Contract Administration
Michael W. Chucran, Director
306 East Jackson Street, 4N
Tampa, FL 33602

Office (813) 274-8116
Fax: (813) 274-7368

City of Tampa
Jane Castor, Mayor

ADDENDUM 1
Via E-Mail
DATE: May 26, 2022

Contract: 22-C-00015; Kennedy Blvd Gravity Sewer Rehabilitation by CIPP

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Item 1: The bid date is hereby changed to June 14, 2022.

Item 2: Replace Proposal page P-2 with the attached Proposal page P-2R.

Item 3: Insert the attached As-Built Drawing sheets 7, A-1, R-6, XE13-15, XE13-17, XE13-23, SS-4, SS-5, 147-44, 5, 3, 1of 3, 1of 2, C1.2, C1.4, WW 1.1 and SPE-650.

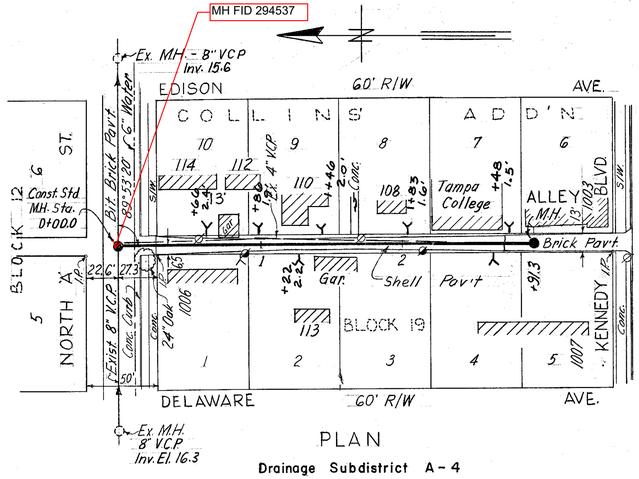
All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to ContractAdministration@tampagov.net.

Jim Greiner

Jim Greiner, P.E., Contract Management Supervisor

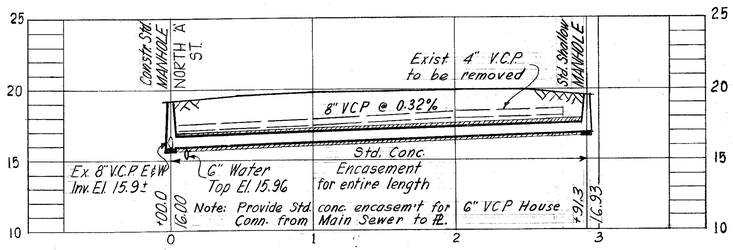
Kennedy Blvd Gravity Sewer Rehabilitation by CIPP
Contract 22-C-00015

Item No.	Item	Quantity	Unit	Unit Price in Words	Unit Price	Total
100	Contingency	1	LS	One Hundred Thousand Dollars	$100,000.00	$100,000.00
102	Maintenance of Traffic	1	LS	Ten Thousand Dollars	$10,000.00	$10,000.00
0408.2360	Cured in Place Pipe for 8" Dia. Gravity Sewer (.236 inch thick)	8,371	LF			
0410.2950	Cured in Place Pipe for 10" Dia. Gravity Sewer (.295 inch thick)	342	LF			
0415.2950	Cured in Place Pipe for 15" Dia. Gravity Sewer (.295 inch thick)	1,605	LF			
0601.08	Hydraulic Cleaning & Inspection of 8" Dia. Gravity Sewer	7,265	LF			
0601.10	Hydraulic Cleaning & Inspection of 10" Dia. Gravity Sewer	342	LF			
0601.15	Hydraulic Cleaning & Inspection of 15" Dia. Gravity Sewer	1,605	LF			
9000	Sewer Bypass with Tanker Truck	500	Hrs			
9050.08	Sewage Bypass Pumping for 8" Dia. Sewer	21,424	LF			
9050.10	Sewage Bypass Pumping for 10" Dia. Sewer	327	LF			
9050.15	Sewage Bypass Pumping for 15" Dia. Sewer	74	LF			
0621.08	Cleaning & Inspection of Tuberculated Cast Iron or Ductile Iron Sewer , 8" Dia.	1,106	LF			
0621.10	Cleaning & Inspection of Tuberculated Cast Iron or Ductile Iron Sewer , 10" Dia.	50	LF			
0621.15	Cleaning & Inspection of Tuberculated Cast Iron or Ductile Iron Sewer , 15" Dia.	50	LF			
0602.08	Additional Mechanical Cleaning & Inspection of 8" Dia. Gravity Sewer	50	LF			
0602.10	Additional Mechanical Cleaning & Inspection of 10" Dia. Gravity Sewer	50	LF			
0602.15	Additional Mechanical Cleaning & Inspection of 15" Dia. Gravity Sewer	50	LF			
2050	Reconnect Service Connections	173	EA			
2051.08	Chemical Grout Unit - chemical grout lateral post liner install - 8-inch gravity pipe diameter	160	EA			
2051.10	Chemical Grout Unit - chemical grout lateral post liner install - 10-inch gravity pipe diameter	10	EA			
2052.10	Chemical Grout Unit - chemical grout lateral post liner install - 15-inch gravity pipe diameter	10	EA			
4800	Manhole Rehabilitation by Coating System min. 250 mils thickness	2,400	SF			
4600	Cast Iron Frame and Cover	12	EA			
700	Disposal of Debris	50	CY			
					Total	



PLAN

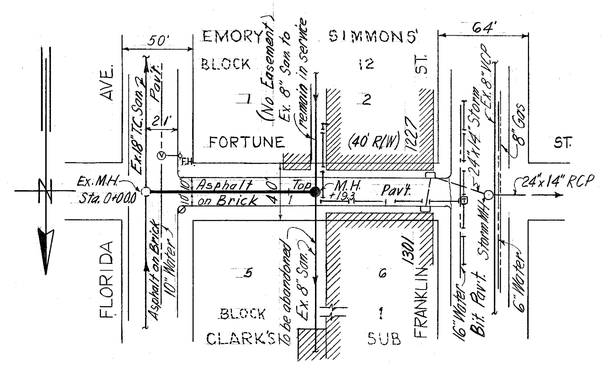
Drainage Subdistrict A-4



PROFILE

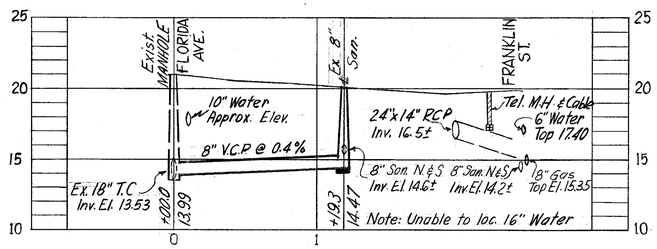
W.O. 1604

TBM. used: Elev. 19.804
Nail in root of 24" Oak
@ S.W. corner of North
'A' St. and Alley.
(run in from A-365)



PLAN

Drainage Subdistrict A-13



PROFILE

W.O. 1650

B.M. # 59 (G. & H.) Elev. 19.12
Sidewalk @ S.E. corner of
Florida Ave. & Constant St.

R & R 48 W.O. 1604 & 1650

CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT

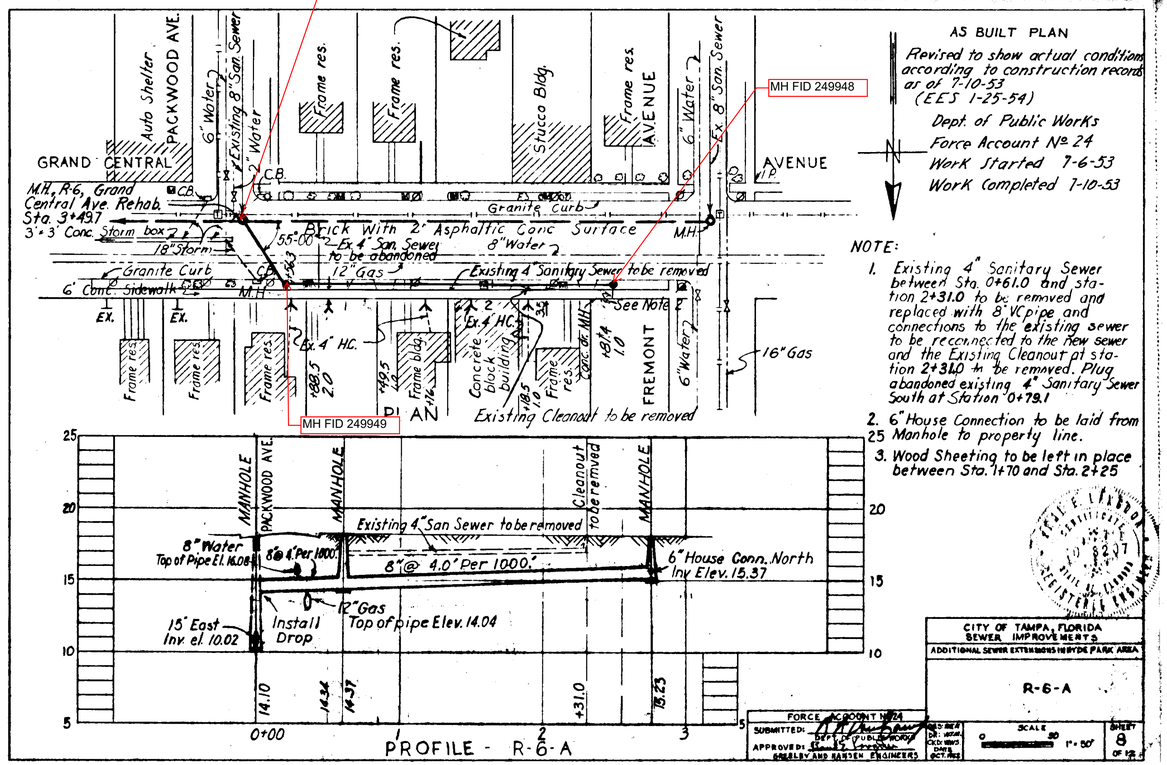
SEWER IMPROVEMENTS

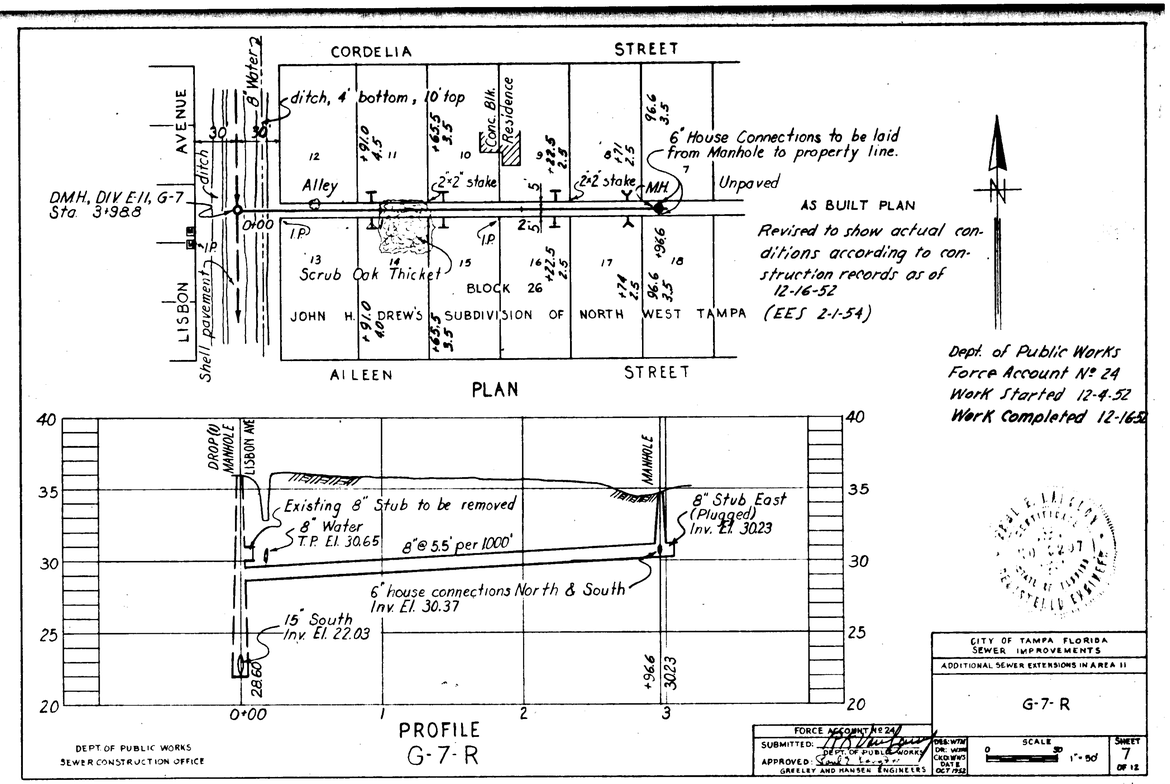
ALLEY E. of Delaware St.: North 'A' St. to Kennedy Blvd.

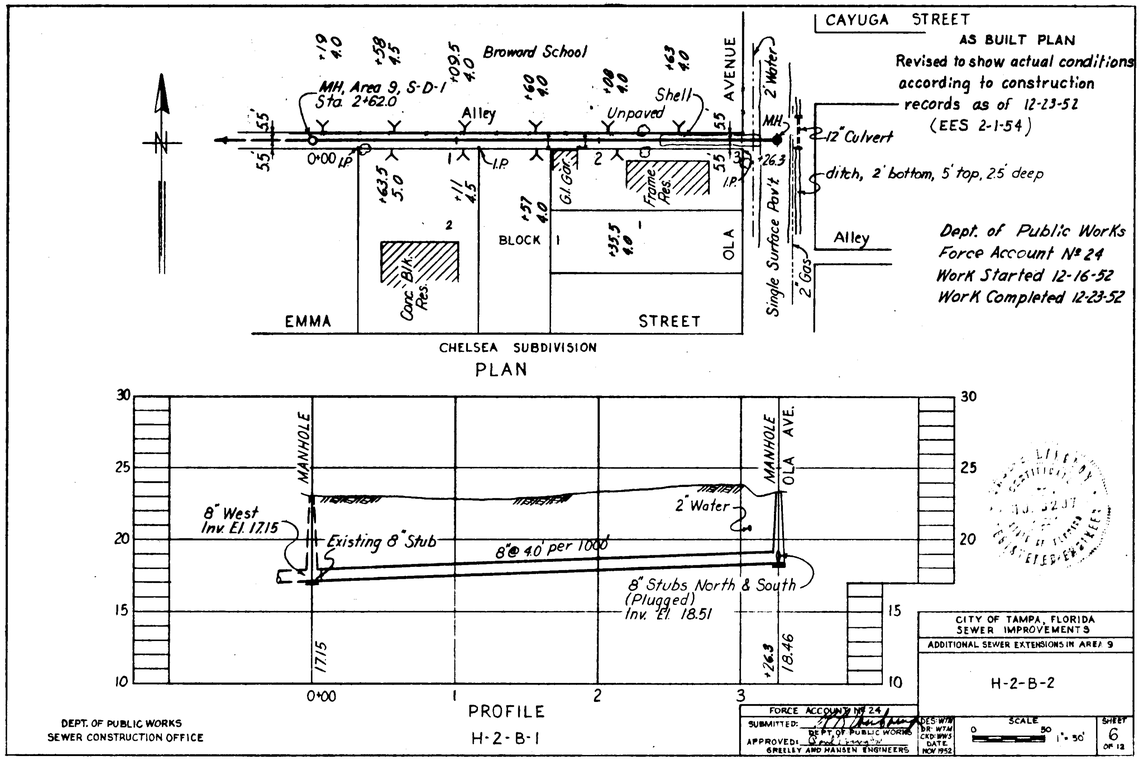
FORTUNE ST.: 119'± W. of Florida Ave. to Florida Ave.

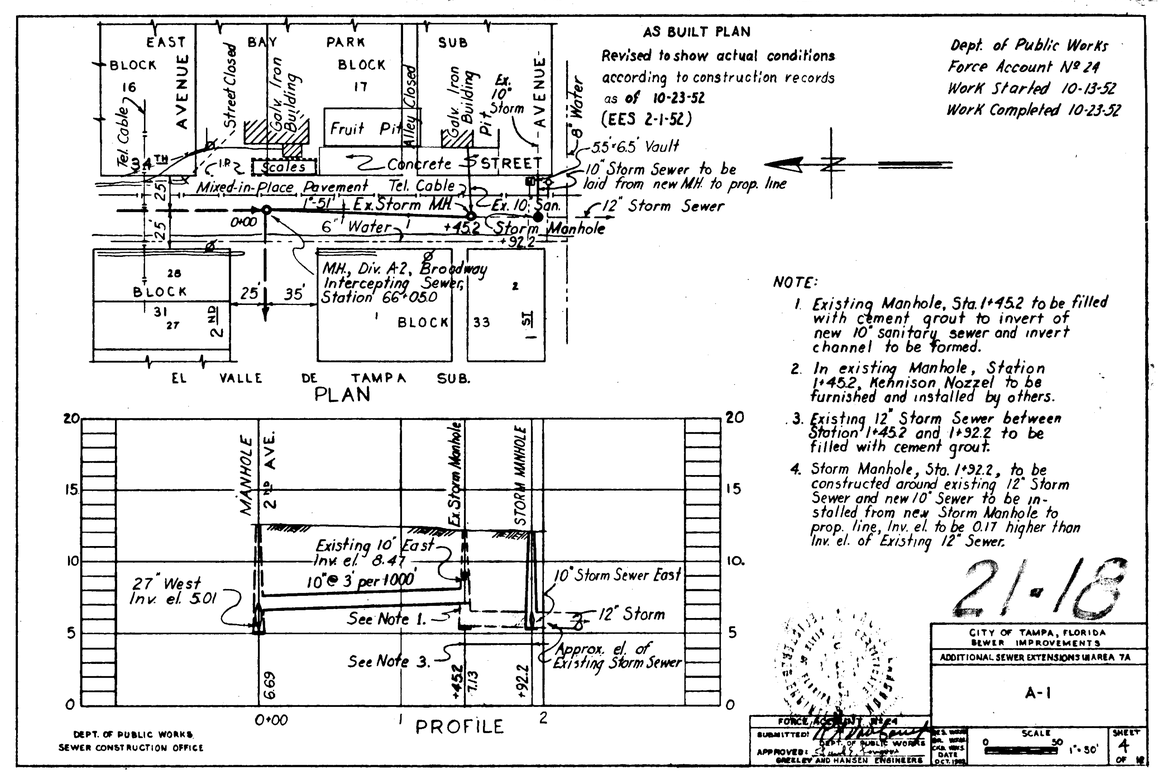
DES: J.M.R DRN: J.M.R CKD: C.M.T DATE: MAY 1964	SCALE 50 0 50 100 1" = 50'	SHEET 7 OF 8

4-44


MH FID 249947
MH FID 249948
MH FID 249949
AS BUILT PLAN
Revised to show actual conditions according to construction records as of 7-10-53 (EES 1-25-54)
Dept. of Public Works
Force Account Nº 24
Work Started 7-6-53
Work Completed 7-10-53
NOTE:
1. Existing 4" Sanitary Sewer between Sta. 0+61.0 and station 2+31.0 to be removed and replaced with 8" VC pipe and connections to the existing sewer to be reconnected to the New sewer and the Existing Cleanout at station 2+31.0 to be removed. Plug abandoned existing 4" Sanitary Sewer South at Station 0+79.1
2. 6" House Connection to be laid from Manhole to property line.
3. Wood Sheeting to be left in place between Sta. 1+70 and Sta. 2+25
GRAND CENTRAL AVENUE
PACKWOOD AVE.
FREMONT
Brick With 2" Asphaltic Conc Surface
Existing 4" Sanitary Sewer to be removed
Existing Cleanout to be removed
See Note 2
16" Gas
PLAN
MANHOLE
Existing 4" San Sewer to be removed
Cleanout to be removed
8" Water Top of Pipe El. 16.08
8"@ 4" Per 1000'
8"@ 4.0" Per 1000'
6" House Conn. North Inv Elev. 15.37
12" Gas Top of pipe Elev. 14.04
15" East Inv. el. 10.02
Install Drop
PROFILE - R-6-A
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
ADDITIONAL SEWER EXTENSIONS IN HYDE PARK AREA
R-6-A
FORCE ACCOUNT Nº 24
SUBMITTED:
APPROVED:
GREELEY AND HANSEN ENGINEERS
SCALE
SHEET 8 OF 12


CORDELIA STREET
LISBON AVENUE
AILEEN STREET
ditch, 4' bottom, 10' top
6" House Connections to be laid from Manhole to property line.
Unpaved
DMH, DIV E-11, G-7 Sta. 3+98.8
Alley
Scrub Oak Thicket
BLOCK 26
JOHN H. DREW'S SUBDIVISION OF NORTH WEST TAMPA
Shell pavement
PLAN
AS BUILT PLAN
Revised to show actual conditions according to construction records as of 12-16-52 (EES 2-1-54)
Dept. of Public Works
Force Account Nº 24
Work Started 12-4-52
Work Completed 12-16-52
DROP (1) MANHOLE
LISBON AVE
MANHOLE
Existing 8" Stub to be removed
8" Water T.P. El. 30.65
8"@ 5.5' per 1000'
8" Stub East (Plugged) Inv. El. 30.23
6" house connections North & South Inv. El. 30.37
15" South Inv. El. 22.03
PROFILE
G-7-R
DEPT. OF PUBLIC WORKS
SEWER CONSTRUCTION OFFICE
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
ADDITIONAL SEWER EXTENSIONS IN AREA II
G-7-R
FORCE ACCOUNT Nº 24
SUBMITTED:
APPROVED:
GREELEY AND HANSEN ENGINEERS
SCALE
SHEET 7 OF 12


CAYUGA STREET
AS BUILT PLAN
Revised to show actual conditions according to construction records as of 12-23-52 (EES 2-1-54)
Dept. of Public Works
Force Account Nº 24
Work Started 12-16-52
Work Completed 12-23-52
Broward School
MH, Area 9, S-D-1 Sta. 2+62.0
Alley
Unpaved
Shell
12" Culvert
ditch, 2' bottom, 5' top, 2.5' deep
Single Surface Pav't
EMMA STREET
BLOCK
OLA AVENUE
CHELSEA SUBDIVISION
PLAN
MANHOLE
8" West Inv. El. 17.15
Existing 8" Stub
8"@ 4.0' per 1000'
2" Water
8" Stubs North & South (Plugged) Inv. El. 18.51
PROFILE
H-2-B-1
DEPT. OF PUBLIC WORKS
SEWER CONSTRUCTION OFFICE
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
ADDITIONAL SEWER EXTENSIONS IN AREA 9
H-2-B-2
FORCE ACCOUNT Nº 24
SUBMITTED:
APPROVED:
GREELEY AND HANSEN ENGINEERS
SCALE
SHEET 6 OF 12

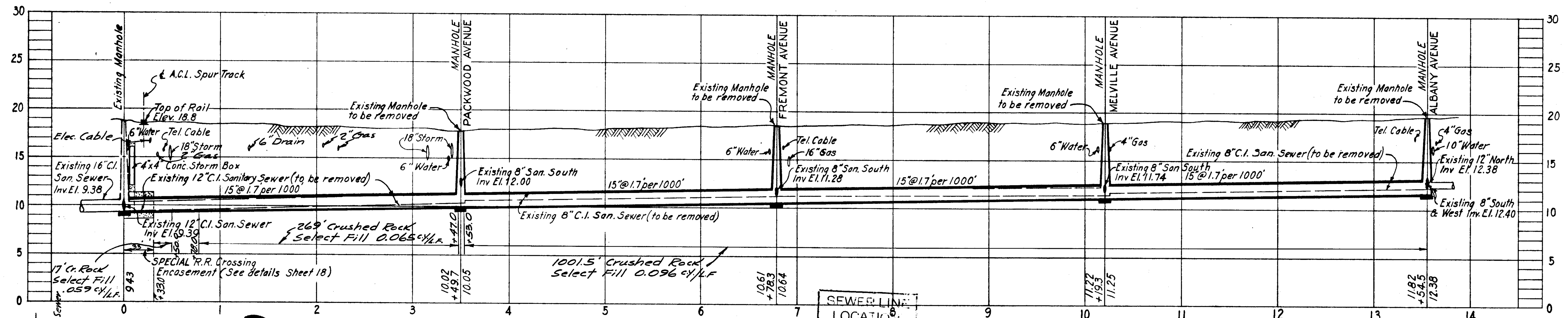

EAST BAY PARK SUB
BLOCK 16
BLOCK 17
AVENUE
Street Closed
Galv. Iron Building
Fruit Pit
Alley Closed
Scales
Concrete STREET
Mixed-in-Place Pavement
Tel. Cable
Ex. Storm MH
Ex. 10" San.
6" Water
Storm Manhole
AS BUILT PLAN
Revised to show actual conditions according to construction records as of 10-23-52 (EES 2-1-52)
Dept. of Public Works
Force Account Nº 24
Work Started 10-13-52
Work Completed 10-23-52
55'+6.5' Vault
10" Storm Sewer to be laid from new MH. to prop. line
12" Storm Sewer
MH, Div. A-2, Broadway Intercepting Sewer, Station 66+05.0
BLOCK 28
BLOCK 33
EL VALLE DE TAMPA SUB.
PLAN
MANHOLE
Ex. Storm Manhole
STORM MANHOLE
Existing 10" East Inv. el. 8.47
10"@ 3' per 1000'
27" West Inv. el. 5.01
10" Storm Sewer East
12" Storm
See Note 1.
See Note 3.
Approx. el. of Existing Storm Sewer
PROFILE
DEPT. OF PUBLIC WORKS
SEWER CONSTRUCTION OFFICE
NOTE:
1. Existing Manhole, Sta. 1+45.2 to be filled with cement grout to invert of new 10" sanitary sewer and invert channel to be formed.
2. In existing Manhole, Station 1+45.2, Kennison Nozzel to be furnished and installed by others.
3. Existing 12" Storm Sewer between Station 1+45.2 and 1+92.2 to be filled with cement grout.
4. Storm Manhole, Sta. 1+92.2, to be constructed around existing 12" Storm Sewer and new 10" Sewer to be installed from new Storm Manhole to prop. line, Inv. el. to be 0.17 higher than Inv. el. of Existing 12" Sewer.
21-18
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
ADDITIONAL SEWER EXTENSIONS IN AREA 7A
A-1
FORCE ACCOUNT Nº 24
SUBMITTED:
APPROVED:
GREELEY AND HANSEN ENGINEERS
SCALE
SHEET 4 OF 12

* Denotes house connections plugged at sewer.

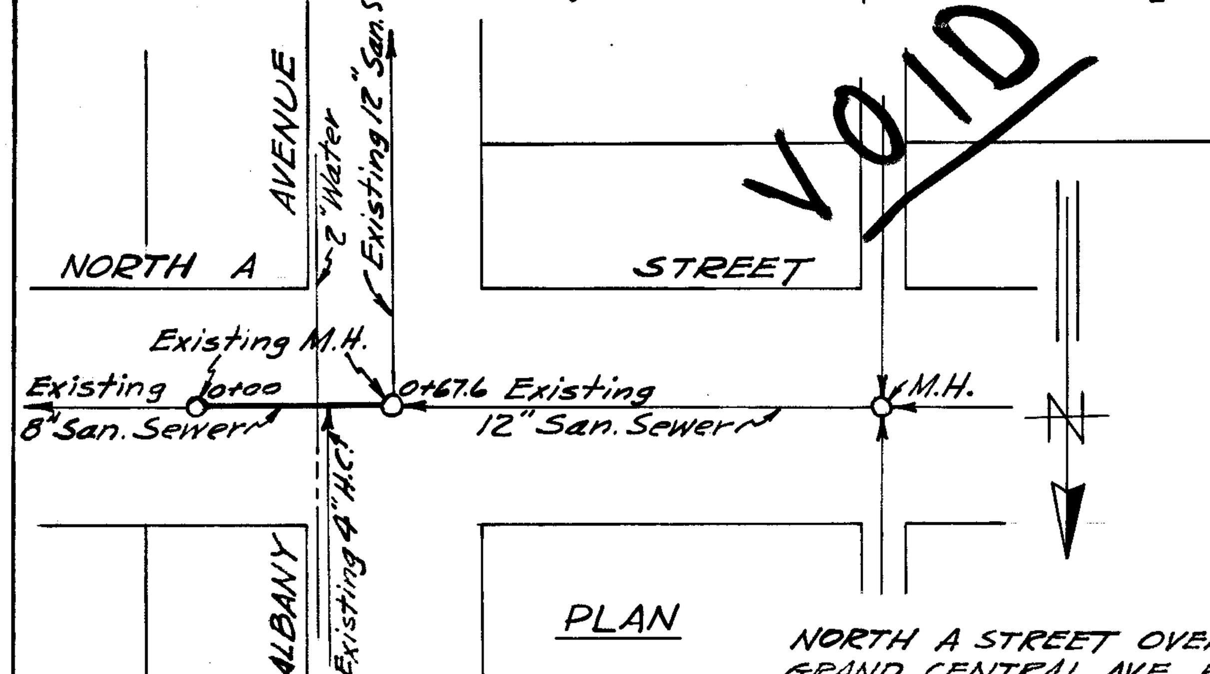
AS-BUILT PLAN

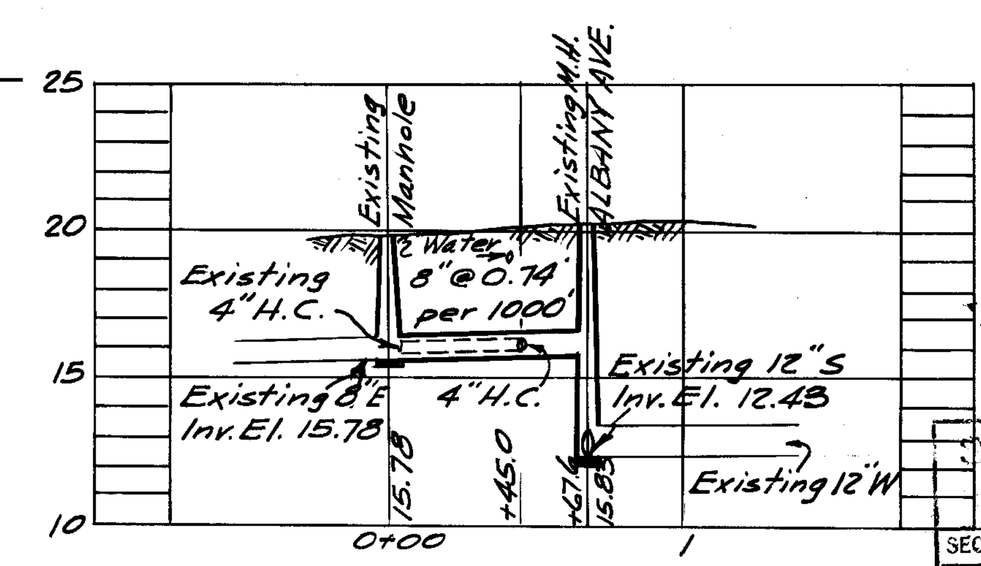
Revised to show actual conditions according to construction records as of 1-6-53 (J.J.S. 1-9-53)

Asphaltic Concrete Pavement
Sta. 0+00 to Sta. 13+54.5



PROFILE
R-6





NORTH A STREET OVERFLOW SEWER
GRAND CENTRAL AVE. REHABILITATION
Scale: 1"=50'-0"

NOTE: 4" House connection to be removed from Sta. 0+00 to Sta. 0+45± & connections to the existing sewer to be reconnected to the new overflow sewer.

SEWER LINE LOCATION — SEC. MAP No. I-11 — LINE No. 31

SEWER LINE LOCATION — SEC. MAP No. I-11 — LINE No. 32

Existing live house connections at time of construction of new sewer.

STA.	DIR.	ADDRESS
0+89.0	N	1703- Gr. Central Ave.
1+40.3	S	1702- Gr. Central Ave.
2+93.0	N	1715- Gr. Central Ave.
4+03.8	N	1719-1727- Gr. Central Ave.
4+54.5	S	1804- Gr. Central Ave.
5+05.5	S	1806- Gr. Central Ave.
5+56.0	S	1808- Gr. Central Ave.
7+81.4	N	1903- Gr. Central Ave.
7+81.4	S	1904- Gr. Central Ave.
8+31.0	N	1905- Gr. Central Ave.
8+71.5	S	1908- Gr. Central Ave.
8+81.5	N	1907- Gr. Central Ave.
10+19.3	N	2001- Gr. Central Ave.
12+76.3	N	2019- Gr. Central Ave.

NOTE:
1. Existing 8" & 12" san. sewers in Grand Central Ave. to be removed and replaced by 15" V.C. Pipe, and connections to the existing sewer to be reconnected to new sewer and all existing manholes to be removed and new manholes to be built as shown
2. All new 6" V.C. house connections on South side of street to be installed from new sewer to property line. Existing 4" house connections on South side of street to be removed and replaced with 6" V.C. pipe from new sewer to property line. All new 6" V.C. house connections on North side of street to be plugged at sewer. Existing 4" house connections on North side of street to be reconnected to new sewer, using 4"x6" V.C. increaser at end of undisturbed house connections
3. Pavement to be replaced with 8-inch shell base and 2-inch cold-mix asphalt immediately after backfilling of trench. After final settlement occurs the surface is to be brought to original crown and cross-section with asphaltic concrete. Payment for the shell base and all asphaltic surfacing will be made under Contract Item 17d and 17b, respectively

DEPT. OF PUBLIC WORKS
SEWER CONSTRUCTION OFFICE

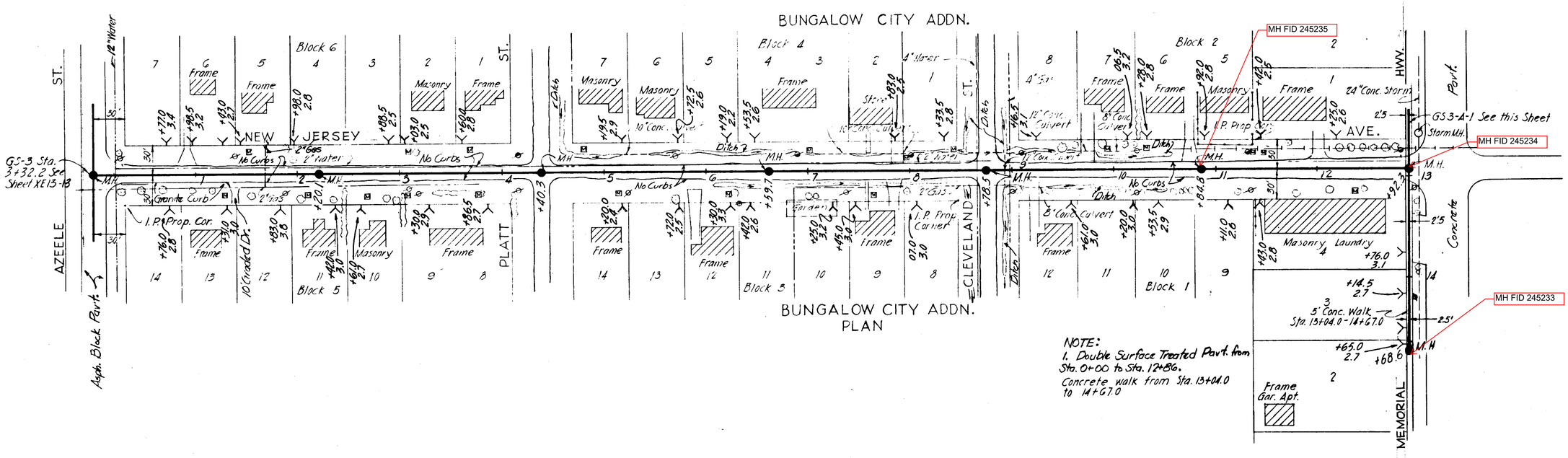
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
GRAND CENTRAL AVENUE • REHABILITATION •

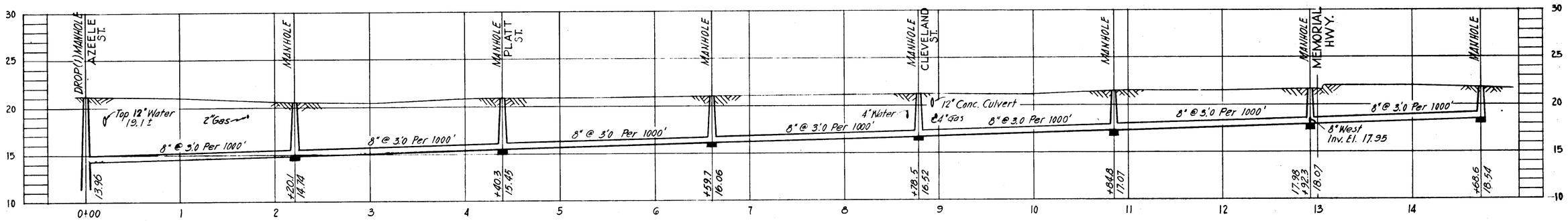
R-6

DES: A.T.J.Jr. DR: A.T.J.Jr. CKD: W.W.S.
DATE AUG. 1951
SCALE 1"=50'
SHEET 16 OF 18

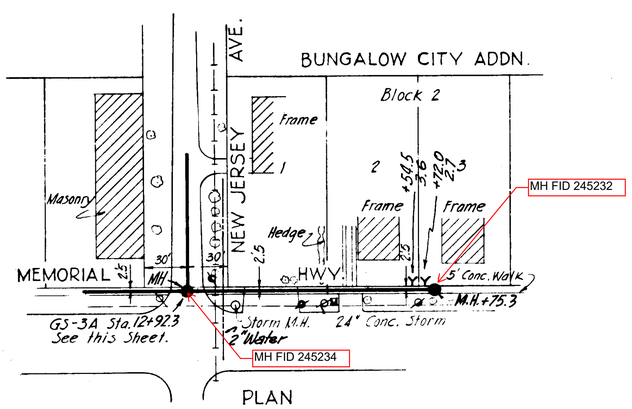
Note: See File No. 21-6

27-17





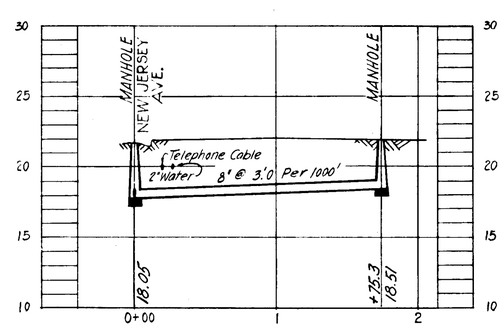
PROFILE
GS-3A



PLAN

NOTE: Concrete Pavement from Sta. 0+00.0 to Sta. 0+12.0. Concrete walk from Sta. 0+12.0 to Sta. 0+75.0.

GS-3A-1



PROFILE

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of (R.V.J. 5-9-56)

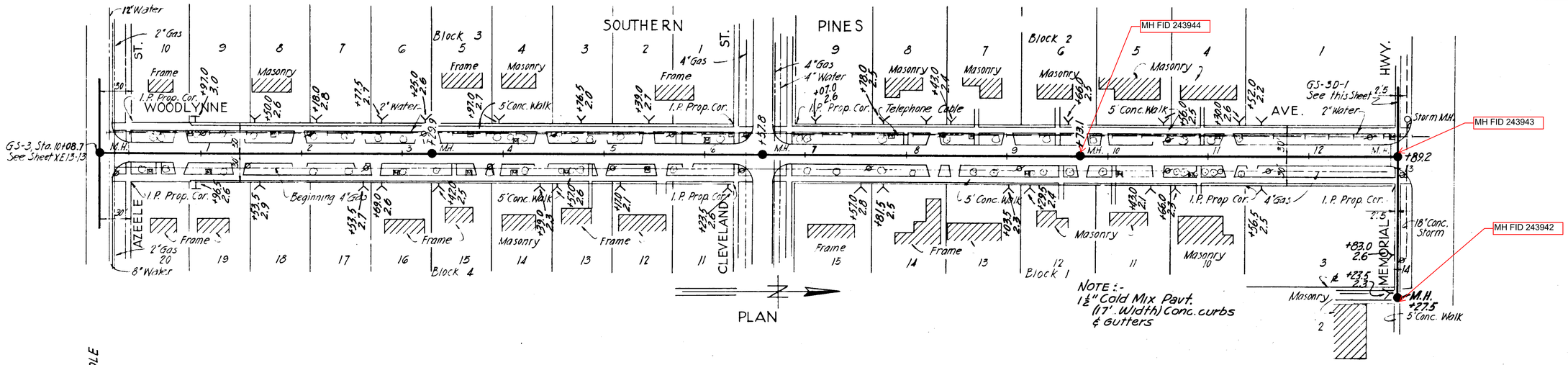
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE13

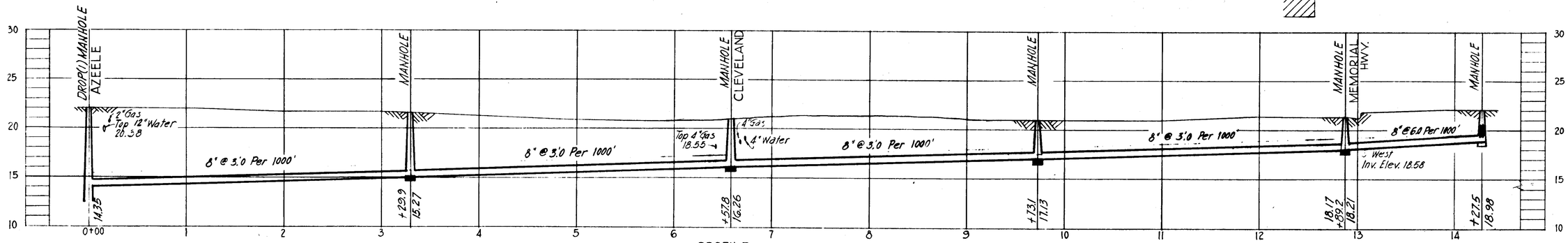
GS-3A & GS-3A-1

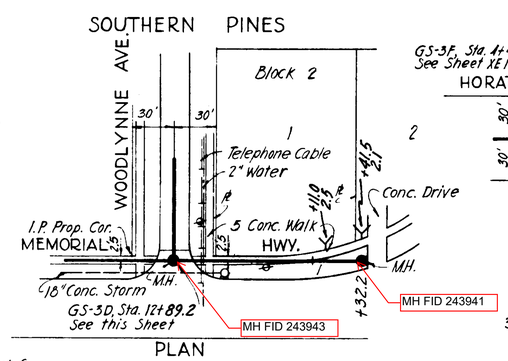
DES. E.C.A. DR. E.C.A. CKD. E.E.S. DATE: NOV. 1954	SCALE 50 0 50 100 1" = 50'	SHEET XE13-15 OF 30

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

62-15

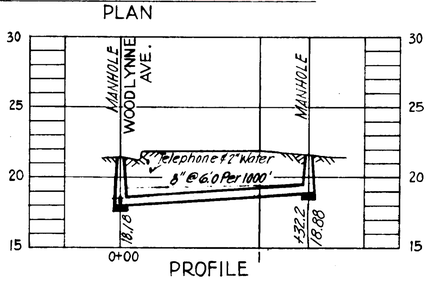


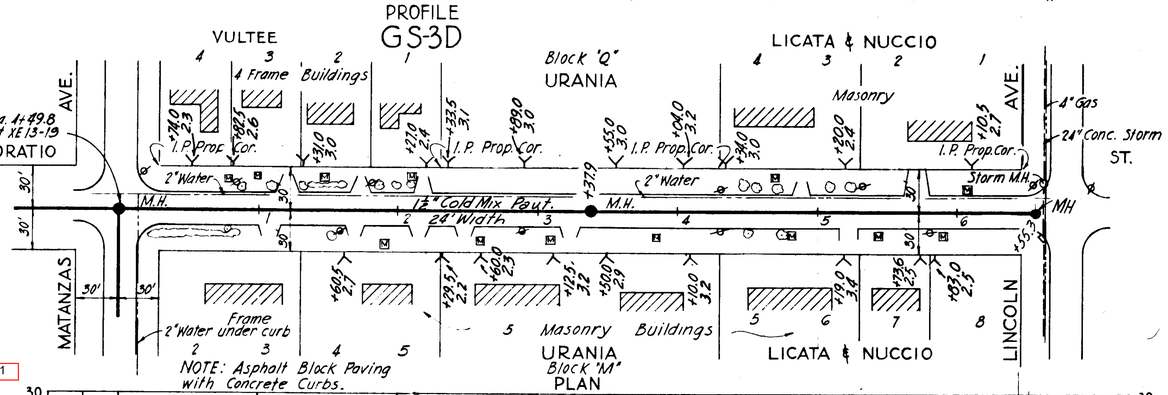


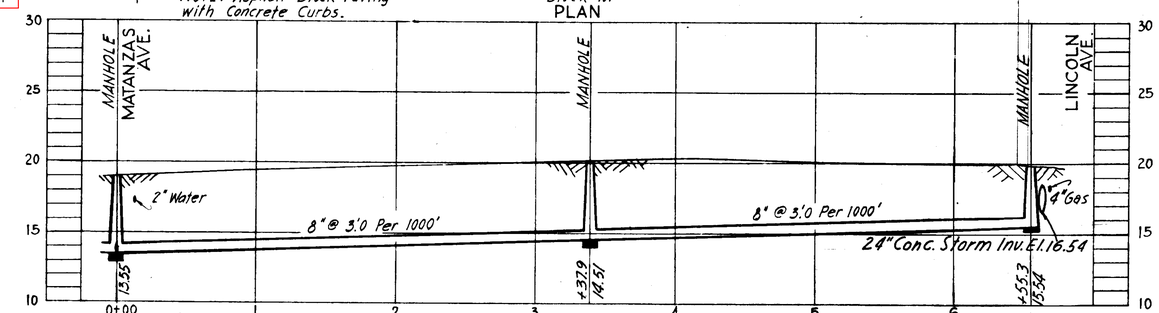


NOTE: Concrete Pavement from Sta. 0+00. to Sta. 0+15. Concrete Sidewalk from Sta. 0+15. to Sta. 1+00. Sta. 1+00 to Sta. 1+35. unpaved.

Paving not a new cut?







AS-BUILT PLAN
Revised to show actual conditions according to construction record as of (R.V.J. 5-14-56)

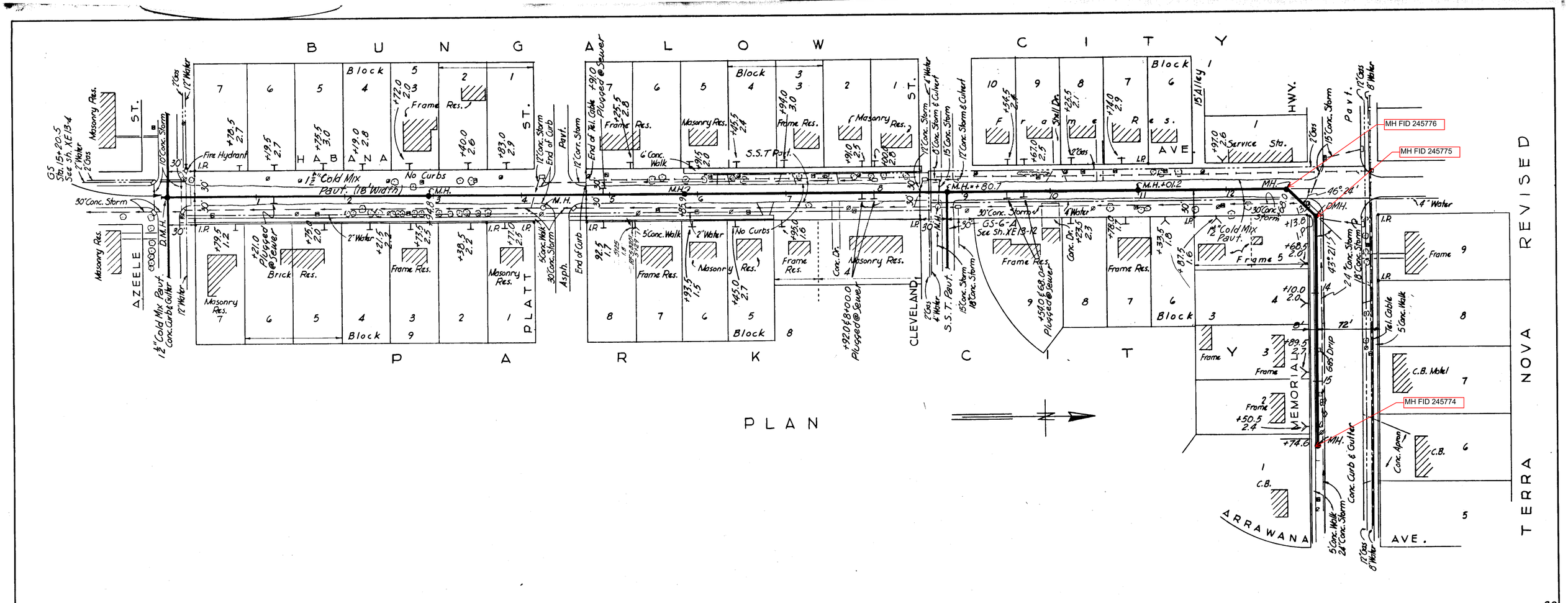
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE13

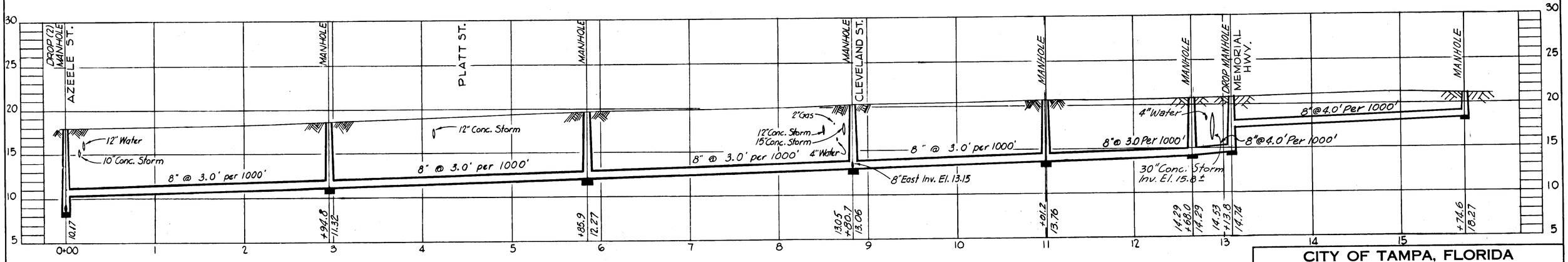
GS-3D, GS-3D-1 & GS-3F-1

DES. E.C.A.	SCALE	SHEET
DR. E.C.A.	50 0 50 100 1" = 50'	XE13-17
CKD. E.E.S		OF 50
DATE: NOV. 1954		

62-17



PLAN



PROFILE
GS-6

NOTE:
------ Property lins as indicated by Hillsborough County Tax Records

AS-BUILT PLAN
Revised to show actual conditions according to construction record as of (R.V.J. 5-22-56)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE13

GS-6

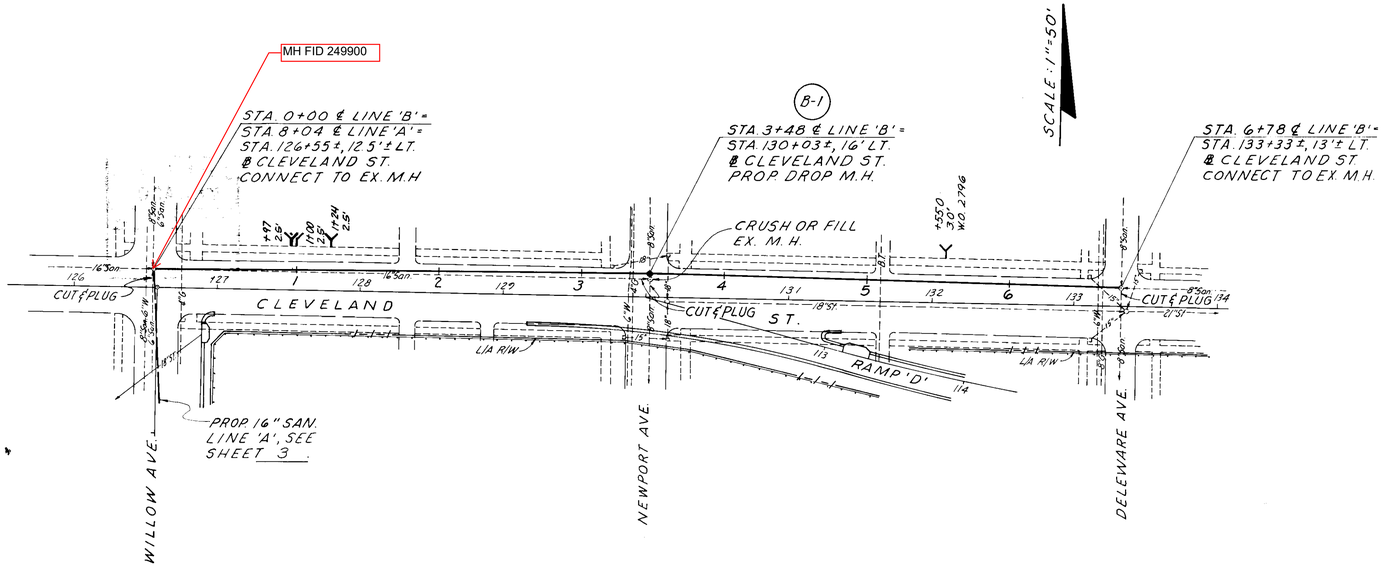
DES. C.M.T.
DR. C.M.T.
CKD. E.E.S.
DATE: NOV. 1954

SCALE: 50 0 50 100 1" = 50'

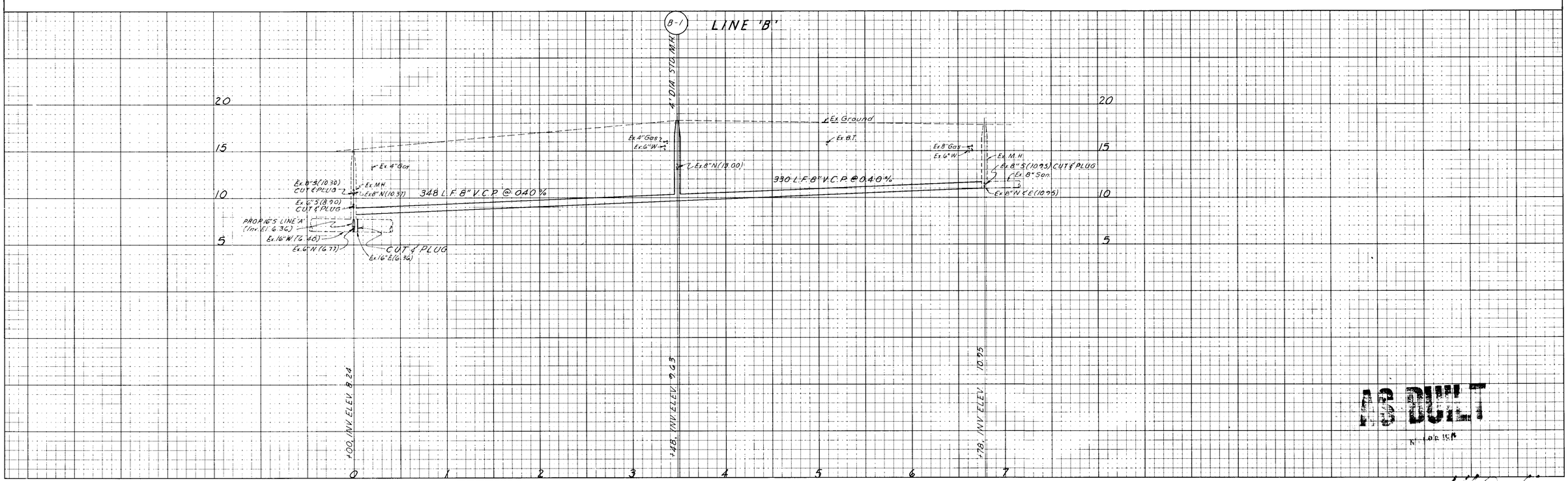
SHEET XE13-23 OF 30

62

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		SS-4
By:	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:



SEWER LINE LOCATION
SEC. NO. LINE NO.
I-11 61

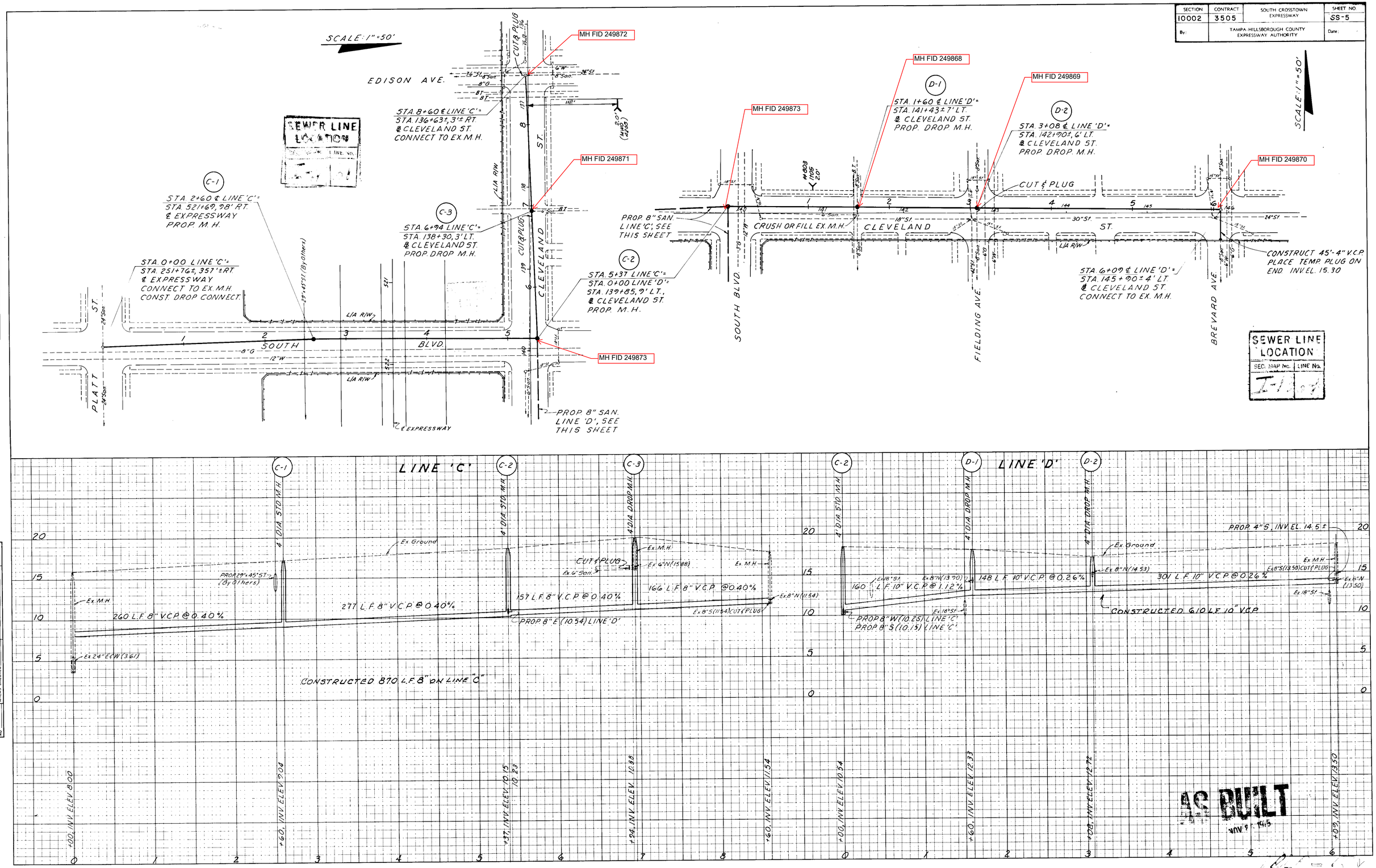


AS BUILT

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

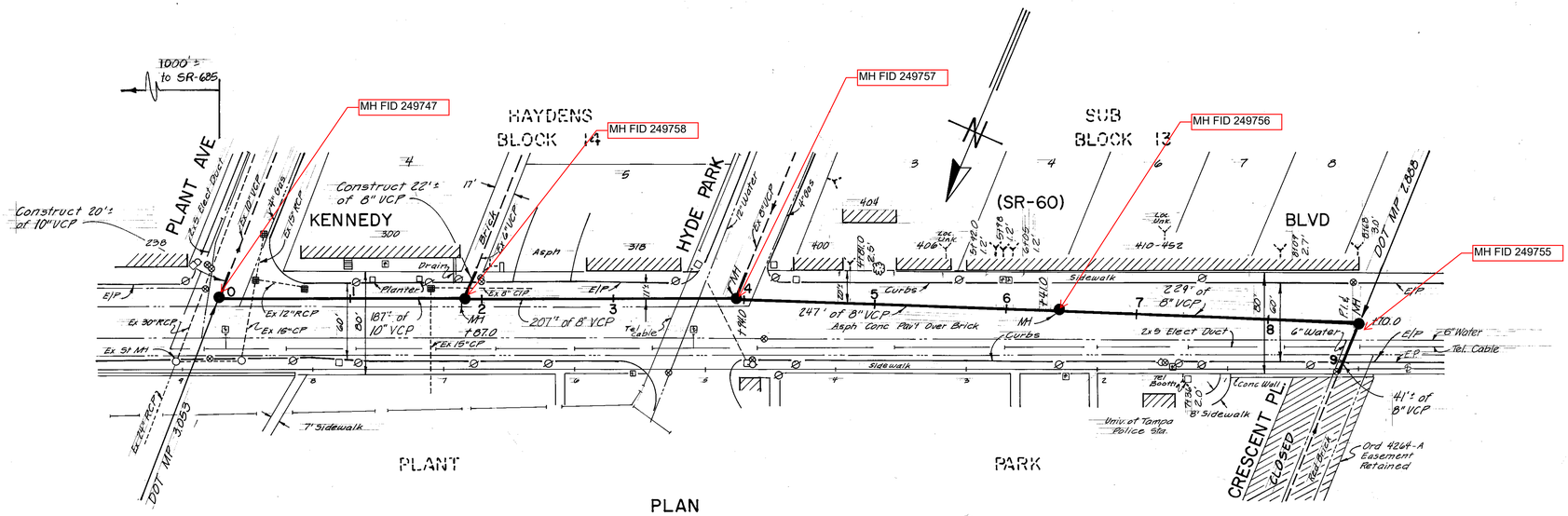
ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

SECTION	CONTRACT	SOUTH CROSSTOWN EXPRESSWAY	SHEET NO.
10002	3505		SS-5
By:	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY		Date:

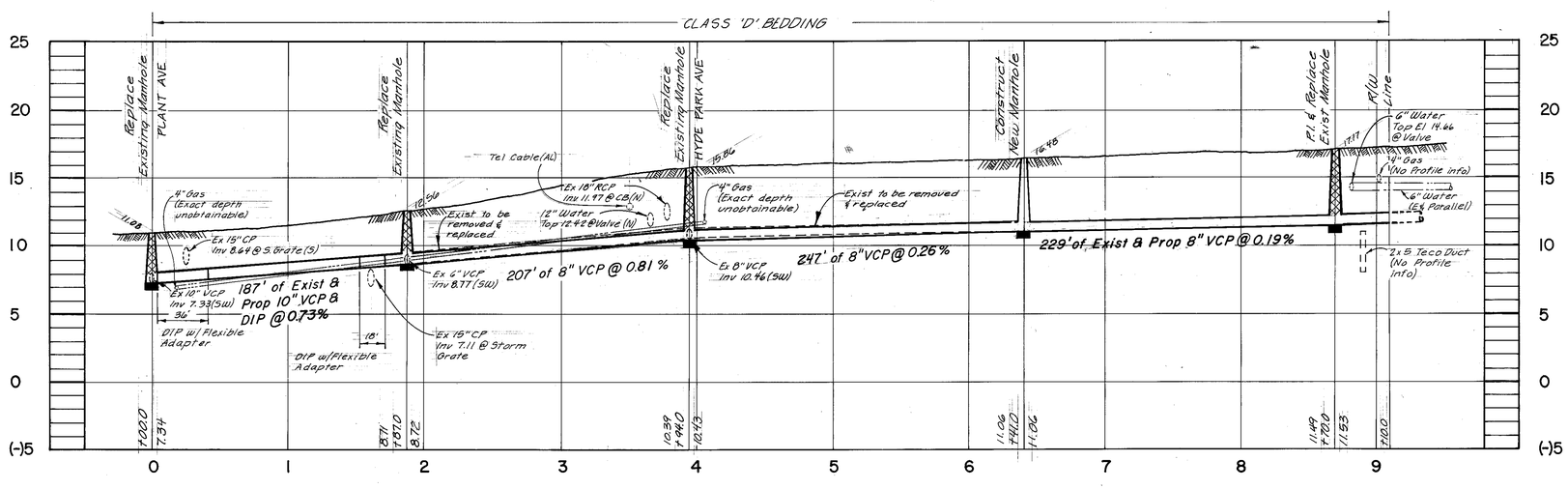


FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		



BM Elev 17.87
Cut in S/W @ S.W. corner Magnolia & J.F.K. @ N.E. corner Traffic Island.



PROFILE
WO 5424

NOTES:

1. Location of existing underground utilities has been prepared from the most reliable information available. Verify the location and depth of all pertinent utilities prior to commencement of construction. Notify the utility companies at least 48 hours prior to beginning construction.
2. Service connections shown in plan view are:
   a. representative locations of existing service connections of unknown locations.
   b. existing service connections (approximate locations shown)
   c. proposed service connections
3. Many inactive service connections may exist. Replace in place only those service connections that are active unless directed by Fred Townsend at the time of construction. The Inspector and the Contractor will jointly determine which service connections are active.
4. Compaction to be done to D.O.T. specifications.
5. Disturbed pavement to be replaced in accordance with Section 125-9 of the D.O.T. spec.
6. Existing lines to be rebuilt at existing slope to the limits of D.O.T. R/W and reconnected to existing lines.

AS BUILT

I-12

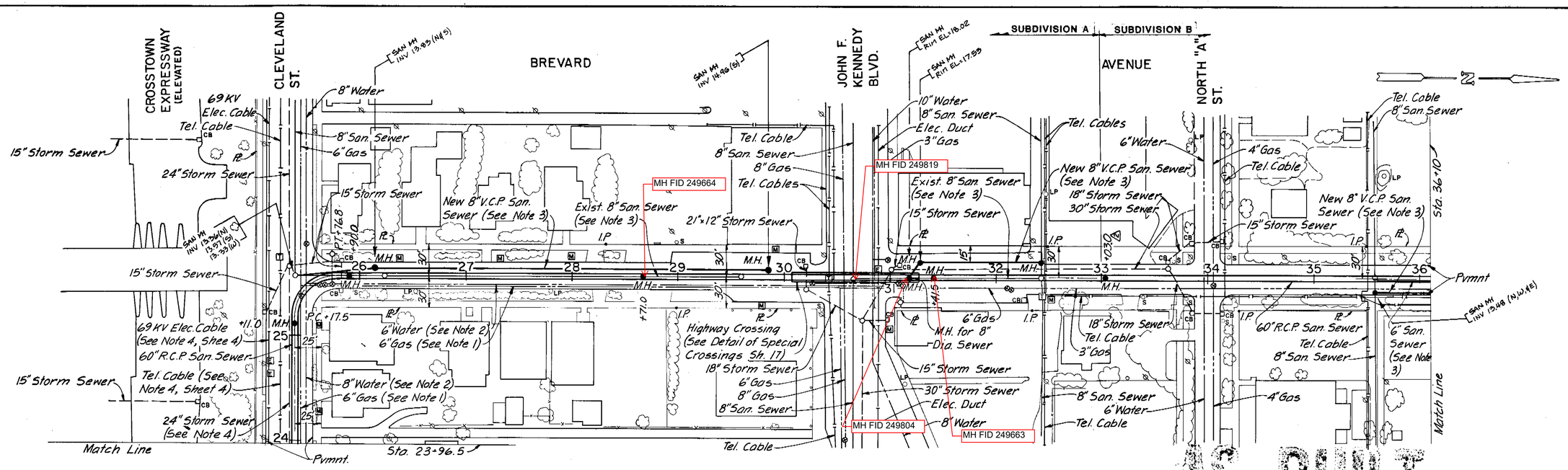
Elton G. Smith ELTON G. SMITH, P.E. # 19872 CHIEF ENGINEER DEPARTMENT of SANITARY SEWERS	DES: JMR DRN: CL CKD: JPM DATE: 12/6/78	APPROVED BY J.W. SILLIMAN, P.E., DIRECTOR DEPARTMENT of SANITARY SEWERS	No.	DATE	REVISIONS	SCALE 50 0 50 100 1" = 50'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENT
			1	7-79	As-Built		
			2				
			3				
			4				
			5				

J.F. KENNEDY BLVD: Plant Ave to Crescent Place
SECTION 10080-6518

SHEET
OF

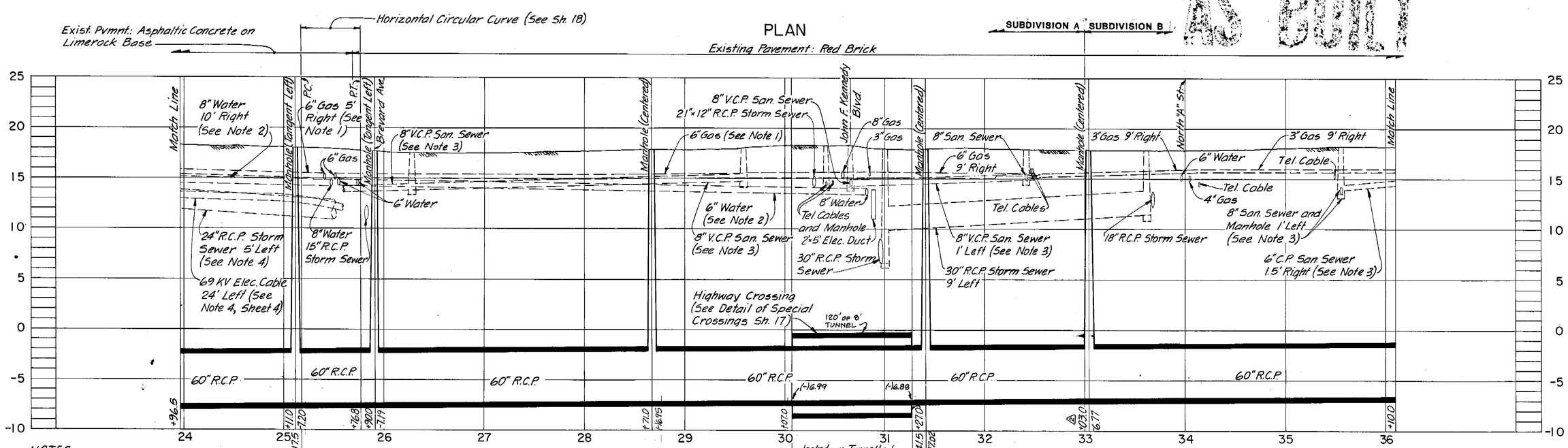
147-44

BRUNING 44-132 29917



PLAN

Existing Pavement: Red Brick



PROFILE

NOTES:

1. 6" Gas mains in Cleveland St. and Brevard Ave. to be relocated by others.
2. Contractor shall remove and relocate existing 8" water in Cleveland St. from Sta. 23+96.5 to 25+50± and 6" water in Brevard Ave. from Sta. 25+50± to Sta. 30+10± as directed by the Engineer to permit construction of the new 60" diameter sanitary sewer.
3. Contractor shall remove existing 8" and 6" diameter sanitary sewers and manholes from Sta. 25+50± to Sta. 29+60±, from Sta. 31+15± to 32+42±, and from Sta. 35+55± to Sta. 36+10 as required to permit construction of the new 60" diameter sanitary sewer and shall construct new 8" diameter V.C.P. replacement sanitary sewer and manholes at original elevations in the locations shown. All existing lateral sewers and house laterals shall be connected to the new 8" replacement sewer. Contractor shall maintain continuous sanitary sewer service during construction by approved temporary methods.
4. Contractor shall remove and replace existing 24" storm sewer from Sta. 23+96.5 to Sta. 25+30± and 30" and 18" storm sewers and manhole from Sta. 31+25± to Sta. 33+70± as required to permit construction of the new 60" R.C.P. San. Sewer.

SUBDIVISIONS A AND B

GREELEY AND HANSEN ENGINEERS, 1211 NORTH WEST SHORE BLVD., TAMPA, FLORIDA 33607	DESIGNED RSH	APPROVED	3	12/1/86	GR	AS-BUILT PER INSPT. PRINTS
	DRAWN AA	DATE SUPT., DEPT. OF SANITARY SEWERS	2	11/10/82	TLW	Move M.H. from Sta. 33+90 to 33+04
	CHECKED TLW	DATE GREELEY AND HANSEN, ENGINEERS	1	8/12/82	TLW	Rev. Align. Sta. 23+96.5 to 31+05
			NO.	DATE	APP.	REVISION

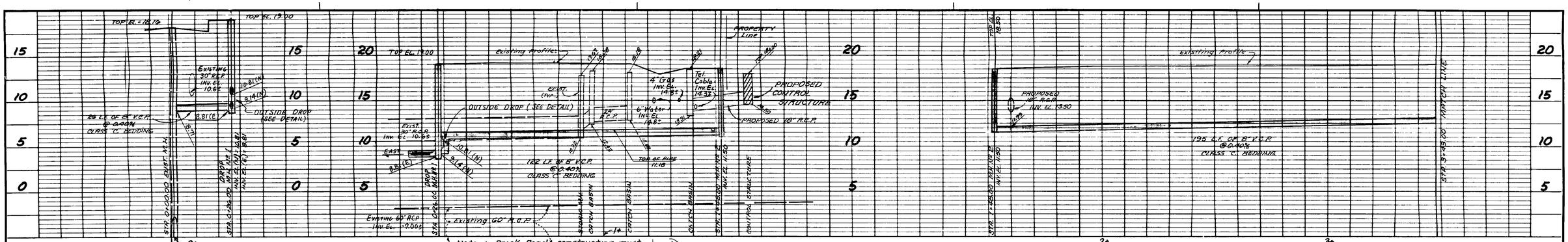
SCALE: 50 0 50 100 FT HORIZ. 1" = 50'; 5 0 5 10 VERT. 1" = 5'

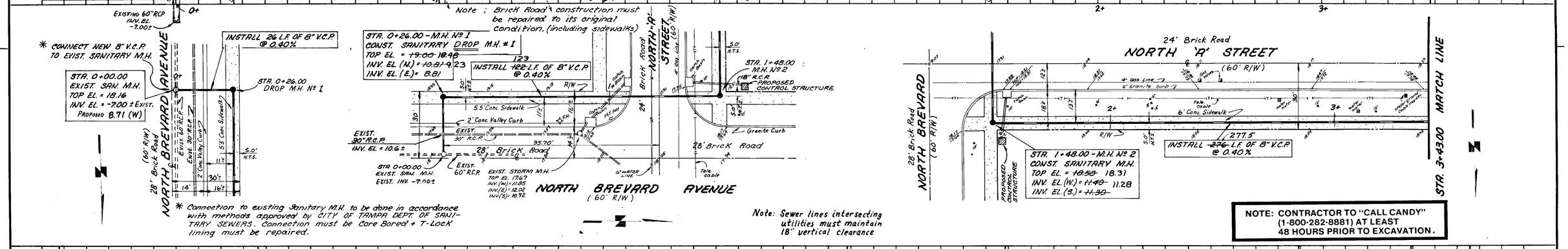
CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
WEST RIVER INTERCEPTING SEWER REPLACEMENT

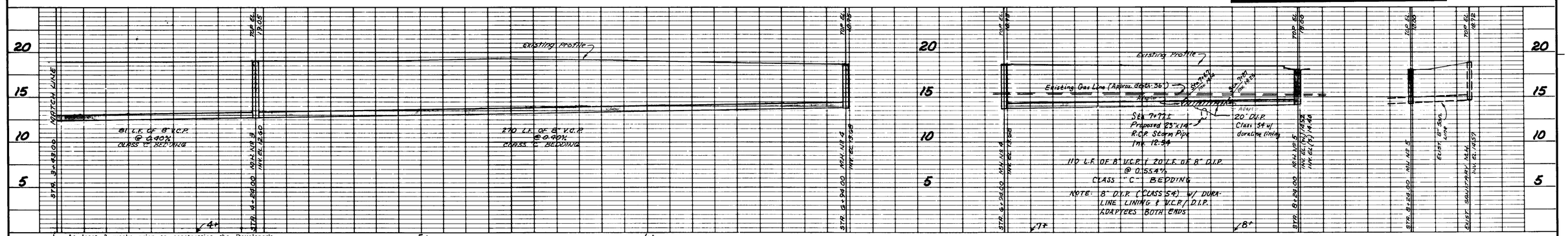
DIVISION B1-B
PLAN AND PROFILE
STA. 23+96.5 TO STA. 36+10

PROJ. NO. 2023-400-02-23
SHEET 5 OF 22
DATE AUG. 1982 REV. 2

210-6



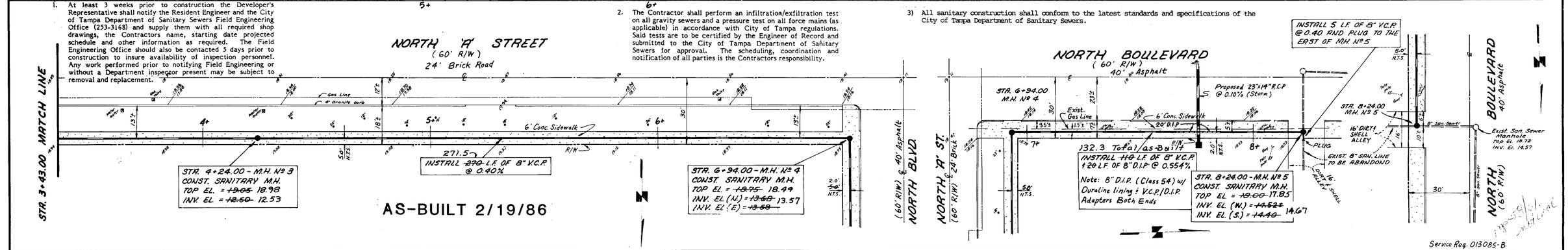




1. At least 3 weeks prior to construction the Developer's Representative shall notify the Resident Engineer and the City of Tampa Department of Sanitary Sewers Field Engineering Office (253-3168) and supply them with all required shop drawings, the Contractors name, starting date projected schedule and other information as required. The Field Engineering Office should also be contacted 5 days prior to construction to insure availability of inspection personnel. Any work performed prior to notifying Field Engineering or without a Department inspector present may be subject to removal and replacement.

2. The Contractor shall perform an infiltration/exfiltration test on all gravity sewers and a pressure test on all force mains (as applicable) in accordance with City of Tampa regulations. Said tests are to be certified by the Engineer of Record and submitted to the City of Tampa Department of Sanitary Sewers for approval. The scheduling, coordination and notification of all parties is the Contractors responsibility.

3) All sanitary construction shall conform to the latest standards and specifications of the City of Tampa Department of Sanitary Sewers.



REVISIONS

BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
DTS	12-23-85	Revised per Dept. of San. Sewer Rev. Comments			
DTS	12-30-85	Rev. per Dept. San. Sewer Comments			
DTS	2-17-86	Rev. Line Between MH 4 & MH 5			

MILLS and ASSOCIATES
CONSULTING ENGINEERS & LAND SURVEYORS
3242 HENDERSON BLVD. • TAMPA, FLORIDA 33609
TELEPHONE: (813) 876-5869

FOR

UNIVERSITY OF TAMPA
TAMPA, FLORIDA

DRWN BY: R.J.B. DATE 12-13-85
DSGN BY: L.E.M. DATE 12-2-85
CHKD BY: L.E.M. DATE 12-13-85
SCALE: HORZ. 1"=20' VERT. 1"=5'

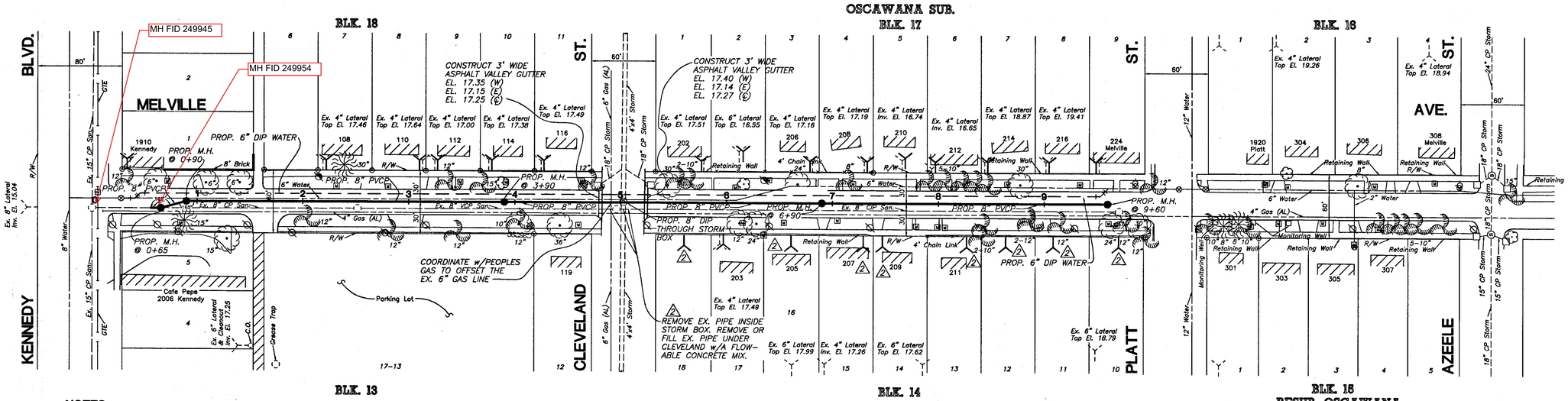
Lawrence E Mills
LAWRENCE E MILLS P.E. NO. 22324 P.L.S. NO. 3141 STATE OF FLORIDA
4-2-86

PROJECT
UNIVERSITY OF TAMPA
RESIDENCE HALL
SANITARY SEWER
RELOCATION

SHEET 3 OF 5

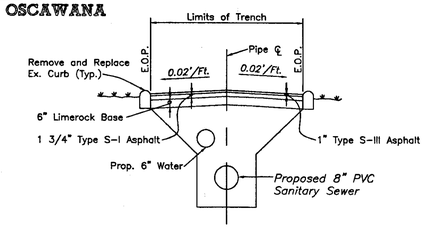
JOB NO. 84.087

217-29



NOTES

1. ALL ELEVATIONS ARE BASED ON NOS DATUM UNLESS OTHERWISE NOTED.
2. LOCATIONS OF EXISTING UNDERGROUND UTILITIES WERE PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE. VERIFY THE LOCATION AND DEPTH OF ALL PERTINENT UTILITIES PRIOR TO CONSTRUCTION. NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION.
3. NEW HOUSE CONNECTION LOCATIONS ARE APPROXIMATE ONLY. REQUIRED LOCATION AND DEPTH WILL BE COORDINATED WITH THE HOMEOWNER AT THE TIME OF CONSTRUCTION BY THE D.S.S. CONSTRUCTION CREWS.
4. WHERE AN EXISTING SEWER IS TO BE REMOVED OR ABANDONED AND REPLACED WITH A NEW SEWER, CONTINUOUS SEWER SERVICE MUST BE MAINTAINED AT ALL TIMES, WHILE CONNECTING THE LATERALS TO THE NEW SEWER IN PLACE.
5. THE MINIMUM CLEARANCE BETWEEN HOUSE LATERALS AND WATER LINES SHALL BE 6" UNDER ALL CIRCUMSTANCES. IF THE HOUSE LATERAL IS BELOW A WATER LINE AND HAS BETWEEN 6" AND 18" OF CLEARANCE, OR IF THE LATERAL IS ABOVE THE WATER LINE REGARDLESS OF CLEARANCE, THEN A NOMINAL 20' LENGTH OF GREEN AWWA CLASS 150 C900 PVC PIPE SHALL BE CENTERED OVER/UNDER THE WATER LINE.
6. ALL THE LATERALS WITH LESS THAN 2 FT. OF COVER SHALL BE DIP.
7. EX. STORM BOX SHALL BE CORE DRILLED FOR INSTALLATION OF PROP. 8" DIP. THE VERTICAL WALLS OF THE CONCRETE BOX CULVERT ARE APPROXIMATELY 12" THICK AND UNREINFORCED.

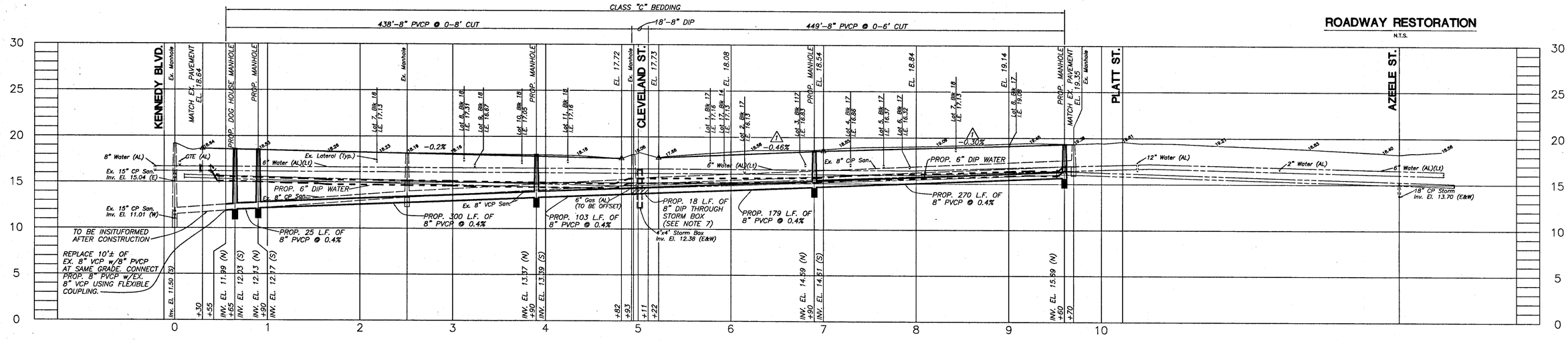


NOTES

1. Remove Ex. Asphalt & Base Full Width of Roadway.
2. Install 6" Limerock Base from EOP to EOP, Grade, & Compact.
3. Install 1 3/4" Type S-I & 1" Type S-III Asphalt. Match Prop. Grade of Roadway.

ROADWAY RESTORATION

N.T.S.



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

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

DES: M.S.
DRN: R.A.R.
CKD: D.H.
DATE: 10/4/96

No.	DATE	REVISIONS
1	10-2-96	CHANGED SLOPE & GRADE IN PROFILE
2	10-2-96	ADDED LATERALS & NOTE
3		
4		
5		

SCALE
50 0 50 100
1" = 50'

CITY OF TAMPA FLORIDA
DEPARTMENT OF SANITARY SEWERS
RENEWAL & REPLACEMENT
SEWAGE DISPOSAL SYSTEM

MELVILLE AVE.: KENNEDY BLVD. to PLATT ST.

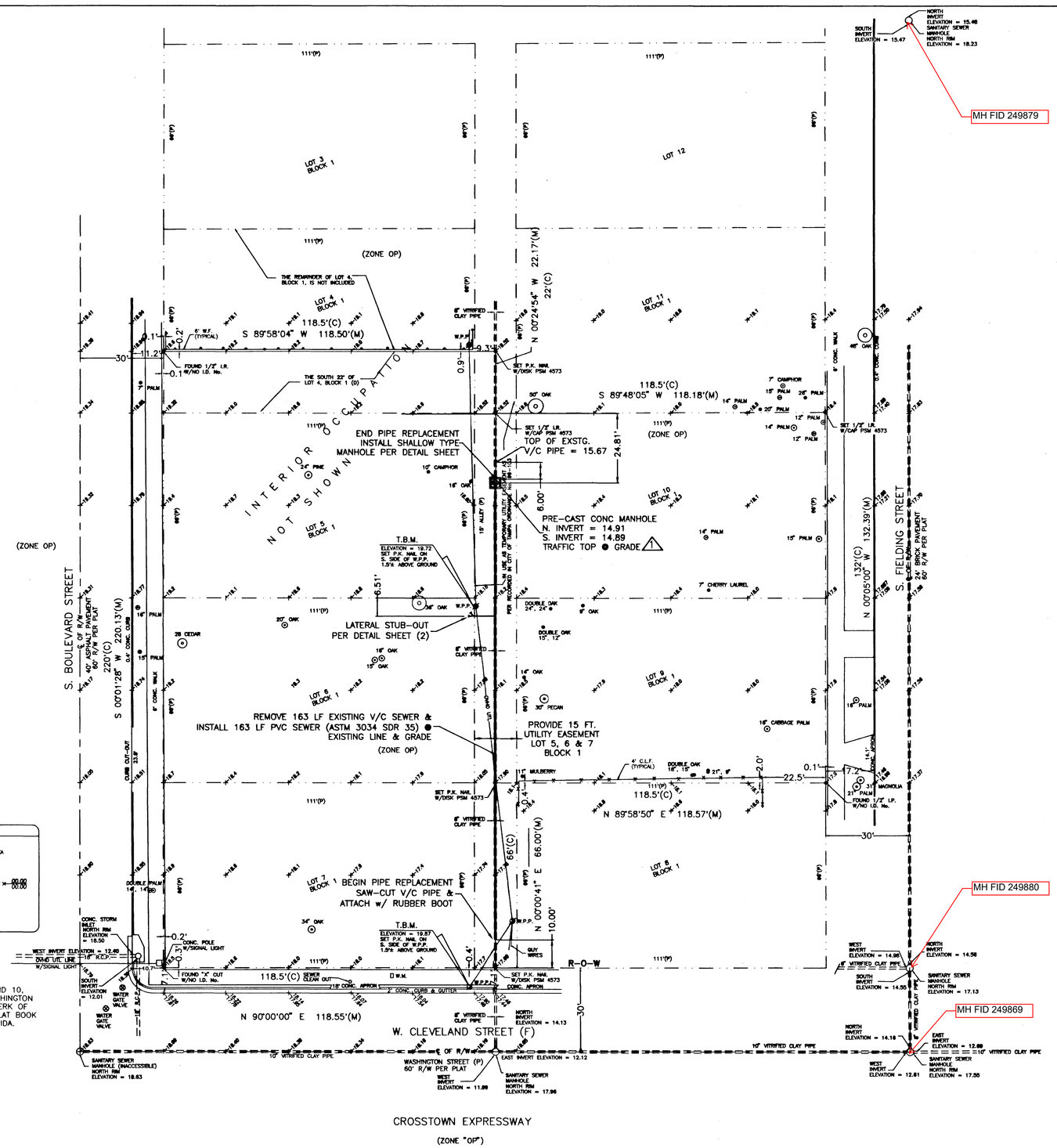
DESIGN W.O. 4555
CONSTRUCTION W.O. 5640

SHEET 1 OF 3

290-21

C:\P13\DWG\PIPE\4555-1 1=50 STATION #4

00-001-02	SHEET 1 OF 2



SURVEYORS NOTES

1. LEGAL DESCRIPTION SHOWN HEREON IS OF THE PROPERTY SURVEYED AND THE PROPERTY DESCRIBED IN: (COMMONWEALTH LAND TITLE INSURANCE COMPANY, COMMITMENT NUMBER # 864-800081, EFFECTIVE DATE, DECEMBER 17, 1999 @ 8:00 A.M.)
2. BEARINGS SHOWN HEREON ARE BASED ON THE NORTH RIGHT-OF-WAY LINE OF W. CLEVELAND STREET, SAID LINE BEARS N 90°00'00" E, ASSUMED.
3. PER THE NATIONAL FLOOD INSURANCE RATE MAP OF THE CITY OF TAMPA, FLORIDA, COMMUNITY PANEL No. 120114 0024 C, MAP REVISED 9-30-82, THIS PROPERTY APPEARS TO BE IN FLOOD ZONE "C".
4. UNLESS OTHERWISE SHOWN, ENCROACHMENTS OF UNDERGROUND UTILITIES, WALL FOOTINGS, ETC., WERE NOT RECOGNIZED IN THE FIELD. ALSO FENCES AS SHOWN ARE NOT TO SCALE. OWNERSHIP OF FENCES AND/OR WALLS (IF PRESENT) ARE NOT FIELD DETERMINED.
5. RE-USE OF THIS SURVEY FOR PURPOSES OTHER THAN WHICH IT WAS INTENDED, WITHOUT WRITTEN VERIFICATION, WILL BE AT THE RE-USERS SOLE RISK AND WITHOUT LIABILITY TO THE SURVEYOR. NOTHING HEREIN SHALL BE CONSTRUED TO GIVE ANY RIGHTS OR BENEFITS TO ANYONE OTHER THAT THOSE CERTIFIED TO.
6. EASEMENTS, RIGHT-OF-WAY, SET BACK LINES, RESERVATIONS, AGREEMENTS, AND OTHER SIMILAR MATTERS TAKEN FROM COMMONWEALTH LAND TITLE INSURANCE COMPANY, COMMITMENT NUMBER # 864-800081, EFFECTIVE DATE, DECEMBER 17, 1999 @ 8:00 A.M..
7. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE CITY OF TAMPA BENCH MARK B-0252 ELEVATION = 19.616(N.G.V.D. 1929).

SECTION 24, TOWNSHIP 29 SOUTH, RANGE 18 EAST

LEGEND:

A/C = AIR-CONDITIONER
℄ = BASELINE
(C) = CALCULATED
CATV = CABLE TELEVISION
℄ = CENTERLINE
C.M.P. = CORRUGATED METAL PIPE
C.L.F. = CHAIN LINK FENCE
CONC. = CONCRETE
(D) = DESCRIPTION
D.G. = DOWN GUY
EL. = ELEVATION
E.P. = EDGE OF PAVEMENT
ENCR. = ENCROACHMENT
G.T.I. = GRATE TOP INLET
I.D. No. = IDENTIFICATION NUMBER
I.P. = IRON PIPE
I.R. = IRON ROD
L.B. = LICENSED BUSINESS
(M) = MEASURED
N.G.V.D. = NATIONAL GEODETIC VERTICAL DATUM
O/A = OVER ALL
OHWD UTL. = OVERHEAD UTILITY LINE
PL. = PLAT
P.O.C. = POINT OF CURVATURE
P.C.P. = PERMANENT CONTROL POINT
P.K. = PARKER KALON
P.L.S. = PROFESSIONAL LAND SURVEYOR
P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT
P.O.T. = POINT OF TERMINATION
PSM# = PROFESSIONAL SURVEYOR & MAPPER
P.T. = POINT OF TANGENCY
R.L.S. = REGISTERED LAND SURVEYOR
R.C.P. = REINFORCED CONCRETE PIPE
R/O = ROOF OVER
R/W = RIGHT-OF-WAY
SFHA = SPECIAL FLOOD HAZARD AREA
T.B.M. = TEMPORARY BENCH MARK
W.F. = WOOD FENCE
W.M. = WATER METER
W.P.P. = WOOD POWER POLE

ELEVATIONS = X-00.00 AND/OR X-00.00
CONTOUR LINES = 00 00 00
TREE SYMBOL = ●

LEGAL DESCRIPTION:

THE SOUTH 22 FEET OF LOT 4, ALL OF LOTS 5, 6, 7 IN BLOCK 1, AND LOTS 9 AND 10, BLOCK 1, TOGETHER WITH 1/2 OF CLOSED ALLEY ABUTTING THEREON, PLAN OF WASHINGTON SUBDIVISION, ACCORDING TO THE PLAT THEREOF ON FILE IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT, IN AND FOR HILLSBOROUGH COUNTY, FLORIDA, RECORDED IN PLAT BOOK 1, PAGE 4, SAID LANDS SITUATE, LYING AND BEING IN HILLSBOROUGH COUNTY, FLORIDA.

PVC PIPE: PIPE SHALL BE MADE OF PVC MATERIAL HAVING A CELL CLASSIFICATION 12454 B, 12454 C OR 13354 B PER ASTM D1784. (PIPE SHALL BE MARKED AS ASTM 3034, SDR35)

PIPE SHALL BE TESTED IN ACCORDANCE WITH ASTM D3212 AND SHALL CONFORM TO UNI-BELL PLASTIC PIPE ASSOCIATION STANDARD UNI-B4.

EACH LENGTH OF PIPE SHALL BE MARKED WITH THE SIZE, MANUFACTURER ASTM DESIGNATION AND THE NATIONAL SANITARY FOUNDATION (NSF) SEAL.

PIPE COLOR SHALL BE GREEN.

LATERALS SHALL BE INSTALLED WITH A WYE FITTING AND 1/8 BEND.

THE LATERAL LOCATION SHALL BE MARKED WITH A #5 x 48" REINFORCING ROD, DRIVEN VERTICALLY AND ADJACENT TO THE LATERAL UNTIL THE TOP OF THE ROD IS IS FLUSH WITH FINISHED GRADE.

TRENCH EXCAVATION: IN THE EVENT THAT UNSUITABLE SOIL IN ENCOUNTERED, IT MUST BE REMOVED AND REPLACED WITH SAND, GRAVEL CRUSHED STONE OR A COMBINATION THEREOF AS APPROVED BY THE ENGINEER.

BACK FILL & COMPACTION: BACK FILL MATERIAL SHALL BE COMMON FILL MATERIAL FREE OF ORGANIC MATTER, MUCK OR MARL AND ROCK EXCEEDING 2-1/2" IN DIAMETER.

BACK FILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557 - MODIFIED PROCTOR, WITH A MINUS 3% TOLERANCE.

AS-BUILT

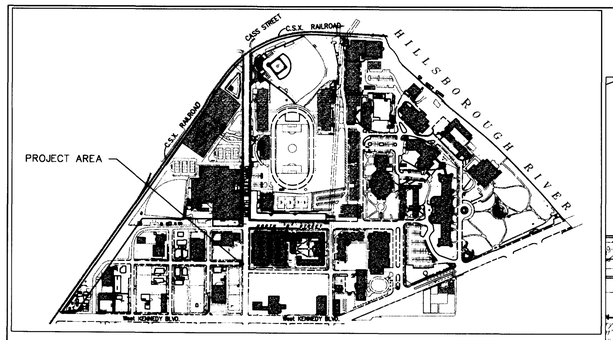
	REVISION	DATE	DESCRIPTION
	1	7/14/00	ADD P-CAST MANHOLE PER CITY REQUIREMENTS

Catalano Engineering, Inc.
CIVIL - TRANSPORTATION - STRUCTURAL

LIST GROUP
2101 WEST PLATT ST. #200
TAMPA, FLORIDA 33606
(813) 258-5478

UTILITY REPLACEMENT

319-30



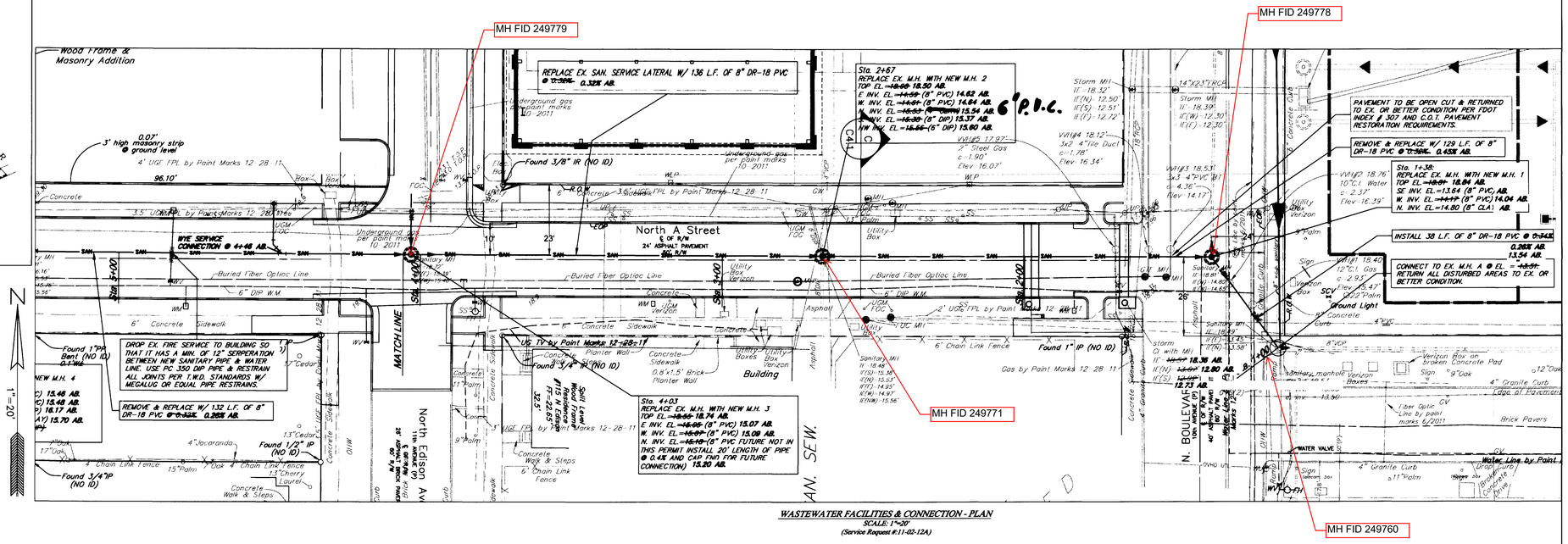
NORTH

Vicinity Map

SCALE: 1" = 500'

GENERAL NOTES:

1. The Contractor shall maintain wastewater service wastewater service during all phases of the construction of the new sanitary sewer replacement. Prior to starting construction, shop drawings for bypassing the wastewater flow and maintaining serve shall be submitted to the City of Tampa's Wastewater Department for review and approval.
2. At utility crossings install joint equidistant from center of crossing utility pipe. (Typ.)
3. Return all disturbed areas to existing or better conditions. (Typ.)
4. Restore disturbed road way per FDOT Index # 307. (Typ.)
5. All work must comply with C.O.T. Wastewater Technical Manual. (Typ.)
6. Pipe Bedding to comply with C.O.T. Wastewater Technical Manual. (Typ.)
7. Existing pipes should be connected to the new manholes by providing an 8" PVC stub from the manhole and connecting the stub to the existing pipe using a flexible adapter.
8. All lateral along the alignment of the proposed sanitary sewer replacement that are in service and/or connected to an existing building shall be replaced from the property line to the new pipeline. A clean-out shall be provided at the property line.



*Location of existing utilities shown are approximate. Contractor shall field verify location of all existing utilities and shall expose them prior to installation and ensure that the proposed pipe will cross all existing utilities with acceptable clearance.

WASTEWATER FACILITIES & CONNECTION - PLAN

SCALE: 1"=20'

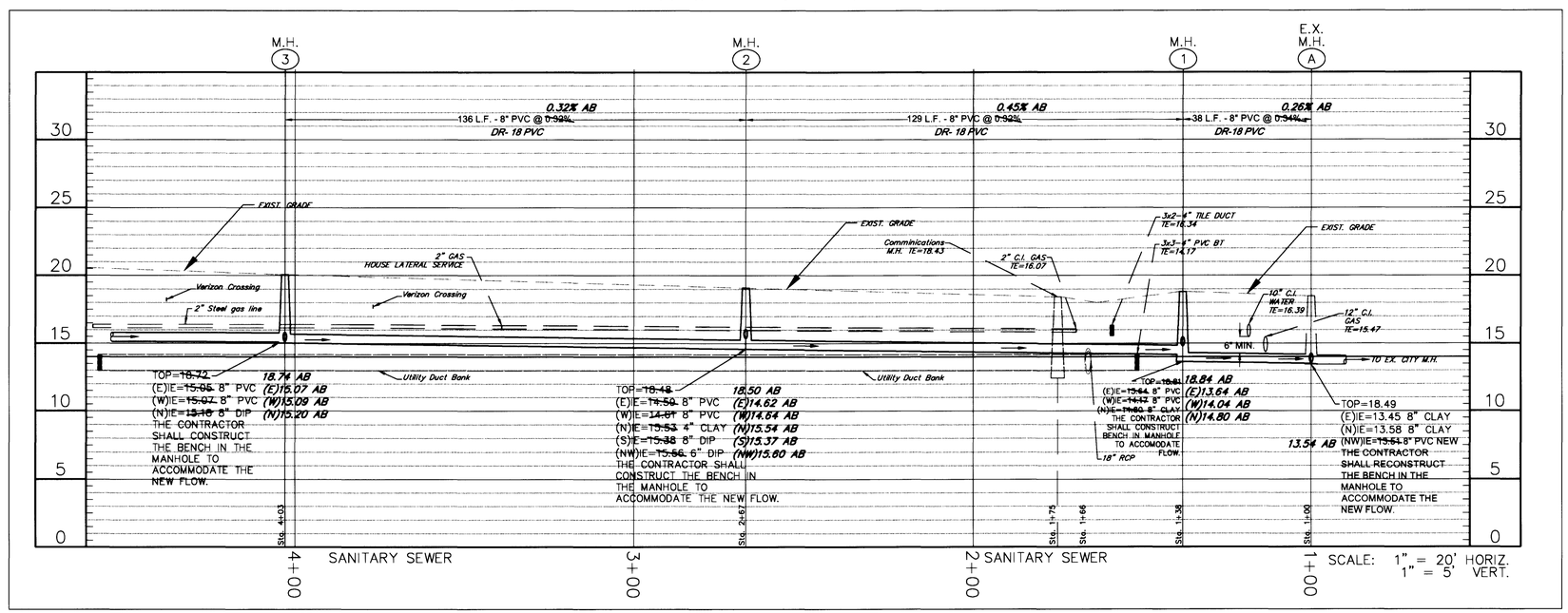
(Service Request #:11-02-12A)

0' 10' 20'

SCALE 1" = 20'

LEGEND:

(D) = Description Data
(P) = Plat Data
(M) = Measured Data
c/o = Cleanout
Conc. = Concrete
c.l.f. = Chain Link Fence
E.B. = Electric Box
F.H. = Fire Hydrant
g.a. = Guy Anchor
Inv. el= Invert elevation
LB = Licensed Business
mas. = masonry
m.l.p. = metal light pole
O/A = Overall
OVHD = Overhead utility lines
PSM = Professional Surveyor & Mapper
R/O = Roof Overhang
R/W = Right-of-way
(typ.)= Typical
U.P. = Utility Pole
W.L.P. = wood light pole
W.M. = Water meter
W.V. = Water Valve
W.U.P.= Wood Utility Pole
N = North
S = South
E = East
W = West
M.E.G.= Match Existing Grade
VHI = VERTICAL VACUUM HOLE (for vacuum utility locating)
=Top of Curb El./ Pavement El.
= Top of Sod El.



WASTEWATER FACILITIES & CONNECTION - PROFILE

SCALE:
HORIZ: 1"=20'
VERT: 1"=5'
(Service Request #:11-02-12A)

NOTE TO CONTRACTOR:
CONTRACTOR TO CALL SUNSHINE STATE ONE-CALL OF FLORIDA, 1-800-432-4770 A MINIMUM OF 2 DAYS PRIOR TO EXCAVATION

FOR WORK IN THE RIGHT-OF-WAY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A CITY OF TAMPA D.P.W. RIGHT-OF-WAY PERMIT (PHONE 813/274-8027).

All signage and striping to comply with the Manual for Uniform Traffic Control Devices (M.U.T.C.D.)

NOTES:

1. Elevations shown hereon are based on City of Tampa Bench Marks and referenced to National Geodetic Vertical Datum of 1929. see drawing for on site bench marks.

AS-BUILT: 8/20/13

REVISIONS

BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
ATG	12/26/12	Revise Per EPC Comments 1			
ATG	1/14/13	Revise Per EPC Comments 2			

MILLS and ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
3242 HENDERSON BOULEVARD * SUITE 300
TAMPA, FLORIDA 33609-3056
TELEPHONE: (813) 876-5869

FOR

THE UNIVERSITY OF TAMPA
401 W. KENNEDY BLVD.
TAMPA, FLORIDA 33606
TELEPHONE: (813) 258-7256

DRWN BY: ATG DATE 11/29/11
DSGN BY: ATG DATE 10/30/12
CHKD BY: LEM DATE
SCALE: 1"= 20'

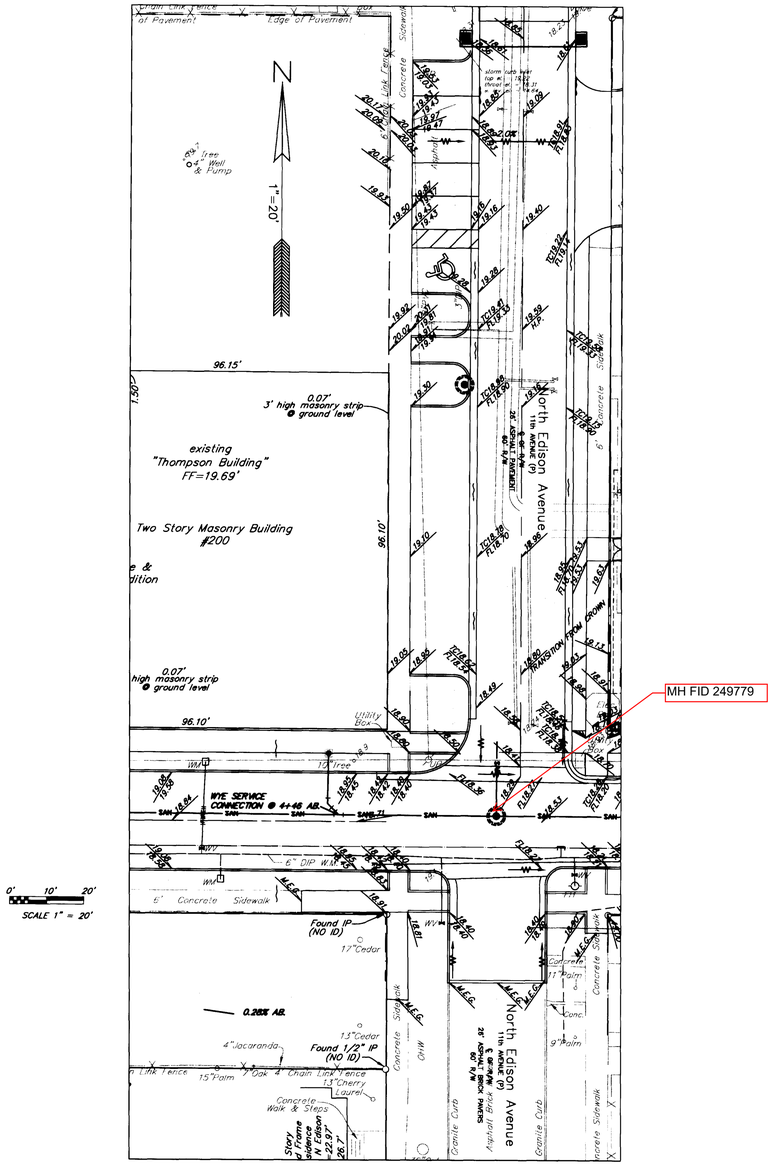
LEM 8/20/13
LAWRENCE E. MILLS
P.E. NO. 22324 - E.B. NO. 3860
P.L.S. NO. 3141 - L.B. NO. 3868
STATE OF FLORIDA

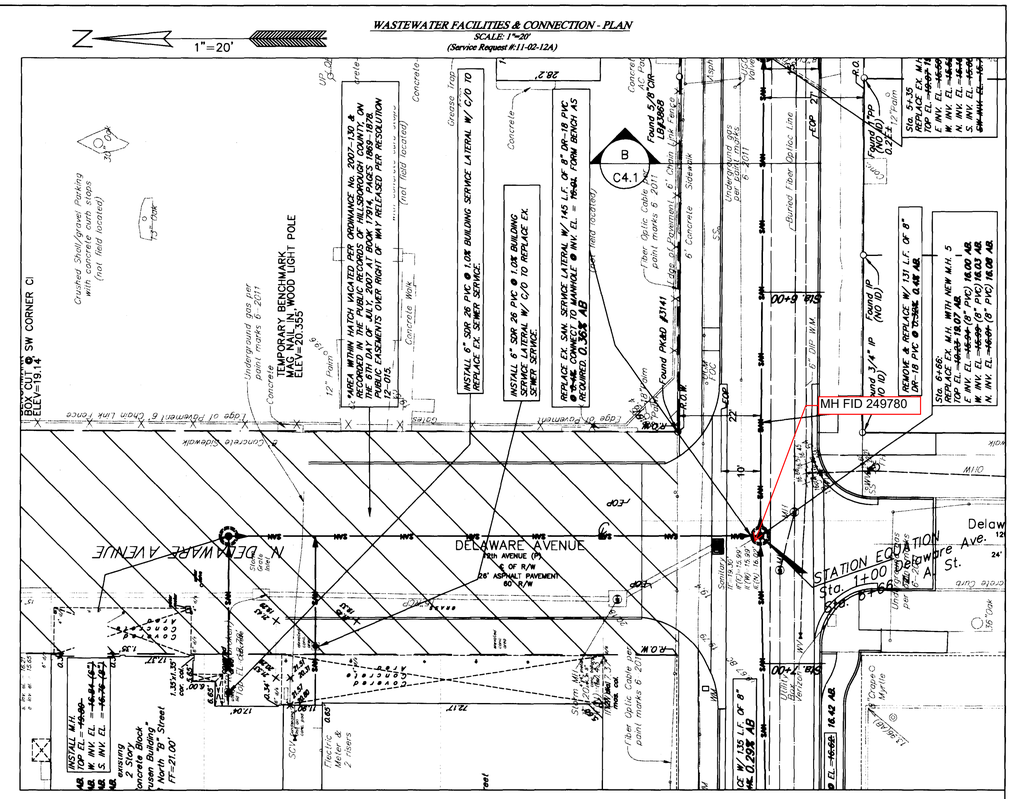
PROJECT
N. A ST. SEWER REPLACEMENT
PLAN & PROFILE

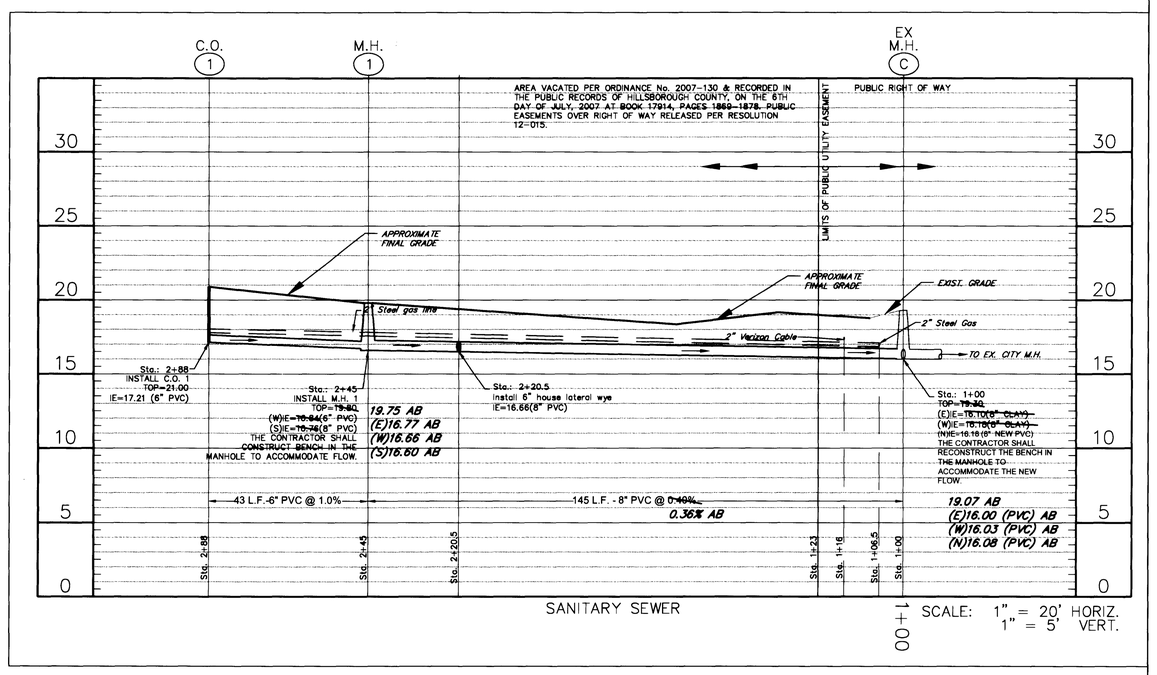
SHEET
C 1.2

JOB NO.
12-015

2013-282







NOTE TO CONTRACTOR:
CONTRACTOR TO CALL SUNSHINE STATE ONE-CALL OF FLORIDA, 1-800-432-4770 A MINUMUM OF 2 DAYS PRIOR TO EXCAVATION

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NOTES:

1. Elevations shown hereon are based on City of Tampa Bench Marks and referenced to National Geodetic Vertical Datum of 1929. see drawing for on site bench marks.

*Location of existing utilities shown are approximate. Contractor shall field verify location of all existing utilities and shall expose them prior to installation and ensure that the proposed pipe will cross all existing utilities with acceptable clearance.

WASTEWATER FACILITIES & CONNECTION - PROFILE
SCALE:
HORIZ: 1"=20'
VERT: 1"=5'
(Service Request #:11-02-12A)

AS-BUILT: 8/20/13

REVISIONS					
BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION

MILLS and ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
3242 HENDERSON BOULEVARD * SUITE 300
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FOR
THE UNIVERSITY OF TAMPA
401 W. KENNEDY BLVD.
TAMPA, FLORIDA 33606
TELEPHONE: (813) 258-7256

DRWN BY: ATG DATE 11/29/11
DSGN BY: ATG DATE 10/30/12
CHKD BY: LEM DATE
SCALE: 1"= 20'

LAWRENCE E. MILLS 8/20/13
P.E. NO. 22324 - E.B. NO. 3860
P.L.S. NO. 3141 - L.B. NO. 3868
STATE OF FLORIDA

PROJECT
N. A ST. SEWER REPLACEMENT
PLAN & PROFILE & Edison Paving & Grading Plan

SHEET
C 1.4

JOB NO.
12-015

2013-284

GENERAL NOTES:

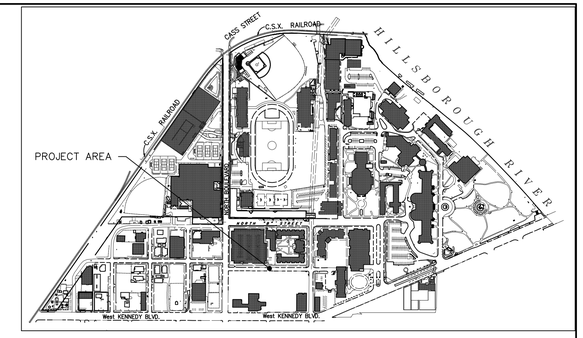
1. The Contractor shall maintain wastewater service wastewater service during all phases of the construction of the new sanitary sewer replacement. Prior to starting construction, shop drawings for bypassing the wastewater flow and maintaining serve shall be submitted to the City of Tampa's Wastewater Department for review and approval.
2. At utility crossings install joint equidistant from center of crossing utility pipe. (Typ.)
3. Return all disturbed areas to existing or better conditions. (Typ.)
4. Restore disturbed road way per FDOT Index # 307. (Typ.)
5. All work must comply with C.O.T. Wastewater Technical Manual. (Typ.)
6. Pipe Bedding to comply with C.O.T. Wastewater Technical Manual. (Typ.)
7. Existing pipes should be connected to the new manholes by providing an 8" PVC stub from the manhole and connecting the stub to the existing pipe using a flexible adapter.
8. All lateral along the alignment of the proposed sanitary sewer replacement that are in service and/or connected to an existing building shall be replaced from the property line to the new pipeline. A clean-out shall be provided at the property line.
9. CONTRACTOR TO VERIFY LOCATION AND ELEVATIONS OF ALL EXISTING UNDER GROUND UTILITIES PRIOR TO PIPE INSTALLATION.

N

1" = 20'

0' 10' 20' 40'

SCALE 1" = 20'



NORTH

KEY PLAN

SCALE: 1" = 500'

NOTE TO CONTRACTOR:

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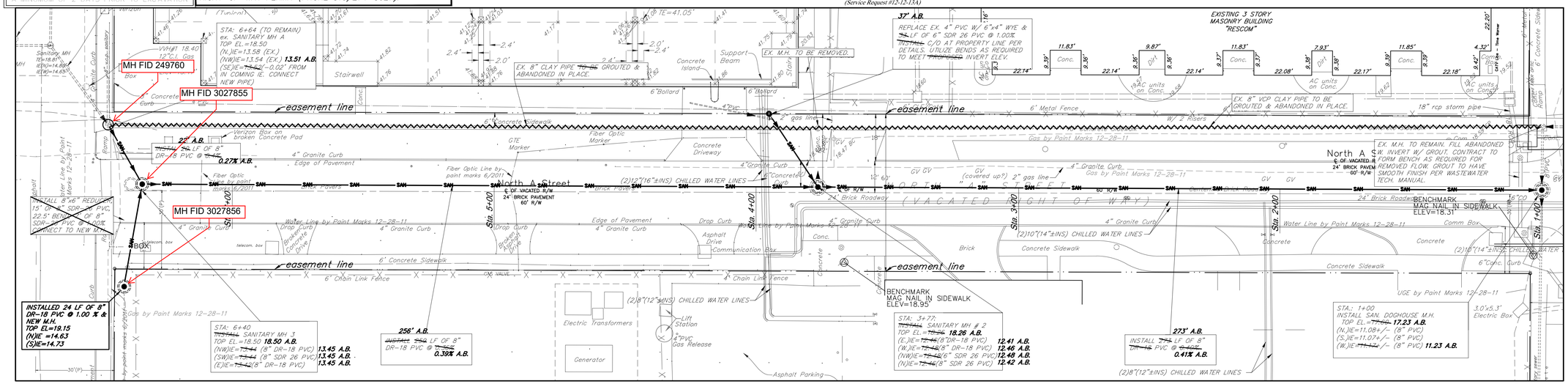
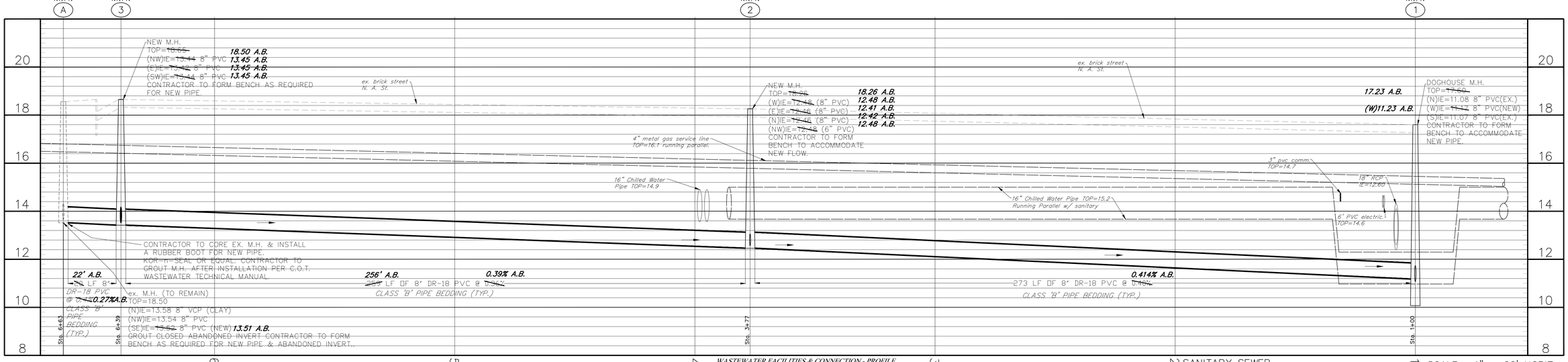
All signage and striping to comply with the Manual for Uniform Traffic Control Devices (M.U.T.C.D.)

WASTEWATER FACILITIES & CONNECTION - PLAN
SCALE: 1"=20'
(Service Request #12-12-13A)



LEGEND:

(D) = Description Data
(P) = Plat Data
(M) = Measured Data
c/o = Cleanout
Conc. = Concrete
c.l.f. = Chain Link Fence
E.B. = Electric Box
F.H. = Fire Hydrant
g.a. = Guy Anchor
inv. elev = Invert elevation
LB = Licensed Business
mas. = masonry
m.l.p. = metal light pole
O/A = Overall
OVHD = Overhead utility lines
PSM = Professional Surveyor & Mapper
R/O = Roof Overhang
R/W = Right-of-way
(typ.) = Typical
U.P. = Utility Pole
W.L.P. = wood light pole
W.M. = Water meter
W.V. = Water Valve
W.U.P. = Wood Utility Pole
N = North
S = South
E = East
W = West
M.E.G. = Match Existing Grade
18.75/18.25 = Proposed Top of Curb El./ Pavement El.
18.7 = Prposed Top of Sod El.
= Flow Direction
= Pipe Flow Direction



WASTEWATER FACILITIES & CONNECTION - PROFILE
SCALE:
HORIZ: 1"=20'
VERT: 1"=2'
(Service Request #12-12-13A)

SANITARY SEWER

SCALE: 1" = 20' HORIZ.
1" = 2' VERT.

SEWER AS-BUILTS 12/09/14

REVISIONS

BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
ATG	2/7/14	Revised Pipe Route 1			

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FOR

UNIVERSITY OF TAMPA

DRWN BY: RFS DATE 12/23/13
DSGN BY: ATG DATE 2/7/14
CHKD BY: LEM DATE
SCALE: 1"= 20'

LAWRENCE E. MILLS
P.E. NO. 22324 - E.B. NO. 3860
P.L.S. NO. 3141 - L.B. NO. 3868
STATE OF FLORIDA

PROJECT

THOMAS PARKING GARAGE EXPANSION
SEWER MAIN REPLACEMENT PLANS

SHEET

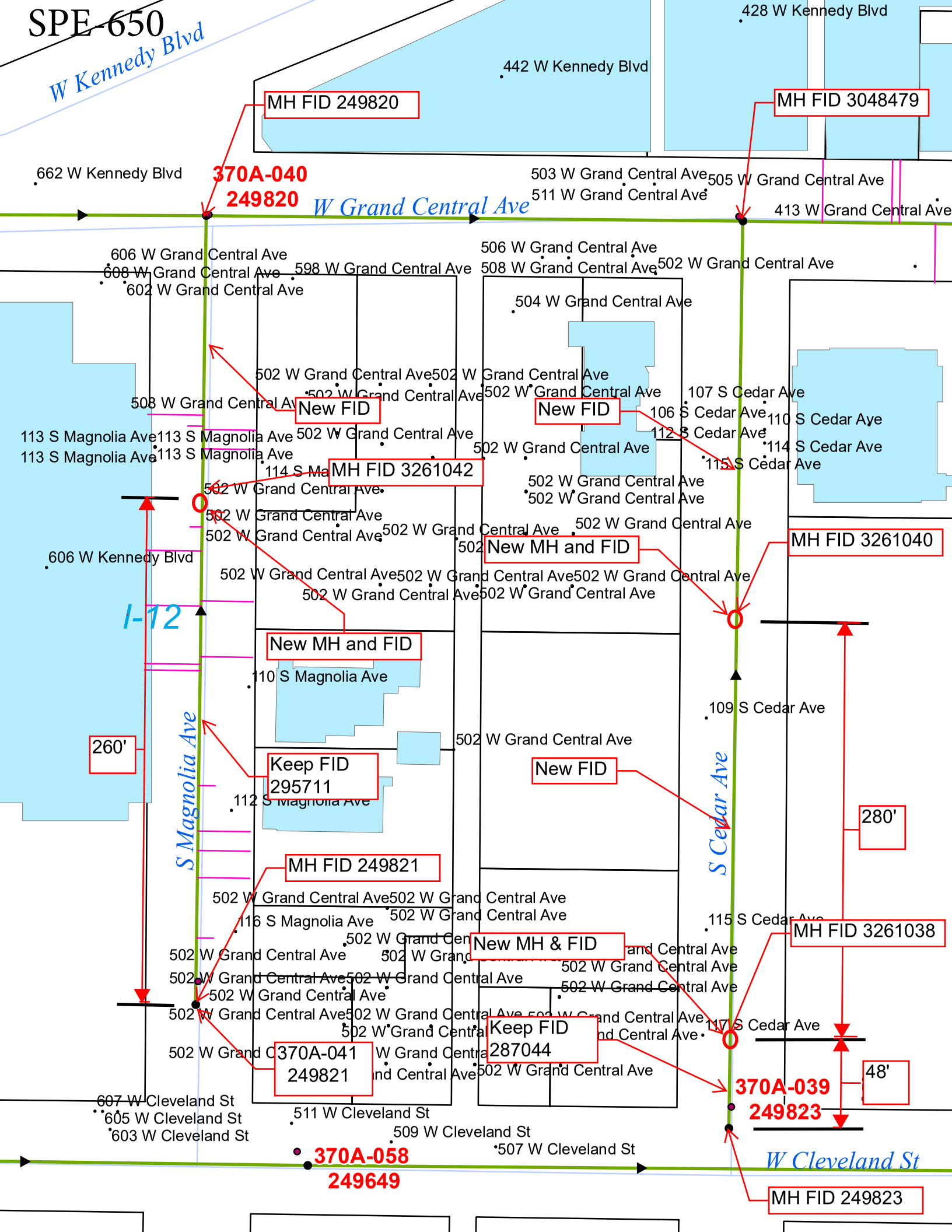
WW 1.1

JOB NO.

11-019

2015-018

SPE-650


W Kennedy Blvd
442 W Kennedy Blvd
428 W Kennedy Blvd
MH FID 249820
MH FID 3048479
662 W Kennedy Blvd
370A-040
249820
W Grand Central Ave
503 W Grand Central Ave
511 W Grand Central Ave
505 W Grand Central Ave
413 W Grand Central Ave
606 W Grand Central Ave
608 W Grand Central Ave
602 W Grand Central Ave
598 W Grand Central Ave
506 W Grand Central Ave
508 W Grand Central Ave
502 W Grand Central Ave
504 W Grand Central Ave
New FID
New FID
107 S Cedar Ave
106 S Cedar Ave
110 S Cedar Ave
112 S Cedar Ave
114 S Cedar Ave
115 S Cedar Ave
113 S Magnolia Ave
MH FID 3261042
MH FID 3261040
New MH and FID
606 W Kennedy Blvd
I-12
New MH and FID
110 S Magnolia Ave
109 S Cedar Ave
260'
S Magnolia Ave
Keep FID
295711
New FID
S Cedar Ave
280'
MH FID 249821
116 S Magnolia Ave
115 S Cedar Ave
MH FID 3261038
New MH & FID
370A-041
249821
Keep FID
287044
117 S Cedar Ave
48'
370A-039
249823
607 W Cleveland St
605 W Cleveland St
603 W Cleveland St
511 W Cleveland St
509 W Cleveland St
507 W Cleveland St
370A-058
249649
W Cleveland St
MH FID 249823