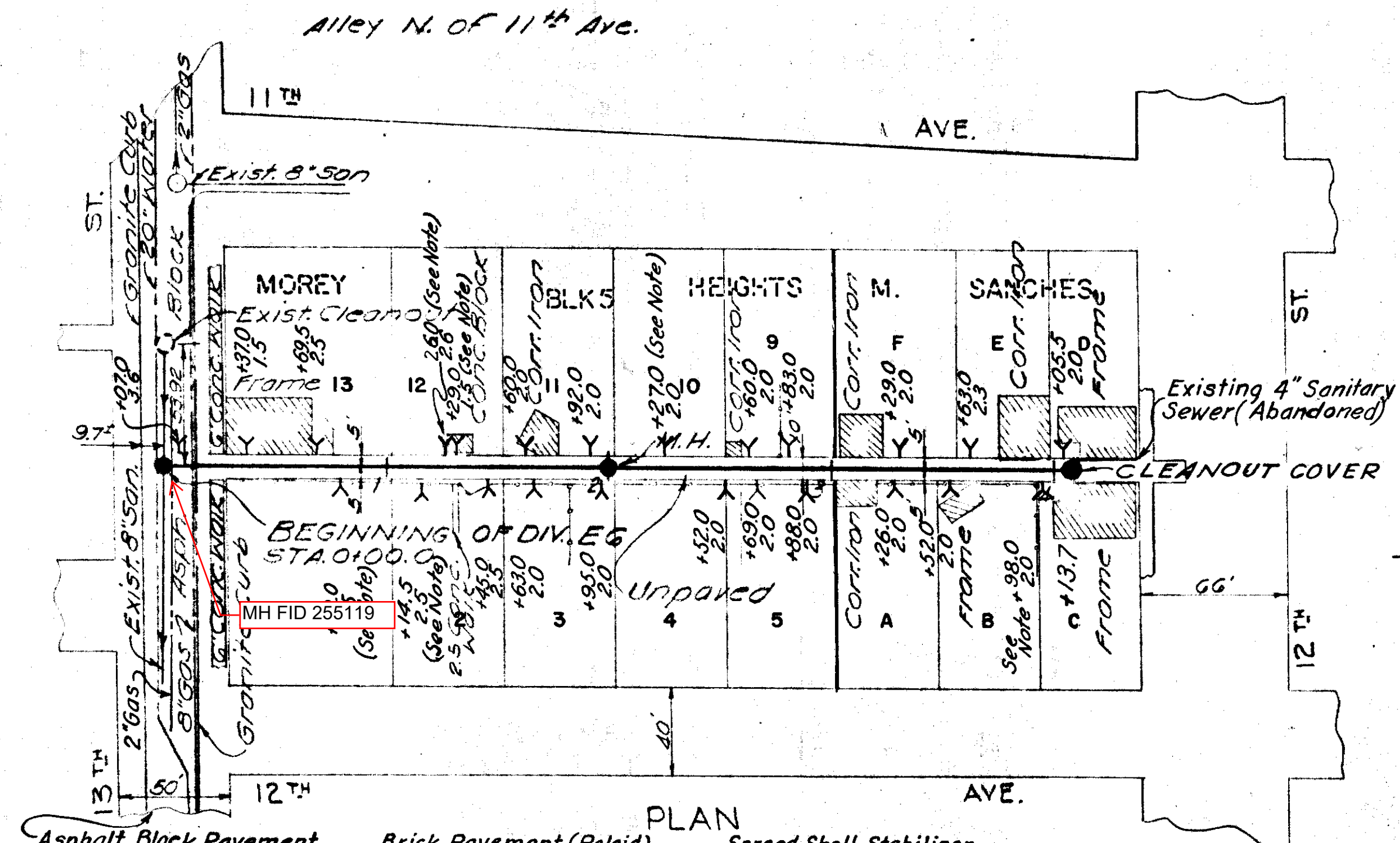
NOTE: SEE EX. F.A. #8 PRIOR TO USING ANY INFORM. IN F.A. #7

CITY OF TAMPA, FLORIDA
BUREAU OF SANITARY SEWERS

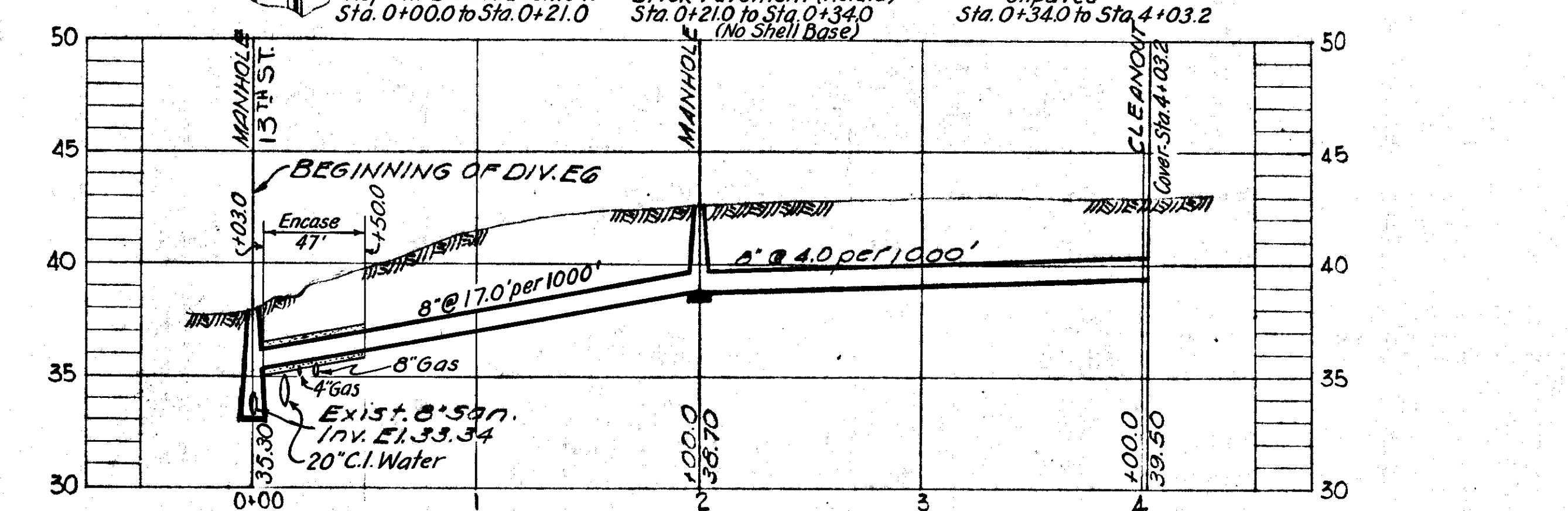
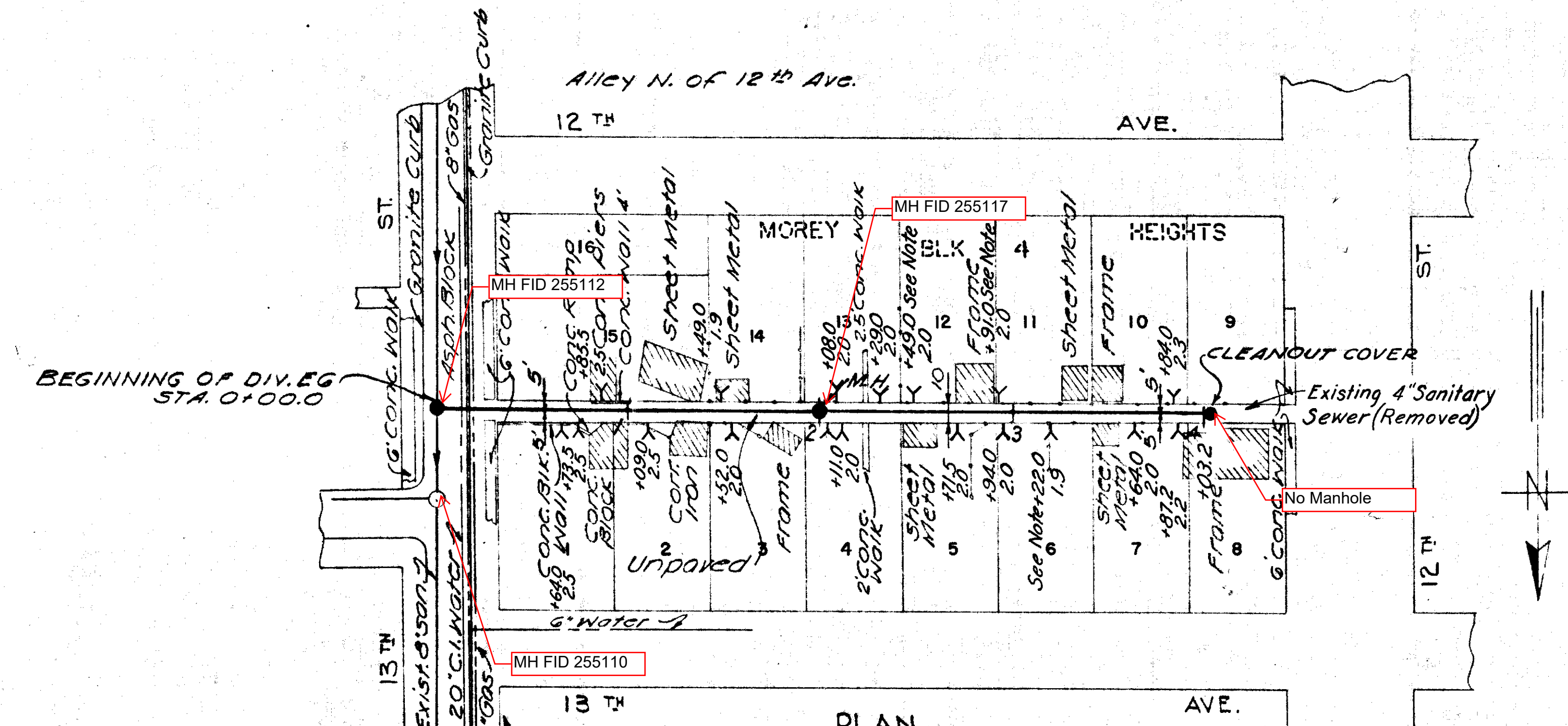
MODIFICATIONS DUE TO EXPRESSWAY SYSTEM

FLORIBASKA AVE. TO BUFFALO AVE.
IN CONJUNCTION WITH
S.R.D. PROJECT No 10320-3404

DES: R.M.J.	SCALES	SHEET
DR: R.M.J.	LOCATION PLAN: 1" = 200'	11
CKD: A.S.C.	PROFILES: Horiz: 1" = 100'	OF 14
DATE	VERT: 1" = 10'	
AUG. 1963		



PROFILE Mx1
SEWER LINE LOCATION
SEC. MAP No. LINE No.
H-13-40



PROFILE Mx2
SEWER LINE LOCATION
SEC. MAP No. LINE No.
H-13-41

Note: Existing Live House Connections at time of construction of new sewer

- Mx1 -
 - 1220 11th Ave - Sta. 1+29.0 S.
 - 2214 13th St - Sta. 0+82.0 N.
 - 2209 12th St - Sta. 3+98.0 N.
 - 2207 12th St - Sta. 3+98.0 N.
 - 2205 12th St - Sta. 3+98.0 N.
 - 1221 12th Ave - Sta. 1+45.0 N.
 - 1214 11th Ave - Sta. 2+27.0 S.
 - 1218 11th Ave - Sta. 1+26.0 S.
- Mx2 -
 - 1209 13th Ave - Sta. 3+22.0 N.
 - 1212 12th Ave - Sta. 2+49.0 S.
 - 1210 12th Ave - Sta. 2+91.0 S.

NOTE:-- Manholes to be constructed around Existing sanitary sewer, and Existing sewer to be kept in operation.

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

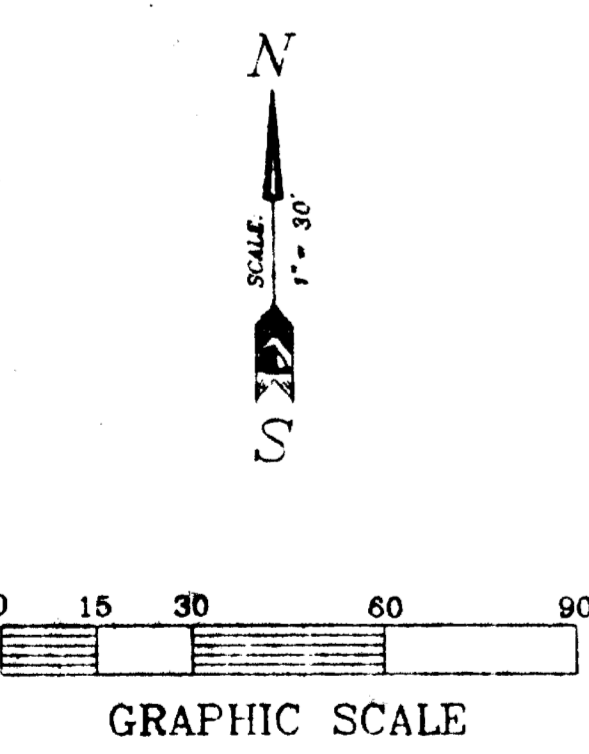
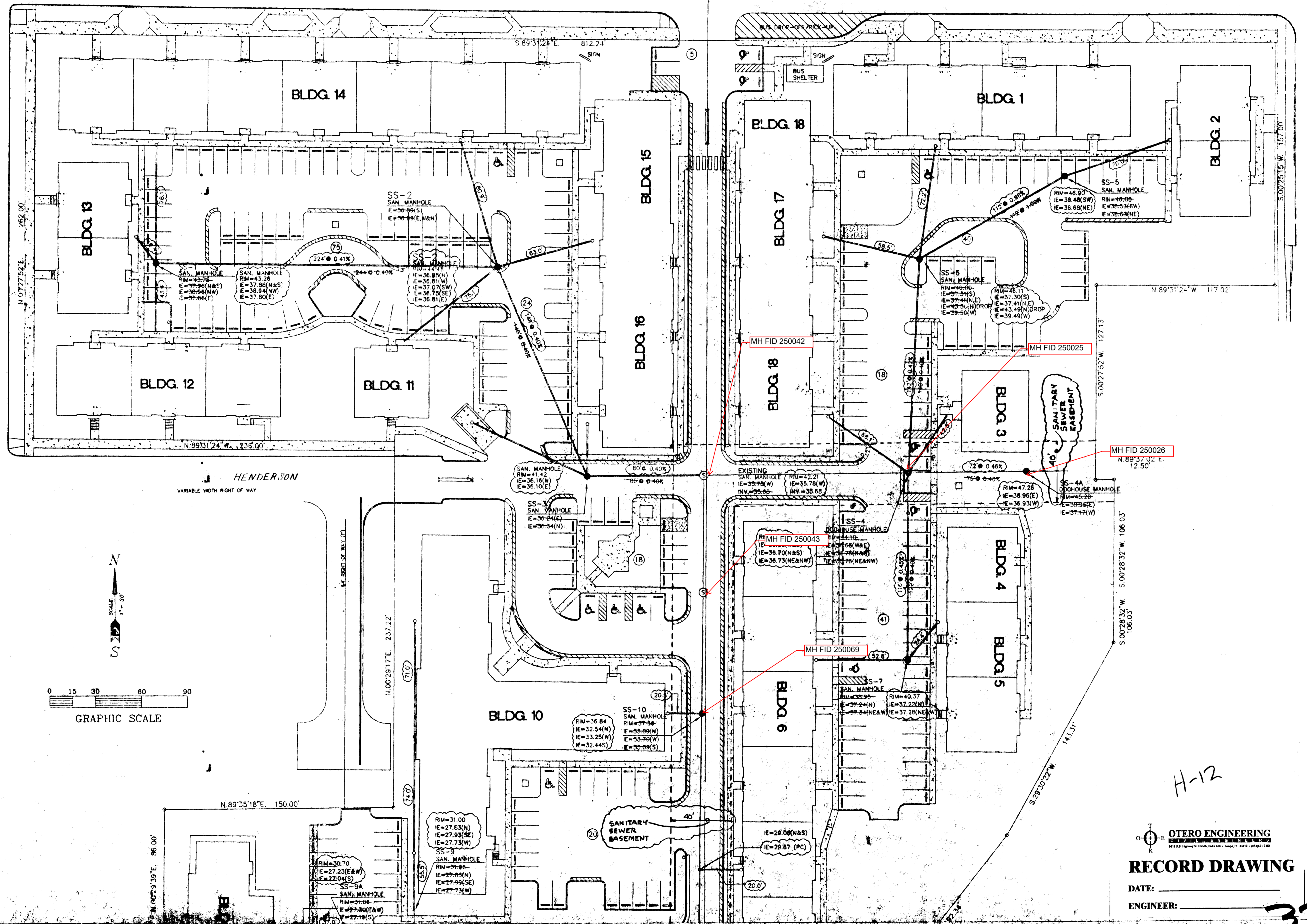
AS-BUILT PLAN
Revised to show actual conditions according to construction records as of April 14, 1951 (R.M.J. 4-2-51)

CITY OF TAMPA FLORIDA SEWER IMPROVEMENTS	
DIVISION EG	
Mx1 & Mx2	
DES. REH DR. REH CKD. WNS DATE MAY 1950	SCALE 0 50 100 1"=50'
SHEET E617 OF 22	

SEE FILE# 320-13 FOR PIPE SIZE AND DESCRIPTION

7th AVE

(64' PUBLIC RIGHT OF WAY) (26' BRICK PAVEMENT)



DATE: 10/09/00

ENGINEER: TONY STURLEY, P.E. FLORIDA CERTIFICATE NO. 4451

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

DATE OF SURVEY 10/09/00

SHEET# 1 OF 2

DATE: 10/09/00

JOB: 99087.LRP

Drawn by: J.P.H. Scale: 1" = 30'

GLOBAL SURVEYING, P.A.

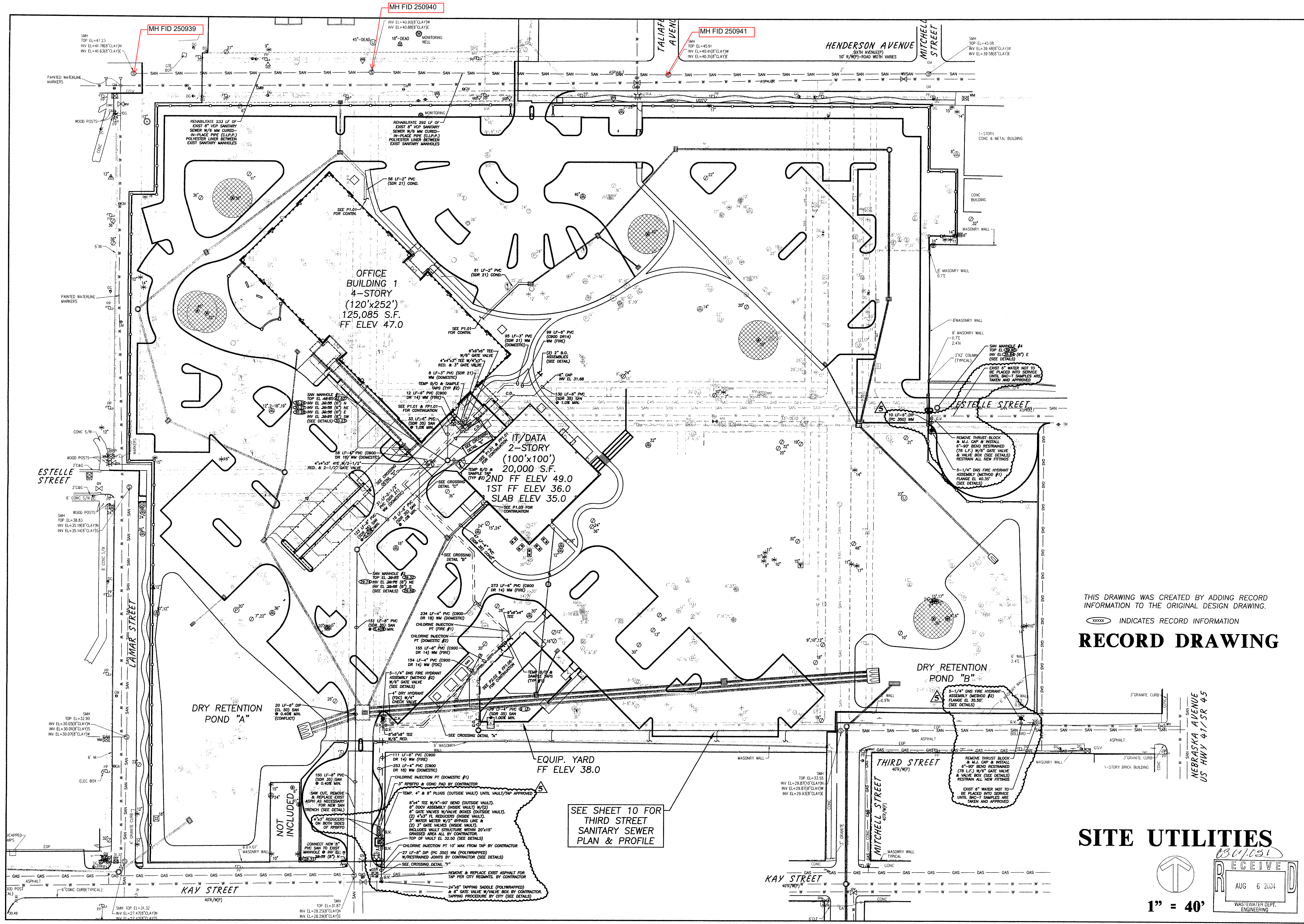
RECORD-DRAWING (SEWER ASBUILTS) OF OBBLEY PARK APARTMENTS SECTION 13, TOWNSHIP 29 SOUTH, RANGE 18 EAST TAMPA, FLORIDA

DATE: 10/09/00

JOB: 99087.LRP

Drawn by: J.P.H. Scale: 1" = 30'

320



MH FID 250939

MH FID 250940

MH FID 250941

OFFICE BUILDING 1
4-STORY
(120'x252')
125,085 S.F.
FF ELEV 47.0

IT/DATA
2-STORY
(100'x100')
20,000 S.F.
2ND FF ELEV 49.0
1ST FF ELEV 36.0
SLAB ELEV 35.0

DRY RETENTION POND "A"

DRY RETENTION POND "B"

EQUIP. YARD
FF ELEV 38.0

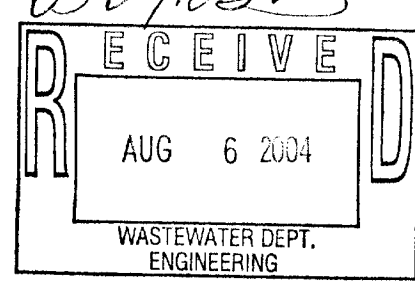
SEE SHEET 10 FOR
THIRD STREET
SANITARY SEWER
PLAN & PROFILE

THIS DRAWING WAS CREATED BY ADDING RECORD INFORMATION TO THE ORIGINAL DESIGN DRAWING.

RECORD DRAWING

SITE UTILITIES

1" = 40'



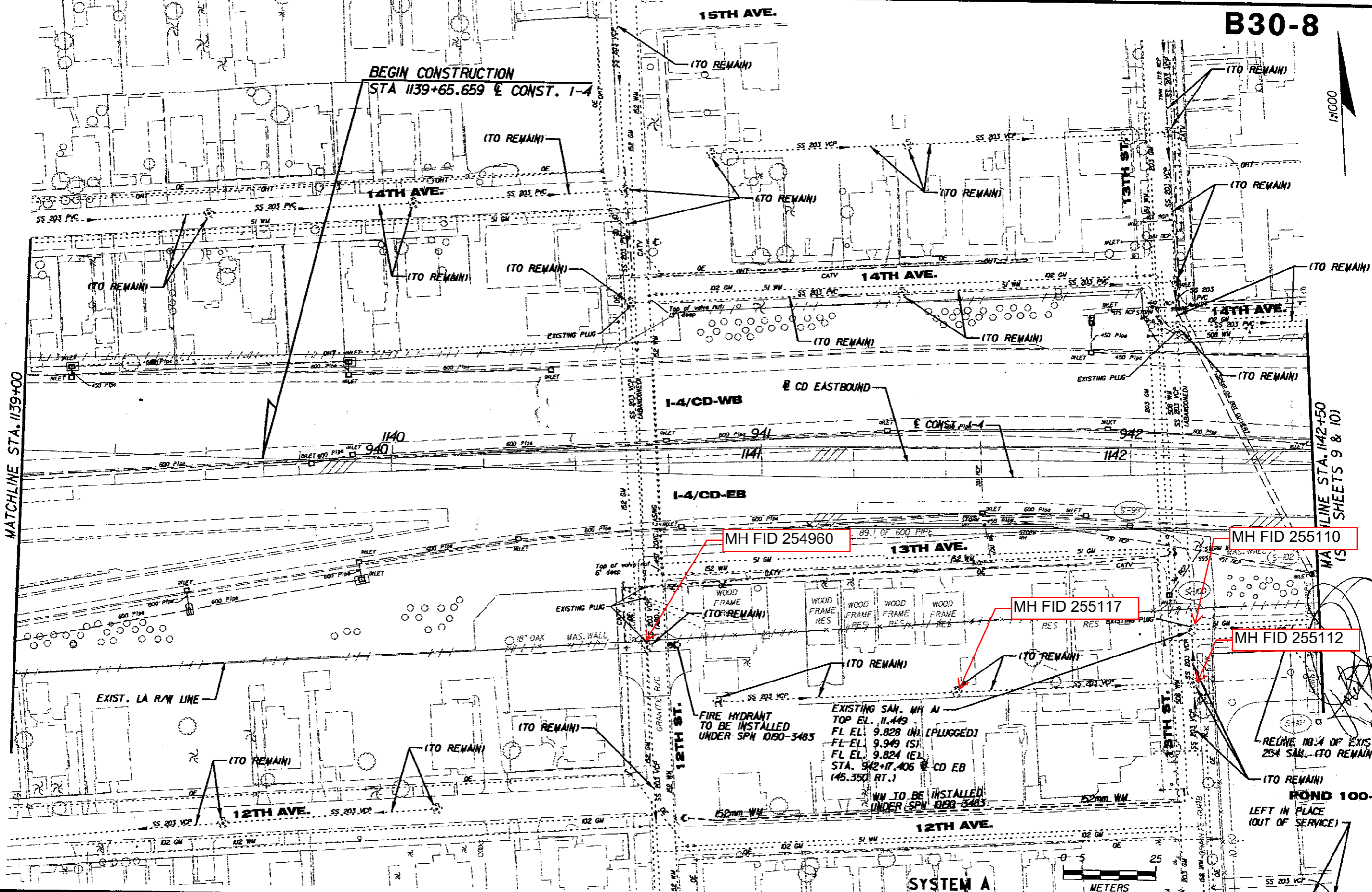
HAMILTON
ENGINEERING & SURVEYING
CIVIL ENGINEERING / SURVEYING / ENVIRONMENTAL / LAND PLANNING
301 NORTH NEWPORT AVENUE, SUITE 100
TAMPA, FL 33606
TEL: (813) 250-3835
FAX: (813) 250-3836
LB #6474

**GTE FEDERAL CREDIT UNION
HEADQUARTERS & IT CENTER (PHASE I)
711 EAST HENDERSON AVENUE
SEC 13, TWP 29 S, RGE 18 E**

NOT VALID UNLESS APPLIED WITH RAISED ENGINEER'S SEAL	ENGINEER'S SEAL JOSEPH A. EVELAND DATE: 8/5/04 (OFFR. SEAL)	56641 FLORIDA REGISTRATION NO.
SEAL		
REVISIONS:	DATE:	JOB #:
06-20-03	03-03-03	20-01308
08-20-03		
12-10-03		
DRAWN BY: JAE		
CHECKED BY: JSH		
SH 9		
OF 16		

352-094

1:1000



MATCHLINE STA. 1139+00

MATCHLINE STA. 1142+50
SHEETS 9 & 10

BEGIN CONSTRUCTION
STA 1139+65.659 & CONST. 1-4

MH FID 254960

MH FID 255110

MH FID 255117

MH FID 255112

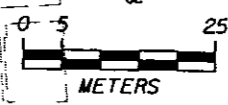
FIRE HYDRANT
TO BE INSTALLED
UNDER SPN 1090-3483

EXISTING SAN. MH A1
TOP EL. 11.449
FL EL. 9.828 (N) [PLUGGED]
FL EL. 9.949 (S)
FL EL. 9.824 (E)
STA. 942+17.406 @ CD EB
(45.350 RT.)

WM TO BE INSTALLED
UNDER SPN 1090-3483

RELINE NO. 4 OF EXISTING
254 SAN. (TO REMAIN)

EXIST. POND 100-1
LEFT IN PLACE
(OUT OF SERVICE)



SYSTEM A

01/10/20 05:35:30 PM h:\cityof\tamposewer\303b\sewrr002.dwg

REVISIONS

NO.	DATE	DESCRIPTION	APPROVED

PREPARED BY:

Parsons Brinckerhoff
 Quade & Douglas, Inc.
 5405 West Cypress St., Suite 300
 Tampa, Florida 33607
 (813) 289-5300
 Certificate of Authorization
 No. 0462



CITY OF TAMPA FLORIDA
 DEPARTMENT OF SANITARY SEWERS
 305 E. JACKSON ST., 4E
 TAMPA FLORIDA 33602
 PHONE: (813) 254-8039
 FAX: (813) 254-8446

APPROVED BY:
 LICENSE NO.

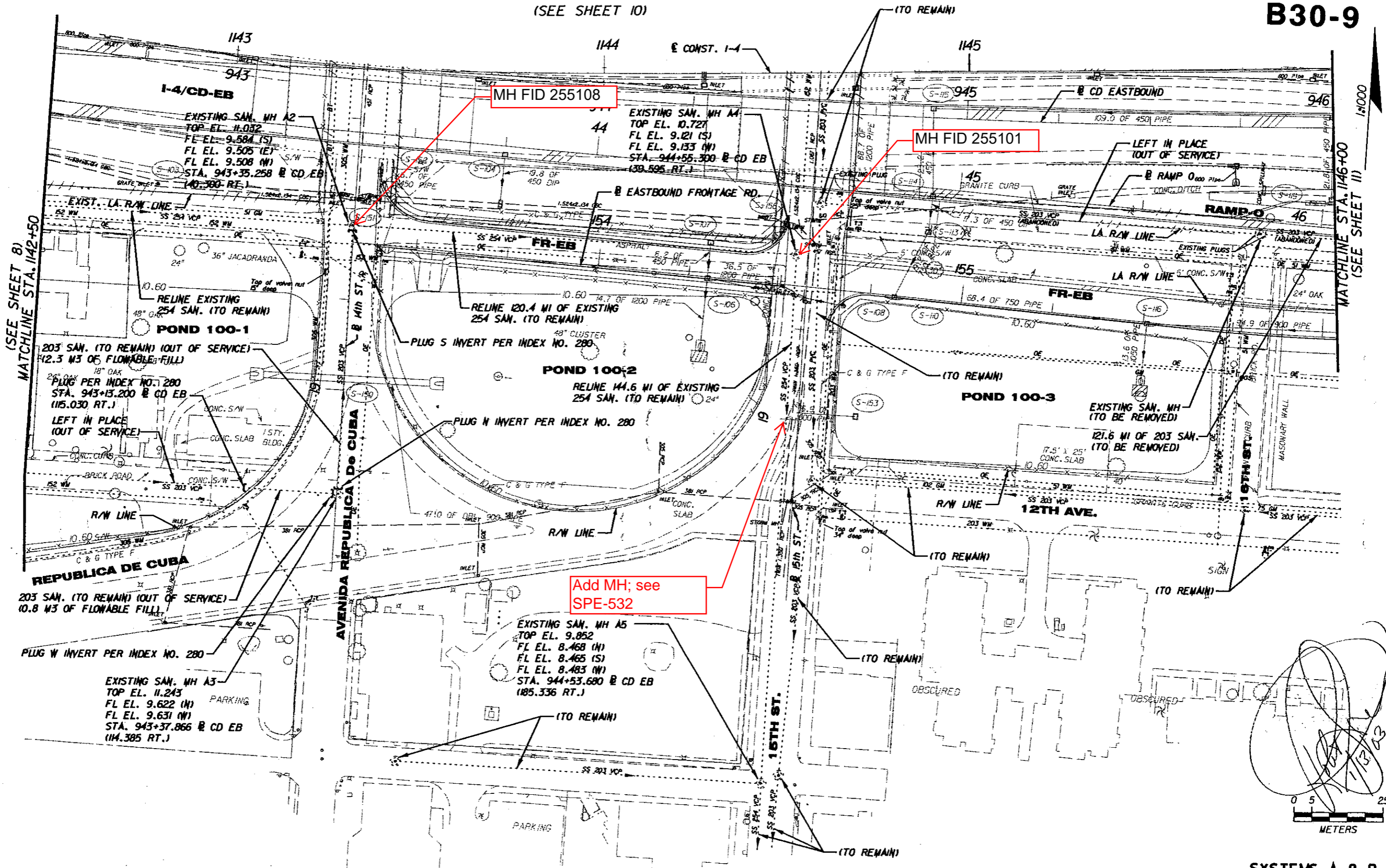
SANITARY SEWER RELOCATIONS
 FROM WEST OF 14TH ST.
 TO EAST OF 50TH ST.

UWHCA PROJECT ID
 258401-1-56-02

WORK ORDER NO.
 99-08

SHEET NO.
 8

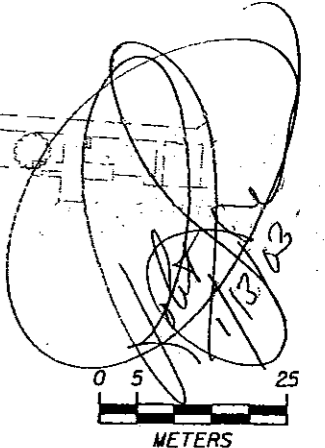
(SEE SHEET 10)



MH FID 255108

MH FID 255101

Add MH; see SPE-532



SYSTEMS A & B

REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED

PREPARED BY:
PR
 Robert D. Szohy
 P.E., License No. 42770
 Parsons Brinckerhoff
 Quade & Douglas, Inc.
 5405 West Cypress St., Suite 300
 Tampa, Florida 33607
 (813) 289-5300
 Certificate of Authorization
 No. 0462



CITY OF TAMPA FLORIDA
 DEPARTMENT OF SANITARY SEWERS
 306 E. JACKSON ST., 6E
 TAMPA FLORIDA 33602
 PHONE: (813) 274-8059
 FAX: (813) 274-8446

APPROVED BY:

 LICENSE NO.

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

UWCA PROJECT ID
 258401-1-56-02

WORK ORDER NO.
 99-08

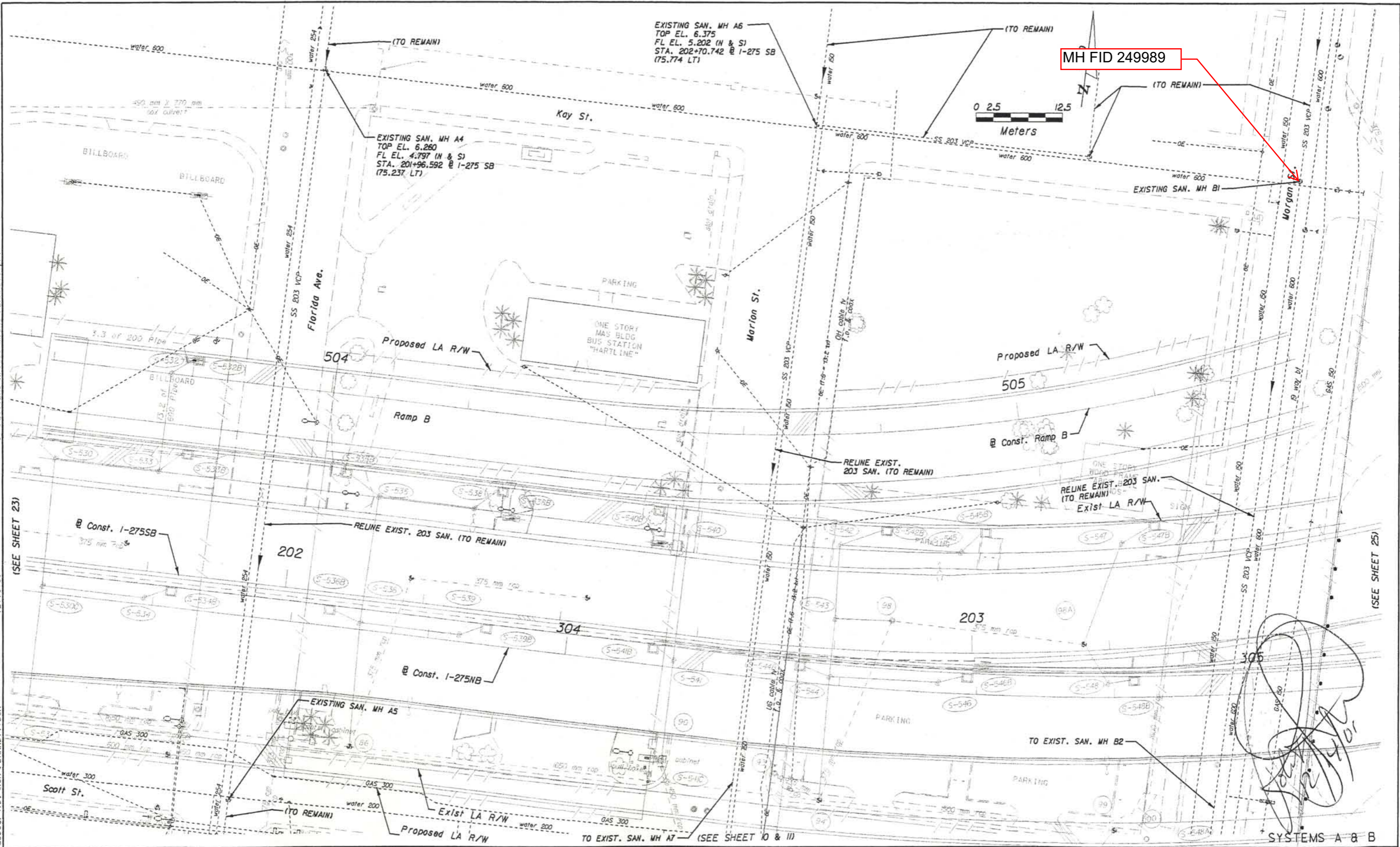
SHEET NO.
 9

05/10/2006 05:36:57 PM h:\p1\tyoftomosewer_13a3b\sewr\cd3a.d

G:\PLOTTERS\HP8000\MI\CR0\PLANRDI7.DWG

12/13/01

H:\xclfyoft\pmposewer\TDI\KCA\PLANRDI7.DGN



MH FID 249989



(SEE SHEET 23)

(SEE SHEET 25)

REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED

PREPARED BY:
Parsons Brinckerhoff
 Quade & Douglas, Inc.
 5405 West Cypress St., Suite 300
 Tampa, Florida 33607
 (813) 289-3300
 Exp. Bus. No. E800001462



CITY OF TAMPA FLORIDA
 DEPARTMENT OF SANITARY SEWERS
 306 E. JACKSON ST., 6E
 TAMPA FLORIDA 33602
 PHONE: (813) 274-8070
 FAX: (813) 274-8448

APPROVED BY:

 LICENSE NO.

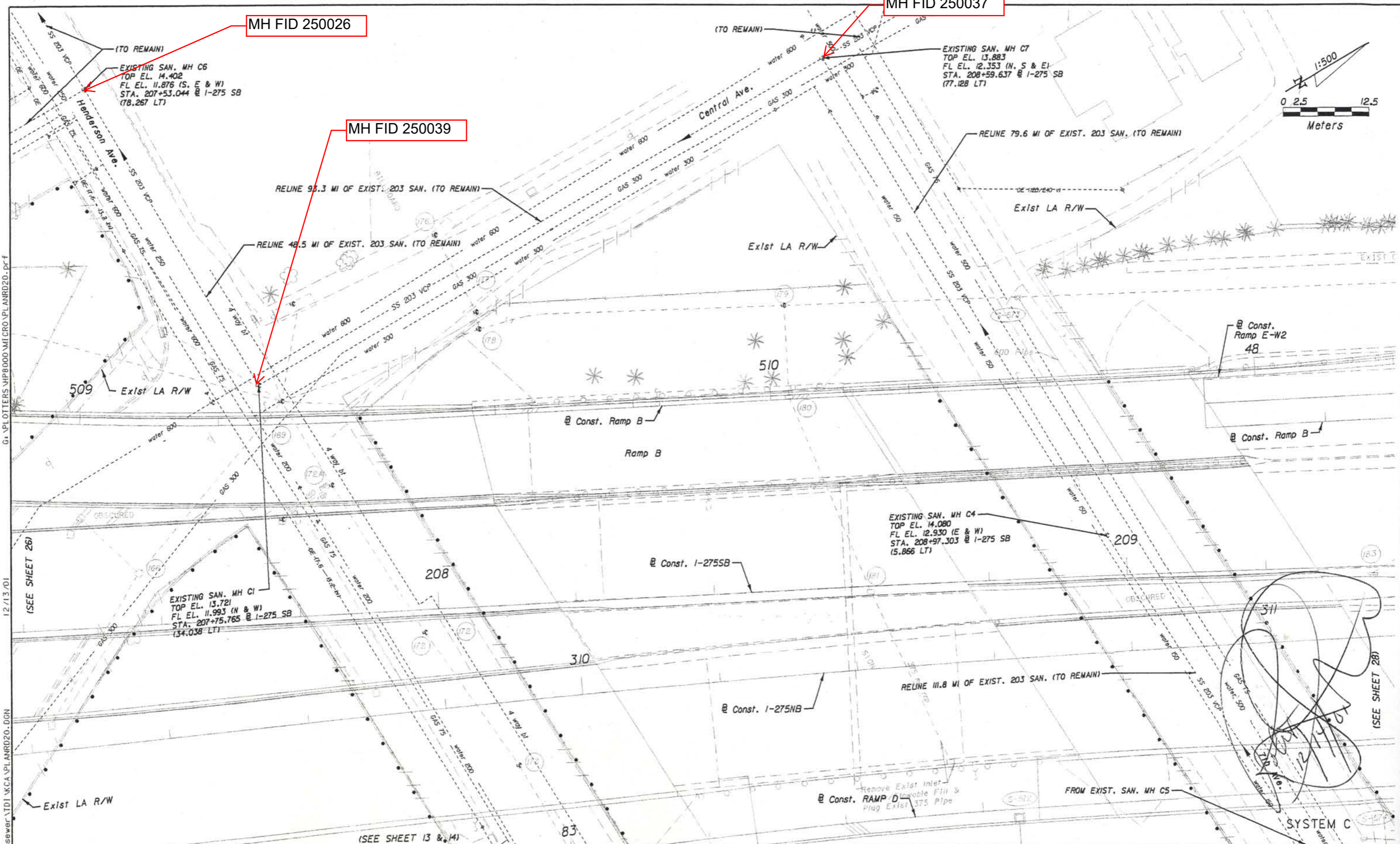
SANITARY SEWER RELOCATIONS
FROM THE HILLSBOROUGH RIVER TO
FLORIBRASKA AVENUE

FINANCIAL PROJECT ID
 258643-1-56-04

WORK ORDER NO.
 99-07

SHEET NO.
 24

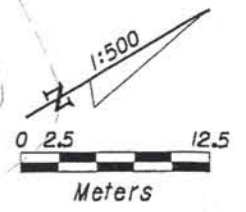
BO66-111



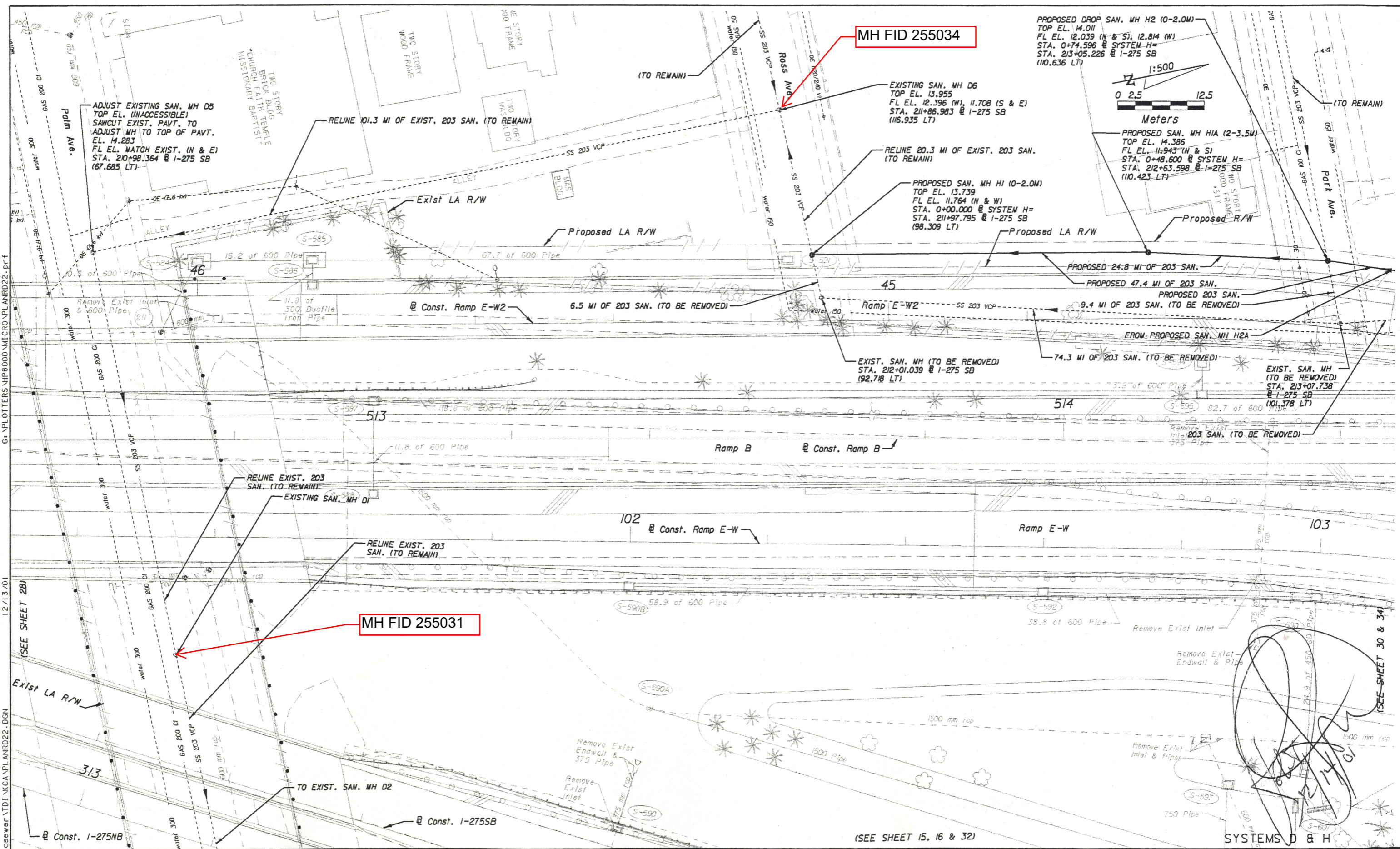
MH FID 250026

MH FID 250037

MH FID 250039



B066-114



MH FID 255034

PROPOSED DROP SAN. MH H2 (0-2.0M)
TOP EL. 14.011
FL EL. 12.039 (N & S), 12.814 (W)
STA. 0+74.596 @ SYSTEM H=
STA. 213+05.226 @ 1-275 SB
(110.636 LT)

1:500
0 2.5 12.5
Meters

ADJUST EXISTING SAN. MH D5
TOP EL. (UNACCESSIBLE)
SAW-CUT EXIST. PAVT. TO
ADJUST MH TO TOP OF PAVT.
EL. 14.283
FL EL. MATCH EXIST. (N & E)
STA. 210+98.364 @ 1-275 SB
(67.685 LT)

EXISTING SAN. MH D6
TOP EL. 13.955
FL EL. 12.396 (W), 11.708 (S & E)
STA. 211+86.983 @ 1-275 SB
(116.935 LT)

PROPOSED SAN. MH H1 (0-2.0M)
TOP EL. 13.739
FL EL. 11.764 (N & W)
STA. 0+00.000 @ SYSTEM H=
STA. 211+97.795 @ 1-275 SB
(98.309 LT)

PROPOSED SAN. MH H1A (2-3.5M)
TOP EL. 14.386
FL EL. 11.943 (N & S)
STA. 0+48.600 @ SYSTEM H=
STA. 212+63.598 @ 1-275 SB
(110.423 LT)

MH FID 255031

TO EXIST. SAN. MH D2
@ Const. 1-275NB

(SEE SHEET 15, 16 & 32)

SYSTEMS D & H

G:\PLOTTERS\HP8000\MICROVPL\ANRD22.DWG

12/13/01

H:\c\jfoyt\mposewer\TDD\KCA\PLANRD22.DGN

REVISIONS		
NO.	DATE	DESCRIPTION

PREPARED BY:

Parsons Brinckerhoff
Quade & Douglas, Inc.
5405 West Cypress St., Suite 300
Tampa, Florida 33607
(813) 288-5300
Exp. Bus. No. E80000462



CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS

306 E. JACKSON ST., 6E
TAMPA, FLORIDA 33602
PHONE: (813) 274-8070
FAX: (813) 274-8448

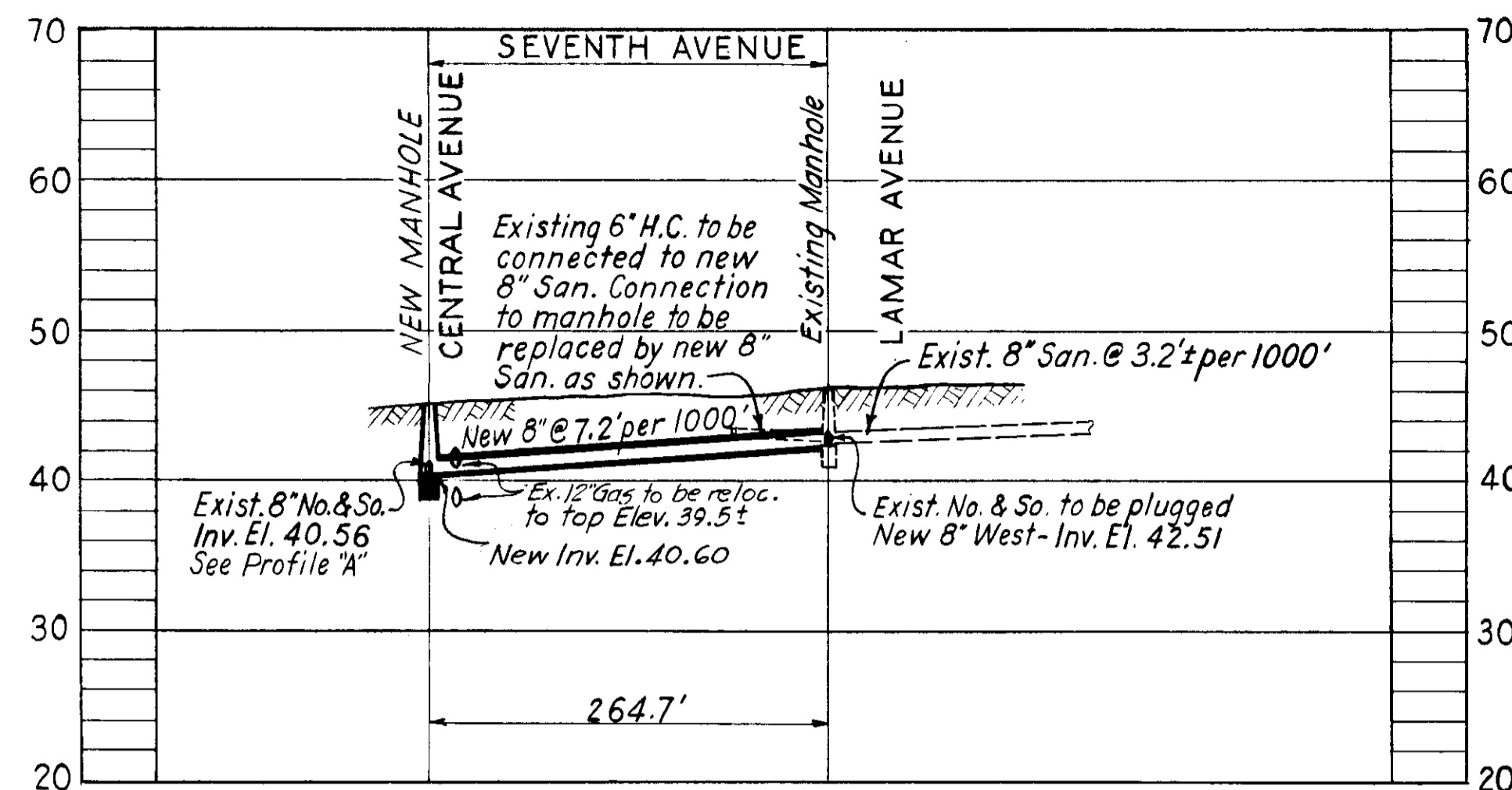
APPROVED BY:

LICENSE NO. _____

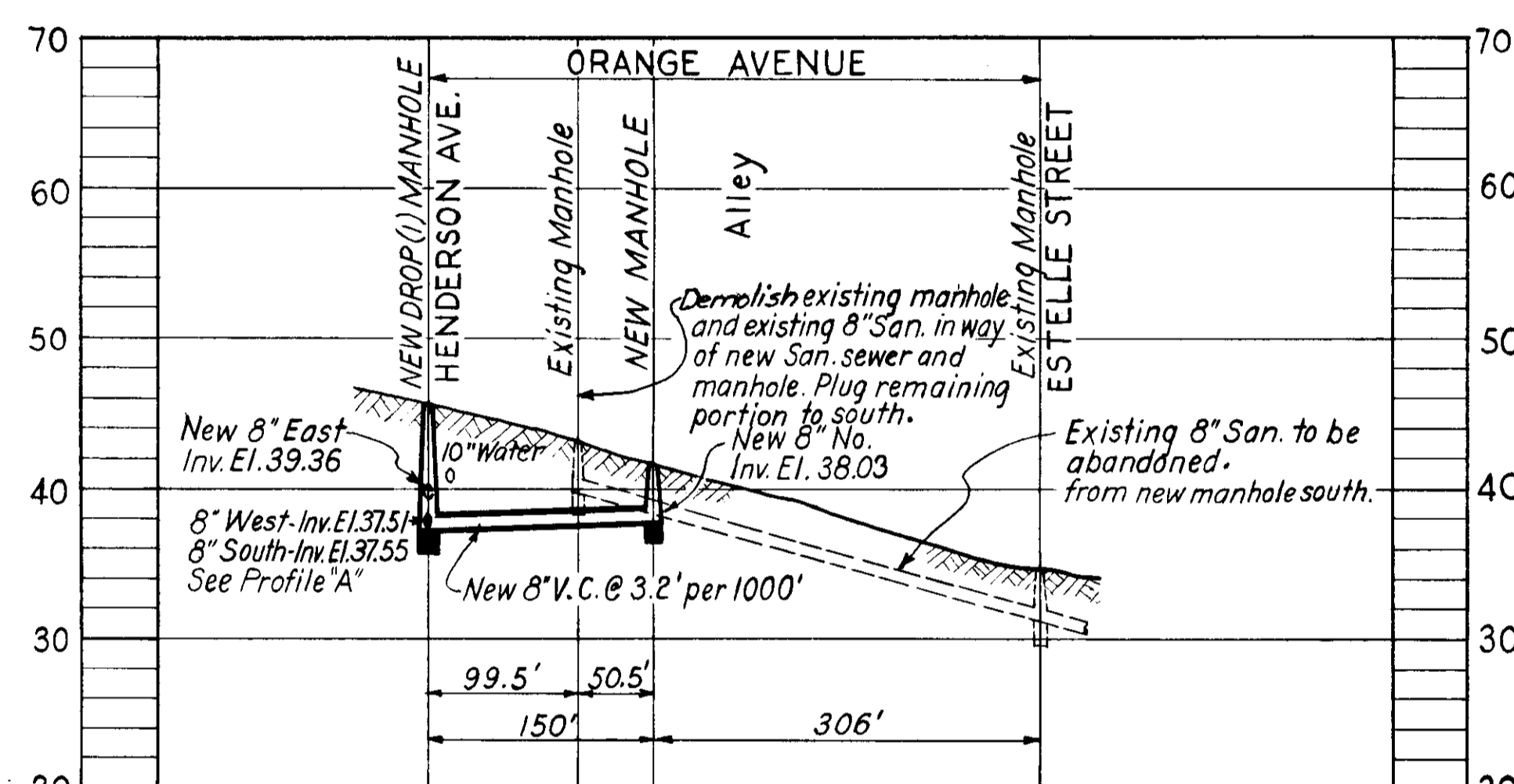
SANITARY SEWER RELOCATIONS
FROM THE HILLSBOROUGH RIVER TO
FLORIBRASKA AVENUE

FINANCIAL PROJECT ID	WORK ORDER NO.	SHEET NO.
258643-1-56-04	99-07	29

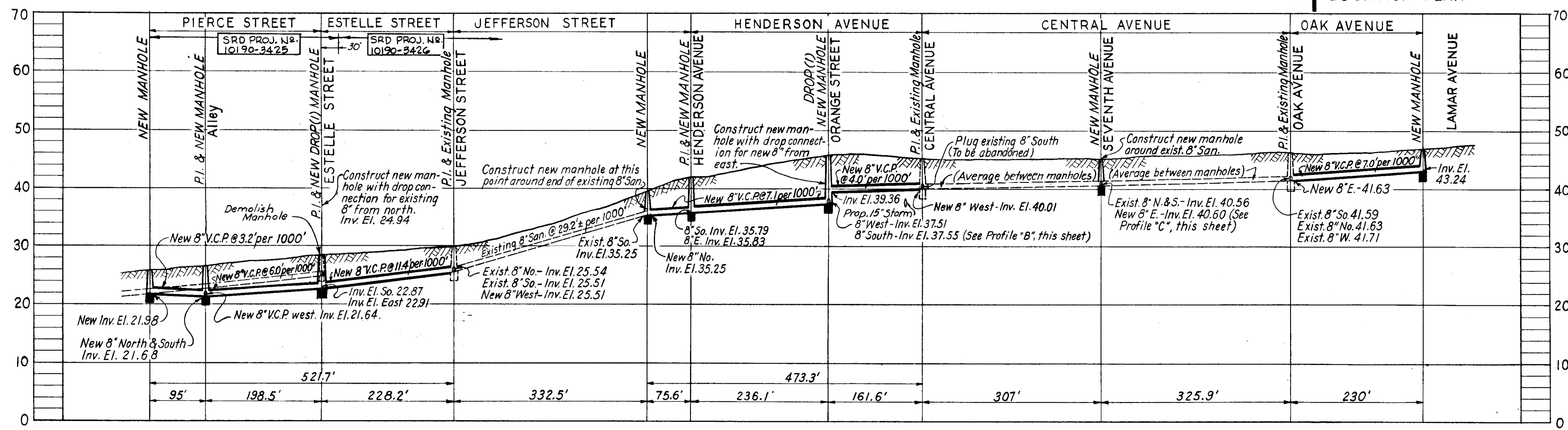
B066-116



PROFILE "C"



PROFILE "B"



PROFILE "A"

NOTES

1. See Cover Sheet for General Notes and Encasement Detail.
2. This section comes under Bureau of Sanitary Sewers Work Order No 1142 (c).

Construct new manhole 230' east of existing manhole at Oak and Central Avenues, and new 8" San. from new manhole to existing manhole to existing manhole at Central Avenue. See PROFILE "A"

Existing 8" San. on Lamar Ave. to be abandoned from existing manhole at Seventh Ave. north to end manhole. Existing end manhole to be demolished. Average Cut: 0-4 Ft.

Construct new manhole around existing 8" at Seventh and Central Avenues with new 8" San. to existing manhole at Lamar Ave. See PROFILE "C"

Construct new manholes and connecting sewers on Henderson Avenue at Jefferson and Orange Streets. New 8" San. to be constructed on Henderson Ave. from new manhole at Orange St. east to existing manhole at Central Ave. Construct new manhole on Jefferson Ave. 75.6' south of new manhole at Henderson Avenue. with new 8" San. connecting sewer north to Henderson Ave. See PROFILE "A"

Construct new manhole on Orange St. 150' south of new manhole at Henderson Avenue. Existing manhole to be demolished and new 8" San. to be constructed from new manhole to Henderson Avenue. See PROFILE "B"

Construct new 8" San. on Estelle St. between existing manhole at Jefferson Street and new manhole at Pierce Street & Estelle Street. See PROFILE "A". Work to be done under Bureau of Sanitary Sewers W.O. 1142(c)

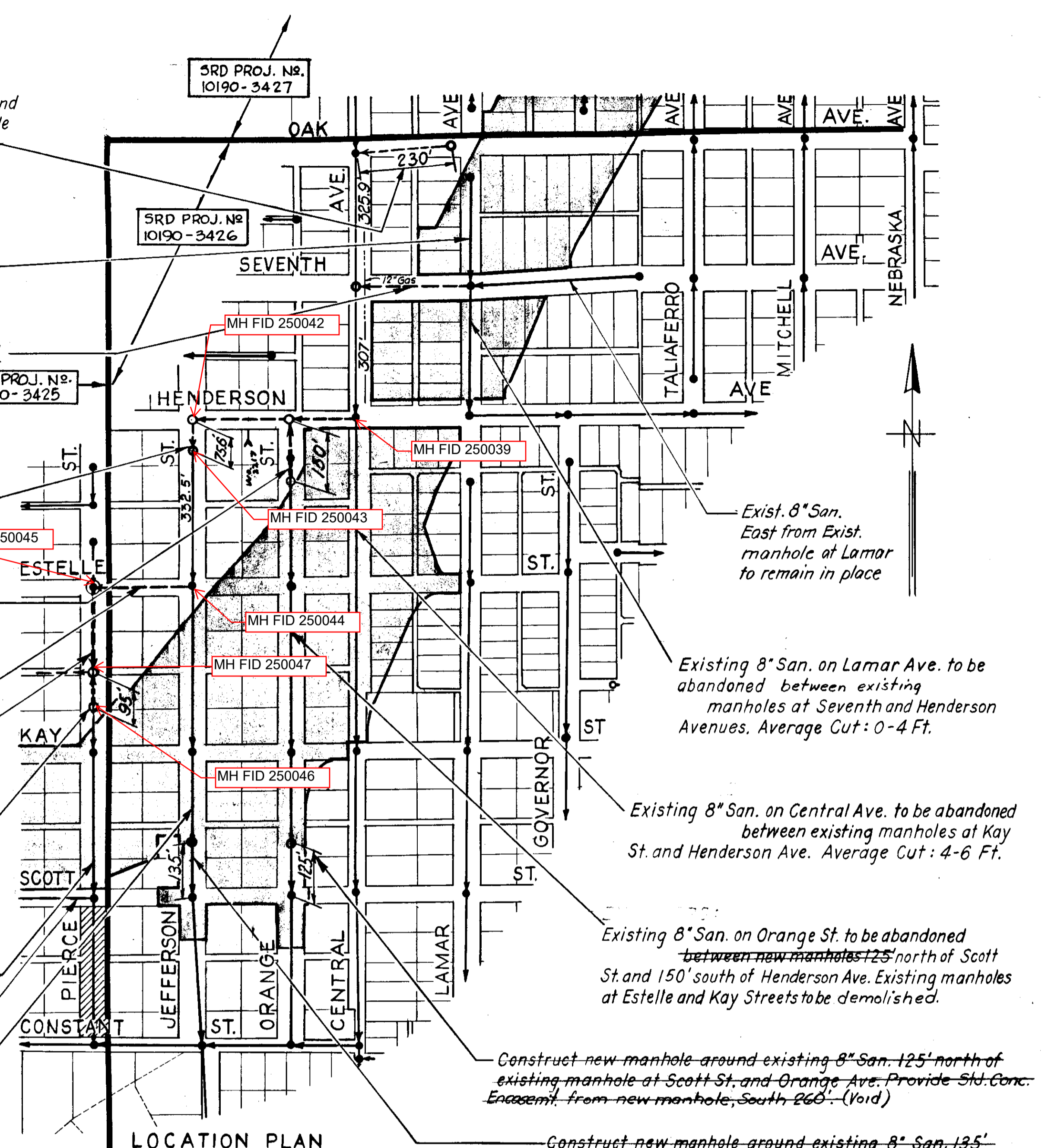
Replace existing 8" San. on Pierce Street from existing manhole at Estelle Street to 95' south of alley north of Kay Street. Construct new manhole at Pierce and Estelle Streets. See PROFILE "A". Work to be done under Bureau of Sanitary Sewers W.O. 1142(b)

Construct new end manhole and new 8" San. from 95' south of alley north of Kay St. to new manhole at alley north of Kay Street. See PROFILE "A". -also PROFILE "C", sheet 5

Existing 8" San. on Pierce St. to be abandoned between existing manhole at Scott Street and new manhole 95' south of alley north of Kay Street. Existing manhole at Kay Street to be demolished.

See Note on Sheet 5

Existing 8" San. on Jefferson Avenue to be abandoned between new manhole 125' north of Scott Street and existing manhole at Estelle Street. Existing manhole at Kay Street to be demolished.



LOCATION PLAN

Construct new manhole around existing 8" San. 125' north of existing manhole at Scott St. and Orange Ave. Provide Std. Conc. Encasement from new manhole, South 260' (Void)

Construct new manhole around existing 8" San. 135' north of existing manhole at Scott and Jefferson Streets. Provide Std. Conc. Encasement from new manhole, South 240' (Void)

CITY OF TAMPA, FLORIDA
BUREAU OF SANITARY SEWERS

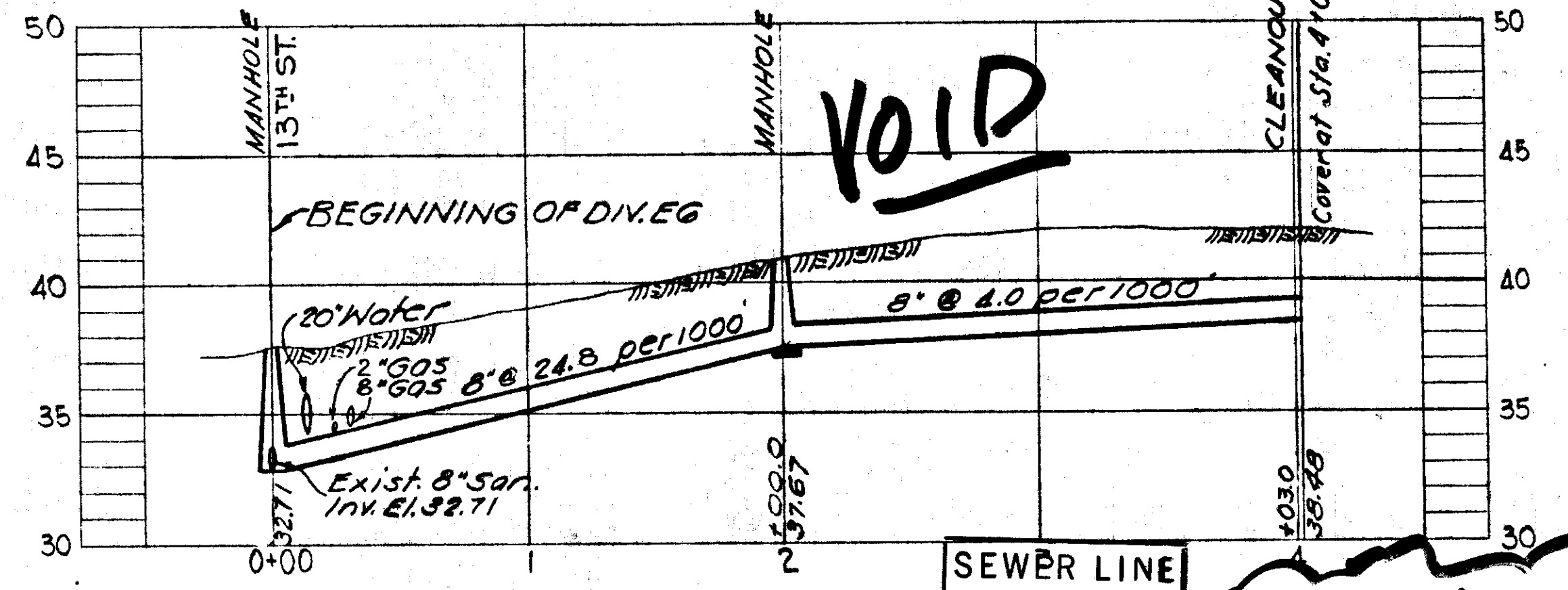
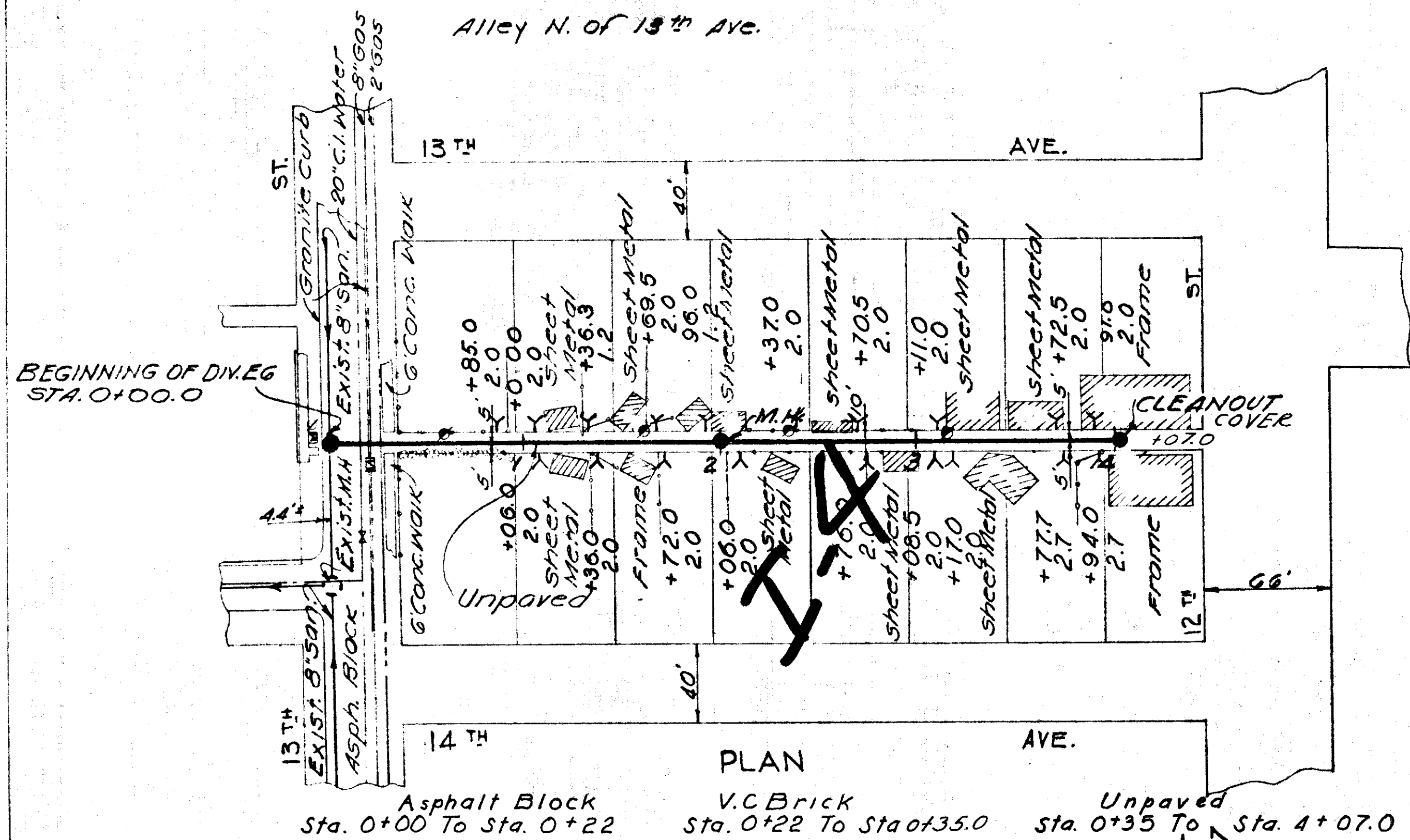
MODIFICATIONS DUE TO EXPRESSWAY SYSTEM

PIERCE STREET TO OAK AVENUE
IN CONJUNCTION WITH
S.R.D. PROJECT No 10190-3425
-3426

DES: R.M.J.	SCALES	SHEET
DR: R.M.J.	LOCATION PLAN: 1" = 200'	6
CKD: CMT	PROFILES: HORIZ: 1" = 100'	OF 14
DATE	VERT: 1" = 10'	
Nov., 1962		

Rev. Aug. 1963 to show 12" Gas at loc. @ Central & 7th.

EX. FA. #6



SEWER LINE LOCATION	
SEC. MAP No.	LINE No.

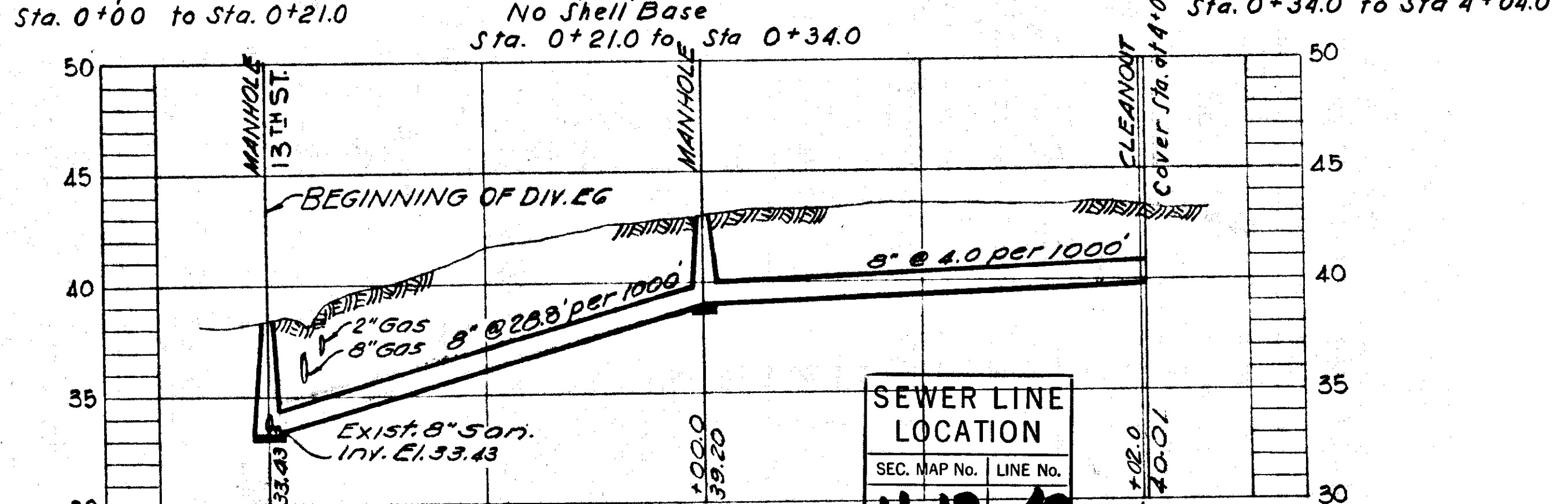
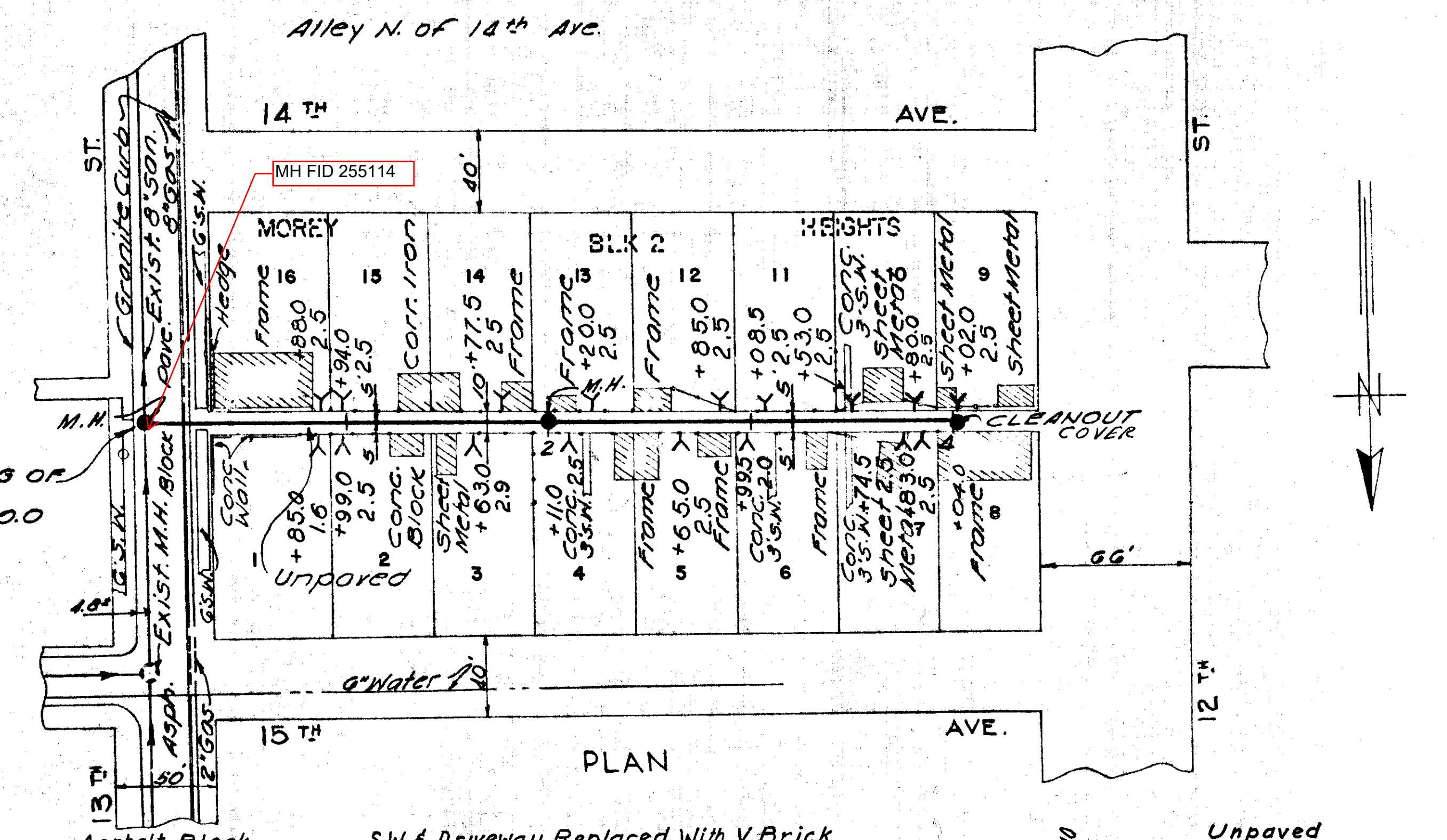
See File No
H-13-14

NOTE: Existing Live HOUSE Connections at Time of Construction of New Sewer

- 2818 13th Ave. - Sta. 1+36.3 S
- 1217 14th Ave. - Sta. 1+72.0 N
- 1214 13th Ave. - Sta. 1+96.0 S
- 1215 14th Ave. - Sta. 2+06.0 N
- 1213 14th Ave. - Sta. 2+76.0 N
- 1211 14th Ave. - Sta. 3+08.5 N
- 1203 14th Ave. - Sta. 3+77.7 N
- 2407 12th St. - Sta. 3+94.0 N

Expressway Eliminates

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.



SEWER LINE LOCATION	
SEC. MAP No.	LINE No.

H-13-42

Note: Existing Live House Connections at time Of Construction of New Sewer

- 2508 13th St. - Sta. 0+85.0 N.
- 2506 13th St. - Sta. 0+88.0 S.
- 1218 14th Ave. - Sta. 0+94.0 S.
- 1210 14th Ave. - Sta. 2+85.0 S.
- 1205 15th Ave. - Sta. 2+99.5 N
- 1206 14th St. - Sta. 3+08.5 S
- 1203 15th Ave. - Sta. 3+74.5 N
- 2503 12th St. - Sta. 3+83.0 N

NOTE - Manholes to be constructed around existing sanitary sewer, and existing sewer to be kept in operation.

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION E6	
Mx3 & Mx4	
DES: REH DR: REH CKD: WNS DATE MAY 1950	SCALE 50 0 50 100 1"=50'
SHEET E6-18 OF 22	

AS BUILT PLAN

Revised to show actual conditions according to construction records as of April 14, 1951 (G.L.L. 4-5-51)

SEE FILE # 320-16 FOR RIM AND INVERT ELEV.

MATCHLINE

MORGAN STREET
64' PORT OF WAY TO 32' ASPHALT PAVEMENT

ESTELLE STREET

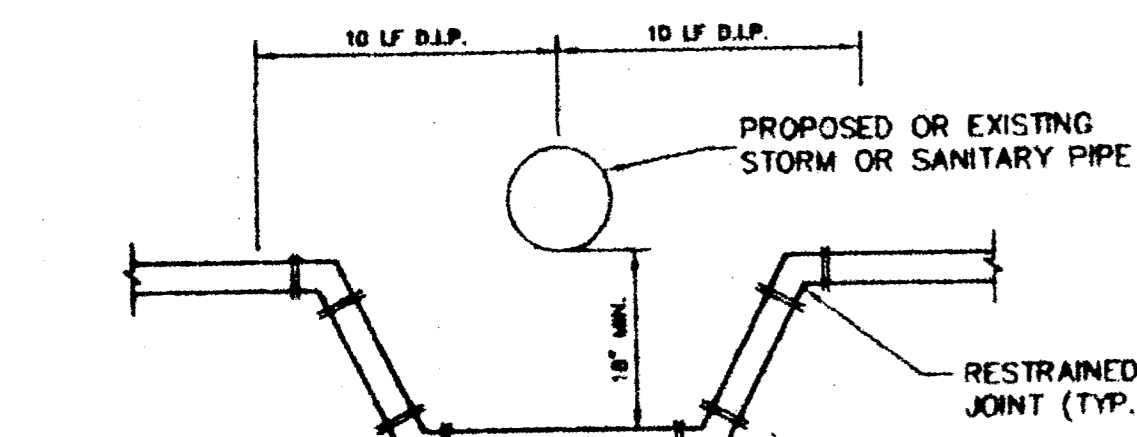
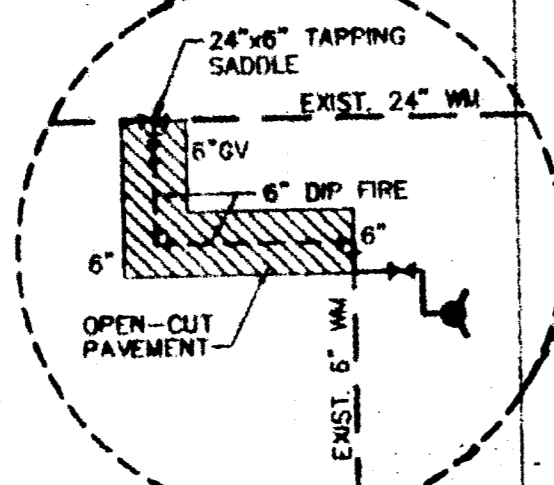
PIERCE STREET

INTERSTATE HWY. 275
(PUBLIC RIGHT OF WAY LINES)

NOTES:
1) WHERE PROPOSED SEWER AND WATER PIPES CROSS WITH LESS THAN 18 INCHES OF VERTICAL CLEARANCE, BOTH PIPES SHALL BE D.I.P. FOR 10 FEET EACH SIDE OF THE CROSSING

UTILITY CROSSING UNDER WATER MAIN
NTS

UTILITY CROSSING OVER WATER MAIN
NTS



CUT & PLUG 6" WM AND INSTALL BLOW OFF

C.O.T. CITY OF TAMPA CLEANOUT METAL

SANITARY STRUCTURE CHART

ID	DESCRIPTION	TOP	INVERT(S)
SS-1	SANITARY MANHOLE	43.75	IE=37.06(N)
			IE=37.98(S)
			IE=37.98(E)
SS-2	SANITARY MANHOLE	44.92	IE=38.78(SE)
			IE=38.80(W)
			IE=37.15(SW)
SS-3	SANITARY MANHOLE	41.10	IE=36.10(E)
			IE=37.20(N)
			IE=36.20(W)
SS-4	DOORHOUSE MANHOLE	44.10	IE=36.85(W)
			IE=36.85(E)
			IE=36.75(NBS)
SS-4A	DOORHOUSE MANHOLE	45.20	IE=36.85(E)
			IE=36.85(W)
			IE=36.85(N)
SS-5	SANITARY MANHOLE	46.80	IE=38.53(SW)
			IE=38.63(NE)
SS-6	SANITARY MANHOLE	46.00	IE=37.31(S)
			IE=37.41(N/E)
			IE=43.96(N) (Drop)
SS-7	SANITARY MANHOLE	39.81	IE=37.24(N)
			IE=37.34(NBSW)
			IE=37.24(S)
SS-8	DOORHOUSE MANHOLE	33.30	IE=29.08(W)
			IE=29.10(E)
			IE=29.08(S)
SS-9	SANITARY MANHOLE	31.25	IE=27.83(N)
			IE=27.89(SE)
			IE=27.73(W)
SS-9A	DOORHOUSE MANHOLE	31.06	IE=27.30(E/W)
			IE=27.18(S)
SS-10	SANITARY MANHOLE	37.30	IE=33.06(N)
			IE=33.70(W)
			IE=33.09(S)

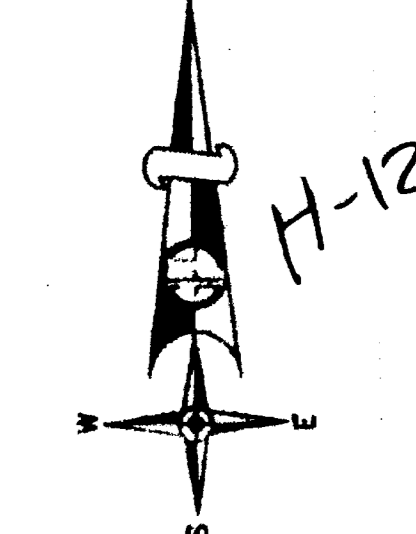
LEGEND

— 8" VCP —	EXISTING SANITARY LINE
— 12" W.M. —	EXISTING WATER LINE
— 80 LF - 8" SDR35 PVC —	PROPOSED SANITARY PIPE
— 30 LF - 8" C-900 PVC FIRE —	PROPOSED FIRE LINE
— 80 LF - 8" C-900 PVC WM —	PROPOSED WATER LINE
6" GV	PROPOSED GATE VALVE
6" CO	PROPOSED CLEANOUT
SS-10	PROPOSED HYDRANT
SS-10	STRUCTURE LABEL
●	BACTERIOLOGICAL SAMPLING POINT
6" TEE	PROPOSED TEE
6" ELBOW	PROPOSED 90° ELBOW
6" REDUCER	PROPOSED REDUCER BUSHING
UTILITY EASEMENT	UTILITY EASEMENT

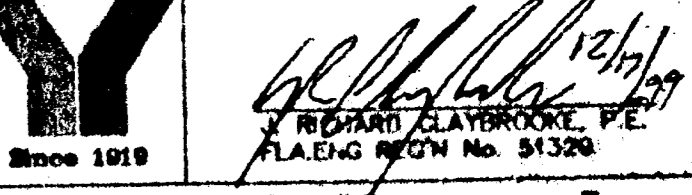
CITY OF TAMPA NOTE:
TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE MINIMUM BUILDING CODES

UTILITY PLAN

NOTE:
RECORD DRAWINGS BASED ON AS-BUILT INFORMATION PROVIDED BY GLOBAL SURVEYING, P.A. (COPY ATTACHED)



GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

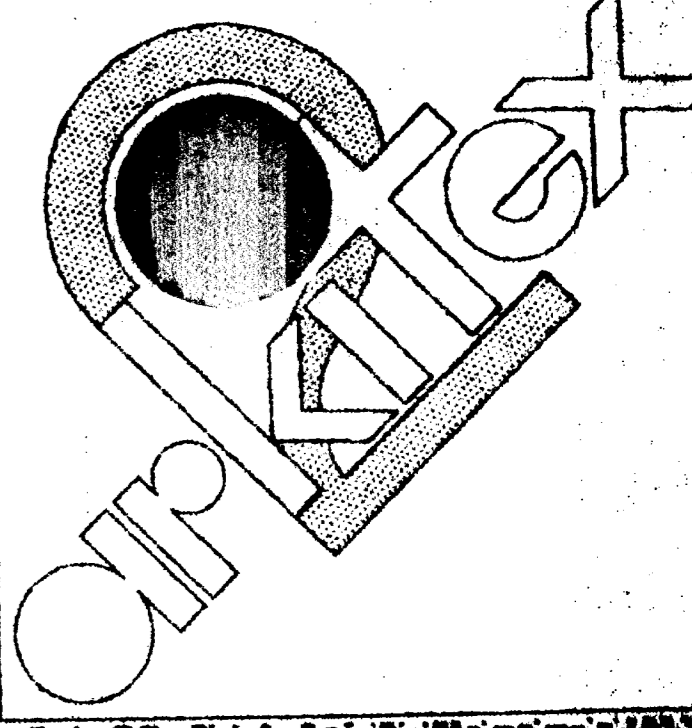


George F. Young, Inc.
LANDSCAPE ARCHITECTURE • PLANNING • SURVEYING
401 SEVENTH AVENUE EAST
TAMPA HEIGHTS, TAMPA, FLORIDA 33602-1831
TEL: (813) 223-1747 FAX: (813) 223-0887

MOBLEY PARK APARTMENTS
FOR
Bank of America
and
Housing by St. Laurence

CLIENT'S PROJ. NO. 17A
401 SEVENTH AVENUE EAST
TAMPA HEIGHTS, TAMPA, FLORIDA

4825 WEST CYPRESS STREET, TAMPA, FLORIDA 33607. PHONE (813) 889-1849. FAX (813) 289-6086.
COPYRIGHT © 1997 BY MOBLEY P. ALL RIGHTS RESERVED. NO PART OF THIS WORK CAN BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF MOBLEY P.



CONSTRUCTION DRAWING

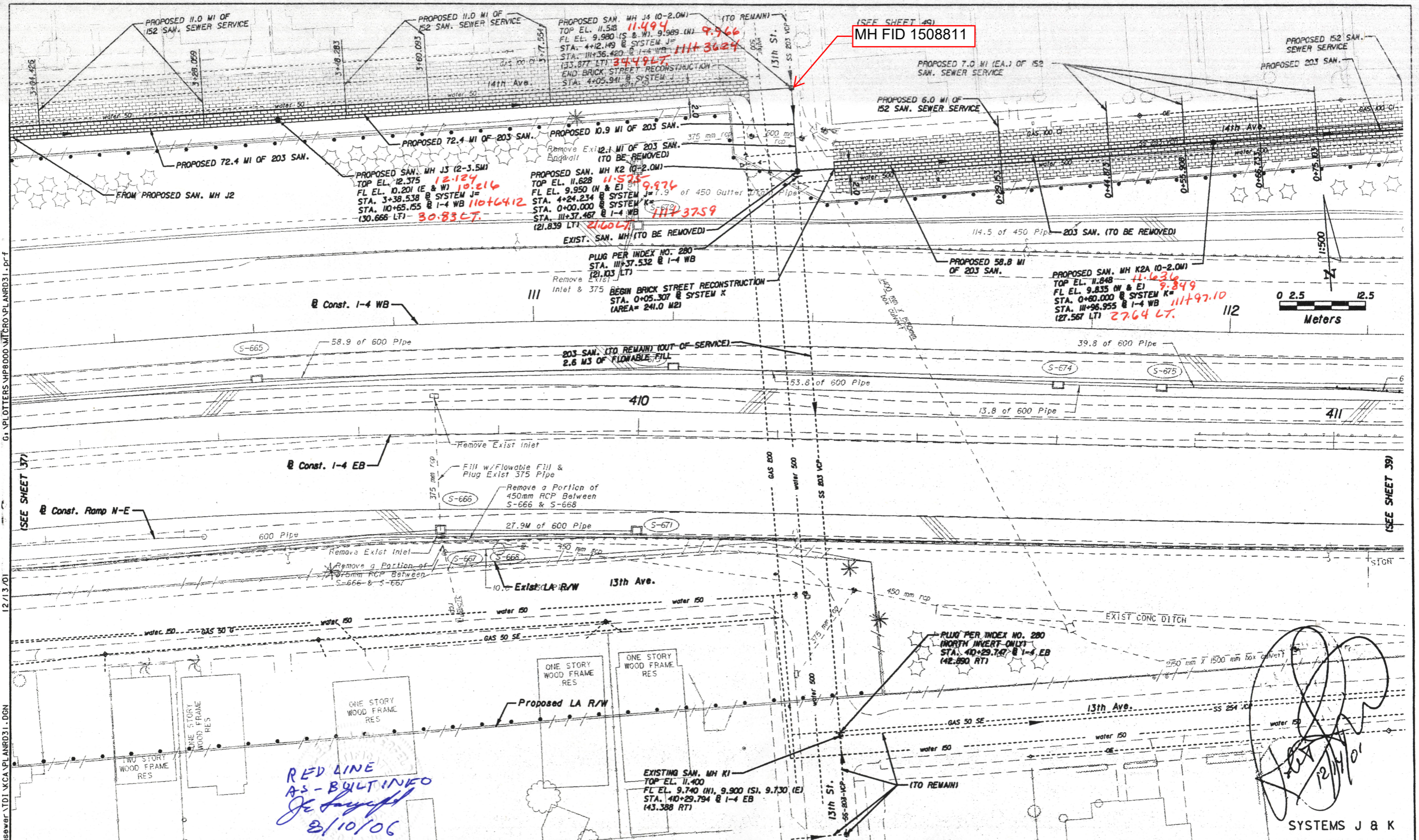
OTERO ENGINEERING
RECORD DRAWING

DATE: 12/17/99
ENGINEER: C-52

PROJECT NUMBER: 042
SHEET NUMBER: 12/17/99
C-52

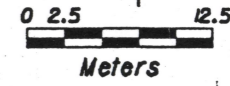
FILE: E:\PROJECTS\MOBLEY PARK\CONSTR10.DWG

320-14



RED LINE AS-BUILT INFO
J. J. [Signature]
8/10/06

[Handwritten signature]
12/11/06
SYSTEMS J & K



REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED

PREPARED BY:
PB
Parsons Brinckerhoff
Quade & Douglas, Inc.
5425 West Cypress St. Suite 300
Tampa, Florida 33607
(813) 289-5300
Emp. Div. No. E00000462



CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS
306 E. JACKSON ST. SE
TAMPA FLORIDA 33602
PHONE: (813) 874-8070
FAX: (813) 274-6448

APPROVED BY:

LICENSE NO.:

SANITARY SEWER RELOCATIONS
FROM THE HILLSBOROUGH RIVER TO
FLORIBASKA AVENUE

FINANCIAL PROJECT ID
258643-1-56-04

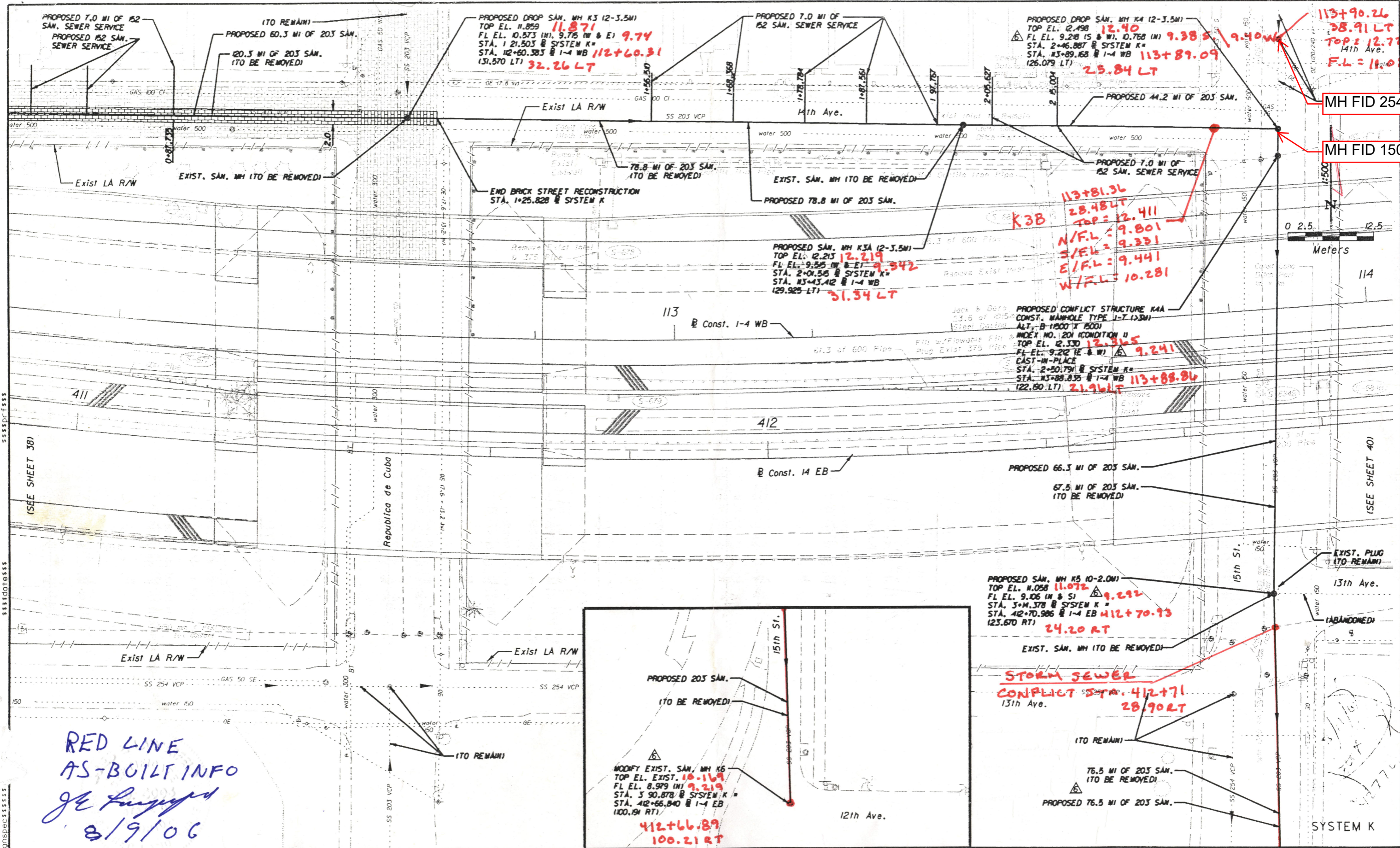
WORK ORDER NO.
99-07

SHEET NO.
38

GA PLOTTERS HP8000 MFCRO-PLNRD31.DWG

12/13/01

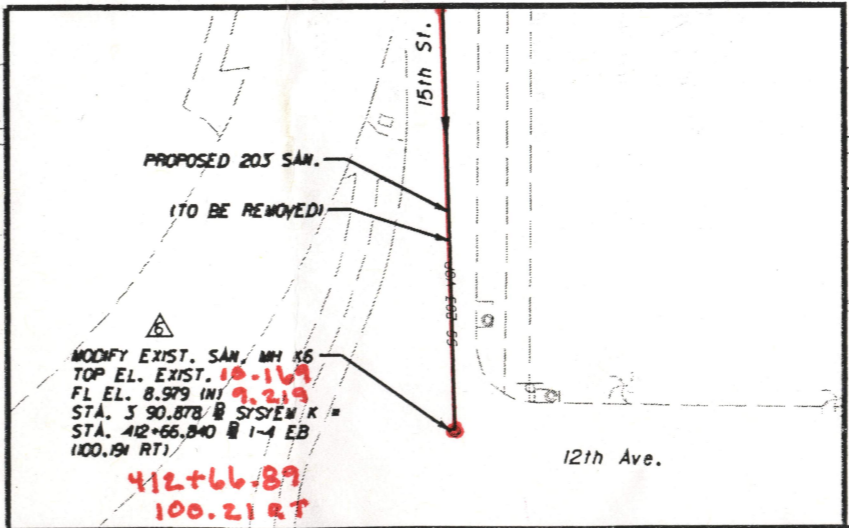
H:\01\tyofmp\sewer\TDI\KCA\PLNRD31.DWG



RED LINE
AS-BUILT INFO
JL
8/19/06

MH FID 254934

MH FID 1508808



REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED
1	2/20/04	Revised 203 San. Sewer and Added MH K6	

PREPARED BY:
PB
Parsons Brinckerhoff
Quade & Douglas, Inc.
5405 West Cypress St., Suite 300
Tampa, FL 33607
PH: (813) 289-5300
Eng. Bus. No. E-80000462



CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS
306 E. JACKSON ST., 6E
TAMPA FLORIDA 33602
PHONE: (813) 274-8070
FAX: (813) 274-8448

APPROVED BY:
LICENSE NO.

SANITARY SEWER RELOCATIONS
FROM THE HILLSBOROUGH RIVER TO
FLORIBRASKA AVENUE

FINANCIAL PROJECT ID
258643-1-56-04

WORK ORDER NO.
99-07

SHEET NO.
39

B066-083