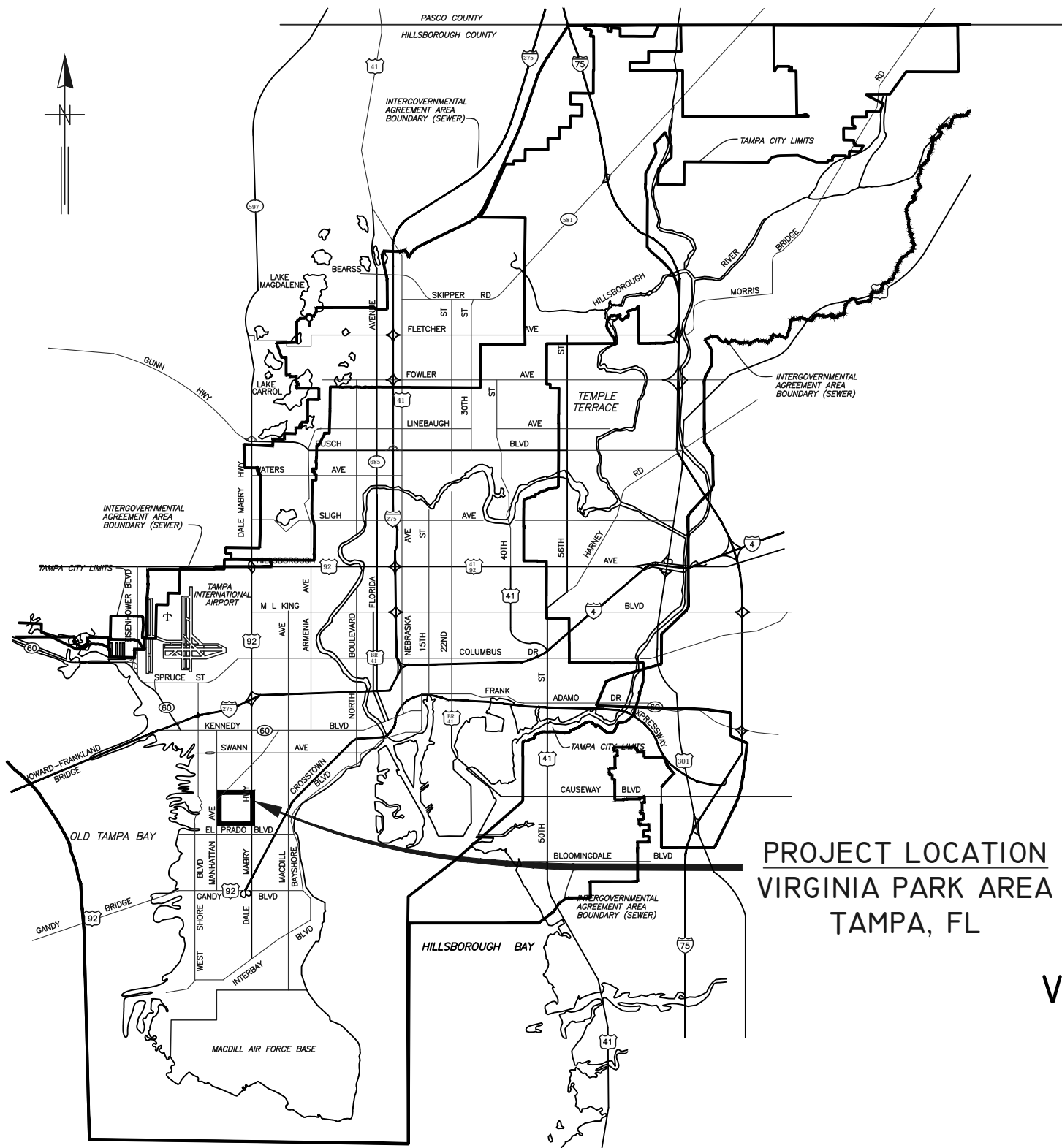
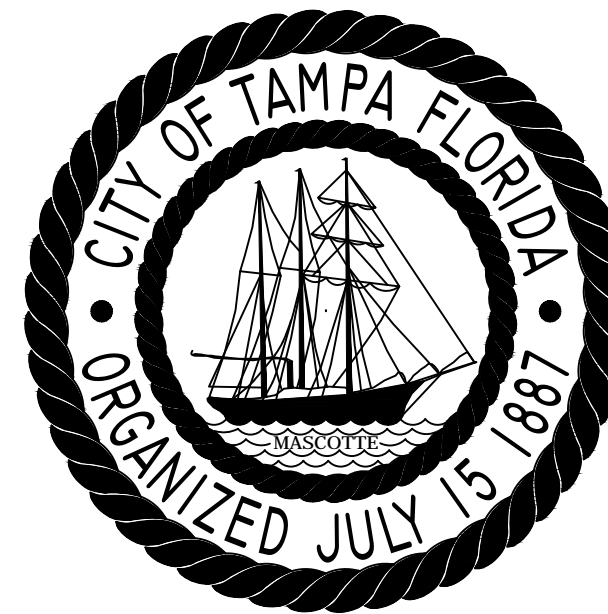


LOCATION MAP



PROJECT LOCATION
VIRGINIA PARK AREA
TAMPA, FL

CITY of TAMPA



WASTEWATER DEPARTMENT ENGINEERING DIVISION

PLANS FOR

VIRGINIA PARK WASTEWATER COLLECTION SYSTEM REHABILITATION BY CIPP

CONTRACT No. 21-C-00026

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.

No.	DATE	REVISIONS	DES: CB DRN: KLT CKD: DATE: Aug-2021	CITY of TAMPA WASTEWATER DEPARTMENT	VIRGINIA PARK WASTEWATER COLLECTION SYSTEM REHABILITATION BY CIPP	SHEET 1
1					COVER SHEET	
2						
3						

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

GENERAL NOTES

1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 10", 12" 15", AND 24" 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 14-70 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. A CITY OF TAMPA RIGHT OF WAY ACCELA PERMIT SHALL BE SUBMITTED FOR EACH ROADWAY AT THE FOLLOWING WEBSITE [HTTP://ACA.TAMPAGOV.NET/](http://aca.tampagov.net/)
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", 800 GPM FOR 12", 1,400 GPM FOR 15", 2,000 GPM FOR 24" DIAMETER PIPES. THE BYPASS PUMPS SHALL BE OF THE SELF PRIMING QUIET FLOW TYPE PUMP. BYPASS PUMP NOISE SHALL STRICTLY COMPLY TO ALL LOCAL REGULATIONS AND ORDINANCES COVERING NOISE CONTROL. THIS MAY REQUIRE CONSTRUCTING SOUND ATTENUATING ENCLOSURE AROUND PUMPS. BYPASS METHOD SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER.
9. THE PROPOSED LINER THICKNESS FOR THE 8" SEWER SHALL BE 6.0 MM THICKNESS, 10", 12" AND 15" DIA SEWERS SHALL BE 7.5 MM THICKNESS, AND 24" DIA SEWERS SHALL BE 12.0 MM THICKNESS..
10. CONTRACTOR SHALL RESTORE ALL LANDSCAPING, SODDING, SPRINKLER SYSTEM PIPING AND PAVEMENT THAT MAY HAVE BEEN DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL CONDITION OR BETTER.
11. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH WASTEWATER PERSONNEL AND PUMPING STATION OPERATIONS.
12. OSHA STANDARD EQUIPMENT SUCH AS SAFETY HARNESSSES, GAS MONITORS, LOWER EXPLOSIVE LIMIT (LEL) DETECTORS, BREATHING APPARATUS, ETC. SHALL BE UTILIZED WHERE THE WORK DICTATES THEIR USE.
13. 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.

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

INDEX	
SHT. NO.	DESCRIPTION
1	COVER SHEET
2	NOTES AND INDEX
3	OVERALL PROJECT LOCATION MAP
4-11	AREA MAPS
12	MANHOLE REHABILITATION DETAIL
13	MANHOLE DETAIL
14-70	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.

No.	DATE	REVISIONS
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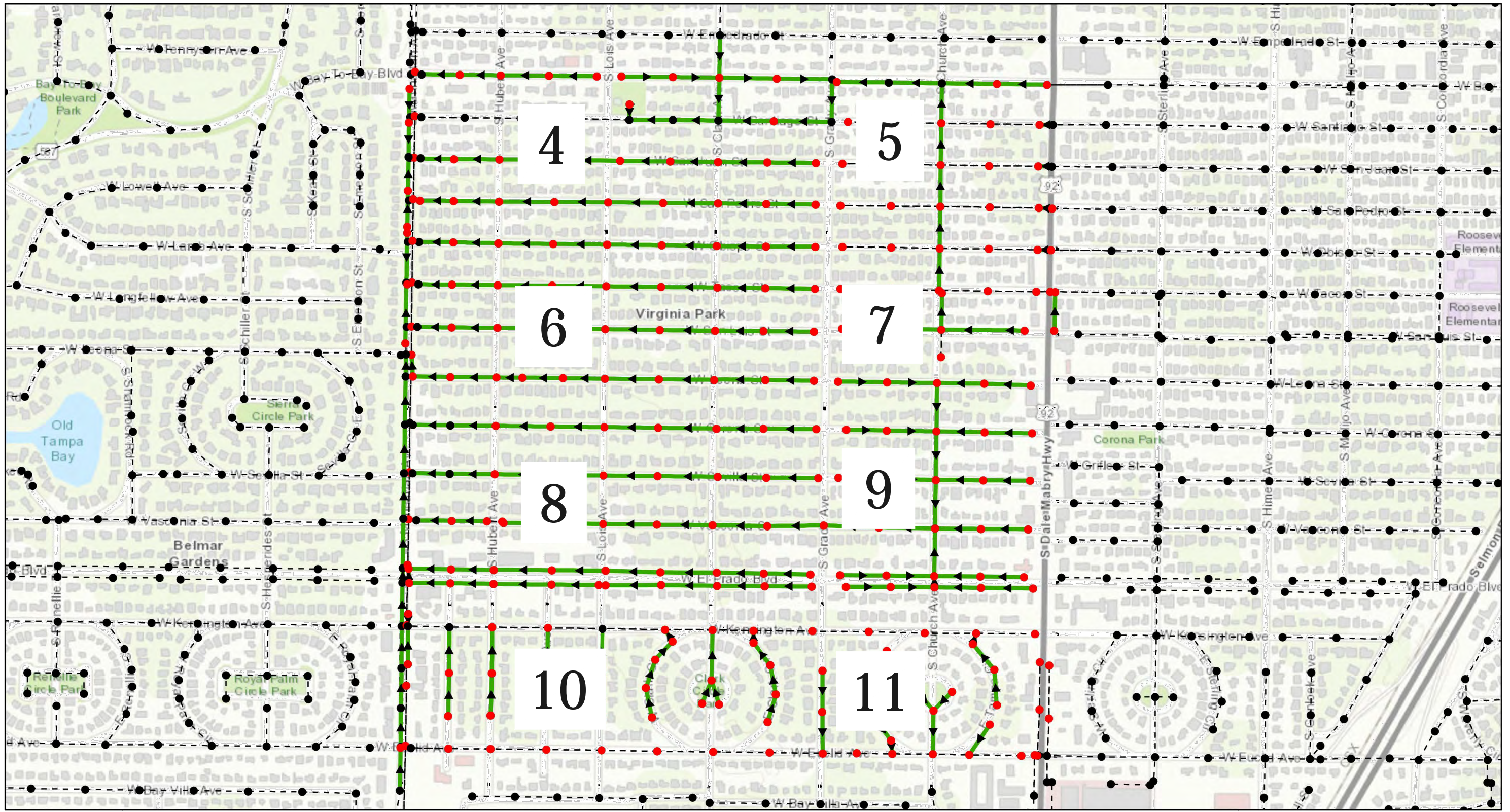
JACINTO CARLOS FERRAS, P.E. #49454
DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

DES: CB
DRN: KLT
CKD:
DATE: Aug-2021

CITY of TAMPA
WASTEWATER DEPARTMENT

VIRGINIA PARK WASTEWATER COLLECTION
SYSTEM REHABILITATION BY CIPP
NOTES & INDEX

SHEET
2



0 0.075 0.15 0.3 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

No.	DATE	REVISIONS
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 DATE: Aug-2021

CITY of TAMPA
WASTEWATER DEPARTMENT

VIRGINIA PARK WASTEWATER COLLECTION
 SYSTEM REHABILITATION BY CIPP
 OVERALL PROJECT LOCATION MAP

SHEET
3

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Legend

- Ex Manhole (no rehabilitation required)
- Proposed Manhole Rehabilitation
- — — Ex Wastewater (no rehabilitation required)
- ➔ Proposed Lining Area
- Ex Lateral Line



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

No.	DATE	REVISIONS
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CITY of TAMPA
WASTEWATER DEPARTMENT

VIRGINIA PARK WASTEWATER COLLECTION
 SYSTEM REHABILITATION BY CIPP
 AREA MAP – VIRGINIA PARK

SHEET
 4

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Legend

- Ex Manhole (no rehabilitation required)
- Proposed Manhole Rehabilitation
- — — Ex Wastewater (no rehabilitation required)
- ➔ Proposed Lining Area
- Ex Lateral Line



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

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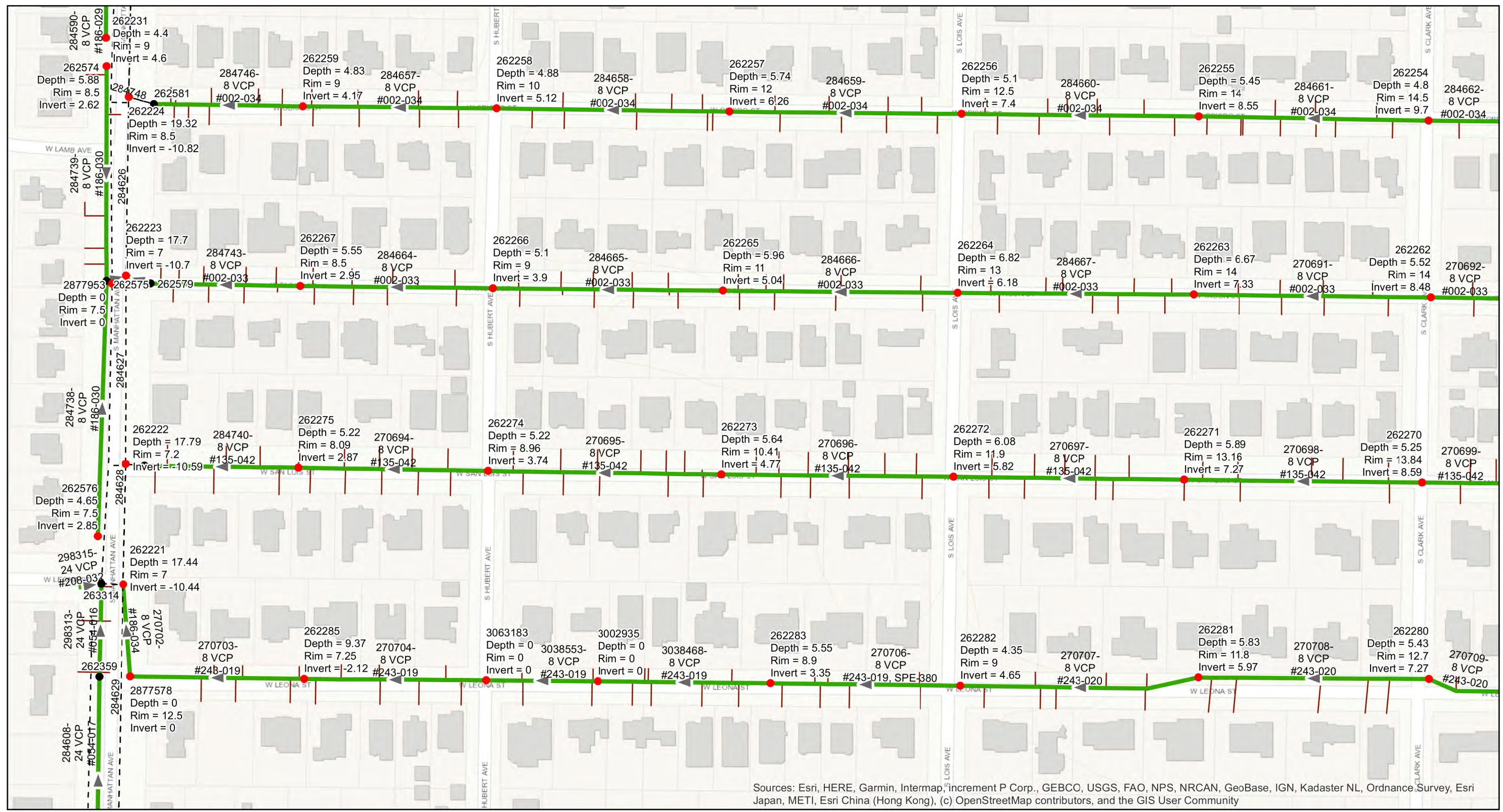
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 DATE: Aug-2021

CITY of TAMPA
WASTEWATER DEPARTMENT

VIRGINIA PARK WASTEWATER COLLECTION
 SYSTEM REHABILITATION BY CIPP
 AREA MAP – VIRGINIA PARK

SHEET
5

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

Legend

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



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DESIGN DIVISION HEAD
WASTEWATER DEPARTMENT

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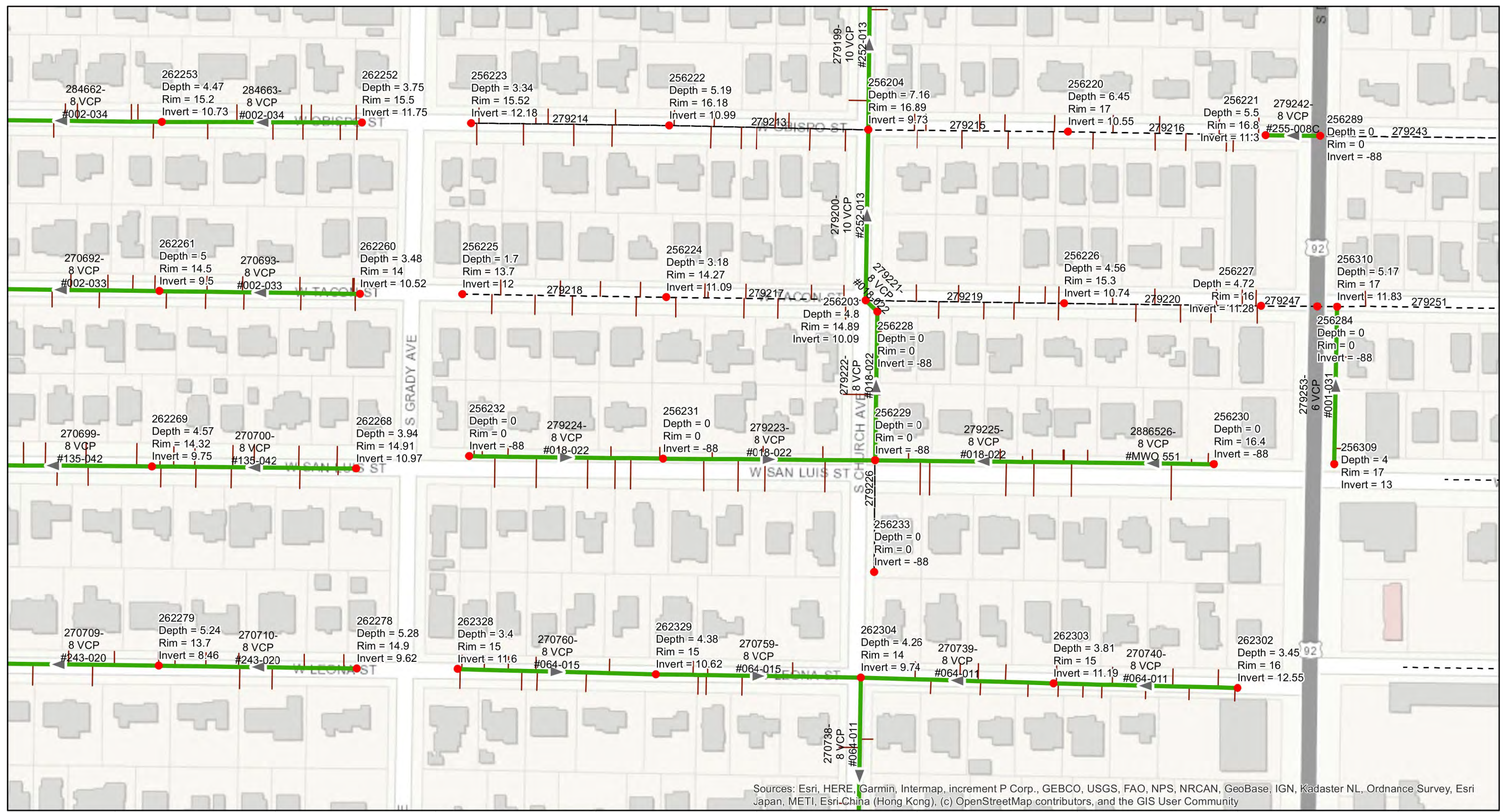
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DATE: Aug-2021

CITY of TAMPA
WASTEWATER DEPARTMENT

VIRGINIA PARK WASTEWATER COLLECTION
SYSTEM REHABILITATION BY CIPP
AREA MAP – VIRGINIA PARK

SHEET
6

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

0 0.0225 0.045 0.09 Miles

Legend

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



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

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DATE: Aug-2021

CITY of TAMPA
WASTEWATER DEPARTMENT

VIRGINIA PARK WASTEWATER COLLECTION
SYSTEM REHABILITATION BY CIPP
AREA MAP – VIRGINIA PARK

SHEET
7

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Legend

- Ex Manhole (no rehabilitation required)
- Proposed Manhole Rehabilitation
- — — Ex Wastewater (no rehabilitation required)
- ▶— Proposed Lining Area
- Ex Lateral Line



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

VIRGINIA PARK WASTEWATER COLLECTION
 SYSTEM REHABILITATION BY CIPP
 AREA MAP – VIRGINIA PARK

SHEET
 8

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Legend

- Ex Manhole (no rehabilitation required)
- Proposed Manhole Rehabilitation
- — — Ex Wastewater (no rehabilitation required)
- ➔ Proposed Lining Area
- — — Ex Lateral Line



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

VIRGINIA PARK WASTEWATER COLLECTION
 SYSTEM REHABILITATION BY CIPP
 AREA MAP – VIRGINIA PARK

SHEET
 9

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

0 0.02 0.04 0.08 Miles



Legend

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

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

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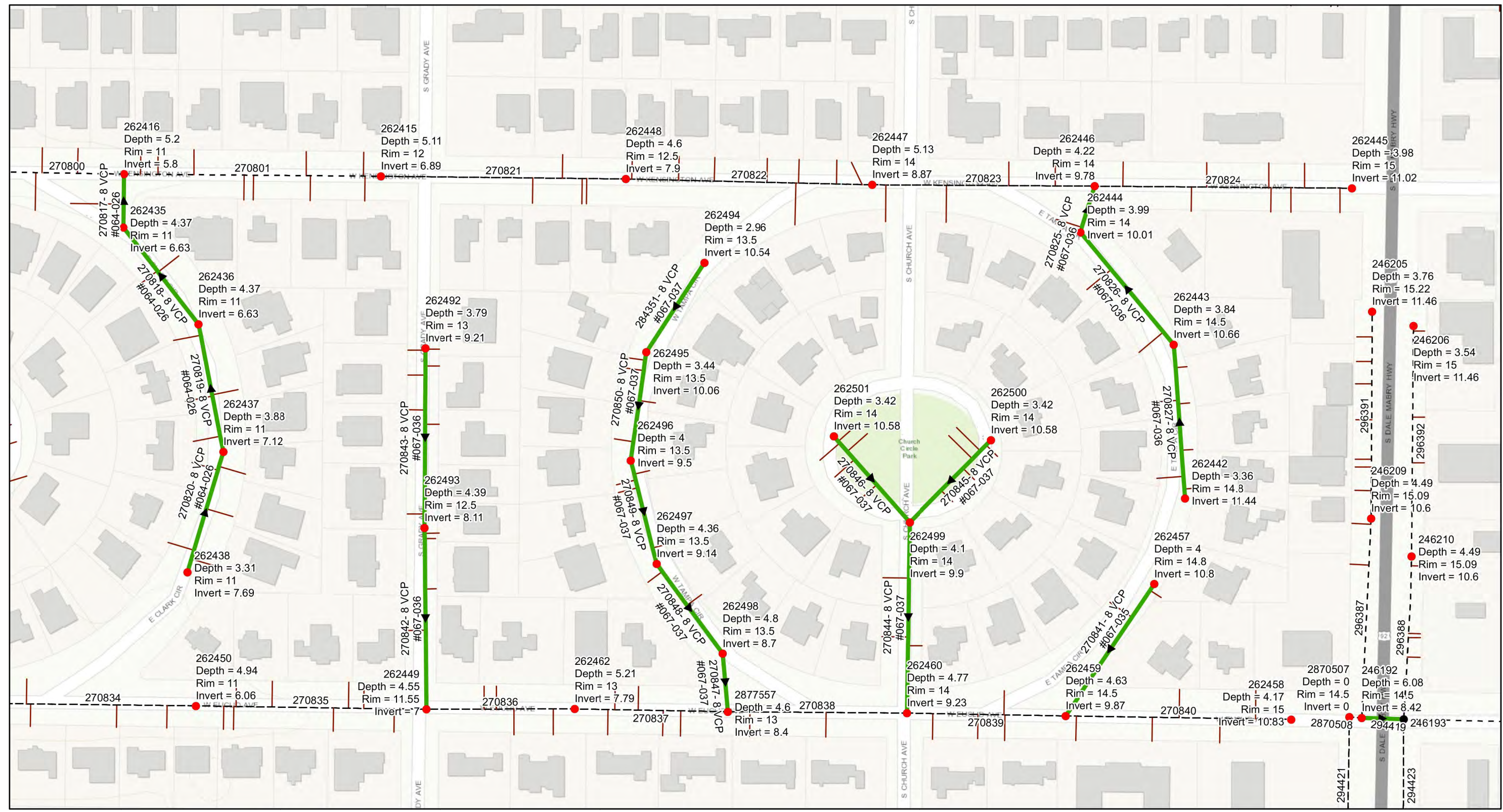
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CITY of TAMPA
WASTEWATER DEPARTMENT

VIRGINIA PARK WASTEWATER COLLECTION
 SYSTEM REHABILITATION BY CIPP
 AREA MAP – VIRGINIA PARK

SHEET
10

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0 0.02 0.04 0.08 Miles

Legend

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



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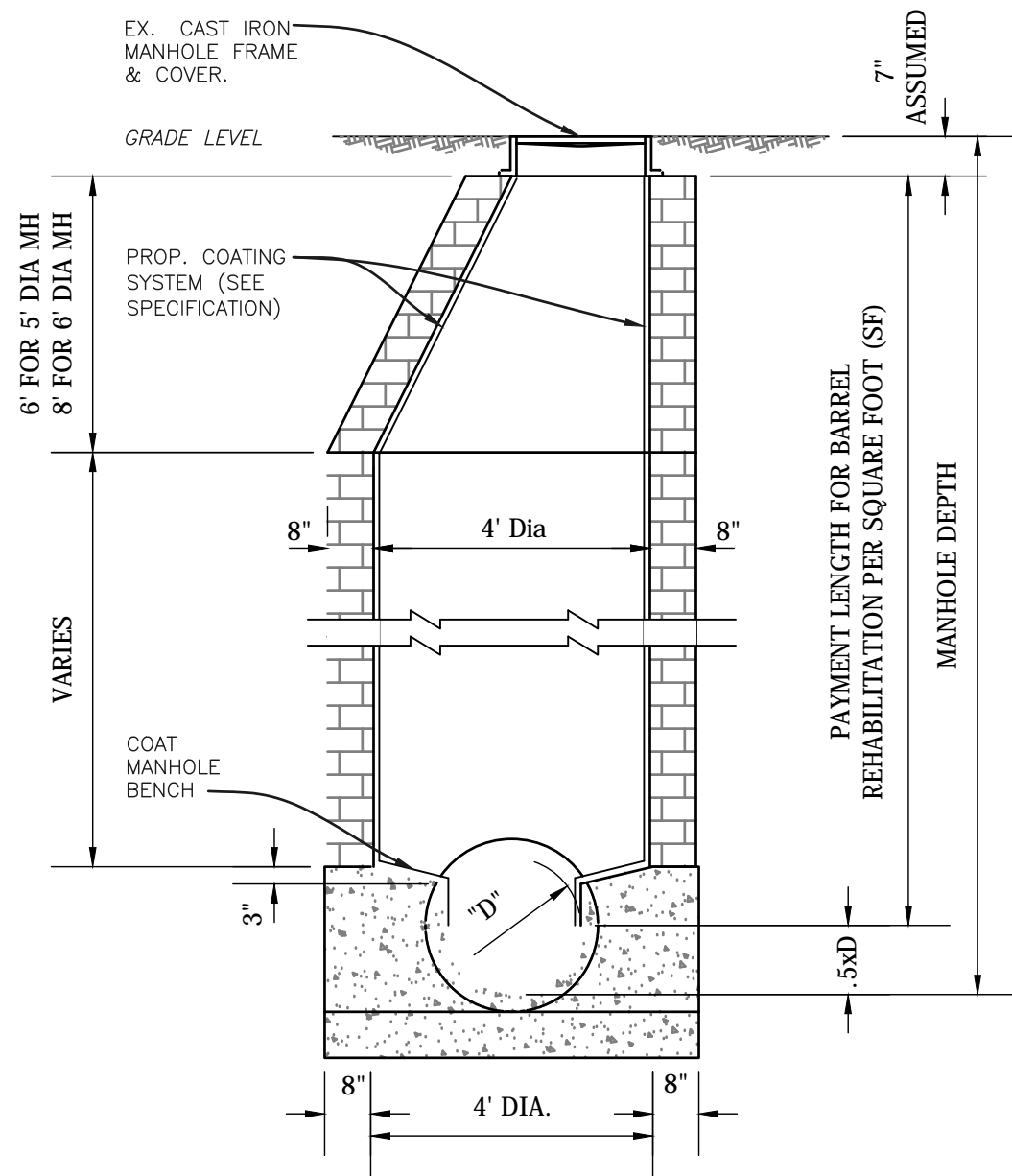
CITY of TAMPA
WASTEWATER DEPARTMENT

VIRGINIA PARK WASTEWATER COLLECTION
SYSTEM REHABILITATION BY CIPP
AREA MAP – VIRGINIA PARK

SHEET
11

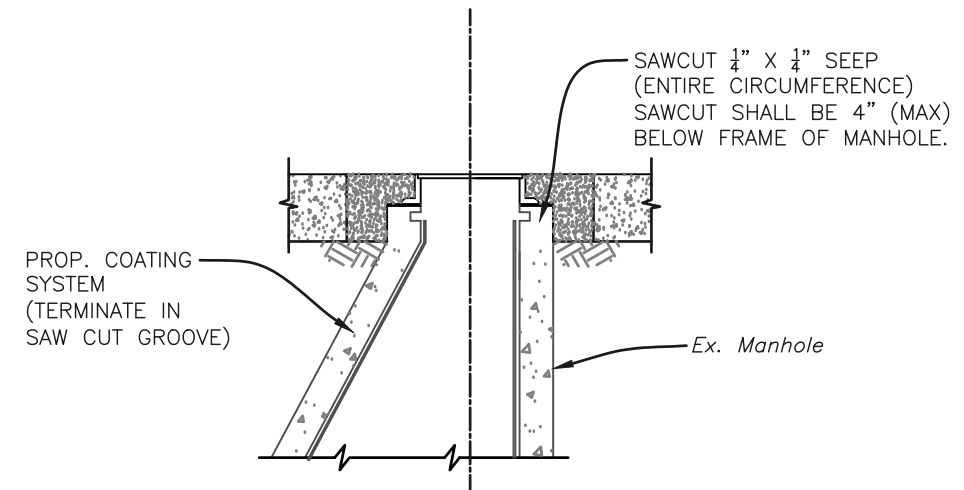
NOTES

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



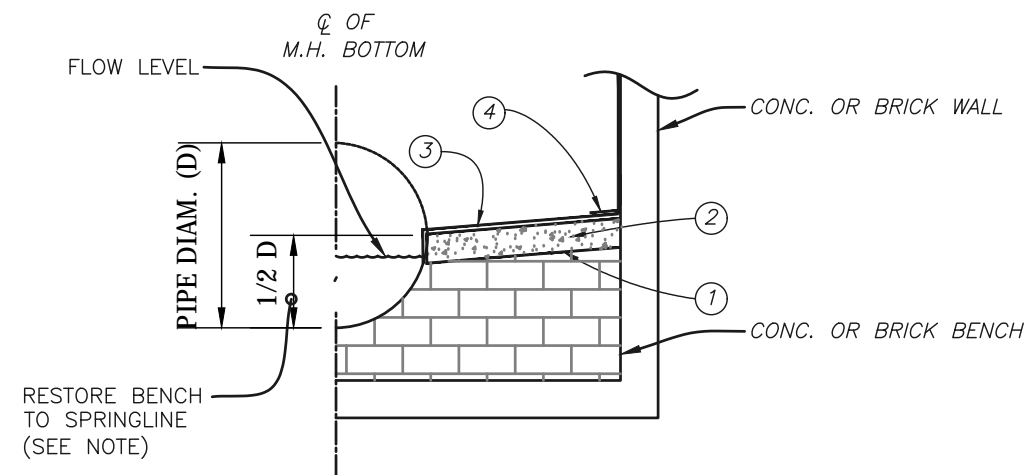
BRICK OR CONCRETE MANHOLE (TYPICAL)

SCALE: N.T.S.



COATING TERMINATION DETAIL

SCALE: N.T.S.



TYPICAL MANHOLE BENCH RESTORATION DETAIL

SCALE: N.T.S.

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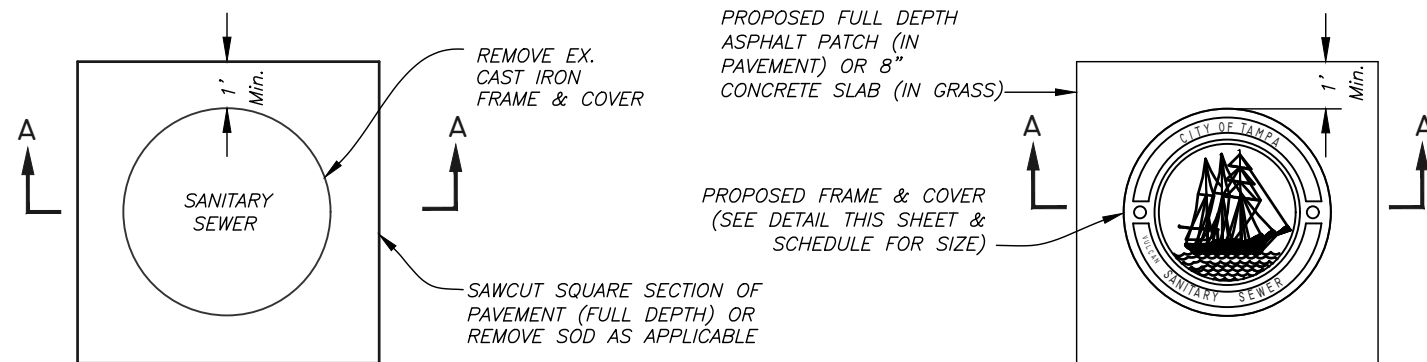
CITY of TAMPA
WASTEWATER DEPARTMENT

VIRGINIA PARK WASTEWATER COLLECTION
 SYSTEM REHABILITATION BY CIPP
 MANHOLE REHABILITATION DETAIL

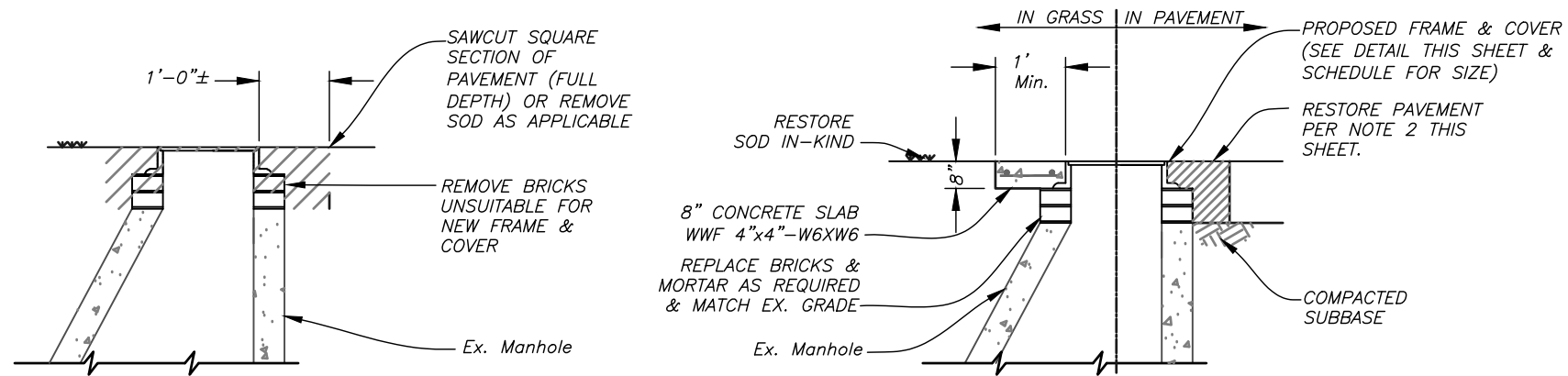
SHEET
 12

NOTES

- FOR MANHOLE COVER SIZES AND WHETHER THE COVERS ARE LOCATED IN GRASS OR PAVEMENT, WILL BE PROVIDED ON EACH INDIVIDUAL WORK ORDER ISSUED UNDER THIS CONTRACT.
- PAVEMENT RESTORATION SHALL CONSIST OF 8" PERMANENT BASE (CRUSHED CONCRETE OR CRUSHED LIMESTONE BASE) AND PERMANENT ASPHALT SUPERPAVE PAVEMENT, UNLESS OTHERWISE NOTED. IF LOCATED IN D.O.T. ROW, AN ADDITIONAL 1 1/2" SUPER PAVE ASPHALT IS REQUIRED.



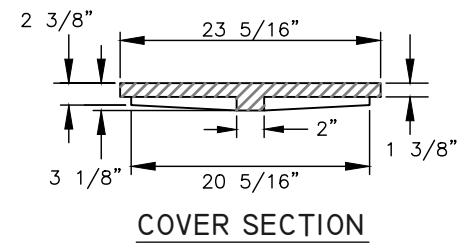
PLAN



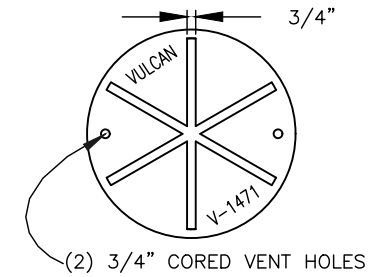
**SECTION A-A
REMOVAL DETAIL**

**SECTION B-B
REPLACEMENT
DETAIL**

SMALL COVER DETAIL



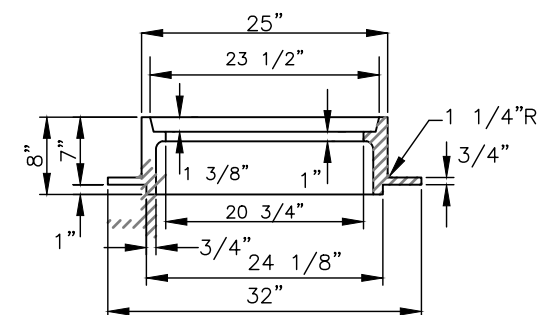
COVER SECTION



COVER BACK

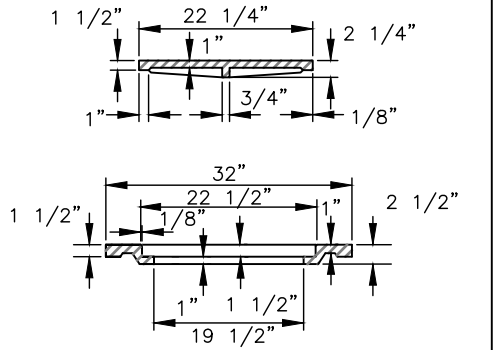


COVER FACE

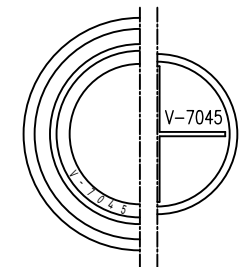


FRAME SECTION

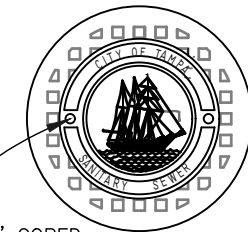
LARGE COVER DETAIL



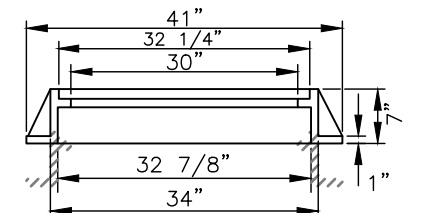
INNER & OUTER COVER SECTIONS



COVER BACKS



COVER FACES



FRAME SECTION

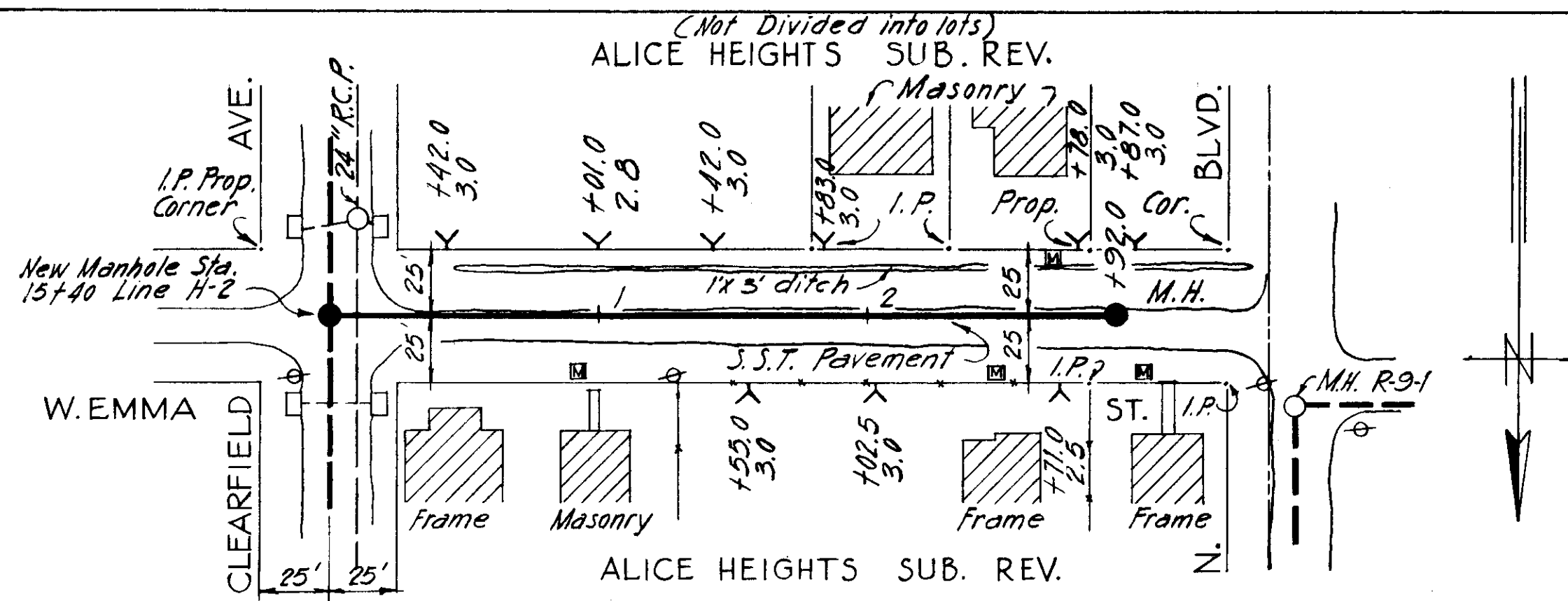
FOR MH'S OF SEWERS 24" OR LESS IN DIAMETER:
VULCAN FOUNDRY NO. V-1471,
U.S. FOUNDRY NO. 575-AT, OR EQUAL

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

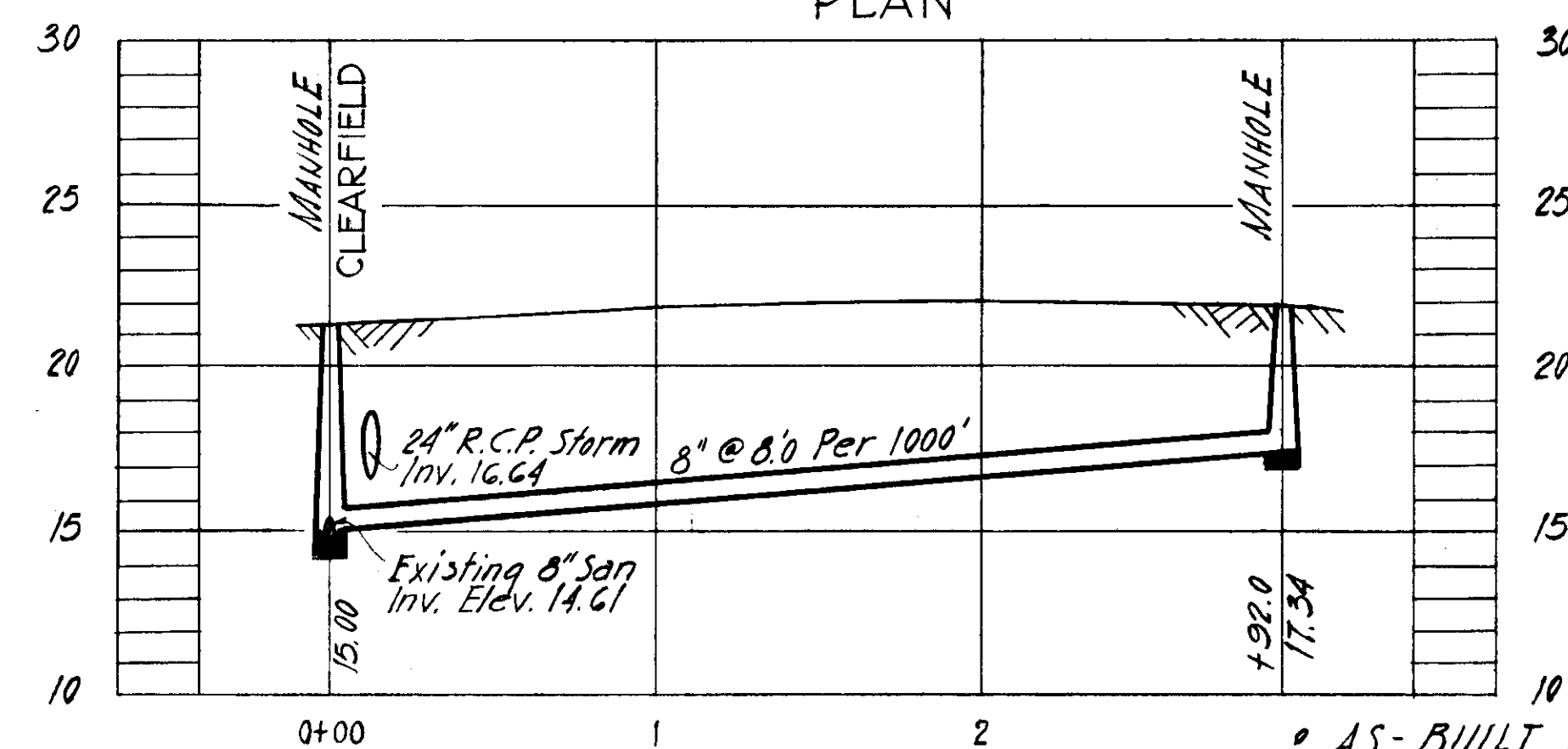
HEAVY DUTY CAST IRON MANHOLE FRAME & COVER DETAILS

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JACINTO CARLOS FERRAS, P.E. #49454 DESIGN DIVISION HEAD WASTEWATER DEPARTMENT	No.	DATE	REVISIONS	DES: CB	CITY of TAMPA WASTEWATER DEPARTMENT	VIRGINIA PARK WASTEWATER COLLECTION SYSTEM REHABILITATION BY CIPP MANHOLE DETAIL	SHEET 13
	1			DRN: KLT			
	2			CKD:			
	3			DATE: Aug-2021			

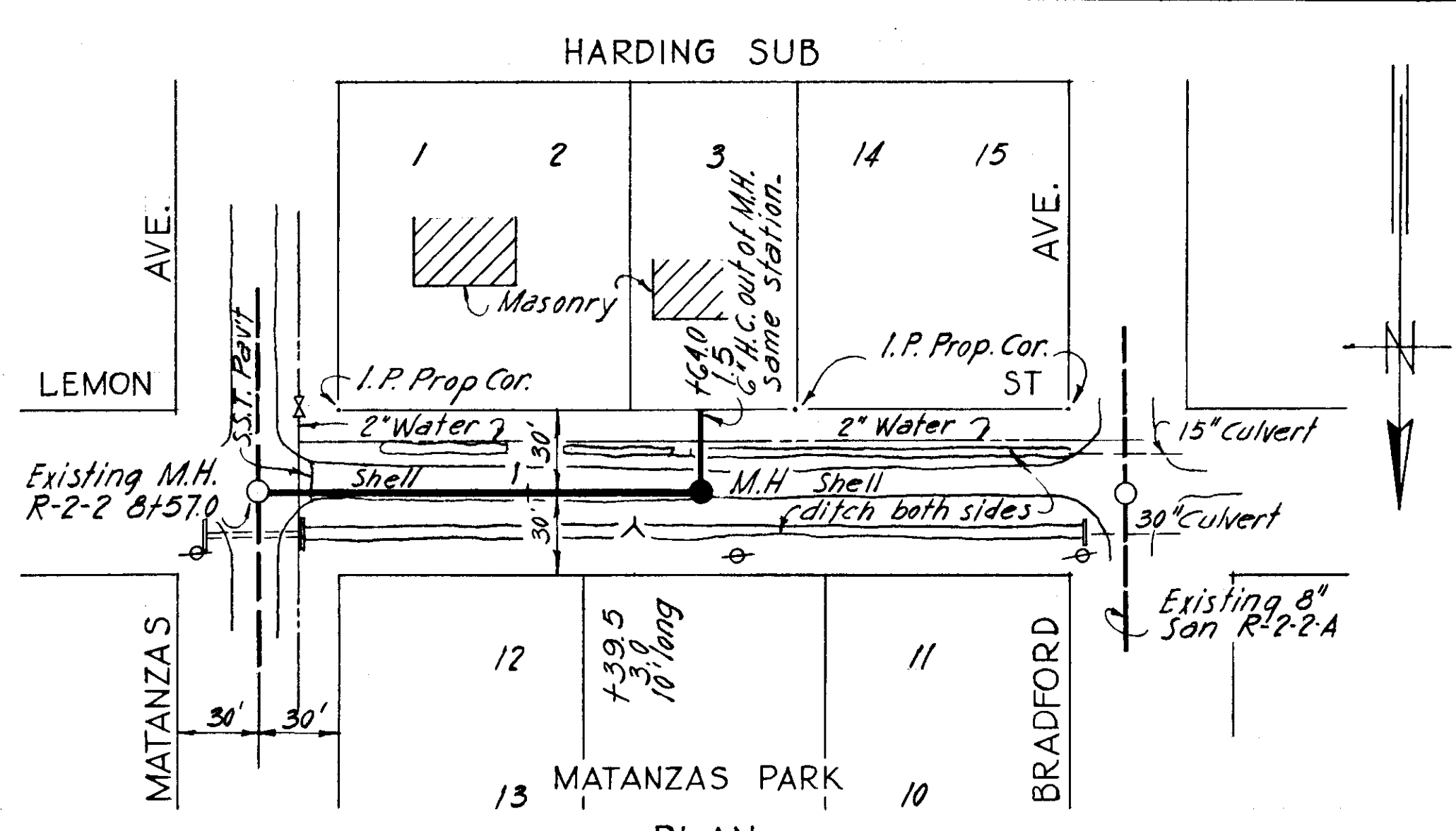


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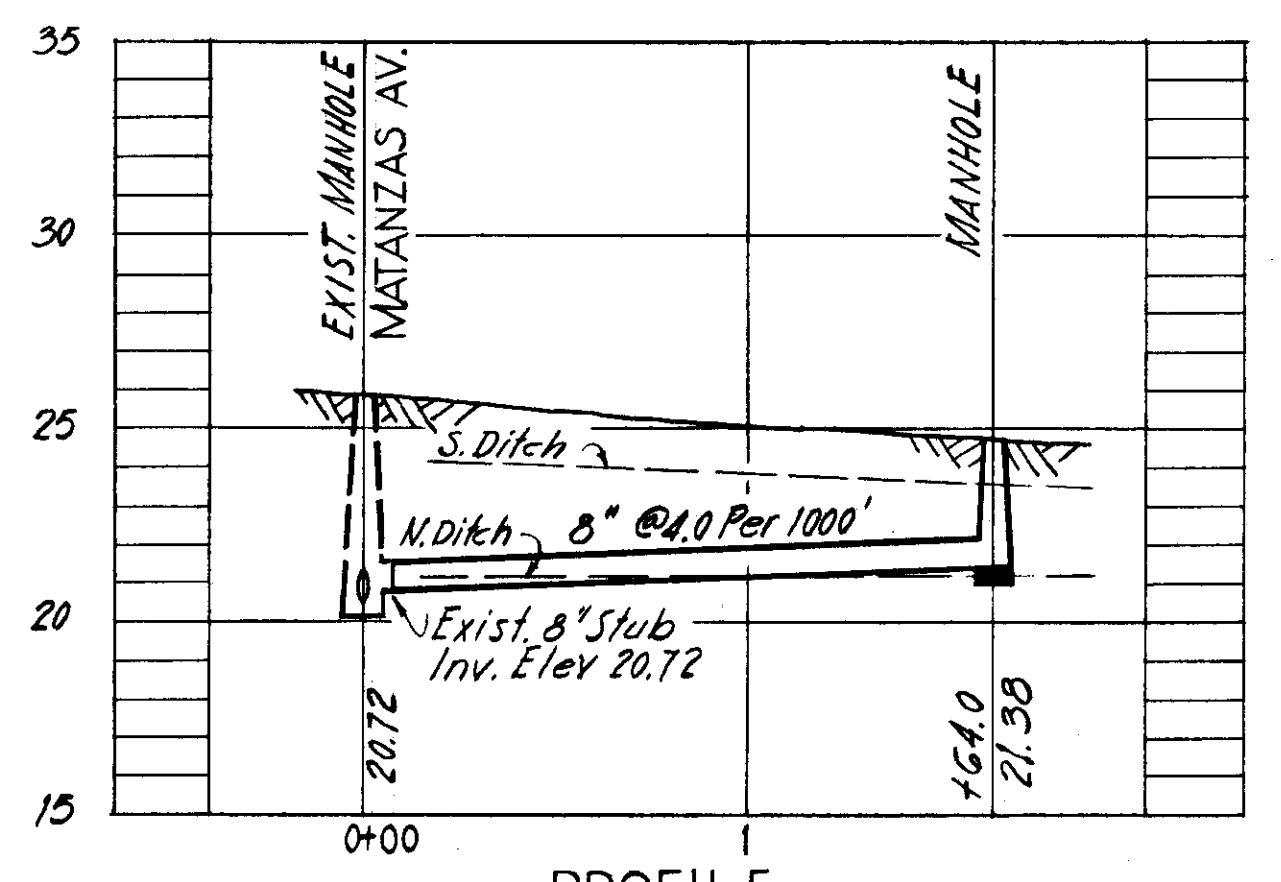


PROFILE H-2-H

AS-BUILT PLAN
Revised to show actual conditions according to construction records of 3/12/56. Work started 3/5/56, work completed 3/12/56 (E.C.A. 3/17/56)

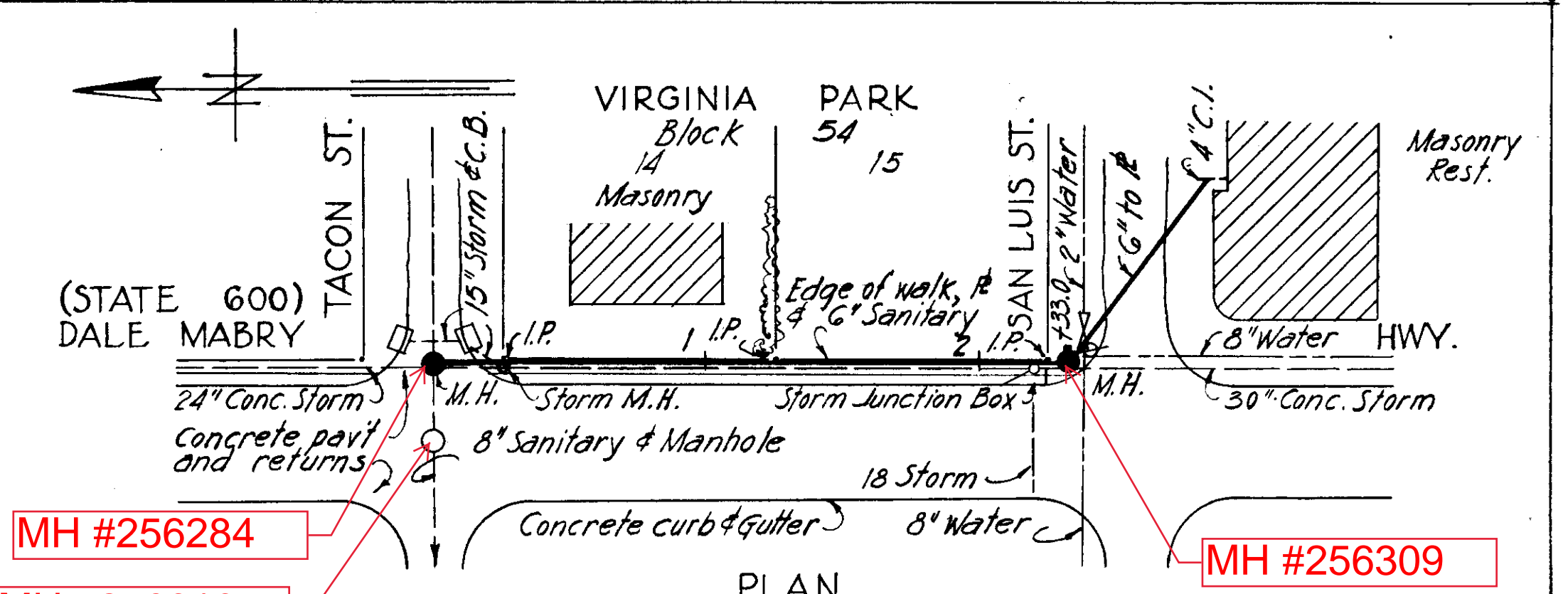


PLAN

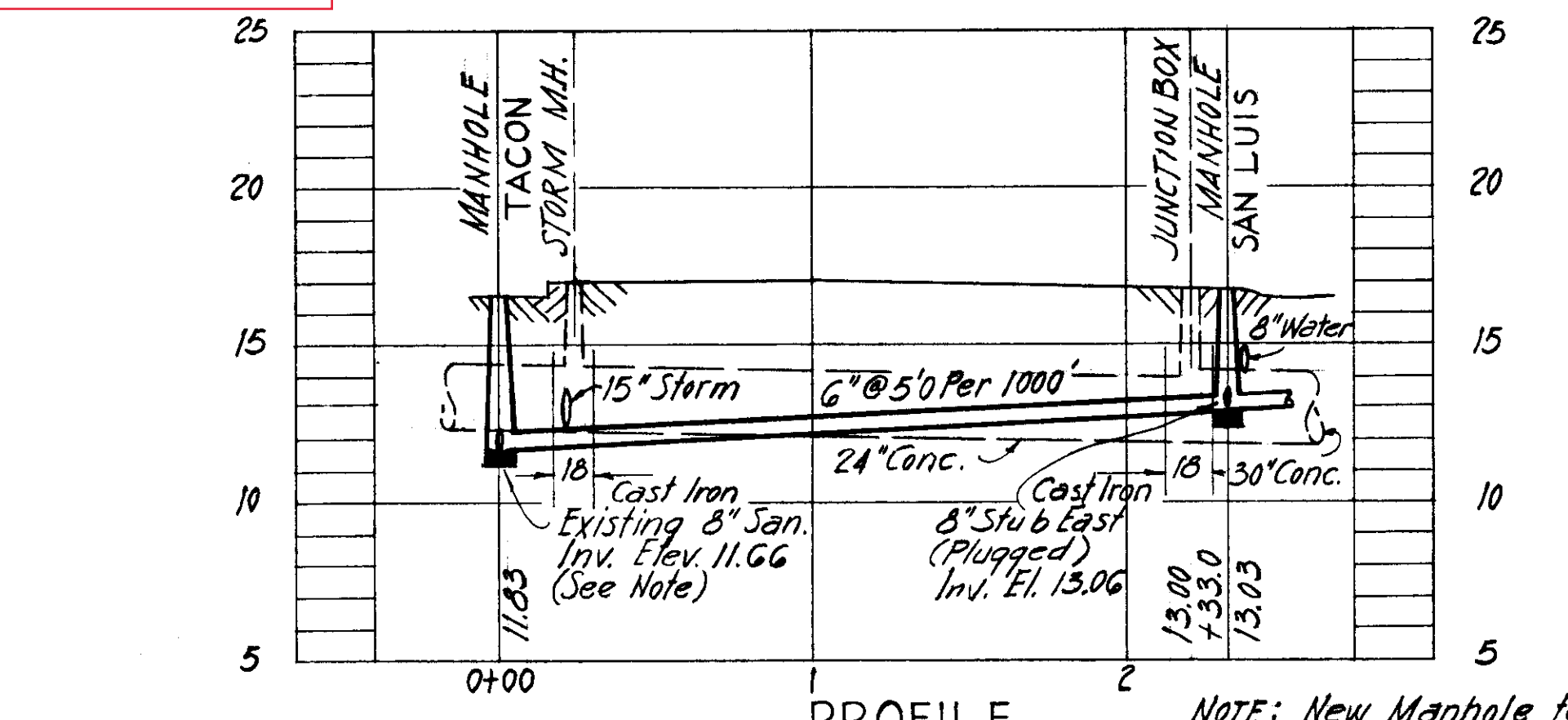


PROFILE R2-2N

AS-BUILT PLAN
Revised to actual conditions according to construction records of 12/19/55. Work started 12/19/55, work completed 12/21/55 (E.C.A. 3/18/56)



PLAN



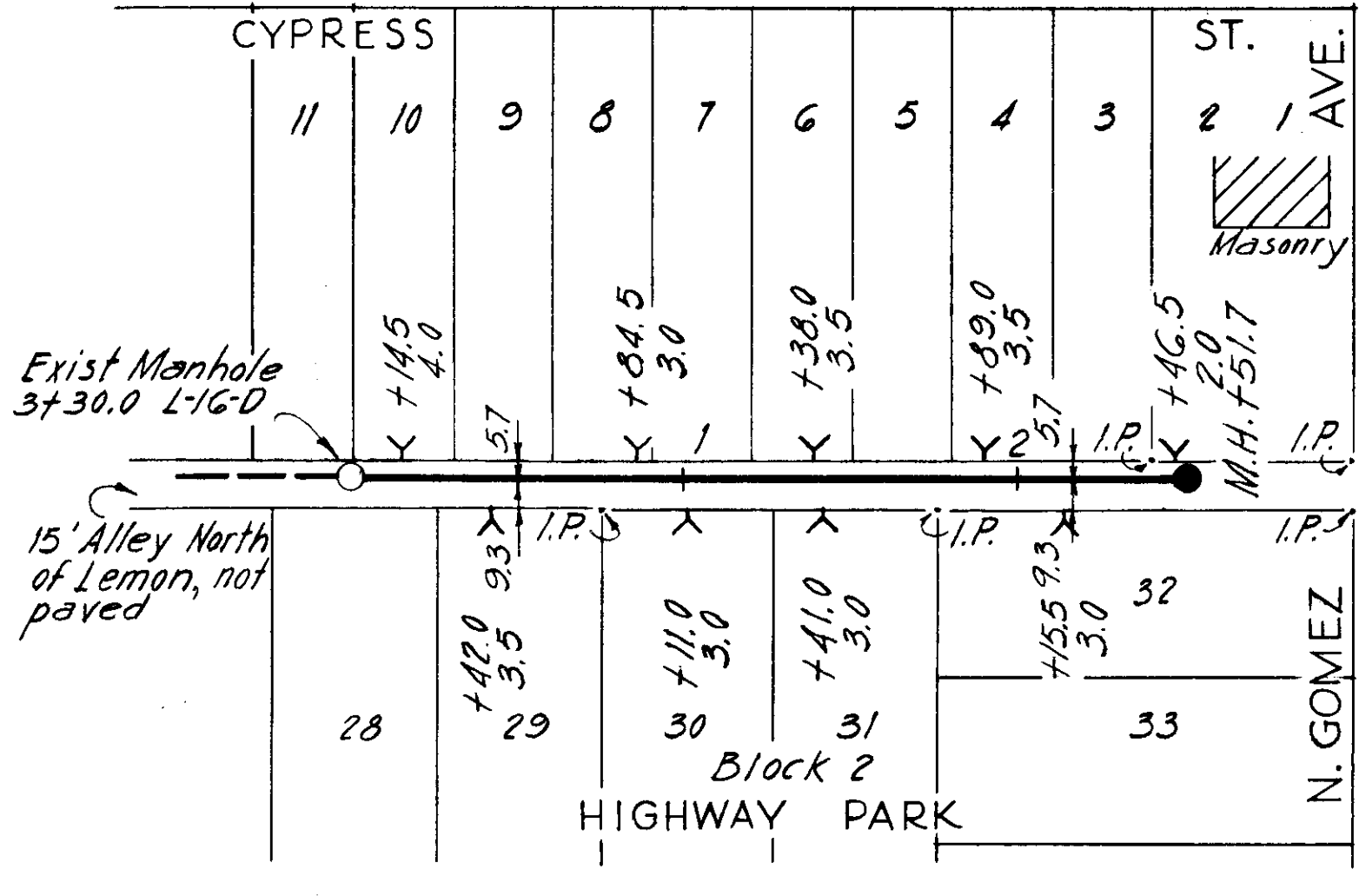
PROFILE XVPx-1

NOTE: New Manhole to be built around existing 8" San., break out when 6" line completed. See manhole detail below.

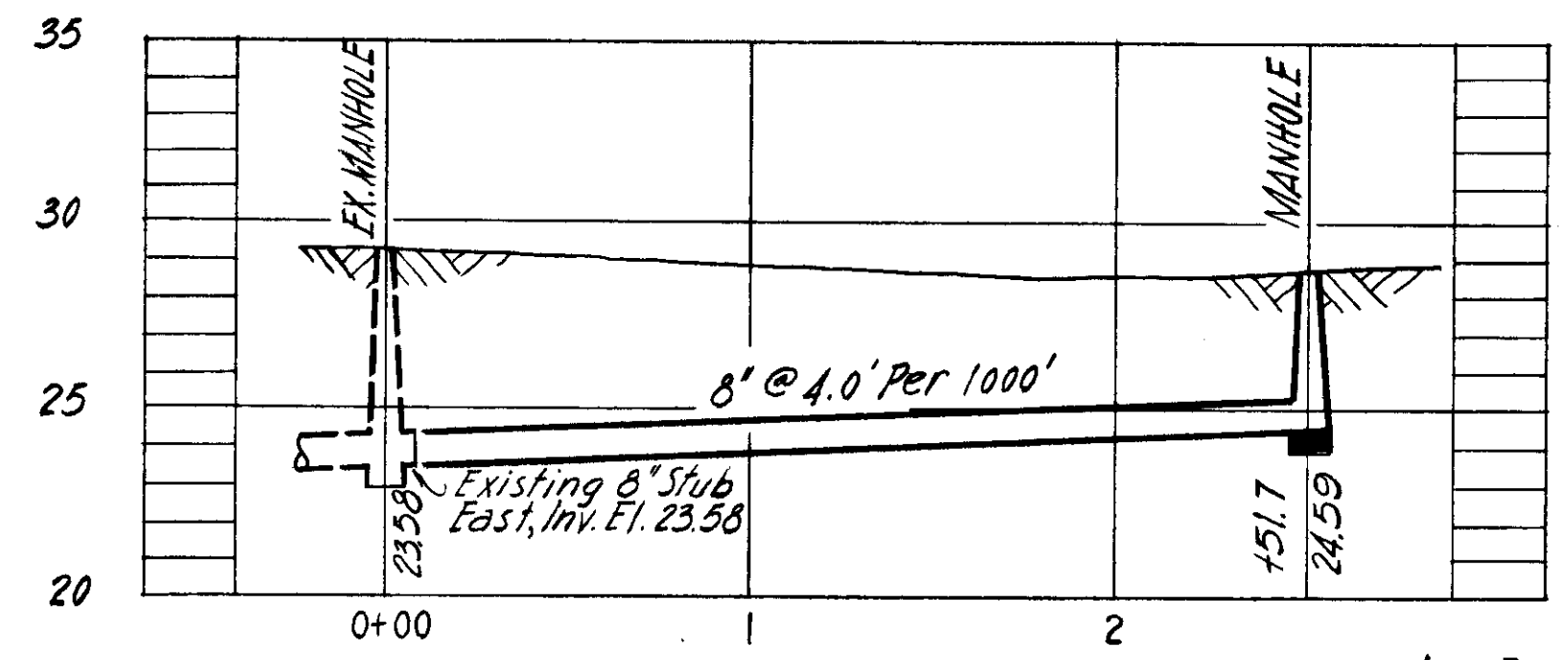
MH #256284

MH #256310

MH #256309

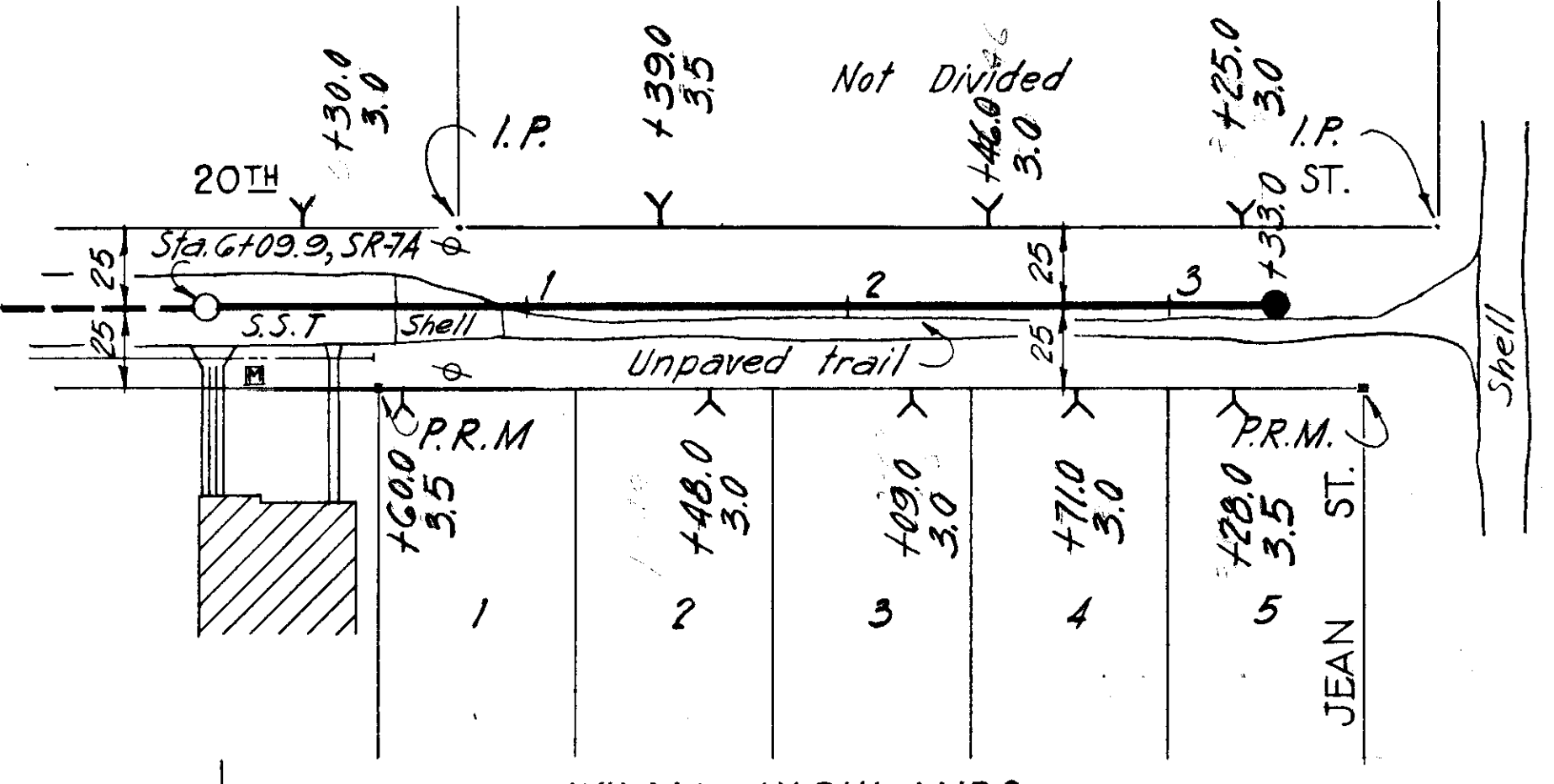


PLAN

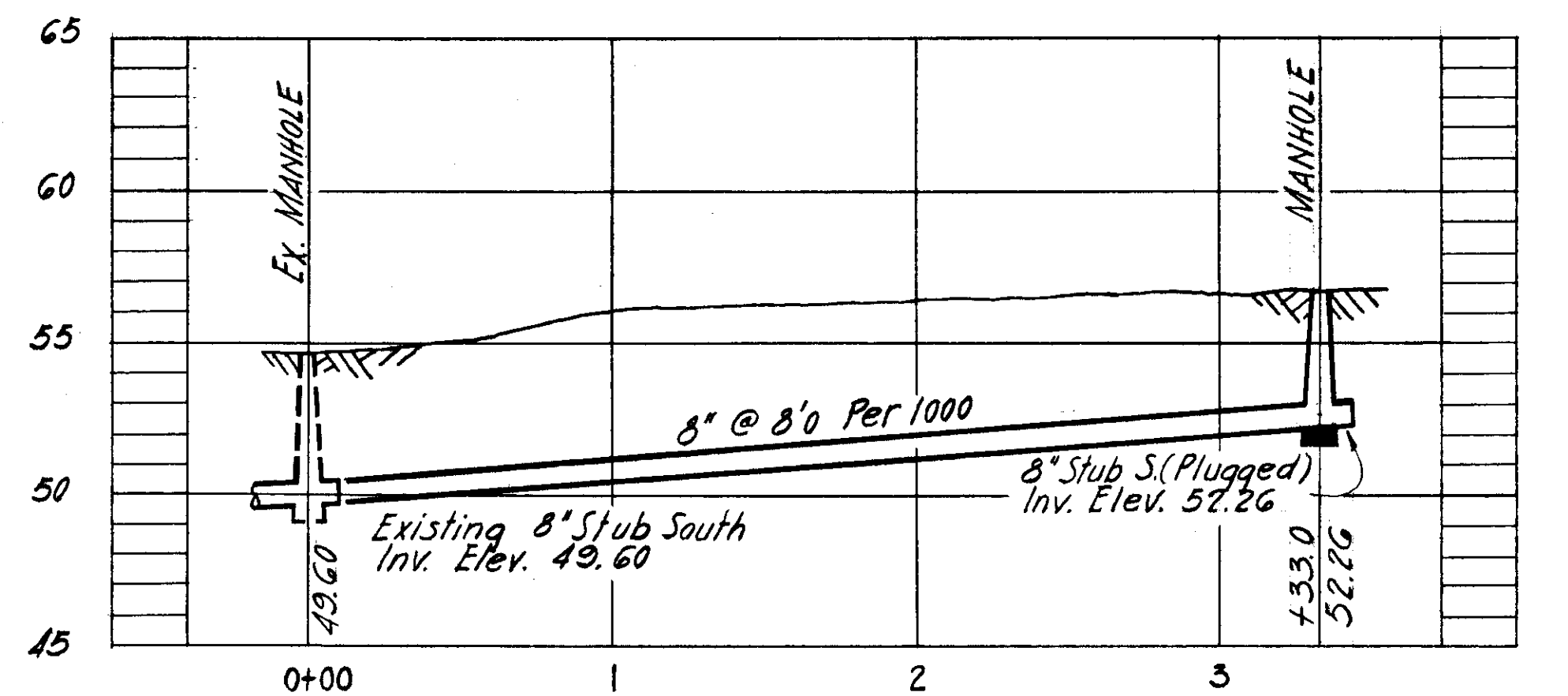


PROFILE L-16D-1

AS-BUILT PLAN
Revised to show actual conditions according to construction records of 12/29/55. Work started 12/22/55, work completed 12/29/55 (E.C.A. 3/18/55)

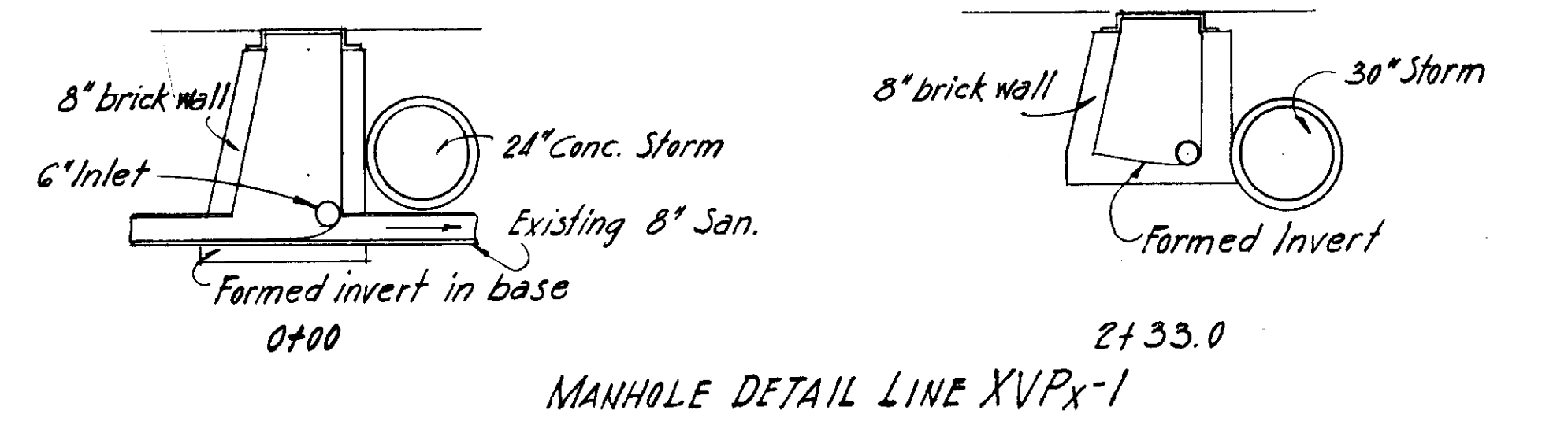


WILMA HIGHLANDS PLAN



PROFILE SR-7A-1

AS-BUILT PLAN
Revised to show actual conditions at time of completion. Work started 5/2/56, completed 5/4/56 (EA 4/2/57)



MANHOLE DETAIL LINE XVPx-1

DEPT. OF PUBLIC WORKS
BUREAU OF SANITARY SEWERS

R&R FORCE ACCOUNT NO 6
SUBMITTED: [Signature]
APPROVED: R.E. Foerster
Greeley and Hansen, Engineers

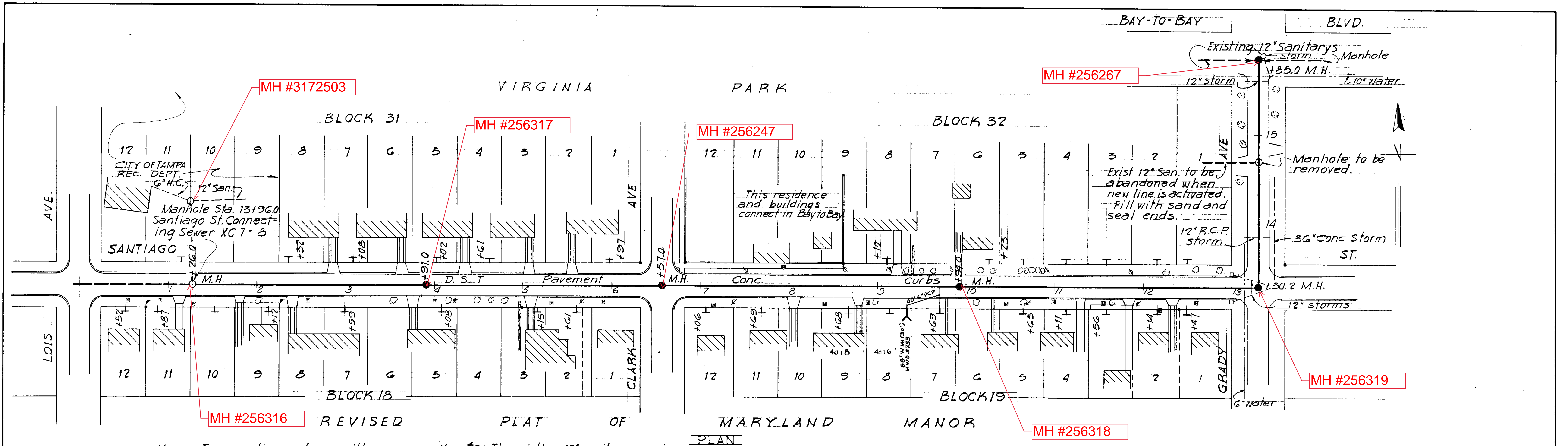
CITY OF TAMPA, FLORIDA
RENEWAL AND REPLACEMENT FUND
EXTENSIONS IN AREAS 2,9,16 & VIRGINIA PK.

H-2-H, R2-2N, XVPx-1
L-16D-1 & SR-7A-1

SCALE
0 50 100 1"=50'

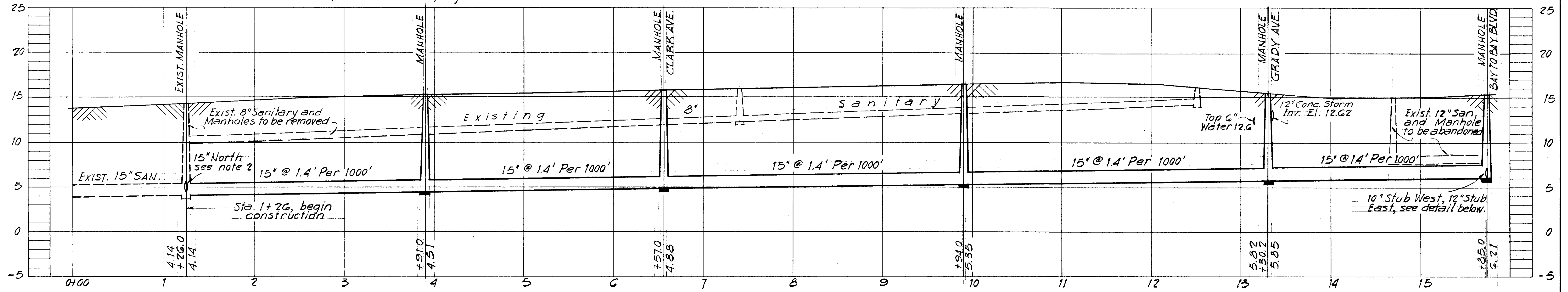
SHEET 2 OF 3

001-031

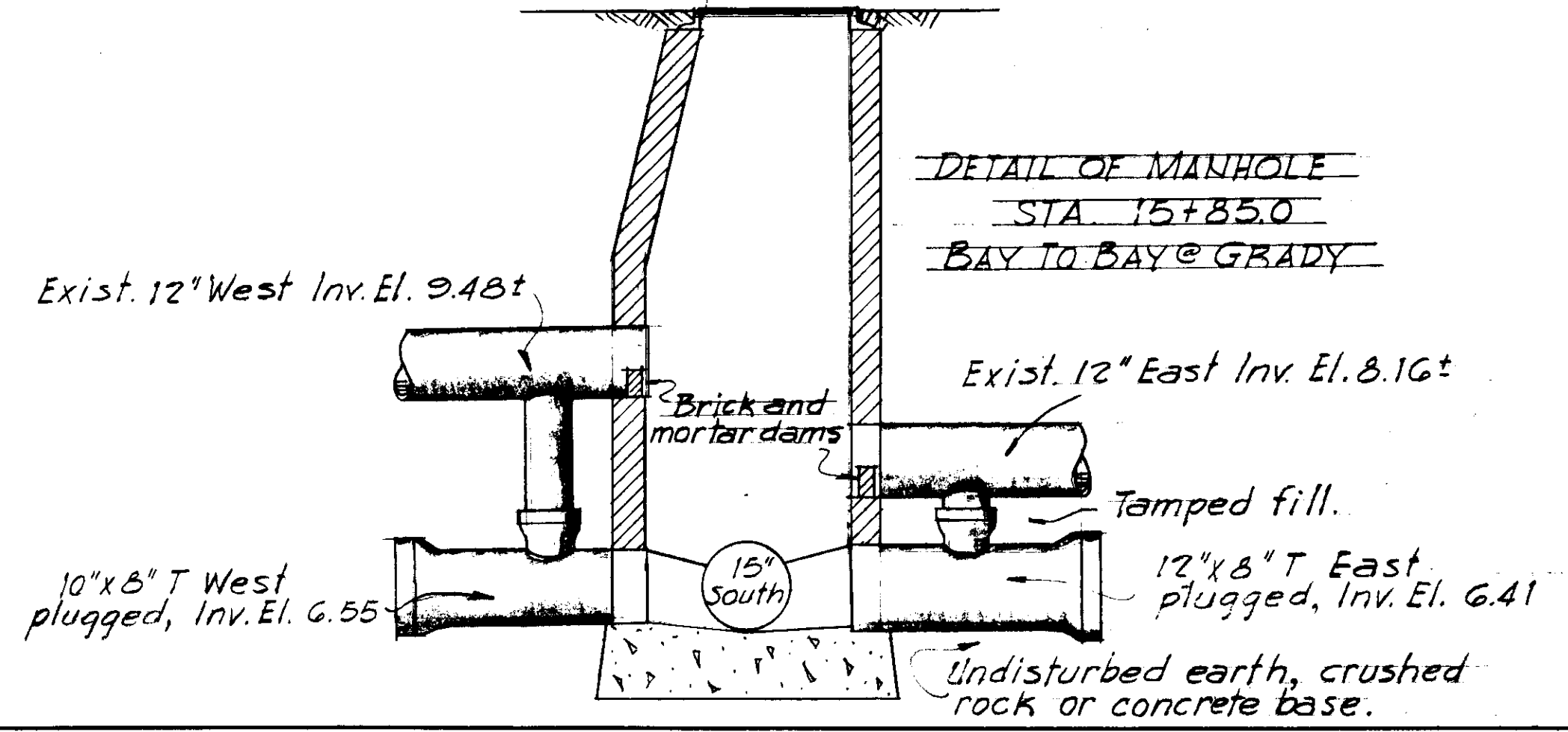


NOTE: T connections shown with the station indicated exist, and the new G connections from risers will tie to these connections at the Recreation Dept. Bldg. connection should be rerouted to T at sta 0+87'

NOTE #2: The existing 12" sanitary running north and east from manhole at station 1+26.0 should remain in service until the new line is activated; then remove frame and cover from manhole in playground, plug off at manhole 1+26 and fill with sand.



PROFILE
- WO-1089 -



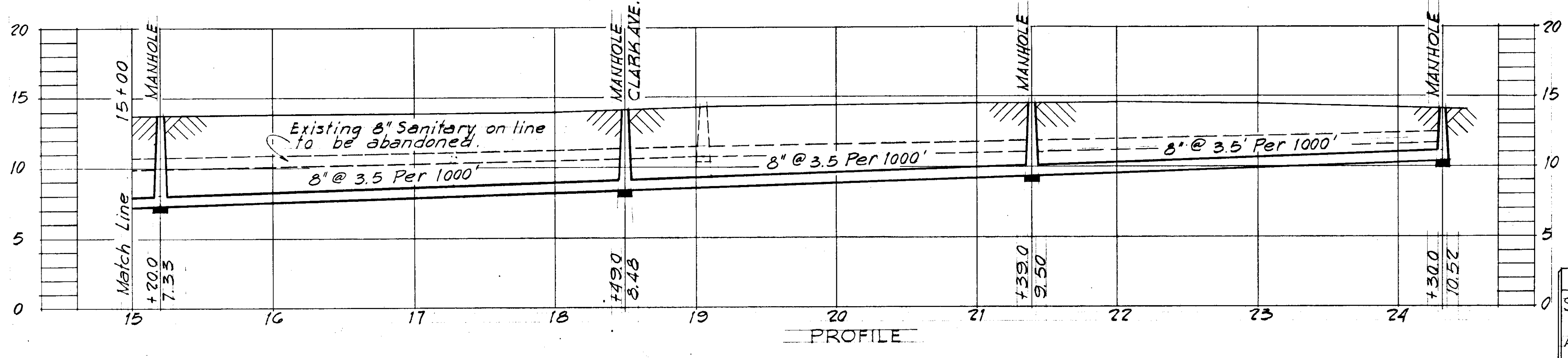
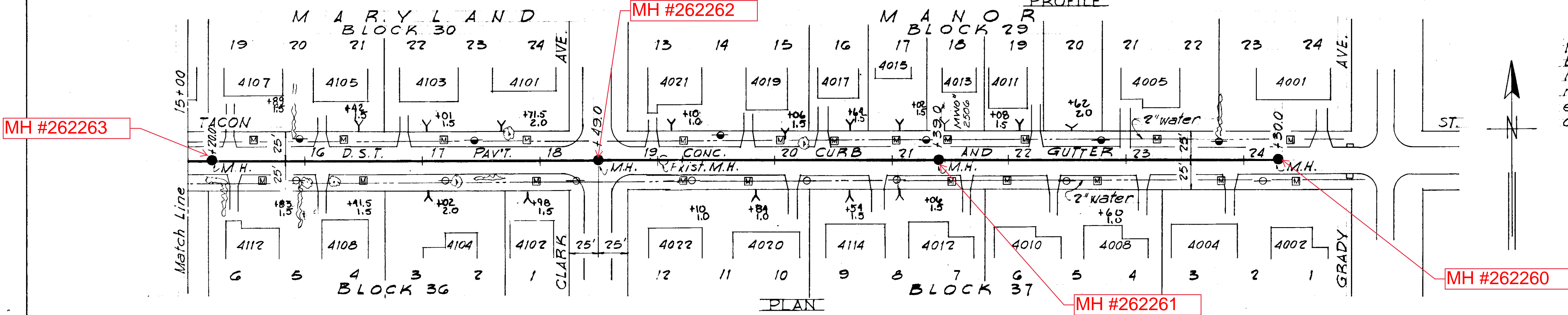
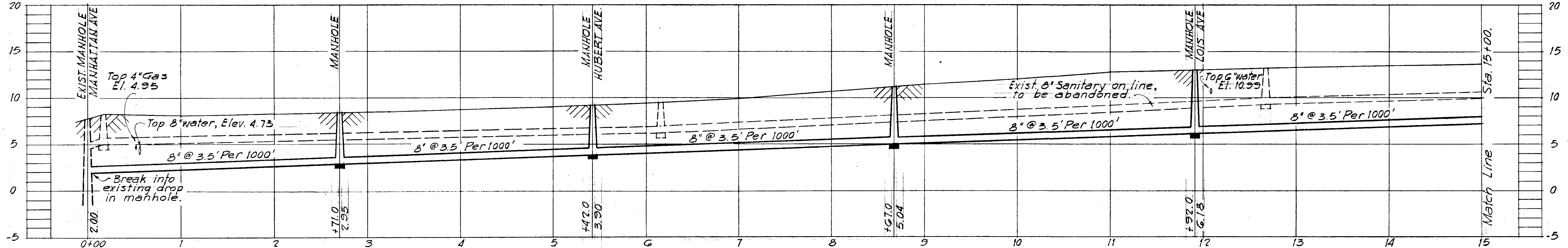
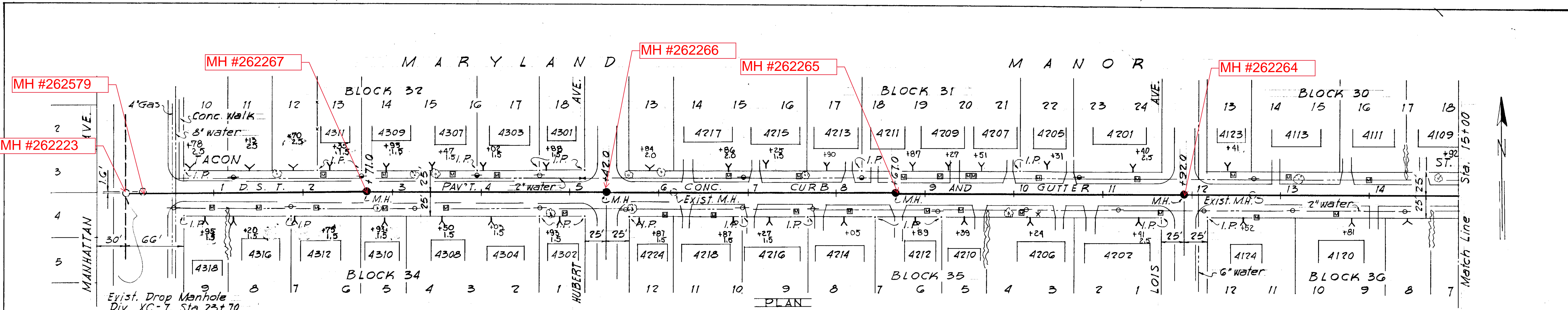
SEWER LINE LOCATION
SEC. MAP No. LINE No.
K-9-4

CITY OF TAMPA FLORIDA RENEWAL AND REPLACEMENT FUND	
SEWER IMPROVEMENTS	
MARYLAND MANOR TRUNK REHABILITATION 22	
R&R FORCE ACCOUNT NO 22	DES: RVJ
SUBMITTED: <i>[Signature]</i>	DR: ECA
APPROVED: <i>[Signature]</i>	CKD: REF
BUREAU OF SANITARY SEWERS	DATE
GREELEY AND HANSEN ENGINEERS	FEB. 1960

50 0 50 100
1" = 50'

SHEET 1 OF 3

002-022



NOTE: House connections have been indicated only at vacant lots. New connections will be run to the # replacing the existing connections at each occupied lot.

- WO-1118 -

CITY OF TAMPA FLORIDA
RENEWAL AND REPLACEMENT FUND
SEWER IMPROVEMENTS

TACON STREET
REHABILITATION

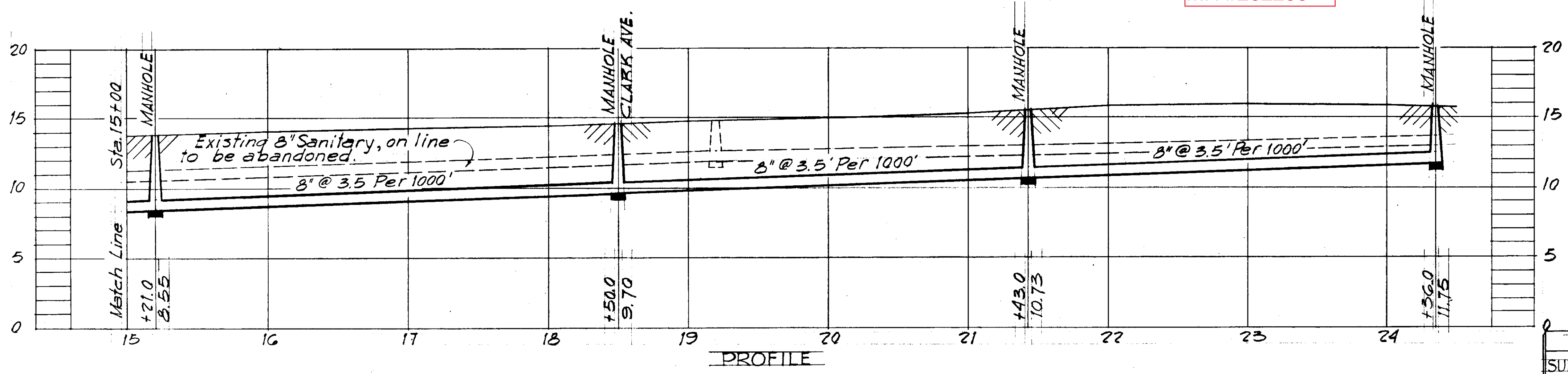
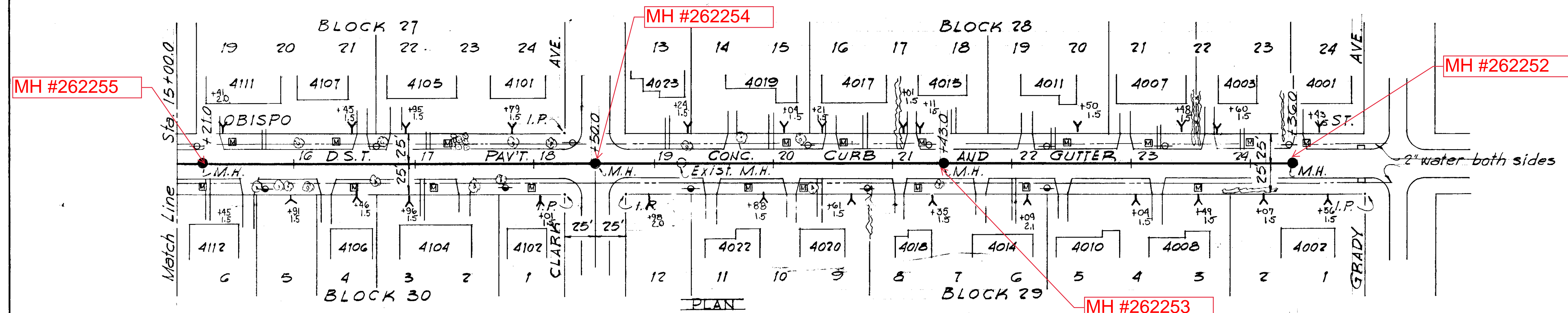
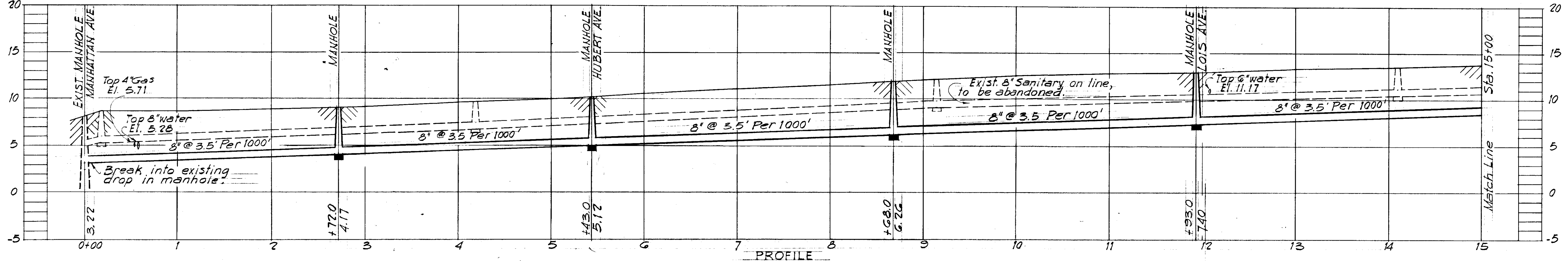
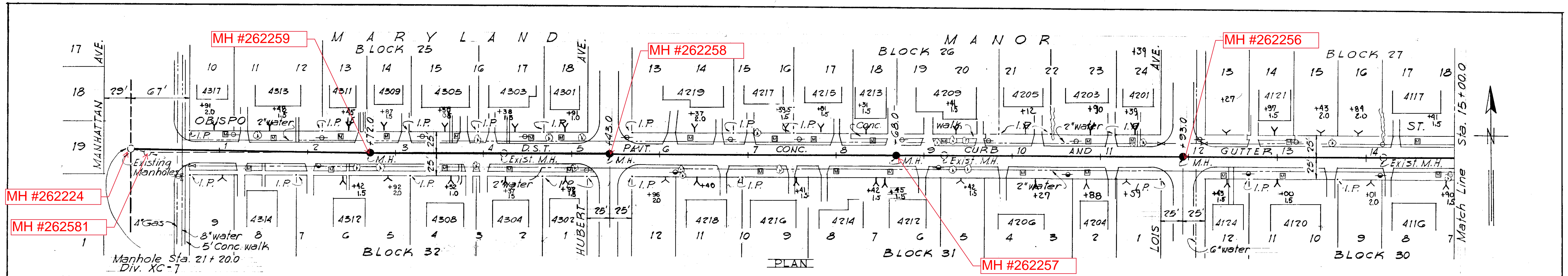
R&R FORCE ACCOUNT NO. 24
SUBMITTED: *[Signature]*
BUREAU OF SANITARY SEWERS.
APPROVED: *[Signature]*
GREELEY AND HANSEN ENGINEERS.

DES: E.C.A.
DR: E.C.A.
CKD: REF.
DATE
MAR, 1960

50 0 50 100
1" = 50'

SHEET 1 OF 4

002-033



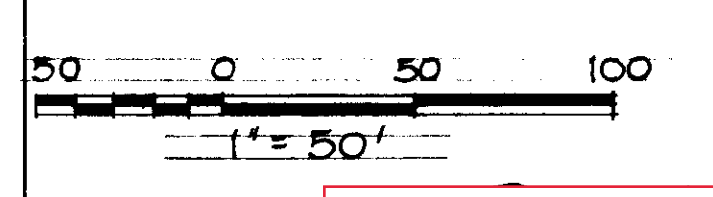
NOTE: House connections have been indicated only at vacant lots. New connections will be run to the replacing the existing connections at each occupied lot.

- WO-1118 -

CITY OF TAMPA FLORIDA
 RENEWAL AND REPLACEMENT FUND
 SEWER IMPROVEMENTS
 OBISPO STREET
 REHABILITATION

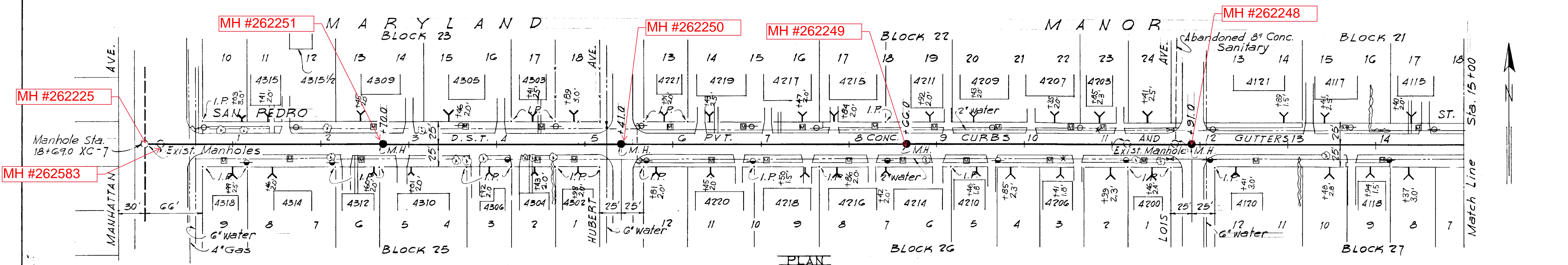
R&R FORCE ACCOUNT NO. 24
 SUBMITTED: B.M. [Signature]
 BUREAU OF SANITARY SEWERS
 APPROVED: R.E. [Signature]
 GREELEY AND HANSEN, ENGINEERS

DES: E.C.A.
 DR: E.C.A.
 CKD: REF.
 DATE:
 MAR: 1960

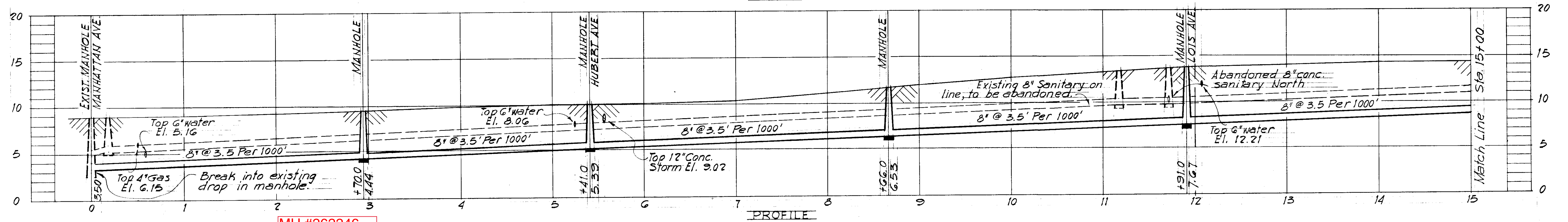


SHEET 2 OF 4

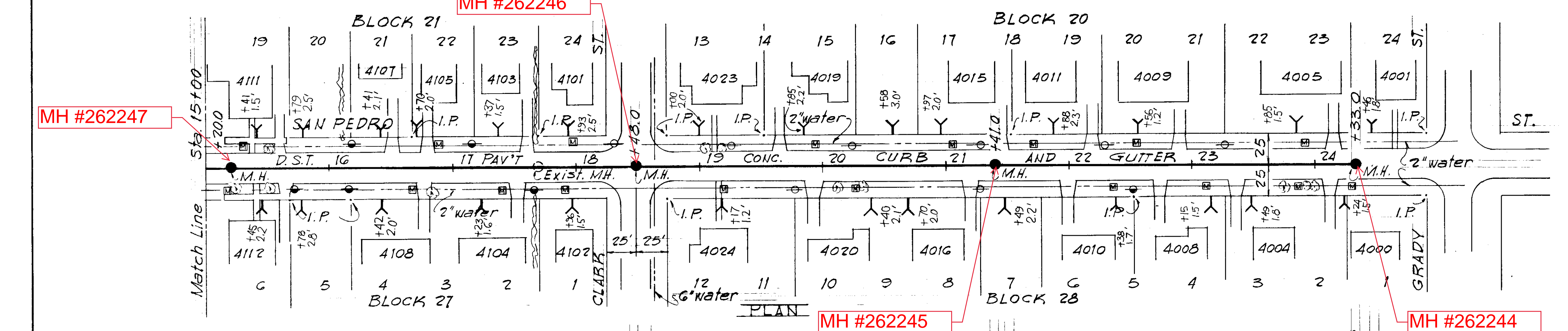
002-034



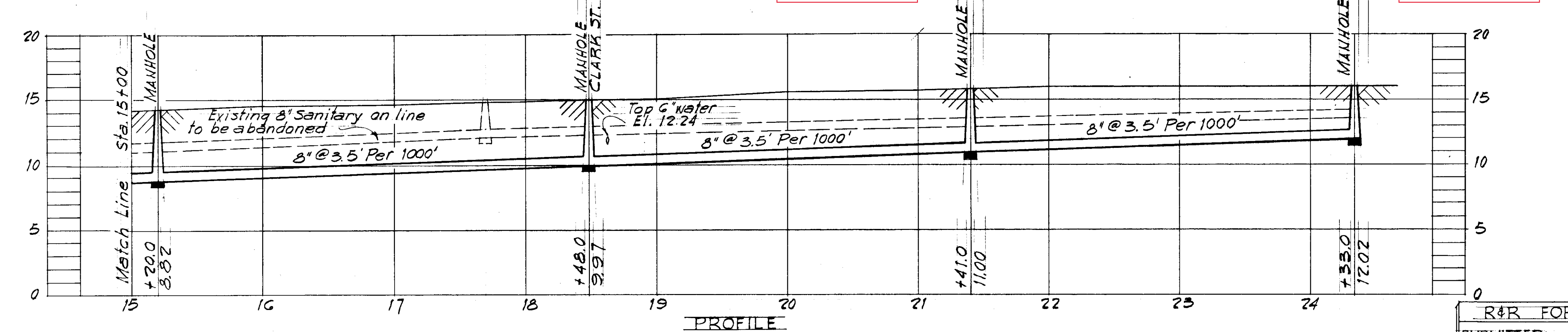
PLAN



PROFILE



PLAN

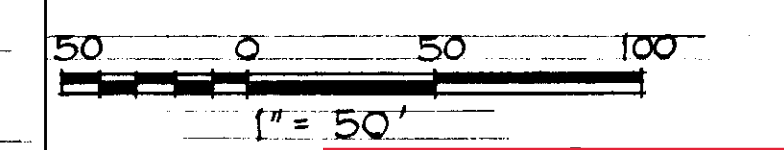


PROFILE

NOTE: House connections have been indicated only at vacant lots. New connections will be run to the # replacing the existing connections at each occupied lot.

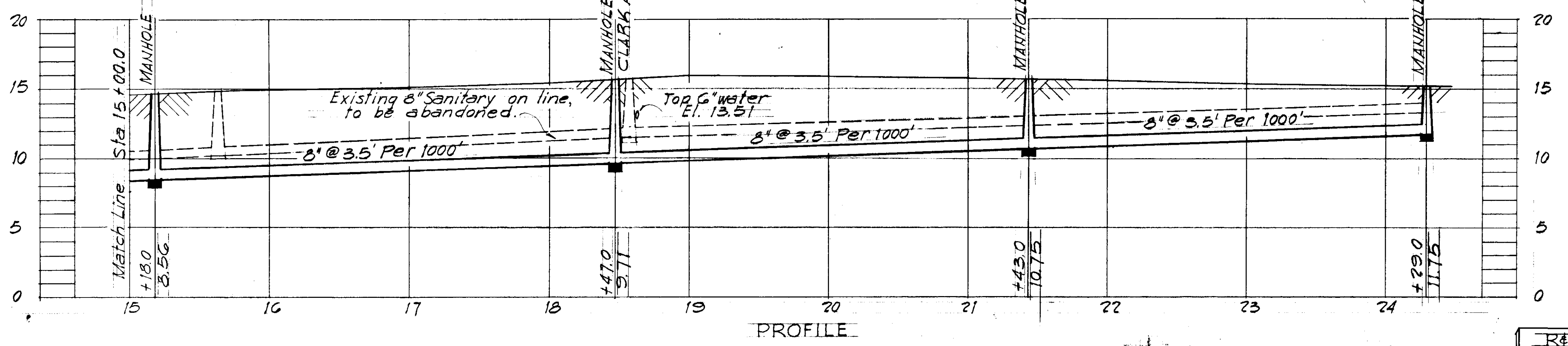
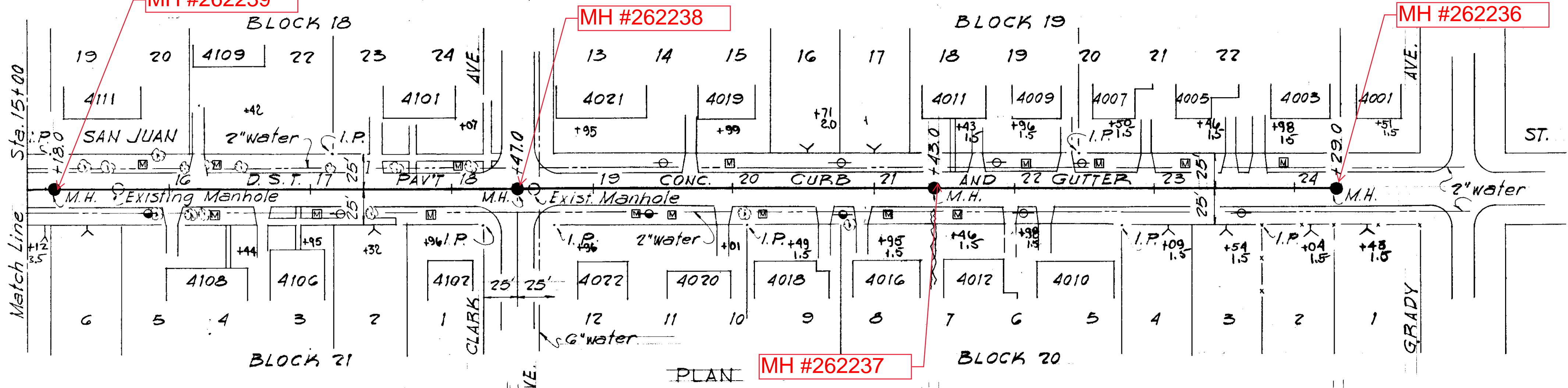
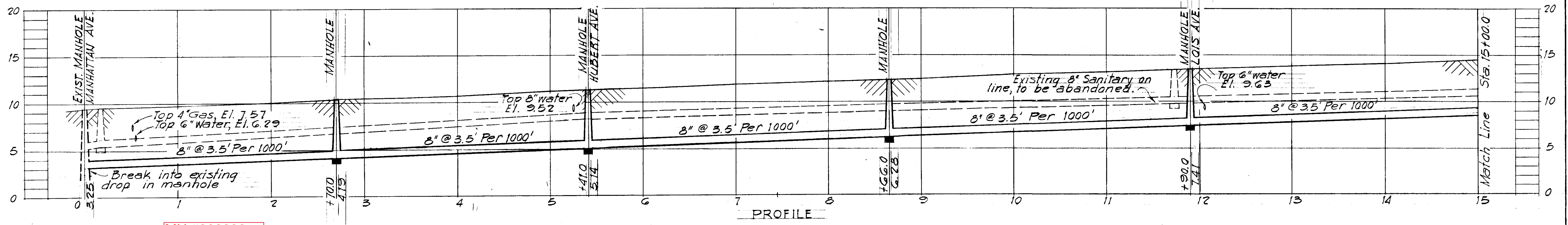
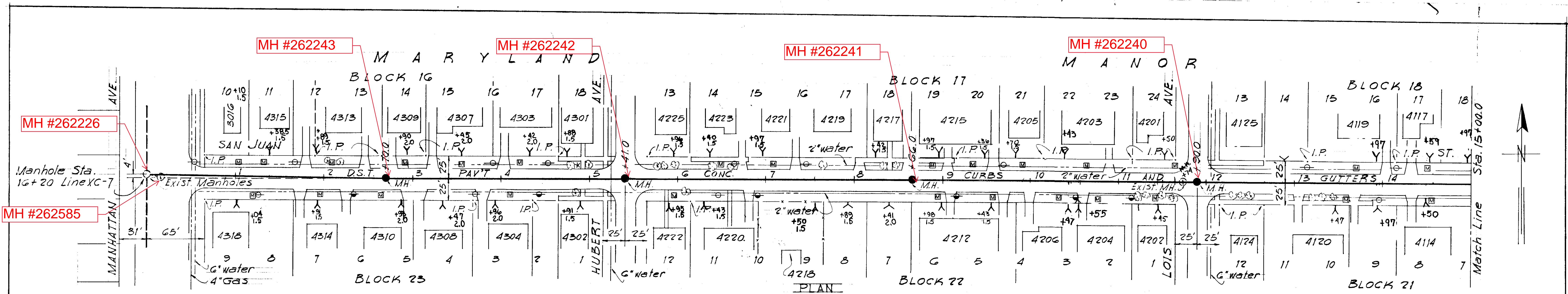
WO-1118

CITY OF TAMPA FLORIDA	
RENEWAL AND REPLACEMENT FUND	
SEWER IMPROVEMENTS	
SAN PEDRO ST.	
REHABILITATION	
R&R FORCE ACCOUNT NO. 24	DES. E.C.A.
SUBMITTED: <i>[Signature]</i>	DR. E.C.A.
BUREAU OF SANITARY SEWERS	CKD. REF.
APPROVED: <i>[Signature]</i>	DATE
GREELEY AND HANSEN ENGINEERS	APR. 1960



SHEET 3 OF 4

002-035



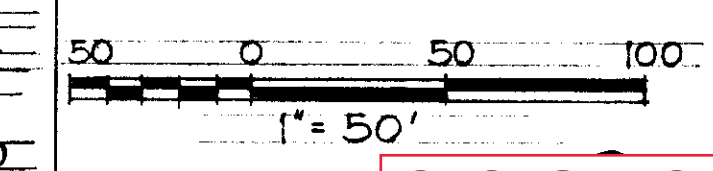
NOTE: House connections have been indicated only at vacant lots. New connections will be run to the R replacing the existing connections at each occupied lot.

WO-1118

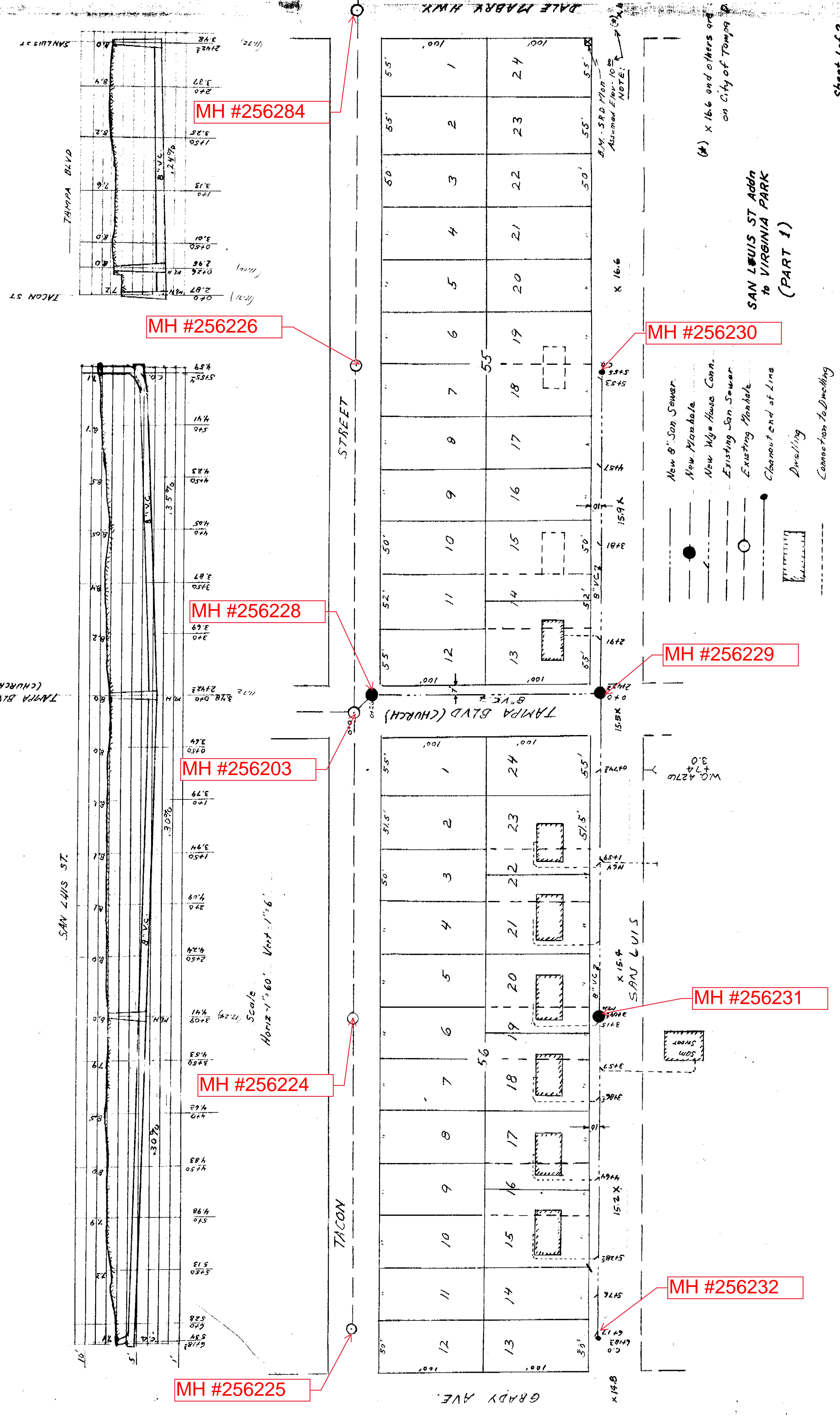
CITY OF TAMPA, FLORIDA
RENEWAL AND REPLACEMENT FUND
SEWER IMPROVEMENTS
SAN JUAN STREET
REHABILITATION

R&R FORCE ACCOUNT NO. 24
SUBMITTED: *[Signature]*
BUREAU OF SANITARY SEWERS
APPROVED: *[Signature]*
GREELEY AND HANSEN ENGINEERS

DES. E.C.A.
DR. E.C.A.
CKD. REF.
DATE
APR. 1960
SHEET 4 OF 4

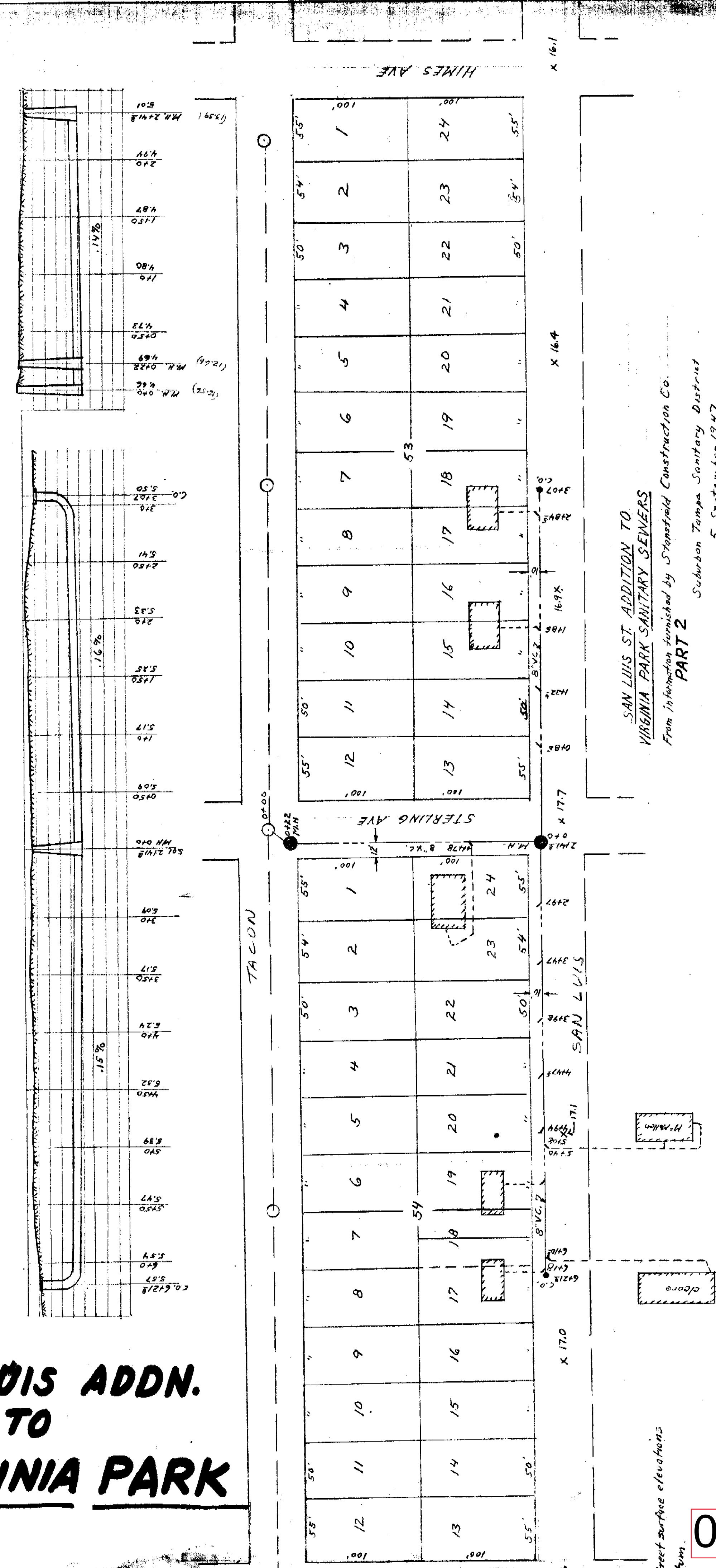


002-036



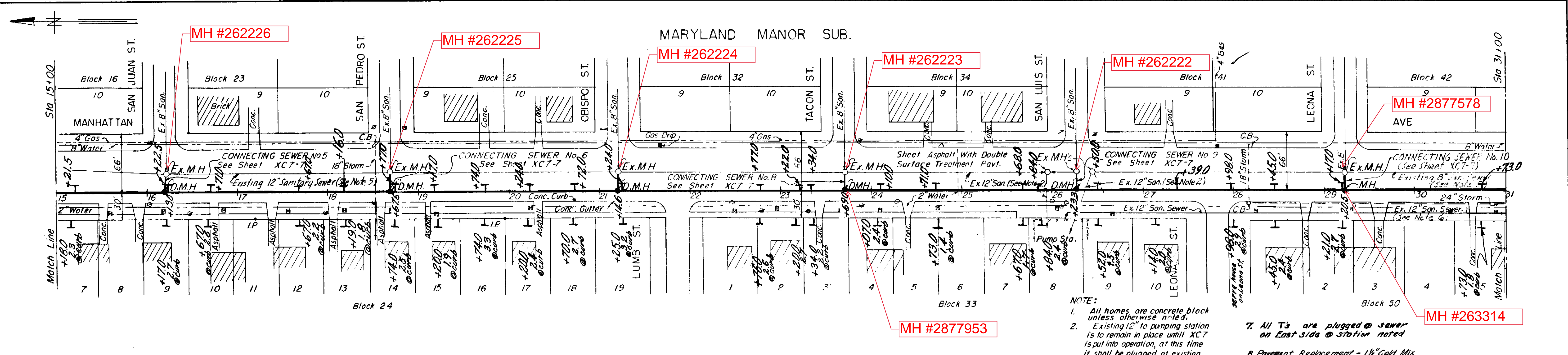
Sheet 1 of 2

SAN LUIS ADDN. TO VIRGINIA PARK



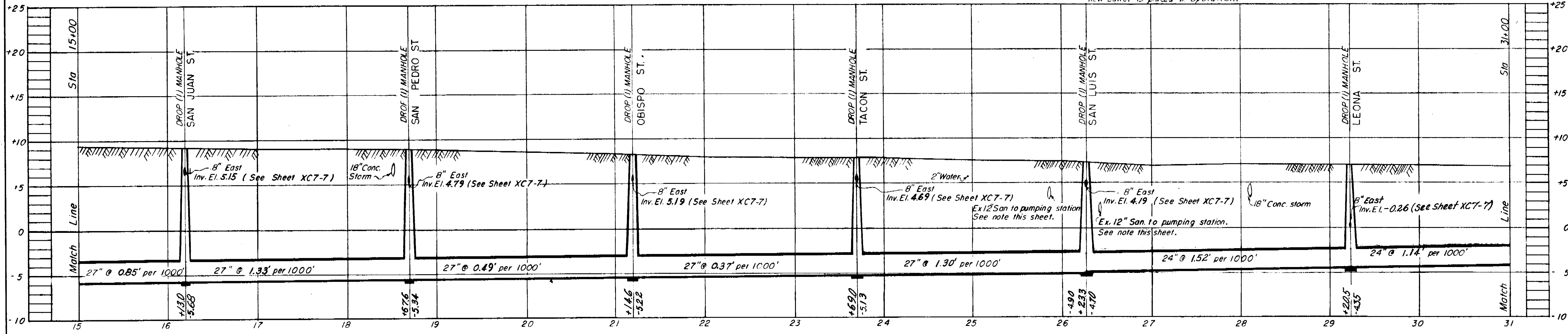
Sheet 2 of 2

018-022



PLAN

- NOTE:
- All homes are concrete block unless otherwise noted.
 - Existing 12" to pumping station is to remain in place until XC7 is put into operation, at this time it shall be plugged at existing manhole.
 - All pavement replacement shall be asphaltic cold mix.
 - 27" Sewer Pipe from Sta 26+26.5 shall be Reinforced Concrete Culvert Pipe - ASTM des C 76 Table 1.
 - Existing 8", 10" & 12" Sanitary Sewer to be abandoned after construction of Connecting Sewers.
 - Existing 12" Sanitary Sewer to be abandoned and existing house connections to be reconnected to new sewer after new sewer is placed in operation.
7. All T's are plugged @ sewer on East side @ Station noted
8. Pavement Replacement - 1 1/2" Cold Mix



PROFILE

SEWER LINE LOCATION
 SEC. MAP NO. LINE NO.
K-9-16

CITY OF TAMPA, FLORIDA
 SEWAGE DISPOSAL SYSTEM
 DIVISION XC 7
 SOUTH MANHATTAN TRUNK SEWER
 STA. 15+00 TO STA. 31+00

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

AS-BUILT PLAN
 Revised to show actual conditions according to construction record as of G.M.D. (5-28-56)

DES. E.E.S.
 DR. R.W.M.
 CKD. R.E.F.
 DATE:
 SEPT. 1954

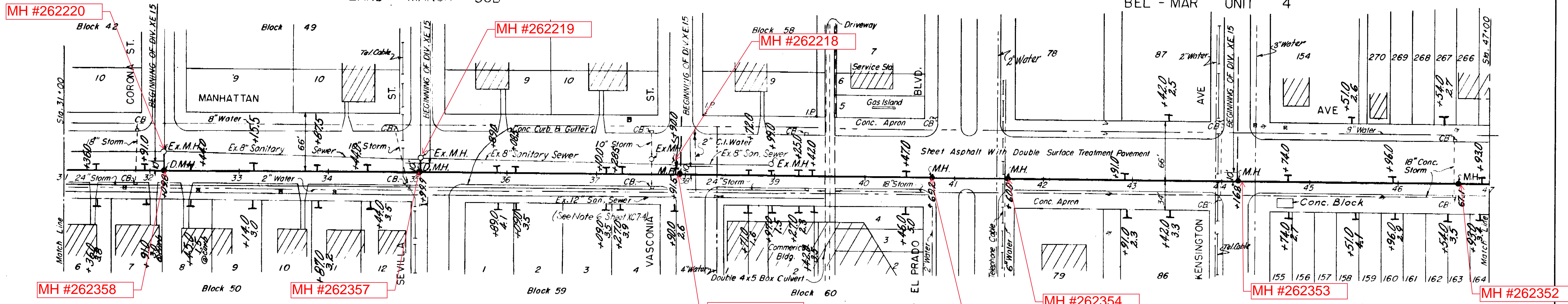
SCALE
 50 0 50 100
 1"=50'

SHEET
XC7-4

054-016

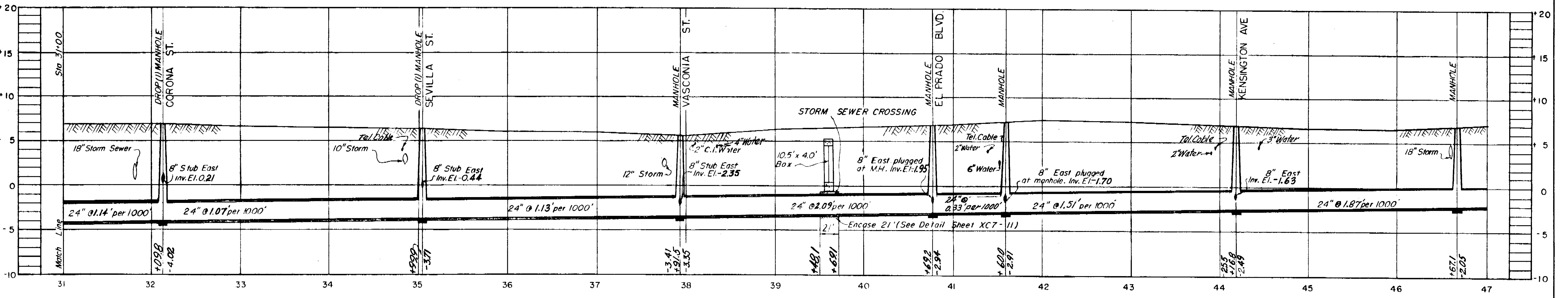
MARYLAND MANOR SUB

BEL - MAR UNIT 4



PLAN

- NOTE:
1. All houses are concrete block construction.
 2. All pavement replacement shall be Asphaltic Cold Mix.
 3. All T's are plugged @ sewer on East side @ storm/s as indicated except as noted.
 4. Pavement Replacement - 1 1/2" Cold Mix



PROFILE

SEWER LINE LOCATION
 SEC. MAP No. | LINE No.
K-9-17

CITY OF TAMPA, FLORIDA
 SEWAGE DISPOSAL SYSTEM
 DIVISION XC 7

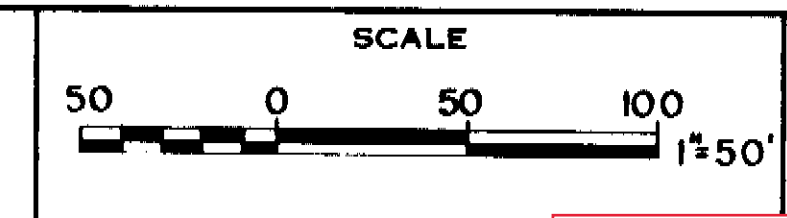
SOUTH MANHATTAN TRUNK SEWER
 STA. 31+00 TO STA. 47+00

AS-BUILT PLAN

Revised to show actual conditions according to construction record as of G.M.D. (5-28-56)

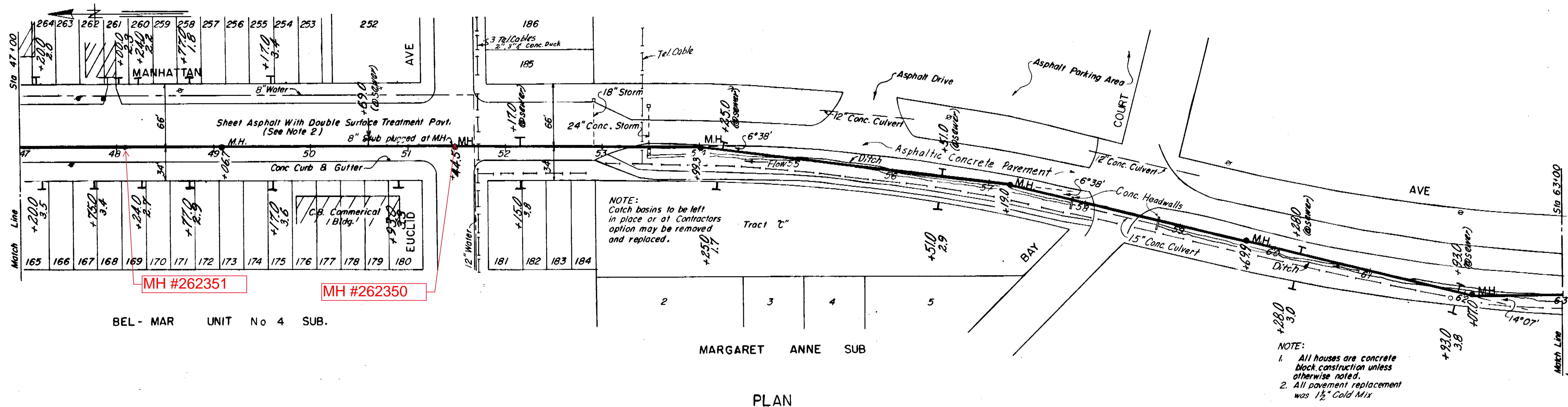
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

DES. E.E.S.
 DR. R.W.M.
 CKD. R.E.F.
 DATE:
 SEPT. 1954



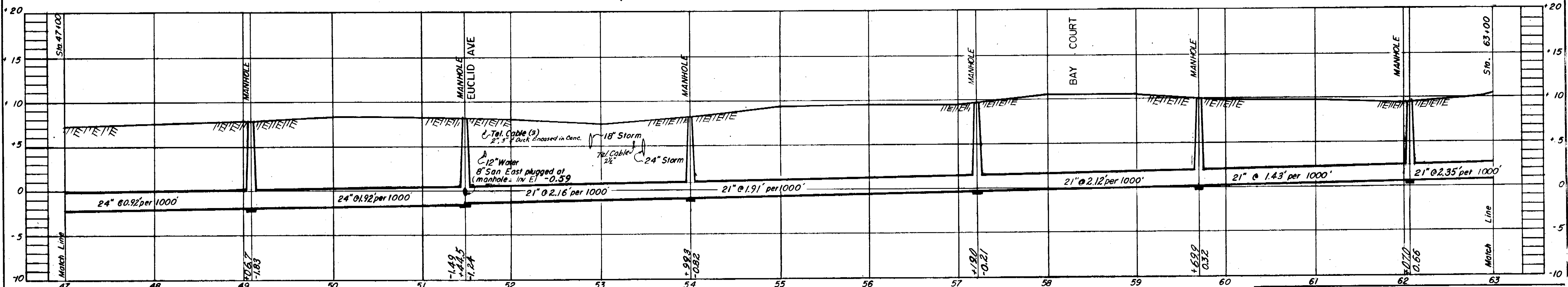
SHEET
XC7-5
 OF 12

054-017



BEL - MAR UNIT No 4 SUB.

PLAN



PROFILE

SEWER LINE LOCATION
SEC. MAP No. LINE No.
L-9-19

CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
DIVISION XC 7

SOUTH MANHATTAN TRUNK SEWER
STA. 47+00 TO STA. 63+00

AS-BUILT PLAN

Revised to show actual conditions according to construction record as of G.M.D. (5-29-56)

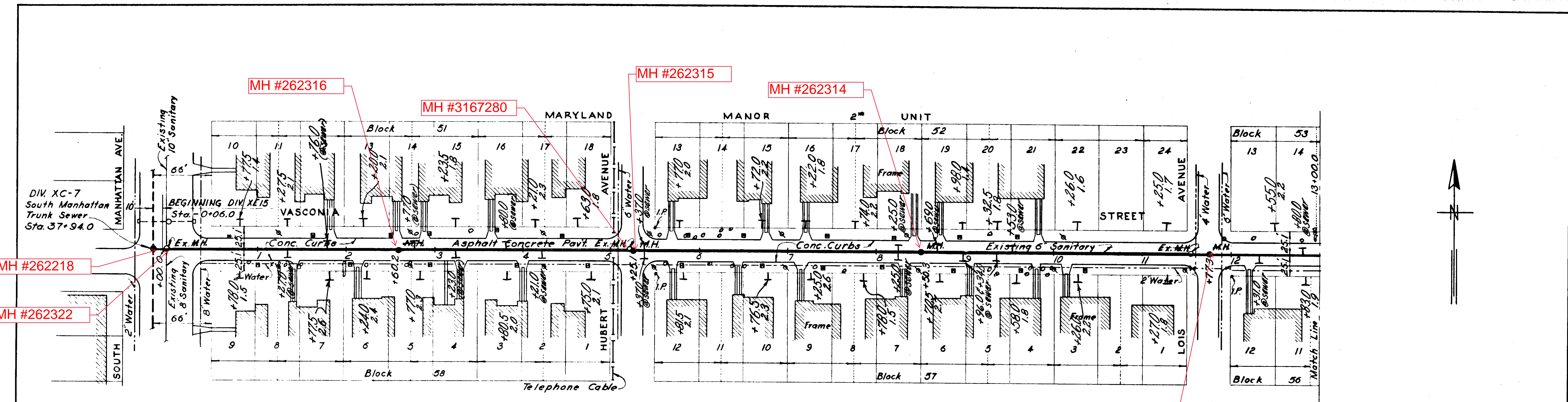
GREELEY AND HANSEN ENGINEERS CHICAGO, ILL.

DES. E.E.S. DR. R.W.M. CKD. R.E.F. DATE: SEPT. 1954

SCALE
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1"=50'

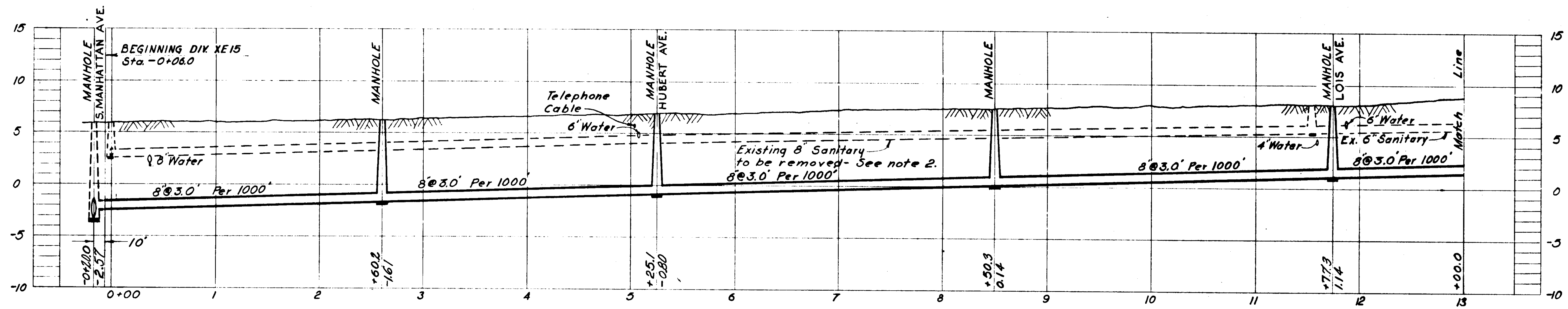
SHEET
XC7-6
OF 12

054-018



PLAN

NOTE:
 Vasconia St.-Manhattan Ave. to Lois Ave.
 replaced with Single Surface Treatment Pav't.



PROFILE
 SM-1

LEGEND PROPERTY LINES
 - - - - - Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat.

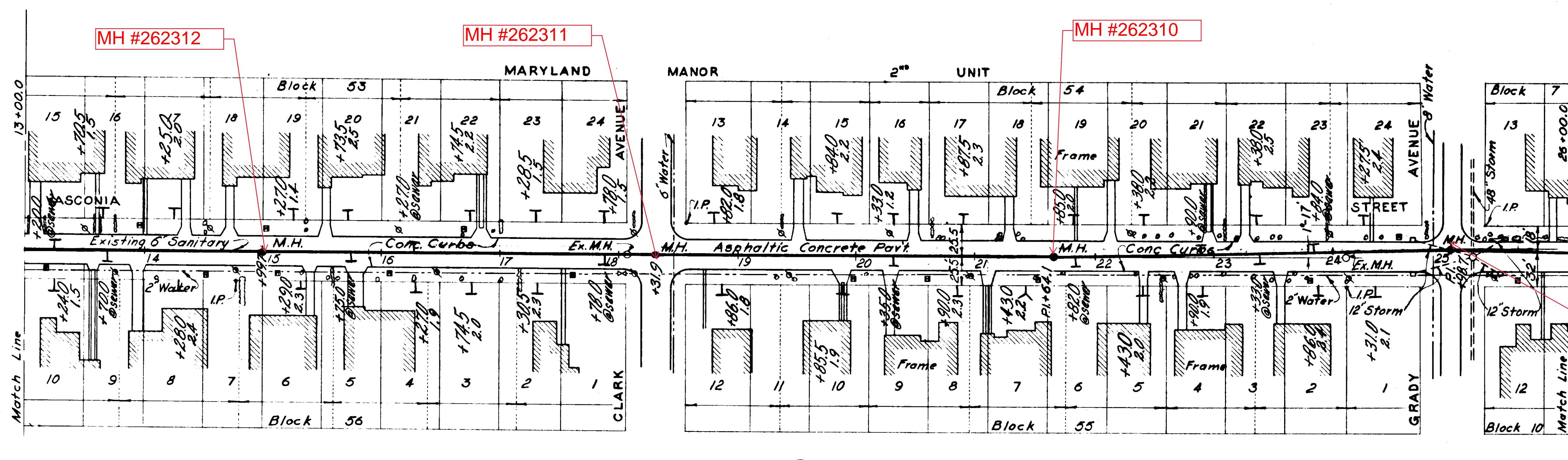
- NOTES:
1. Construction of line SM-1 from sta -0+06 to sta 24+10 to be deferred until the South Manhattan trunk sewer is placed in operation.
 2. Existing sanitary sewer to be removed and existing house connections to be reconnected to new sewer. Sewage from existing house connections to be removed by the contractor, by method approved by the engineer, until the new sewer is placed in operation.
 3. All houses shown on this sheet are of concrete block construction except as noted.

AS-BUILT PLAN
 Revised to show actual conditions according to construction record as of G.M.D. (6-8-56)

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE15		
SM-1		
STA. 0+100 TO STA. 13+00		
DES. W. M. DR. W. M. CKD. E. E. F.	SCALE 0 50 100 1" = 50'	SHEET XE15-8 OF 30
DATE: NOV. 1934		

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

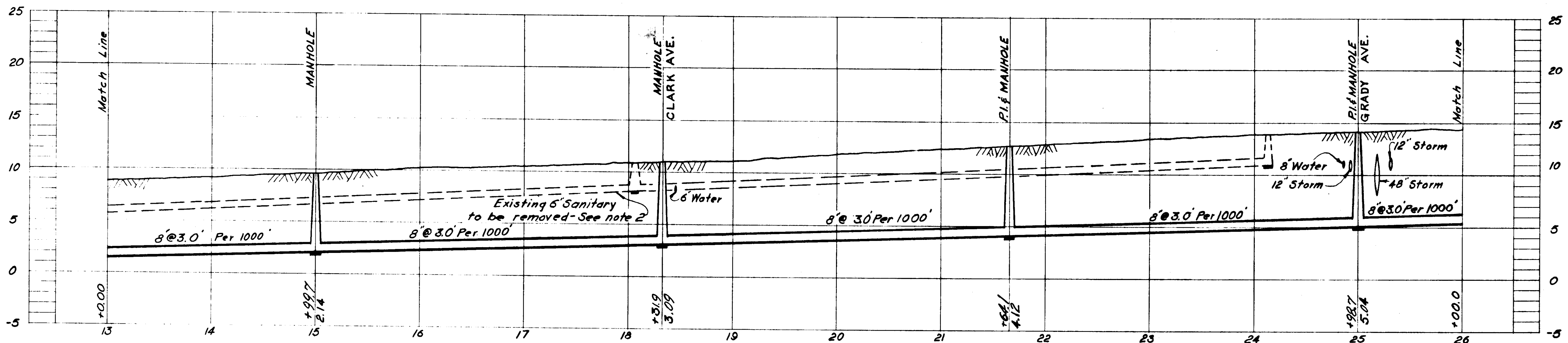
064-008



PLAN

NOTE:

Vasconia St. - Sta. 13+00 to Grady Ave. replaced with Single Surface Treatment Pavement.



PROFILE SM-1

LEGEND-PROPERTY LINES

- Property lines as indicated by Hillsborough County Tax Records.
- Property lines as indicated by Subdivision Plat.

NOTES:

1. Construction of line SM-1 from sta. 0+06 to sta. 24+10 to be deferred until the South Manhattan trunk sewer is placed in operation.
2. Existing sanitary sewer to be removed and existing house connections to be reconnected to new sewer. Sewage from existing house connections to be removed by the contractor, by method approved by the engineer, until the new sewer is placed in operation.
3. All houses shown on this sheet are of concrete block construction except as noted.

AS-BUILT PLAN

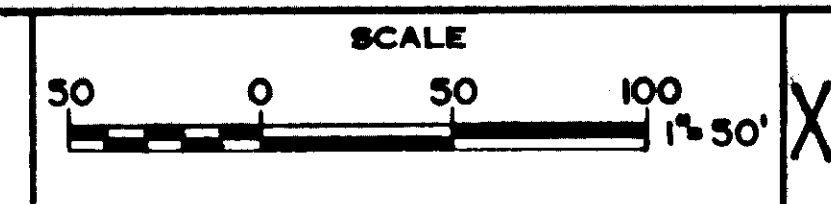
Revised to show actual conditions according to construction record as of G.M.D. (6-8-56)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE15

SM-1
STA. 13+00 TO STA. 26+00

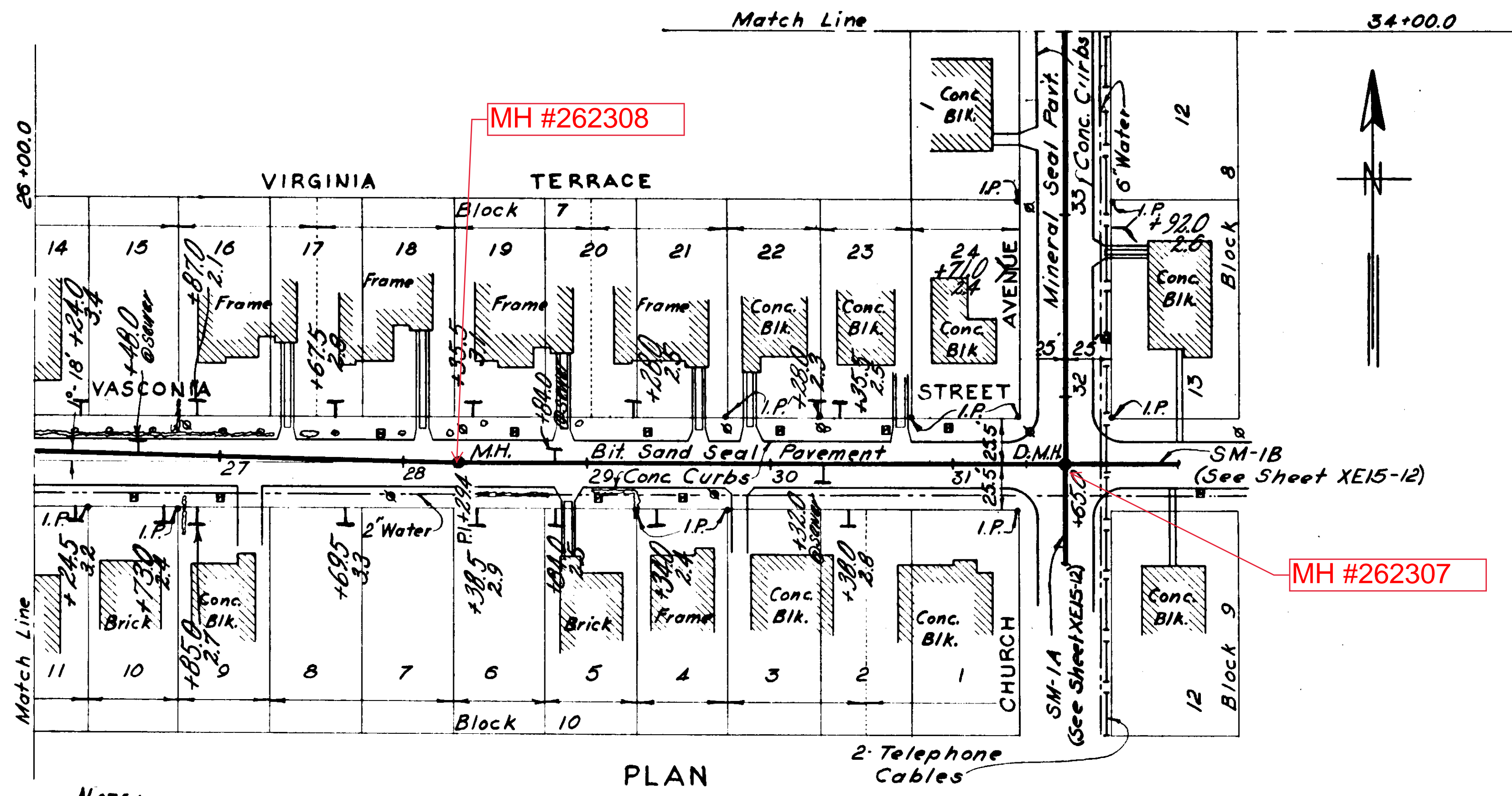
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

DES. W.M.
DR. W.M.
CKD. R.E.
DATE:
NOV. 1954

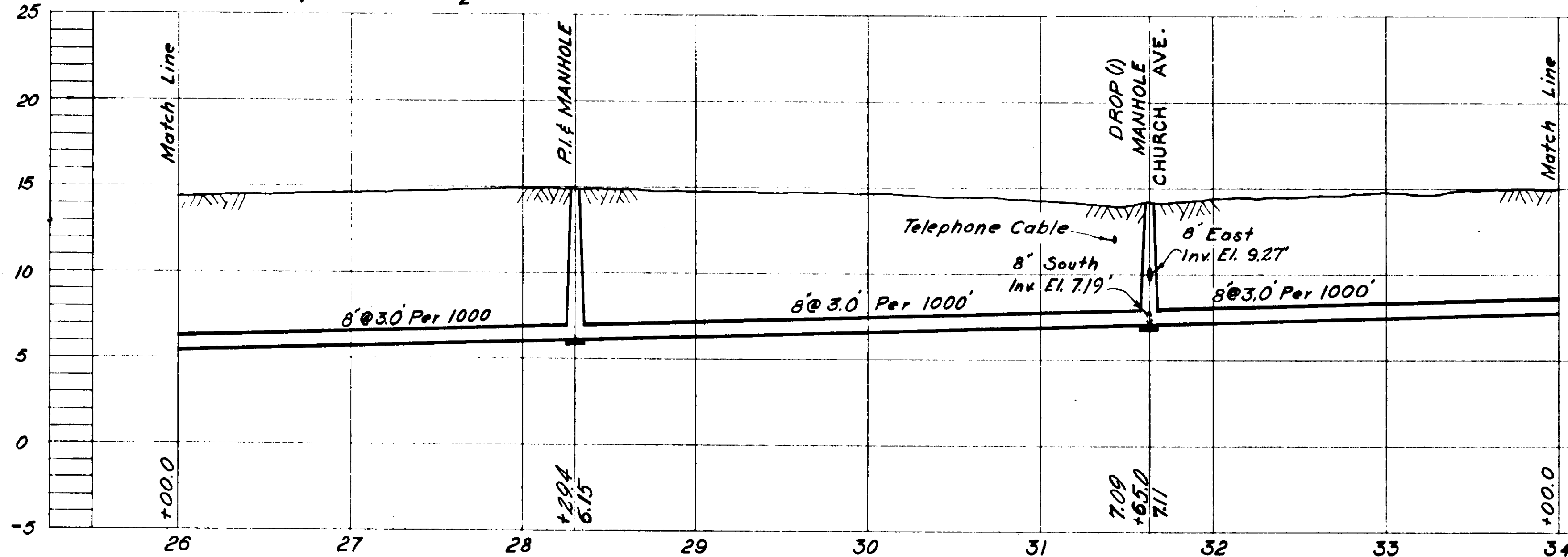


SHEET
XE15-9
OF 30

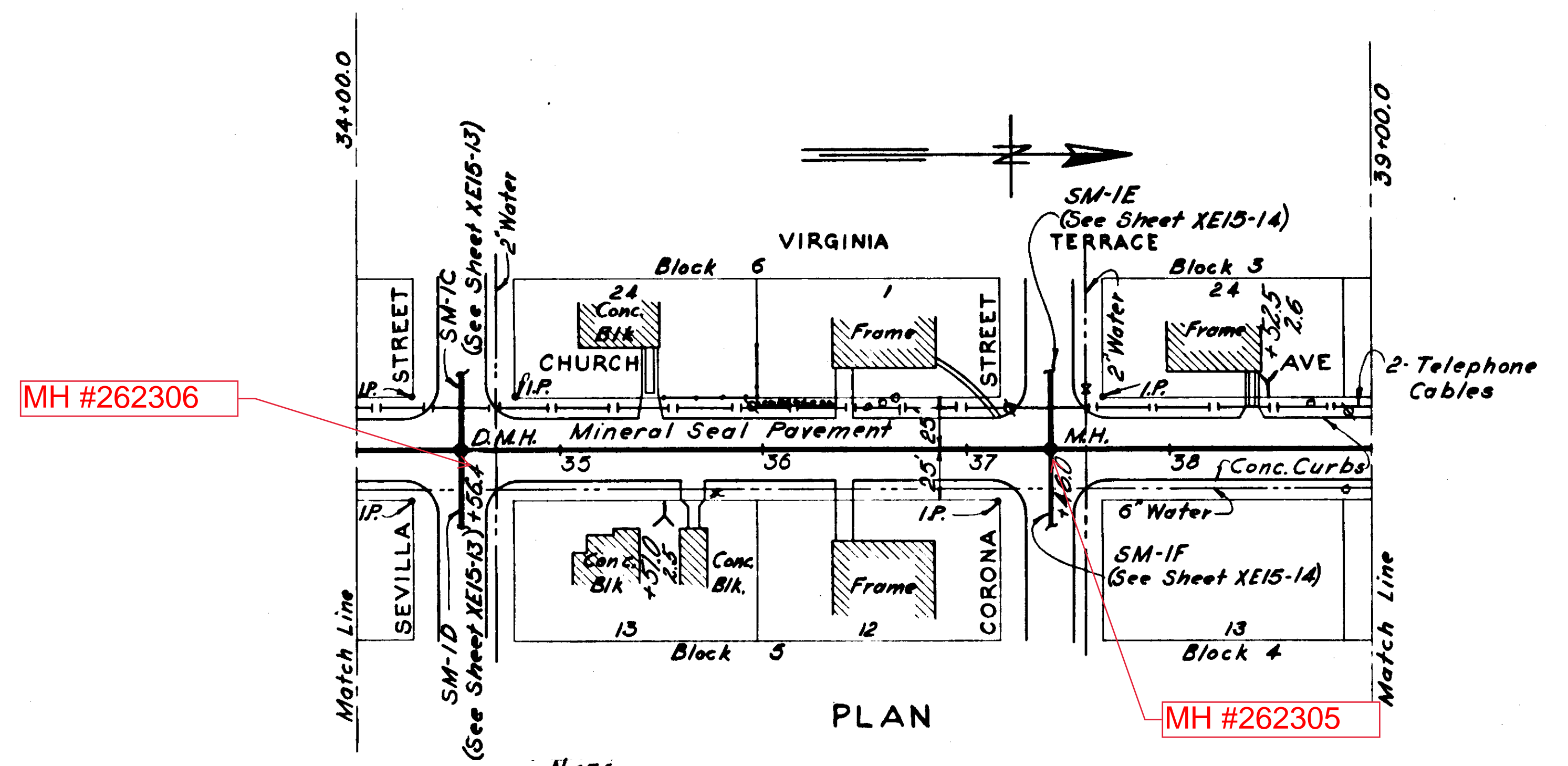
064-009



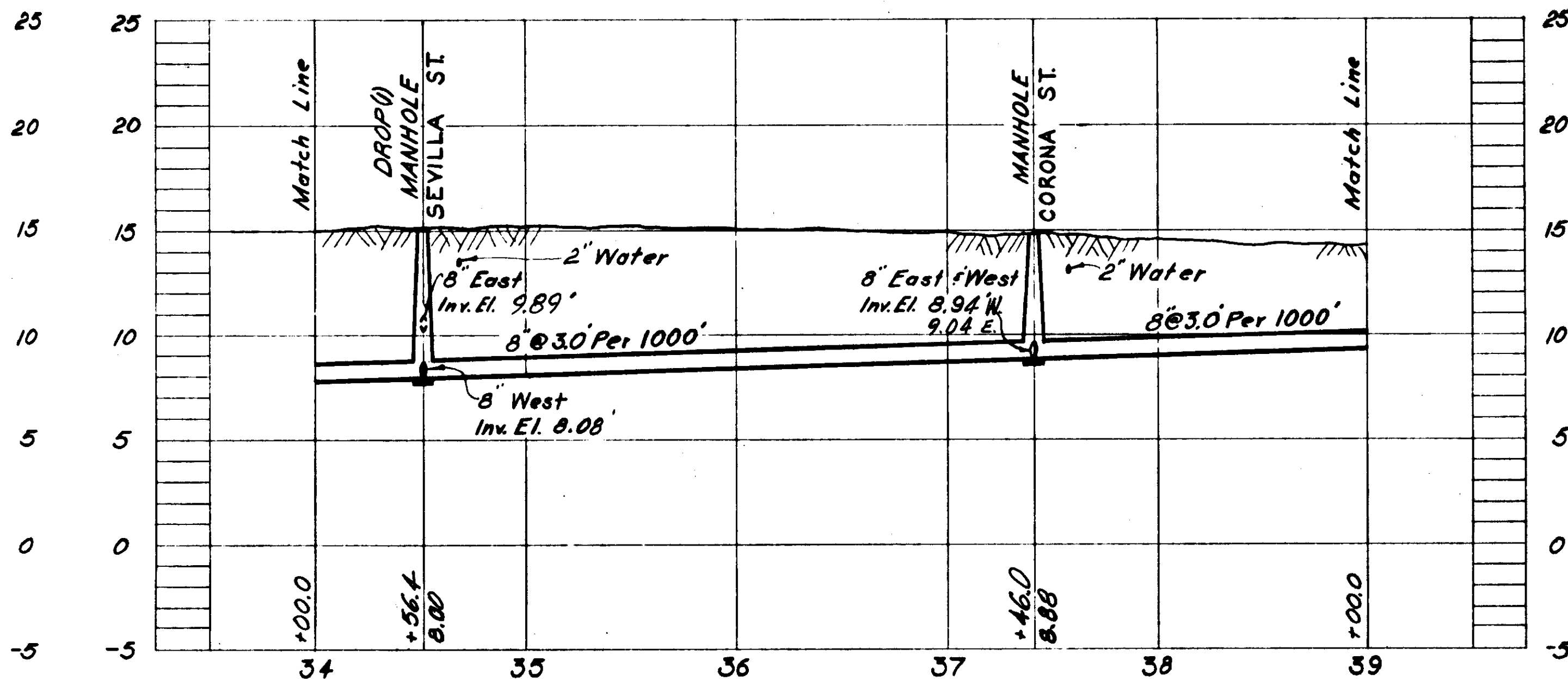
NOTE:
 Vasconia St. - Sta. 26+00 to Sta. 31+49
 replaced with Single Surface Treatment Pavement.
 Church Ave. - Sta. 31+49 to Sta. 34+00
 replaced with 1 1/2" Cold Mix Pavement.



PROFILE SM-I



NOTE:
 Church Ave. - Sta. 34+00 to sta. 39+00
 replaced with 1 1/2" Cold Mix Pavement.



PROFILE SM-I

AS-BUILT PLAN
 Revised to show actual conditions according to construction record as of G.M.D. (6-11-56)

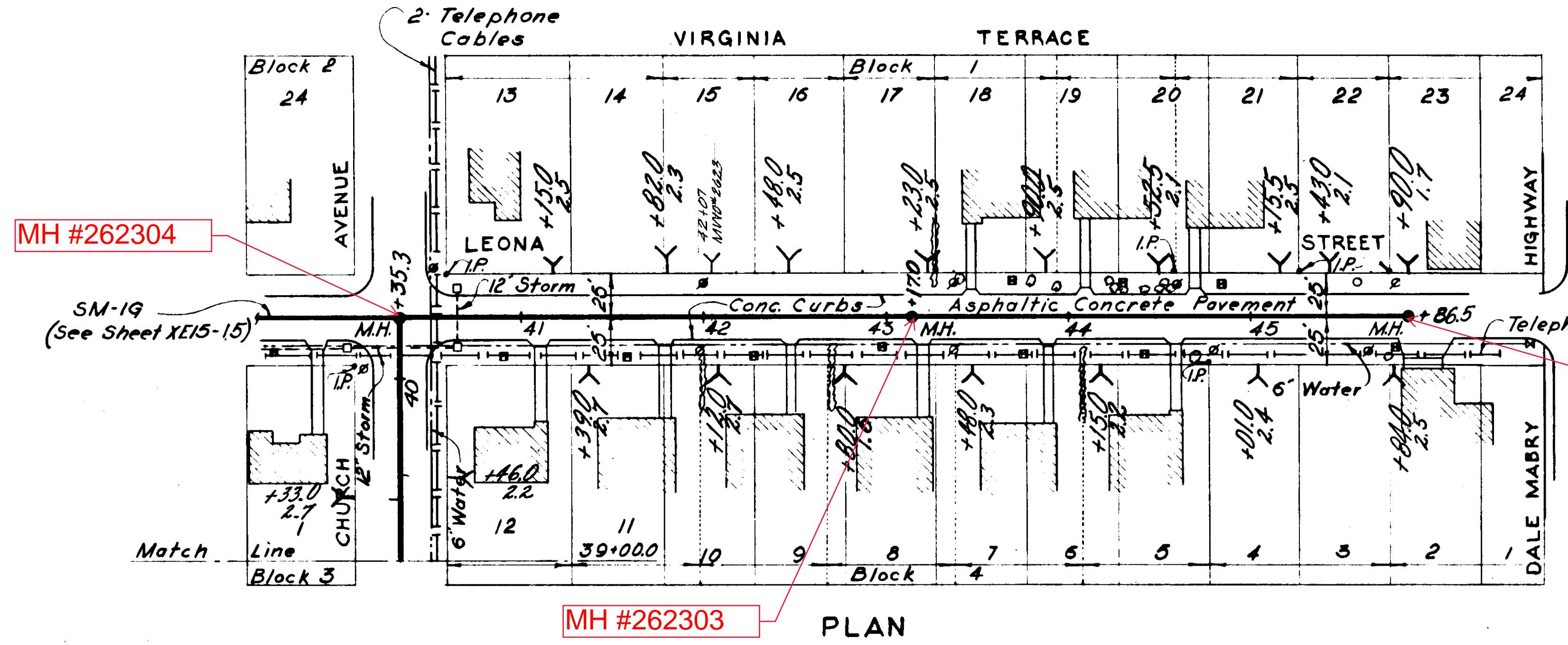
CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE15		
SM-I STA. 26+00 TO STA. 39+00		
DES. W.M. DR. W.M. CKD. E.E.F. DATE: NOV. 1954	SCALE 0 50 100 1" = 50'	SHEET XE15-10 OF 30

LEGEND PROPERTY LINES
 - - - - - Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat.

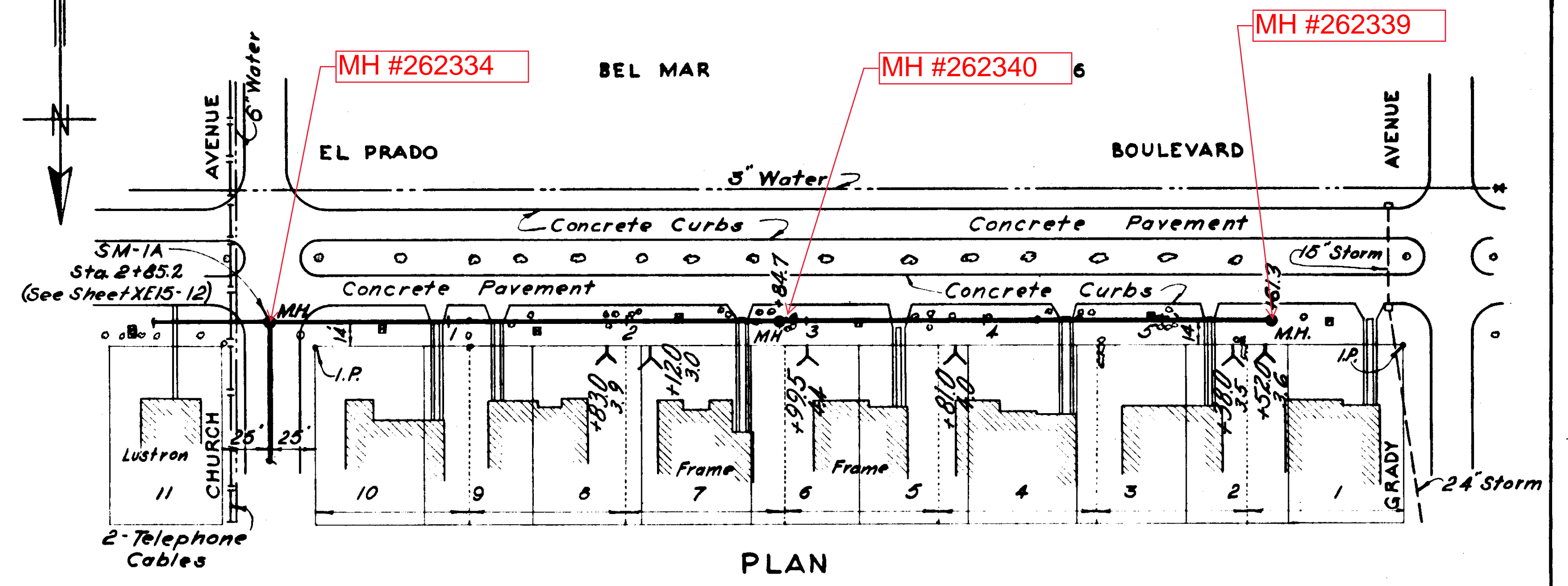
NOTES:
 1. All houses shown on this sheet are of concrete block construction except as noted.

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

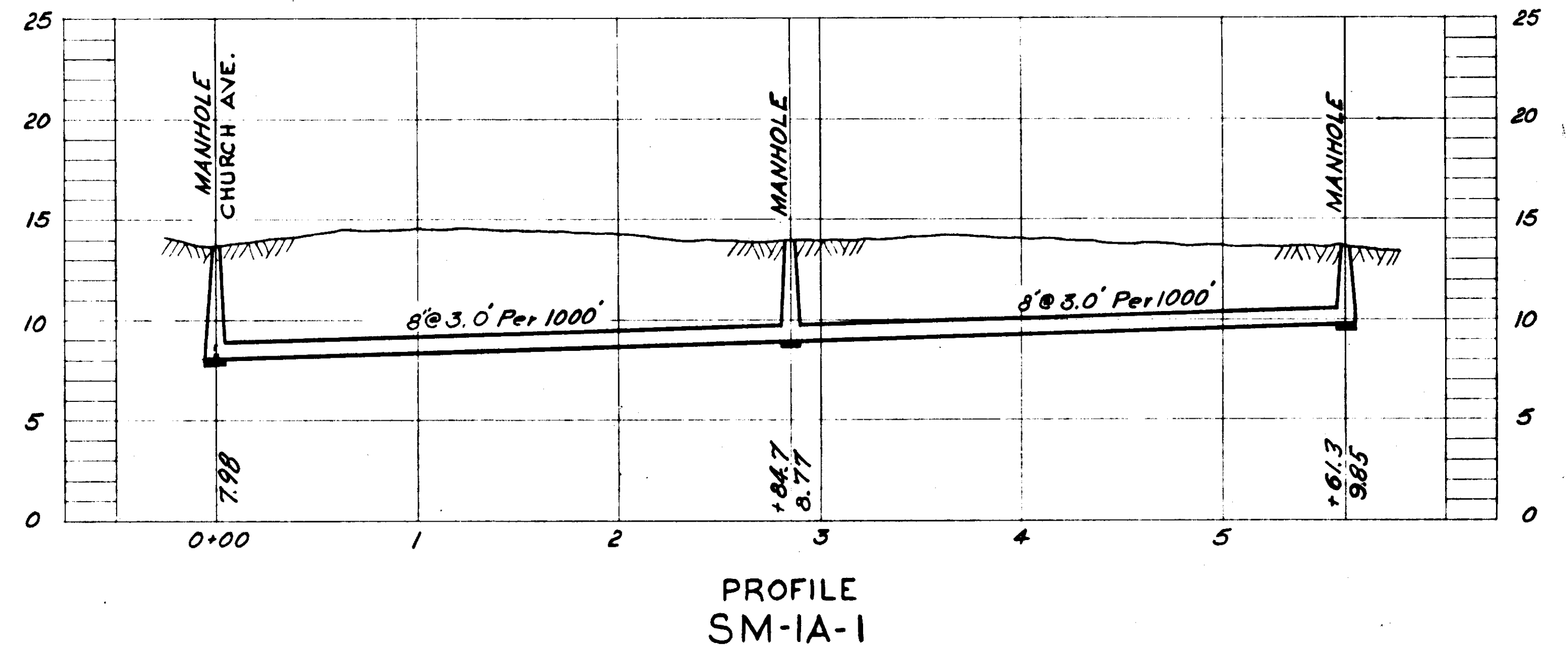
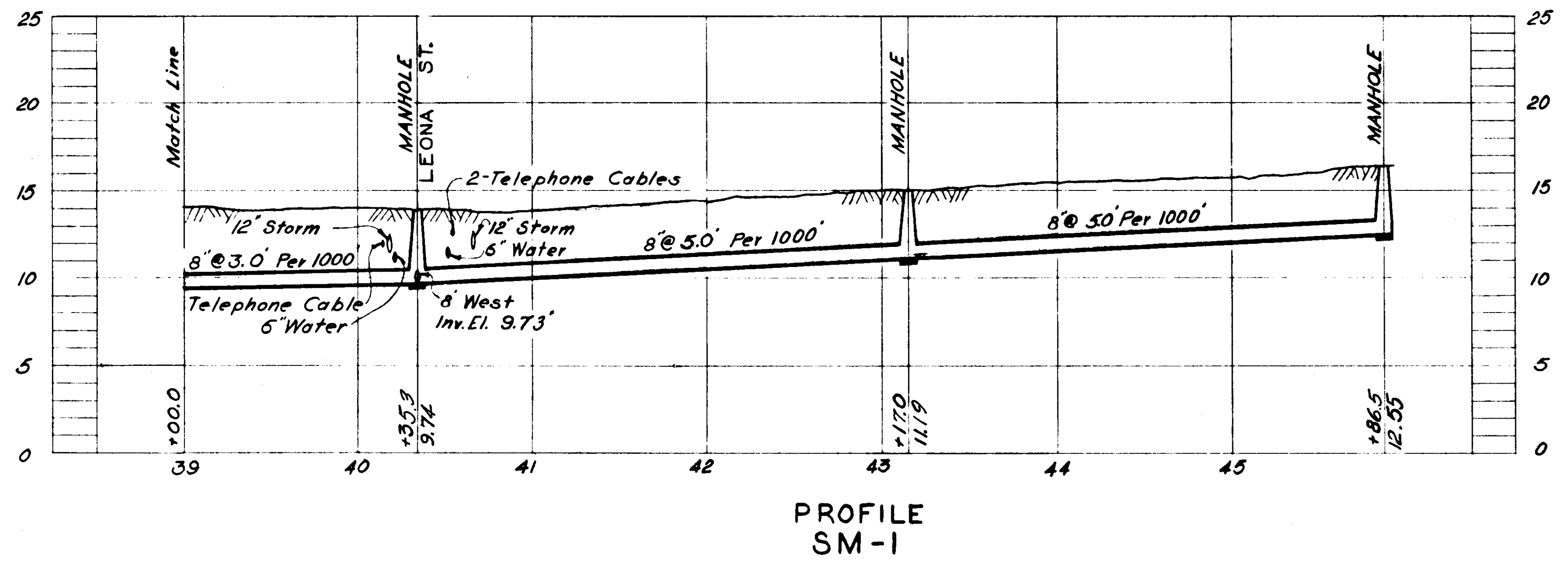
064-010



Note:
Leona St. - Church Ave. to Dale Mabry Highway
replaced with Single Surface Treatment Pavt.



NOTE:
Church Ave. - El Prado Blvd. (Sta. 0+00
to Sta. 0+15+) replaced with 1 1/2 Cold Mix Pavt.



LEGEND - PROPERTY LINES
 - - - - - Property lines taken from Hillsborough County Tax Records.
 ——— Property lines taken from Subdivision Plat.

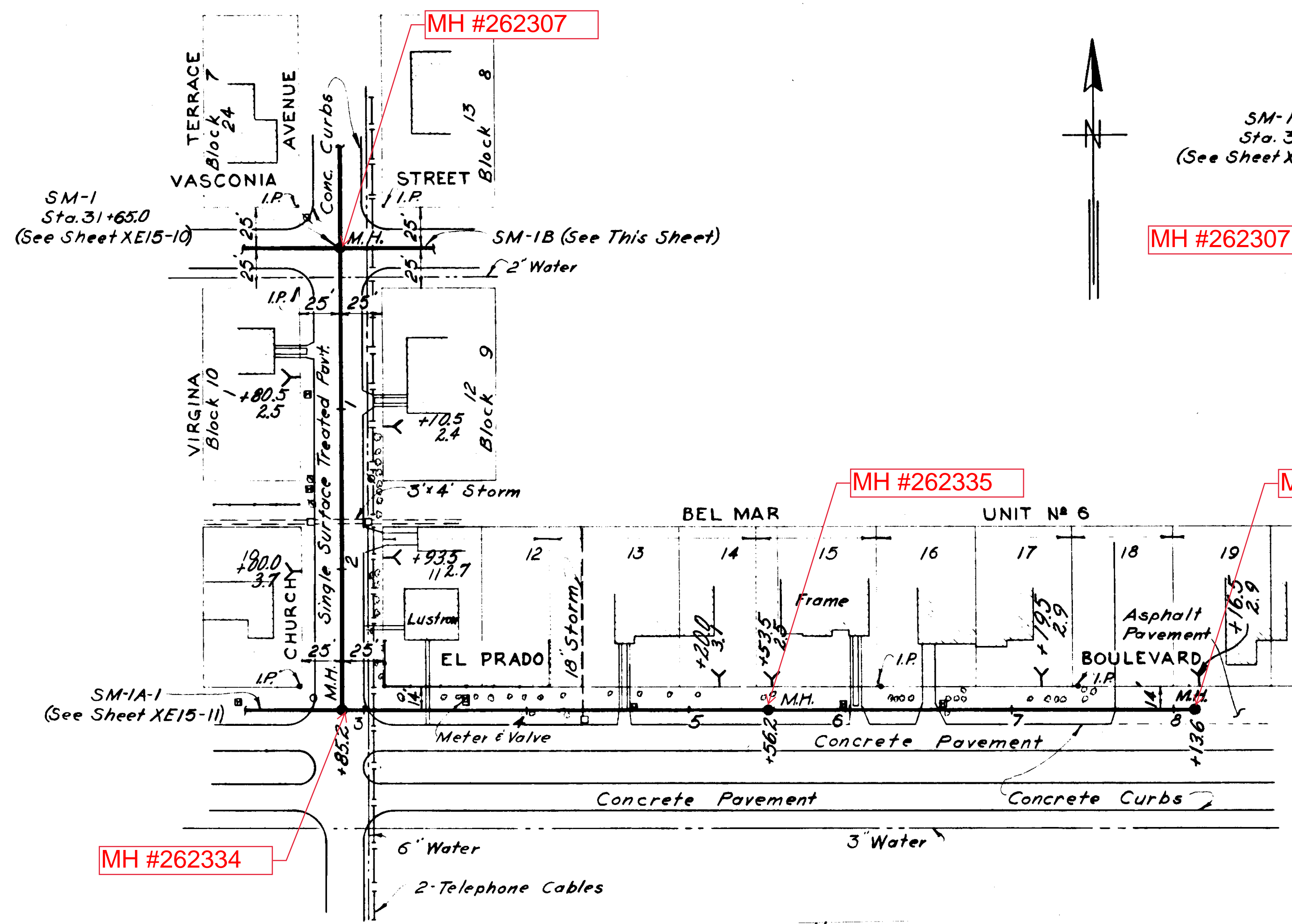
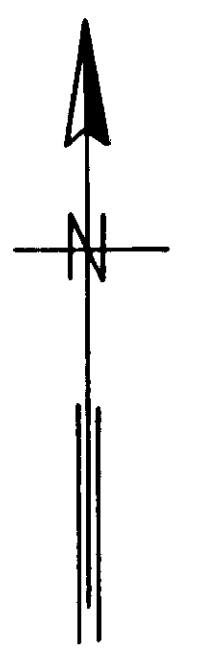
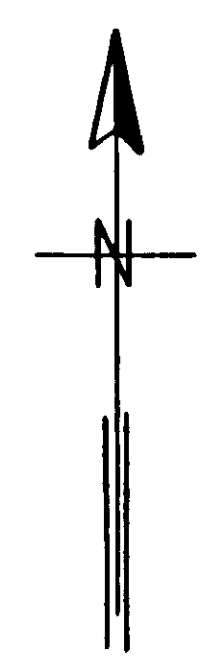
NOTES:
 1. All houses shown on this sheet are of concrete block construction except as shown.

AS-BUILT PLAN
 Revised to show actual conditions according to construction record as of G.M.D. (6-11-56)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE15		
SM-I STA. 39+00 TO STA. 45+86.5 & SM-IA-1		
DES. W.M.M. DR. W.M.M. CKD. ZEF DATE: NOV. 1954	SCALE 50 0 50 100 1" = 50'	SHEET XE15-11 OF 30

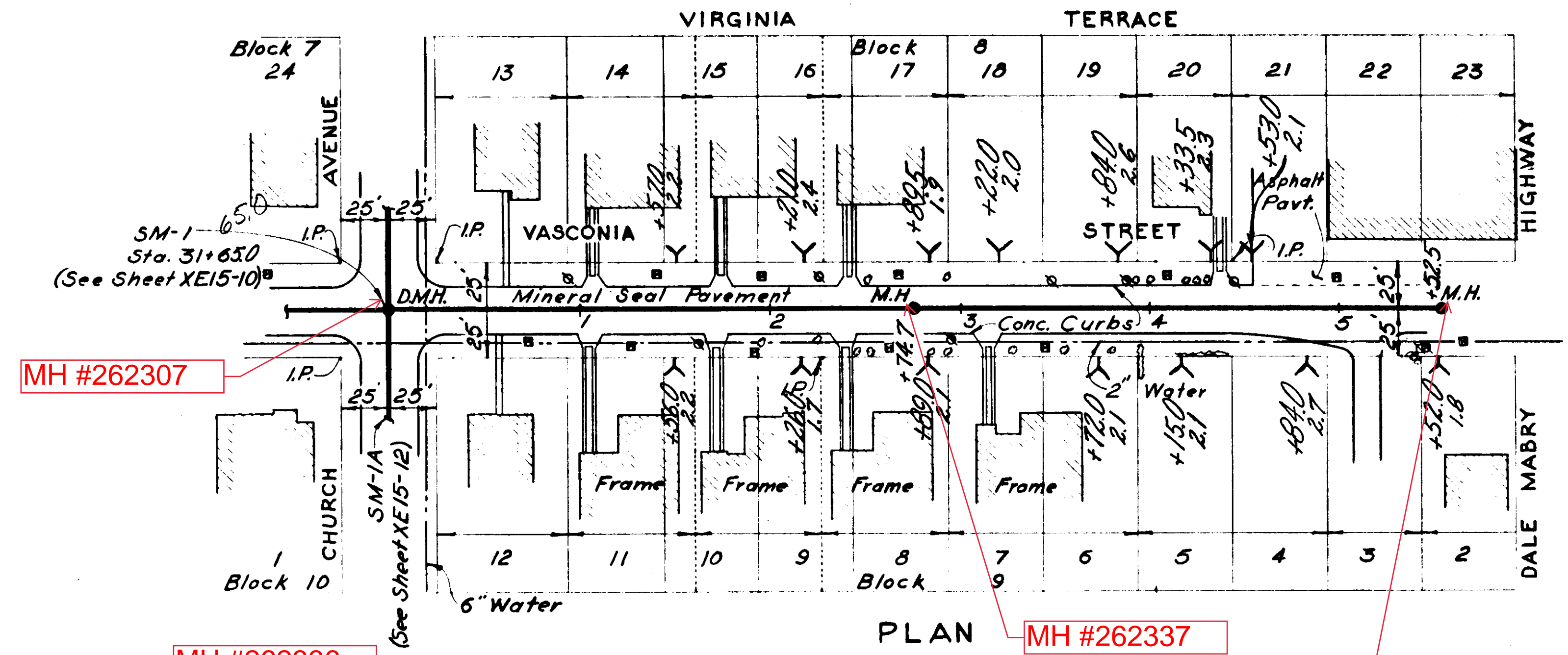
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

064-011

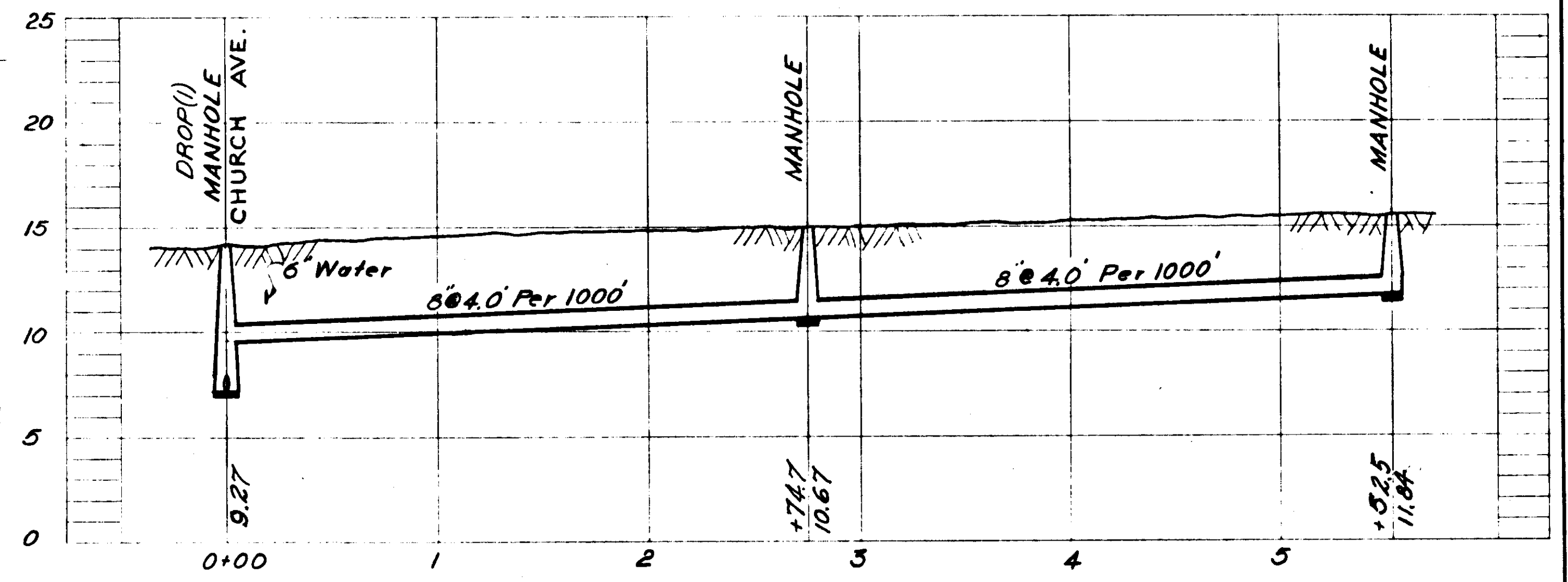


PLAN

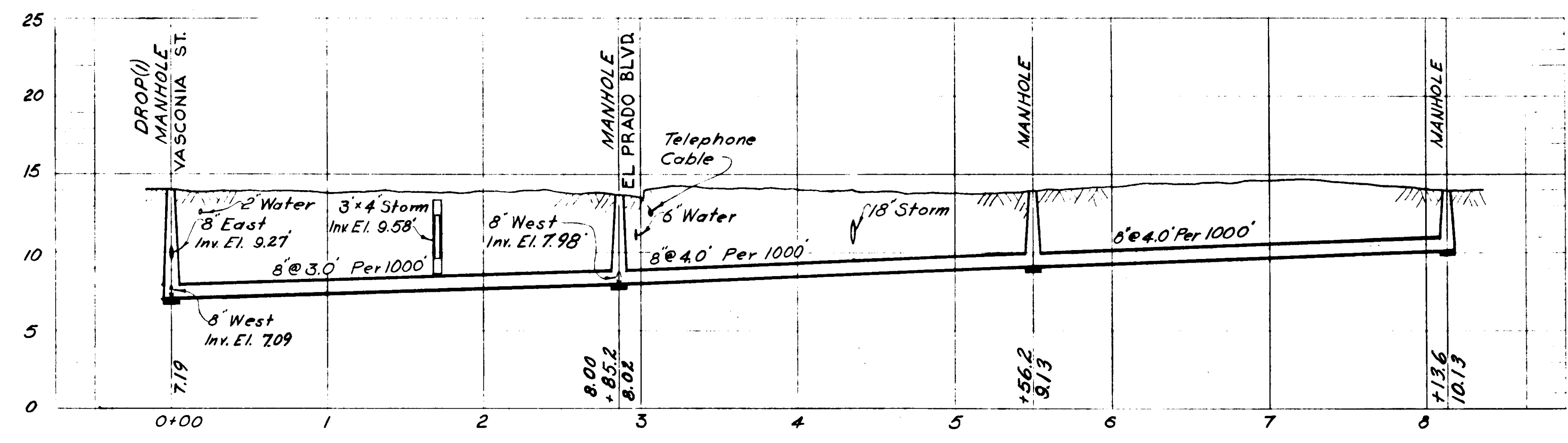
NOTE:
Church Ave. - Vasconia St. to El Prado Blvd.
replaced with 12" Cold Mix Pavement.



NOTE:
Vasconia St. - Sta. 0+00 to Sta. 0+15
replaced with 12" Cold Mix Pavement.
Vasconia St. - Sta. 0+15 to Sta. 5+52.5
replaced with Single Surface Treatment Pavt.



PROFILE SM-IB



PROFILE SM-IA

LEGEND-PROPERTY LINES
 - - - Property lines as indicated by Hillsborough County Tax Records
 ——— Property lines as indicated by Subdivision Plat

NOTES:
 1. All houses shown on this sheet are of concrete block construction except as noted.

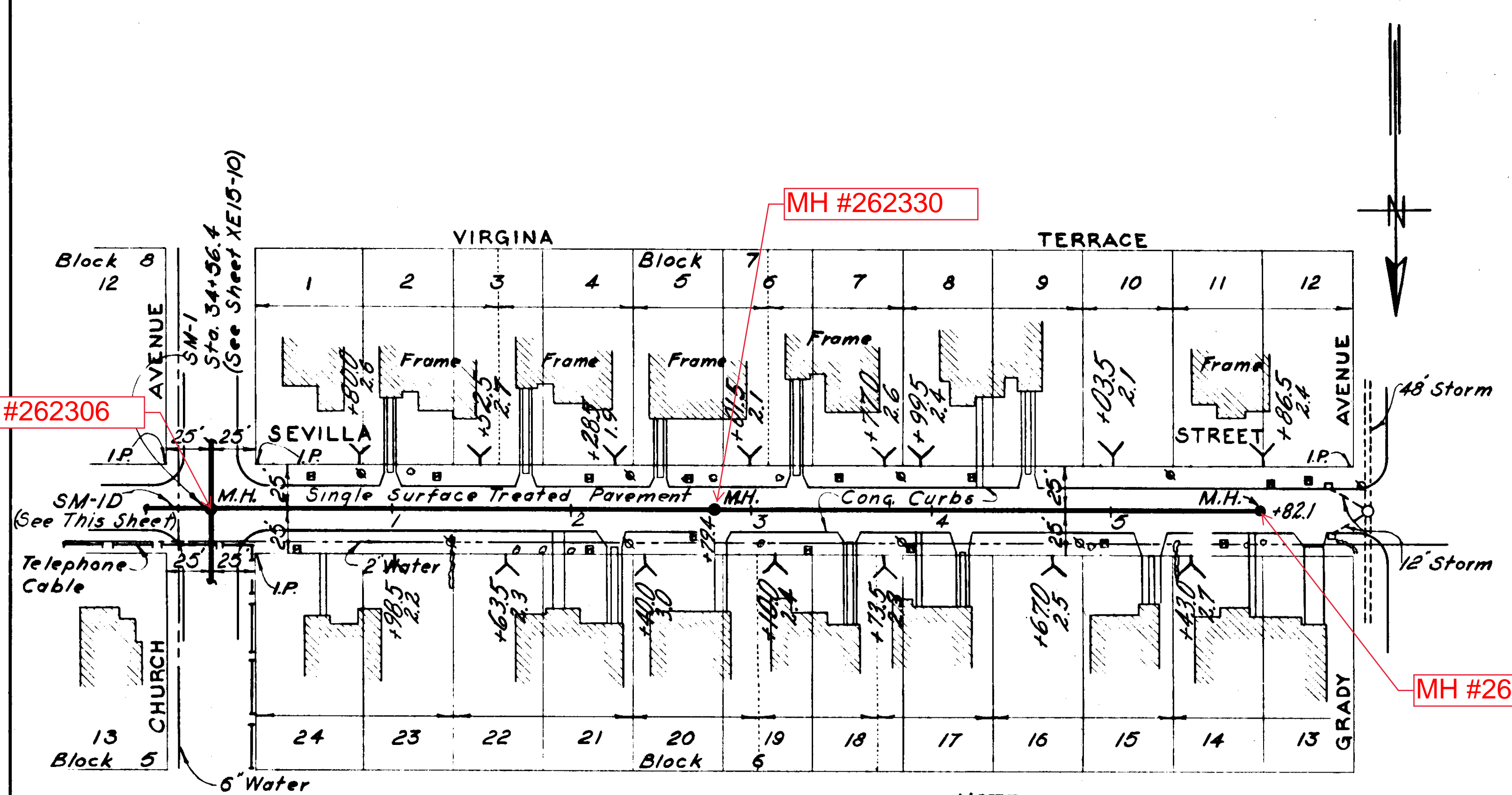
AS-BUILT PLAN
 Revised to show actual conditions according to construction record as of G.M.D. (6-11-56)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE15		
SM-IA & SM-IB		
DES. W.M.M. DR. W.M.M. CKD. R.E.F. DATE: NOV. 1954	SCALE 0 50 100 1"=50'	SHEET XE15-12 OF 30

MH #262306

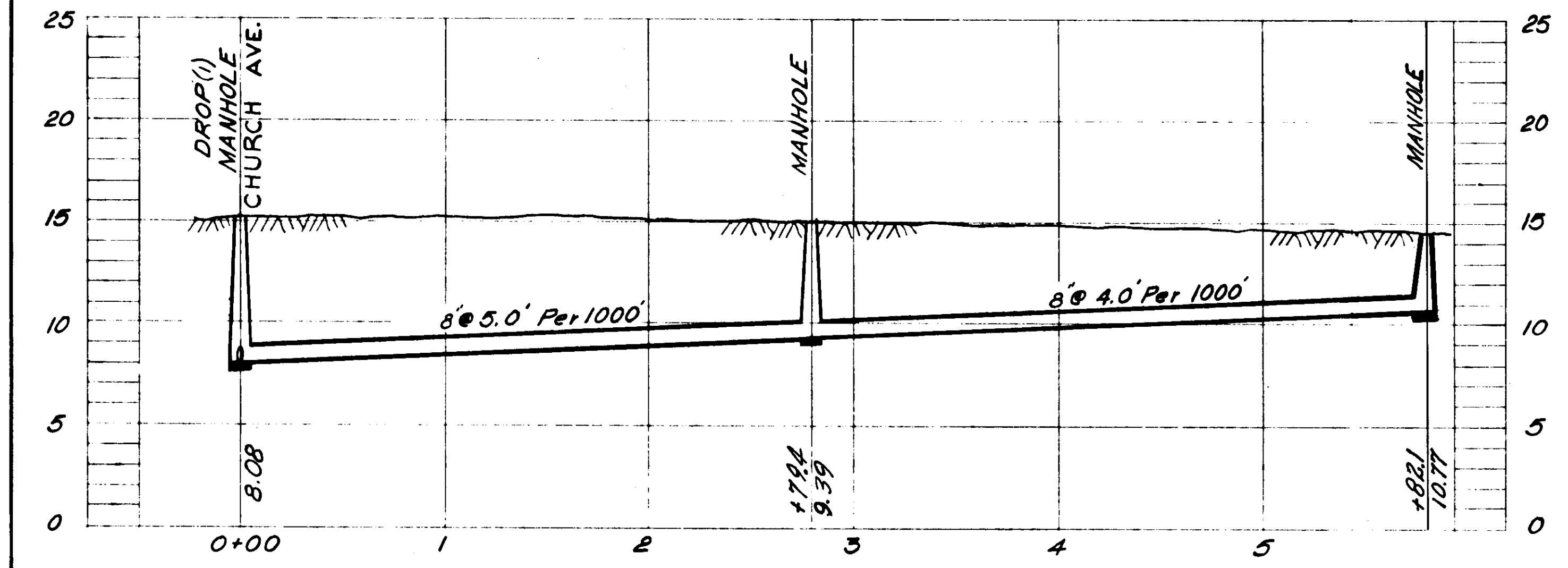
MH #262330

MH #262331

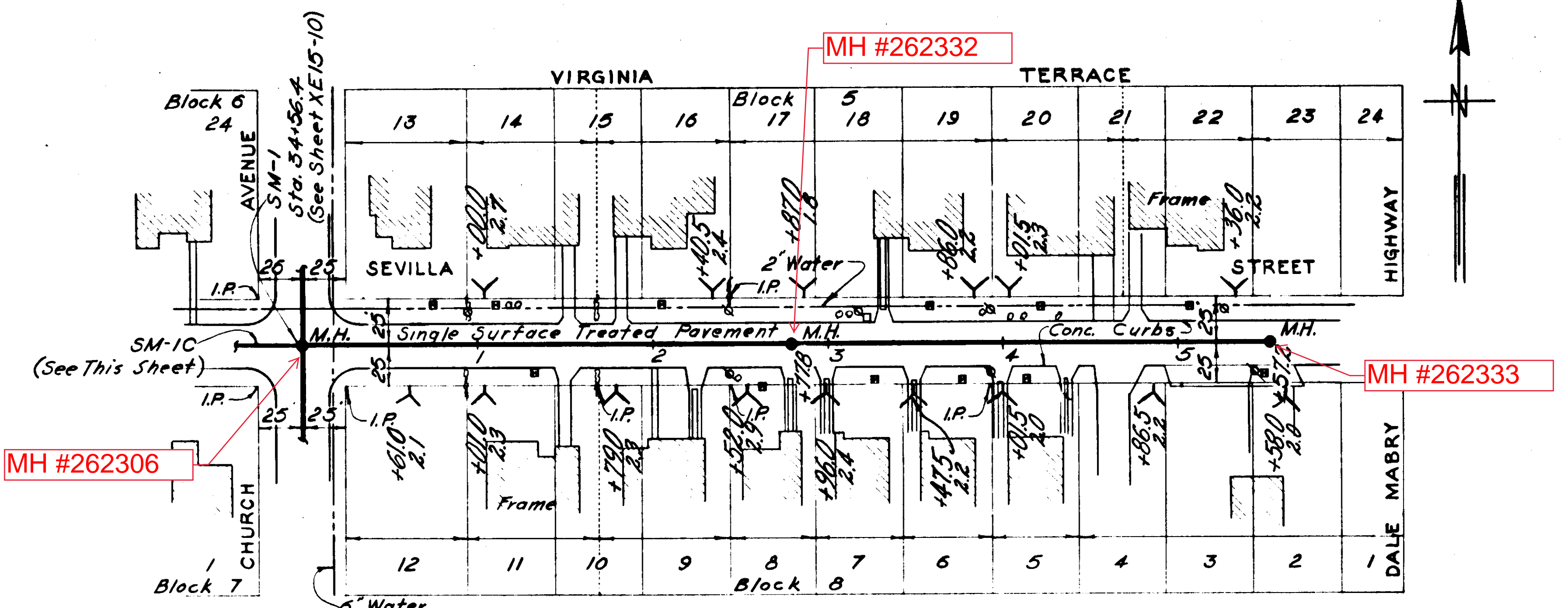


PLAN

NOTE:-
 Sevilla St. Pavt. - Church St. to Sta. 0+15.0 replaced with 1 1/2" Cold Mix Pavt. - Sta. 0+15.0 to Sta. 5+82.1 replaced with Single Surface Treatment Pavt.

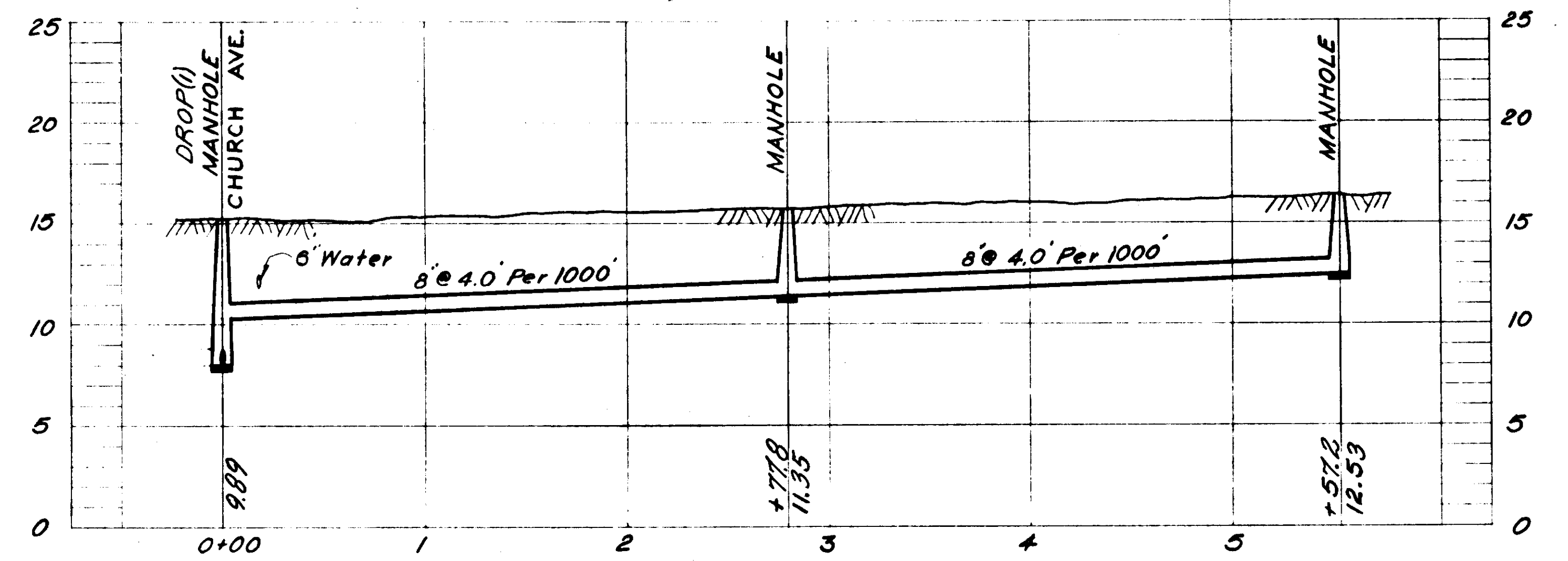


PROFILE SM-IC



PLAN

NOTE:-
 Sevilla St. Pavt. - Church St. to Sta. 0+15.0 replaced with 1 1/2" Cold Mix Pavt. - Sta. 0+15.0 to Sta. 5+57.2 replaced with Single Surface Treatment Pavt.



PROFILE SM-ID

LEGEND PROPERTY LINES
 - - - - - Property lines as indicated by Hillsborough County Tax Records
 ——— Property lines as indicated by Subdivision Plat

NOTES:
 1 All houses shown on this sheet are of concrete block construction except as noted.

AS-BUILT PLAN

Revised to show actual conditions according to construction record as of 6.M.D. (6-12-56)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION XI 15	
SM-IC & SM-ID	
DES. W.M.M. DR. W.M.M. CKD. Z.E.T. DATE: NOV. 1954	SCALE 50 0 50 100 1" = 50'
SHEET XI 15-13 OF 50	

MH #262305

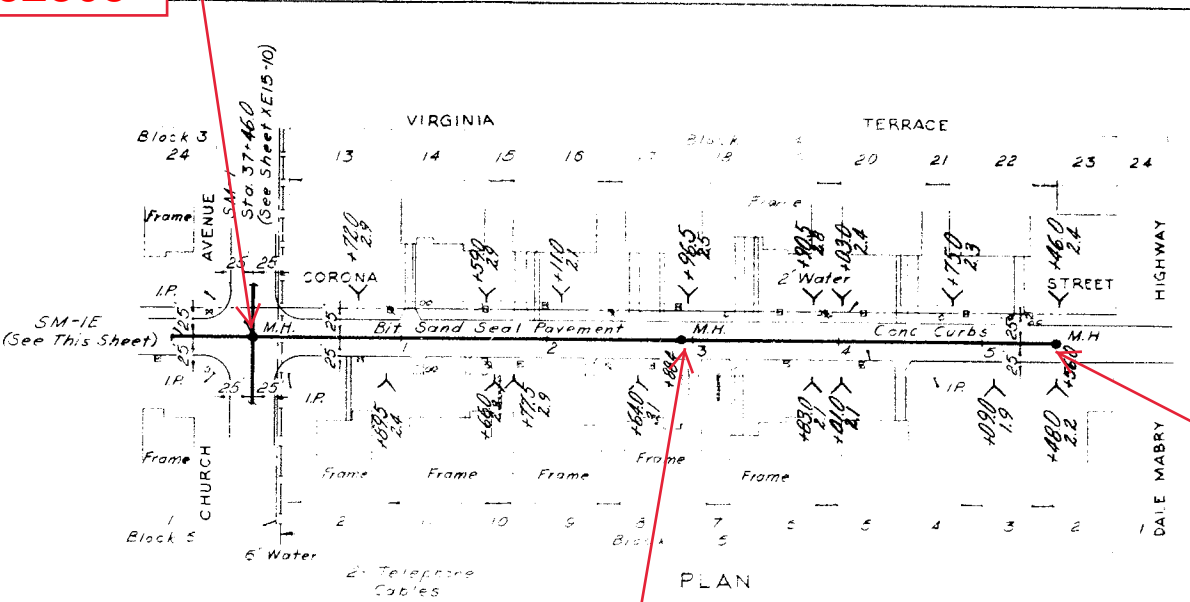
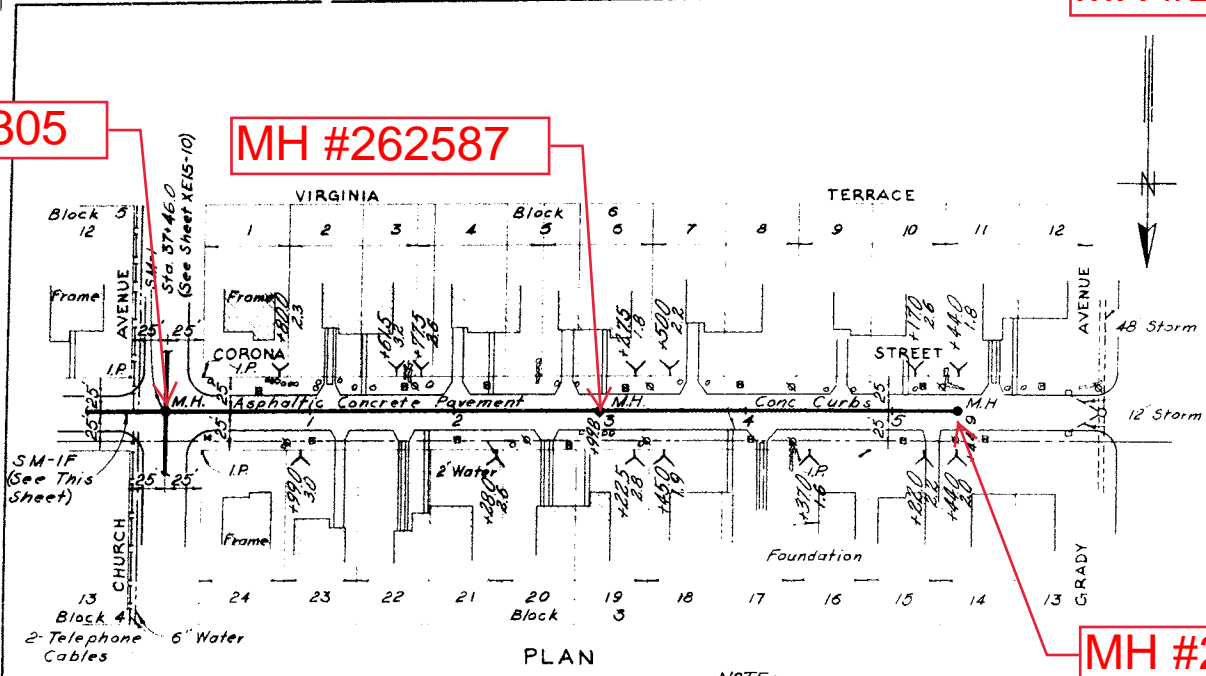
MH #262587

MH #262305

MH #262590

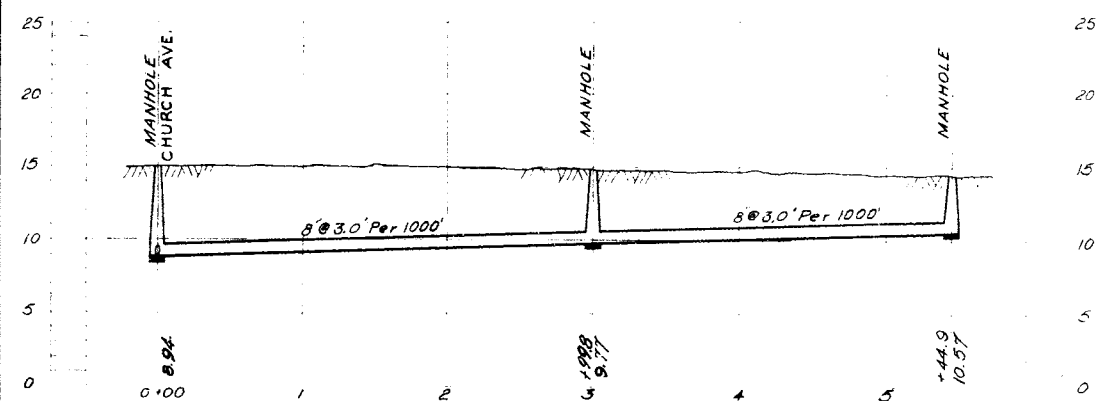
MH #262588

MH #262589

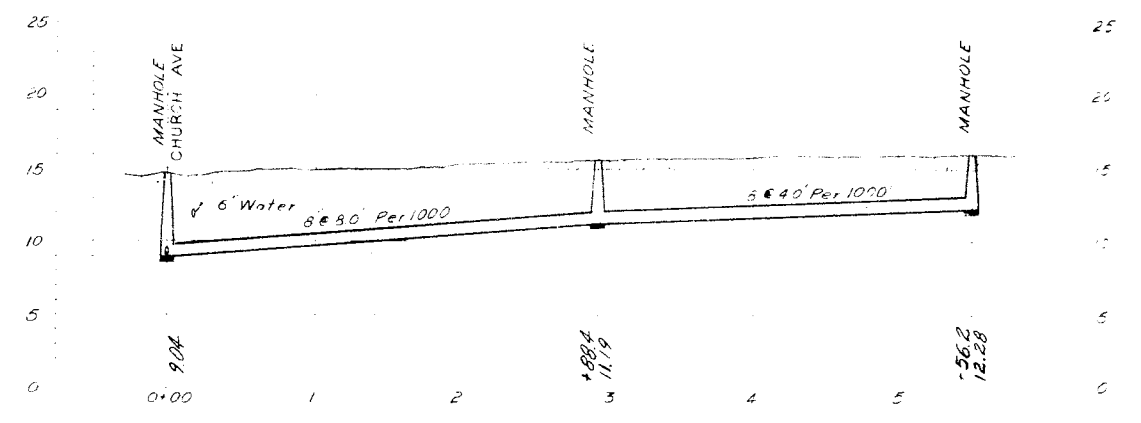


NOTE:-
 Corona St. Pavt. - Church St. to Sta. 0+15.0 replaced with 1 1/2" Cold Mix Pavt.
 Sta. 0+15.0 to Sta. 5+50.0 replaced with Single Surface Treatment Pavt.

NOTE:-
 Corona St. Pavt. - Church St. to Sta. 0+15.0 replaced with 1 1/2" Cold Mix Pavt.
 Sta. 0+15.0 to Sta. 5+56.0 replaced with Single Surface Treatment Pavt.



PROFILE SM-IE



PROFILE SM-IF

LEGEND-PROPERTY LINES
 - - - - - Property lines as indicated by Hillsborough County Tax Records
 - - - - - Property lines as indicated by Subdivision Plat

NOTES:
 1. All houses shown on this sheet are of concrete block construction unless otherwise noted.

AS-BUILT PLAN

Revised to show actual conditions according to construction record as of G.M.D. (6-12-56)

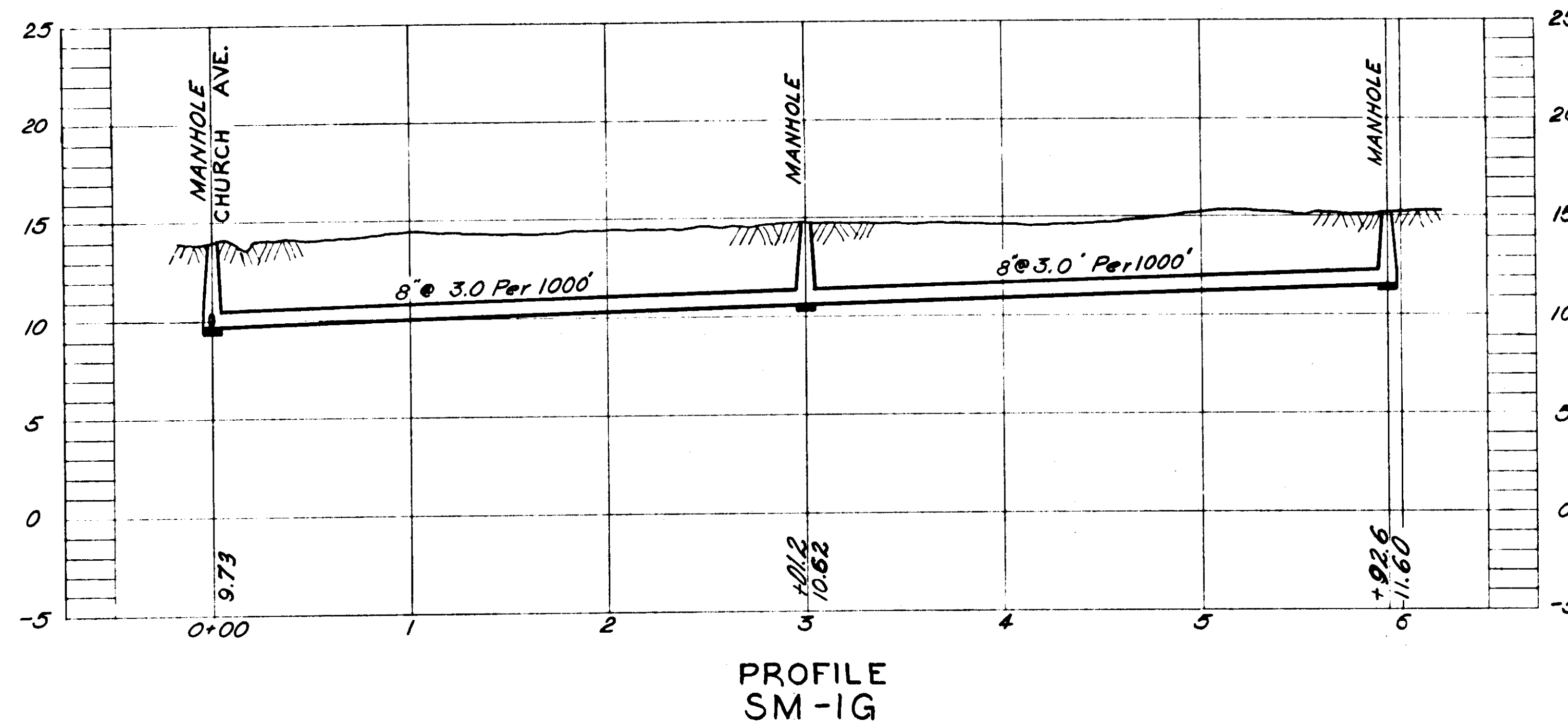
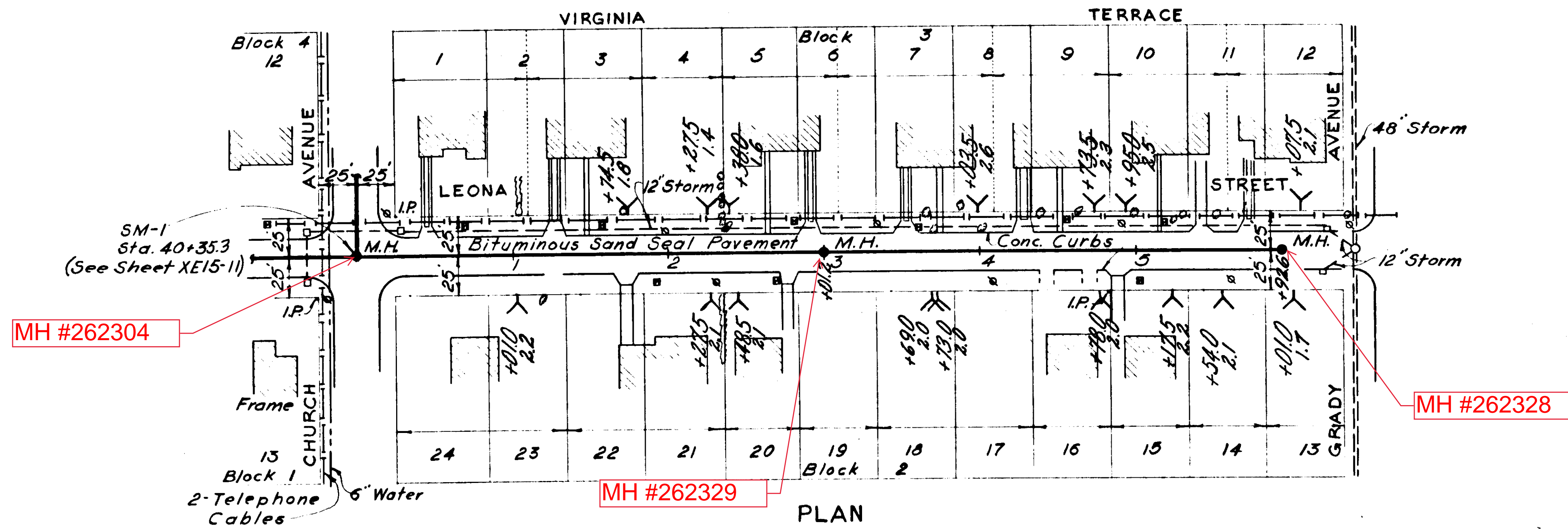
CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE15

SM-IE & SM-IF

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

DES. W.M.M. DR. W.M.M. CKD. E.E.F. DATE: NOV. 1954	SCALE 1" = 50'	SHEET XE15-14 OF 30
--	-------------------	---------------------------

064-014



LEGEND PROPERTY LINES
 - - - - - Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat.

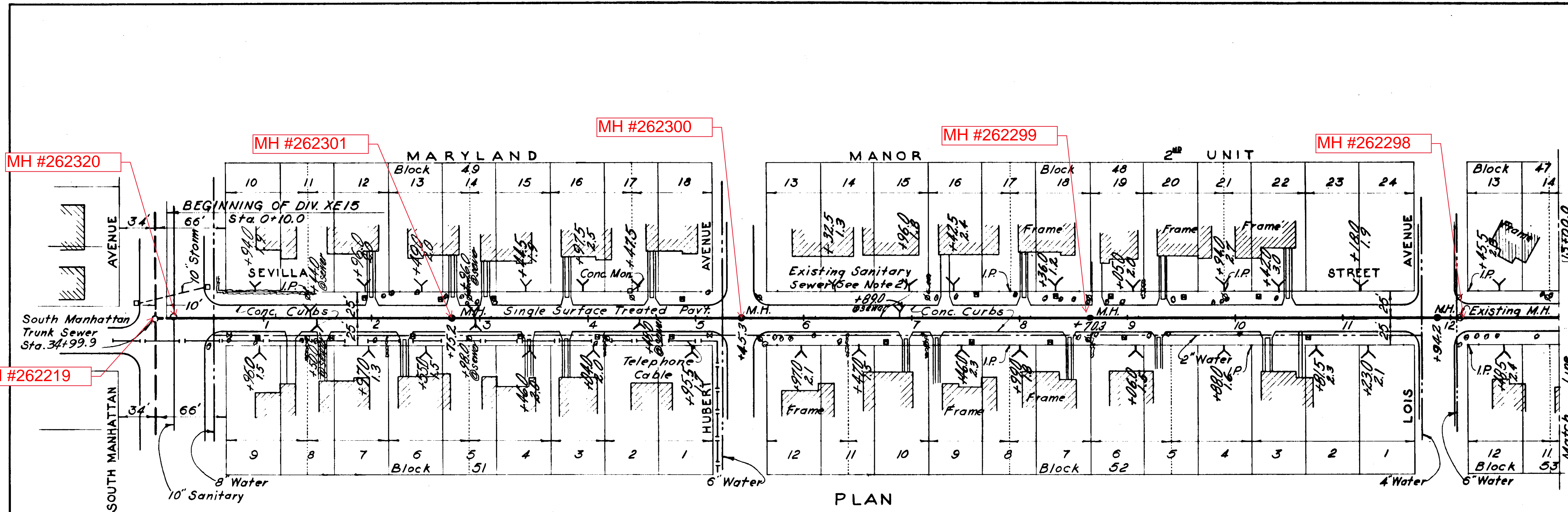
NOTES:
 1. All houses shown on this sheet are of concrete block construction except as noted.
 2. Pav't replacement: - 0+00.0 to 0+15.0 1½" Cold Mix.
 0+15.0 to 5+92.6 Single Surface Treatment.

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

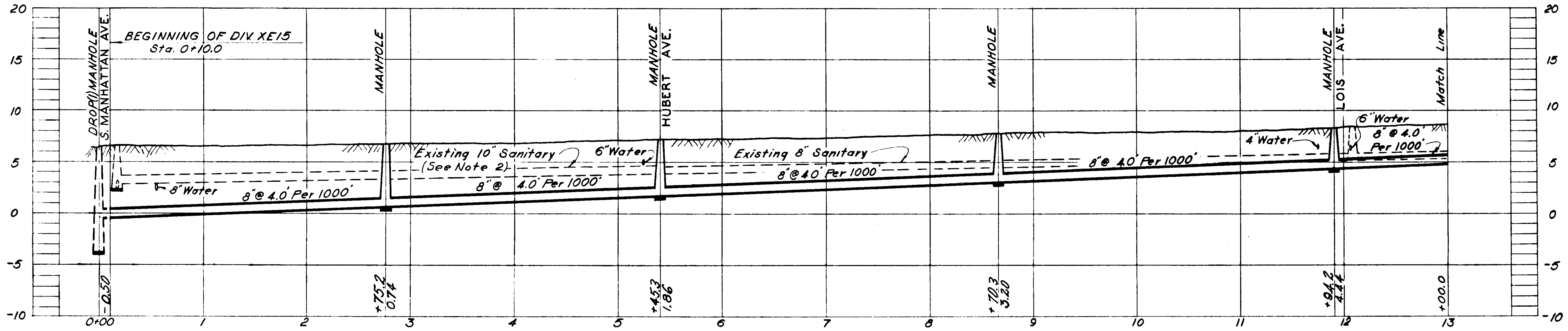
AS-BUILT PLAN
 Revised to show actual conditions according
 to construction record as of
 G.M.D. (6-12-56)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE15		
SM-1G STA. 0+00 TO STA. 5+92.6		
DES. W.M.M. DR. W.M.M. CKD. R.E.F. DATE: NOV. 1954	SCALE 0 50 100 1" = 50'	SHEET XE15-15 OF 30

064-015



PLAN



PROFILE SM-2

LEGEND-PROPERTY LINES
 - - - - - Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat.

AS-BUILT PLAN

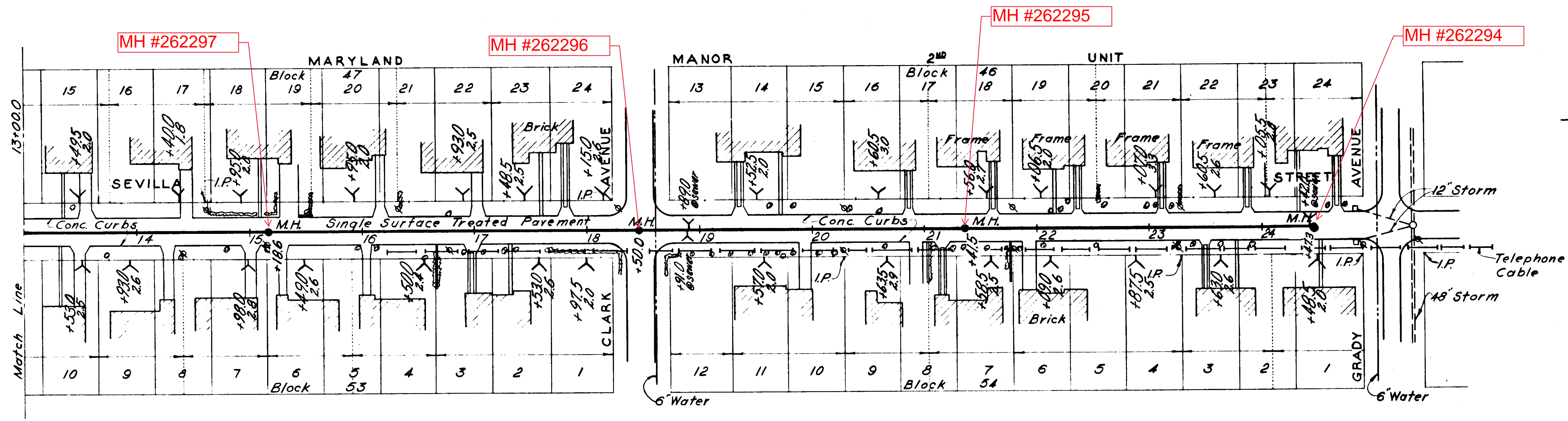
Revised to show actual conditions according to construction record as of 6.M.D. (6-12-56)

- NOTES:**
1. Construction of line SM-2 from sta. 0+10 to sta. 24+16 to be deferred until the South Manhattan trunk sewer is placed in operation.
 2. Existing sanitary sewer to be removed and existing house connections to be reconnected to new sewer. Sewage from existing house connections to be removed by the contractor, by method approved by the engineer, until the new sewer is placed in operation.
 3. All houses shown on this sheet are of concrete block construction unless otherwise noted.
 4. Pav't replacement:- 0+00.0 to 0+15.0, 1 1/2" Cold Mix. 0+15.0 to 13+00.0 Single Surface Treatment.

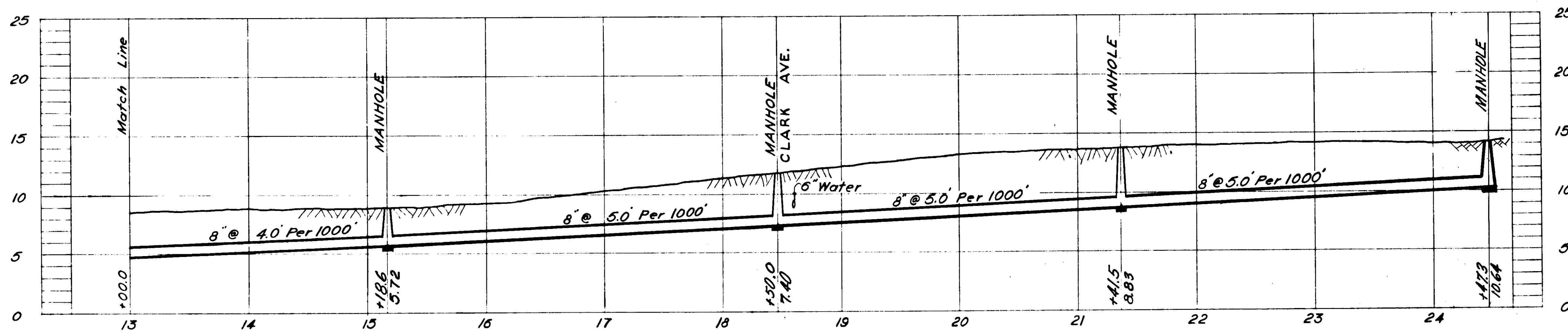
CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE15		
SM-2		
STA. 0+100 TO STA. 13+00		
DES. W.M.M. DR. W.M.M. CKD. J.E.P. DATE: NOV. 1954	SCALE 50 0 50 100 1" = 50'	SHEET XE15-16 OF 30

064-016

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.



PLAN



PROFILE SM-2

LEGEND-PROPERTY LINES
 - - - - - Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat.

- NOTES:
1. Construction of line SM-2 from sta. 0+10 to sta. 24+16 to be deferred until the South Manhattan trunk sewer is placed in operation.
 2. Existing sanitary sewer to be removed and existing house connections to be reconnected to new sewer. Sewage from existing house connections to be removed by the contractor, by method approved by the engineer, until the new sewer is placed in operation.
 3. All houses shown on this sheet are of concrete block construction unless otherwise noted.
 4. Pav't. replaced by Single Surface Treatment from Sta. 13+00.0 to Sta. 24+47.3

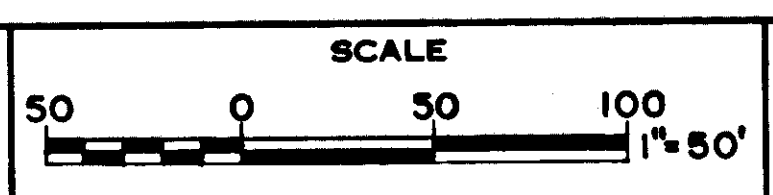
AS-BUILT PLAN
 Revised to show actual conditions according to construction record as of G.M.D. (6-12-56)

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE15

SM-2
 STA. 13+00 TO STA. 24+47.3

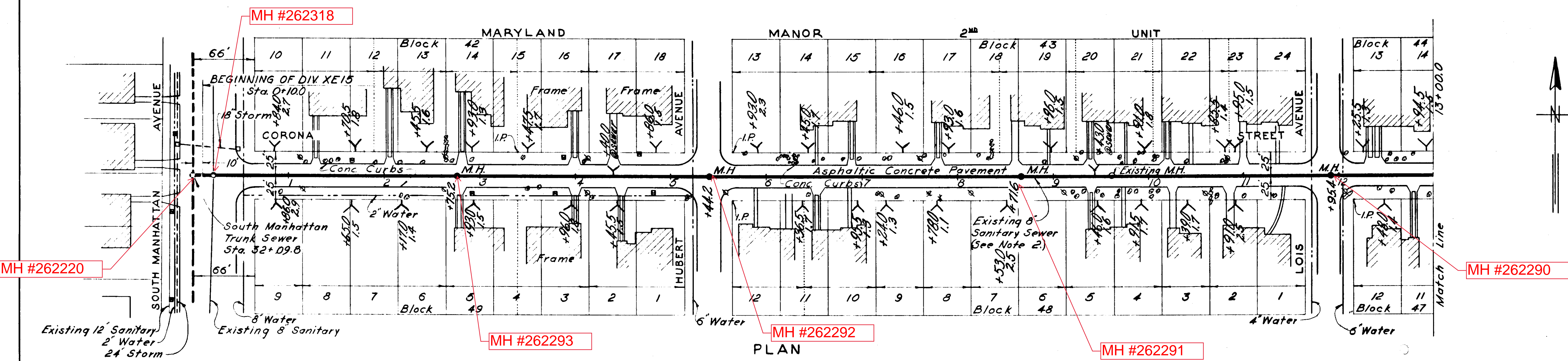
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

DES. W.M.M.
 DR. W.M.M.
 CKD. R.E.F.
 DATE:
 NOV. 1954

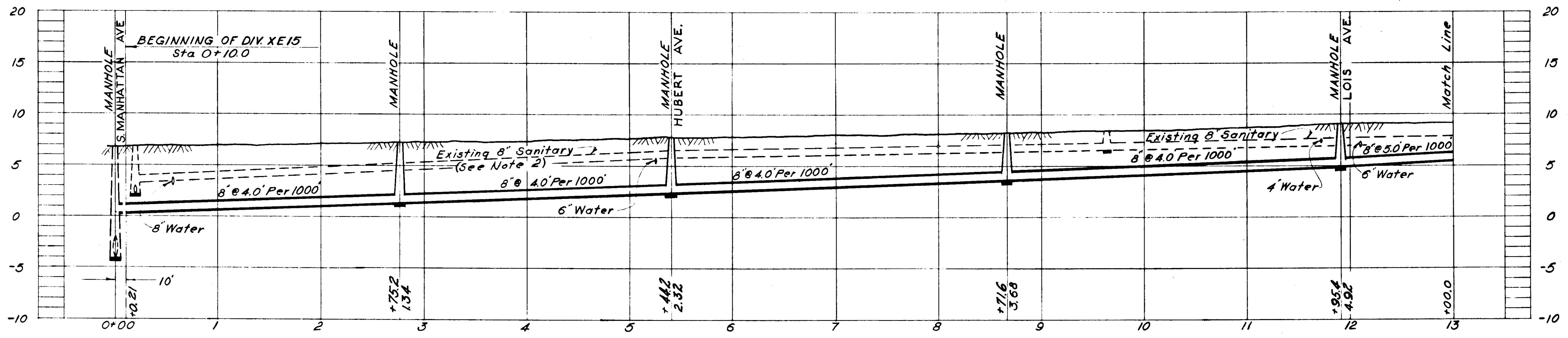


SHEET
 XE15-17
 OF 30

064-017



PLAN



PROFILE SM-3

LEGEND PROPERTY LINES
 Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat.

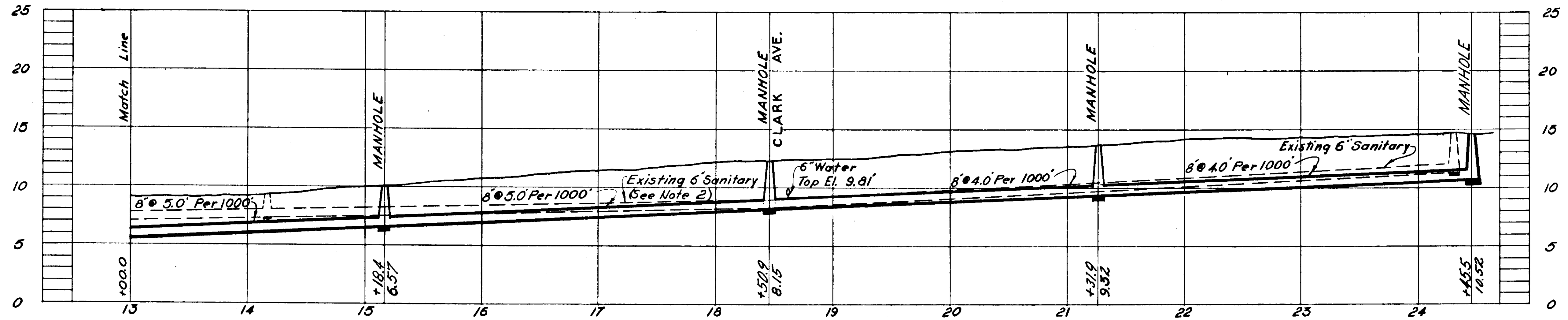
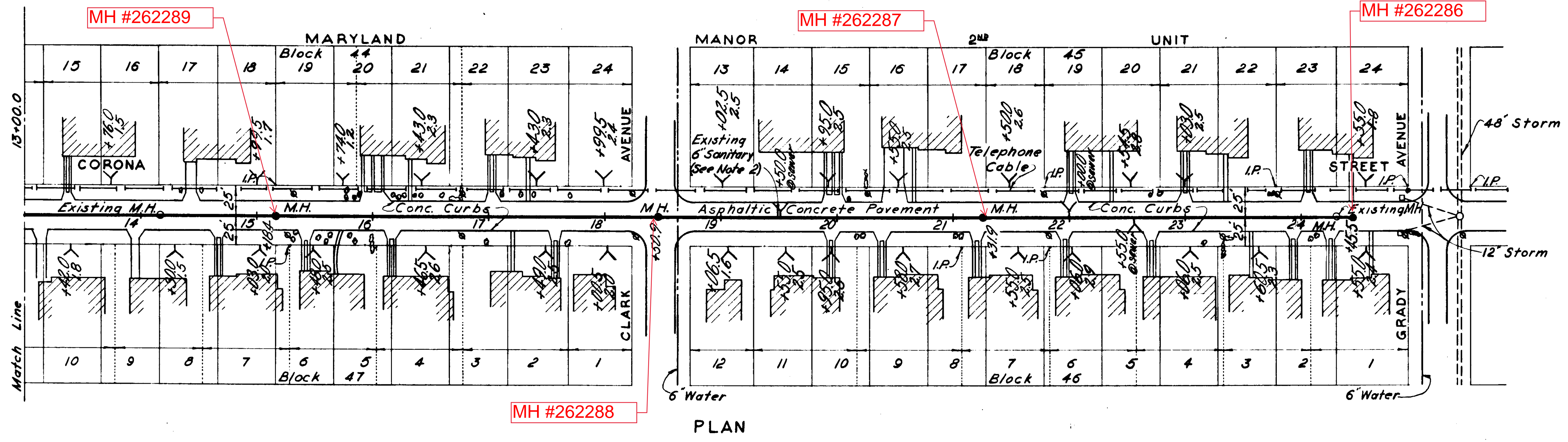
- NOTES:**
1. Construction of line SM-3 from sta. 0+10 to sta. 24+18.5 to be deferred until the South Manhattan trunk sewer is placed in operation.
 2. Existing sanitary sewer to be removed and existing house connections to be reconnected to new sewer. Sewage from existing house connections to be removed by the contractor, by method approved by the engineer, until the new sewer is placed in operation.
 3. All houses shown on this sheet are of concrete block construction unless otherwise noted.
 4. Pavt. replaced from Sta. 0+60.0 to Sta. 13+00.0 by Single Surface Treatment

AS-BUILT PLAN
 Revised to show actual conditions according to construction record as of G.M.D. (6-13-56)

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XI15		
SM-3		
STA. 0+100 TO STA. 13+00		
DES. W.M.M. DR. W.M.M. CKD. R.E.7 DATE: NOV. 1954	SCALE 50 0 50 100 1"=50'	SHEET XE15-18 OF 30

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

064-018



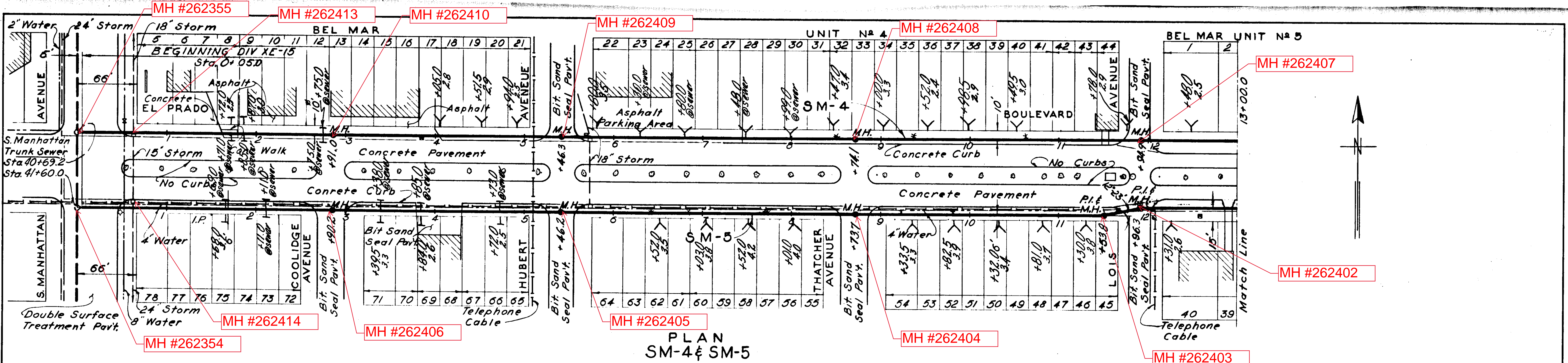
PROFILE SM-3

LEGEND PROPERTY LINES
 - - - - - Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat.

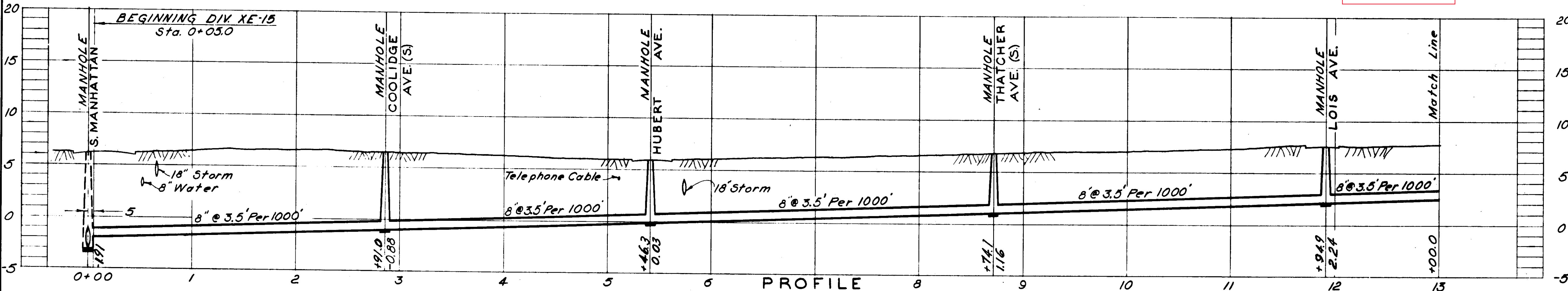
- NOTES:**
1. Construction of line SM-3 from sta. 0+10 to sta. 24+18.5 to be deferred until the South Manhattan trunk sewer is placed in operation.
 2. Existing sanitary sewer to be removed and existing house connections to be reconnected to new sewer. Sewage from existing house connections to be removed by the contractor, by method approved by the engineer, until the new sewer is placed in operation.
 3. All houses shown on this sheet are of concrete block construction.
 4. Pavt. replaced from Sta. 13+00.0 to Sta. 24+45.5 by Single Surface Treatment

AS-BUILT PLAN
 Revised to show actual conditions according to construction record as of G.M.D. (6-13-56)

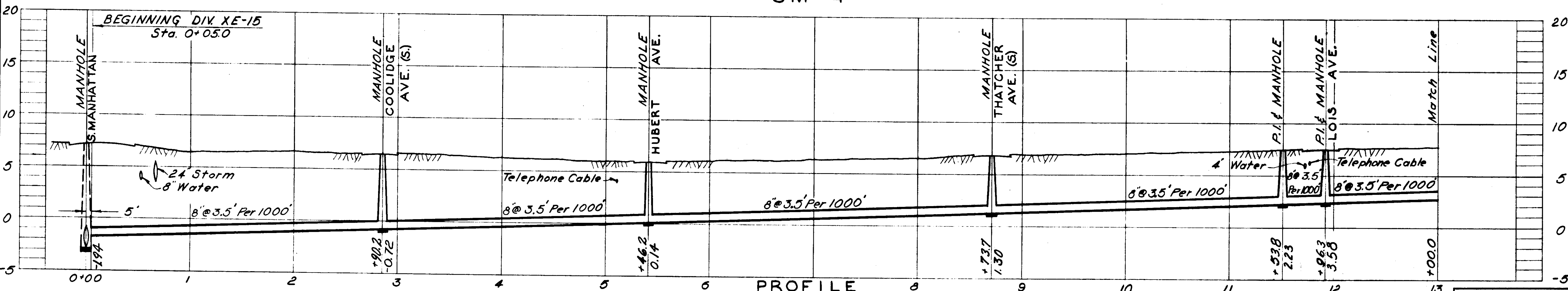
CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE15		
SM-3		
STA. 13+00 TO STA. 24+45.5		
DES. W.M.M. DR. W.M.M. CKD. 227 DATE: NOV. 1954	SCALE 0 50 100 1" = 50'	SHEET XE15-19 OF 30



PLAN SM-4 & SM-5



PROFILE SM-4



PROFILE SM-5

Notes (Part. replacement)
 1. SM-4 (No. side El Prado-Manhattan to Lois Ave.)
 122' lineal Ft. of 1 1/2" Cold Mix, 112' lineal Ft. of Conc. & 297' lineal Ft. of shell.
 2. SM-5 (So. side El Prado Manhattan to Lois Ave.)
 313' lineal Ft. of 1 1/2" Cold Mix.

NOTES:
 1. All houses shown on this sheet are of concrete block construction unless otherwise noted.

AS-BUILT PLAN

Revised to show actual conditions according to construction record as of G.M.D. (6-13-56)

GREELEY AND HANSEN ENGINEERS CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XI E 15

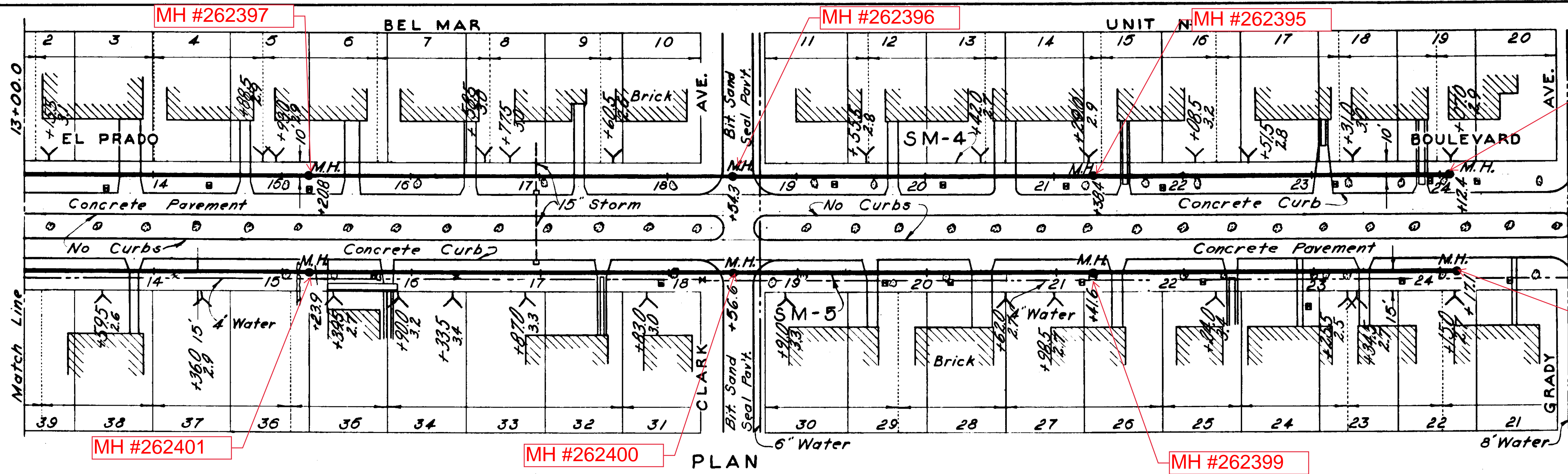
SM-4 & SM-5
 STA. 0+050 TO STA. 13+00

DES. W.M.
 DR. W.M.
 CKD. EE7
 DATE:
 NOV. 1954

SCALE
 0 50 100
 1" = 50'

SHEET
 XI E 15-20
 OF 30

064-020



PLAN

MH #262394

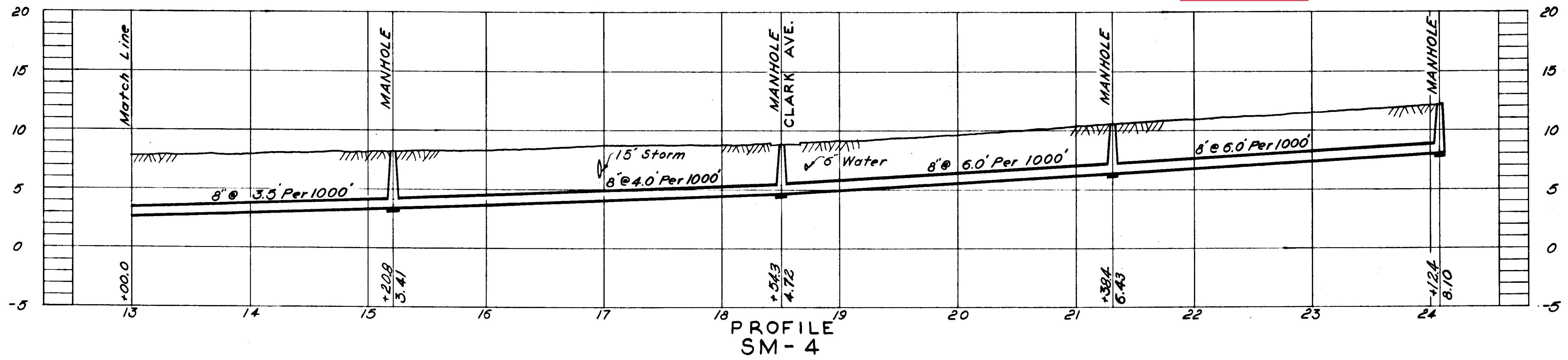
MH #262398

MH #262401

MH #262400

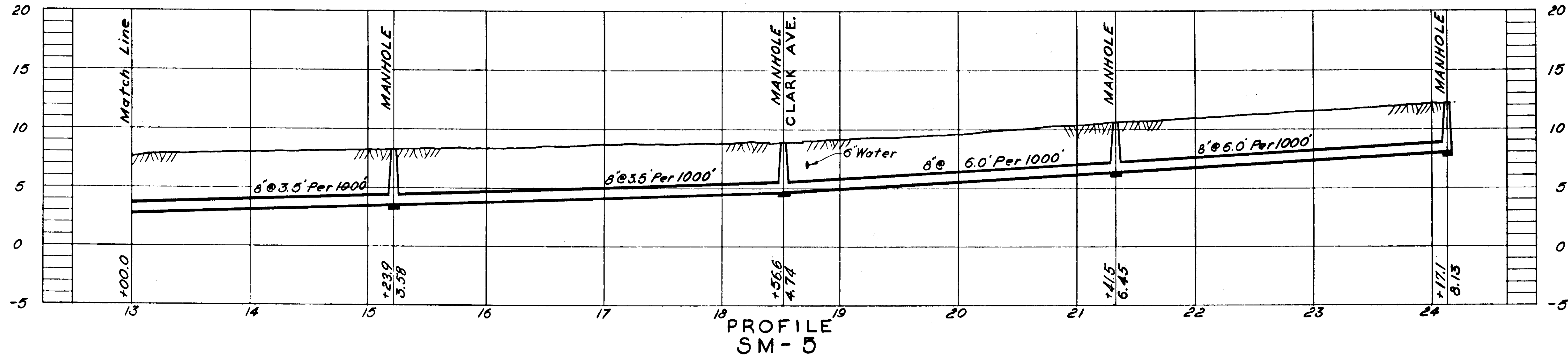
MH #262399

LEGEND PROPERTY LINES
 Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat.



PROFILE SM-4

Notes:
 1. All houses shown on this sheet are of concrete block construction unless otherwise noted



PROFILE SM-5

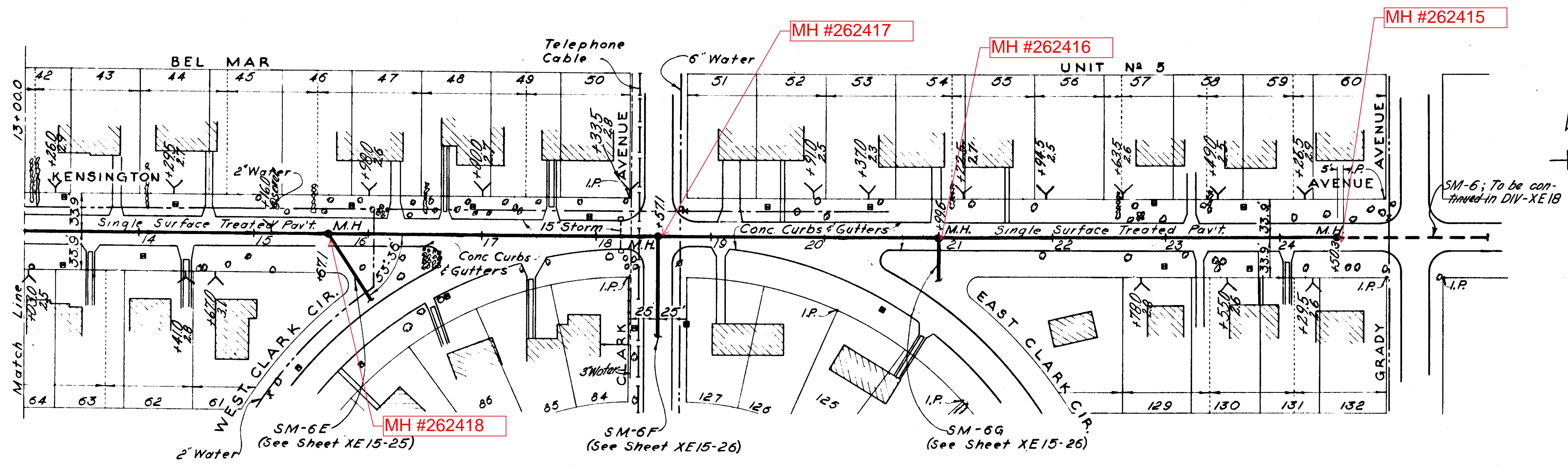
AS-BUILT PLAN

Revised to show actual conditions according to construction record as of G.M.D. (6-13-56)

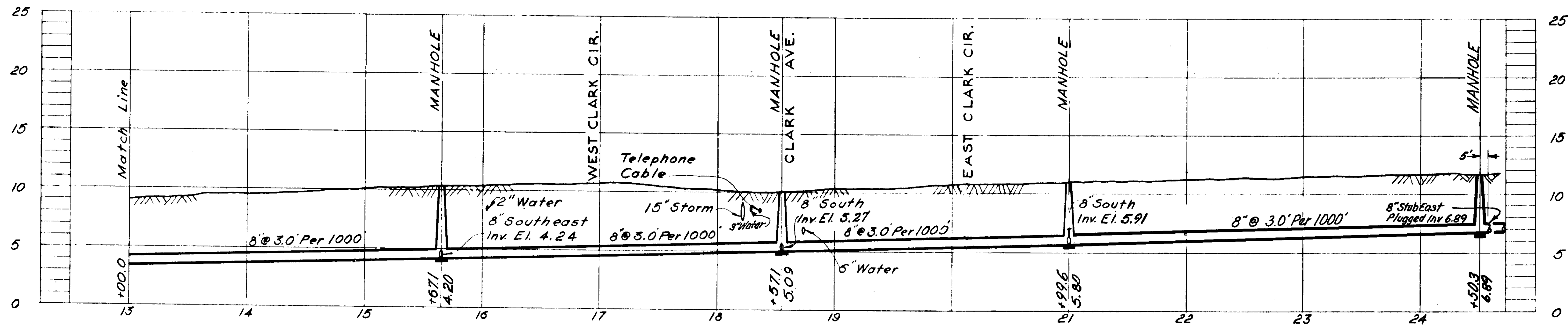
CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE15		
SM-4		
STA. 13+00 TO STA. 24+12.4		
SM-5		
STA. 13+00 TO STA. 24+17.1		
DES. W.M. DR. W.M. CKD. R.E. DATE: NOV. 1954	SCALE 50 0 50 100 1" = 50'	SHEET XE15-21 OF 30

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

064-021



PLAN



PROFILE SM-6

LEGEND PROPERTY LINES
 - - - - - Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat.

NOTES:
 1. All houses shown on this sheet are of concrete block construction.
 2. Pav't replacement on Kensington Ave. from Sta. 13+00.0 to Grady Ave. - 1 1/2" Cold Mix.

AS-BUILT PLAN

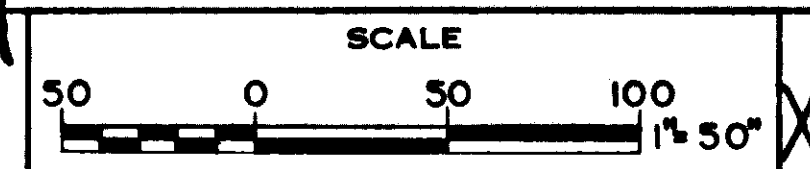
Revised to show actual conditions according to construction record as of G.M.D. (6-14-56)

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE 15

SM-6
 STA. 13+00 TO STA. 24+50.3

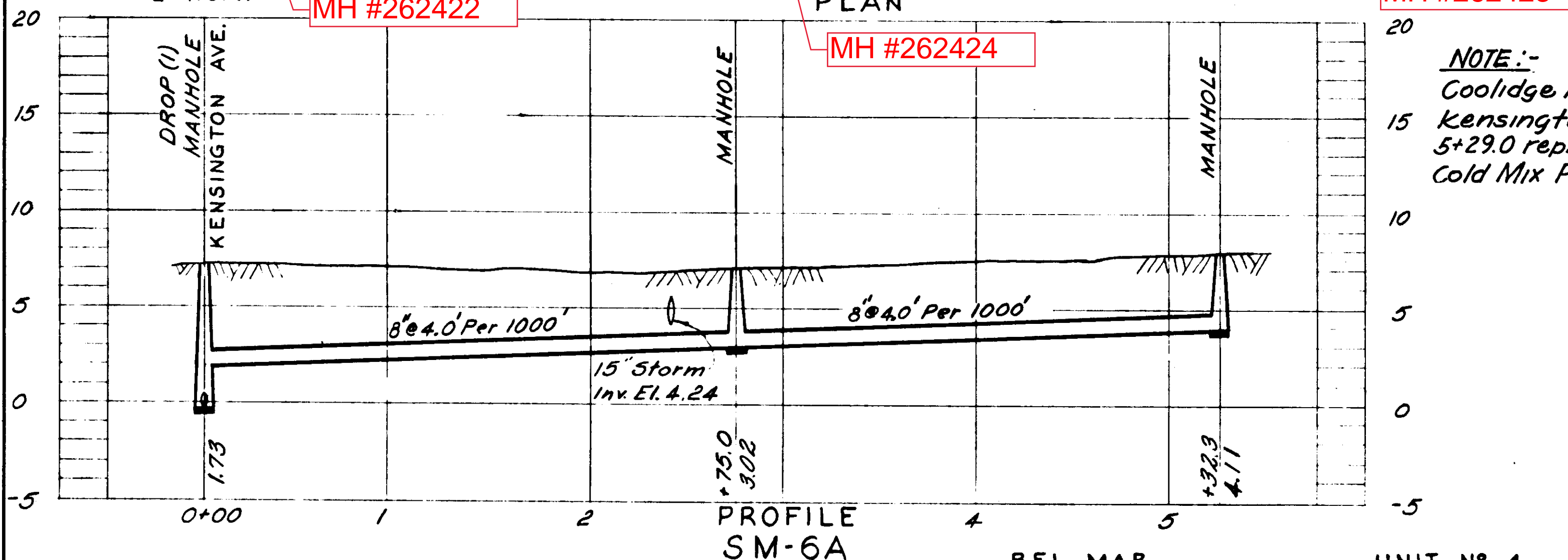
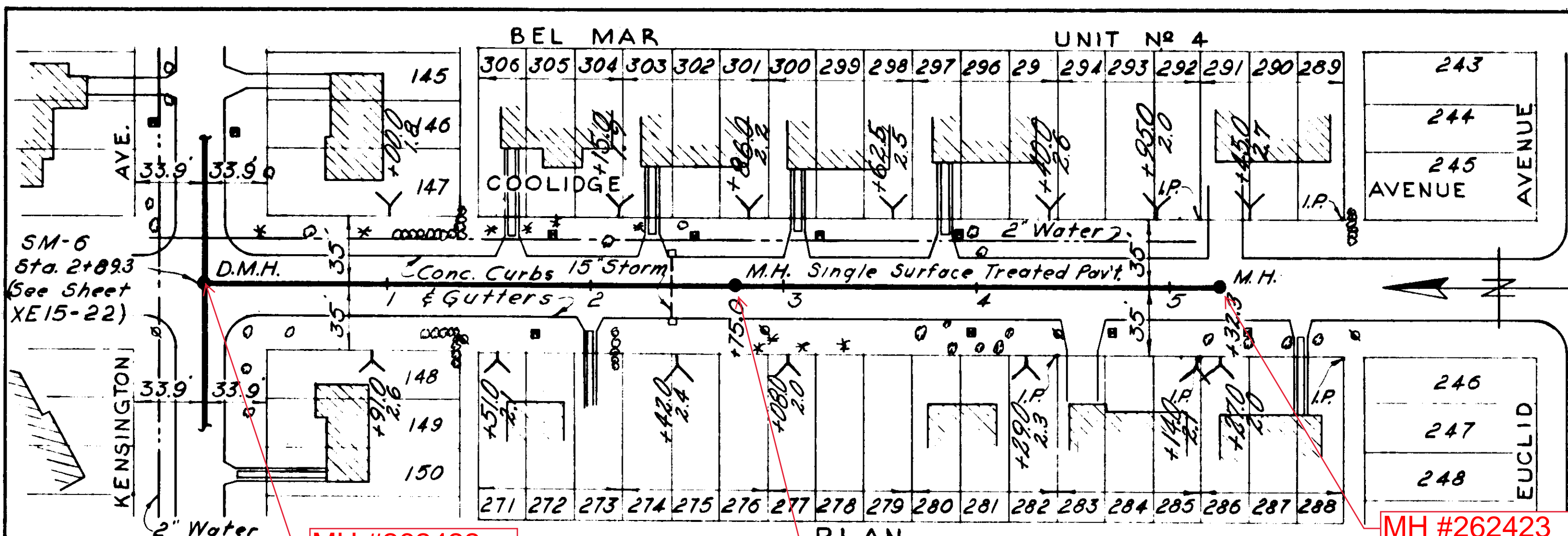
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

DES. W.M.
 DR. W.M.
 CKD. R.E.T.
 DATE:
 NOV. 1954

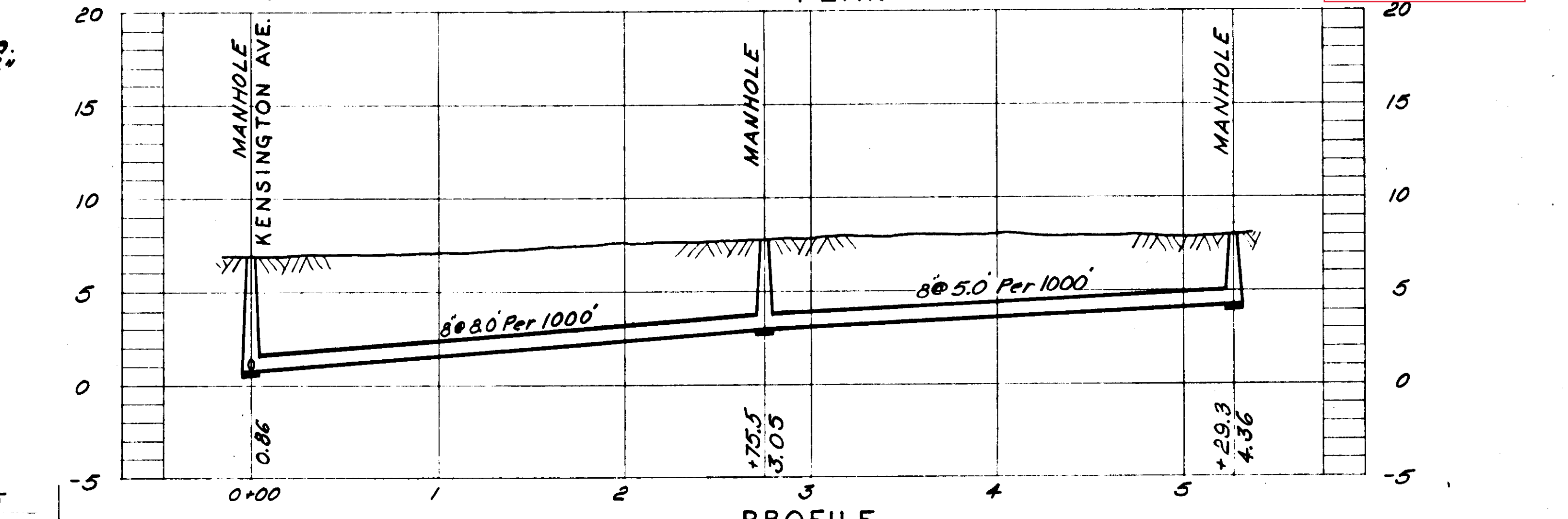
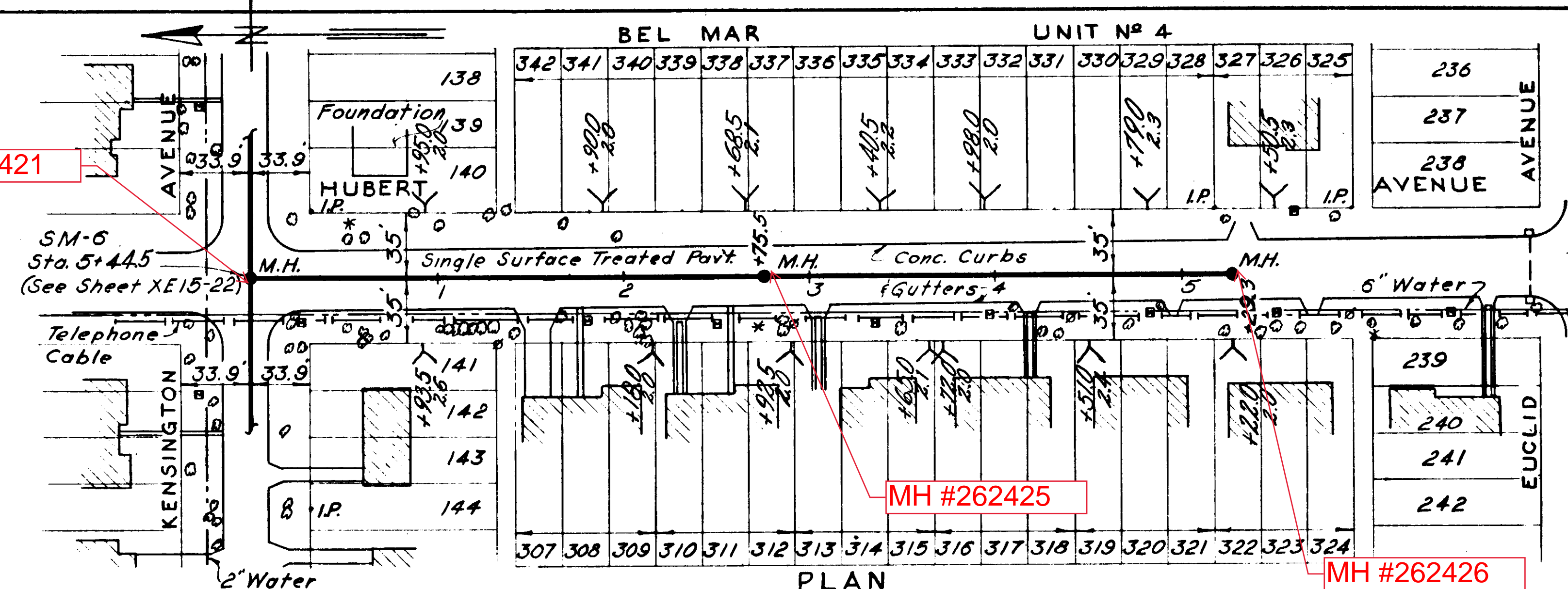


SHEET
 XE15-23
 OF 30

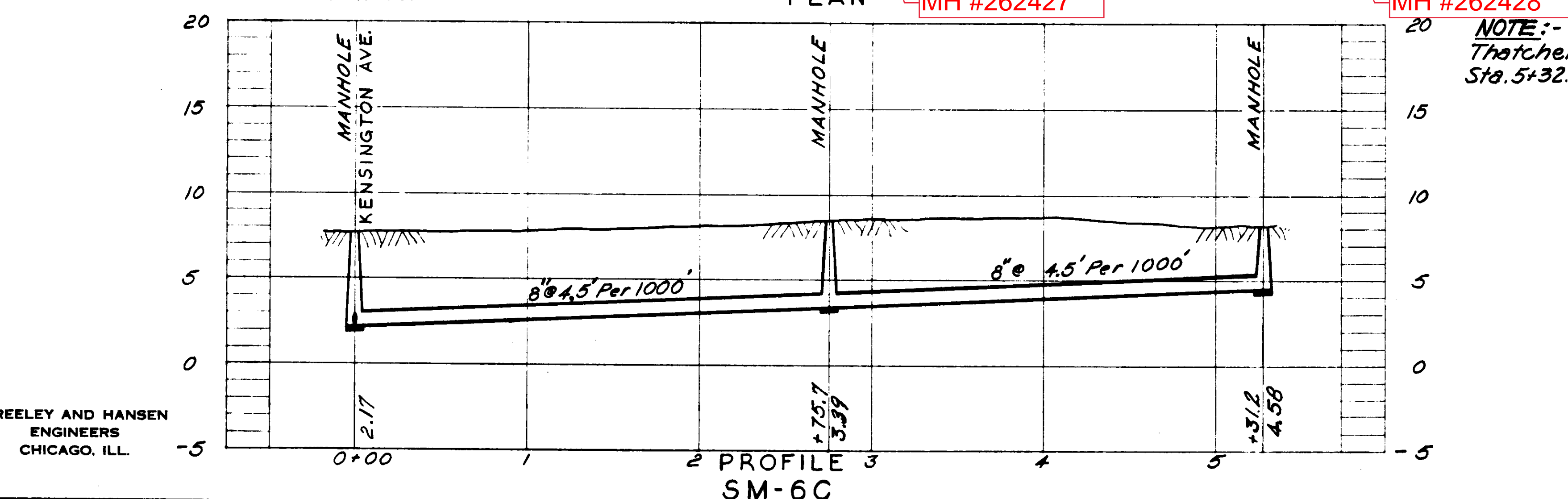
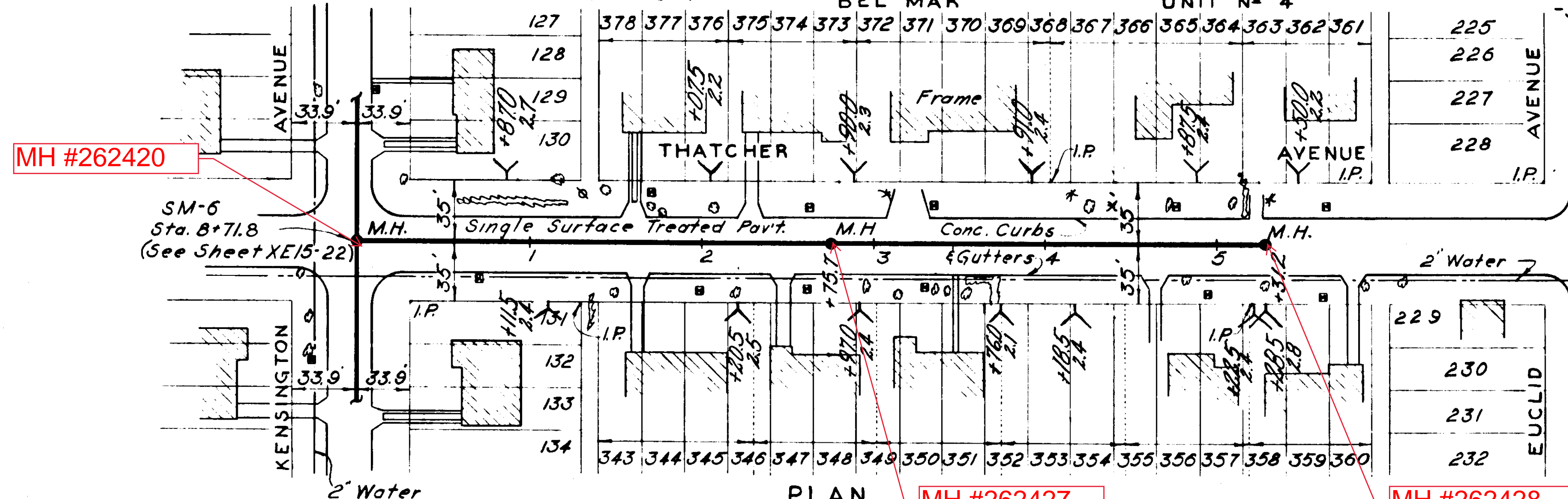
067-023



NOTE:-
Coolidge Ave. Pavt. -
Kensington Ave. to Sta.
5+29.0 replaced with 1 1/2"
Cold Mix Pavt.



NOTE:-
Hubert Ave. Pavt. - Kensington Ave. to
Sta. 5+29.0 replaced with 1 1/2"
Cold Mix Pavt.



NOTE:-
Thatcher Ave. Pavt. - Kensington Ave. to
Sta. 5+32.0 replaced with 1 1/2"
Cold Mix Pavt.

NOTES:
1. All houses shown on this sheet are of concrete
block construction unless otherwise noted.

LEGEND - PROPERTY LINES
- - - - - Property lines as indicated by
Hillsborough County Tax Records.
— — — — — Property lines as indicated by
Subdivision Plat.

AS-BUILT PLAN

Revised to show actual conditions according
to construction record as of
G.M.D. (6-14-56)

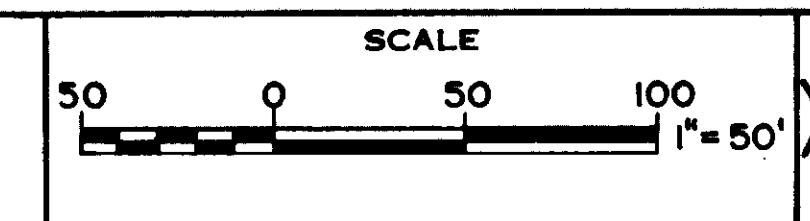
CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS

DIVISION XE15

SM-6A, SM-6B & SM-6C

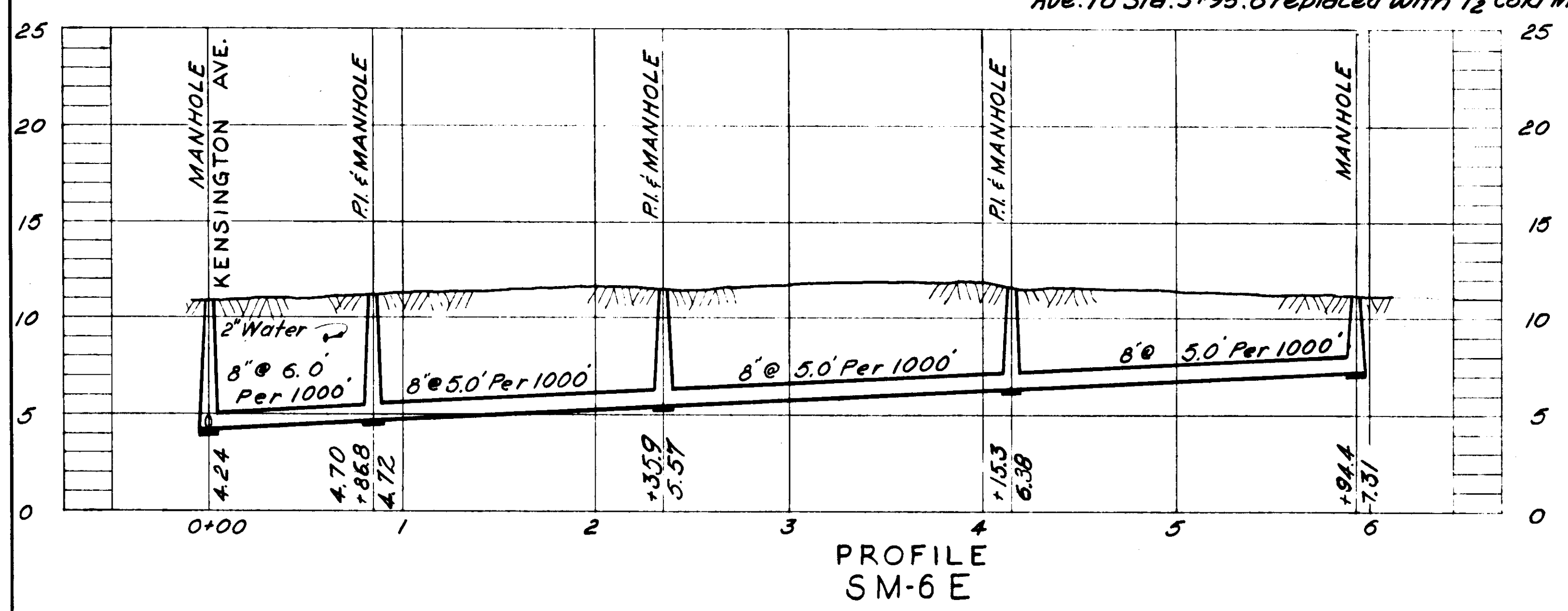
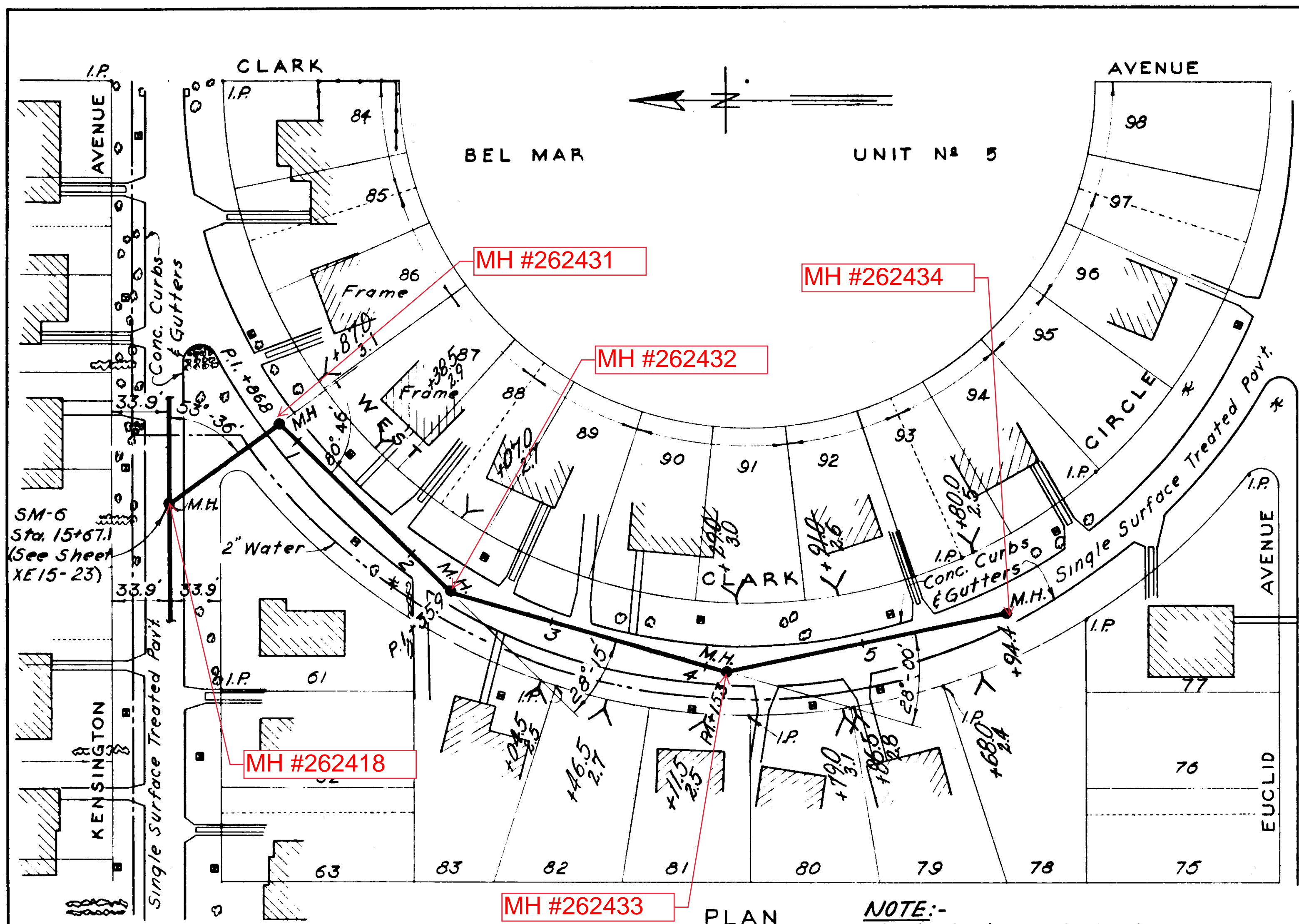
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

DES. W. M.
DR. W. M.
CKD. EET
DATE:
NOV. 1954



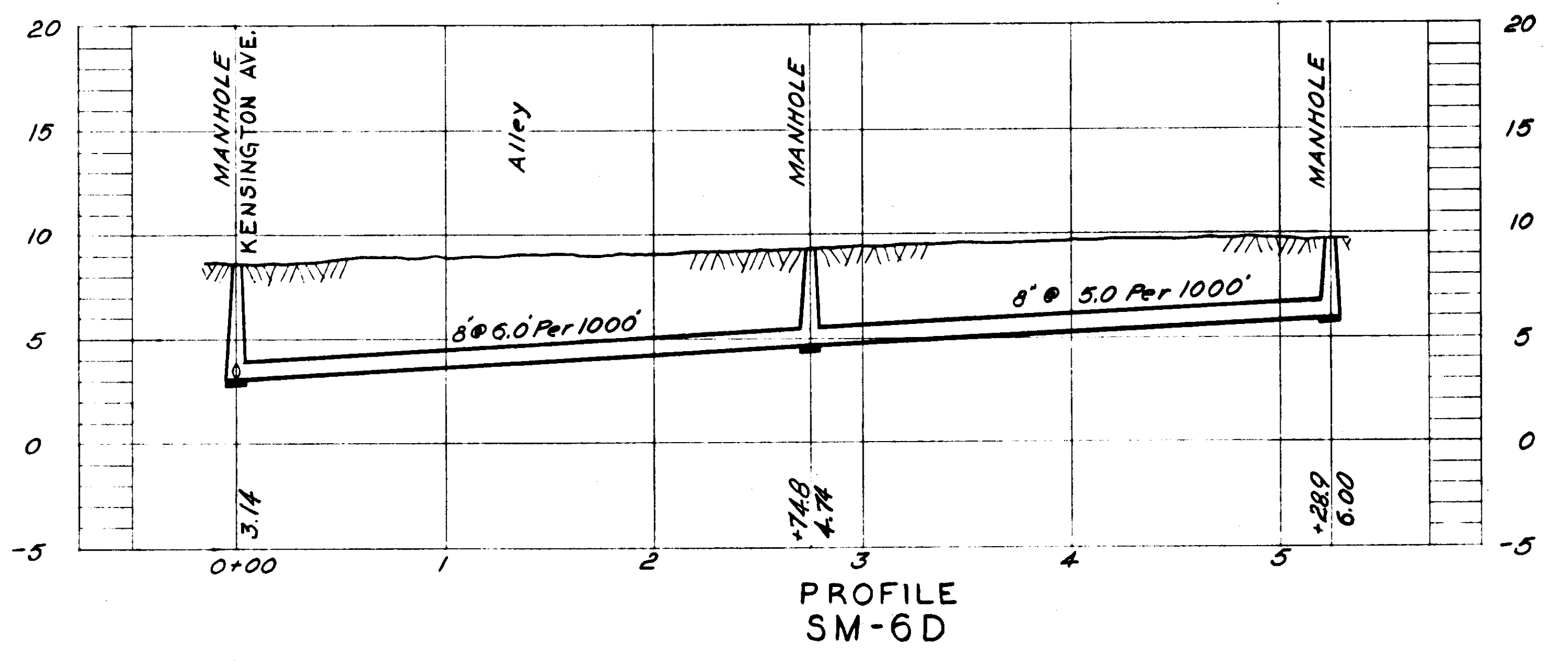
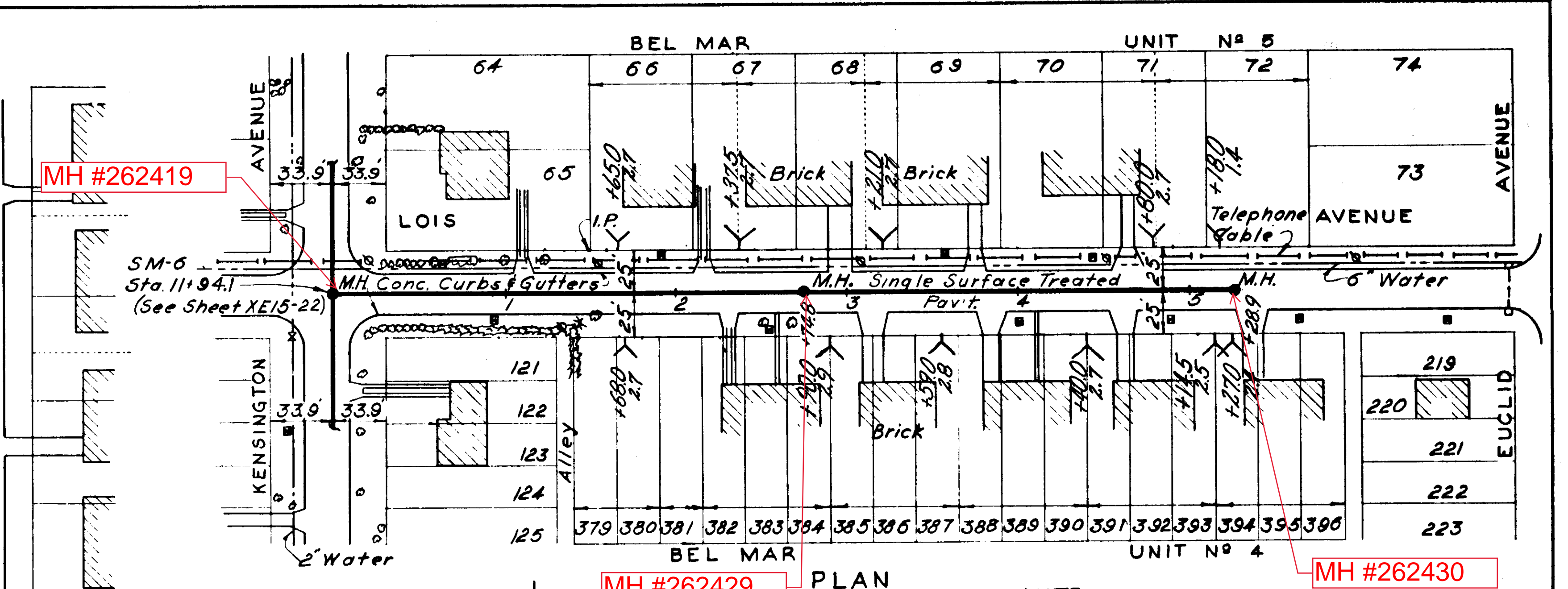
SHEET
XE15-24
OF 30

064-024



NOTE:-
West Clark Circle Pavt. - Kensington Ave. to Sta. 5+95.8 replaced with 1 1/2" Cold Mix Pavt.

LEGEND PROPERTY LINES
 Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat



NOTE:-
Lois Ave. Pavt. - Kensington Ave. to Sta. 5+29.0 replaced with 1 1/2" Cold Mix Pavt.

NOTES:
 1. All houses shown on this sheet are of concrete block construction unless otherwise noted.

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

AS-BUILT PLAN

Revised to show actual conditions according to construction record as of 6.M.D. (6-14-56)

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE15

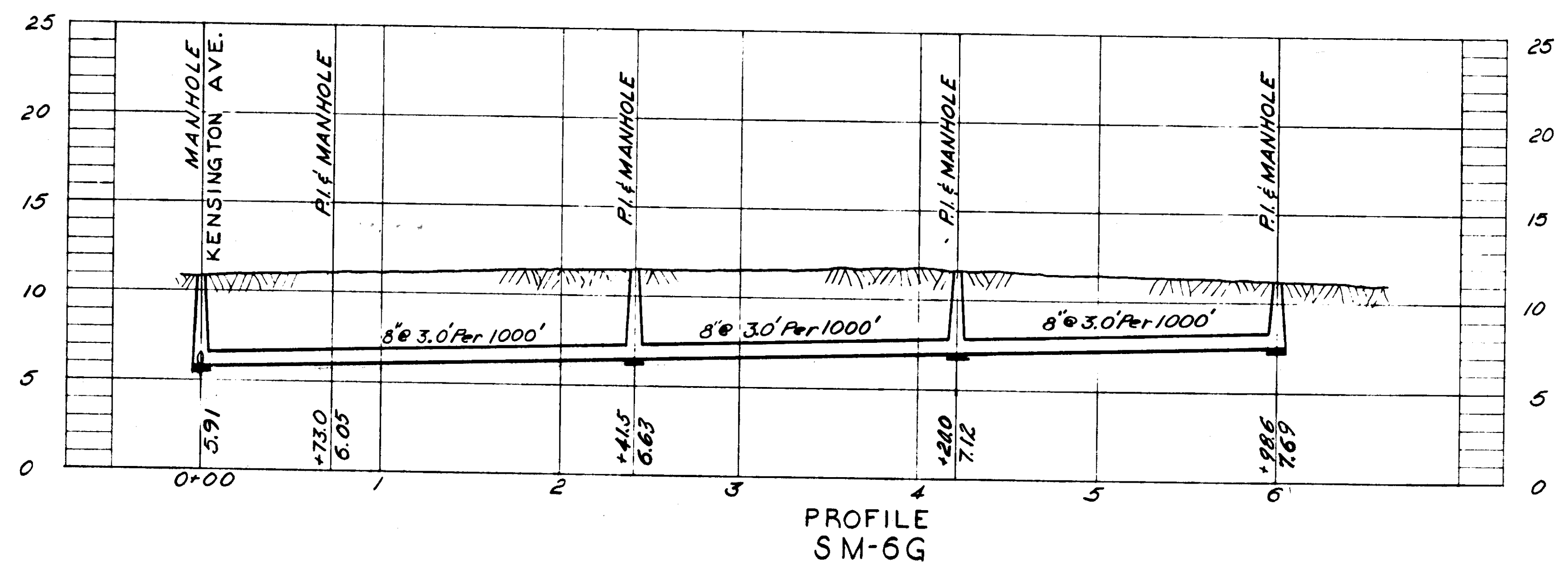
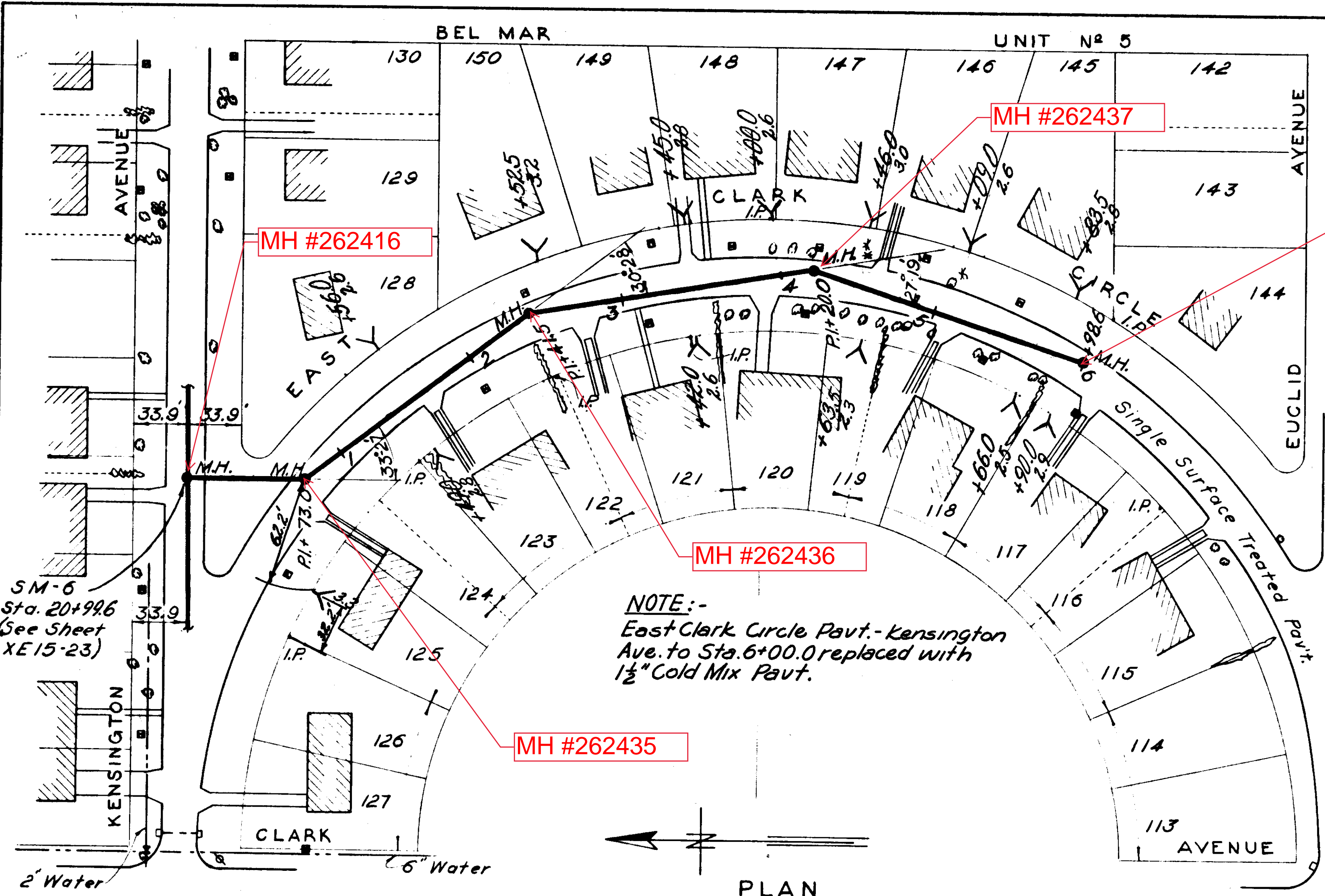
SM-6D & SM-6E

DES. W.M.
 DR. W.M.
 CKD. P.E.
 DATE: NOV. 1954

SCALE
 0 50 100
 1" = 50'

SHEET
 XE15-25
 OF 30

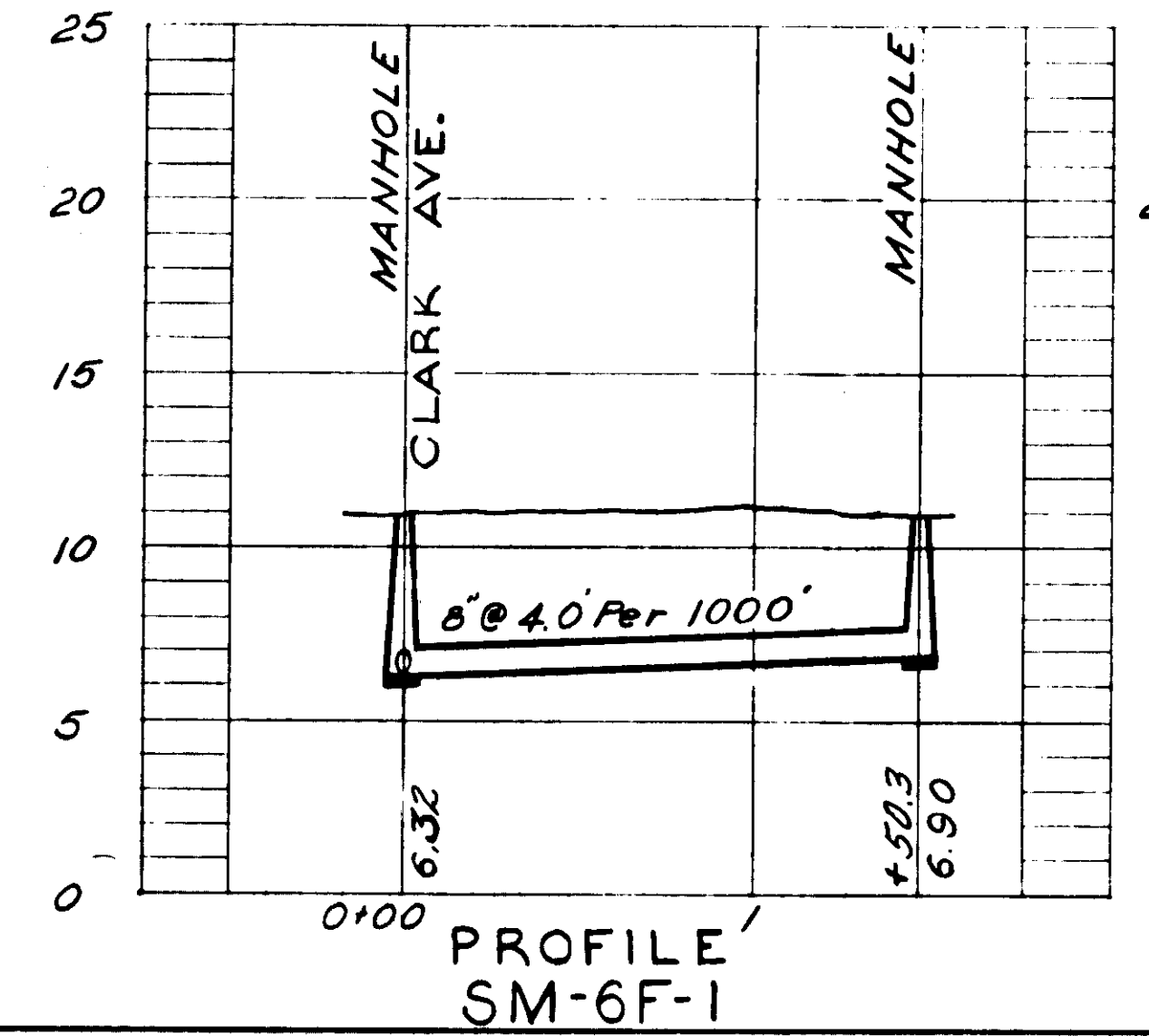
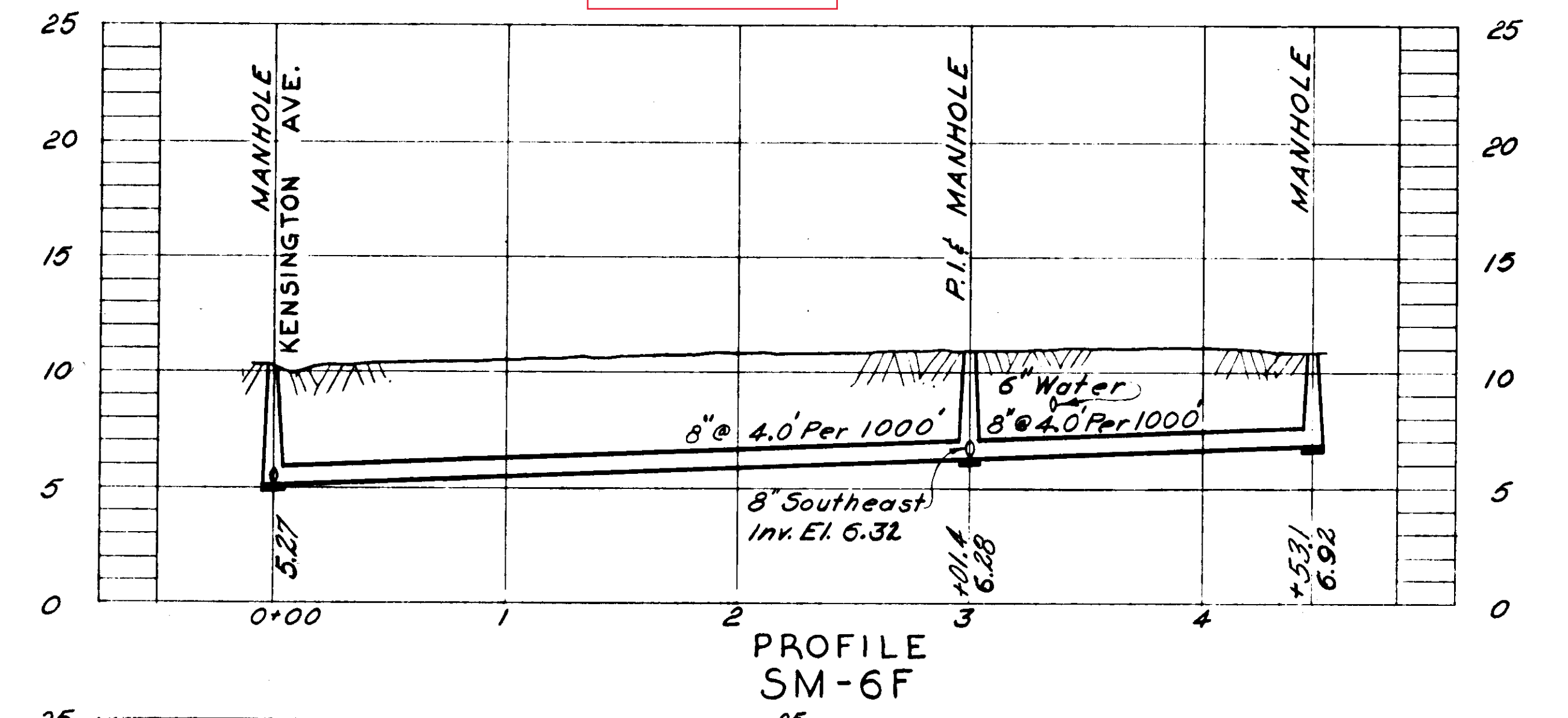
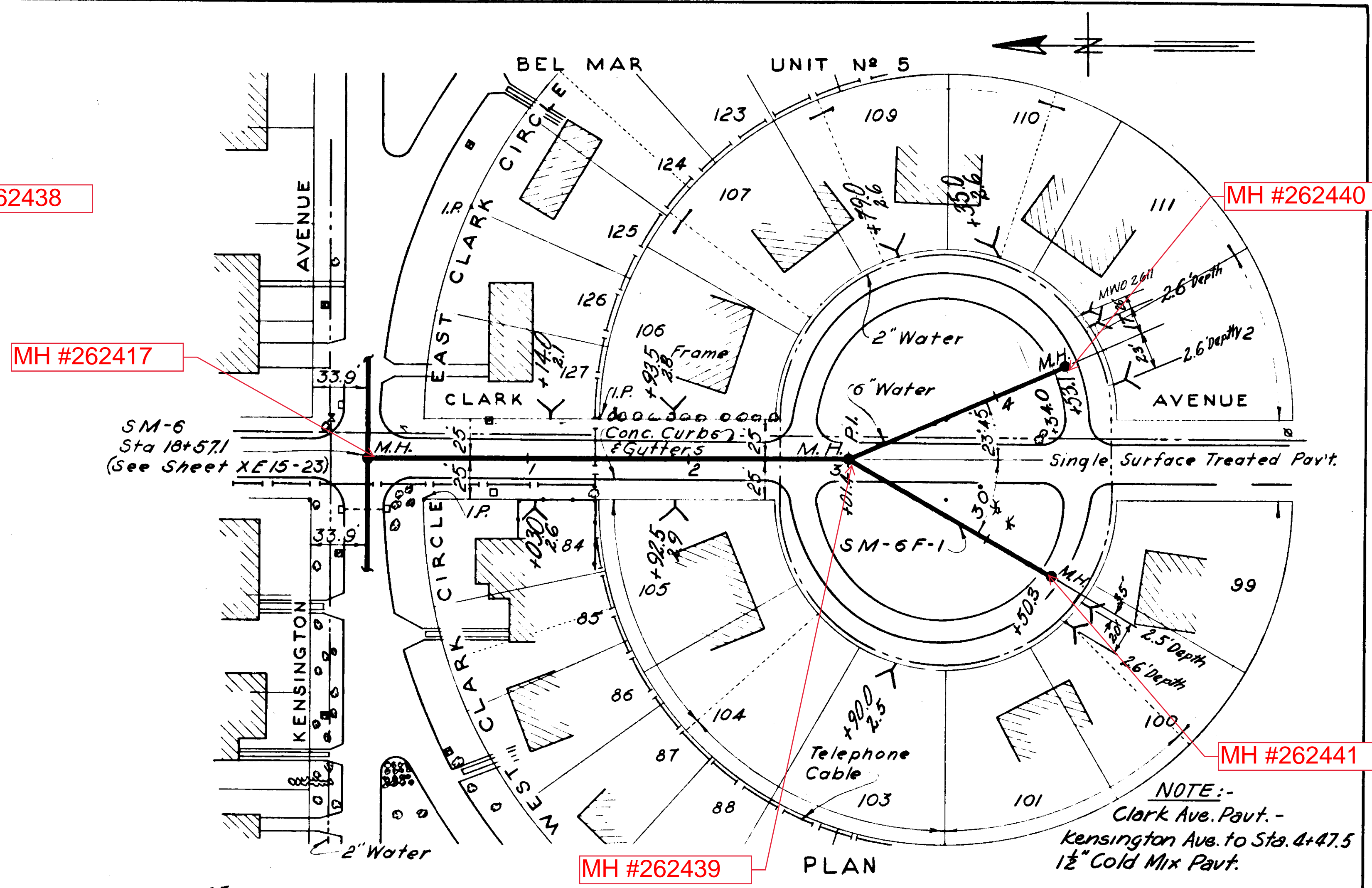
064-025



LEGEND-PROPERTY LINES
 Property lines as indicated by Hillsborough County Tax Records.
 Property lines as indicated by Subdivision Plat.

NOTES:
 1. All houses shown on this sheet are of concrete block construction unless otherwise noted.

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.



- AS-BUILT PLAN -
 Revised to show actual conditions according to construction record as of (A.F.L. 7-13-56)

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE 15

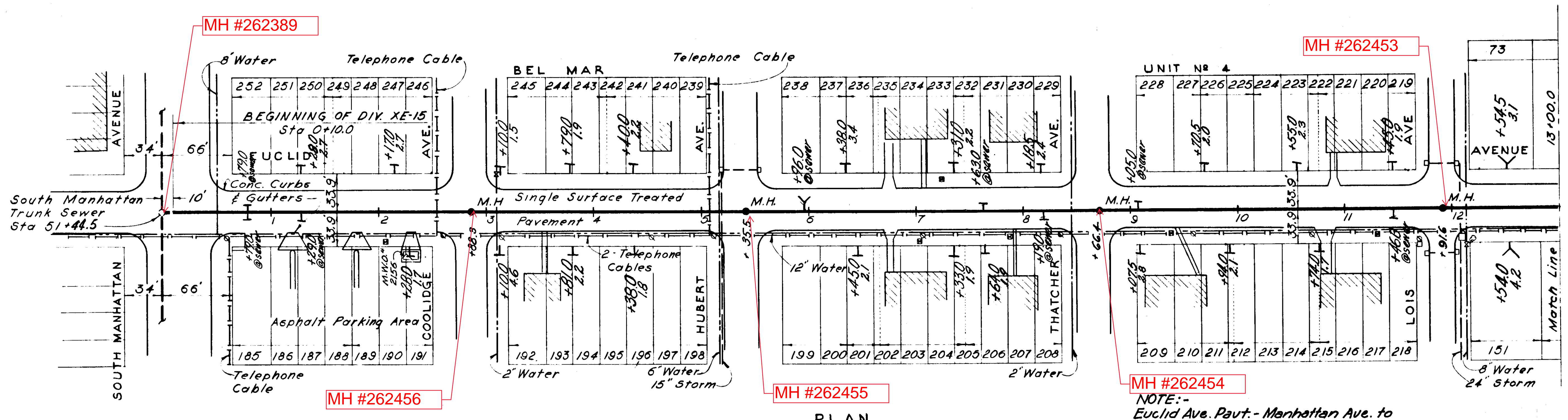
SM-6F, SM-6F-1 & SM-6G

DES. W. M.
 DR. W. M.
 CKD. 267
 DATE: NOV. 1954

SCALE
 50 0 50 100
 1" = 50'

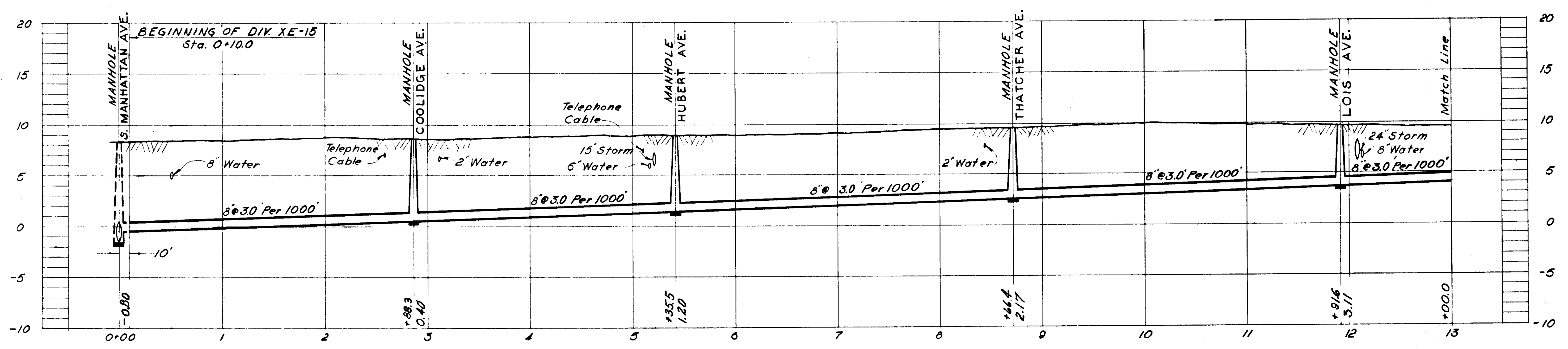
SHEET
 XE15-26
 OF 30

064-026



PLAN

MH #262454
 NOTE:-
 Euclid Ave. Part - Manhattan Ave. to
 Sta. 13+00.0 replaced with 1 1/2" Cold Mix
 Pavt.



PROFILE
SM - 7

NOTES:
 1. All houses shown on this sheet are of
 concrete block construction.

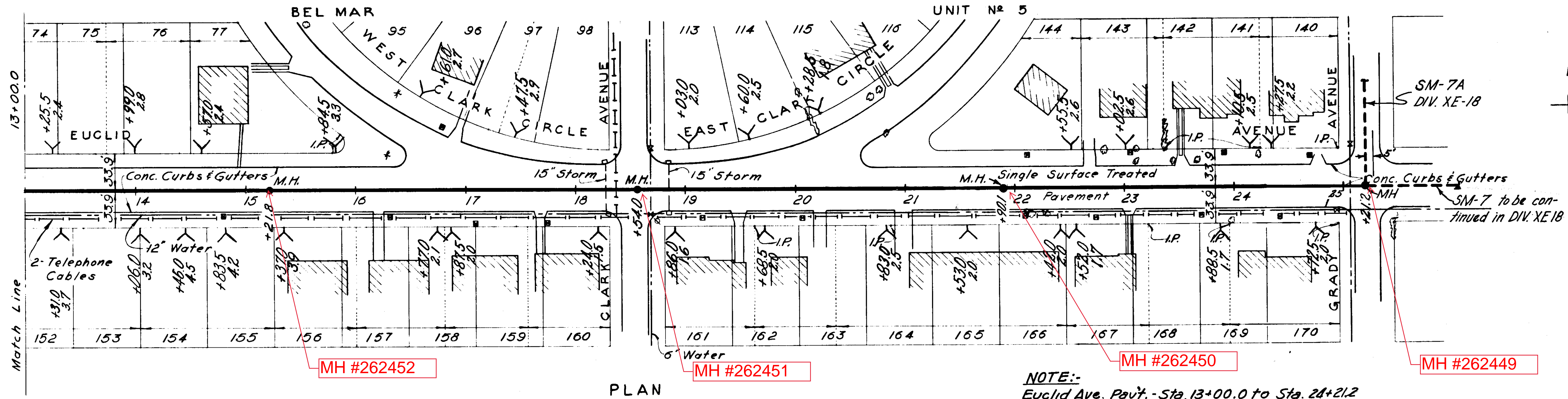
LEGEND PROPERTY LINES
 - - - - - Property lines as indicated by
 Hillsborough County Tax Records.
 ——— Property lines as indicated by
 Subdivision Plat.

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION XE15	
SM-7 STA. 0+10.0 TO STA. 13+00	
DES. W.M. DR. W.M. CKD. E.Z.T. DATE: NOV. 1954	SCALE 50 0 50 100 1" = 50'
SHEET XE15-27 OF 30	

AS-BUILT PLAN
 Revised to show actual conditions according
 to construction record as of
 G.M.D. (6-18-56)

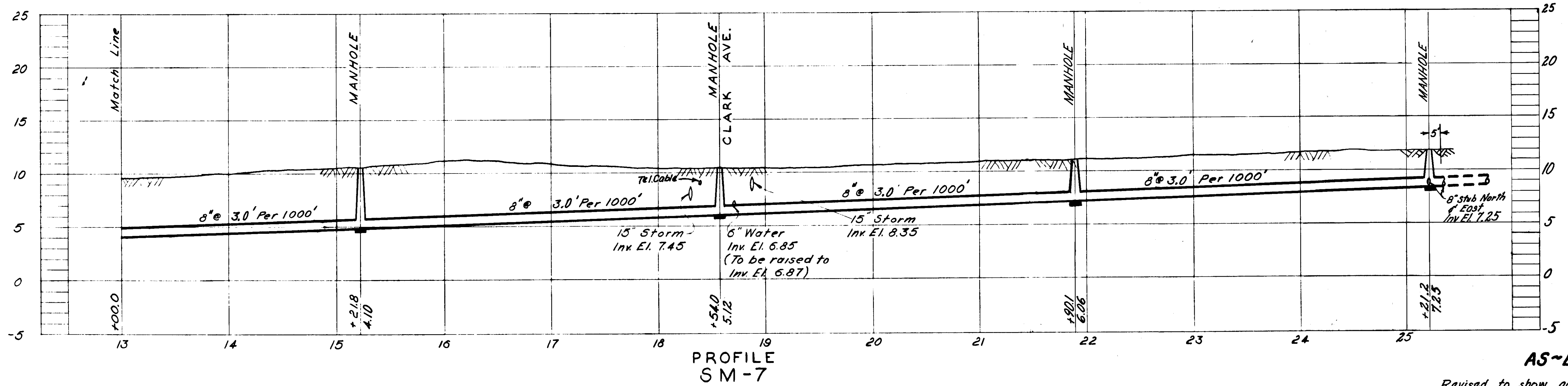
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

064-027



PLAN

NOTE:
Euclid Ave. Pavt. - Sta. 13+00.0 to Sta. 24+21.2 replaced with 1 1/2" Cold Mix Pavt.



PROFILE
SM-7

AS-BUILT PLAN

Revised to show actual conditions according to construction record as of G.M.D. (6-19-56)

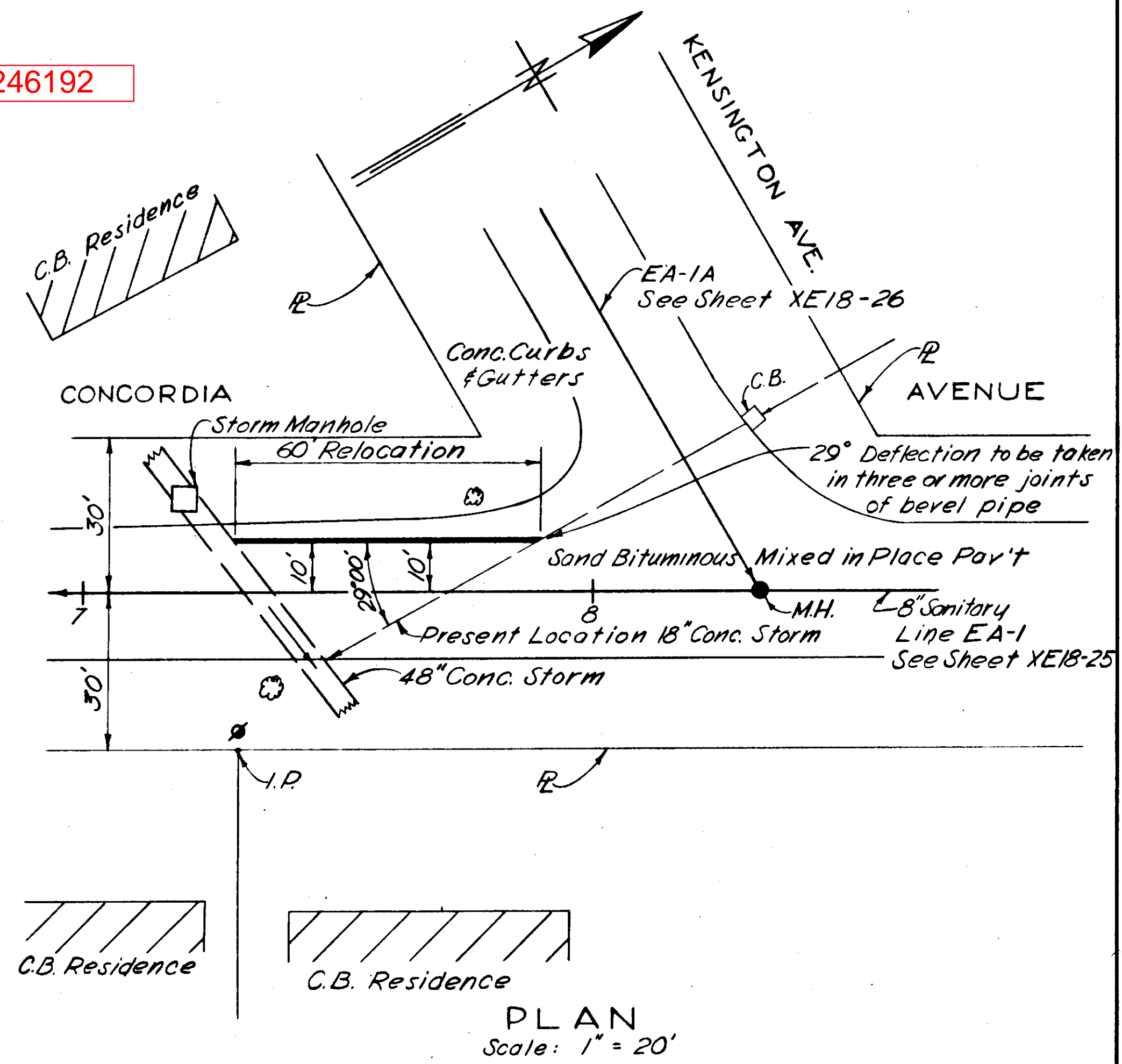
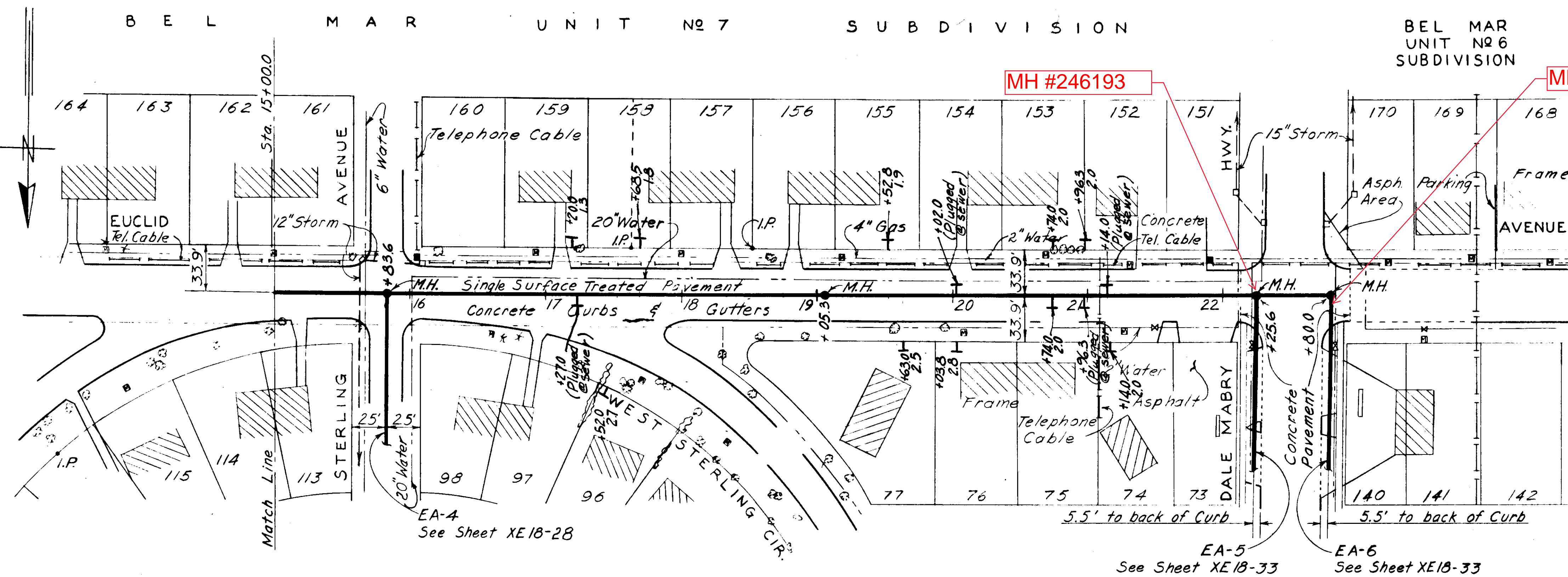
LEGEND PROPERTY LINES
 Property lines as indicated by Hillsborough County Tax Records.
 ——— Property lines as indicated by Subdivision Plat.

NOTES:
 1. All houses shown on this sheet are of concrete block construction.

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE15		
SM-7 STA. 13+00 TO STA. 25+25.2		
DES. W. M. DR. W. M. CKD. G.R.T. DATE: NOV. 1954	SCALE 0 50 100 1" = 50'	SHEET XE15-28 OF 30

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

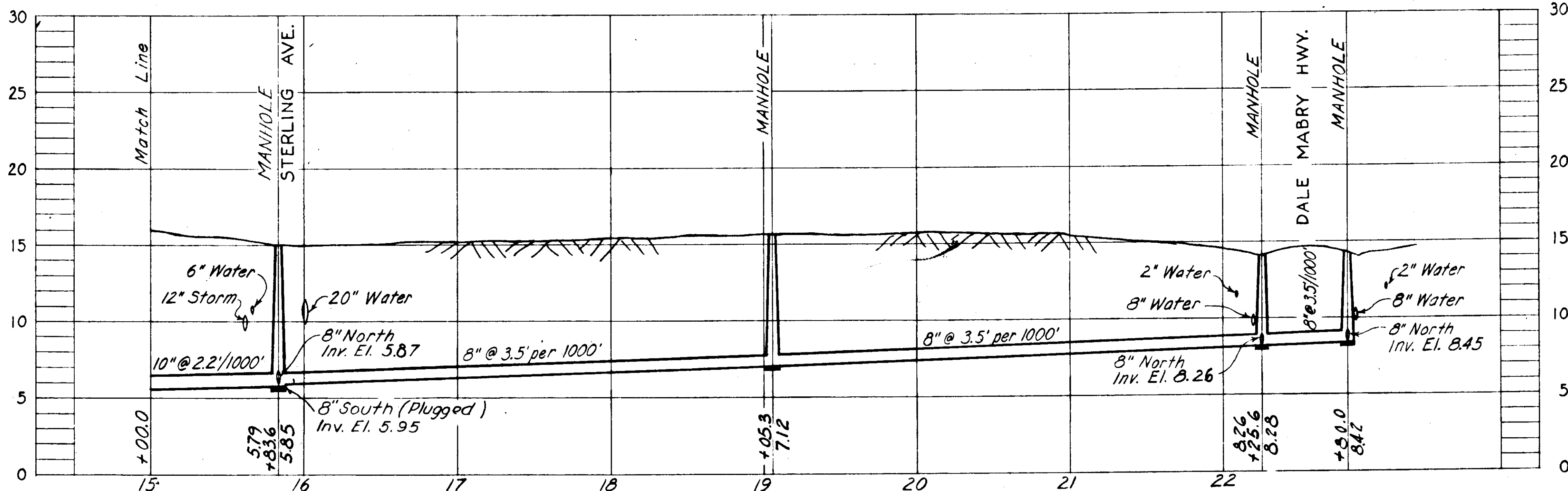
064-028



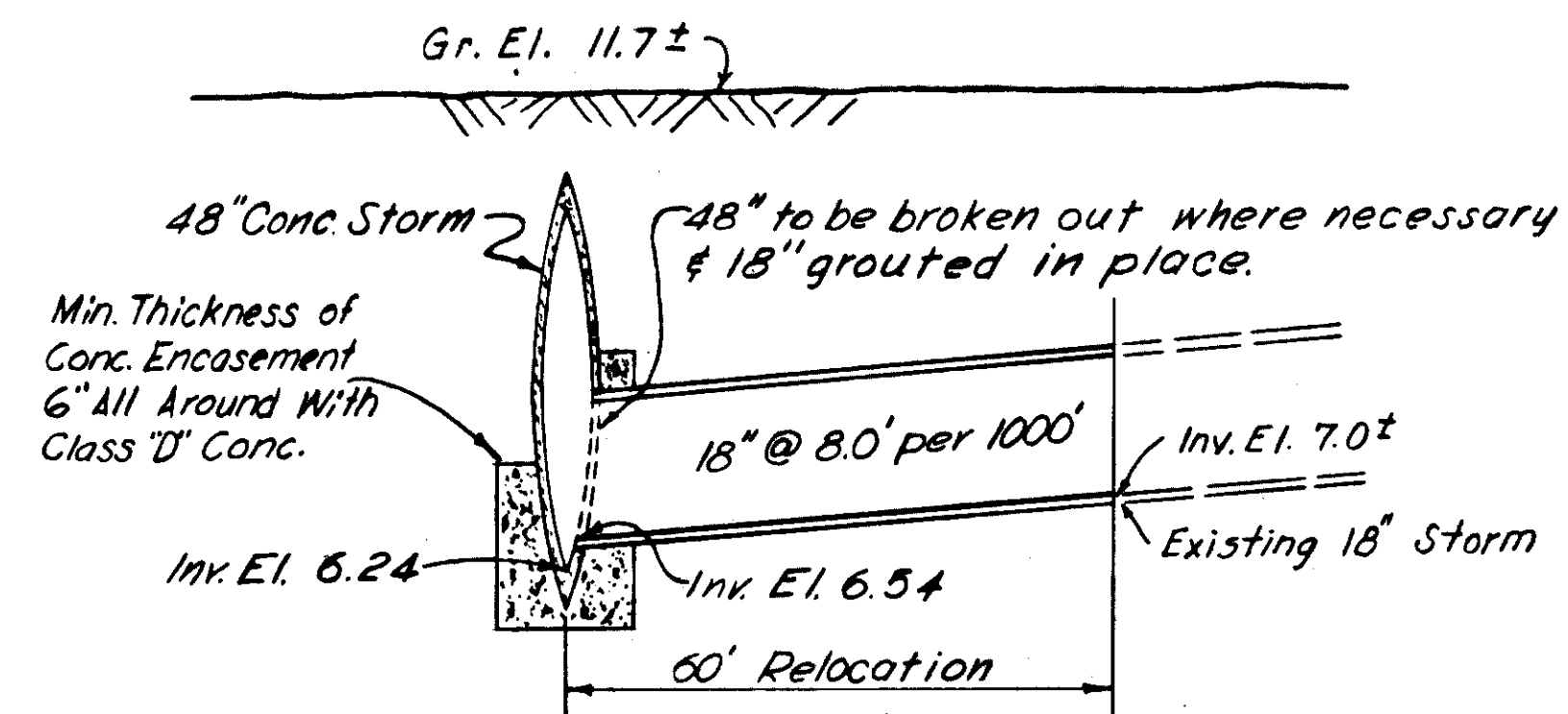
Notes (Pavement Replacement)
 Sta. 15+00.0 to Sta. 21+53.0 replaced with 1 1/2\"/>

PLAN

PLAN
 Scale: 1" = 20'

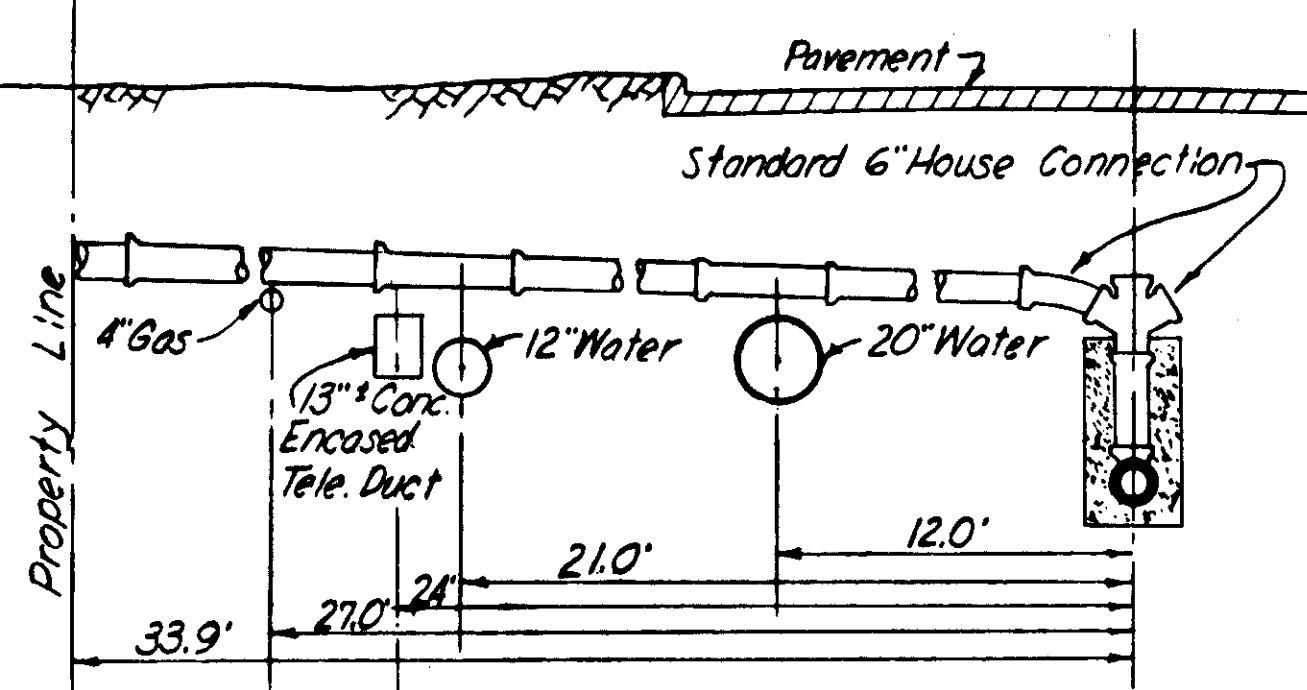


PROFILE
 EA



PROFILE
 STORM SEWER RELOCATION DETAIL
 Vertical Scale: 1/2" = 1'
 EA-1

NOTE:
 From Sta. 10+00 to Sta. 15+00 the 4\"/>



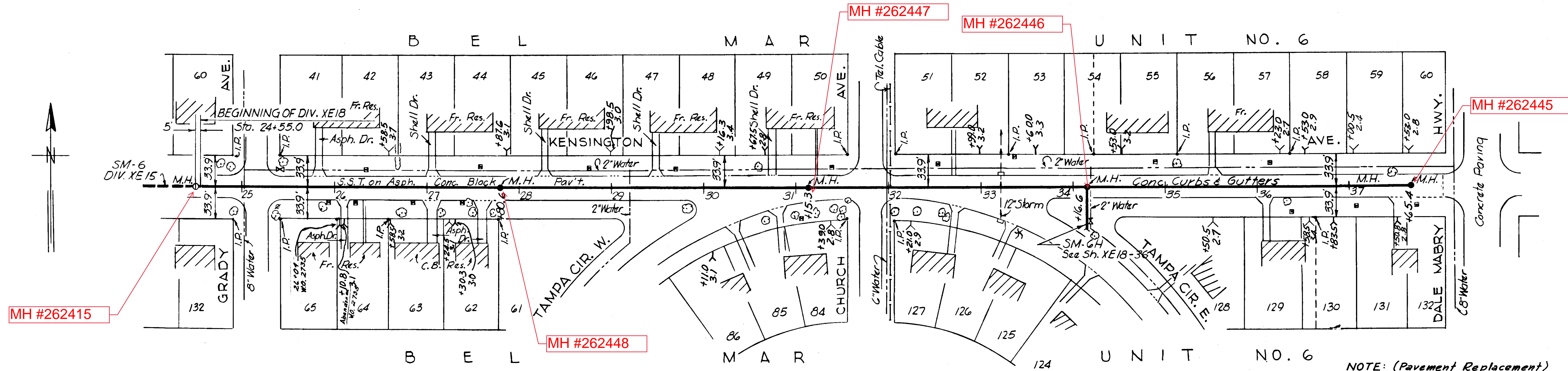
HOUSE CONNECTION DETAIL
 EA
 Sta. 10+00 to Sta. 22+00

NOTE:
 1. All houses shown on this sheet are of Concrete Block Construction except as otherwise noted.

- AS-BUILT PLAN -

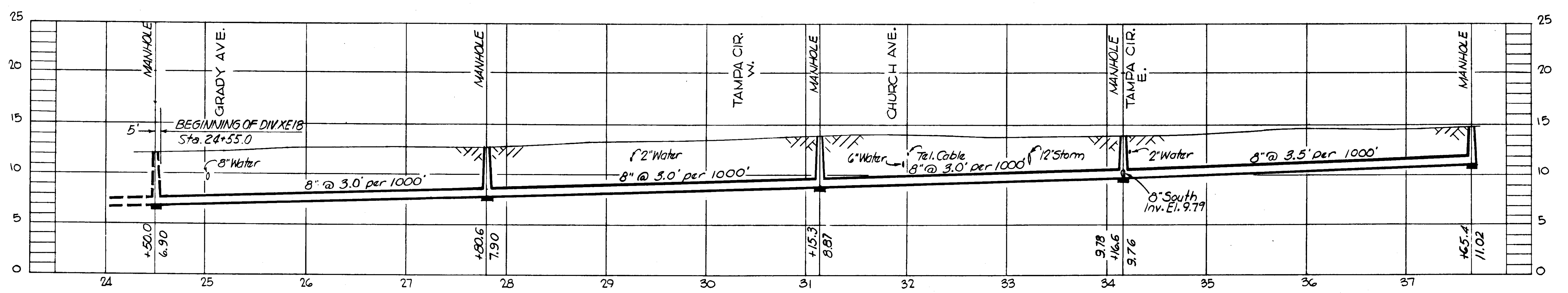
Revised to show actual conditions according to construction record as of May 23, 1956 (A.F.L. 11-2-56)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE18		
EA STA. 15+00 TO STA. 22+804 & STORM SEWER RELOCATION DETAIL		
DES. W.M.M. DR. G.A.O. CHKD. R.E.F. DATE: JULY 1955	SCALE 0 50 100 1" = 50'	SHEET XE18-24 OF 40



PLAN

NOTE: (Pavement Replacement)
Sta. 24+50 to Sta. 37+66
Replaced with 1 1/2 Cold Mix
Pavement.



PROFILE
SM-6

NOTE: SM-6 From Sta. 0+00 to
Sta. 24+55.0 to be built under
Div. XE15

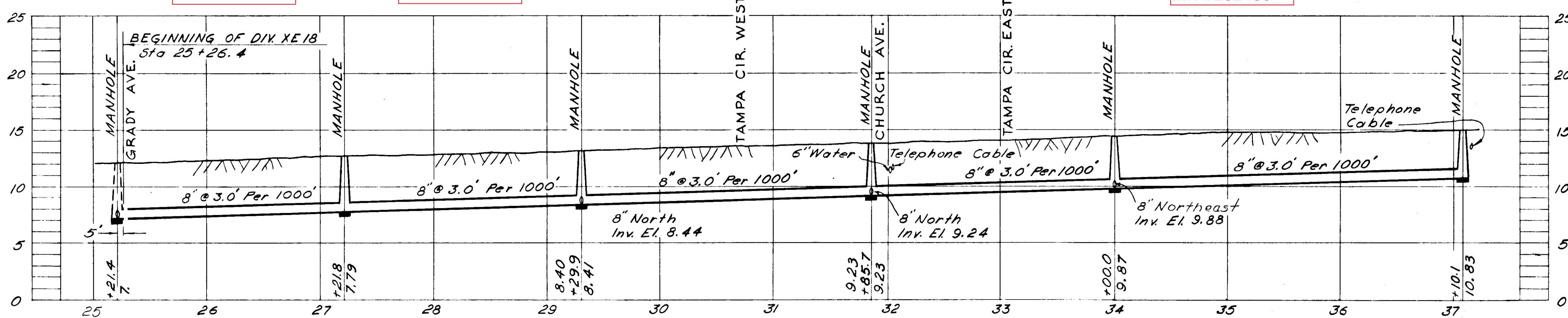
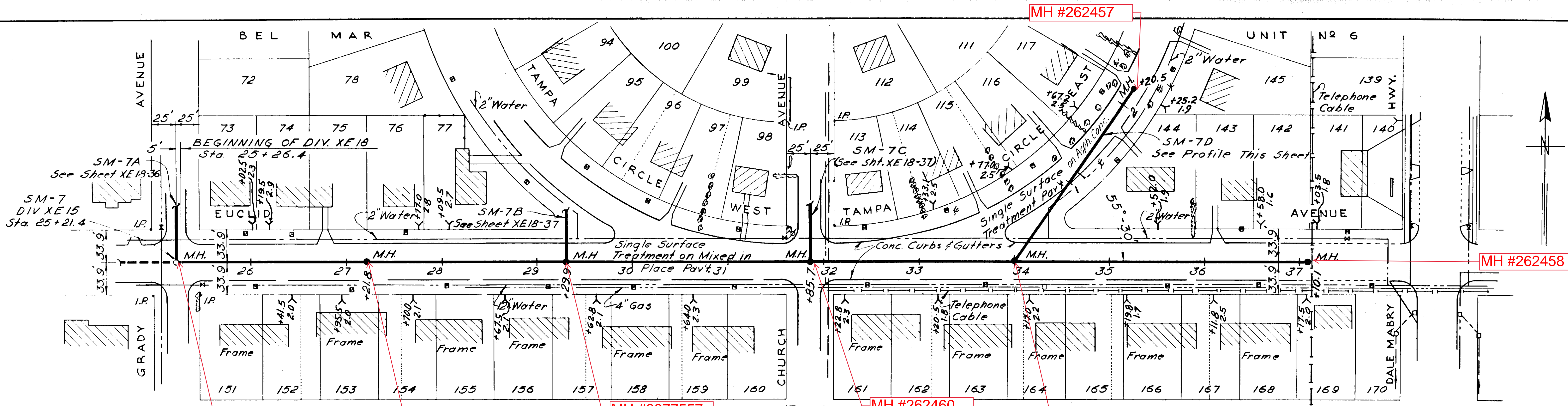
AS BUILT PLAN

NOTE: Revised to show actual conditions
according to construction records
as of 7-10-56 (J.M.R. 11-6-56)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE18		
SM-6 STA. 24+55.0 TO STA. 37+65.4		
DES. C.M.T. DR. C.M.T. CKD. R.E.F. DATE: JUNE 1955	SCALE 0 50 100 1"=50'	SHEET XE18-34 OF 40

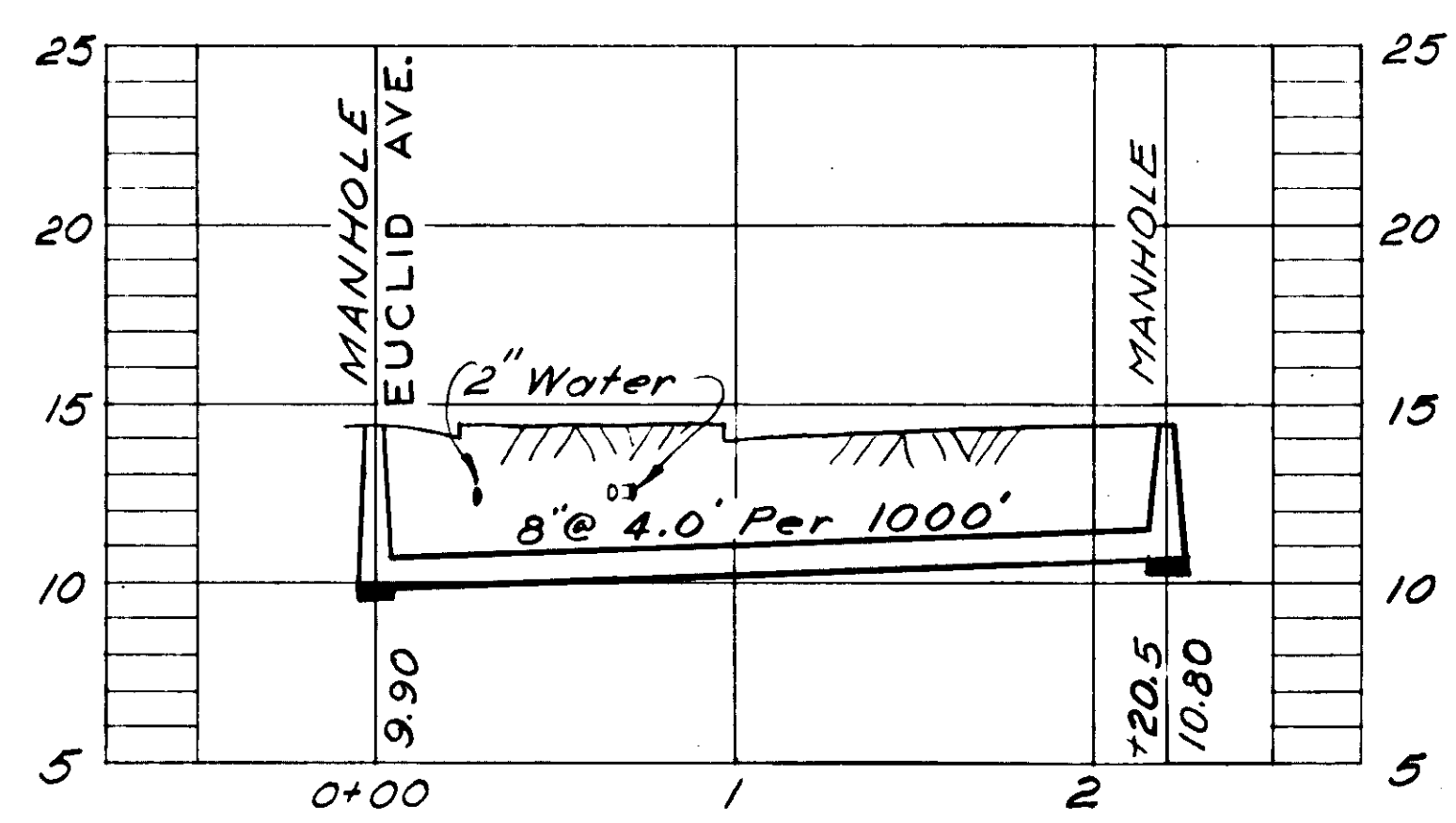
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

067-034



NOTE: (Pavement replacement)
 Sta. 25+21.4 to Sta. 37+10.1
 Replaced with 1/2 Cold Mix Pavement.
 Sta. 0+00 to Sta. 0+22
 Sta. 0+98 to Sta. 2+20
 Replaced with 1/2 Cold Mix Pavement.

LEGEND - PROPERTY LINES
 Property Lines as Indicated by Hillsborough County Tax Records
 ——— Property Lines as Indicated by Subdivision Plat.



PROFILE SM-7D

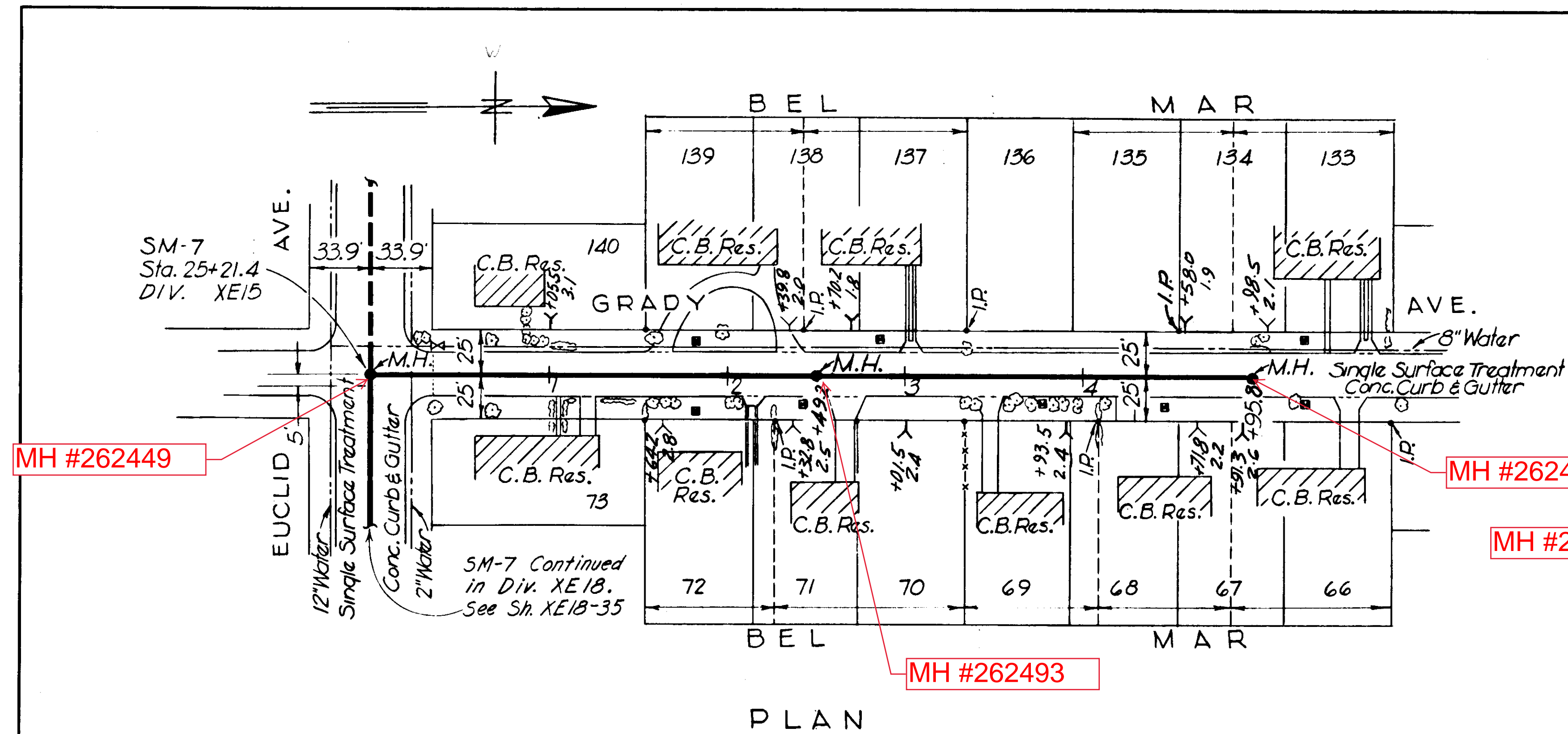
NOTE
 1. All houses shown on this sheet are of concrete block construction unless otherwise noted.
 2. SM-7 from Sta. 0+00 to Sta. 25+26.4 to be built under Div. XE15.

AS BUILT PLAN
 Revised to show actual conditions according to construction records as of 7-19-56. (J.M.R. 11-6-56)

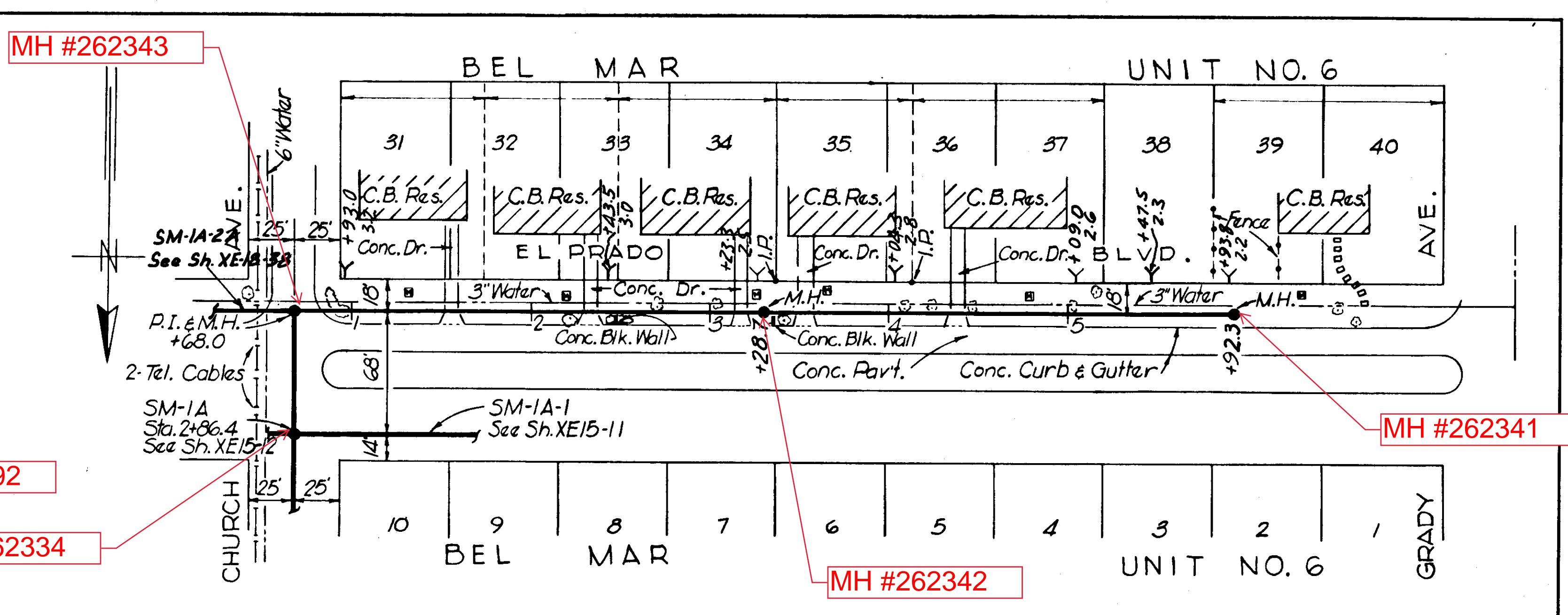
CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE18		
SM-7 STA. 25+26.4 TO STA. 37+08.0, & SM-7D		
DES. W.M.M. DR. W.M.M. CKD. R.E.F. DATE: JUNE 1955	SCALE 50 0 50 100 1"=50'	SHEET XE18-35 OF 40

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

067-035



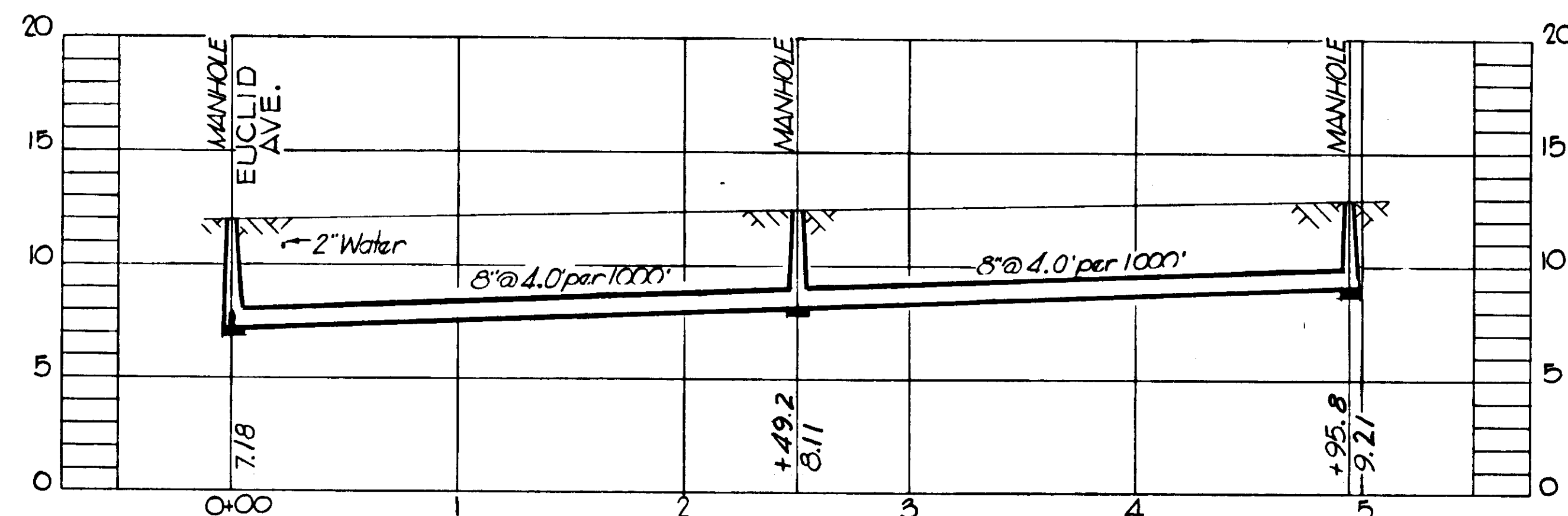
PLAN



PLAN

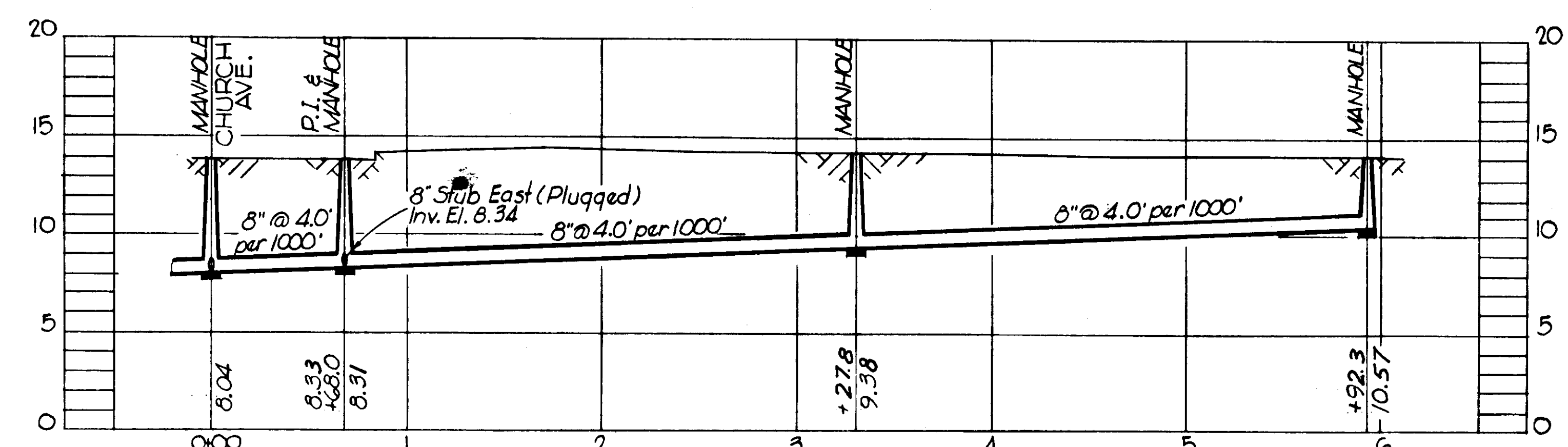
NOTE: (Pavement Replacement)
 Sta. 0+00 to Sta. 0+10 & Sta. 0+62 to Sta. 0+77 replaced with Cold Mix Pavement. Sta. 0+10 to Sta. 0+62 Replaced with Concrete Pavement.

NOTE:
 Contractor to protect or remove and replace all shrubs and trees in parkway area.

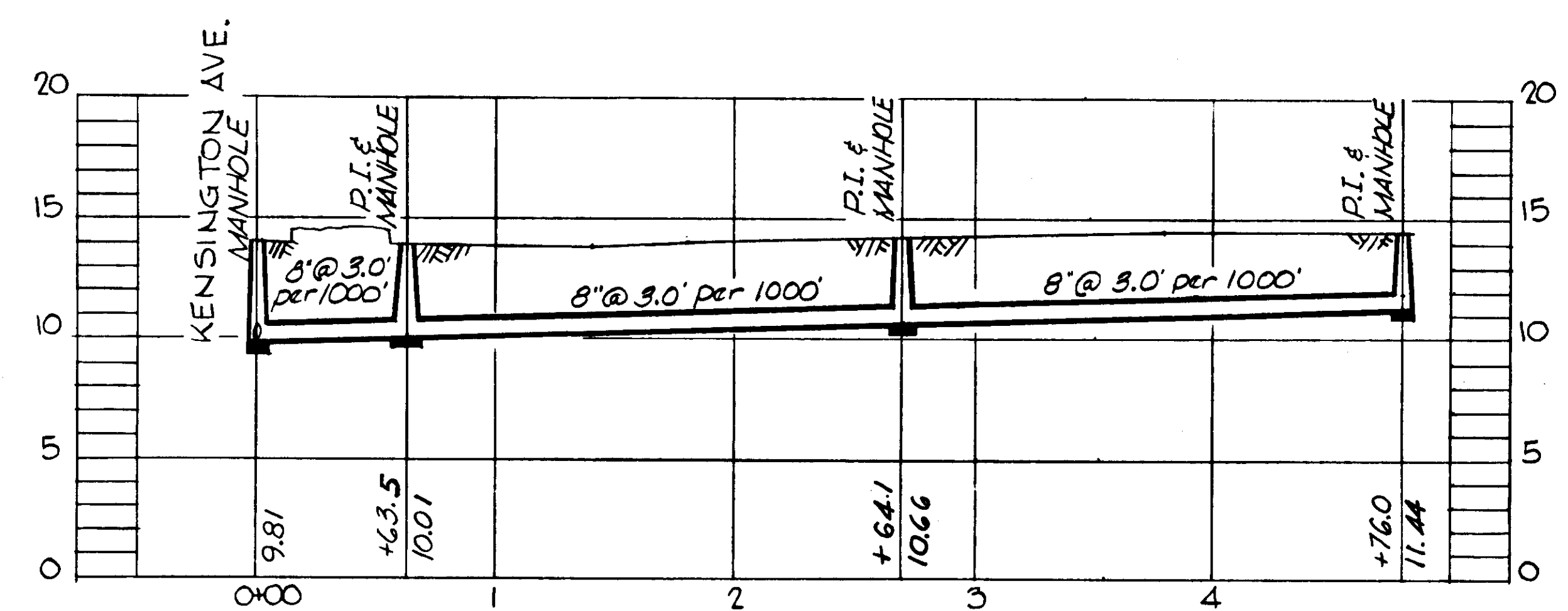


PROFILE SM-7A

NOTE: (Pavement Replacement)
 Sta. 0+00 to Sta. 4+95 Replaced with 1/2 Cold Mix Pavement.



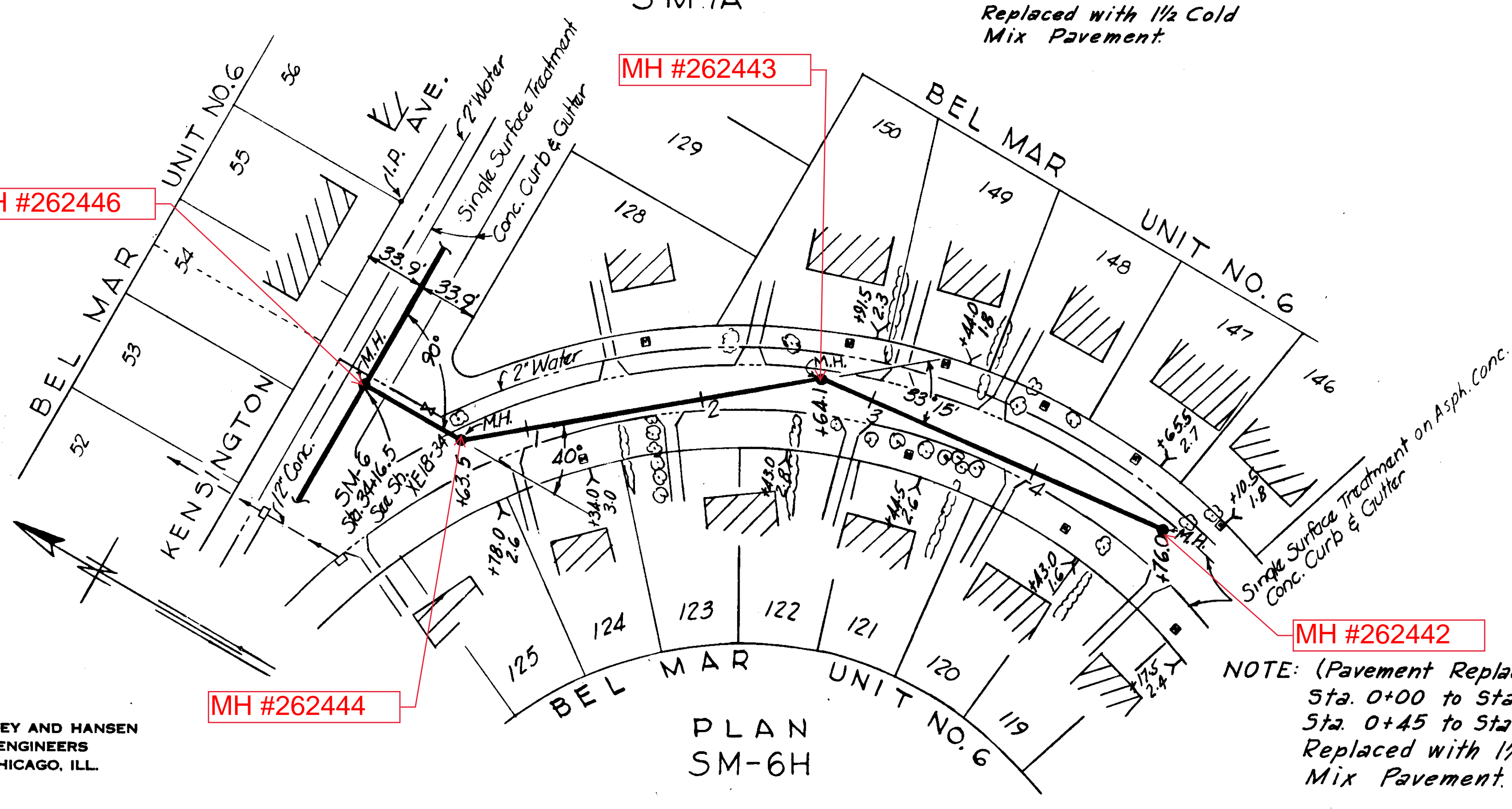
PROFILE SM-IA-2



PROFILE SM-6H

AS BUILT PLAN

Revised to show actual conditions according to construction records as of 7-6-56. (J.M.R. 11-7-56)



PLAN SM-6H

NOTE: (Pavement Replacement)
 Sta. 0+00 to Sta. 0+12 Sta. 0+45 to Sta. 4+80 Replaced with 1/2 Cold Mix Pavement.

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE18

SM-6H, SM-7A & SM-IA-2

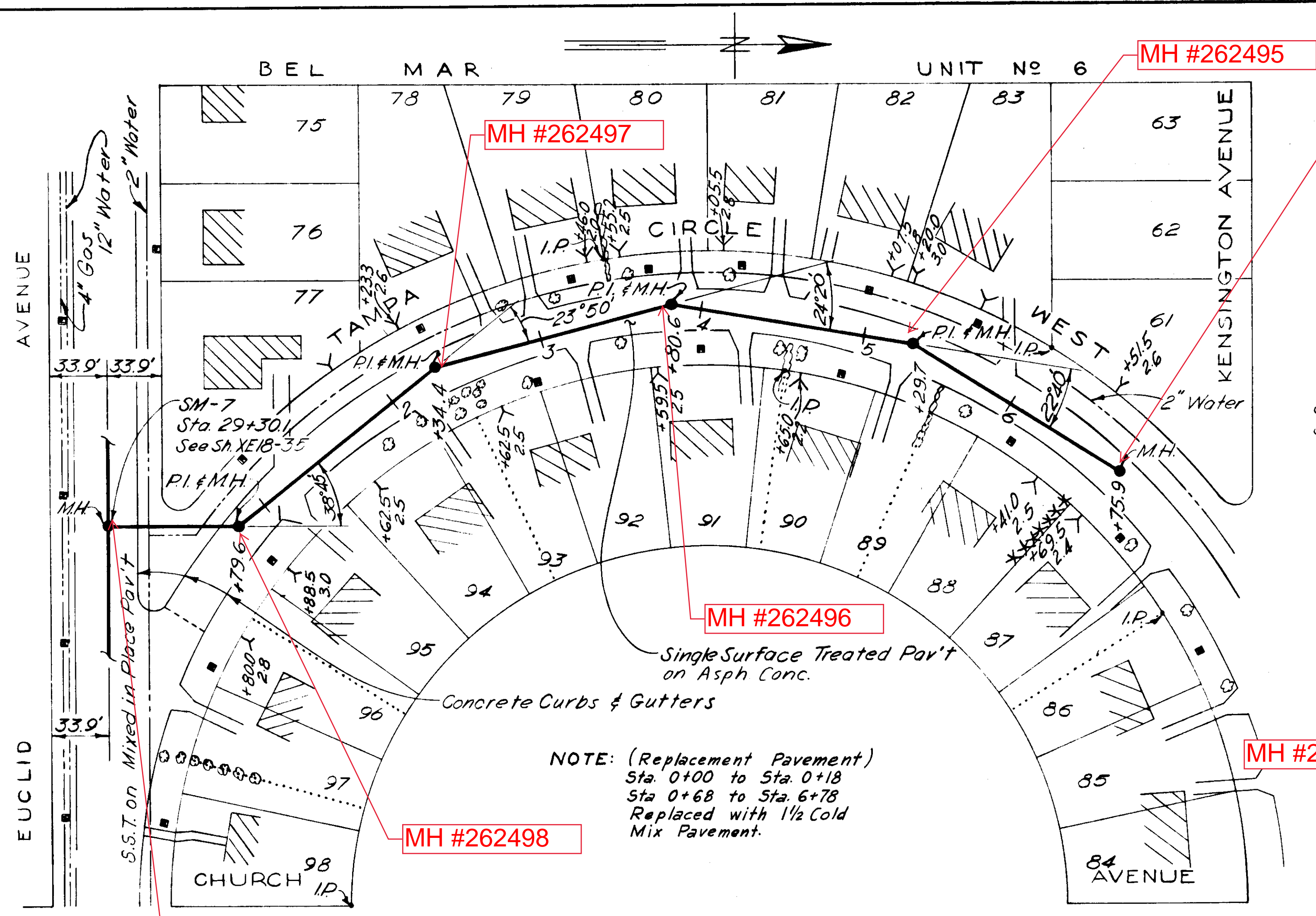
DES. C.M.T.
 DR. C.M.T.
 CKD. R.E.F.
 DATE: JUNE 1955

SCALE
 1" = 50'

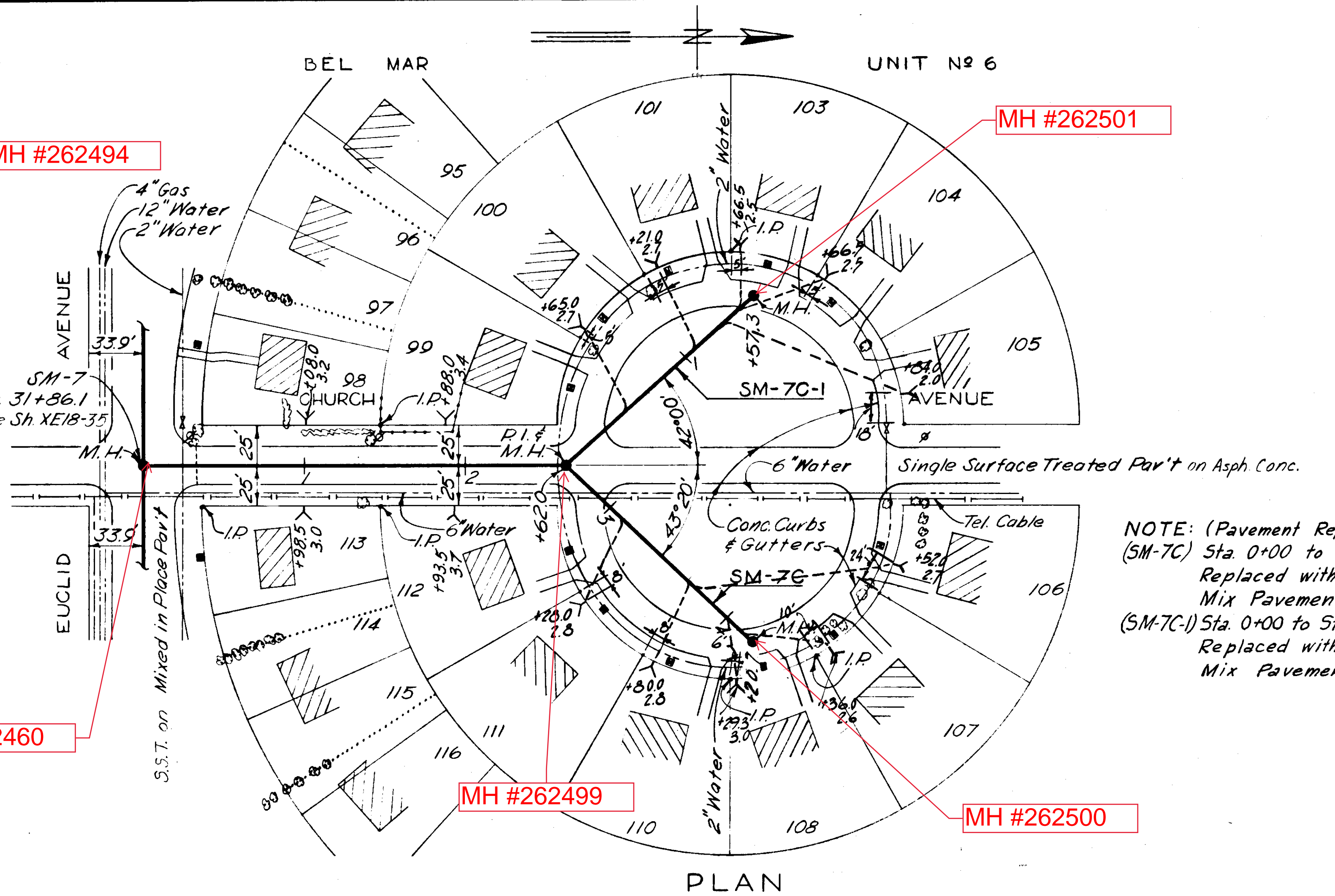
SHEET
 XE18-36
 OF 40

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

067-036

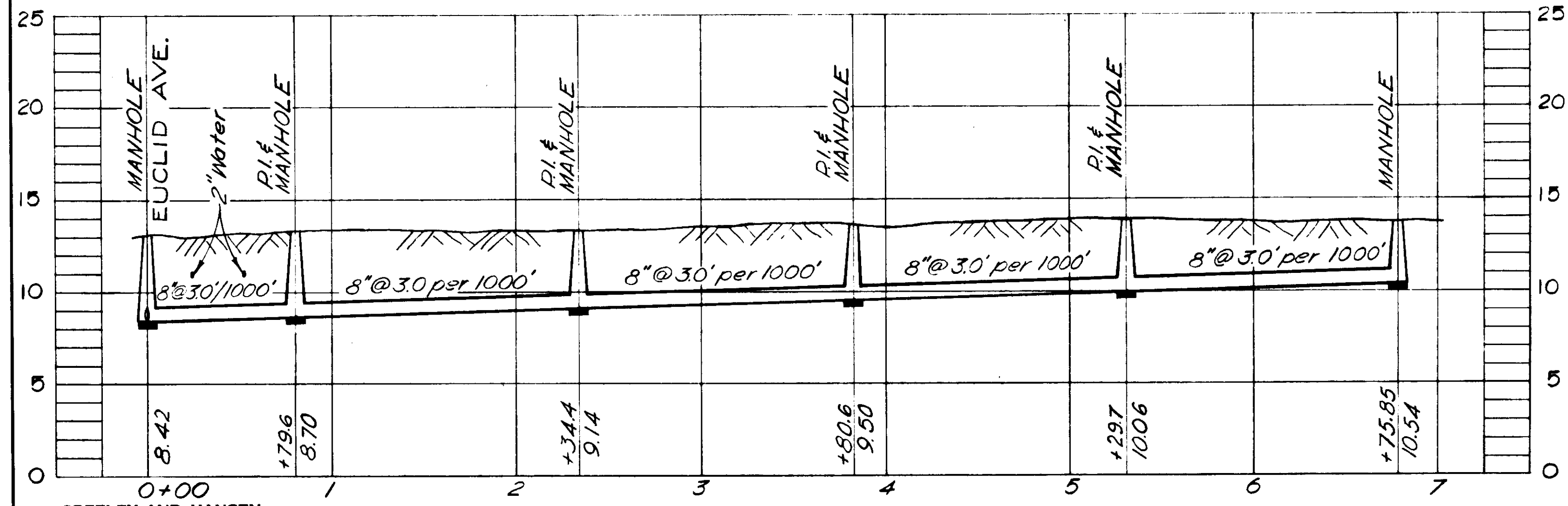


PLAN

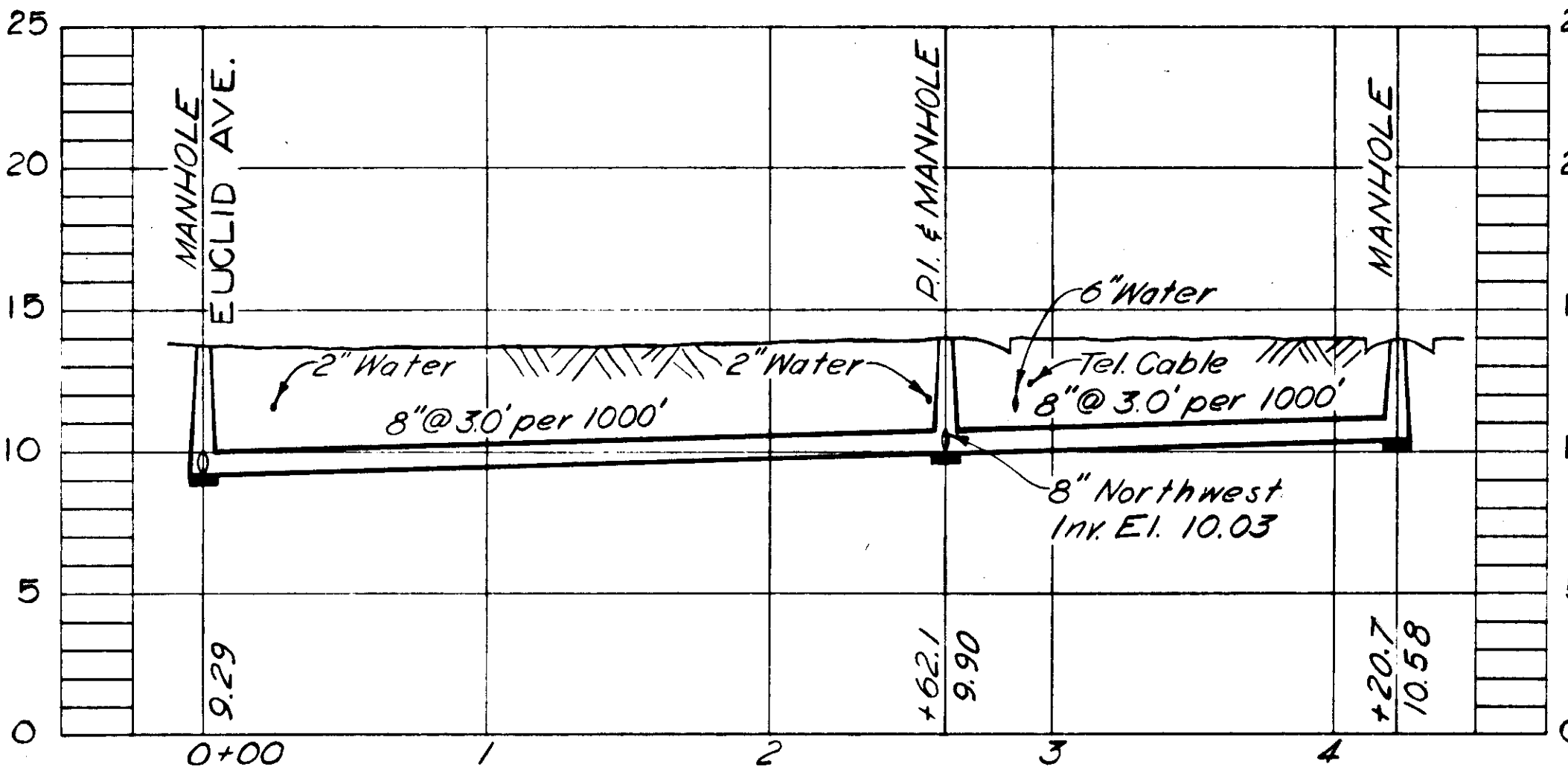


PLAN

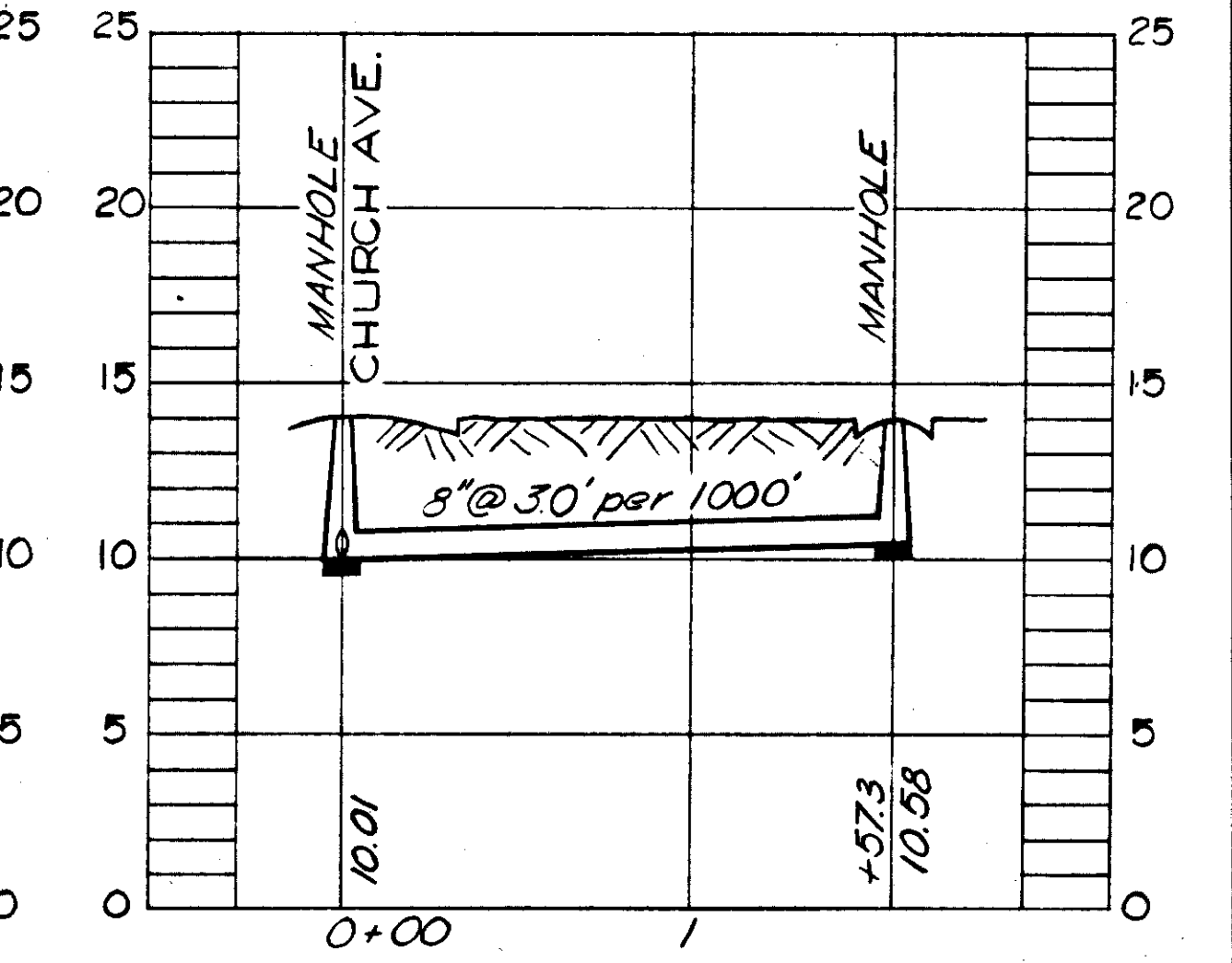
NOTE: (Pavement Replacement)
 (SM-7C) Sta. 0+00 to Sta. 3+05
 Replaced with 1/2 Cold Mix Pavement.
 (SM-7C-1) Sta. 0+00 to Sta. 0+43
 Replaced with 1/2 Cold Mix Pavement.



PROFILE SM-7B



PROFILE SM-7C



PROFILE SM-7C-1

NOTES:
 1. All houses shown on this sheet are of concrete block construction unless otherwise noted.

AS BUILT PLAN
 Revised to show actual conditions according to construction records as of 7-2-56. (J.M.R. 11-8-56)

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE18

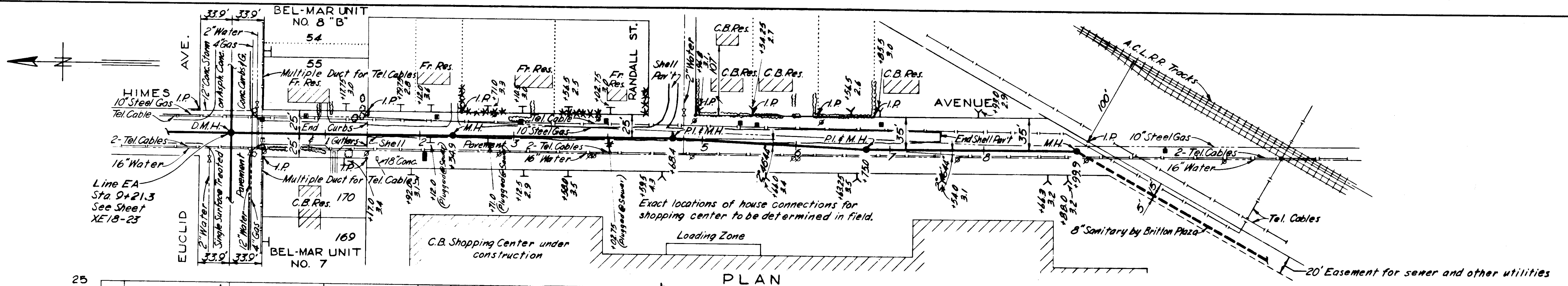
SM-7B, SM-7C & SM-7C-1

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

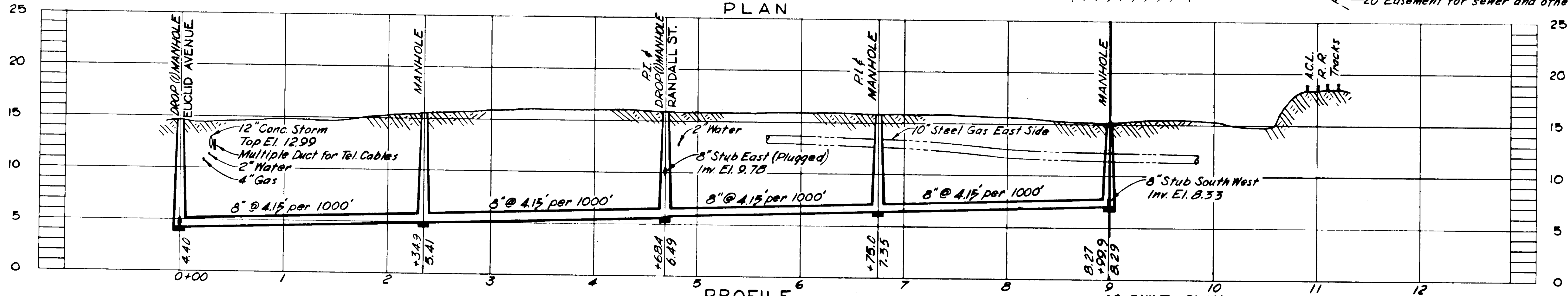
SCALE
 1" = 30'

SHEET
 XE18-37
 OF 40

067-037



PLAN

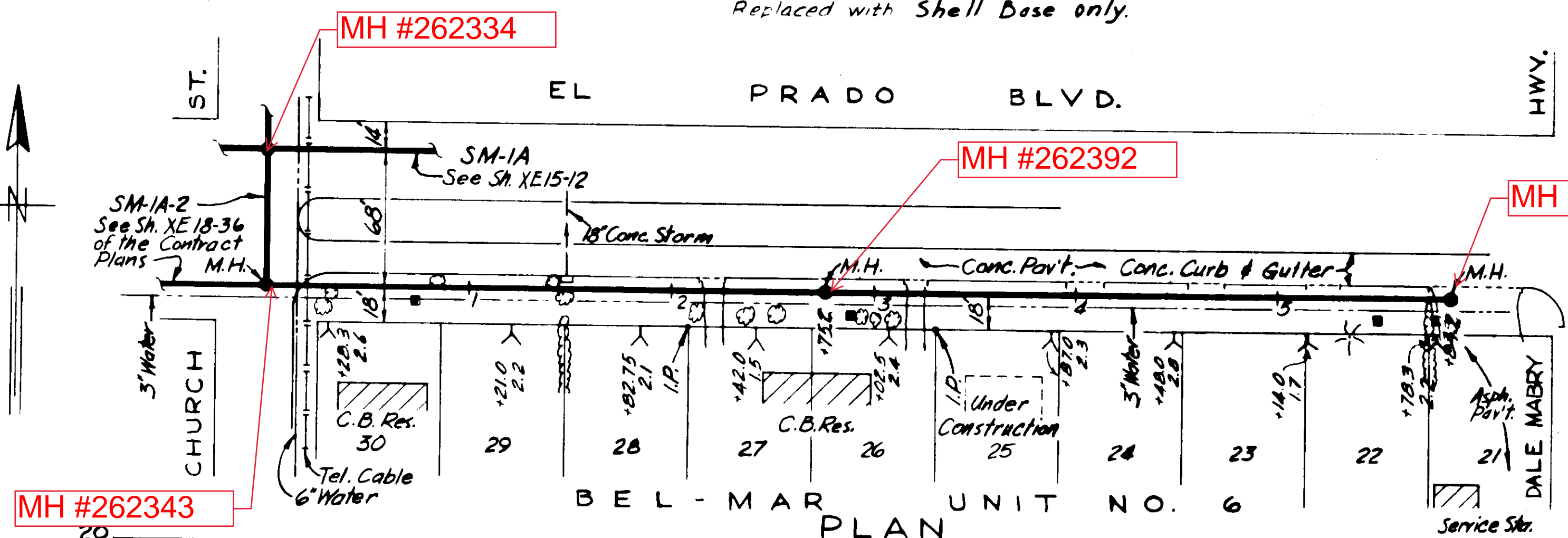


PROFILE EA-7

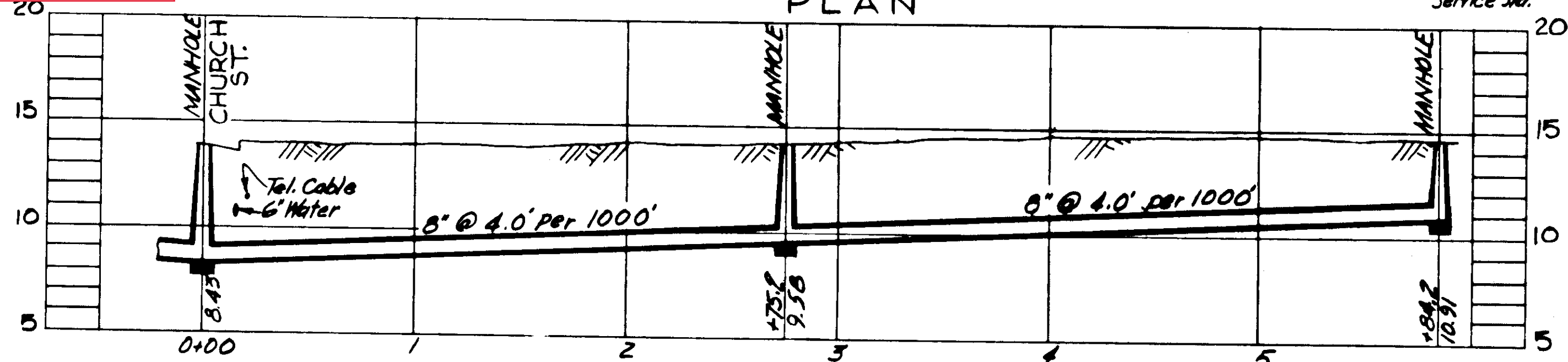
NOTES: (Pavement Replacement)
 Line SM-1A-2A - on Church Ave from sta 0+00 to 0+17
 Replaced with Asphalt Cold Mix
 Line EA-7 - on Himes Ave from sta 0+00 to 5+00
 Replaced with Shell Base only.

Revised to show actual conditions according to construction records as of June 24, 1956
 J.R.P. (Nov 8, 1951)

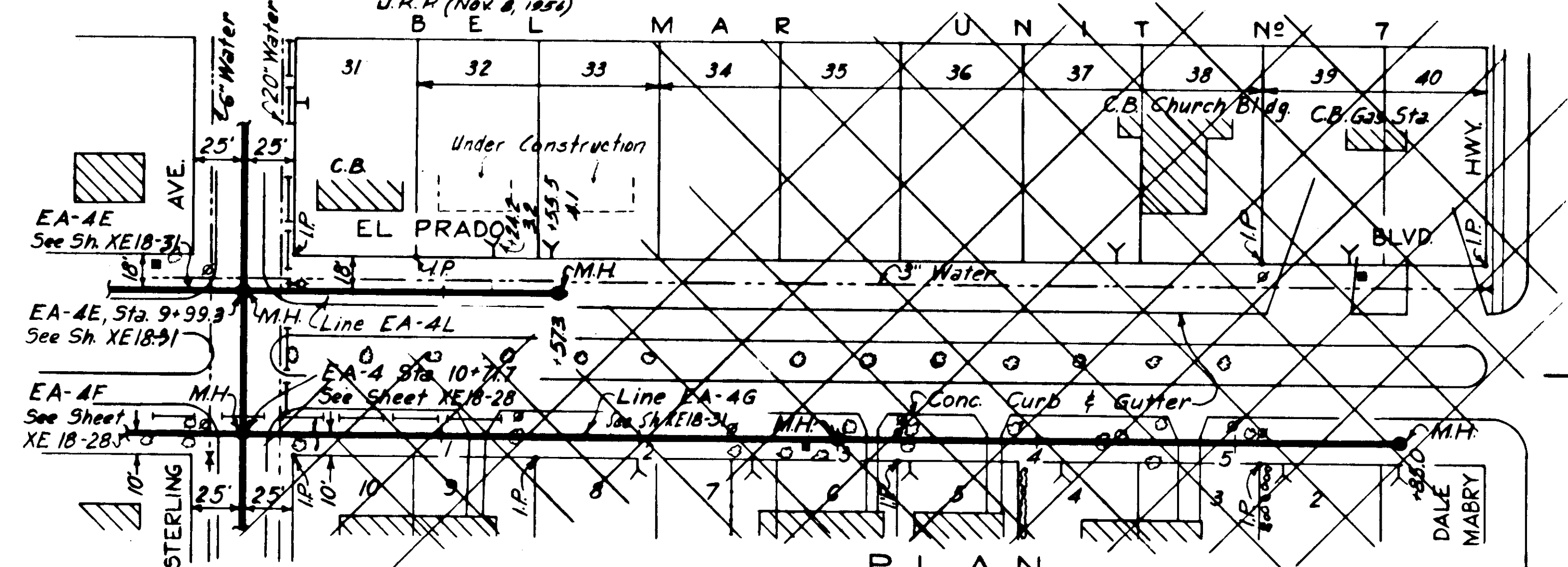
AS-BUILT PLAN



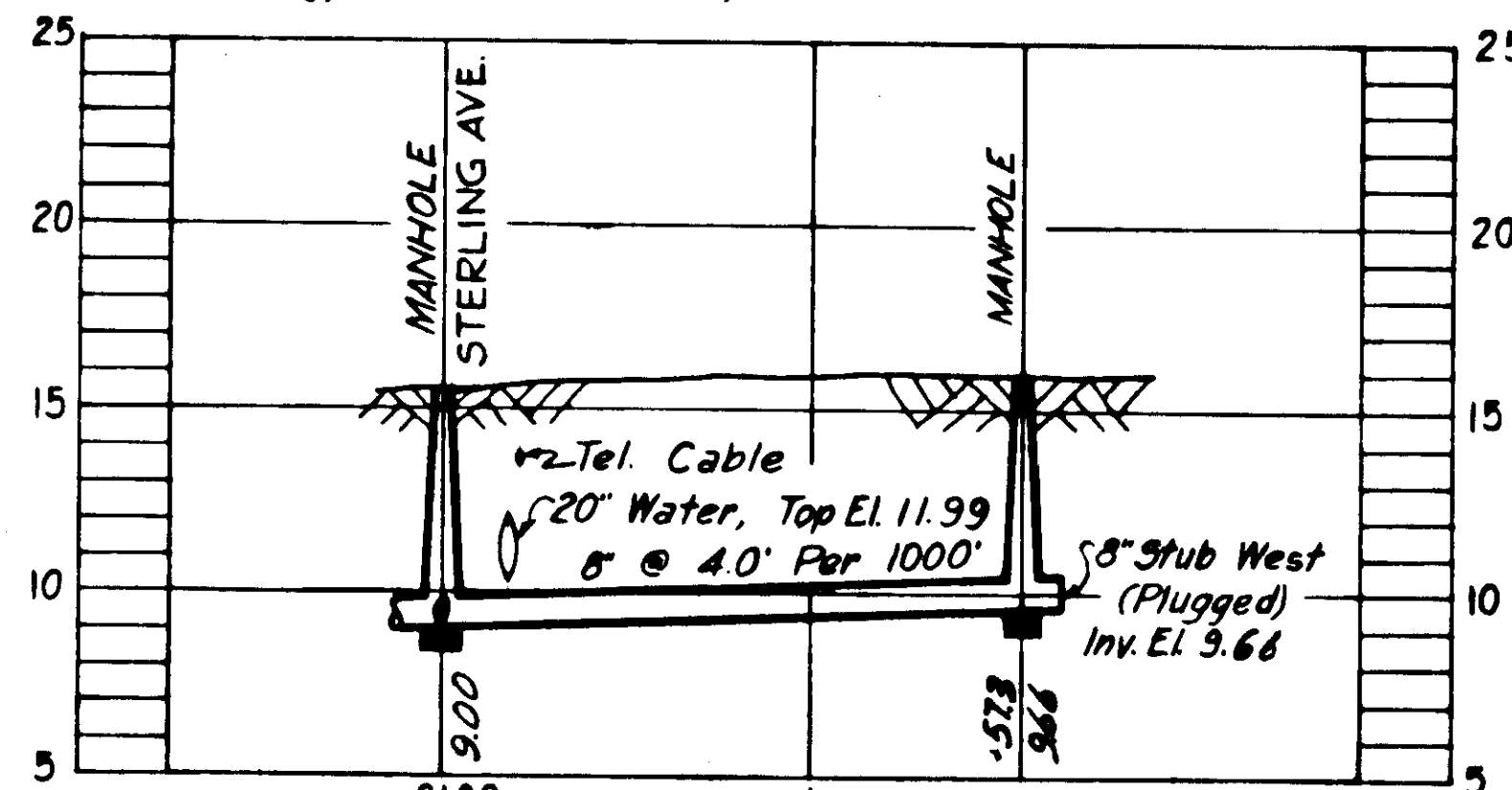
PLAN



PROFILE SM-1A-2A



PLAN



PROFILE EA-4L

NOTE: Line EA-4L - on Sterling
 From sta. 0+00 to 0+15
 Replaced with D.S. Treatment

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS

DIV. XE 18

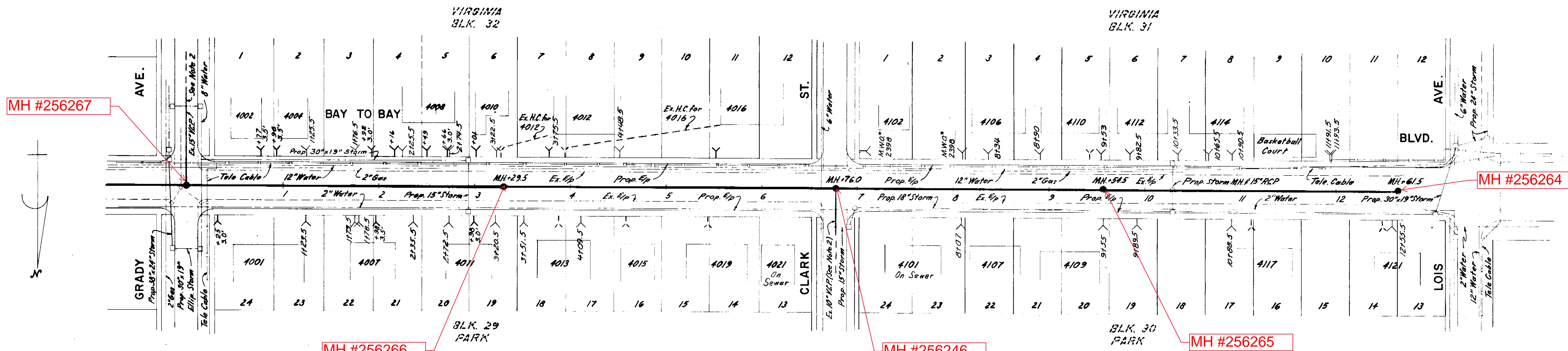
EA-7, SM-1A-2A & EA-4L

This Drawing in Accordance
 with XE-18-SD-1 & SD-2

DES. F.F.E. S.R. W.B.W. CKD.	SCALE 0 50 100 1"=50'	SHEET XE18-38 of 40
DATE:		

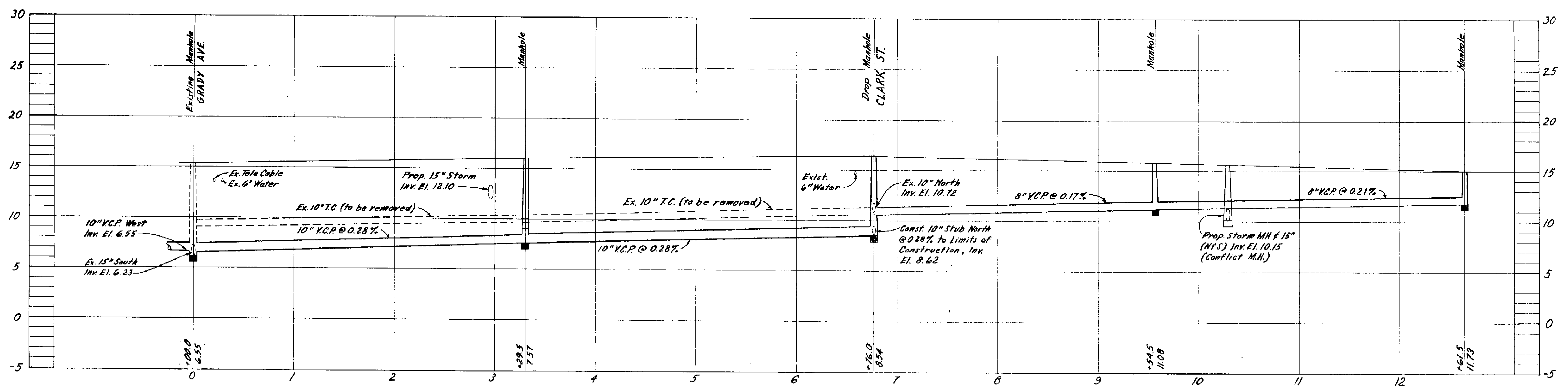
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

067-038



PLAN

NOTES:
 1. Exist. House Conn. (dashed) for Residences #4010, 4012, & 4016 to remain in service, but new House Conn. for above to be provided as shown (Y).
 2. Exist. 10" & 15" Laterals (NFS) to be extended to Const. Limits.



PROFILE

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

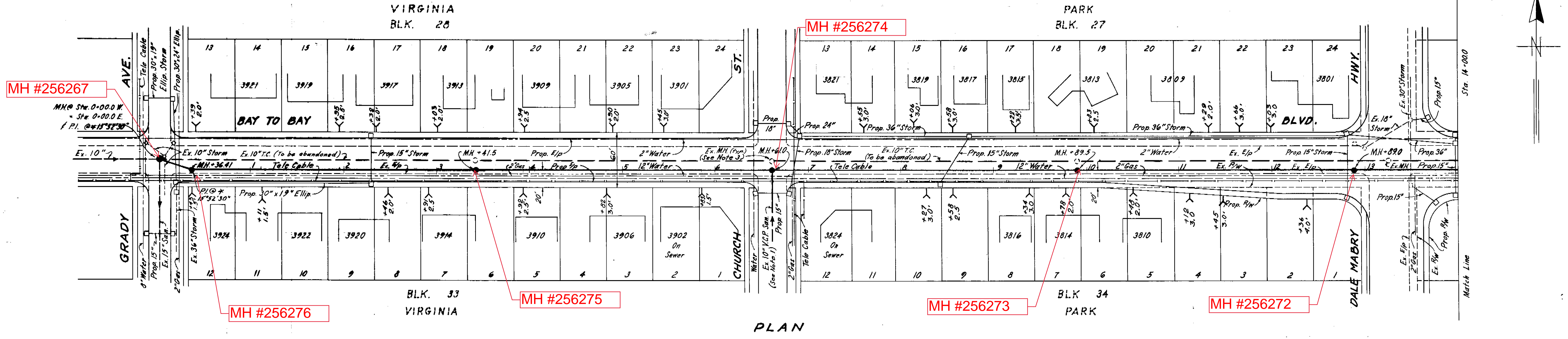
BAY to BAY BLVD.:
 GRADY AVE to LOUIS AVE.

APPROVED BY: *[Signature]*
 J.W. SILLIMAN, P.E., DIRECTOR
 DEPARTMENT of SANITARY SEWERS

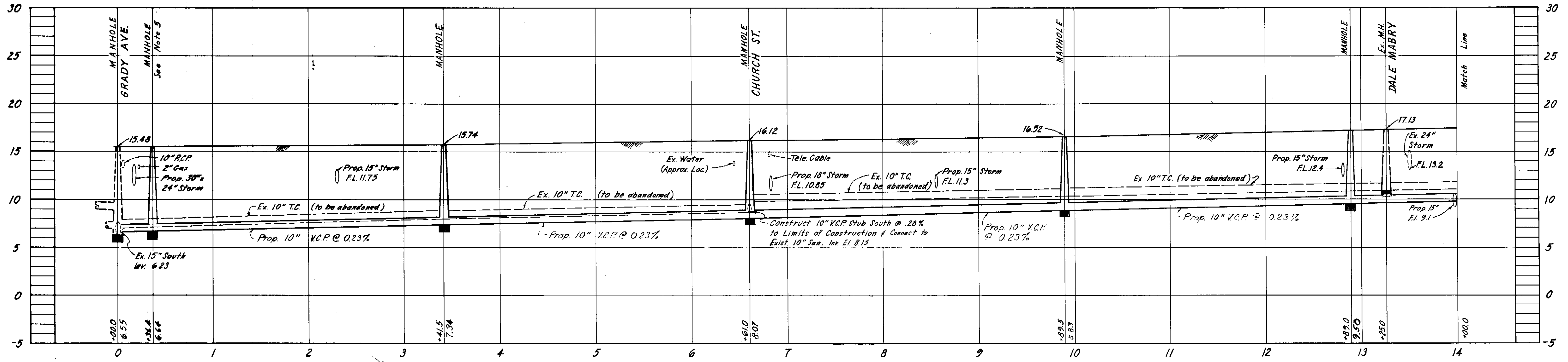
DES: J.M.R.
 DRN: R.G.H.
 CKD: E.G.S. & M.J.A.
 DATE: MAR. 1975

SCALE: 50 0 50 100

SHEET 1



PLAN



PROFILE
W.O. 2514

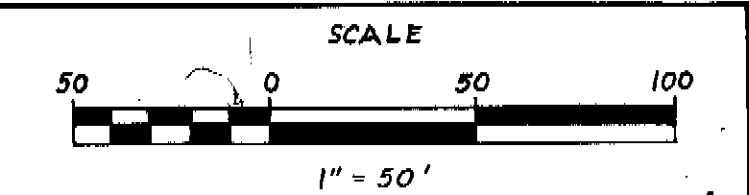
- NOTES:
- 1) Extend New 10" VCP South to Limits of Construction at 0.28% & Connect to Exist. 10" San.
 - 2) Exist. House Connections are Represented by dashed Y's (Y). Prop. House Connections by solid Y's (Y). All Exist. H.C.'s should be picked up by the new collector line if they should be replaced by 6" VCP or 6" CIP to the M.H.
 - 3) Exist. M.H.'s shown dashed. Remove Casting, Plug Lines out of M.H., Fill & Pack M.H. with dirt.
 - 4) Location of Exist. 20" Water Line from Cranston Expressway by J.E. Greiner Co. (it appears to be incorrect).
 - 5) Field Change - M.H. installed at Contractors Expense.

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

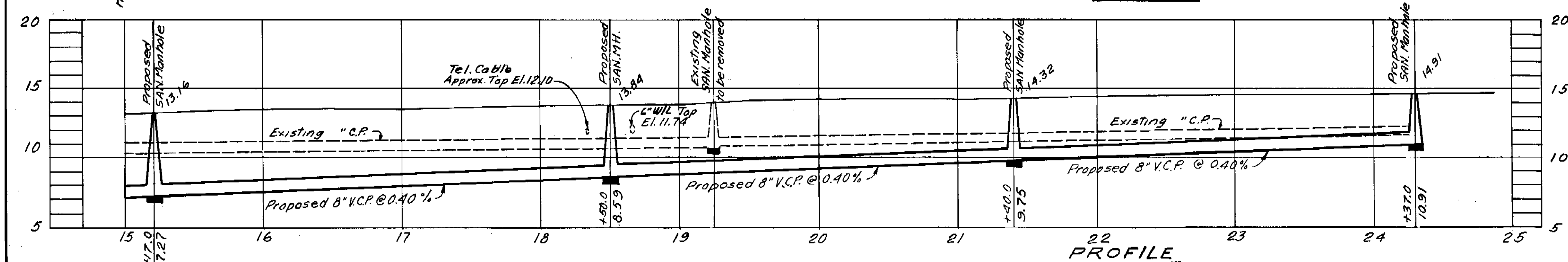
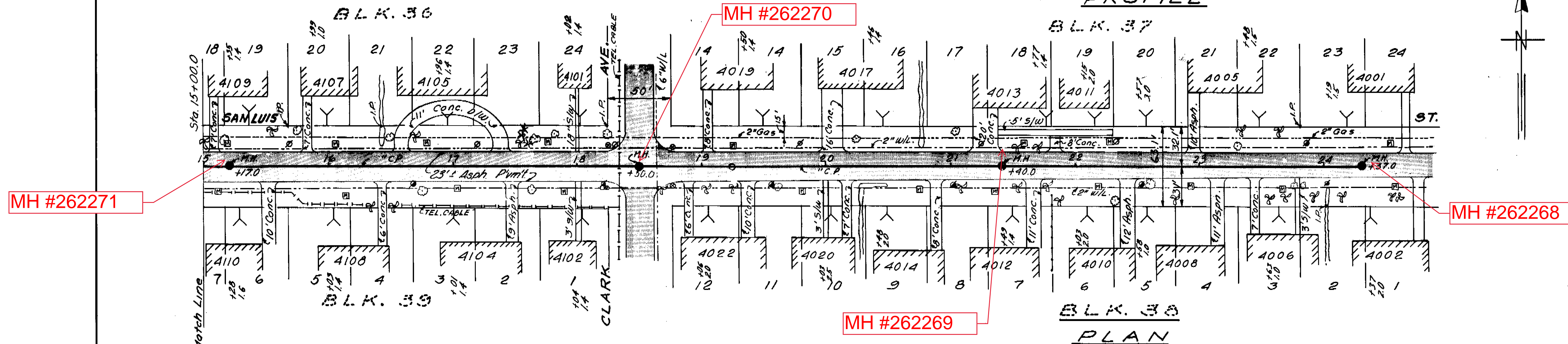
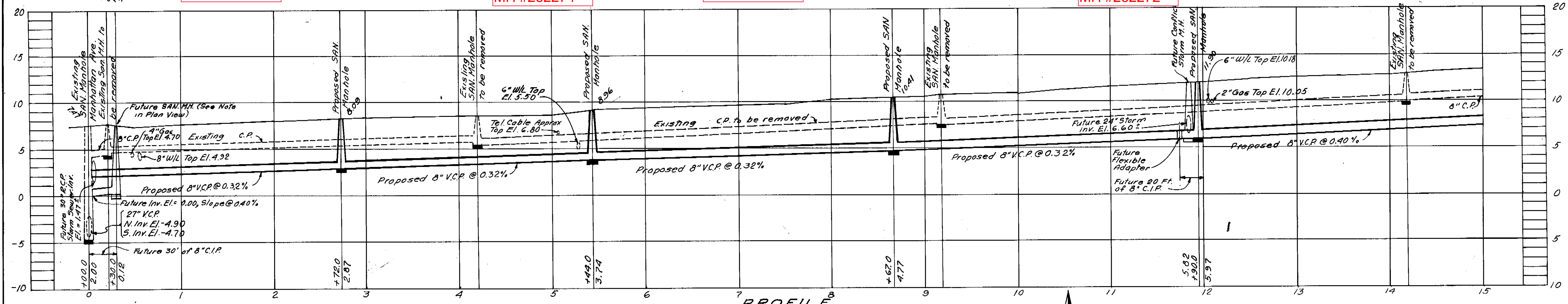
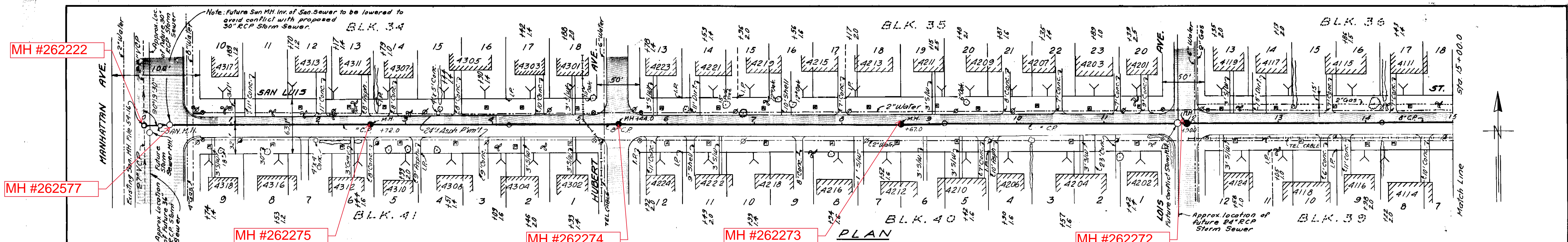
BAY To BAY BLVD. :
GRADY AVE. To DALE MABRY HWY.

APPROVED BY
J.W. Silliman
J.W. SILLIMAN, P.E., DIRECTOR
DEPARTMENT of SANITARY SEWERS

DES: J.M.R.
DRN: RGH
CKD: EBF
M.A.
DATE
FEB. 1975



134-026



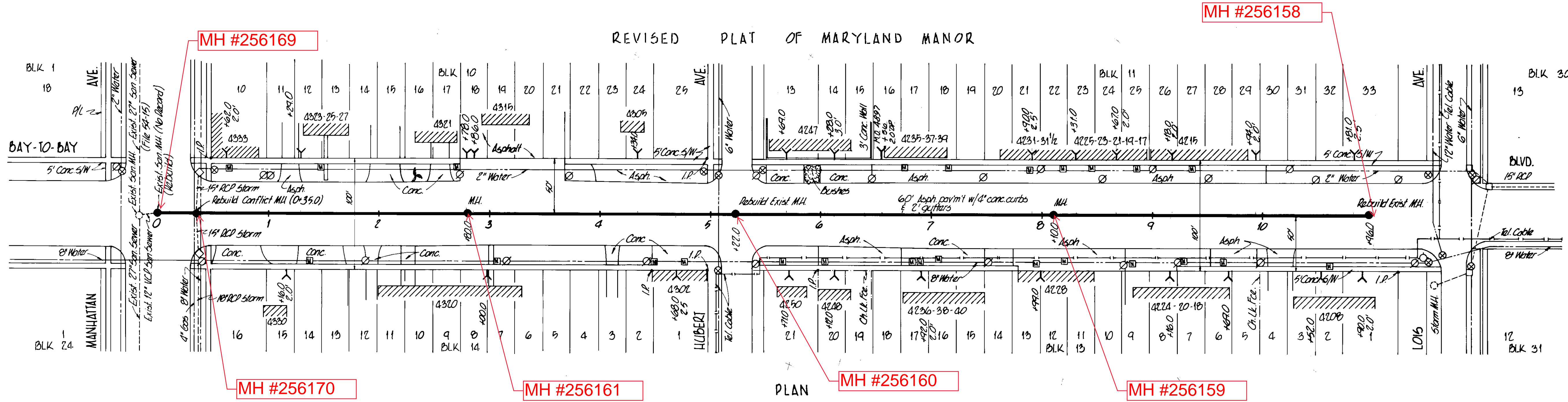
NOTES: 1.- Locate and replace existing house connections during construction.
 2.- Existing Sanitary Manholes to be removed with exception of Manhole at Sta. 0+00.0. Rebuild the drop of this Manhole.

WO. 7609

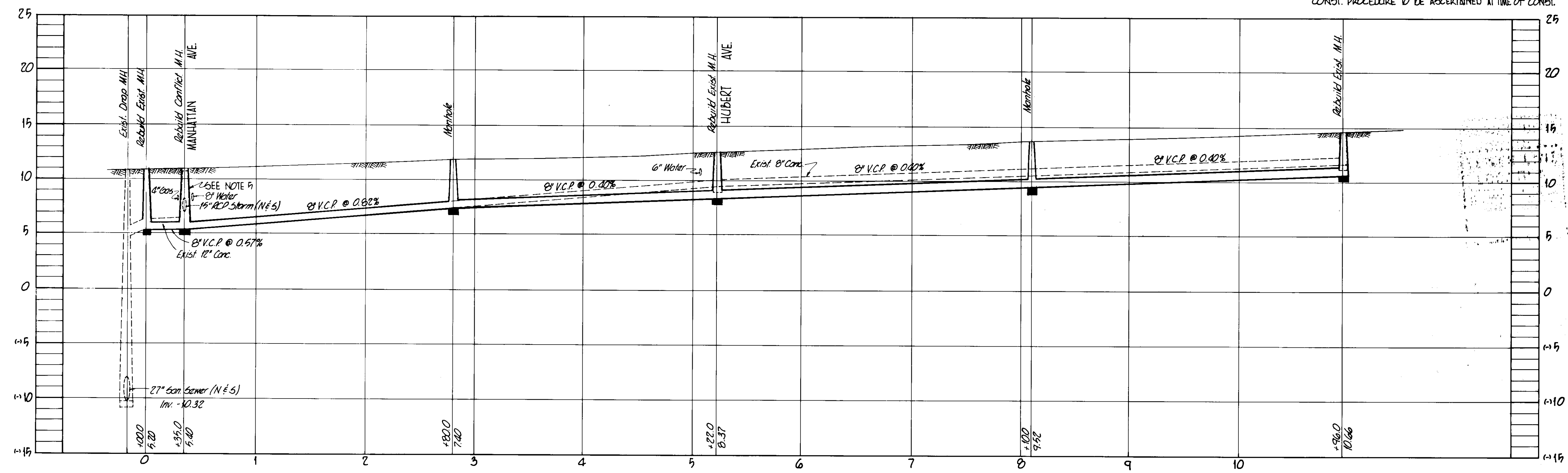
DES: M.J.A. DRN: E.R. CKD: DATE NOV. 1975	APPROVED BY J.W. SILLIMAN, PE., DIRECTOR DEPARTMENT OF SANITARY SEWERS	NO. DATE REVISIONS		SCALE 50 0 50 100 1" = 50'	DEPARTMENT of SANITARY SEWERS CITY of TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENTS	SAN LUIS ST.: from Manhattan Ave. to Grady Ave.	SHEET OF	
		1	2-76					To avoid conflict with future storm sewer.
		2						
		3						
		4						

135-042

REVISED PLAT OF MARYLAND MANOR



- NOTES:
1. B.M. = CUT IN S.W. S.E. CORNER MANHATTAN AVE & BAY-TO-BAY BLVD. ELEV. 11.07
 2. ALL UTILITIES ARE APPROXIMATE LOCATION ONLY. EXACT LOCATION SHOULD BE DETERMINED IN THE FIELD 48 HRS. PRIOR TO CONSTRUCTION.
 3. TRAVERSE LINE IS PRODUCED ON SAME TANGENT AS PERIMETER SURVEY FOR SANTIAGO REHABILITATION SYSTEM.
 4. HOUSE CONNECTIONS ARE TO BE DETERMINED IN THE FIELD AT TIME OF CONSTRUCTION.
 5. DUE TO NEW PAVEMENT ON BAY-TO-BAY BLVD. CONFLICT MH @ STA. 0+39.0 IS PAVED OVER. DETAILED CONST. PROCEDURE TO BE ASCERTAINED AT TIME OF CONST.



PROFILE
W.O. 7736

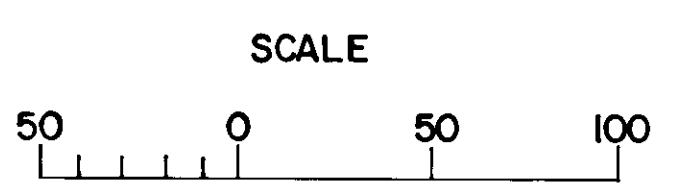
AS-BUILT
THIS DRAWING HAS BEEN REVISED TO REFLECT
AS-BUILT INFORMATION OBTAINED AT TIME OF CONSTRUCTION.

SEWER LINE
LOCATION
SEC. MAP NO. LINE NO.
K-9 29

DES: *YMS*
DRN: *YMS*
CKD: *SIF*
DATE
AUGUST, 1976

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

No	DATE	REVISIONS
1		
2		
3		
4		
5		

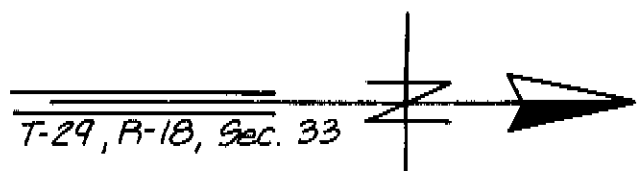
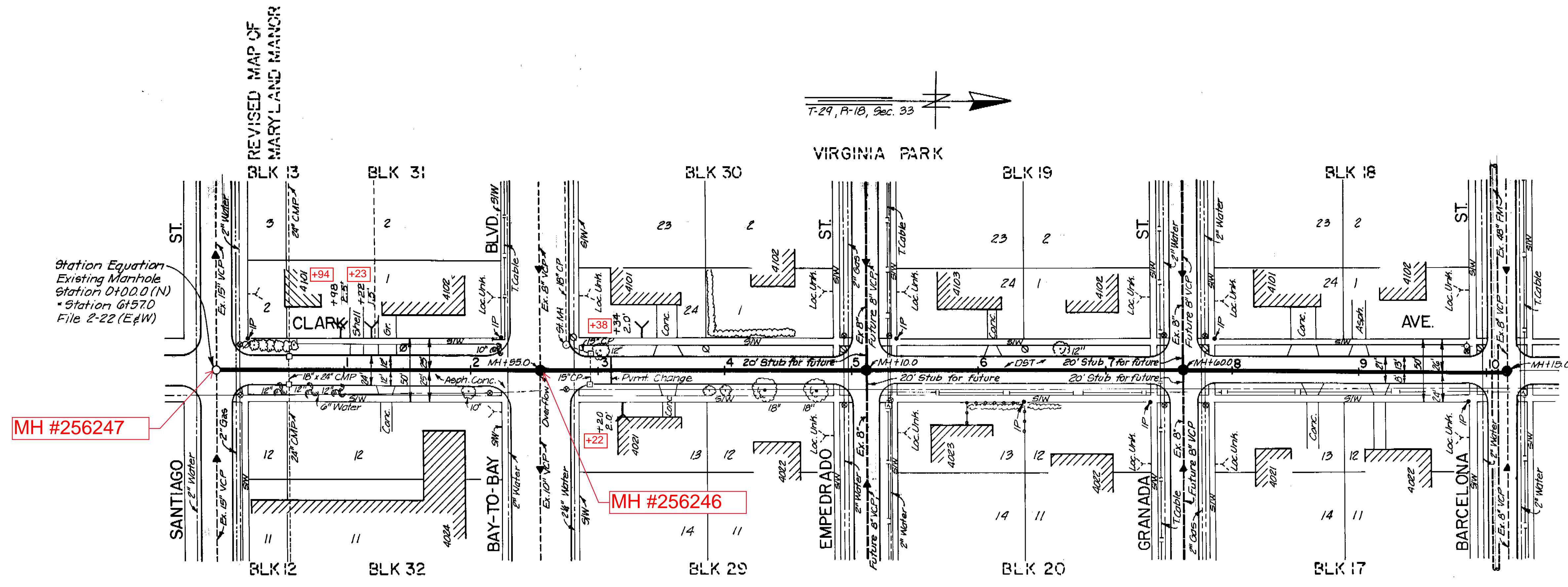


DEPARTMENT OF SANITARY SEWERS
CITY OF TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

BAY-TO-BAY BLVD: Manhattan Ave to Lois Ave.

SHEET
1

137-022

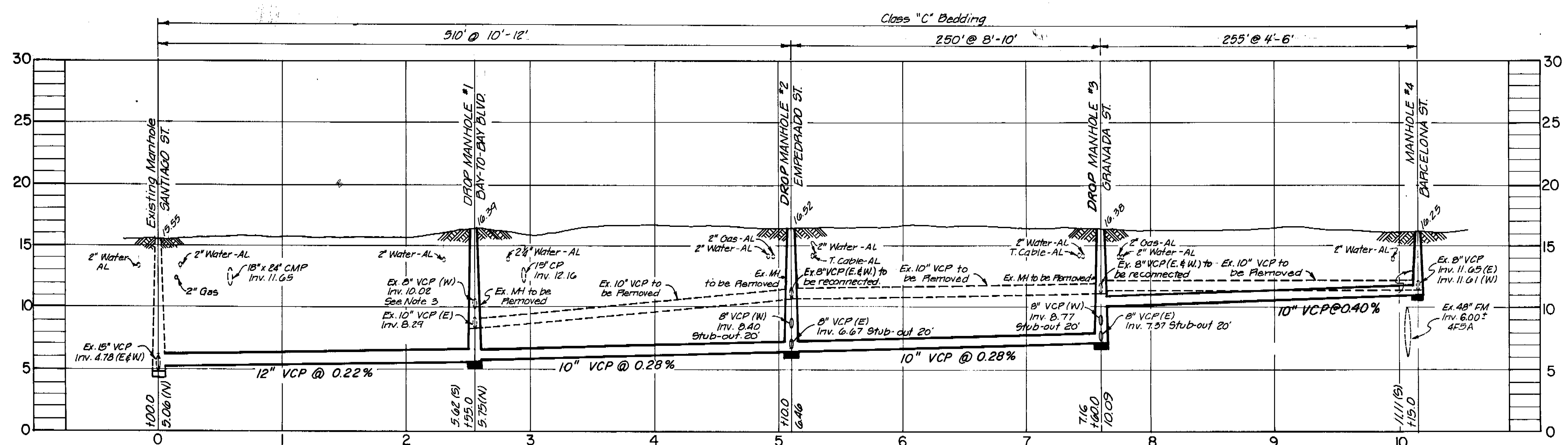


VIRGINIA PARK

PLAN

- Notes:
- (Deleted)
 - Existing house connection locations are approximate only; exact locations to be determined in the field. Reconnect existing laterals while maintaining continuous flow.
 - Construct drop connections on the proposed MH at Stations 2+95.0 for the existing 8" VCP line in Bay-to-Bay
 - Existing 8" VCP lines (E&W) in Empedrado St, Granada St, and Barcelona St are to be reconnected into the new manholes at existing invert elevations. Extend the stubs for the future 8" VCP lines in Empedrado St and Granada St, 20 feet from new manholes.

BM
 □ Cut on sidewalk at Southeast corner of Barcelona and Clark.



AS BUILT
 W.A. 9/03

PROFILE
 PN 518

no maint 5486
 K-9

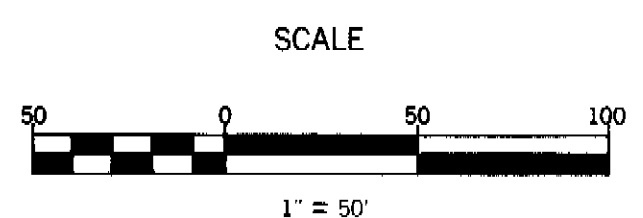
DRAWING 44.132.2917

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

DES: YHD
 DRN: YHD
 CKD: *APZ*
 DATE: 4/83

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

NO.	DATE	REVISIONS
1	4-12-83	Note #1 deleted.
2	"	Stub-outs lengthened to 20'
3	4-15-83	Location of Ex. 48" FM revised
4	4-19-83	Add 2" Gas @ Sta. 0+15.0
5		

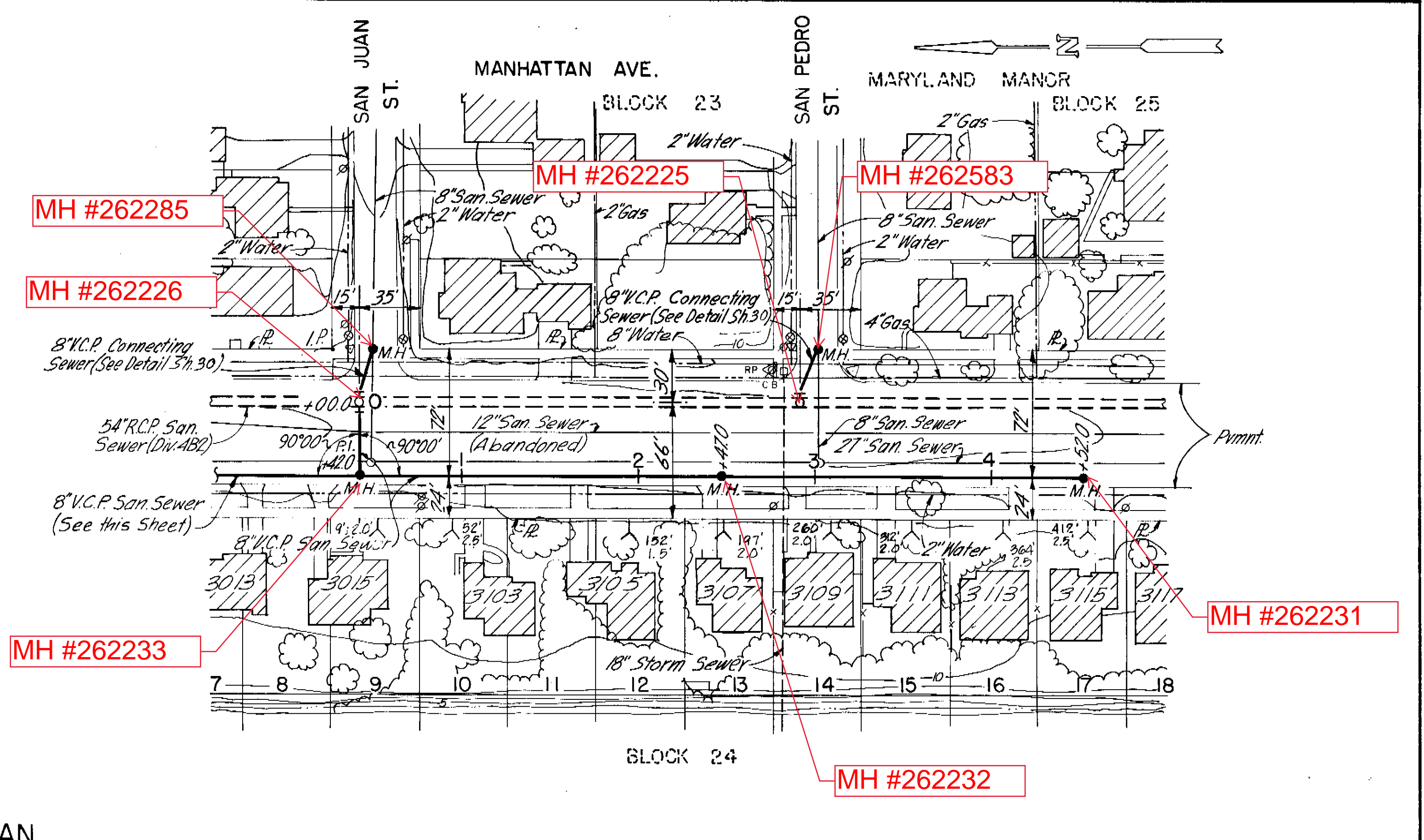
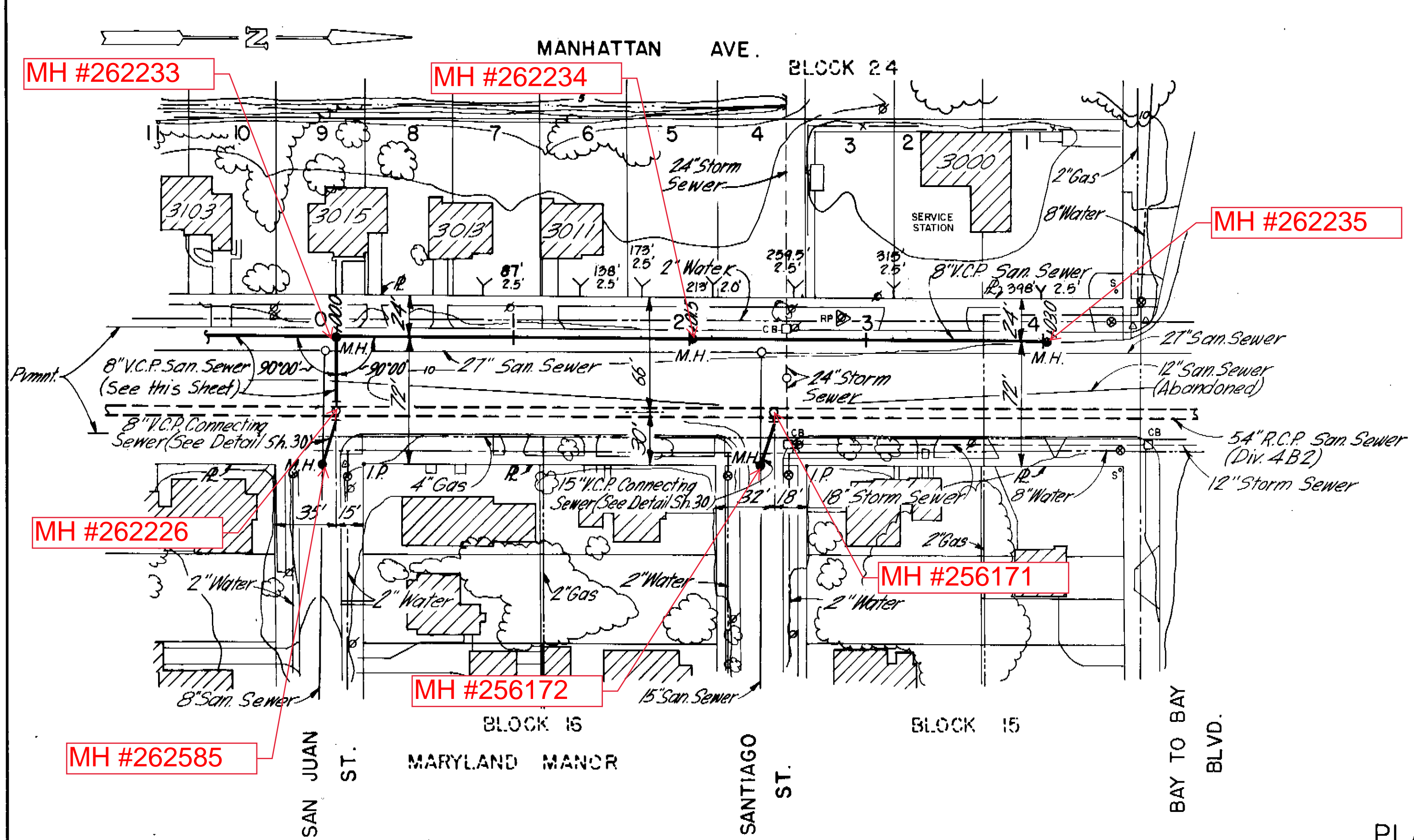


DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENT

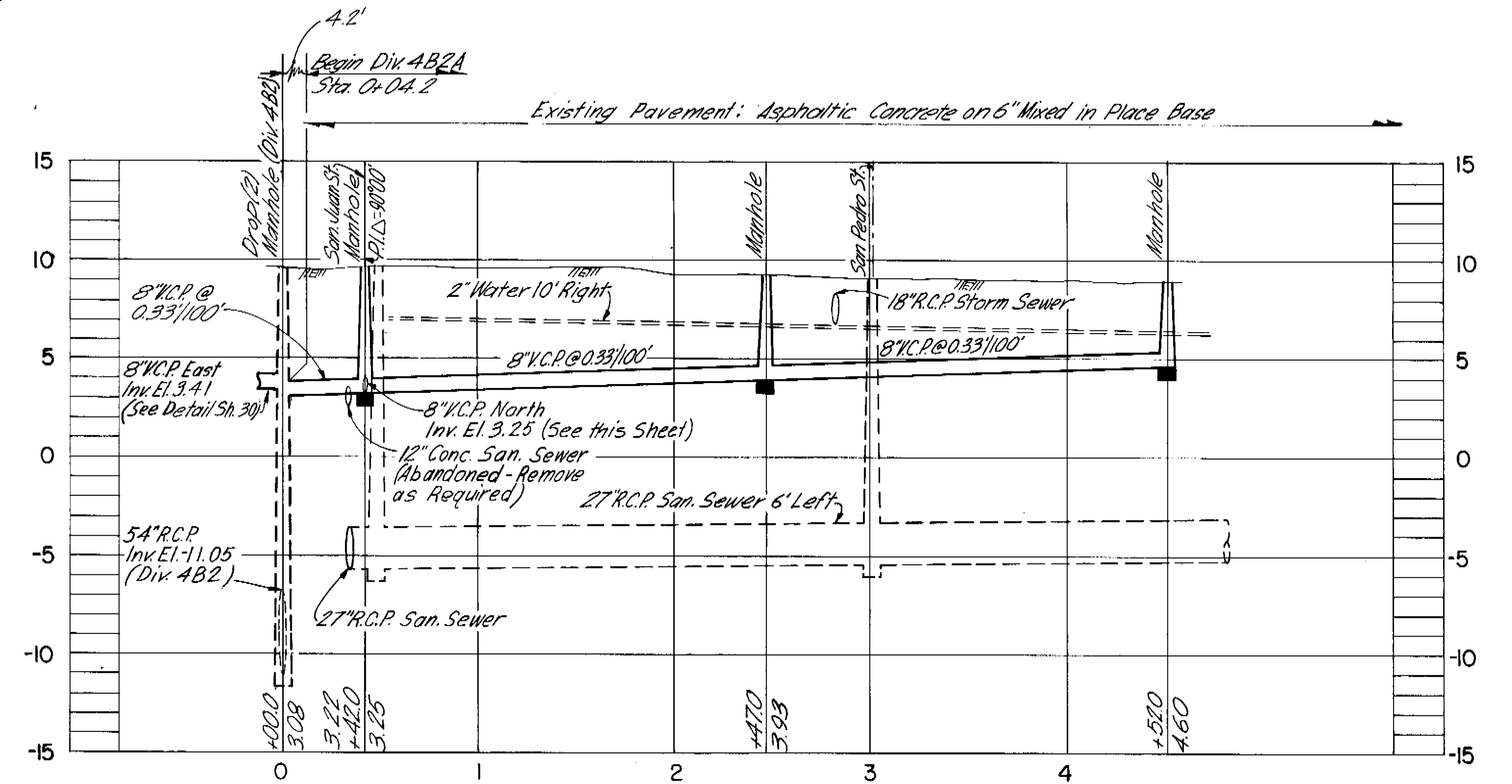
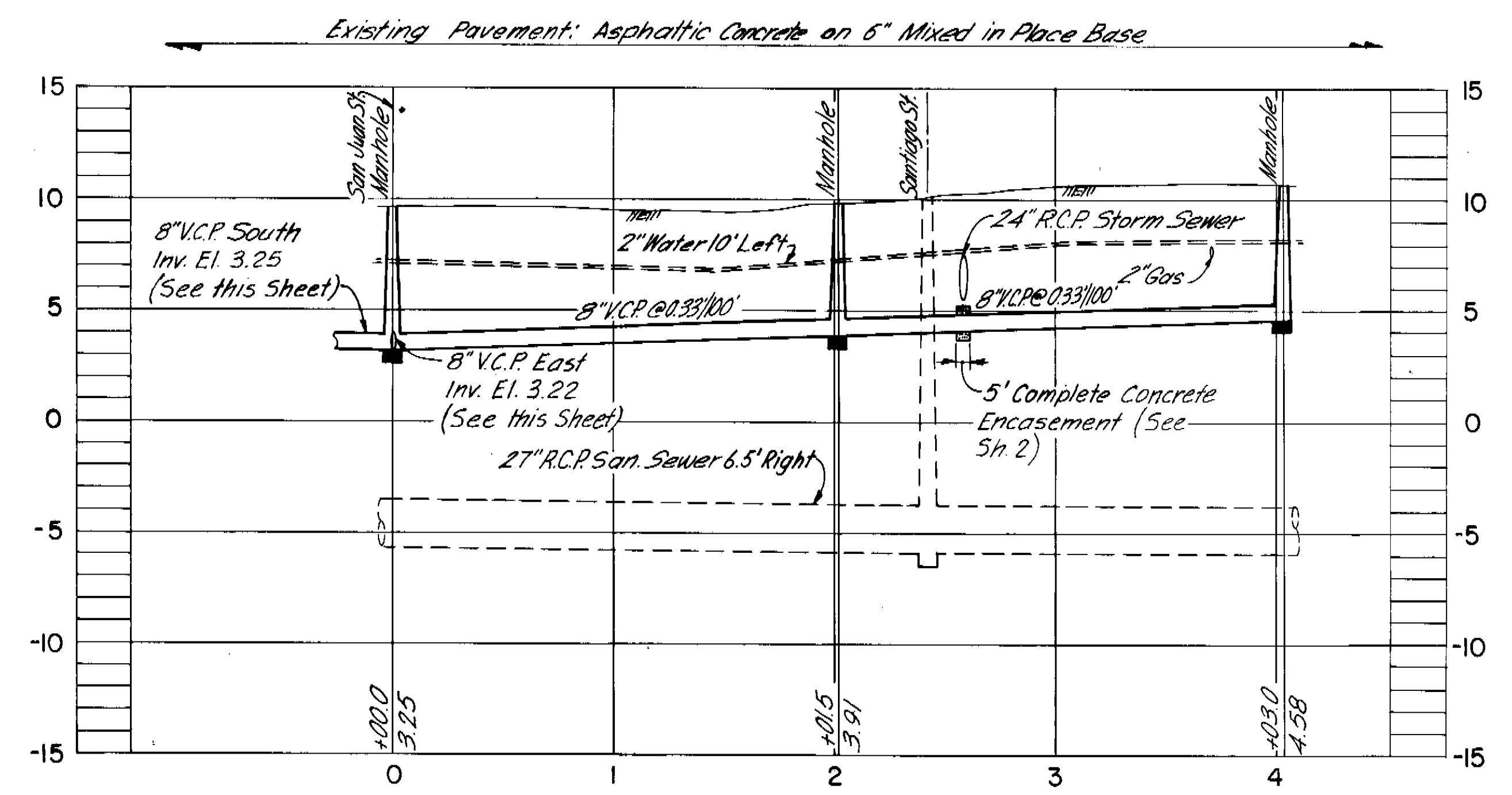
SANTIAGO TRUNK AREA
 PHASE I
 CLARK AVENUE : Santiago St. to Barcelona St.

SHEET
 67

167-023



PLAN

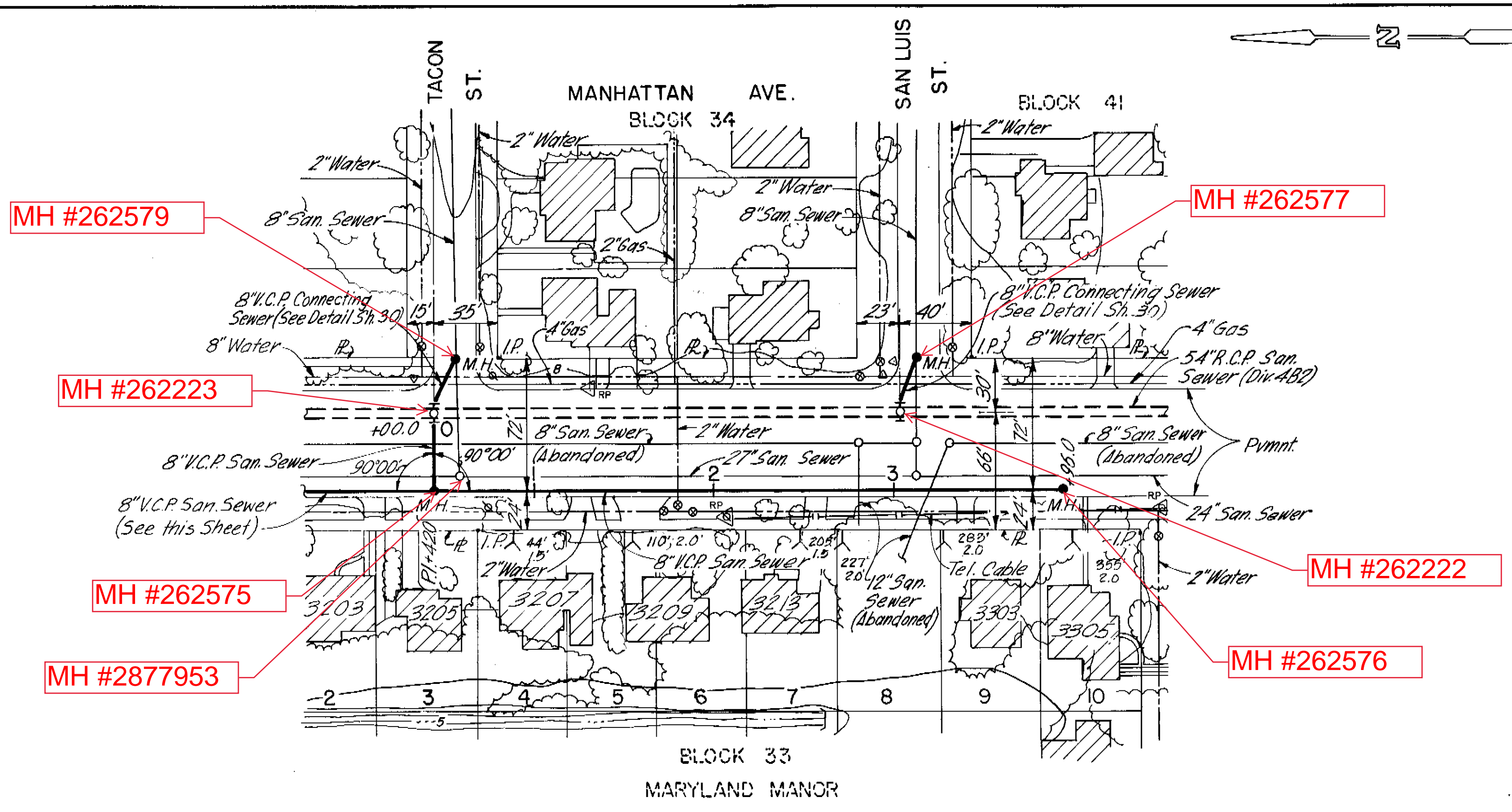
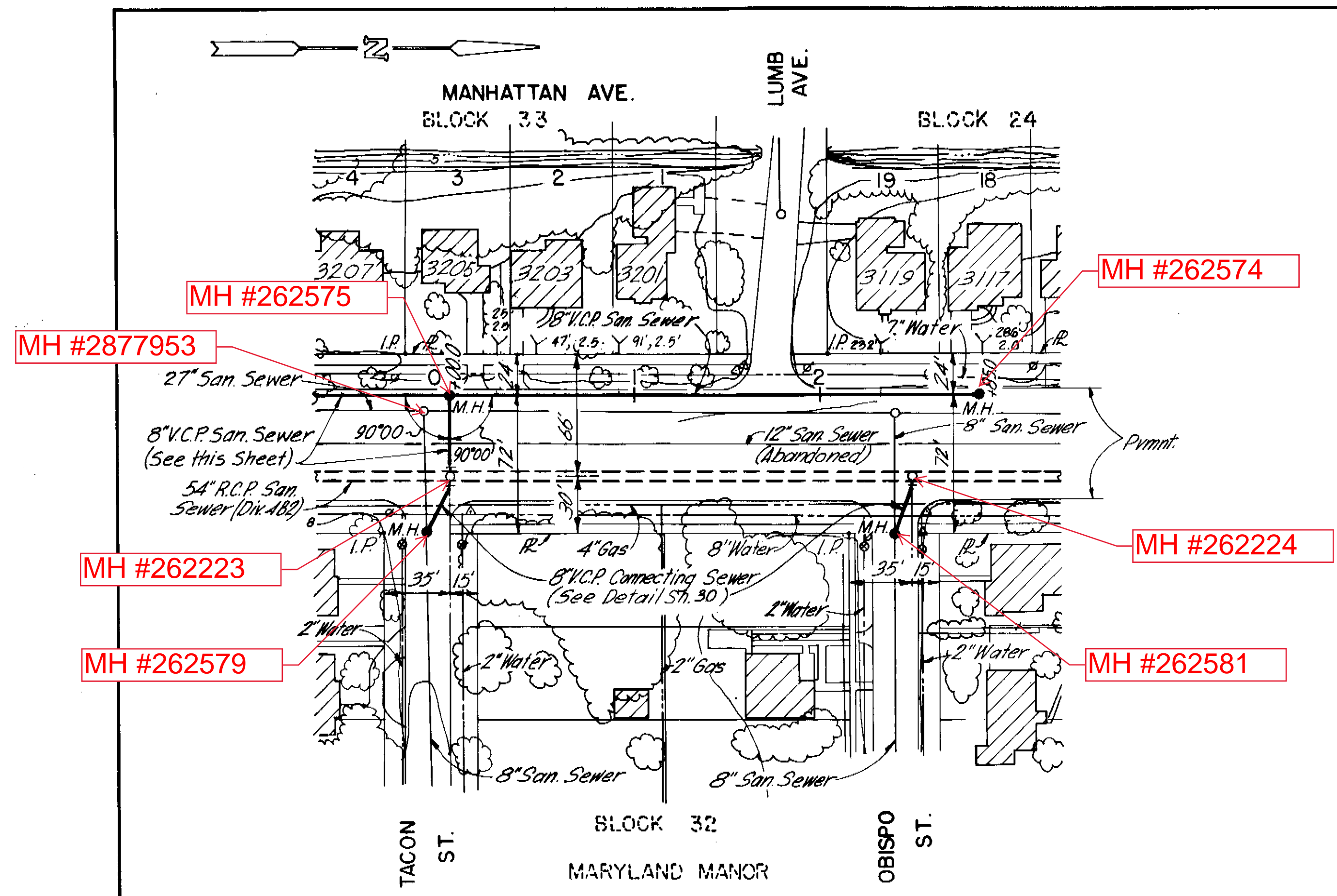


PROFILE

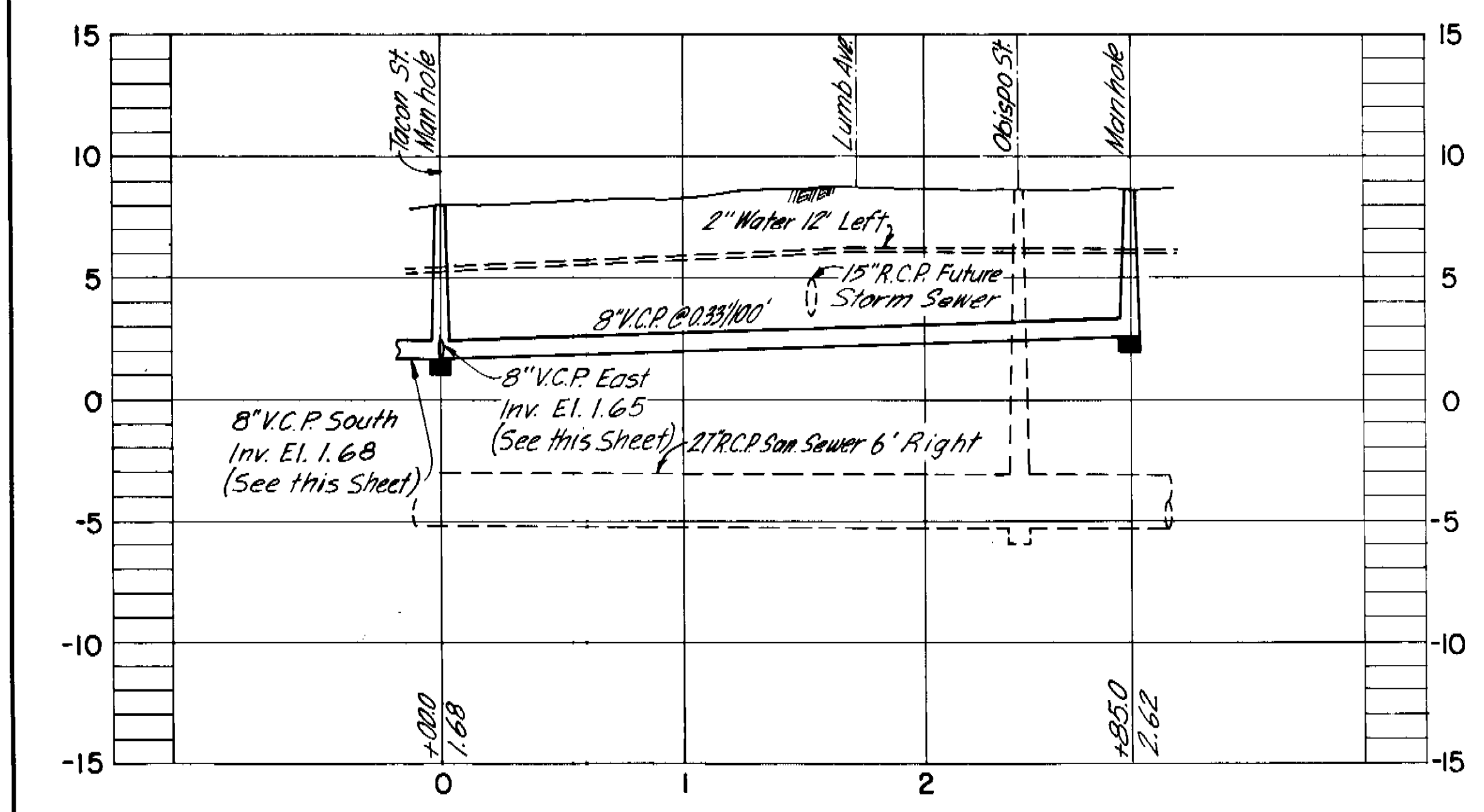
AS BUILT

NOTE: Sta 0+00.0 is centerline of 5'-4" R.C.P. San. Sewer (Div. 4B2).

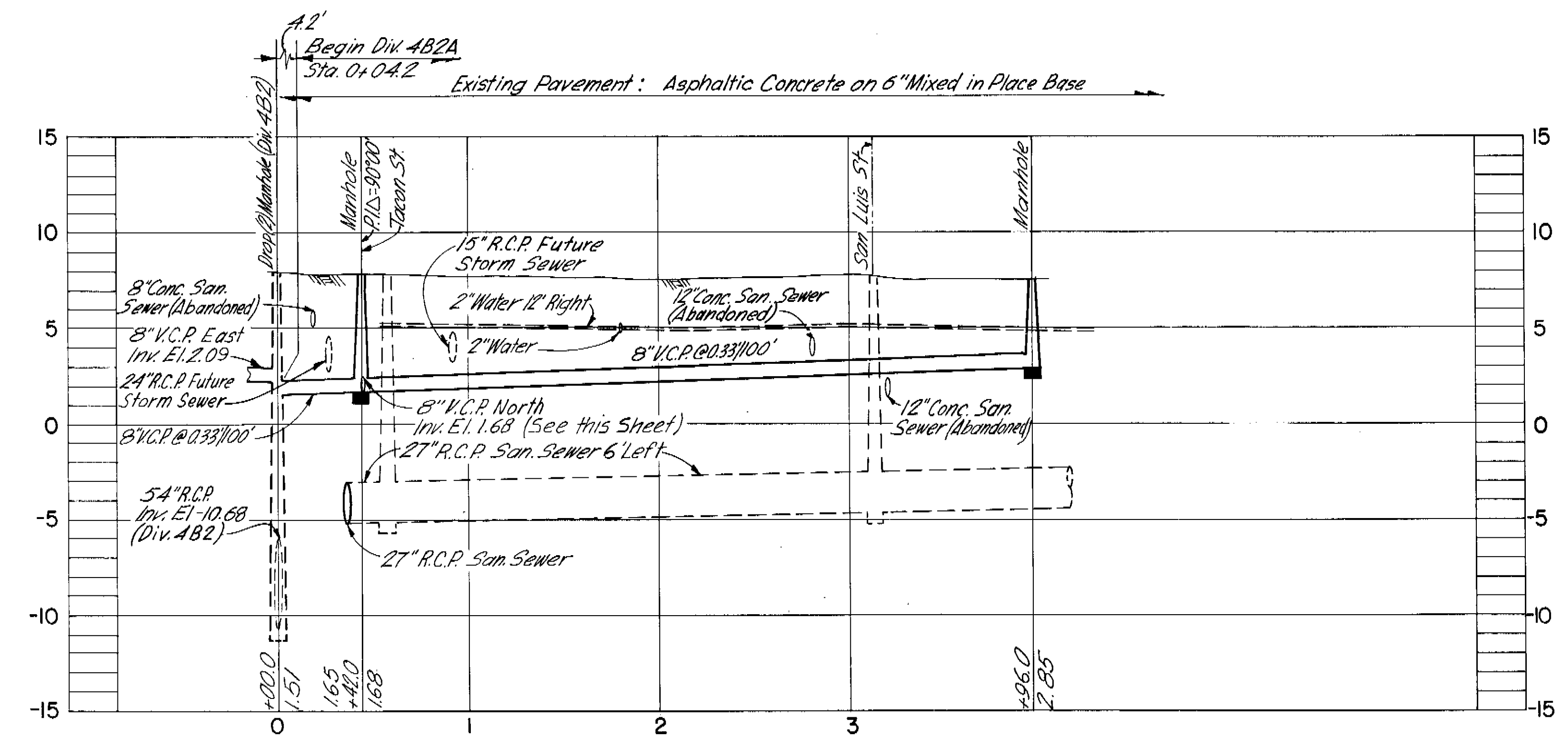
GREELEY AND HANSEN ENGINEERS 222 S. RIVERSIDE PLAZA CHICAGO, ILLINOIS 60606	DESIGNED R.A.K. DRAWN F.F.L. CHECKED T.L.W.	APPROVED _____ DATE _____ SUPT., DEPT. OF SANITARY SEWERS DATE _____ GREELEY AND HANSEN, ENGINEERS	NO. DATE APP. REVISION 11/8/79 TLW Rev. Sheet Numbers	SCALE 50 0 50 100 FT HORIZ. 1" = 50' 5 0 5 10 VERT. 1" = 5'	CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM MANHATTAN AVE. REPLACEMENT SEWERS	DIVISION 4B2A PLAN AND PROFILE MANHATTAN AVE. - SAN JUAN ST. NORTH TO STA. 4+03.0 MANHATTAN AVE. - SAN JUAN ST. SOUTH	PROJ. NO. S202-70-30D 4B2A SHEET 28 OF 30
							186-029



Existing Pavement: Asphaltic Concrete on 6" Mixed in Place Base



PLAN

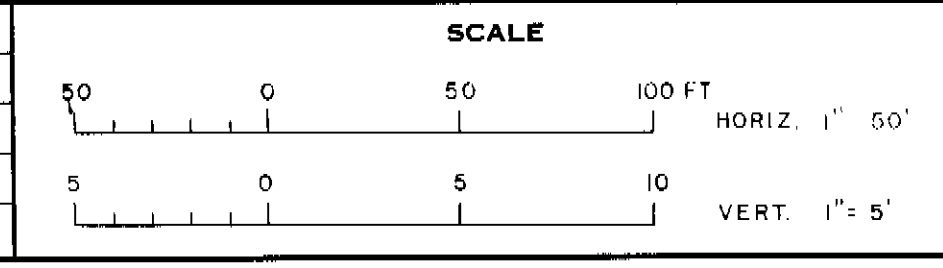


PROFILE

AS BUILT

NOTE: Sta. 0+00.0 is center line of 54" R.C.P. San Sewer (Div. 4B2)

GREELEY AND HANSEN ENGINEERS 222 S. RIVERSIDE PLAZA CHICAGO, ILLINOIS 60606	DESIGNED R.A.K.	APPROVED	
	DRAWN F.F.L.	DATE	
	CHECKED T.L.W.	SUPT., DEPT. OF SANITARY SEWERS	
		DATE	
	GREELEY AND HANSEN, ENGINEERS	NO.	DATE APP.

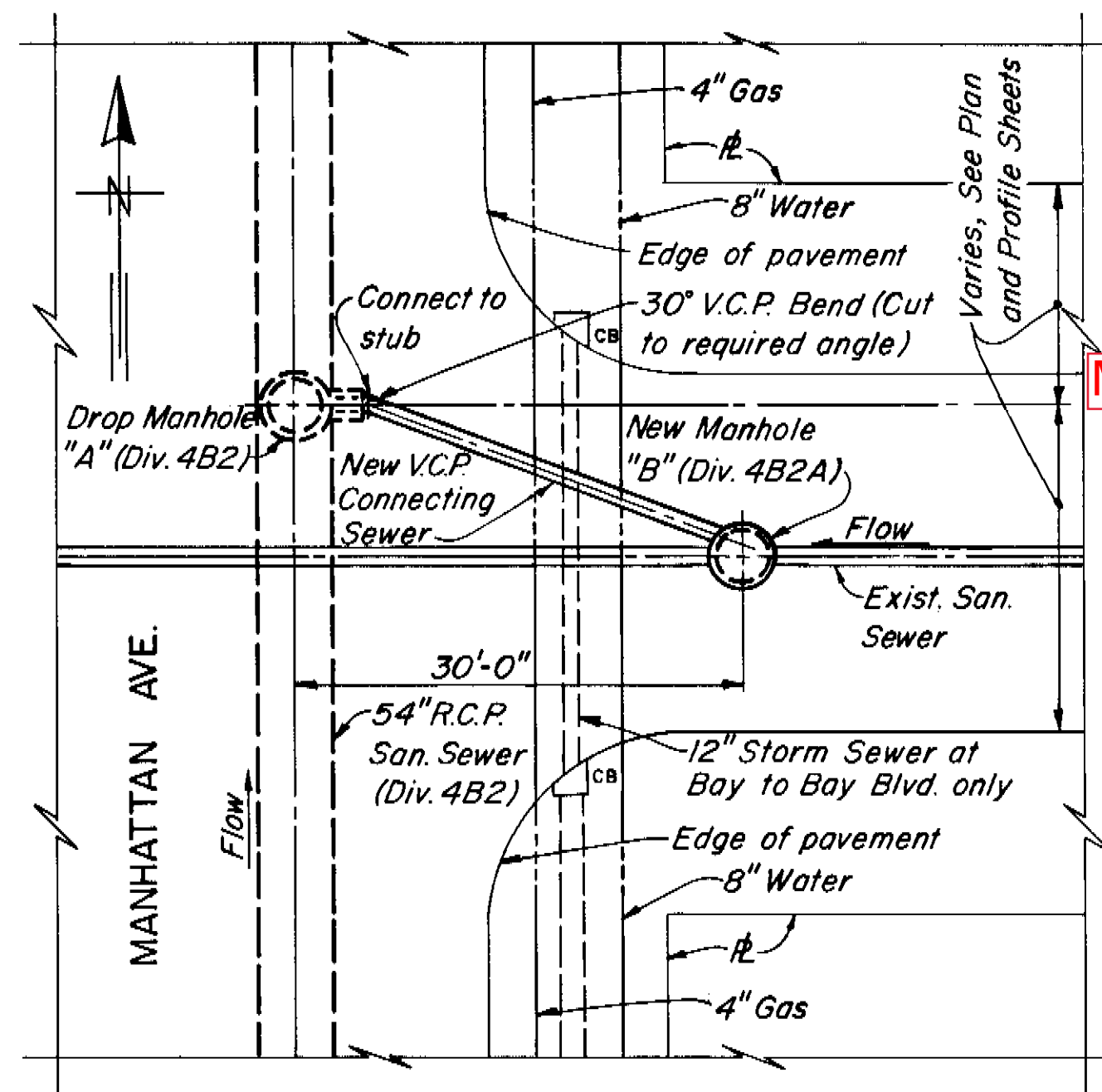


CITY OF TAMPA, FLORIDA
 SEWAGE DISPOSAL SYSTEM
 MANHATTAN AVE. REPLACEMENT SEWERS

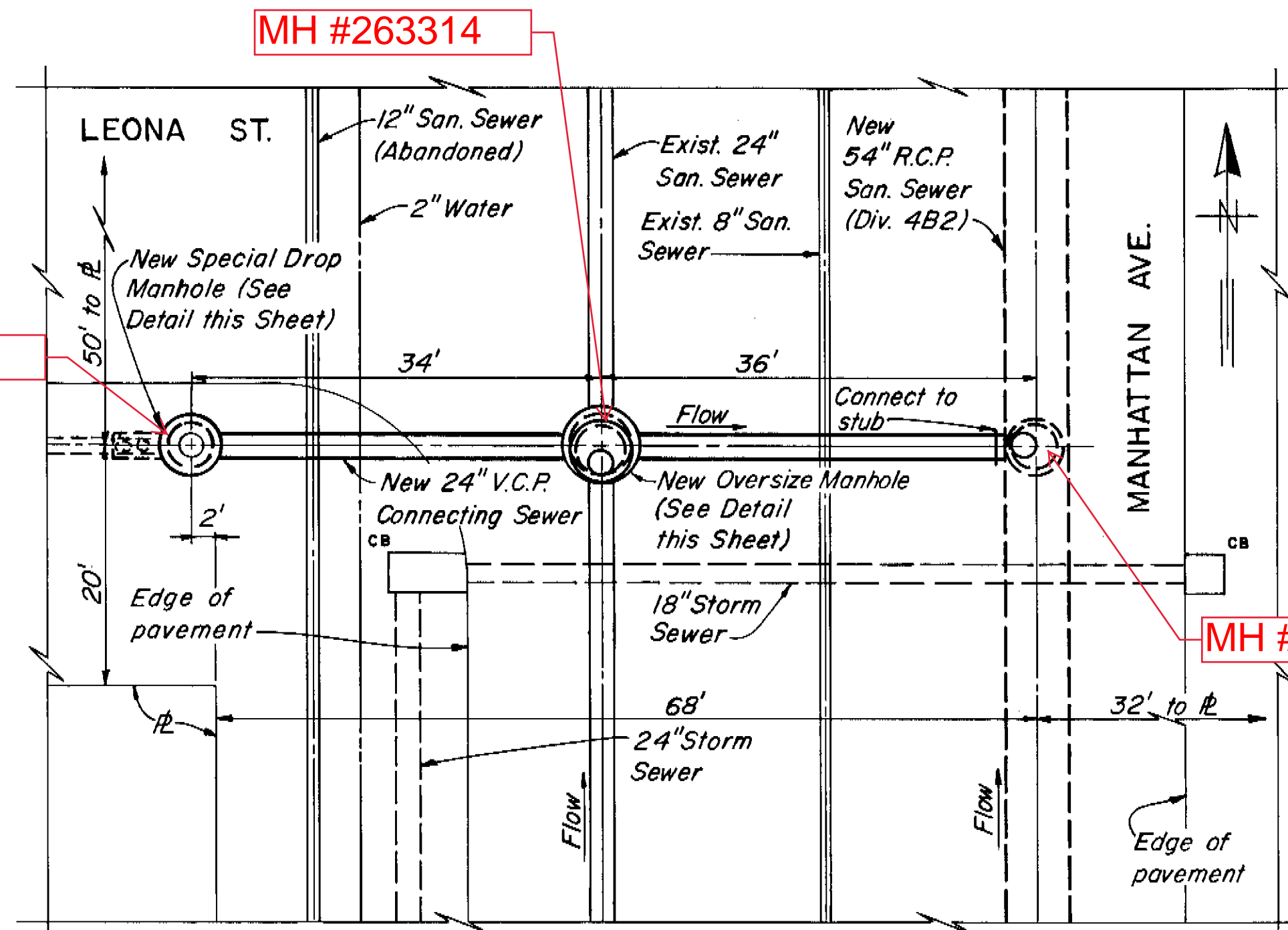
DIVISION 4B2A
 PLAN AND PROFILE
 MANHATTAN AVE. - TACON ST. NORTH TO STA. 2+85.0
 MANHATTAN AVE. - TACON ST. SOUTH TO

PROJ. NO. S202-70-30D 4B2A
SHEET 29 OF 30
REV. 1

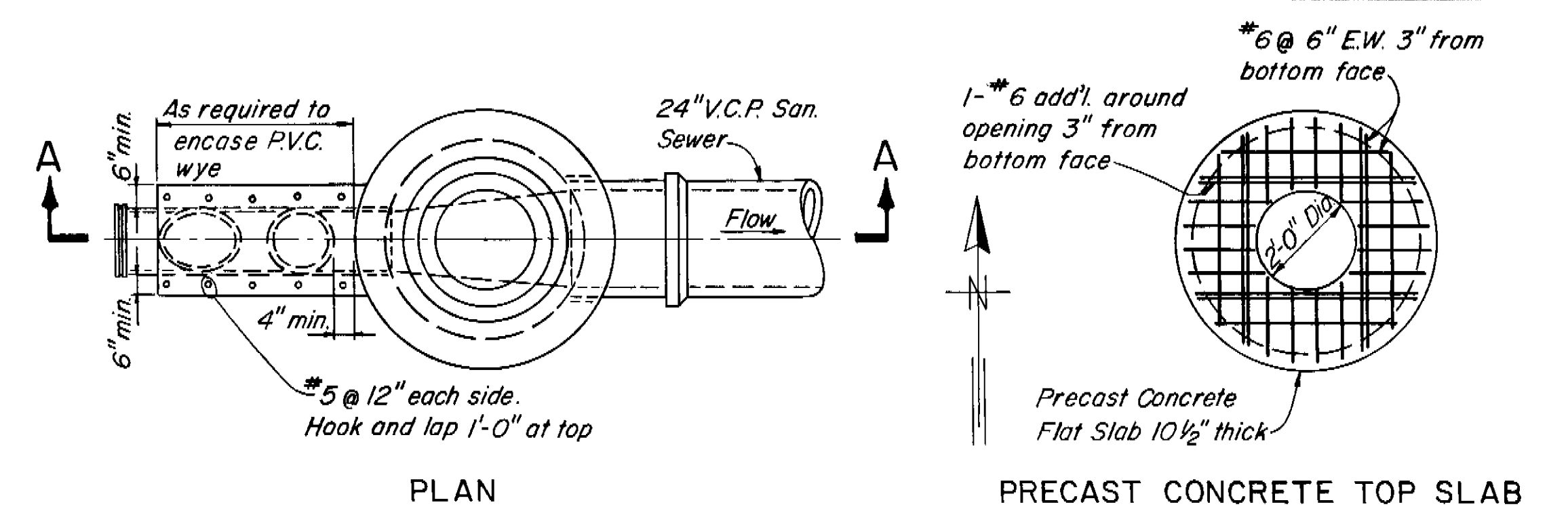
186-030 185



TYPICAL PLAN
(EXCEPT AT PALMIRA ST.)
NOT TO SCALE

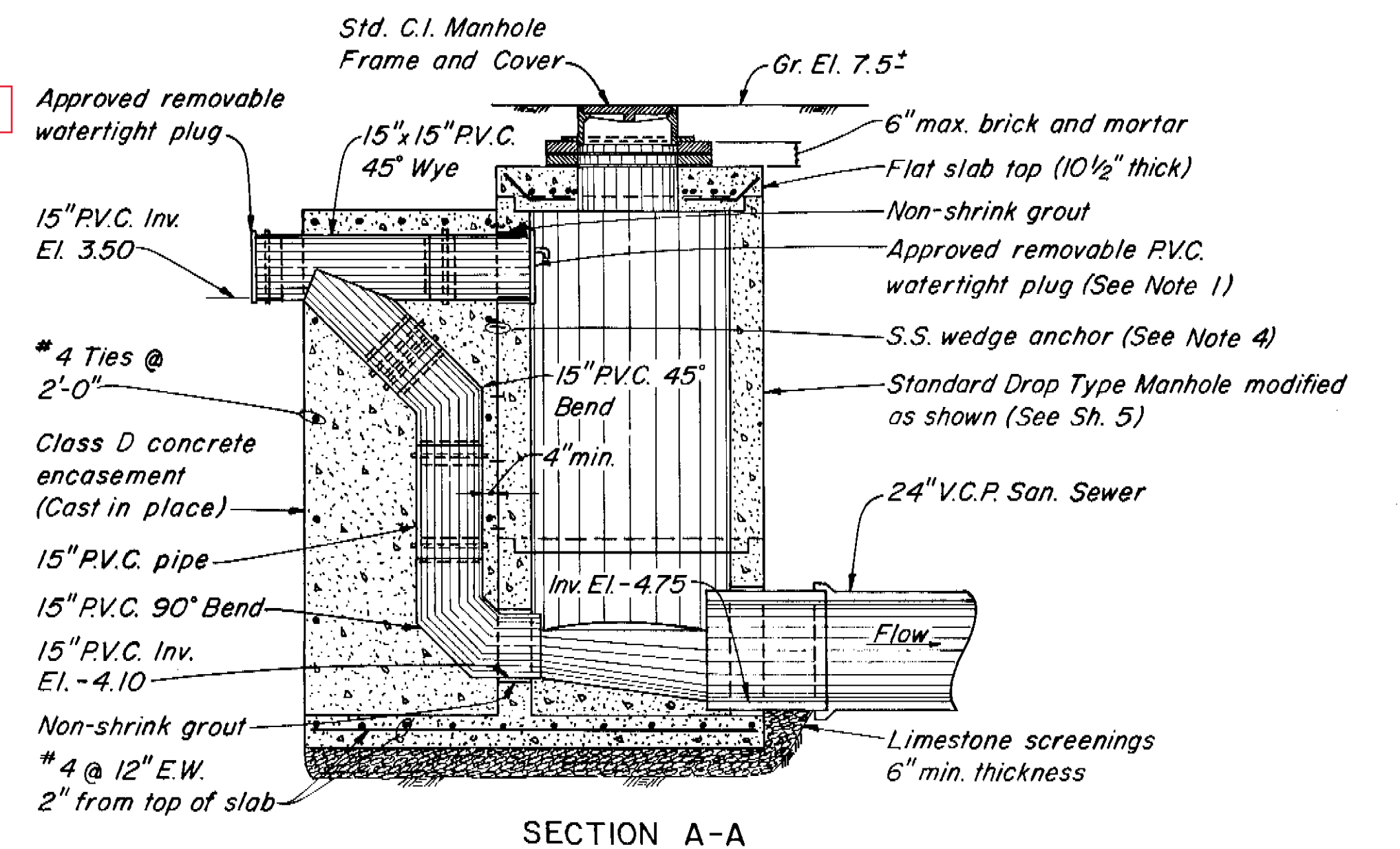


PLAN
SCALE: 3/32"=1'-0"



PLAN

PRECAST CONCRETE TOP SLAB



SECTION A-A

NOTES:

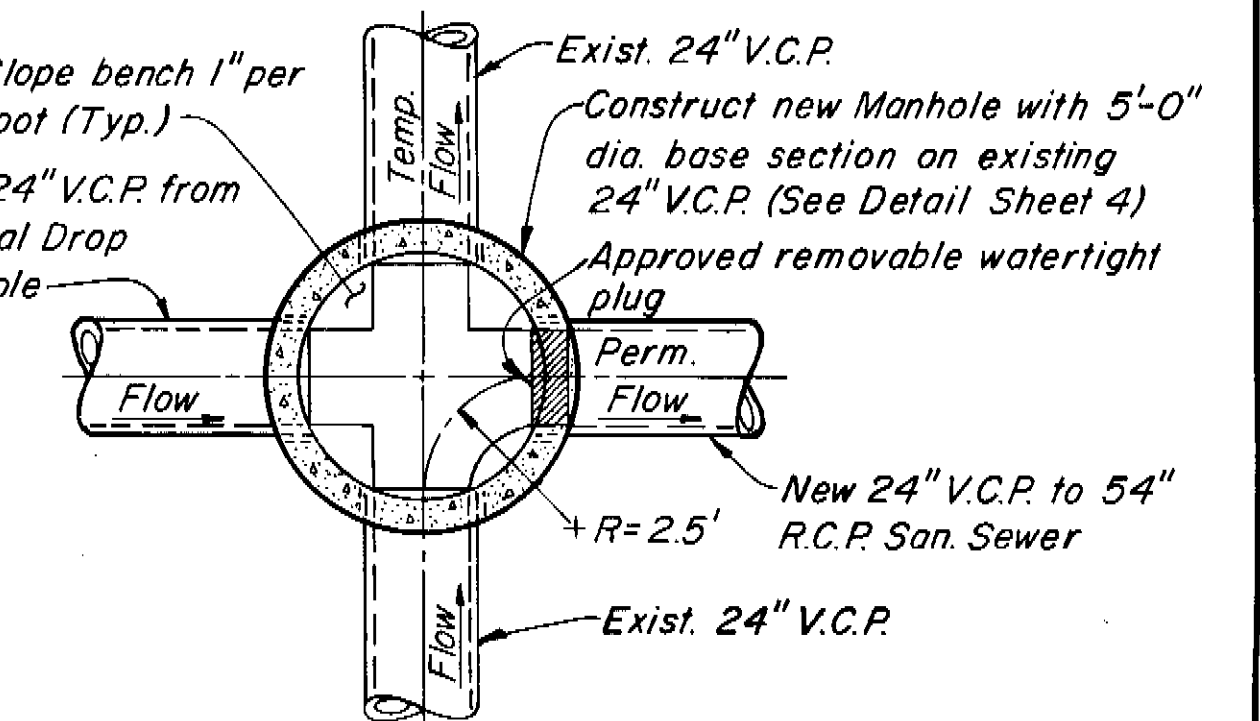
1. PVC plug in manhole shall be solvent welded to adjacent PVC pipe for 2" along circumference at top, bottom and each side. Drill 1" dia. hole in plug on vertical center line 6" above horizontal center line and solvent weld on 1" dia. 90° elbow oriented downward as shown.
2. All PVC pipe and fittings shall conform to A.S.T.M. D 3034, SDR 35 with gasket joints.
3. Bottom of manhole shall be monolithic and continuous under drop connection encasement.
4. Drop pipe encasement shall be anchored to manhole wall with 1/2" dia. x 7" long stainless steel wedge anchors (Phillips Red Head or approved equal) at 2-foot vertical centers on each side of drop pipe.

DETAILS OF SPECIAL DROP MANHOLE AT LEONA STREET

SCALE: 3/8"=1'-0"

NOTE:

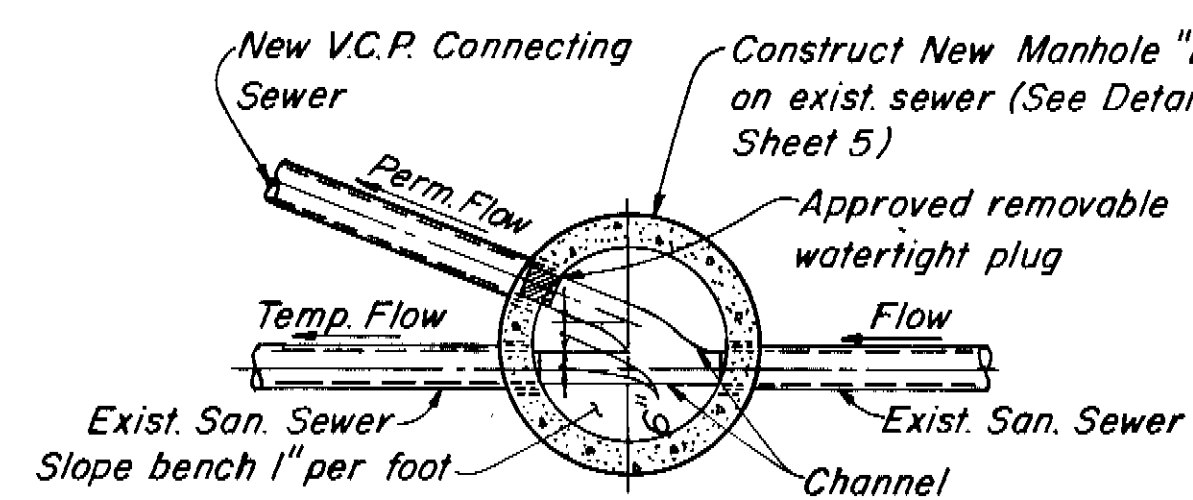
When Manhattan Ave. Intercepting Sewer is placed in service, the Contractor shall remove watertight plug, divert flow into new 24" sewer and plug exist. 24" sewer and channel on north side of manhole with Class D concrete as directed by the Engineer.



SECTIONAL PLAN OF NEW OVERSIZE MANHOLE ON EXISTING 24" V.C.P. SANITARY SEWER AT LEONA STREET

SCALE: 1/4"=1'-0"

CONNECTING SEWER SCHEDULE					
SHEET NO.	STREET NAME	SEWER DIA. (IN.)	APPROX. SLOPE (FT./100FT.)	MANHOLE "A" DROP CONNECTION INV. ELEV.	MANHOLE "B" INV. ELEV. INV. ELEV. OUT.
27	Palmira St.	8	0.34	8.32	8.46 8.43
"	Granada St.	8	6.41	5.90	7.98 7.95
"	Barcelona St.	8	7.63	5.90	8.37 8.34
"	Empedrado St.	8	3.94	5.90	7.19 7.16
"	Bay To Bay Blvd.	8	2.66	5.00	5.88 5.85
28	San Juan St.	8	0.72	3.41	3.67 3.64
"	Santiago St.	15	0.75	2.40	2.67 2.64
"	San Pedro St.	8	0.34	3.60	3.74 3.71
29	Tacon St.	8	0.34	2.09	2.23 2.20
"	Obispo St.	8	0.34	1.64	3.54 1.75
"	San Luis St.	8	0.34	1.13	1.27 1.24



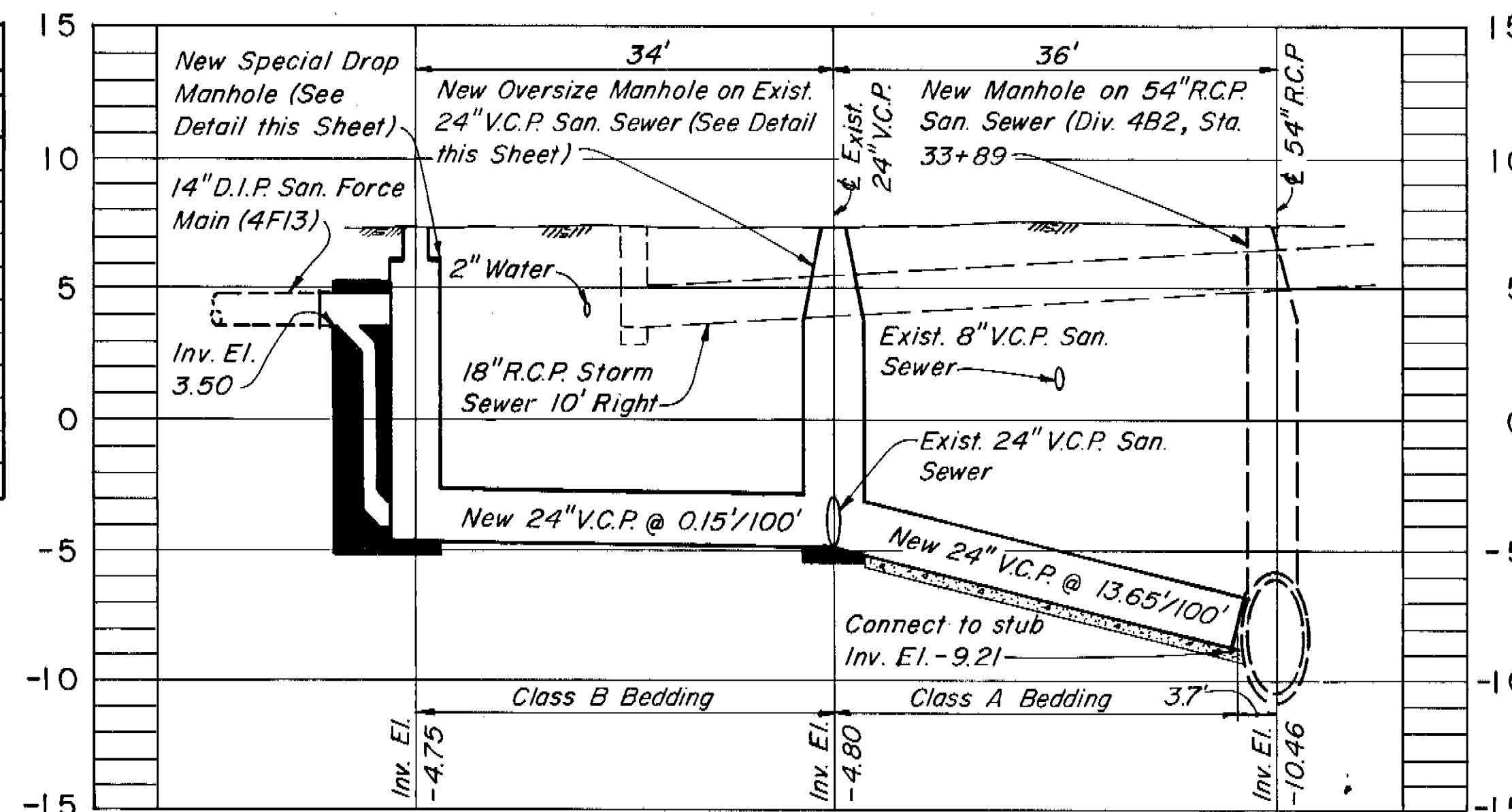
NOTE:

When Manhattan Ave. Intercepting Sewer is placed in service, the Contractor shall remove watertight plug, divert flow into new connecting sewer and plug existing sewer and channel on west side of manhole with Class D concrete as directed by the Engineer.

SECTIONAL PLAN OF NEW MANHOLE "B"

SCALE: 1/4"=1'-0"

CONNECTING SEWER DETAILS



PROFILE

SCALE: HORIZ. 3/32"=1'-0"
VERT. 1"=5'

DETAILS OF CONNECTING SEWER AT LEONA STREET

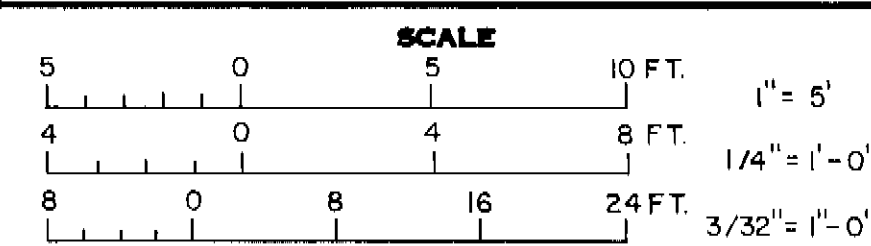
AS BUILT

GREELEY AND HANSEN
ENGINEERS
222 S. RIVERSIDE PLAZA
CHICAGO, ILLINOIS 60606

DESIGNED AA, TLW
DRAWN AA
CHECKED TLW

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

NO.	DATE	APP.	REVISION
3/1/80	TLW		Rev. Entire Sheet

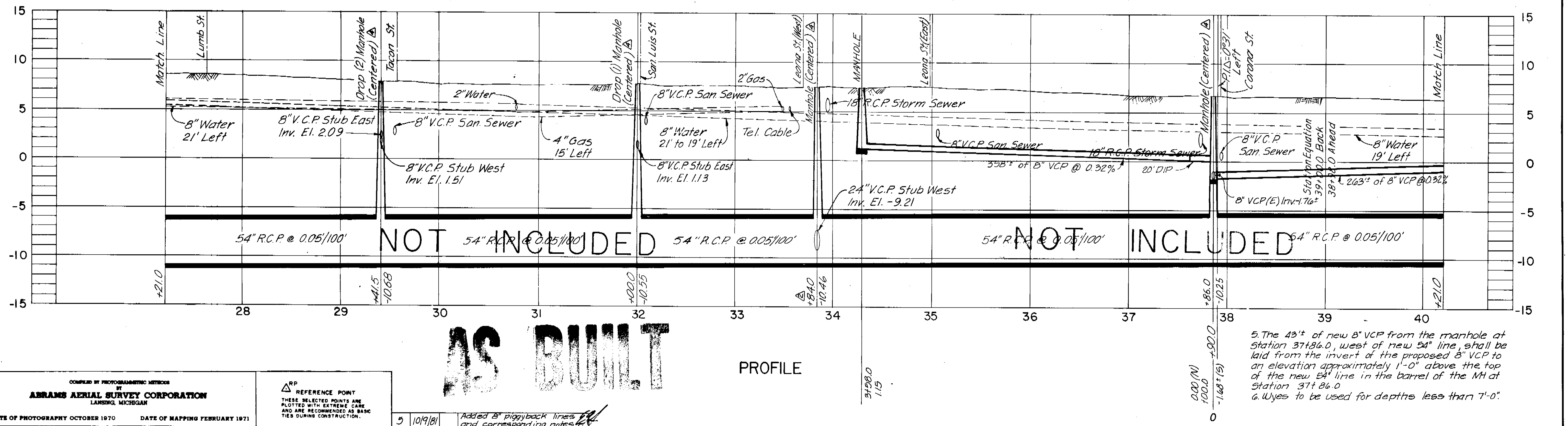
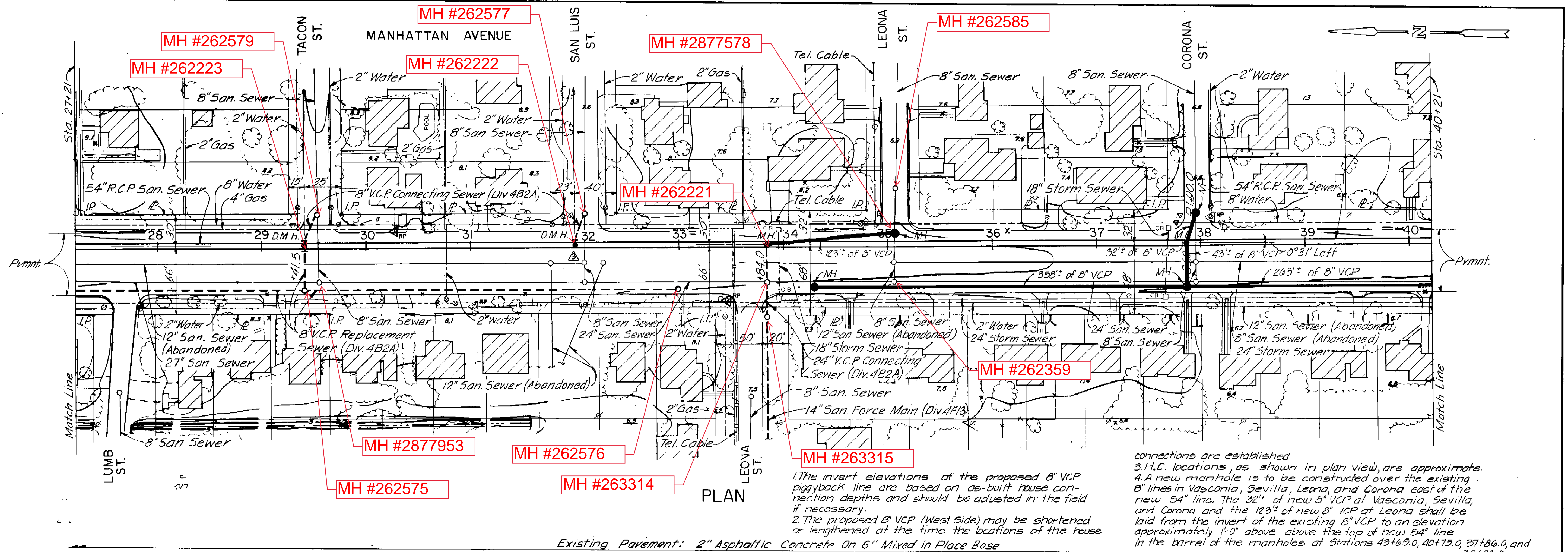


CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
MANHATTAN AVE. REPLACEMENT SEWERS

DIVISION 4B2A
CONNECTING SEWER DETAILS

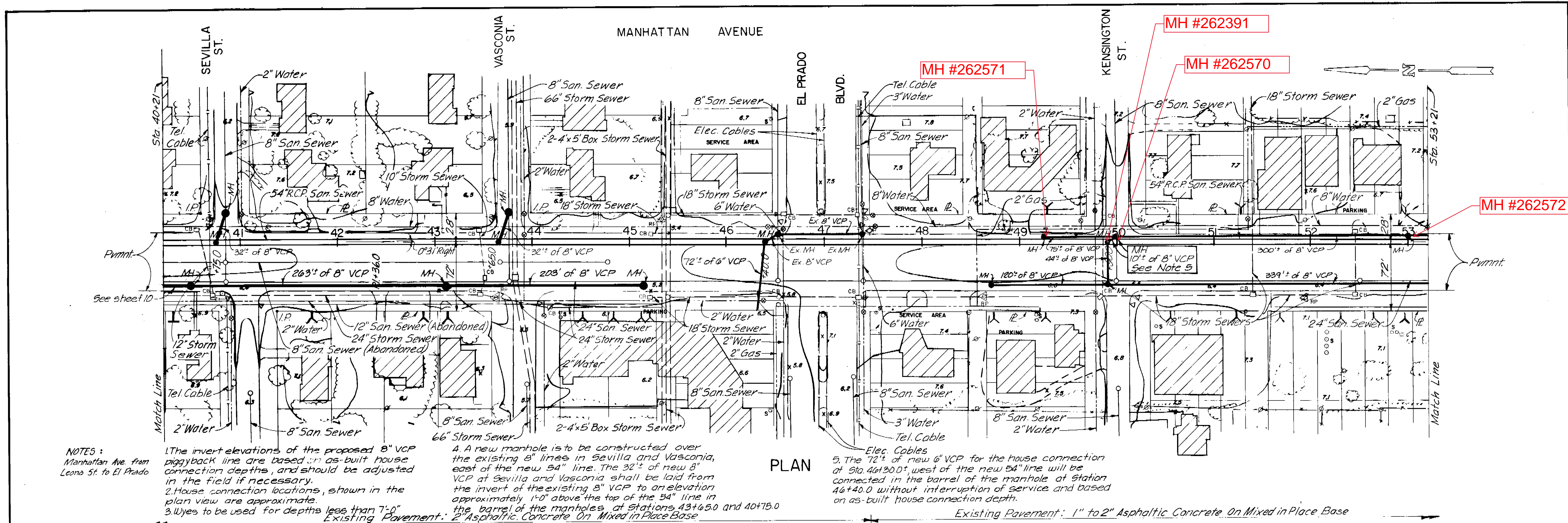
PROJ. NO. 5 202-70-90D 4B2A
SHEET 30 OF 30
DATE JUNE 1975 REV. 1

186-031 185



COMPILED BY PHOTOGRAMMETRIC METHODS ABRAMS AERIAL SURVEY CORPORATION LANSING, MICHIGAN DATE OF PHOTOGRAPHY OCTOBER 1970 DATE OF MAPPING FEBRUARY 1971		REFERENCE POINT THESE SELECTED POINTS ARE PLOTTED WITH EXTREME CARE AND ARE RECOMMENDED AS BASIC TIES DURING CONSTRUCTION.	5 10/19/81 Added 8" piggyback lines and corresponding notes 7/16/80 TLW Reorient Manhole Barrels 3/15/80 TLW Delete Conn Sewer Sta 32+00 3/15/80 TLW Relocate Manhole 11/18/79 TLW Rev Sheet Numbers	SCALE 50 0 50 100 FT HORIZ. 1" = 50' 5 0 5 10 VERT. 1" = 5'	CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM MANHATTAN AVE. 8" PIGGYBACK LINES	DIVISION 4B2 PLAN AND PROFILE STA. 27+21 TO STA 40+21	PROJ. NO. S 202-70-300 4B2 SHEET 10 OF 30 DATE SEPT. 1972 REV. 4
GREELEY AND HANSEN ENGINEERS 14 E. JACKSON BOULEVARD CHICAGO, ILLINOIS 60604	DESIGNED D.M.B., R.A.K. DRAWN F.F.L., A.A. CHECKED T.L.W.	APPROVED DATE _____ SUPT., DEPT. OF SANITARY SEWERS DATE _____ GREELEY AND HANSEN, ENGINEERS	NO. DATE APP. REVISION				

186-034 (85)

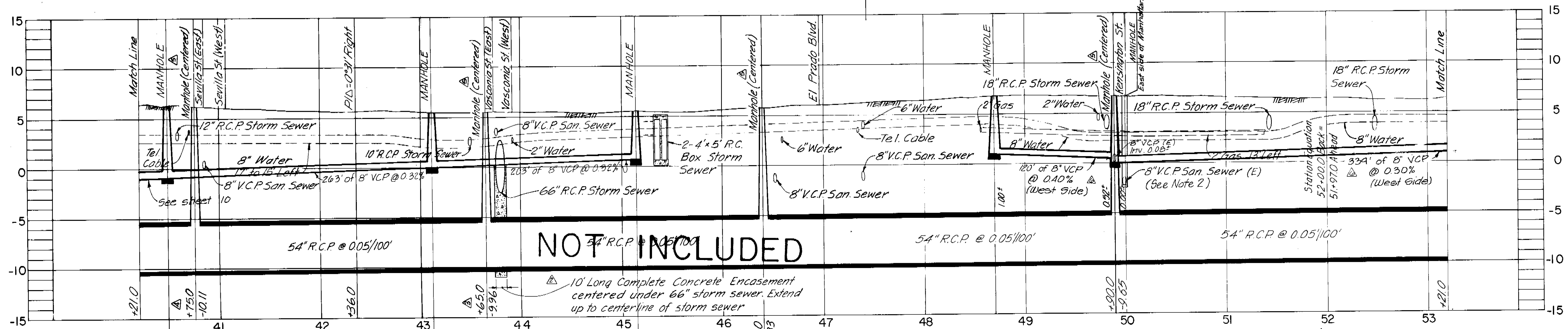


NOTES:
 1. The invert elevations of the proposed 8" VCP piggyback line are based on as-built house connection depths, and should be adjusted in the field if necessary.
 2. House connection locations, shown in the plan view are approximate.
 3. Pipes to be used for depths less than 7'-0". Existing Pavement: 2" Asphaltic Concrete On Mixed in Place Base

4. A new manhole is to be constructed over the existing 8" lines in Sevilla and Vasconia, east of the new 54" line. The 32'± of new 8" VCP at Sevilla and Vasconia shall be laid from the invert of the existing 8" VCP to an elevation approximately 1'-0" above the top of the 54" line in the barrel of the manholes, at stations 43+65.0 and 40+75.0

5. The 72'± of new 6" VCP for the house connection at Sta. 46+30.0, west of the new 54" line will be connected in the barrel of the manhole at station 46+40.0 without interruption of service and based on as-built house connection depth.

Existing Pavement: 1" to 2" Asphaltic Concrete On Mixed in Place Base



NOTES:
 1. The invert elevations of the proposed 8" VCP piggyback (west side) shown in the profile view are approximate and should be adjusted in the field if necessary.
 2. The invert elevations of the proposed 8" VCP piggyback on the east side of Manhattan Ave have not been shown in the profile view. This line should be constructed at the same line and grade as the 8" sewer on the west side with field adjustment as necessary to clear the 8" water line.
 3. The location of the house connections have been shown approximately in the plan view. See file 5417/18
 4. Move the proposed MH at the intersection of Euclid Ave. and Manhattan Ave from Station 51+00 to 51+10.0
 5. A new manhole is to be constructed over the existing 8" line in Kensington, east of the new 54" line. The 10'± of new VCP shall be laid from the invert of the existing 8" VCP to an elevation approximately 1'-0" above the top of the new 54" line in the barrel of the manhole at station 49+90.0

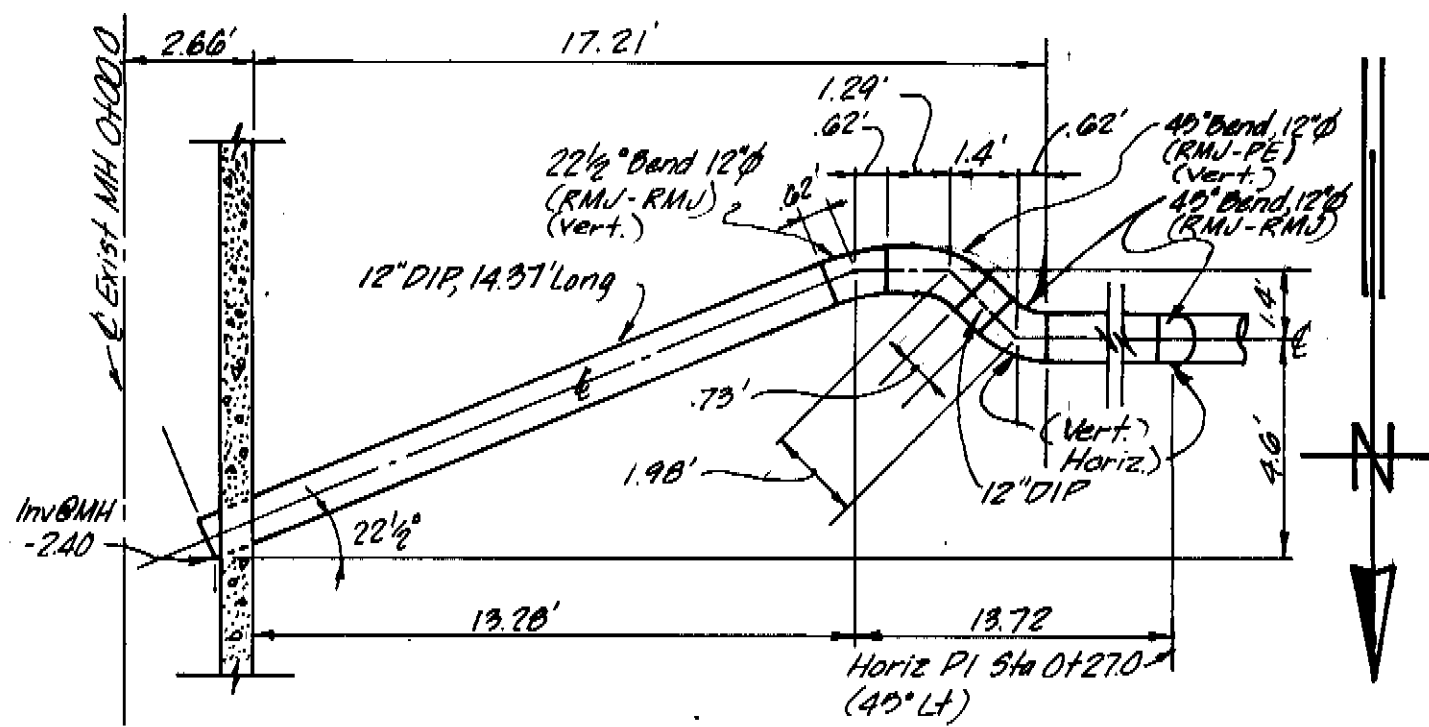
AS BUILT

COMPILED BY PHOTOGRAMMETRIC METHODS ABRAMS AERIAL SURVEY CORPORATION LANSING, MICHIGAN		REFERENCE POINT THESE SELECTED POINTS ARE PLOTTED WITH EXTREME CARE AND ARE RECOMMENDED AS BASIC TIES DURING CONSTRUCTION																																
DATE OF PHOTOGRAPHY OCTOBER 1970 DATE OF MAPPING FEBRUARY 1971	DESIGNED DMB DRAWN A.A., F.F.L. CHECKED T.L.W.	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>APP.</th> <th>REVISION</th> </tr> <tr> <td>7</td> <td>10/9/81</td> <td></td> <td>Added piggyback lines and corresponding notes</td> </tr> <tr> <td>8</td> <td>9/19/81</td> <td></td> <td>Add piggyback lines</td> </tr> <tr> <td>9</td> <td>7/16/80</td> <td>T.L.W.</td> <td>Relocate Manhole Barrels</td> </tr> <tr> <td>10</td> <td>2/28/80</td> <td>T.L.W.</td> <td>Add Manhole Sta. 40+75</td> </tr> <tr> <td>11</td> <td>2/28/80</td> <td>T.L.W.</td> <td>Relocate Manholes</td> </tr> <tr> <td>12</td> <td>1/25/80</td> <td>T.L.W.</td> <td>Add Encasement Sta. 43+00</td> </tr> <tr> <td>13</td> <td>1/18/79</td> <td>T.L.W.</td> <td>Rev. Sheet Numbers</td> </tr> </table>	NO.	DATE	APP.	REVISION	7	10/9/81		Added piggyback lines and corresponding notes	8	9/19/81		Add piggyback lines	9	7/16/80	T.L.W.	Relocate Manhole Barrels	10	2/28/80	T.L.W.	Add Manhole Sta. 40+75	11	2/28/80	T.L.W.	Relocate Manholes	12	1/25/80	T.L.W.	Add Encasement Sta. 43+00	13	1/18/79	T.L.W.	Rev. Sheet Numbers
NO.	DATE	APP.	REVISION																															
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13	1/18/79	T.L.W.	Rev. Sheet Numbers																															
GREELEY AND HANSEN ENGINEERS 14 E. JACKSON BOULEVARD CHICAGO, ILLINOIS 60604	APPROVED DATE _____ SUPT., DEPT. OF SANITARY SEWERS DATE _____ GREELEY AND HANSEN, ENGINEERS	SCALE 50 0 50 100 FT HORIZ. 1" = 50' 5 0 5 10 VERT. 1" = 5'																																

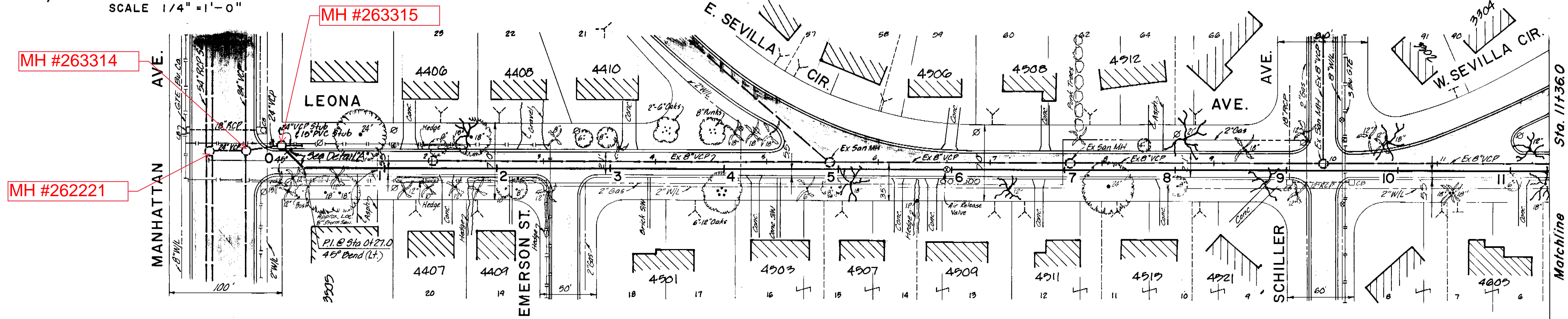
CITY OF TAMPA, FLORIDA
 SEWAGE DISPOSAL SYSTEM
MANHATTAN AVE. 8" PIGGYBACK LINES

DIVISION 4B2B
PLAN AND PROFILE
 STA. 40+21 TO STA. 53+21

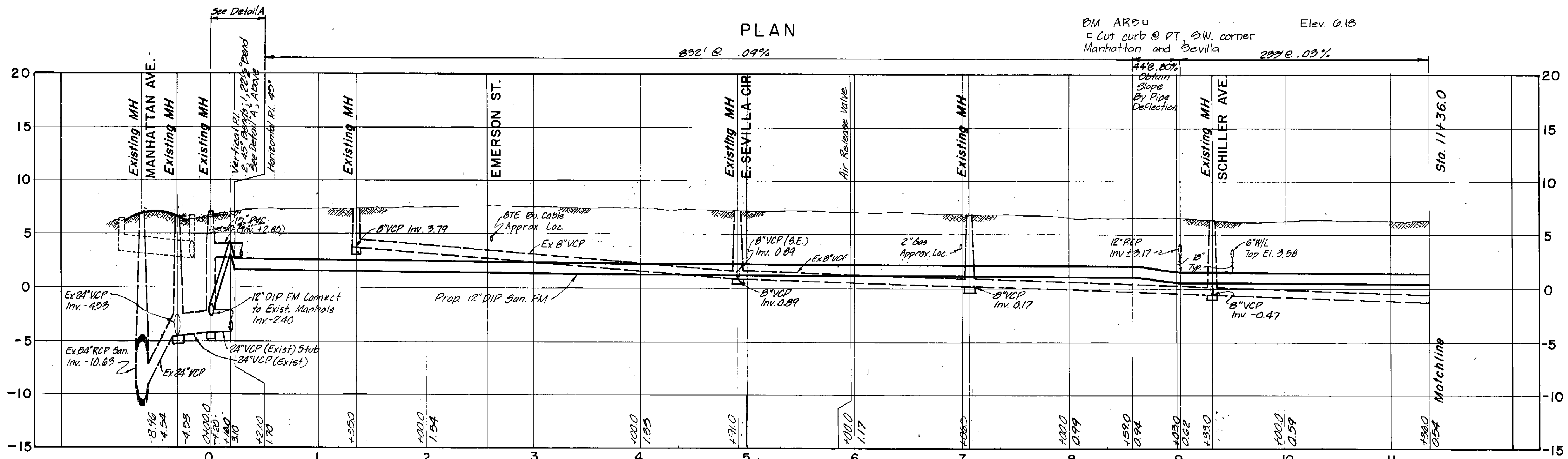
PROJ. NO. S202-70-30D 4B2
 SHEET 11 OF 30
 DATE SEPT. 1972 REV. 5



BEL-MAR REVISED UNIT NO. II



PLAN



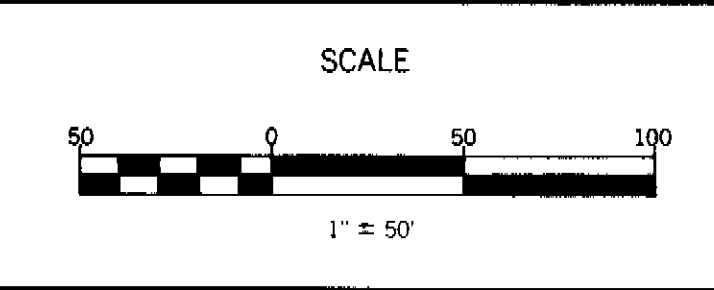
- Note:
- Contractor shall maintain vertical alignment of force main. Proposed inverts are located every 200'.
 - Provide thrust blocking where necessary.
 - Maintain 3' between proposed force main and power poles, trees, etc.
 - Locate Air Release Valves at high points of force main as determined in the field.
 - Maintain 3' minimum cover over proposed force main.
 - Replace pavement full width with Asphaltic Concrete Type 5-1.
 - Proposed force main shall be spiral wrapped in OSHA standard green vinyl tape as per DSS Specifications.
 - All elevations are based on NOS datum.
 - Location of existing underground utilities have been prepared from the most reliable information available to the engineer. Verify the location and depth of all pertinent utilities prior to construction. Notify utility companies in the area at least 48 hours prior to construction.
 - Existing house laterals shall be protected during installation of proposed force main.

Ralph Metcalf, II, P.E. #23041
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DES: DYS
DRN: DEP
CKD: AC
DATE: 8/85

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

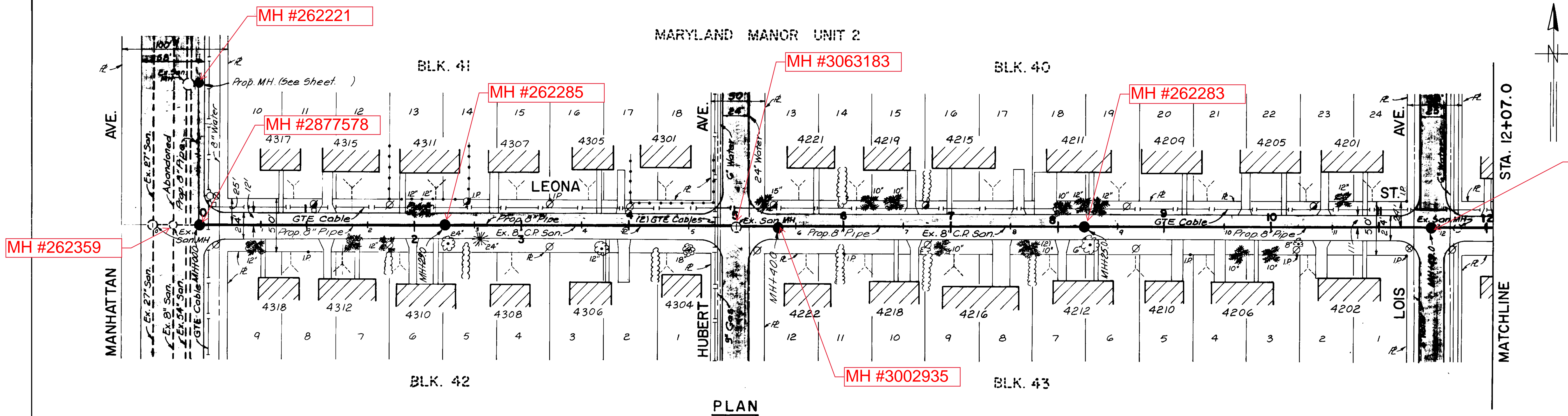
NO.	DATE	REVISIONS
1	8-21-86	AS-BUILT 8" STORM SEW & AIR RELEASE VALVE EXC
2		
3		
4		
5		



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

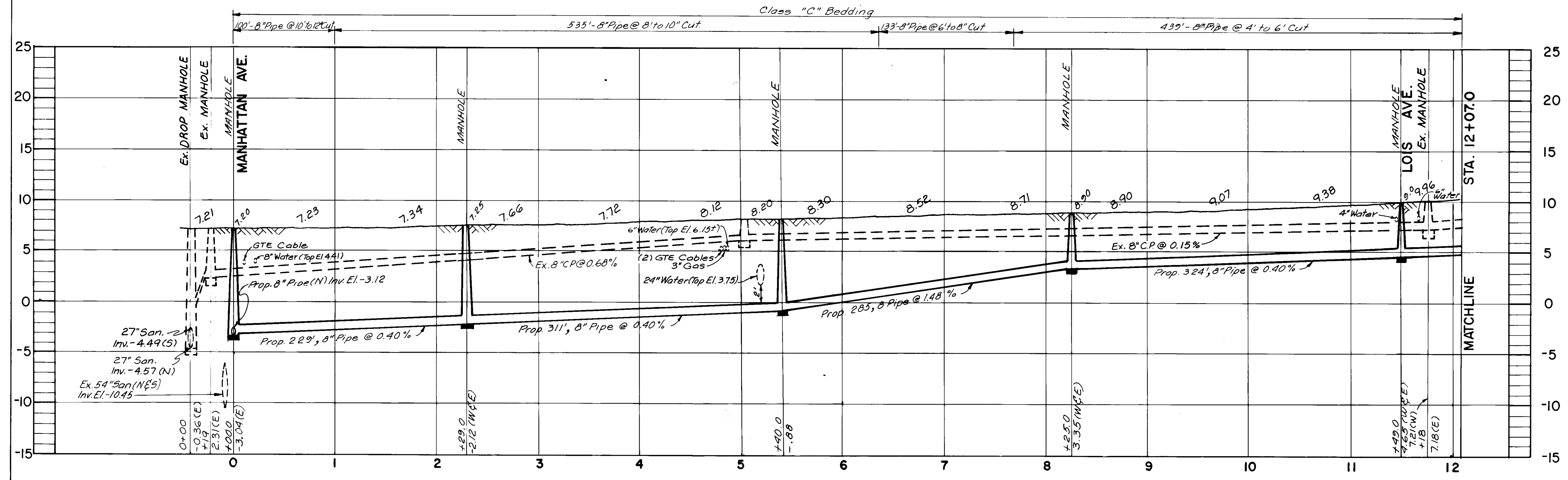
LAUREL FORCE MAIN
LEONA AVENUE / From MANHATTAN AVENUE to WEST of SCHILLER AVENUE

SHEET
3
OF 6



- NOTES**
- 1) All elevations are based on N.O.S. 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 in the area at least 48 hours before beginning construction.
 - 3) House connections are representative only. Exact locations are unknown.
 - 4) Replace pavement full width with Asphaltic Concrete Type S-1.
 - 5) Replace 6" laterals to property line and install Clean Out per standard Detail.

PLAN



PROFILE

ANDREW T. CRONBERG, P.E. #32560

 CHIEF ENGINEER

 DEPARTMENT of SANITARY SEWERS

DES: C.L.

 DRN: WBA/ Eio.

 CKD: JW

 DATE: 12-23-89

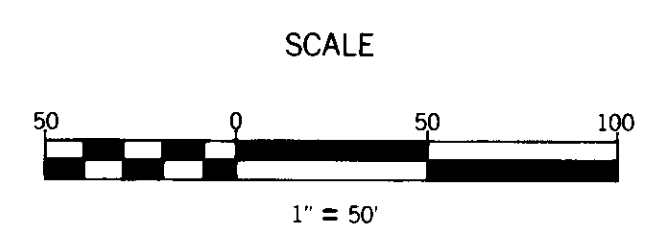
APPROVED BY

 JACK P. MORRISS, P.E.

 DIRECTOR

 DEPARTMENT of SANITARY SEWERS

NO	DATE	REVISIONS
1		
2		
3		
4		
5		



DEPARTMENT of SANITARY SEWERS

 CITY of TAMPA, FLORIDA

 RENEWAL & REPLACEMENT

 SEWER IMPROVEMENTS

LEONA ST.: From Manhattan Ave.

 to Lois Ave.

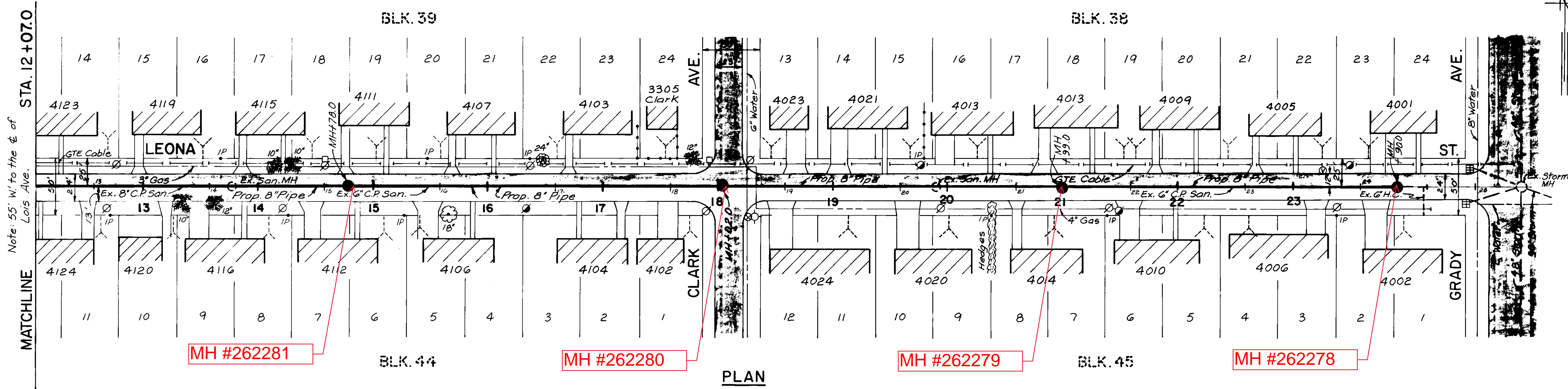
SHEET

 1

 OF 3

243-019

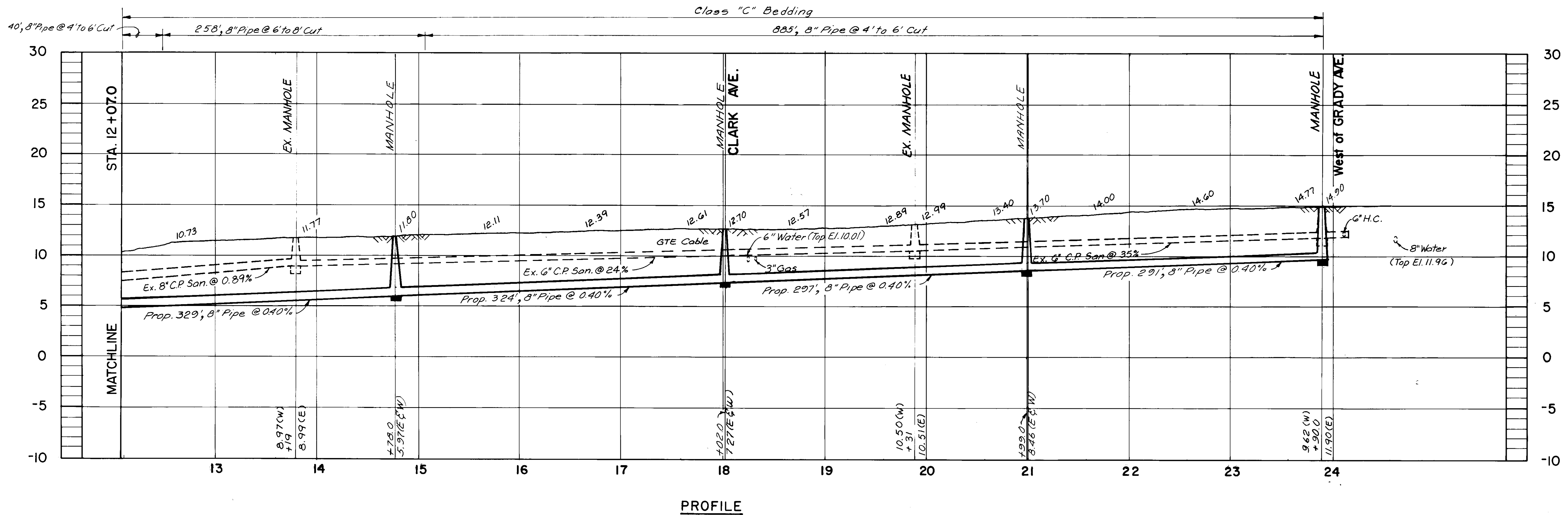
MARYLAND MANOR UNIT 2




W. O. 4090

NOTES

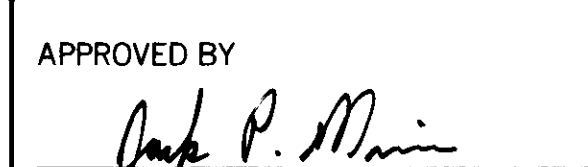
- 1) All elevations are based on N.O.S. datum unless otherwise noted.
- 2) Locations of existing underground utilities were prepared from the most reliable information available. Verify the location and depth of all pertinent utilities prior to construction. Notify utility companies in the area at least 48 hours before beginning construction.
- 3) House connections are representative only. Exact locations are unknown.
- 4) Replace pavement full width with Asphaltic Concrete Type S-1.
- 5) Replace 6" laterals to property line and install Clean Out per standard Detail.



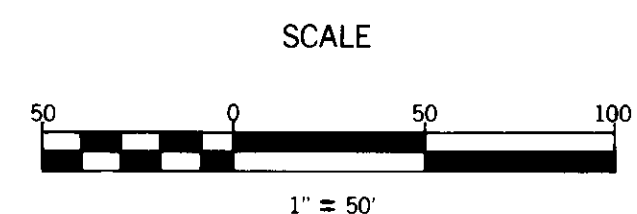
PROFILE


 ANDREW T. CRONBERG, P.E. # 32550
 CHIEF ENGINEER
 DEPARTMENT of SANITARY SEWERS

DES: C. L.
 DRN: WBA/Elo.
 CKD: DW
 DATE: 12-23-87

APPROVED BY

 JACK P. MORRIS, P.E.
 DIRECTOR
 DEPARTMENT of SANITARY SEWERS

NO	DATE	REVISIONS
1		
2		
3		
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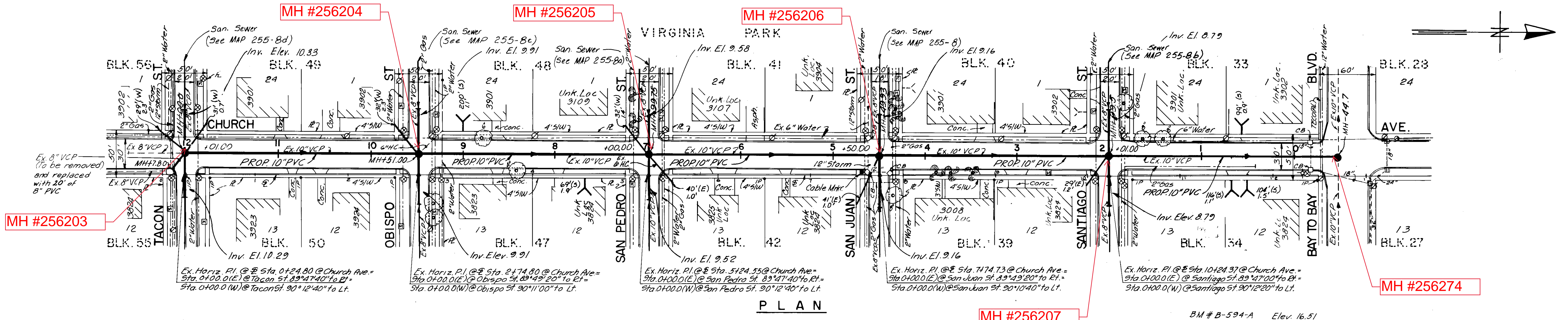


DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS

LEONA ST.: From Lois Ave. to Grady Ave.

SHEET
2
 OF 3

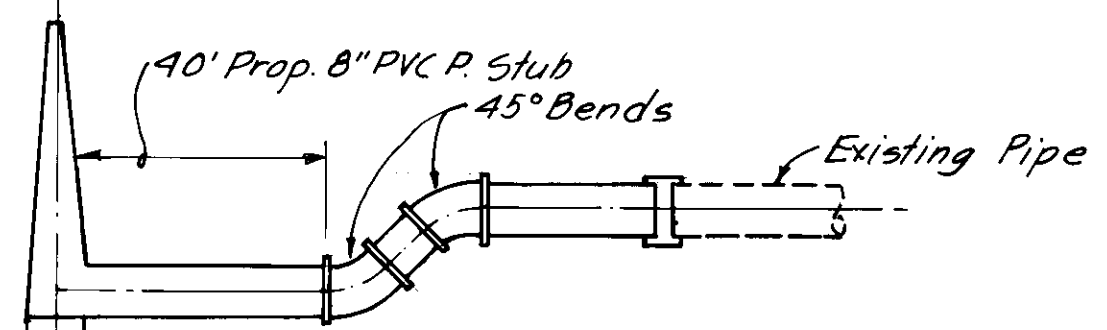
243-020



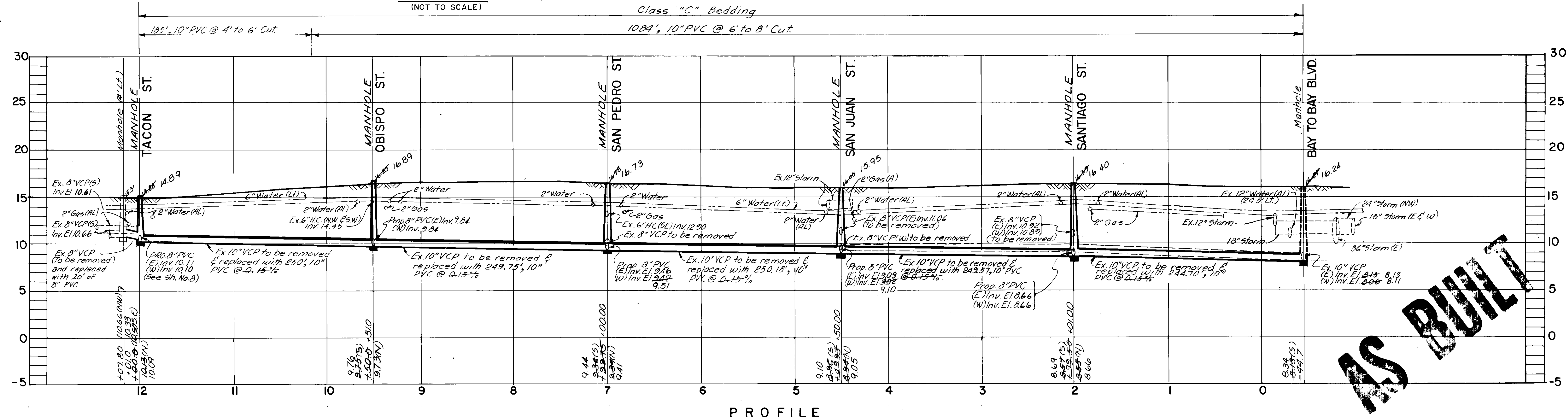
PLAN
DESIGN W.O. 4090

NOTES

- 1: Replace existing laterals to property line and install a clean out.
- 2: Connect proposed 8" stub to existing with a flexible coupling.
- 3: All side streets shall be stubbed out 40' with 8" PVC. Invert elevations shall be as shown.



CONNECTION DETAIL
SANTIAGO AND SAN JUAN
STREET ONLY
(NOT TO SCALE)



PROFILE

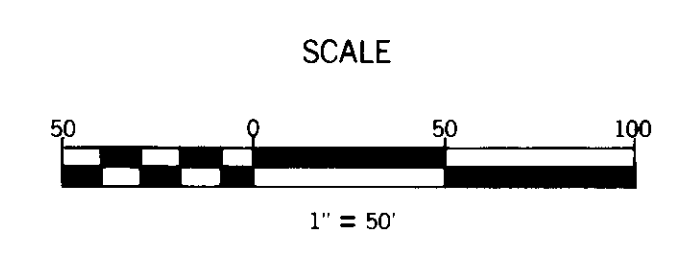
AS BUILT

ANDREW T. CRONBERG, P.E. # 32580
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DES: R. G.
DRN: E10.
CKD: DW
DATE: 8-3-88

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

NO.	DATE	REVISIONS
1	4/93	AS-BUILT Per Insp't Rpt.; Survey
2		
3		
4		
5		

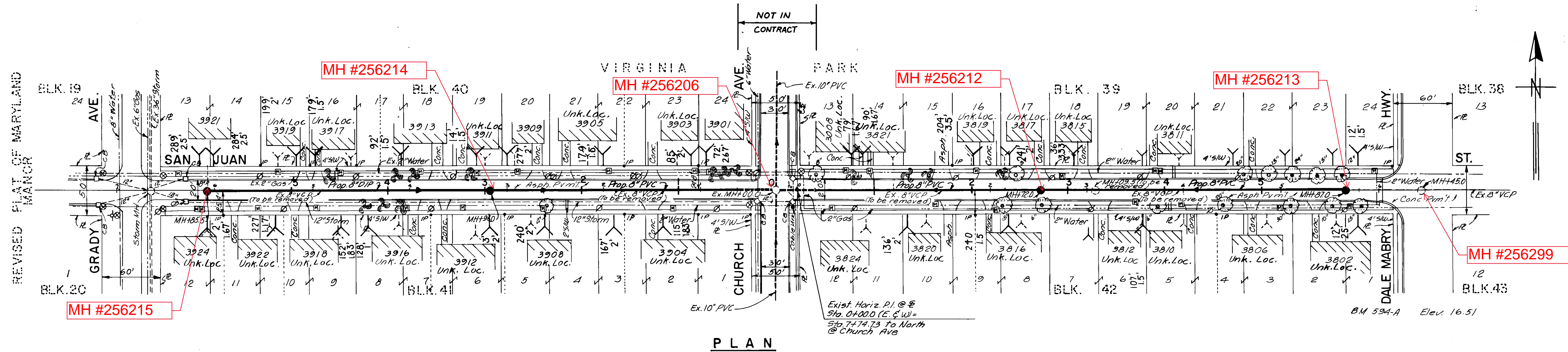


DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

SANTIAGO COLLECTION SYSTEM
REPLACEMENT
CHURCH AVE.: From Tacon St. to
Bay to Bay Blvd.

SHEET
3
OF 11

252-013

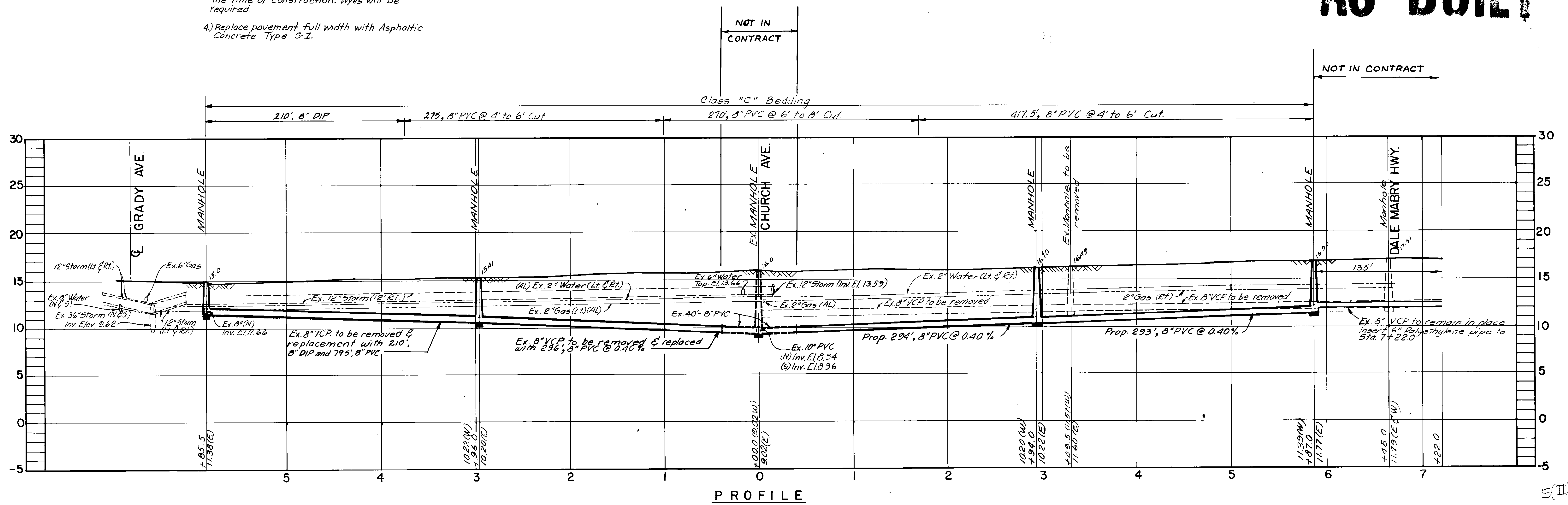


PLAN
DESIGN W.O. 4090

NOTES

- 1) All elevations are based on N.O.S. 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 in the area at least 48 hours before beginning construction.
- 3) New house connections are representative only. Exact locations will be determined in the field at the time of construction. Wyes will be required.
- 4) Replace pavement full width with Asphaltic Concrete Type 5-Z.
- 5) Where an existing sewer line is to be abandoned or removed existing house connections are to be connected to the new line while maintaining continuous service. Existing house connection locations are approximate only.

AS BUILT



PROFILE

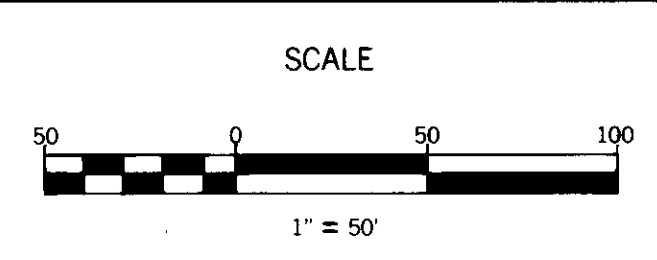
DES: R.G.
DRN: E10
CKD: HWP
DATE: 4/14/99

ANDREW T. CRONBERG, P.E. #32560
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

APPROVED BY

JACK P. MORRIS, P.E.
DIRECTOR
DEPARTMENT OF SANITARY SEWERS

NO.	DATE	REVISIONS
1	2/8/99	As-built - HC only.
2		
3		
4		
5		



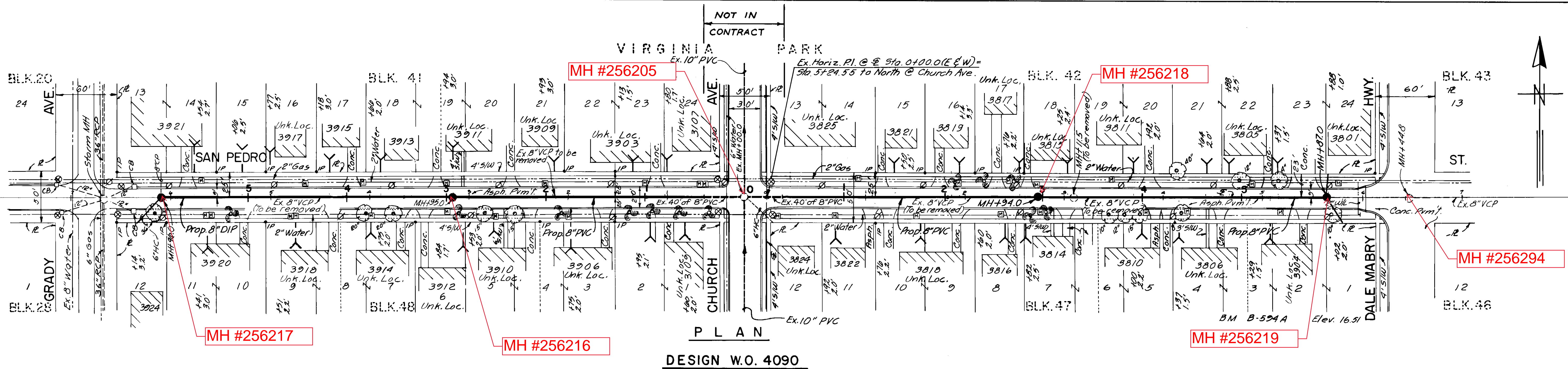
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

SANTIAGO COLLECTION SYSTEM
REPLACEMENT
SAN JUAN ST.: From Grady Ave. to
Dale Mabry Hwy.

SHEET
OF

255-008

REVISED PLAT OF MARYLAN MANOR

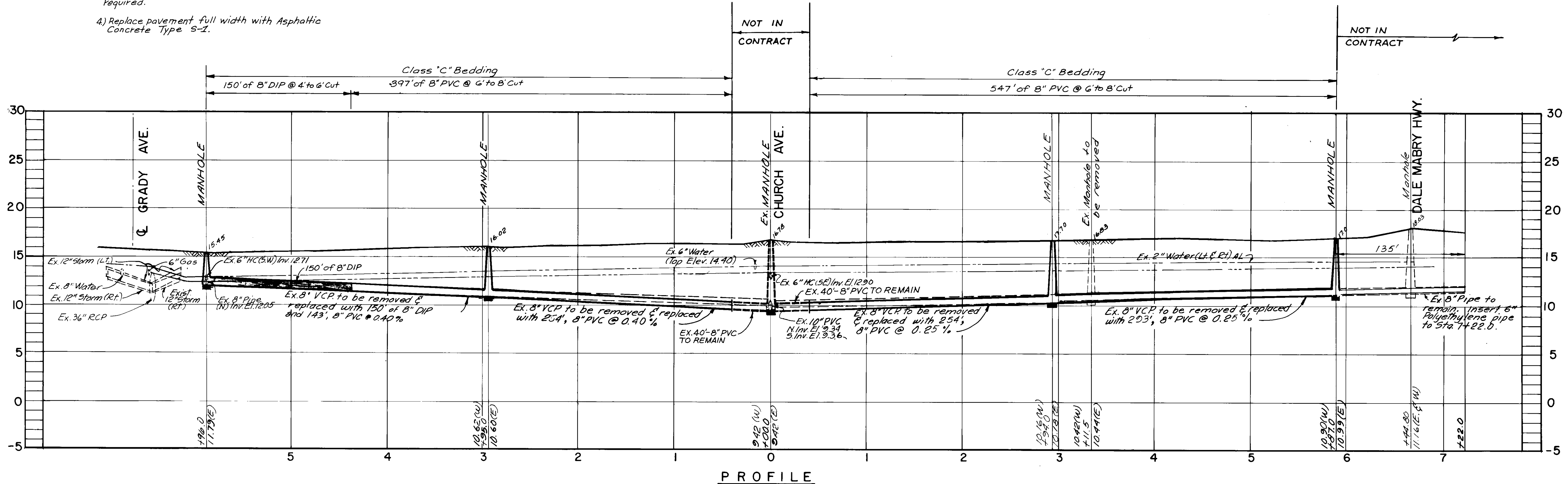


DESIGN W.O. 4090

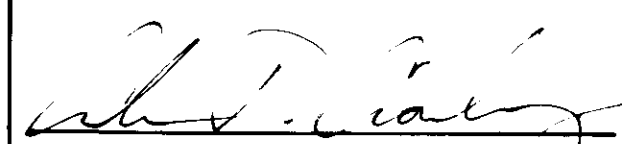
NOTES

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- 4) Replace pavement full width with Asphaltic Concrete Type S-1.
- 5) Where an existing sewer line is to be abandoned or removed existing house connections are to be connected to the new line while maintaining continuous service. Existing house connection locations are approximate only.

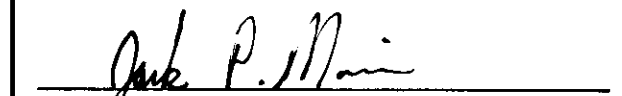
AS BUILT



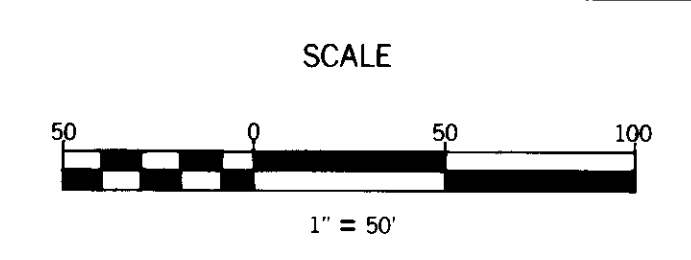
PROFILE


 ANDREW T. CRONBERG, P. E. # 32560
 CHIEF ENGINEER
 DEPARTMENT OF SANITARY SEWERS

DES: R. G.
 DRN: E10.
 CKD: HLD
 DATE: 4-28-89

APPROVED BY

 JACK P. MORRIS, P. E.
 DIRECTOR
 DEPARTMENT OF SANITARY SEWERS

NO.	DATE	REVISIONS
1	9-26-89	As-Built House Connections RAR
2		
3		
4		
5		



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

SANTIAGO COLLECTION SYSTEM
 REPLACEMENT
 SAN PEDRO ST.: From Grady Ave. to
 Dale Mabry Hwy.

SHEET

255-008A

MH #256319

MH #256208

MH #256211

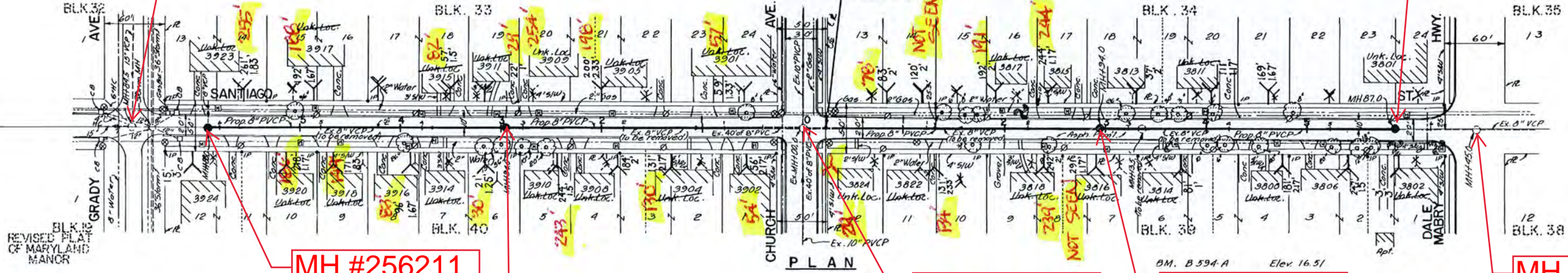
MH #256210

MH #256207

MH #256209

MH #256304

DESIGN W.O. 4276
4319

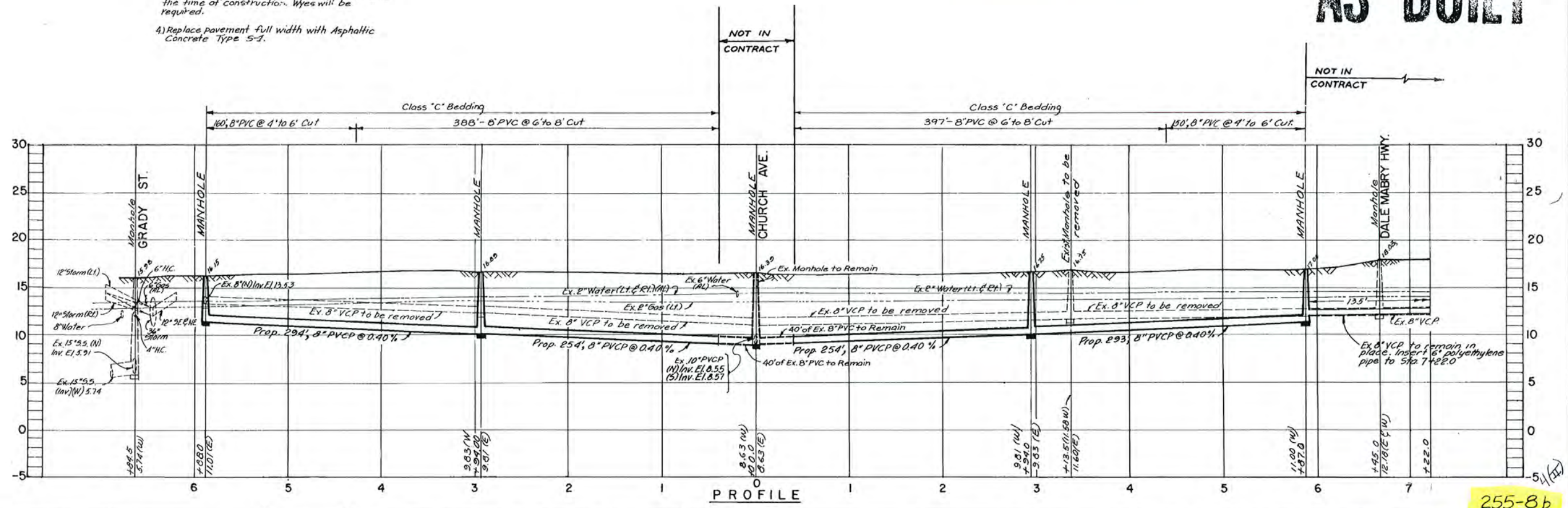


NOTES

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- 4) Replace pavement full width with Asphaltic Concrete Type 5-1.
- 5) Where an existing sewer line is to be abandoned or removed existing house connections are to be connected to the new line while maintaining continuous service. Existing house connection locations are approximate only.

NOTE: TAP LOCATIONS & NOTATIONS ARE TAKEN FROM A TV REPORT DATED 06/10/08

AS BUILT



PROFILE

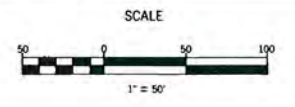
255-8b

ANDREW T. CRONBERG, P.E. #38580
CHIEF ENGINEER
DEPARTMENT OF SANITARY SEWERS

DES: R. G.
DRN: ELO.
CKD: HLD
DATE: 8-24-89

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

NO.	DATE	REVISIONS
1	2/8/99	As-built HC only
2		
3		
4		
5		



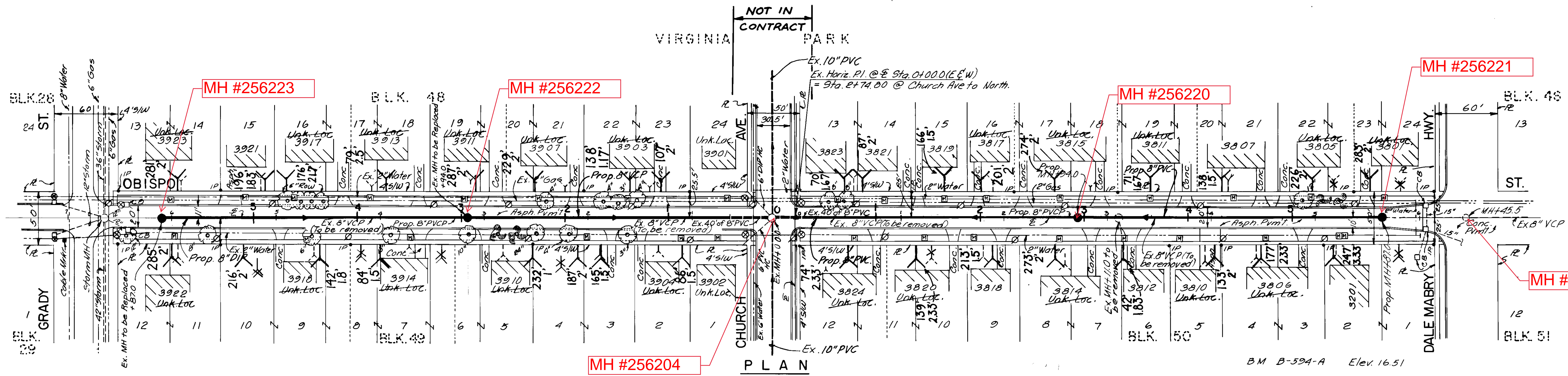
DEPARTMENT of SANITARY SEWERS
CITY of TAMPA, FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

SANTIAGO COLLECTION SYSTEM
REPLACEMENT
SANTIAGO ST.: From Grady Ave. to Dale Mabry Hwy.

SHEET OF

255-008B

REVISED PLAN OF MARYLAND MANOR

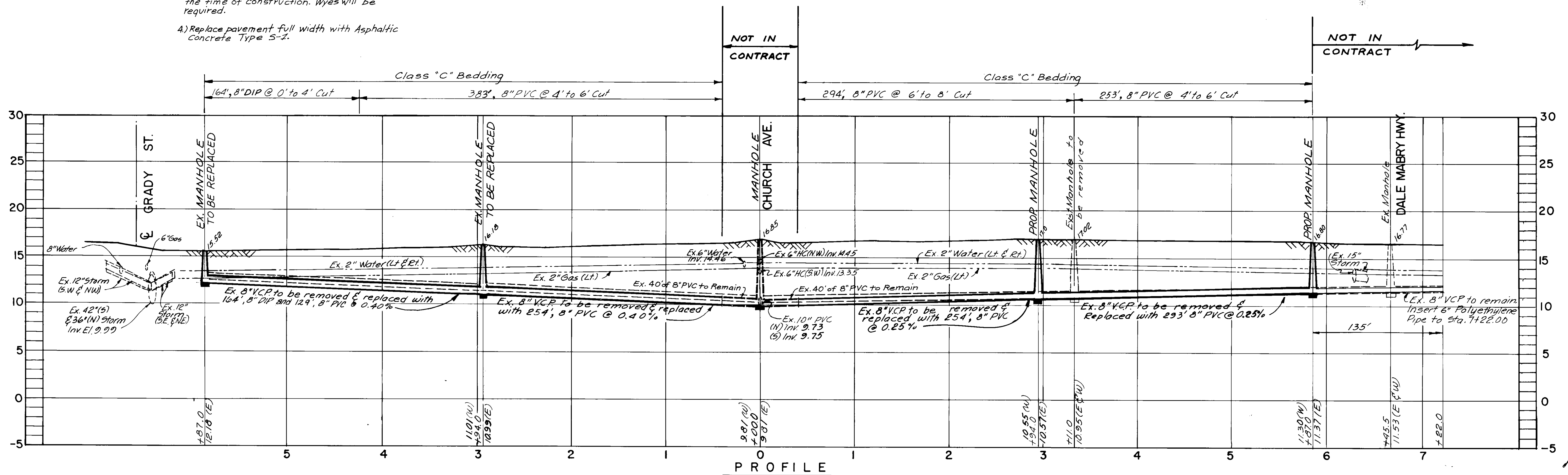


DESIGN W.O. 4275


NOTES

- 1) All elevations are based on N.O.S. datum unless otherwise noted.
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- 3) New house connections are representative only. Exact locations will be determined in the field at the time of construction. Wyes will be required.
- 4) Replace pavement full width with Asphaltic Concrete Type 5-7.
- 5) Where an existing sewer line is to be abandoned or removed existing house connections are to be connected to the new line while maintaining continuous service. Existing house connection locations are approximate only.

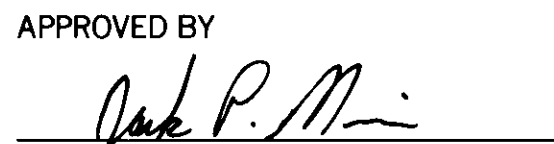
AS BUILT



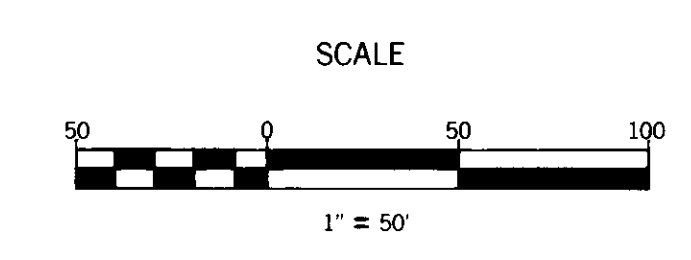
PROFILE


 ANDREW T. CRONBERG, P.E. # 3254
 CHIEF ENGINEER
 DEPARTMENT OF SANITARY SEWERS

DES. R.G.
 DRN: E10.
 CKD: HLD
 DATE: 7-15-89

APPROVED BY

 JACK P. MORRIS, P.E.
 DIRECTOR
 DEPARTMENT OF SANITARY SEWERS

NO.	DATE	REVISIONS
1	2/16/89	As-built - HC only
2		
3		
4		
5		

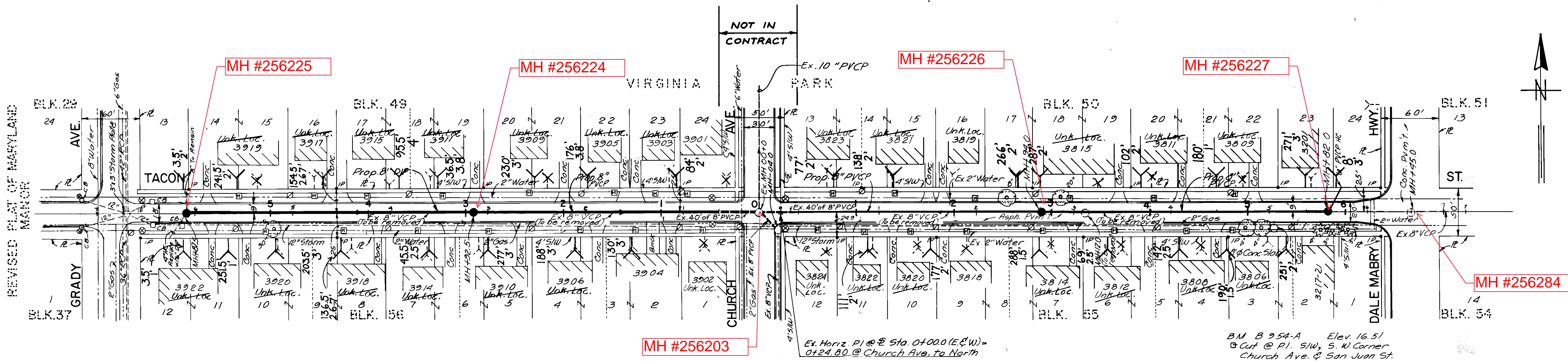


DEPARTMENT of SANITARY SEWERS
 CITY of TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS

SANTIAGO COLLECTION SYSTEM
 REPLACEMENT
 OBISPO ST.: From Grady Ave. to
 Dale Mabry Hwy.

SHEET OF

255-008C



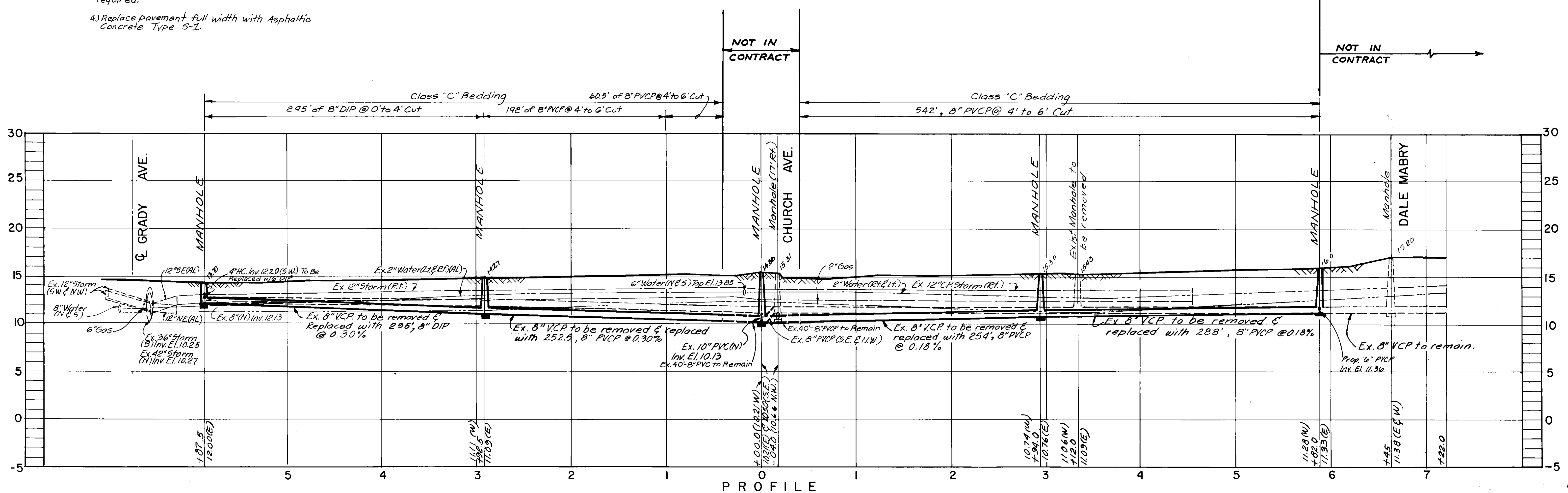
NOTES

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- 5) Where an existing sewer line is to be abandoned or removed existing house connections are to be connected to the new line while maintaining continuous service. Existing house connection locations are approximate only.

DESIGN W.O. 4277

PLAN

AS BUILT



PROFILE

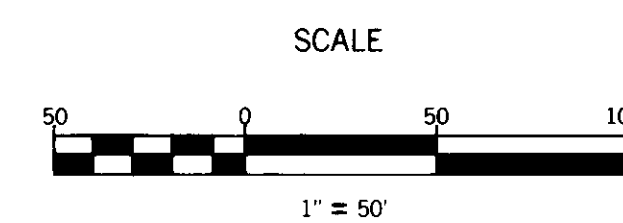
DES: R 6
 DRN: E10.
 CKD: HLB
 DATE: 8-21-89

ANDREW T. CRONBERG, P.E. # 32560
 CHIEF ENGINEER
 DEPARTMENT OF SANITARY SEWERS

APPROVED BY

JACOB P. MORRIS, P.E.
 DIRECTOR
 DEPARTMENT OF SANITARY SEWERS

NO	DATE	REVISIONS
1	2/16/99	As-built HC only.
2		
3		
4		
5		



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

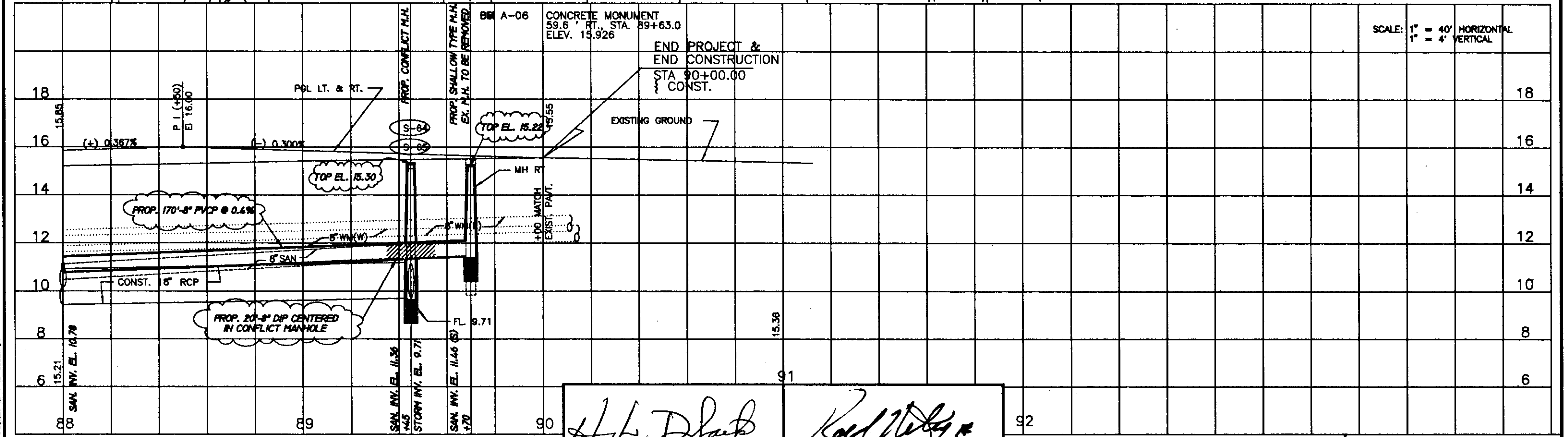
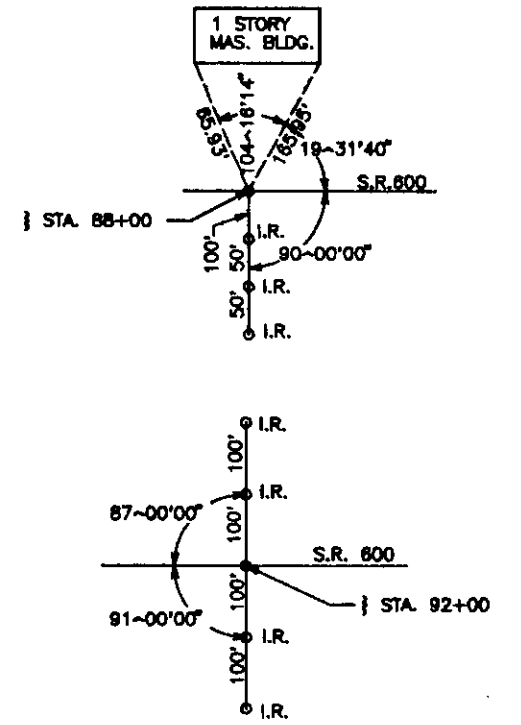
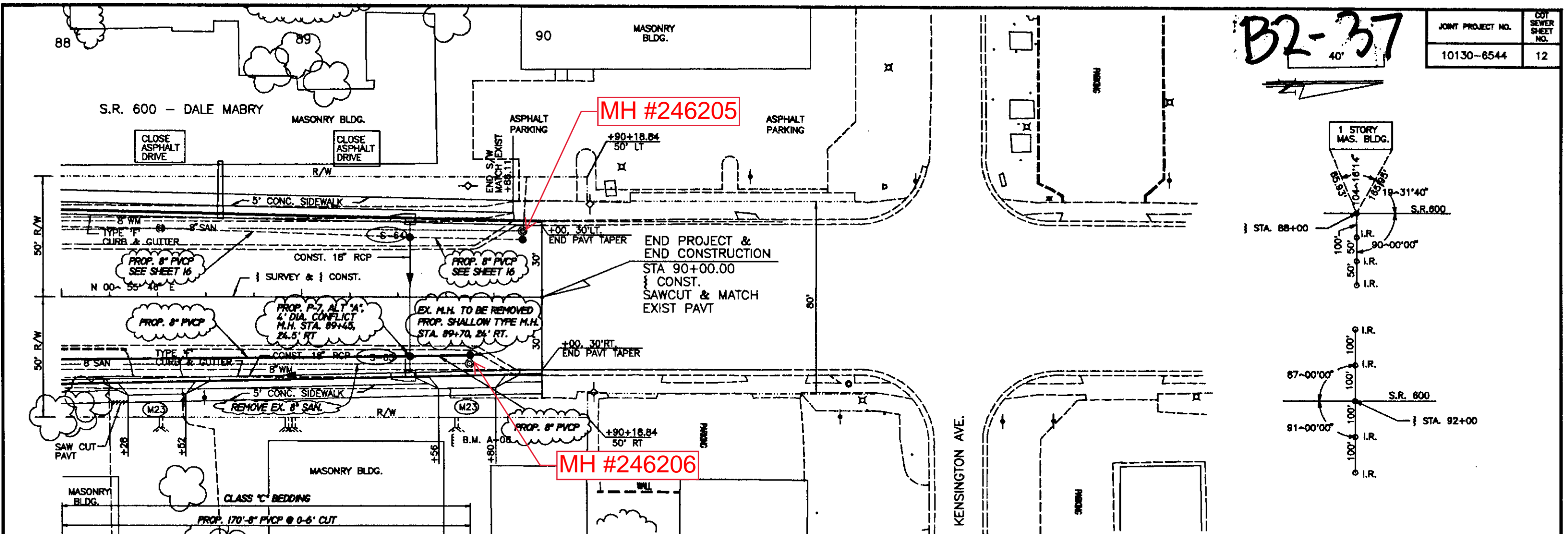
SANTIAGO COLLECTION SYSTEM
 REPLACEMENT
 TACON ST.: From Grady Ave. to
 Dale Mabry Hwy.

SHEET
 1
 OF 1

255-008D

B2-37

JOINT PROJECT NO.	10130-6544	COT SEWER SHEET NO.	12
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SCALE: 1" = 40' HORIZONTAL
1" = 4' VERTICAL

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

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

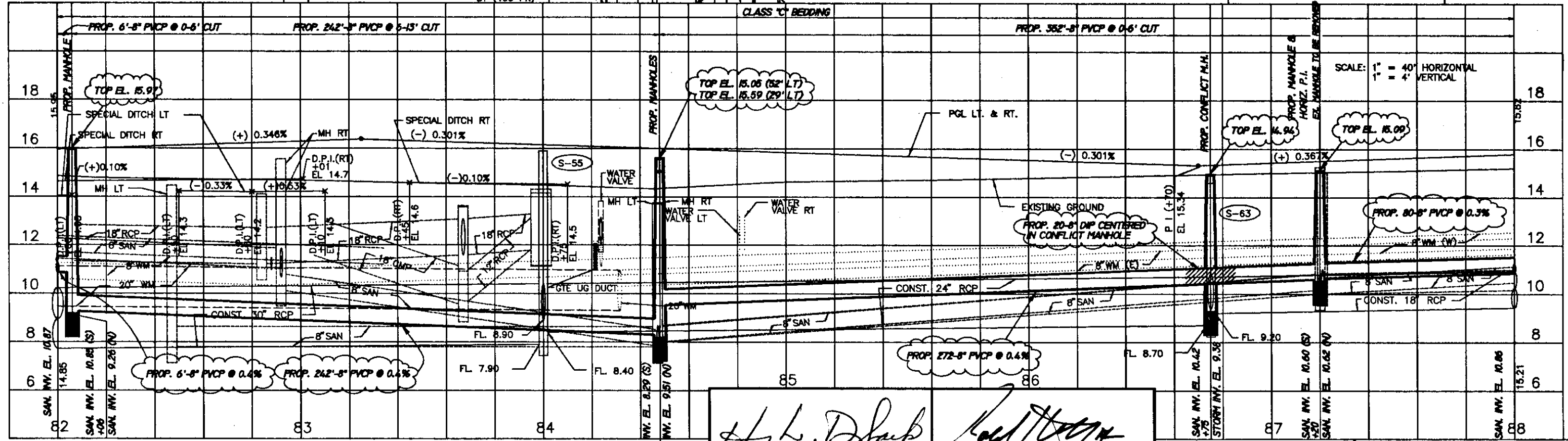
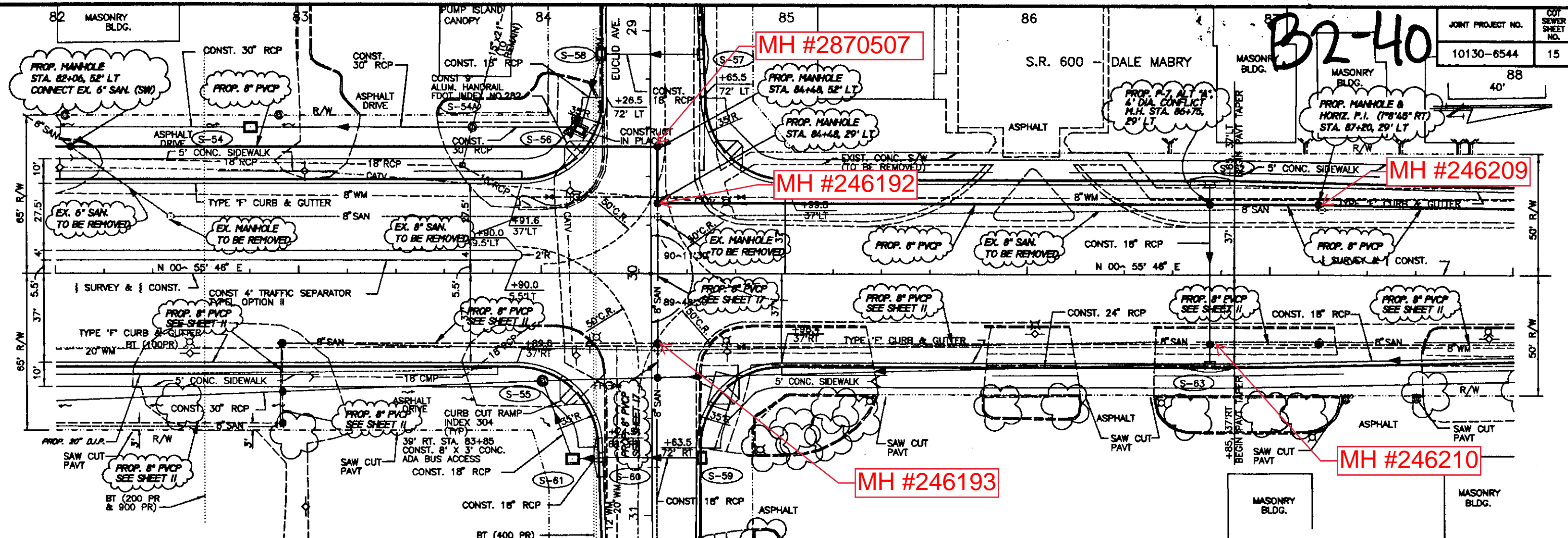
B002-037

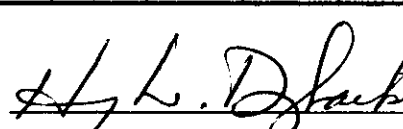
PLAN/PROFILE
EAST SIDE

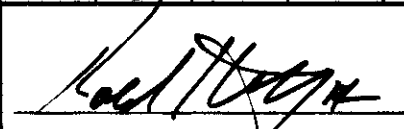
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B2-40

JOINT PROJECT NO.	10130-6544
CUT SEWER SHEET NO.	15




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


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

B002-040

PLAN/PROFILE WEST SIDE

C:\WORK\DWG\DWG\B002-040-15 1-40 STATION 44

B2-40