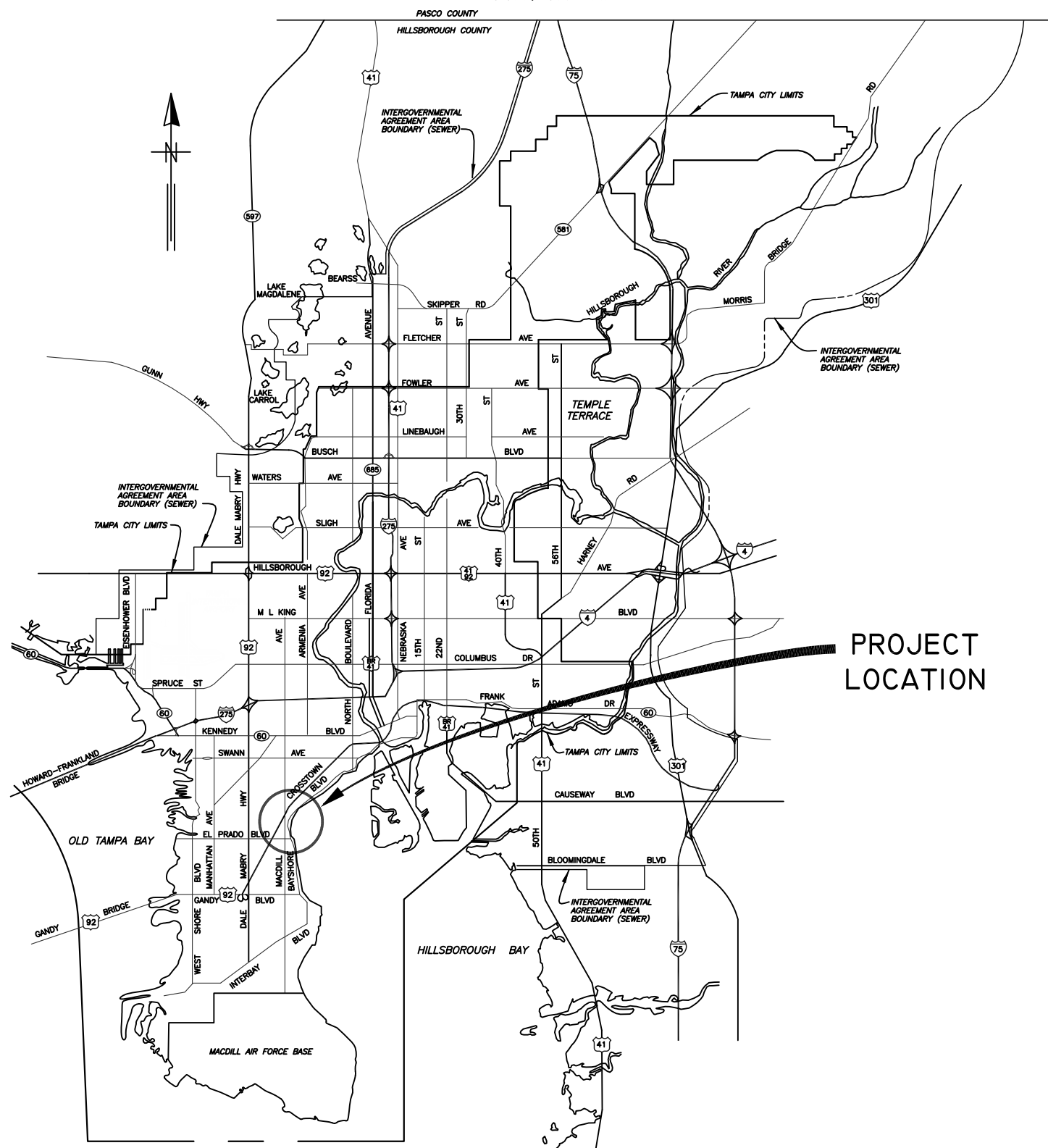


LOCATION MAP



CITY of TAMPA



WASTEWATER DEPARTMENT

PLANS FOR
BAYSHORE BEAUTIFUL COLLECTION SYSTEM
REHABILITATION BY CIPP LINING

CONTRACT No.
16-C-00006

User: sse8 Drawing Name: K:\Wastewater Projects\Bayshore Beautiful FY16 Area Project\Design\Plans\Drafting\DWG\Bayshore Beautiful Cover and Notes.dwg
Layout: Nov 10, 2015 - 8:14am CTB - WW-TOSHIBA.CTB

No.	DATE	REVISIONS
3		
2		
1		

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

DES: CLB
DRN: MRL
CKD:
DATE: 11/9/15

CITY of TAMPA
WASTEWATER DEPARTMENT

BAYSHORE BEAUTIFUL COLLECTION SYSTEM
REHABILITATION BY CIPP LINING
COVER SHEET

W.O. 1000720
SHEET
1
OF 56

GENERAL NOTES

1. THE SCOPE OF THIS PROJECT SHALL CONSIST OF REHABILITATION OF 8", 10", 12", 15" and 18" DIA WASTEWATER PIPELINE BY INSTALLATION OF CURED IN PLACE PIPE LINER AND ALL APPURTENANCE ASSOCIATED WITH COMPLETION OF THE PROJECT.
2. ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO N.G.V.D. 1929 UNLESS OTHERWISE STATED.
3. SHEETS 04-53 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. THE TABLE ON THIS SHEET, LISTS THE CONTACT NAMES AND PHONE NUMBERS FOR THE AGENCIES WITH JURISDICTION OVER THE VARIOUS LOCATIONS THROUGHOUT THIS PROJECT.
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" DIA PIPE, 600 GPM FOR 10" DIA PIPE, 800 GPM FOR 12" DIA PIPE, 1400 GPM FOR 15" DIA PIPE AND 1550 GPM FOR 18" DIA PIPE. THE BYPASS PUMPS SHALL BE OF THE SELF PRIMING QUITE FLOW TYPE PUMP. BYPASS PUMP NOISE SHALL STRICTLY COMPLY TO ALL LOCAL REGULATIONS AND ORDINANCES COVERING NOISE CONTROL. THIS MAY REQUIRE CONSTRUCTING SOUND ATTENUATING ENCLOSURE AROUND PUMPS. BYPASS METHOD SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER.
9. THE PROPOSED LINER THICKNESS FOR THE 8" SEWER SHALL BE 6.0 MM THICKNESS, 10"/12"/15" SEWER SHALL BE 7.5 MM THICKNESS AND 18" SEWER SHALL BE 9.0 MM THICKNESS.
10. CONTRACTOR SHALL RESTORE ALL LANDSCAPING, SODDING, SPRINKLER SYSTEM PIPING AND PAVEMENT THAT MAY HAVE BEEN DAMAGED DURING CONSTRUCTION TO ITS ORIGINAL CONDITION OR BETTER.
11. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH WASTEWATER PERSONNEL AND PUMPING STATION OPERATIONS.
12. OSHA STANDARD EQUIPMENT SUCH AS SAFETY HARNESSSES, GAS MONITORS, LOWER EXPLOSIVE LIMIT (LEL) DETECTORS, BREATHING APPARATUS, ETC. SHALL BE UTILIZED WHERE THE WORK DICTATES THEIR USE.

INDEX	
SHEET NUMBER	SHEET NAME
1	COVER SHEET
2	NOTE AND INDEX
3	AREA MAP
4	AREA MAP
5	AREA MAP
6	AREA MAP
7-56	Wastewater Record Drawings For Reference

PLOTTED BY Dallas Pyyor
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 LAST SAVED BY sse8
 DRAWING FILE K:\Wastewater Projects\Bayshore Beautiful FY16 Area
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 CTB - MW-TOSHIBA.CTB

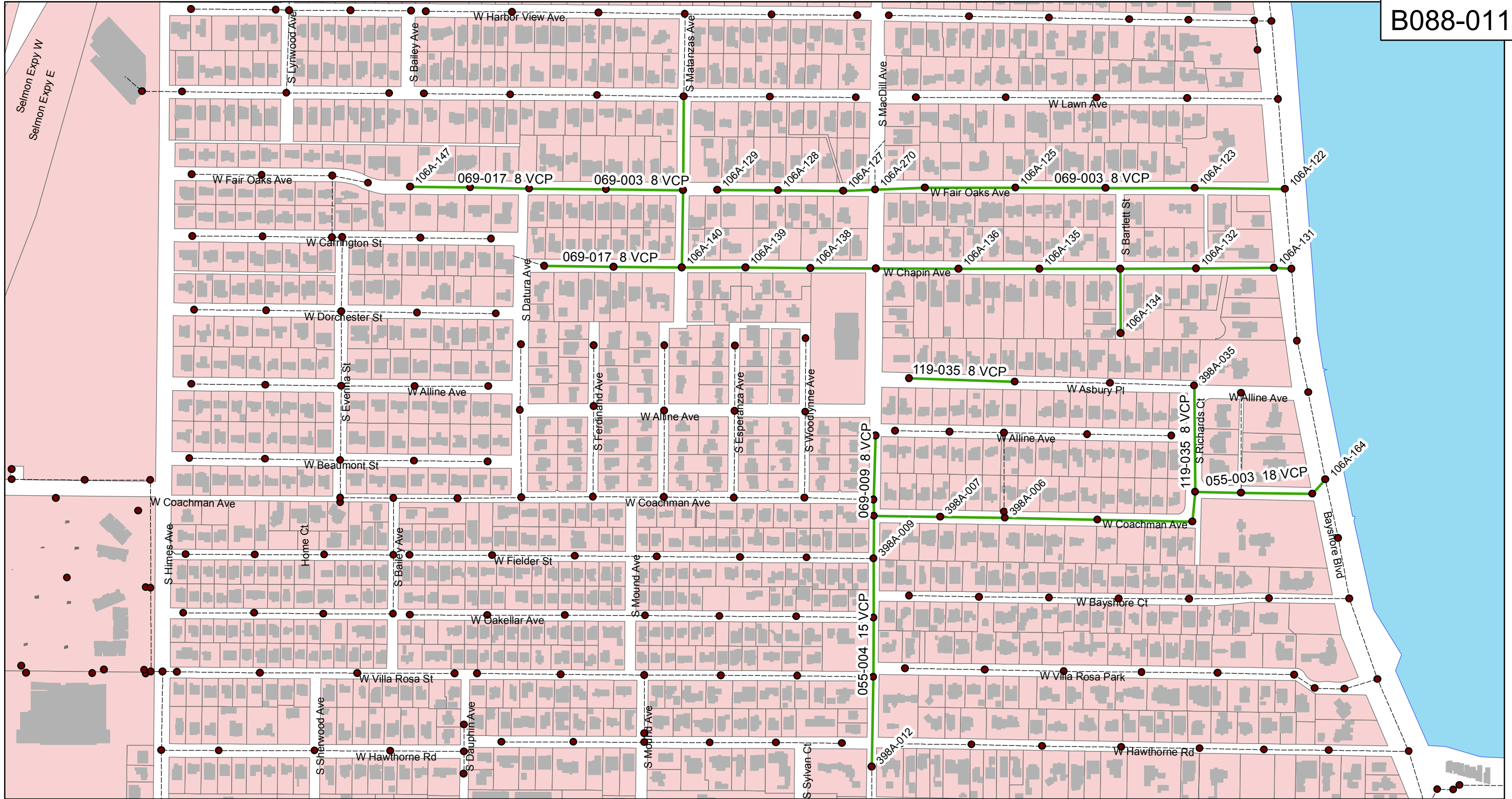
No.	DATE	REVISIONS
3		
2		
1		

DES: CLB
 DRN: GAP
 CKD:
 DATE:

CITY of TAMPA
WASTEWATER DEPARTMENT

BAYSHORE BEAUTIFUL COLLECTION SYSTEM
REHABILITATION BY CIPP LINING
NOTE AND INDEX

W.O. 1000720
 SHEET
2
 OF 56



0 0.035 0.07 0.14 Miles

Bayshore Beautiful Collection System Rehabilitation By CIPP Lining

City of Tampa Wastewater Department

Legend

- Manholes
- Proposed CIPP Lining
- - - - Ex Wastewater (no rehabilitation required)

CONTRACT No. 16-C-0006



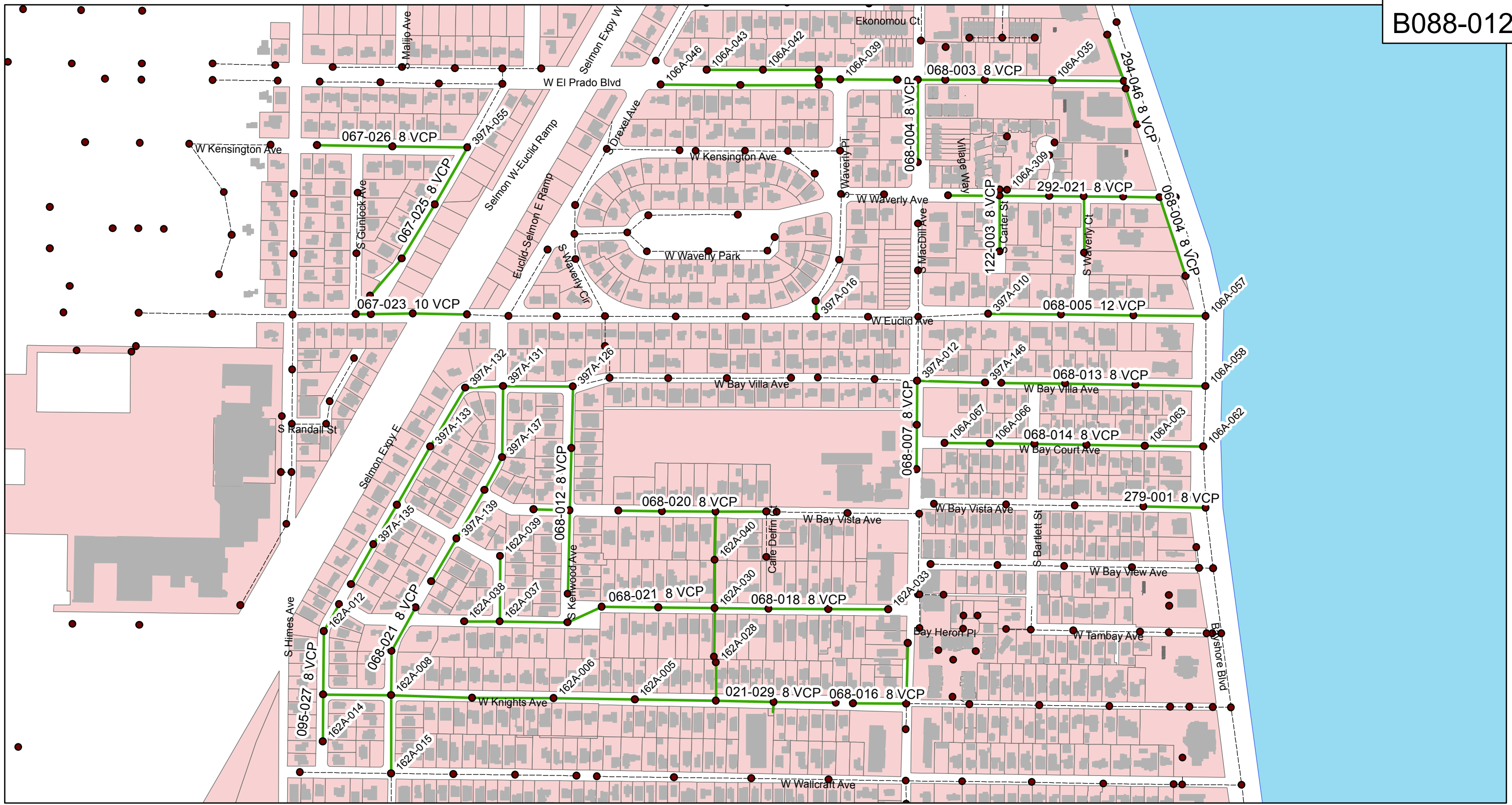
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Sheet No.

3

of 56



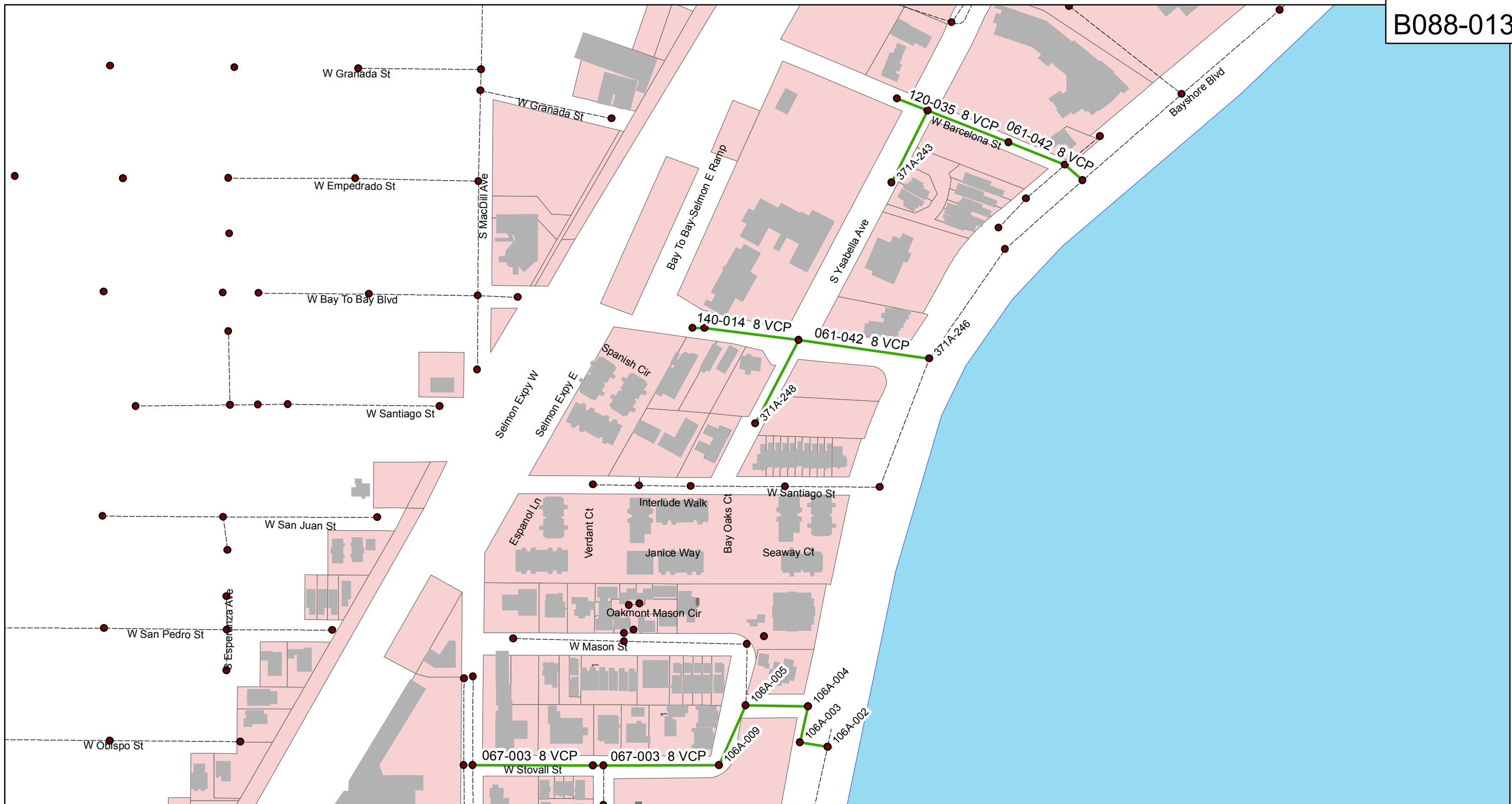
**Bayshore Beautiful Collection System
Rehabilitation By CIPP Lining**
City of Tampa Wastewater Department

Legend

- Manholes
- Proposed CIPP Lining
- - - Ex Wastewater (no rehabilitation required)

CONTRACT No. 16-C-0006





0 0.02 0.04 0.08 Miles

**Bayshore Beautiful Collection System
Rehabilitation By CIPP Lining**
City of Tampa Wastewater Department

- Legend**
- Manholes
 - Proposed CIPP Lining
 - - - Ex Wastewater (no rehabilitation required)

CONTRACT No. 16-C-0006





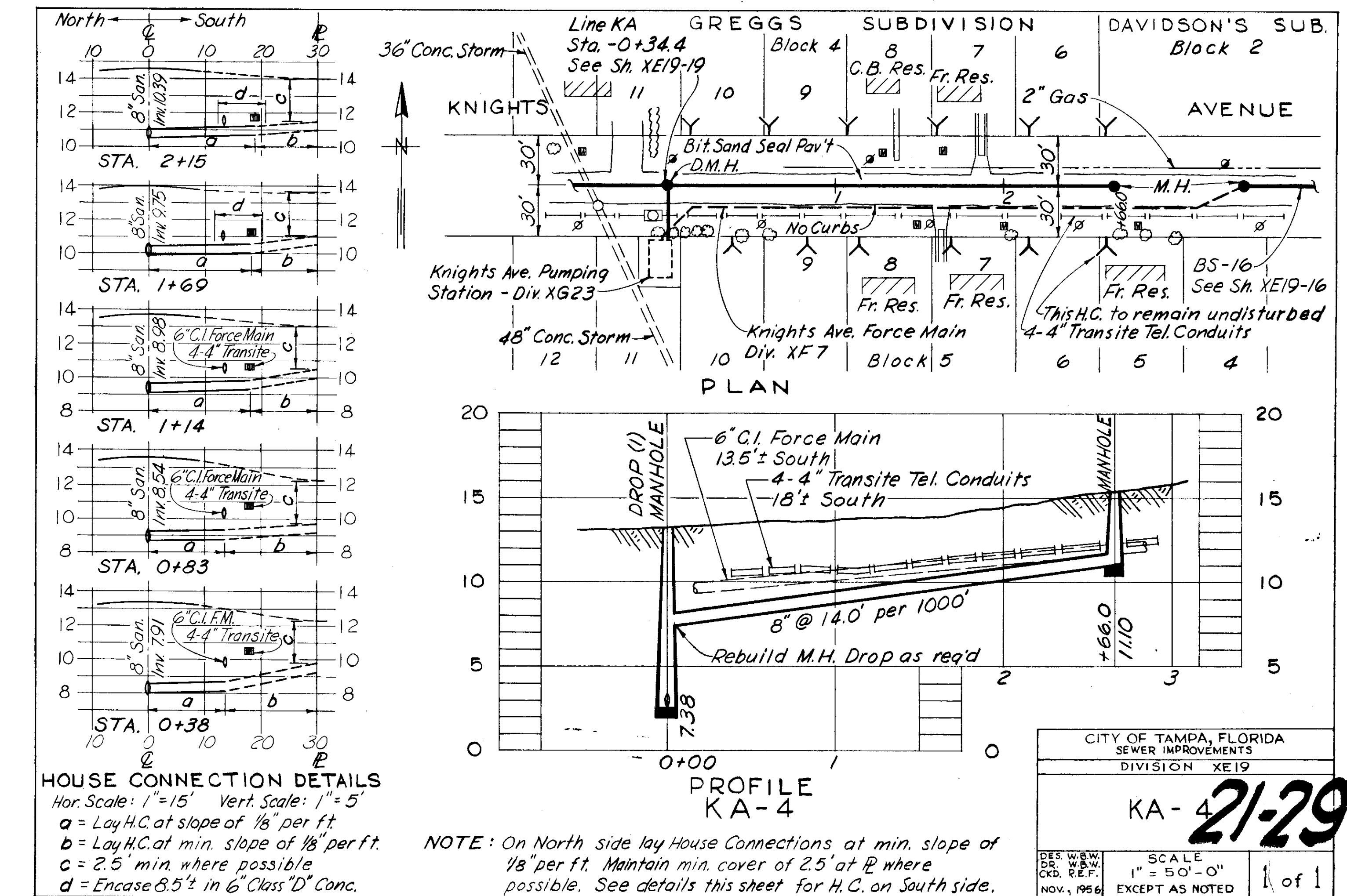
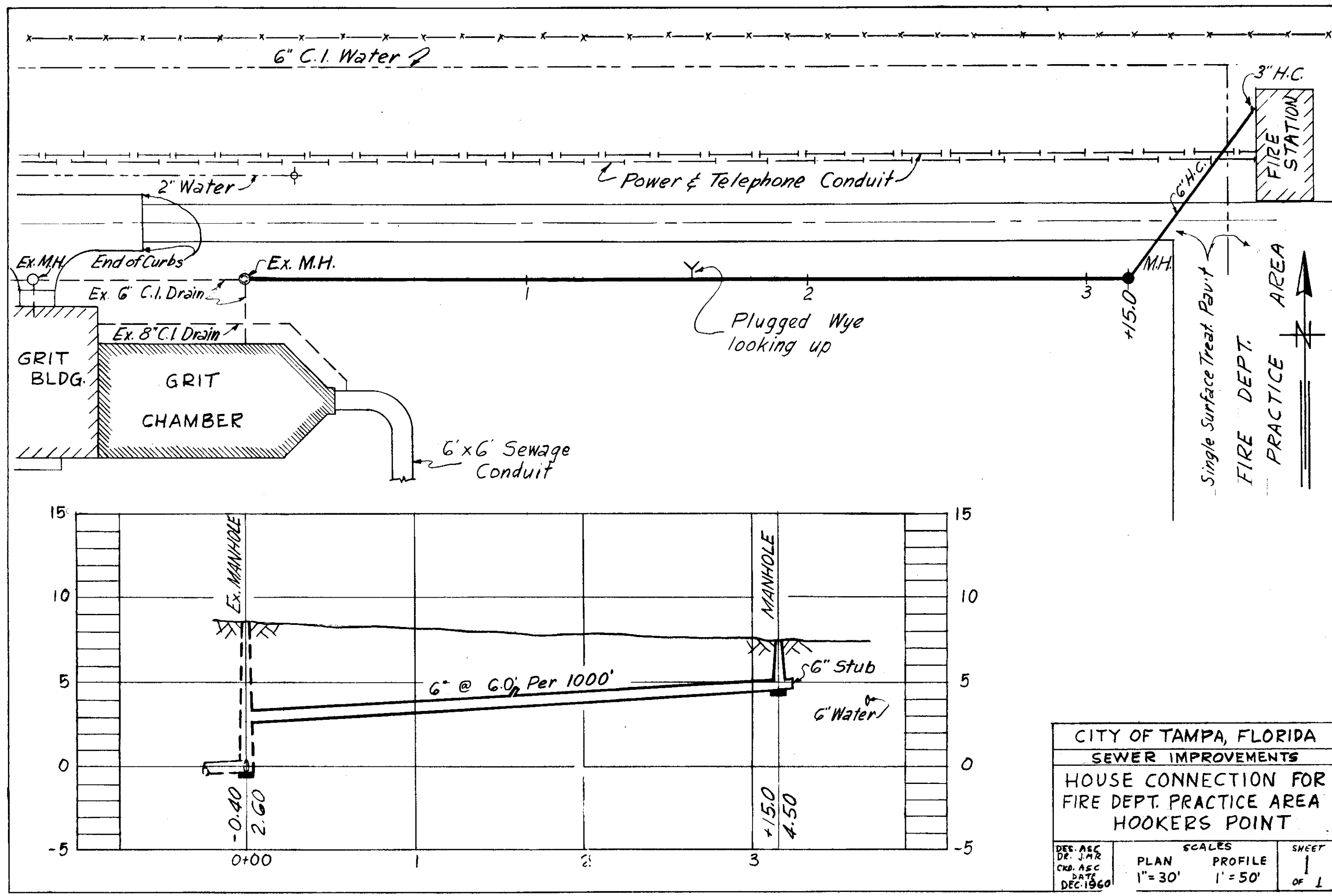
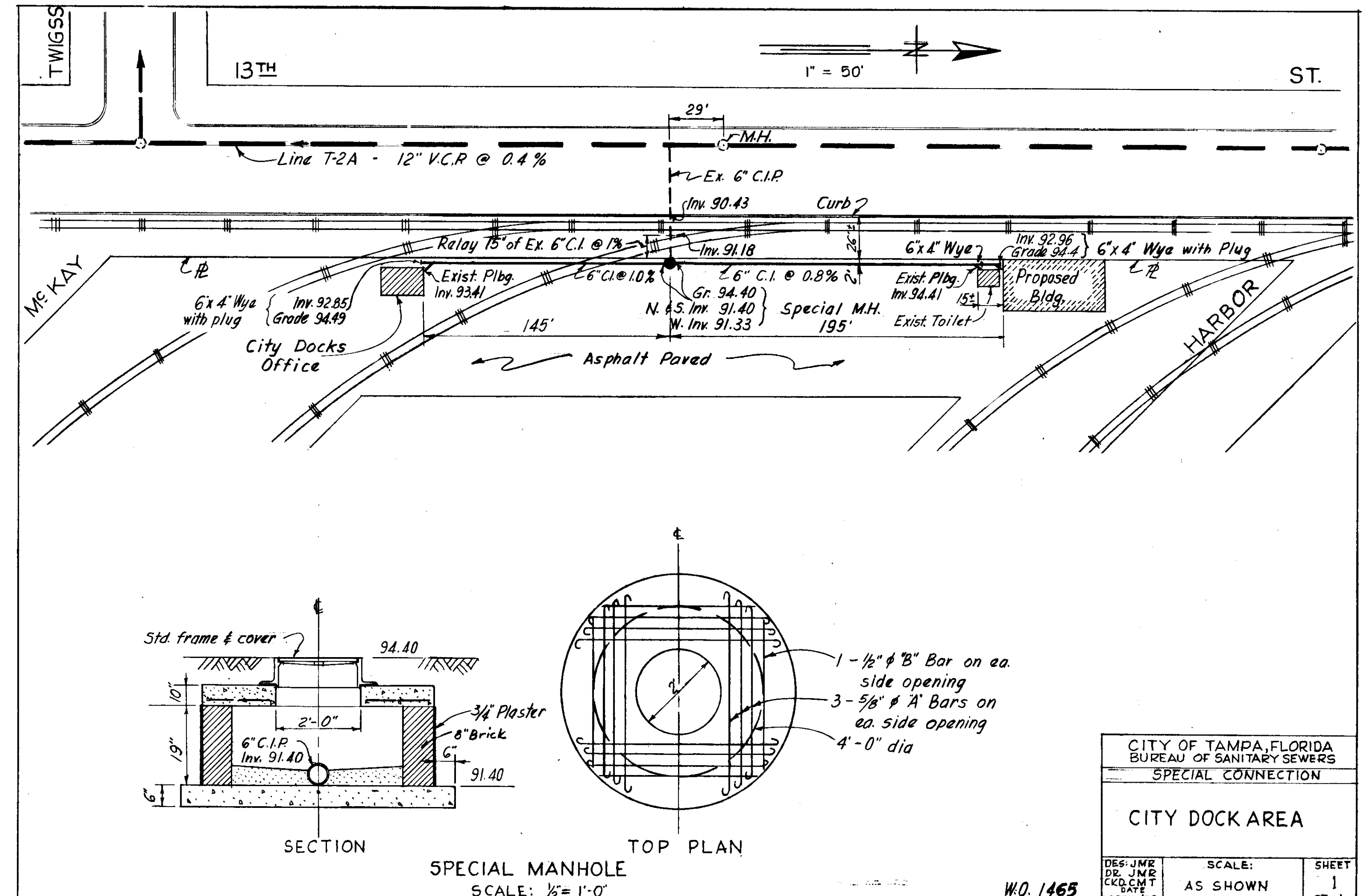
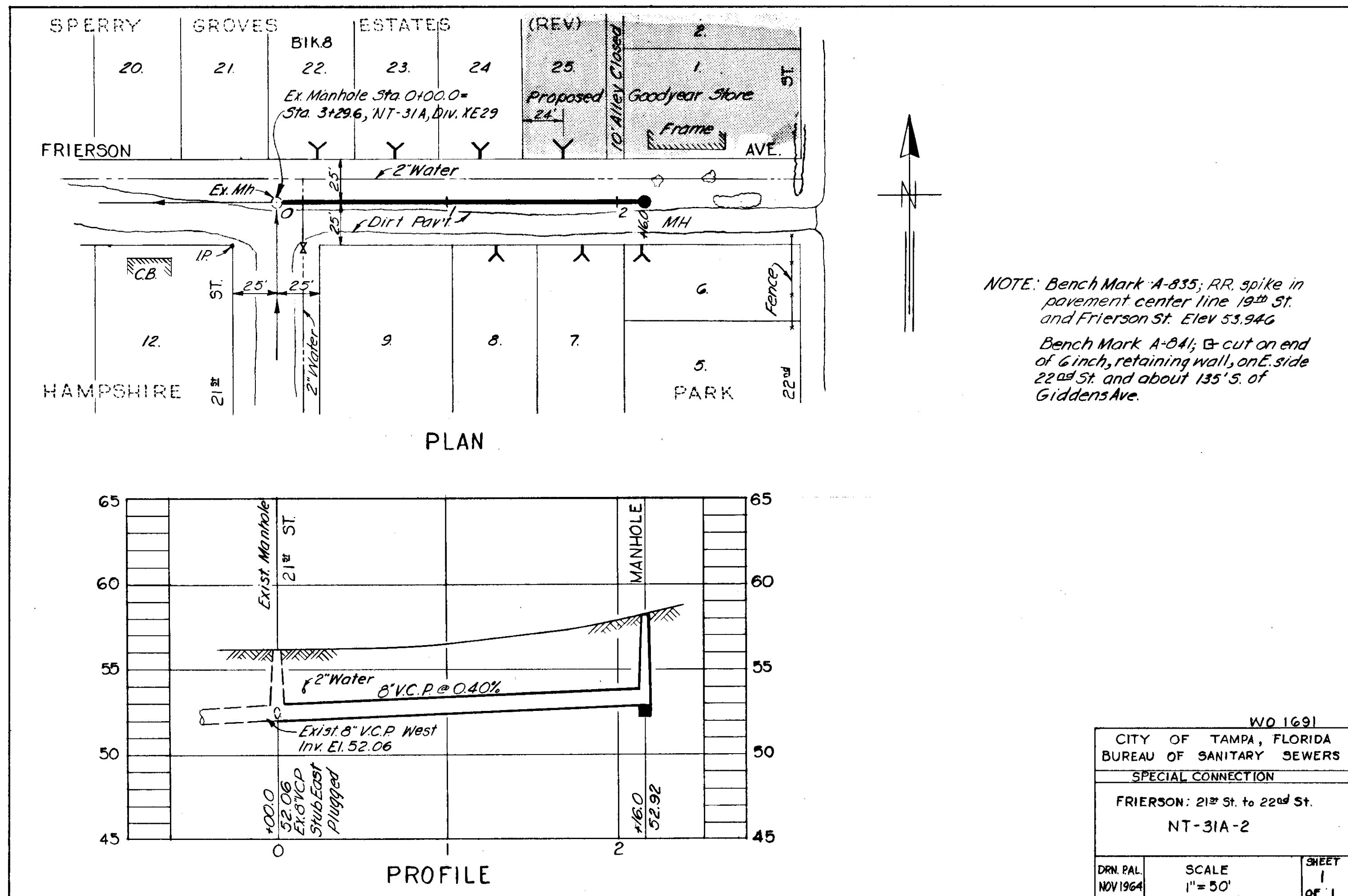
**Bayshore Beautiful Collection System
Rehabilitation By CIPP Lining**
City of Tampa Wastewater Department

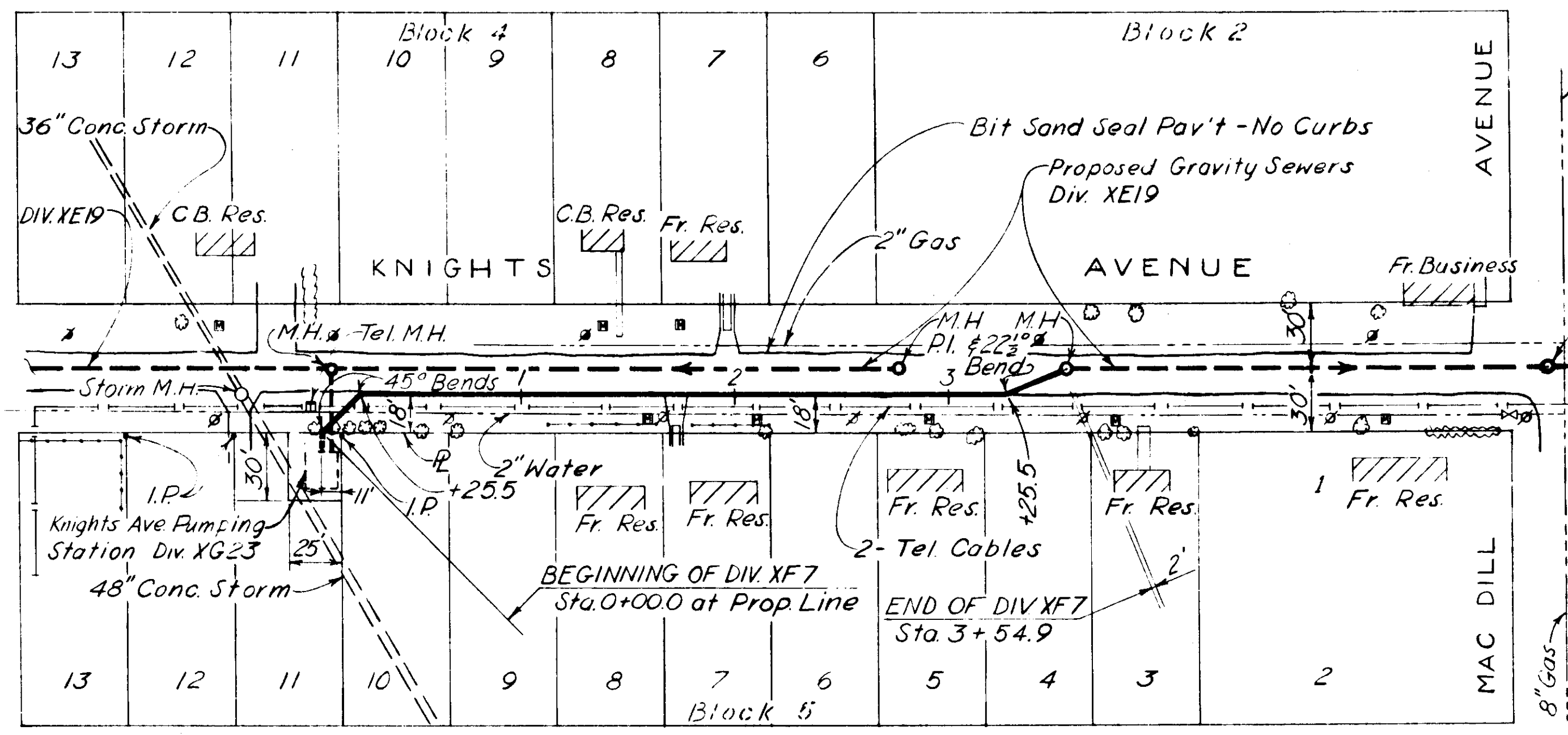
Legend

- Manholes
- Proposed CIPP Lining
- - - Ex Wastewater (no rehabilitation required)

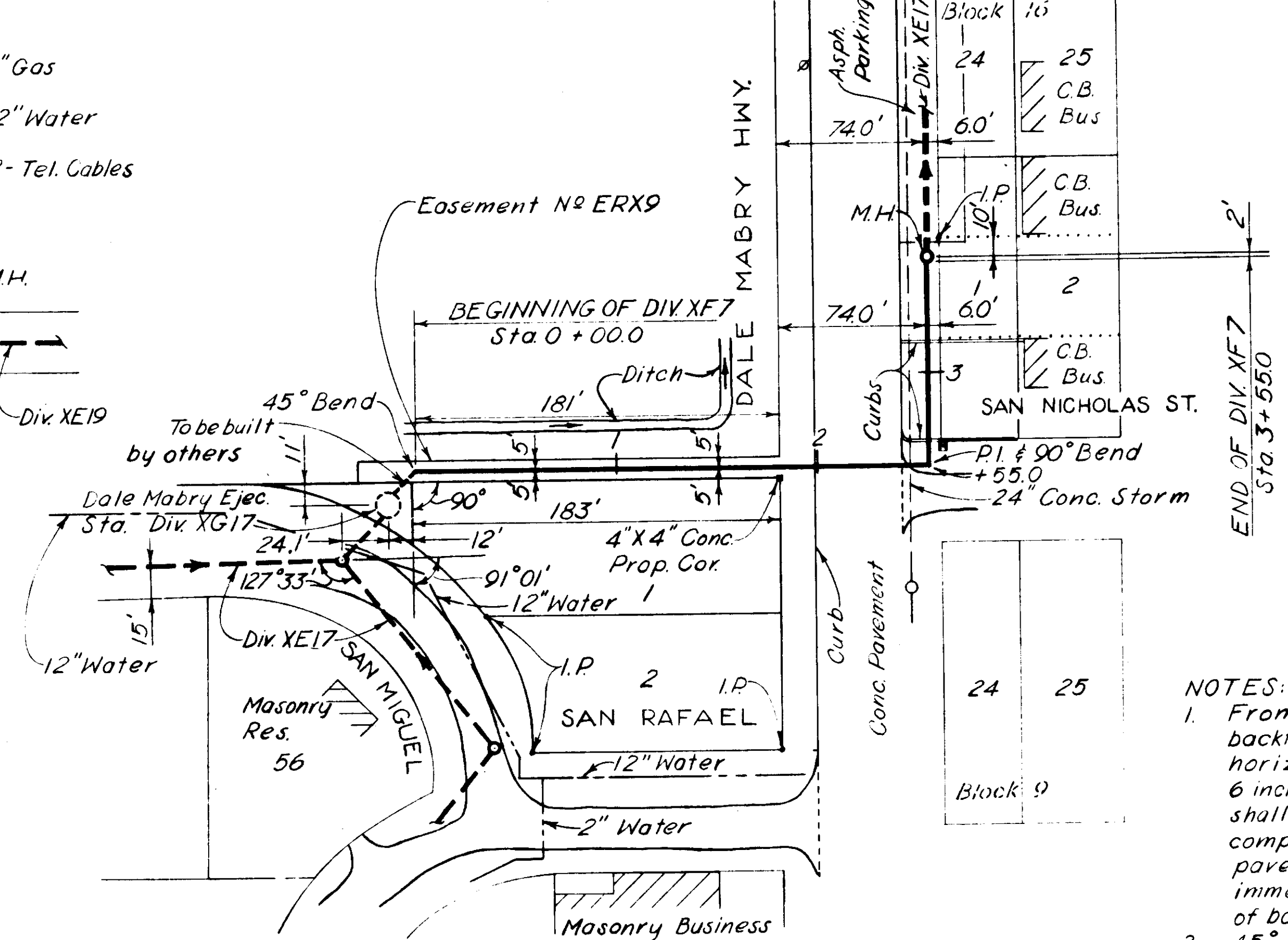
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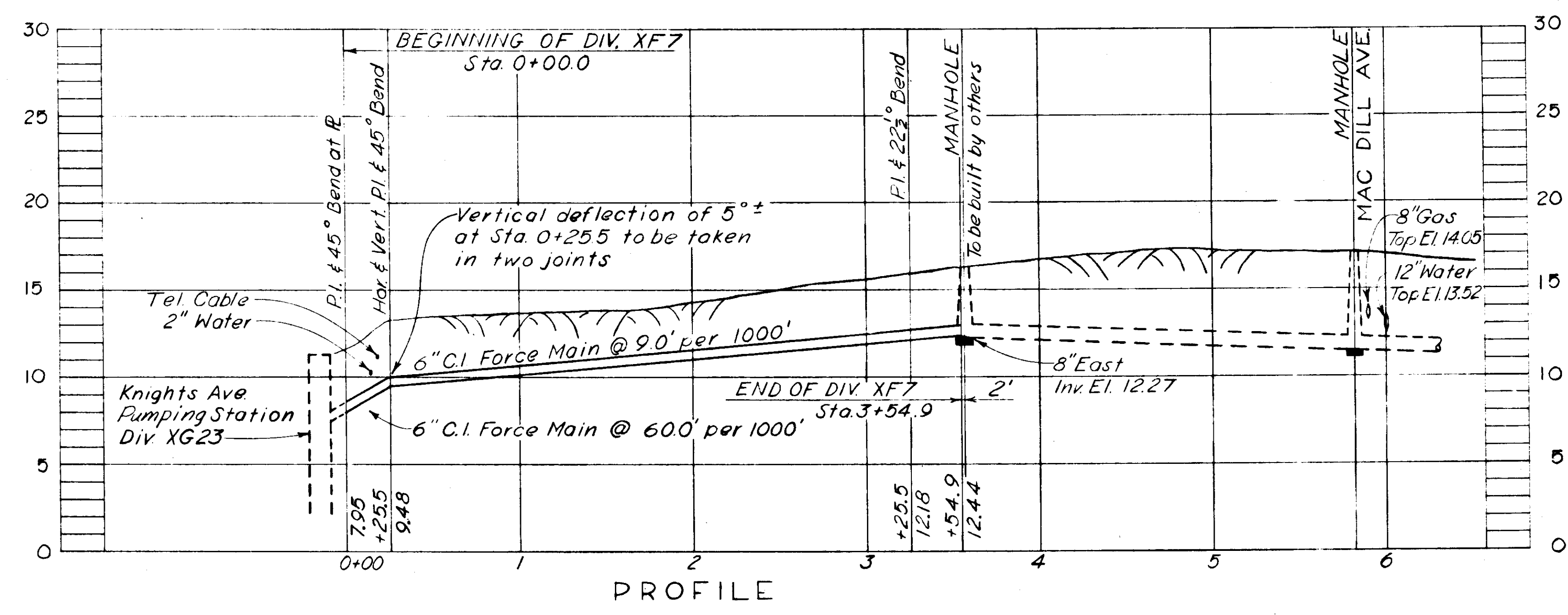




NOTE:
 1. Pavement to be replaced with Shell Pavement
 2. 45° Bend at Station 0+00 to be included in this Division

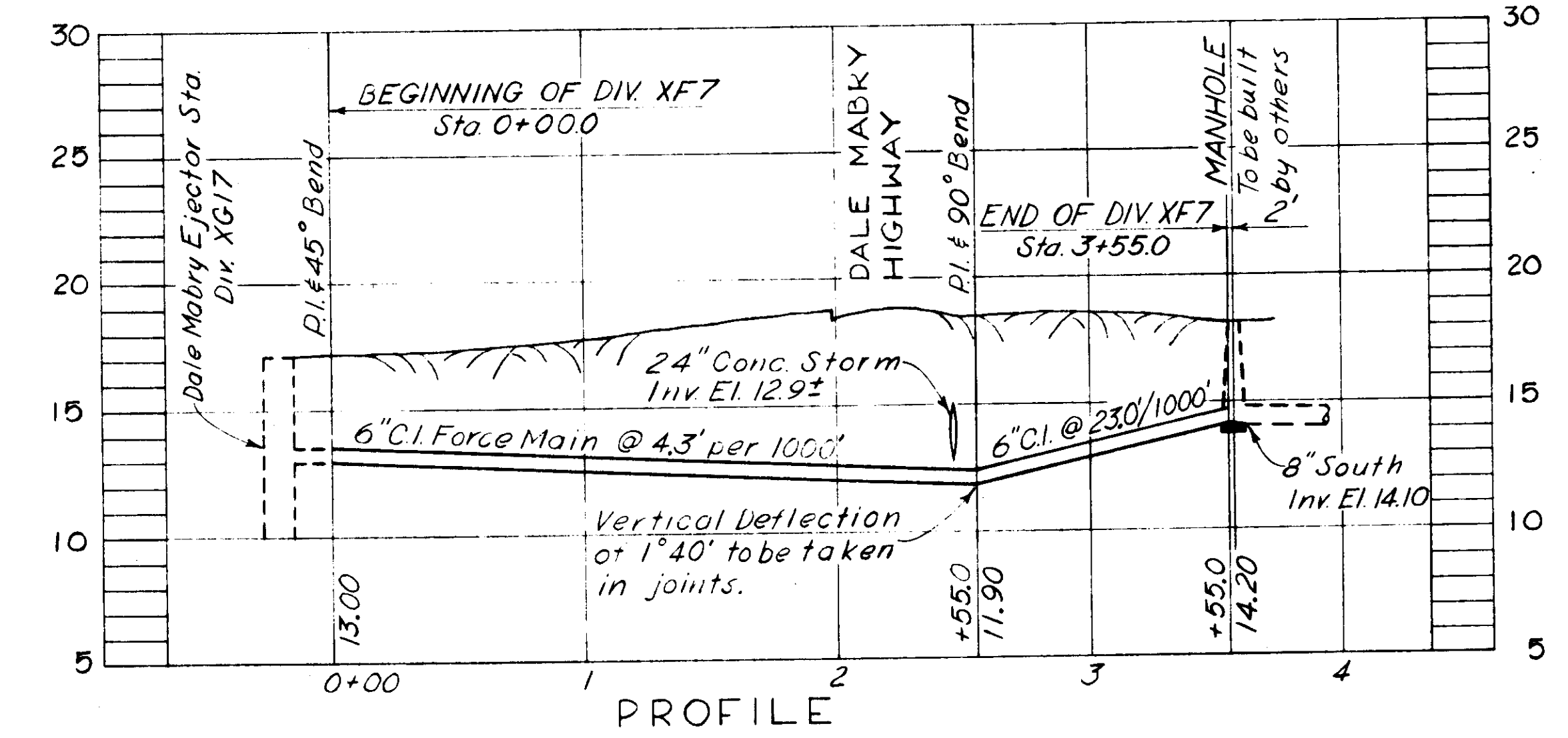


NOTES:
 1. From Sta. 1+98± to Sta. 2+45± backfill shall be placed in uniform horizontal layers approximately 6 inches in thickness, and each layer shall be thoroughly tamped and compacted. Subgrade and concrete pavement shall be replaced immediately upon completion of backfilling operations.
 2. 45° Bend at Sta. 0+00 to be included in this division.



KNIGHTS AVENUE FORCE MAIN

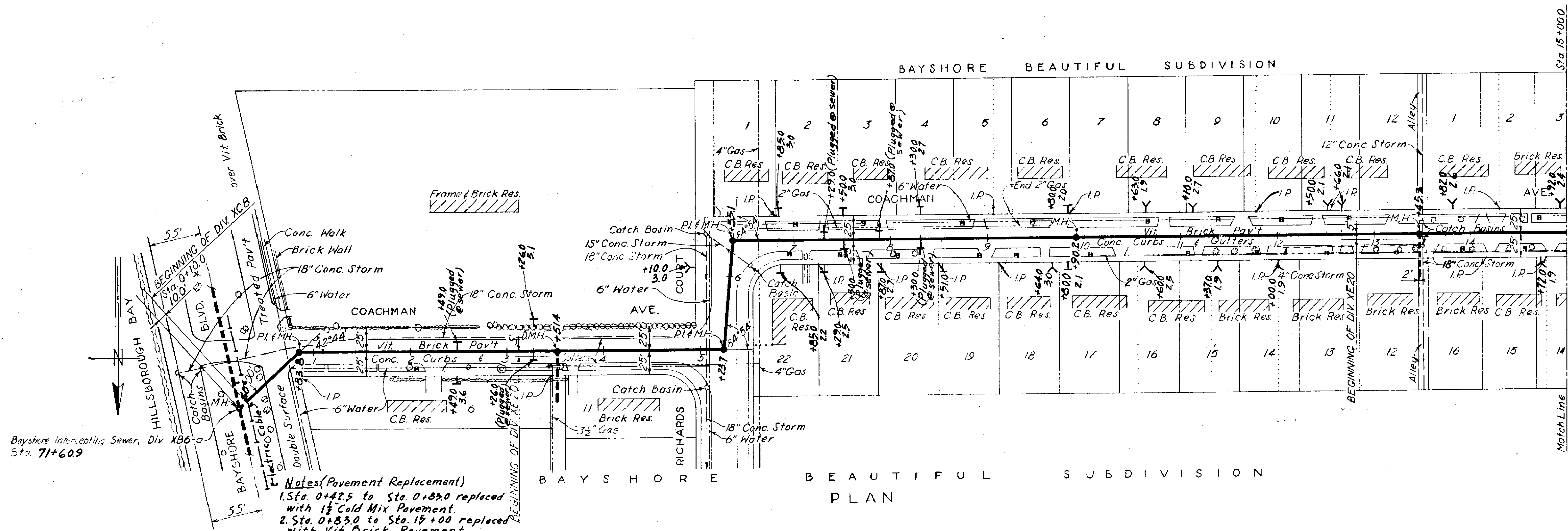
SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
L-10	13



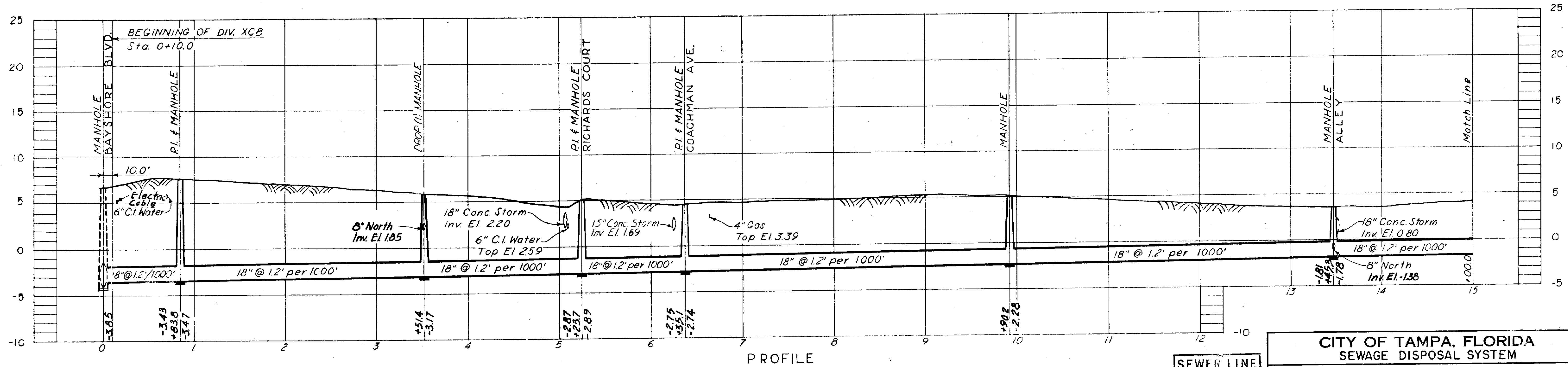
DALE MABRY FORCE MAIN

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
J-9	21

CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM DIVISION XF 7	
FORCE MAINS KNIGHTS AVENUE FORCE MAIN DALE MABRY FORCE MAIN	
DES. R.E.F. DR. W.B.W. CKD. R.E.F. DATE: MAY 1935	SCALE 50 0 50 100 150 EXCEPT AS NOTED
SHEET XF7-3 OF 4	



Notes (Pavement Replacement)
 1. Sta. 0+425 to Sta. 0+830 replaced with 1 1/2\"/>

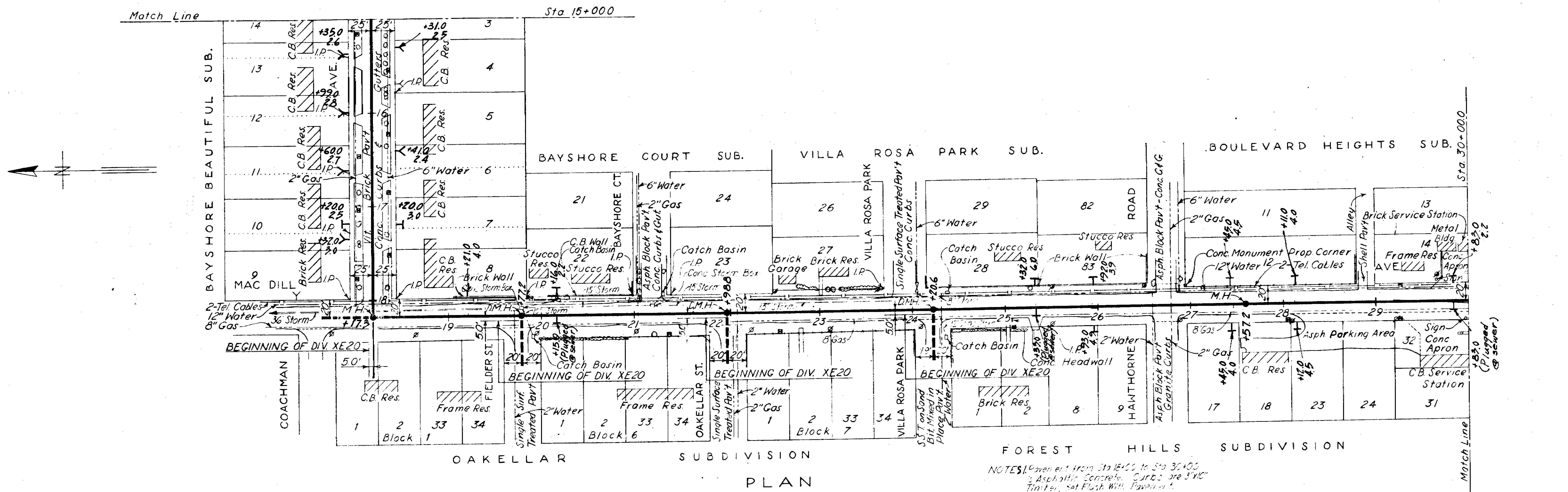


CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM DIVISION XC 8	
BALLAST POINT TRUNK SEWER STA. 0+00 TO STA. 15+00	
DES. E.E.S. DR. W.B.W. CKD. R.E.F. DATE: APRIL 1955	SCALE 1" = 50'
SHEET XC8-3 OF 8	553

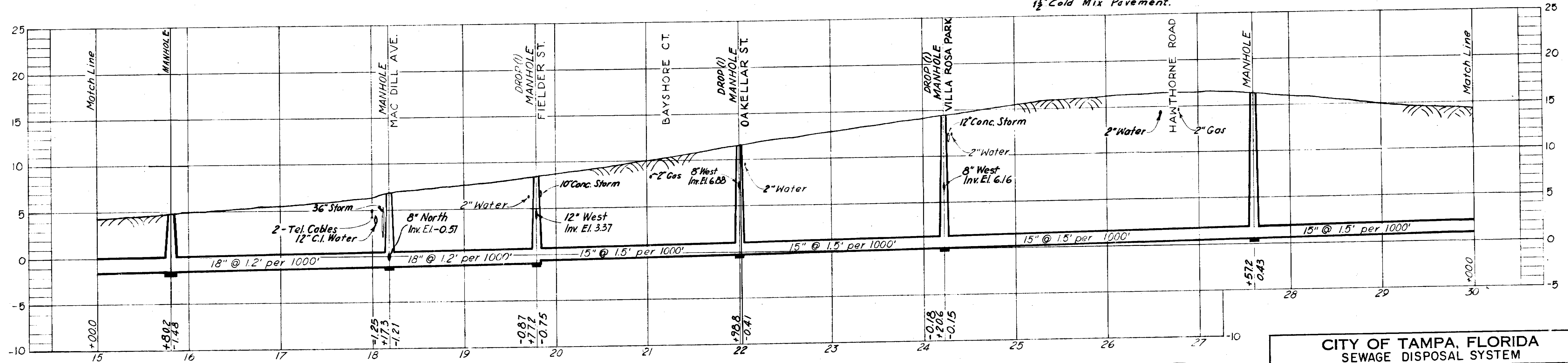
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

-AS-BUILT PLAN-
 Revised to show actual conditions according to construction record as of (A.F.L. 9-17-56)

SEWER LINE LOCATION
 SEC. MAP NO. LINE NO.
L-10-17



NOTES: 1. Elevation from Sta. 15+00 to Sta. 30+00 is Asphaltic Concrete. Curbs are 3" VC Timber, set Flush With Pavement.
 2. Pavement from Sta. 18+07.0 to Sta. 30+00 was replaced with 1 1/2" Cold Mix Pavement.



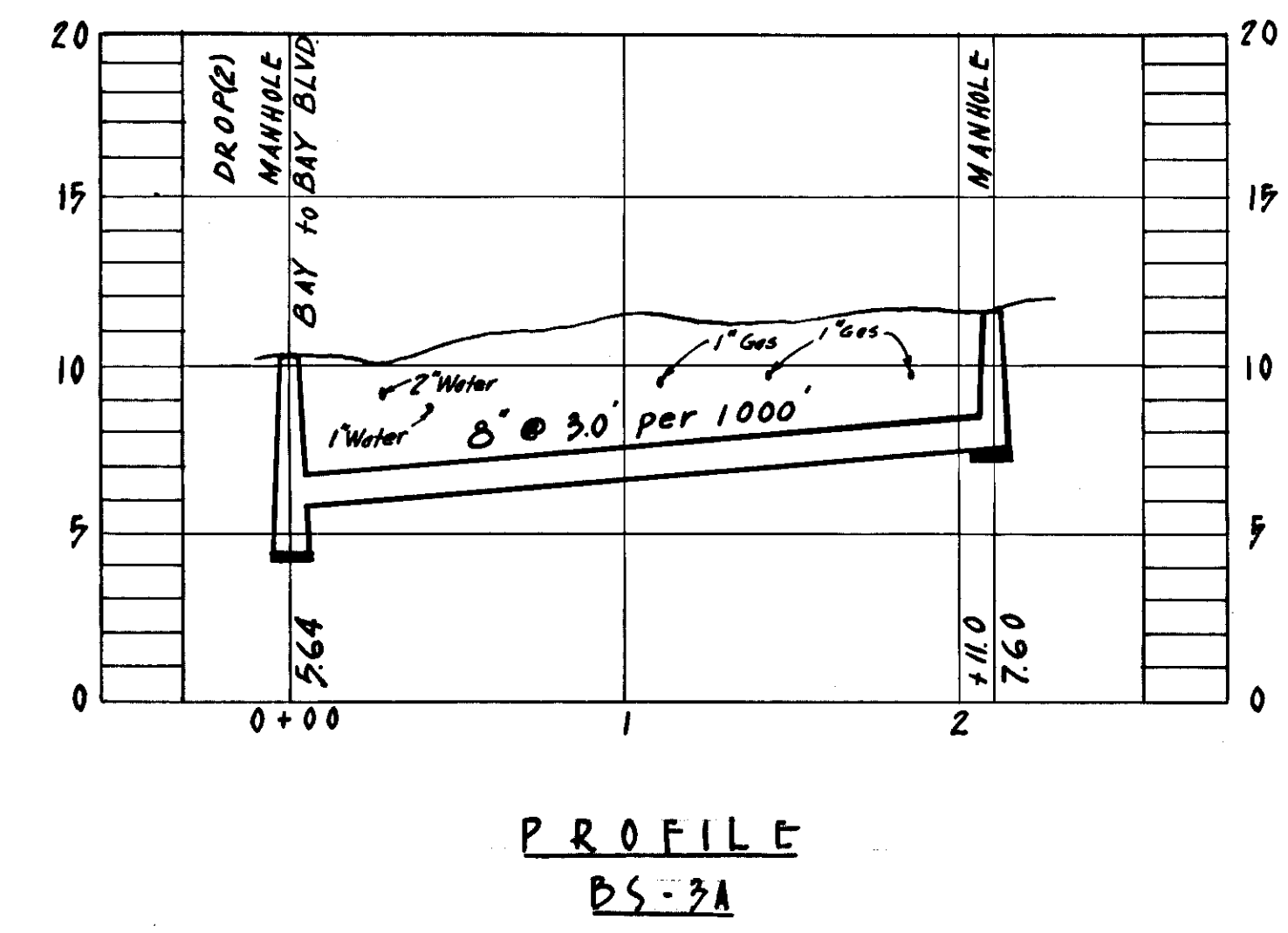
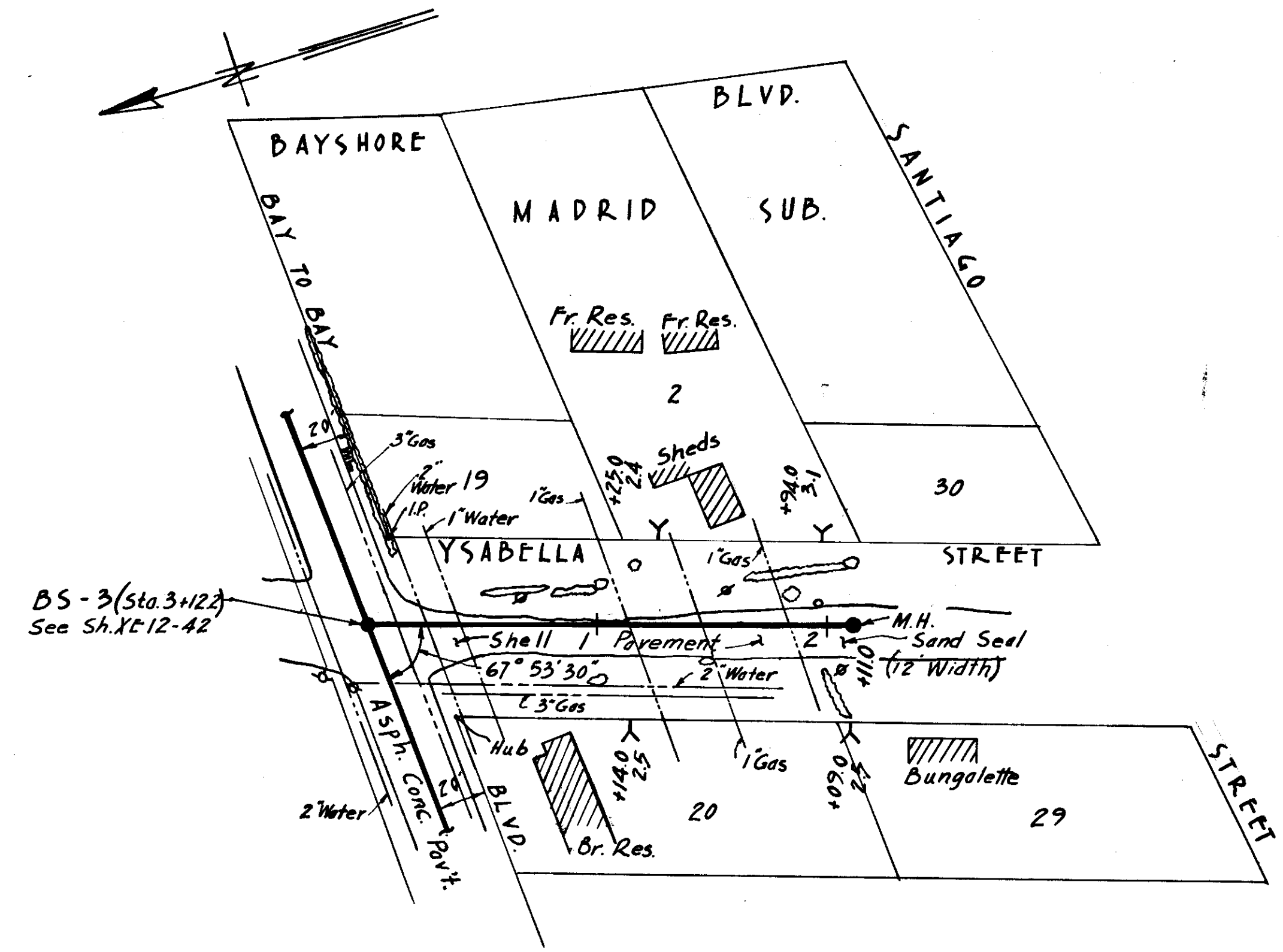
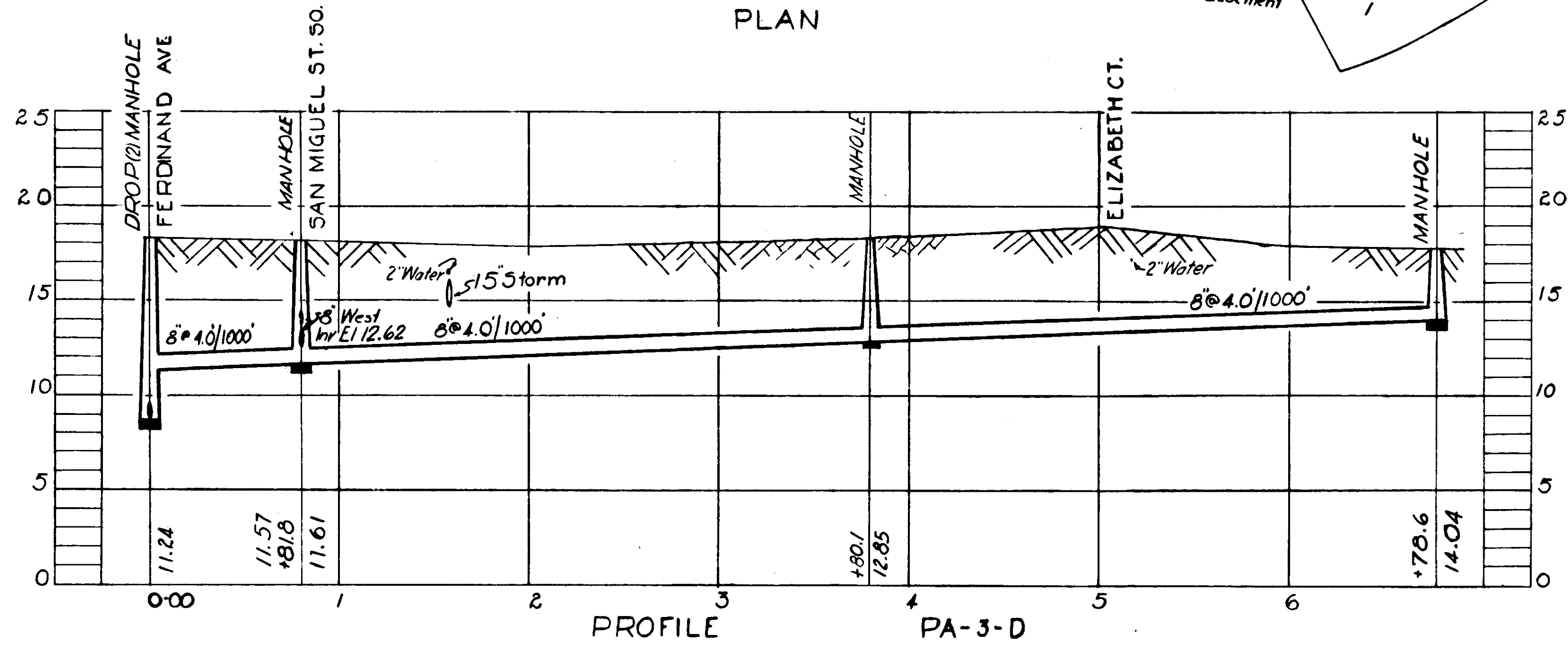
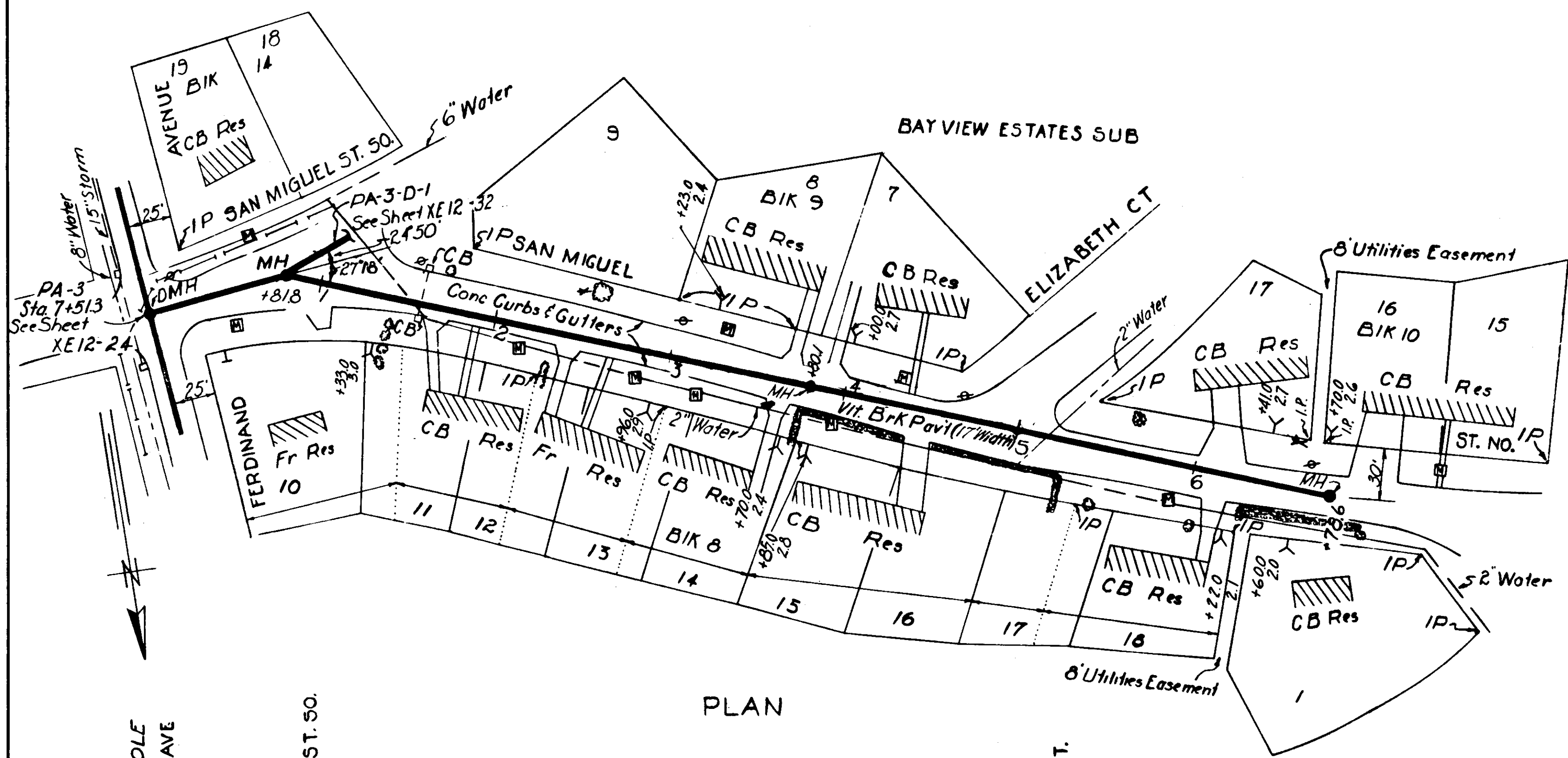
PROFILE

SEWER LINE LOCATION
 SEC. MAP No. LINE No.
L-10-18

CITY OF TAMPA, FLORIDA SEWAGE DISPOSAL SYSTEM	
DIVISION XC 8	
BALLAST POINT TRUNK SEWER STA. 15+00 TO STA. 30+00	
DES. E.E.S. DR. W.B.W. CKD. R.E.F. DATE: APRIL 1955	SCALE 1" = 50' 0 50 100
SHEET XC8-4 OF 8	

- AS-BUILT PLAN -

Revised to show actual conditions according to construction record as of (A.F.L. 9-18-56)

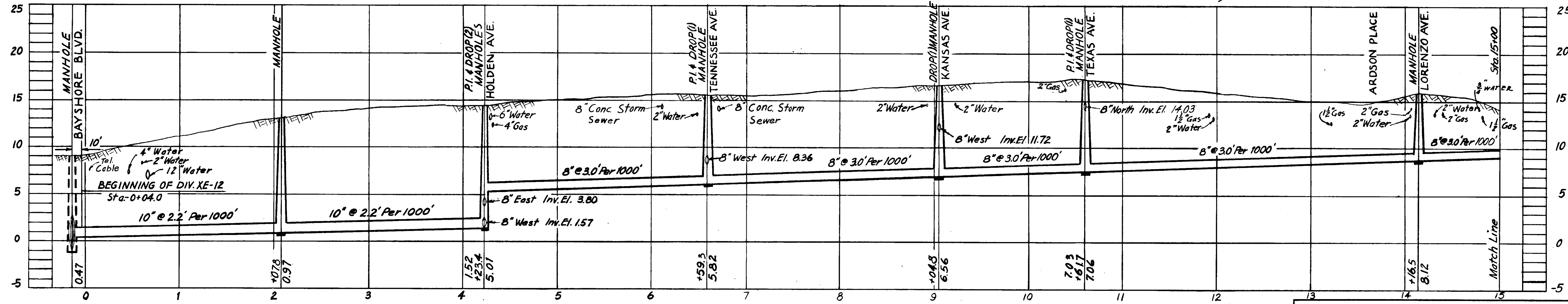
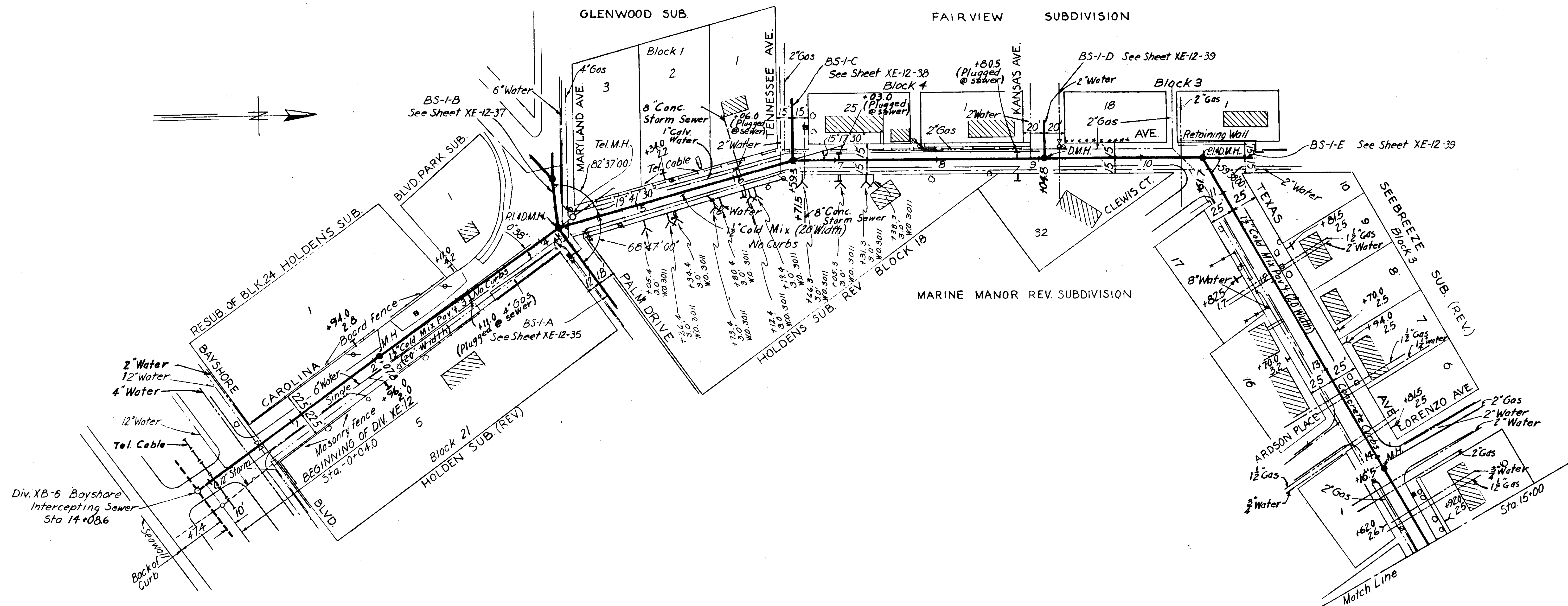


GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

-AS-BUILT PLAN-
Revised to show actual conditions according
to construction record as of
(A.F.L. 3-22-56)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE12		
PA-3-D & BS-3A		
DES. A.P.I. DR. A.P.I. CKD. R.E.F. DATE: OCT. 1954	SCALE 50 0 50 100 1" = 50'	SHEET XE12-30 OF 45

As-Built 61-30



PROFILE BS-1

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE12

BS-1
STA-0+04.0 TO STA. 15+00

DES. E.C.A.
DR. M.R.
CKD. E.E.S.
DATE: OCT. 1954

SCALE
0 50 100
1" = 50'

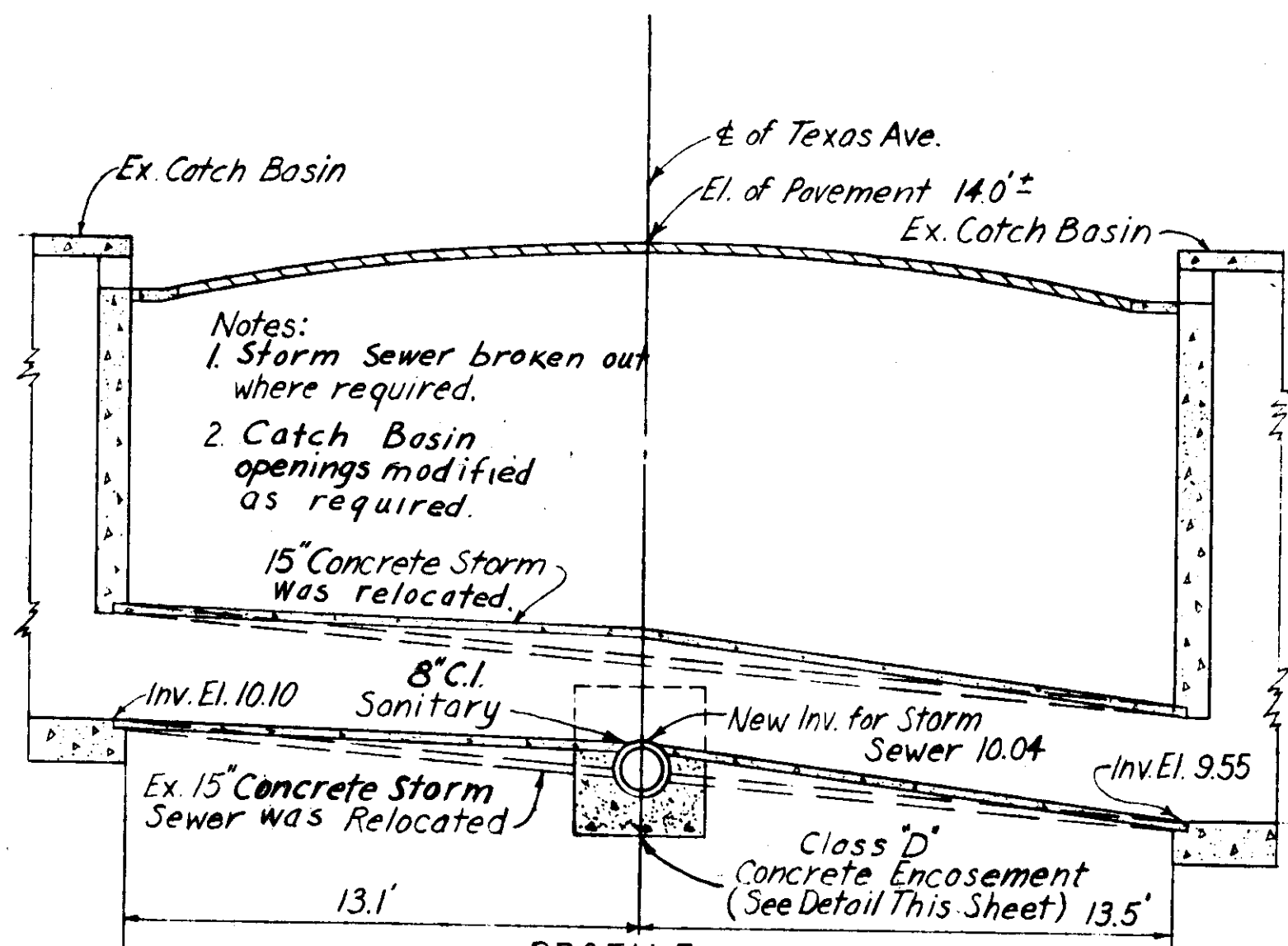
SHEET
XE12-33
OF 45

- AS-BUILT PLAN -

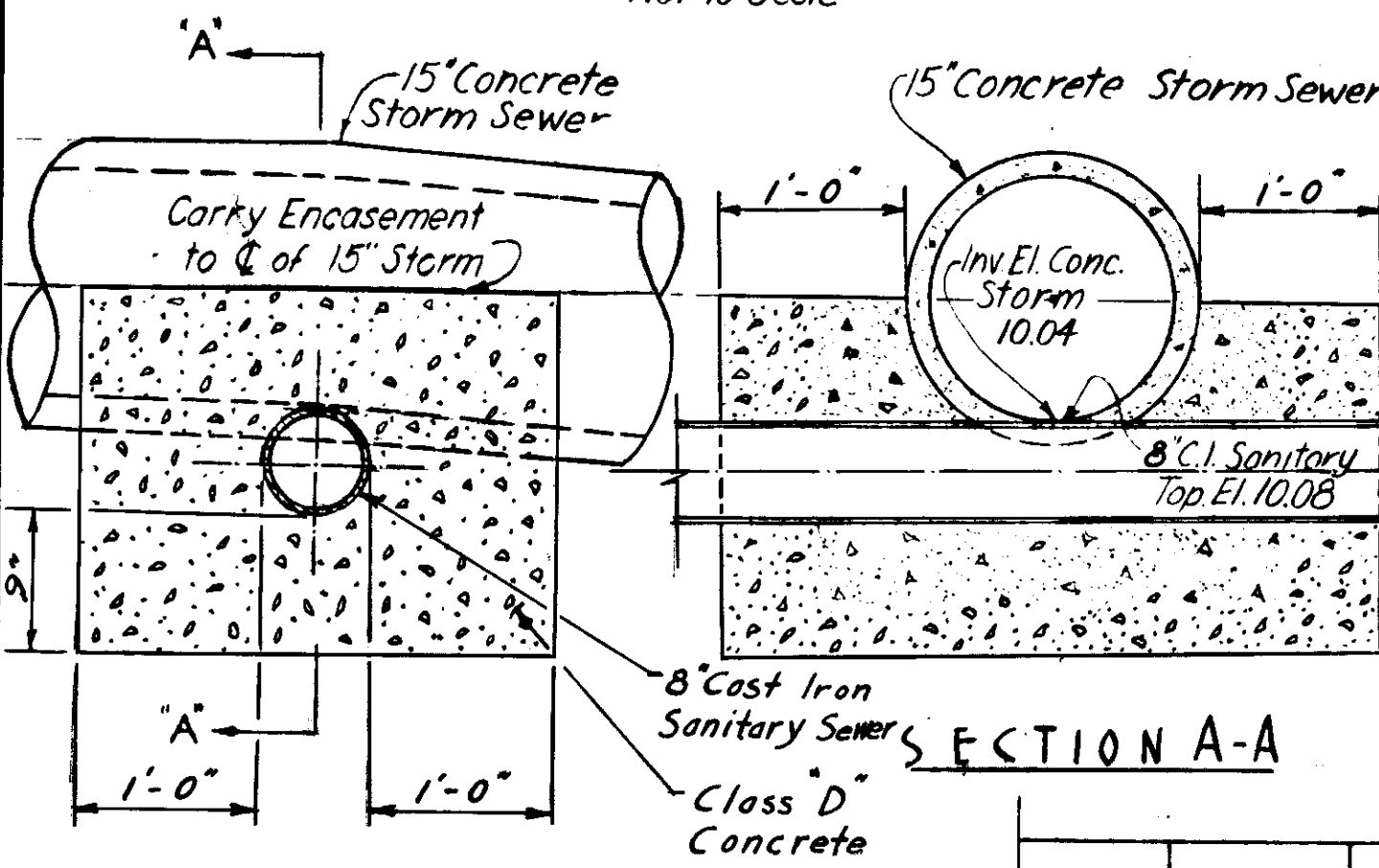
Revised to show actual conditions according to construction record as of A.F.L. (8-9-55)

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

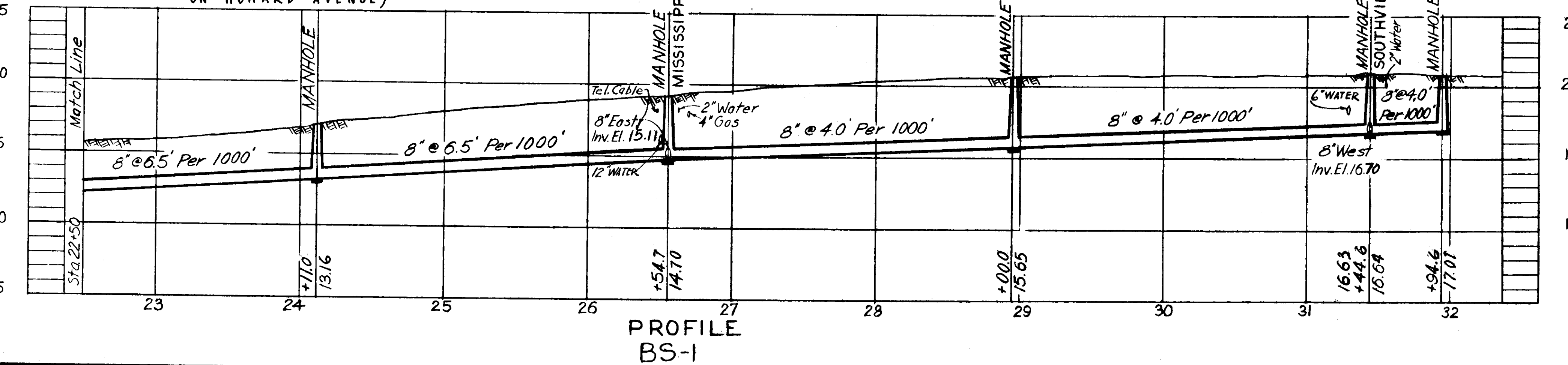
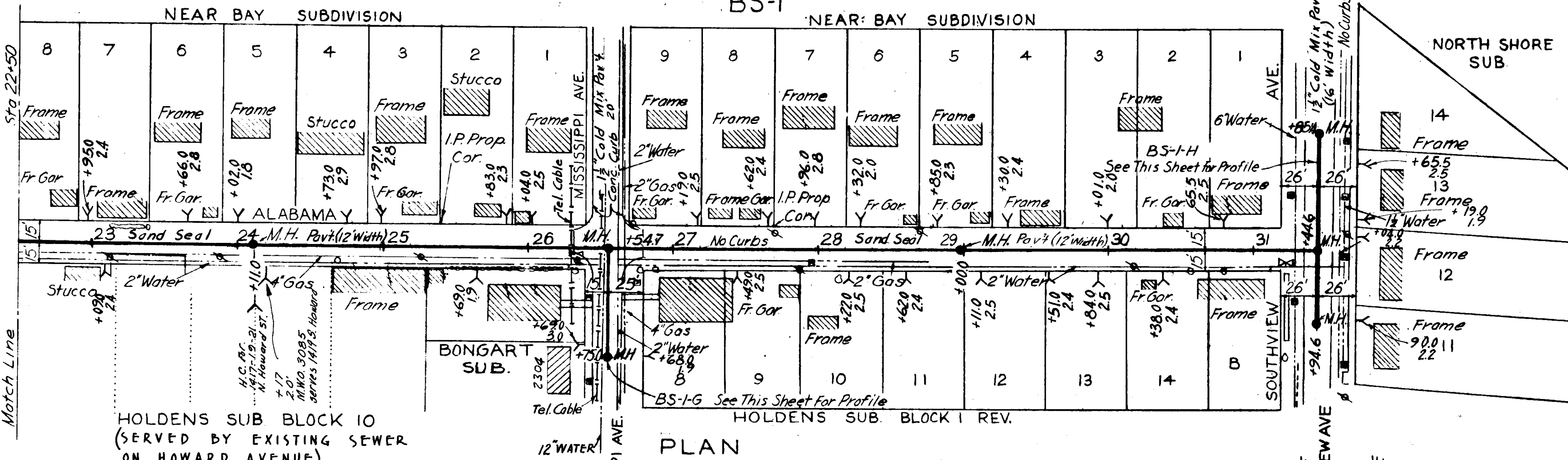
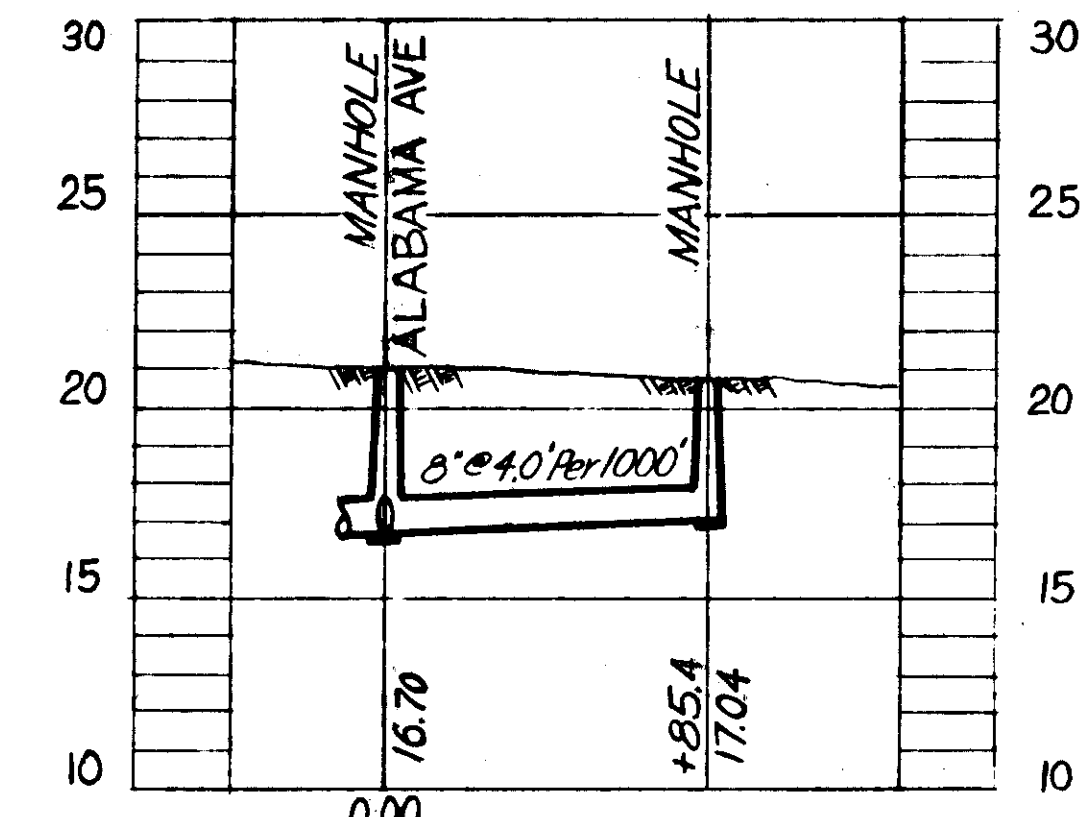
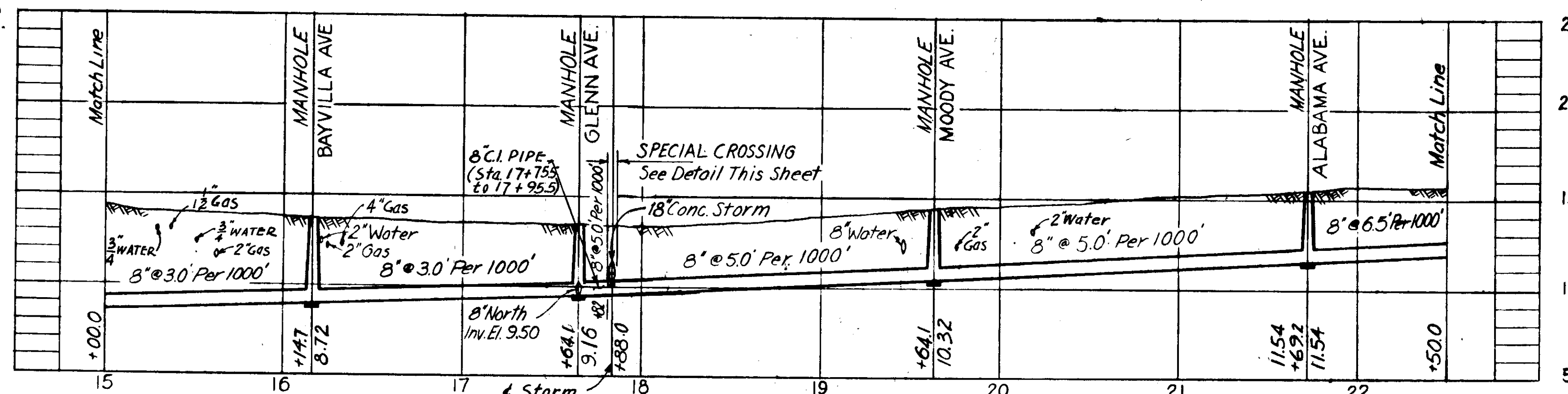
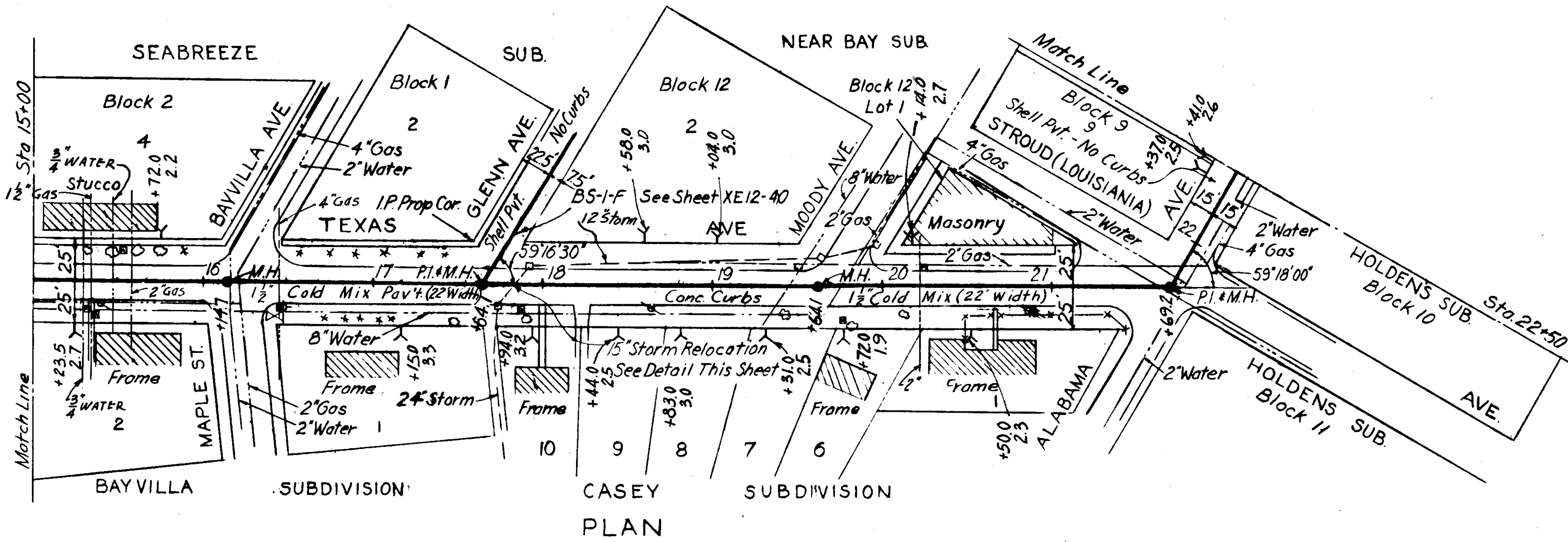
As-Built 61-33



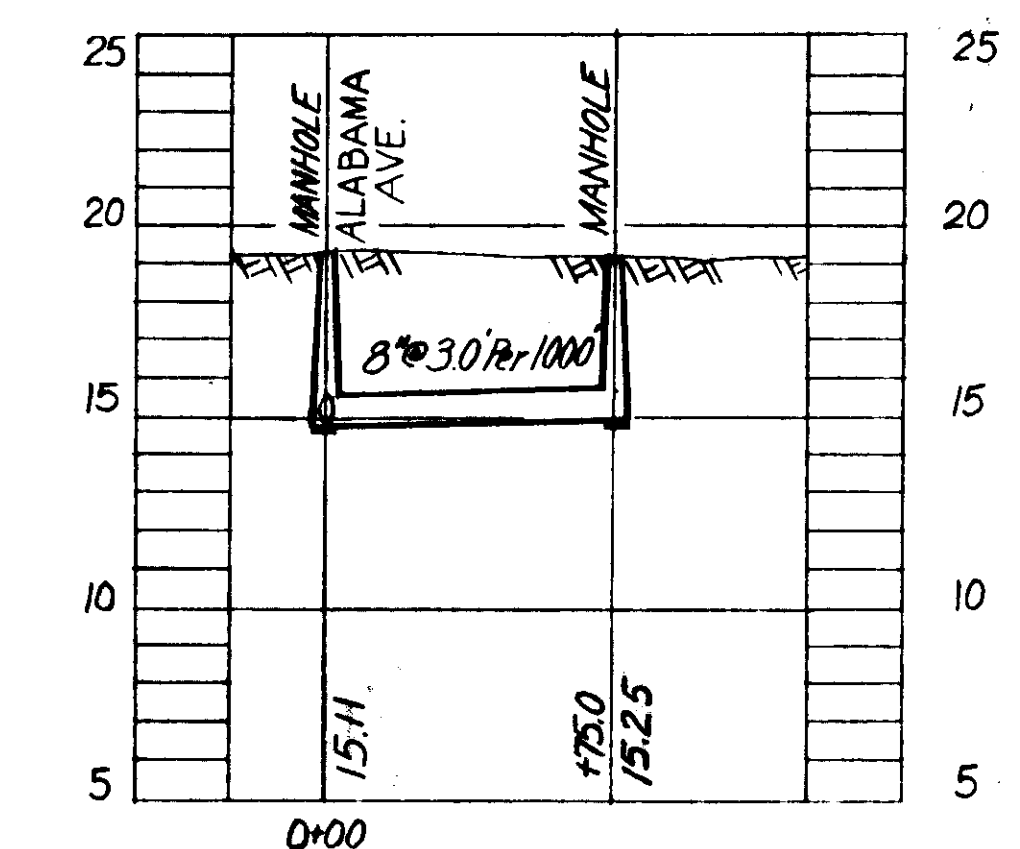
PROFILE SPECIAL CROSSING STA. 17+88.0 Not to Scale



DETAIL OF ENCASEMENT SCALE: 1\"/>



PROFILE BS-I-H



PROFILE BS-I-G

-AS-BUILT PLAN-

Revised to show actual conditions according to construction record as of A.P.L. (8-15-55)

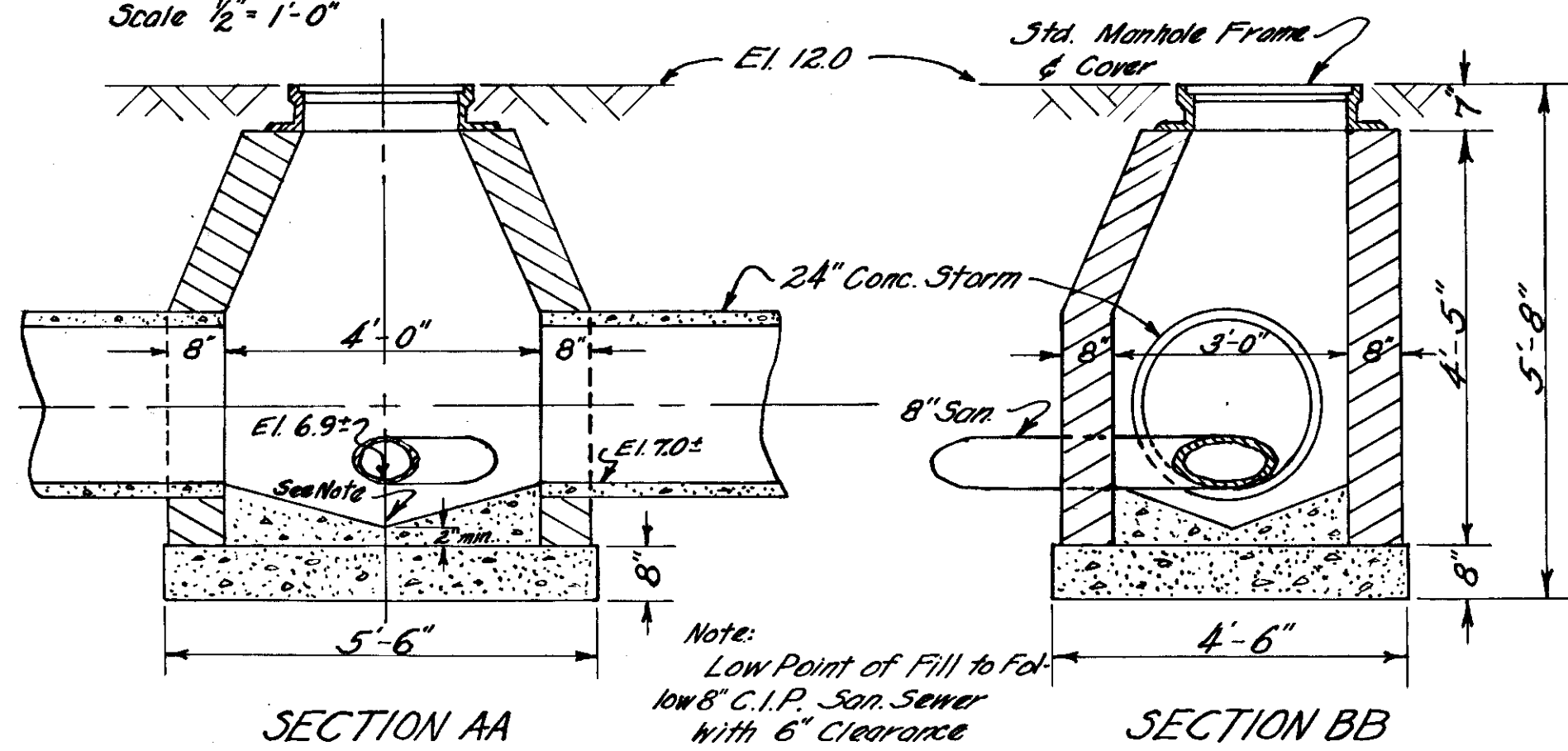
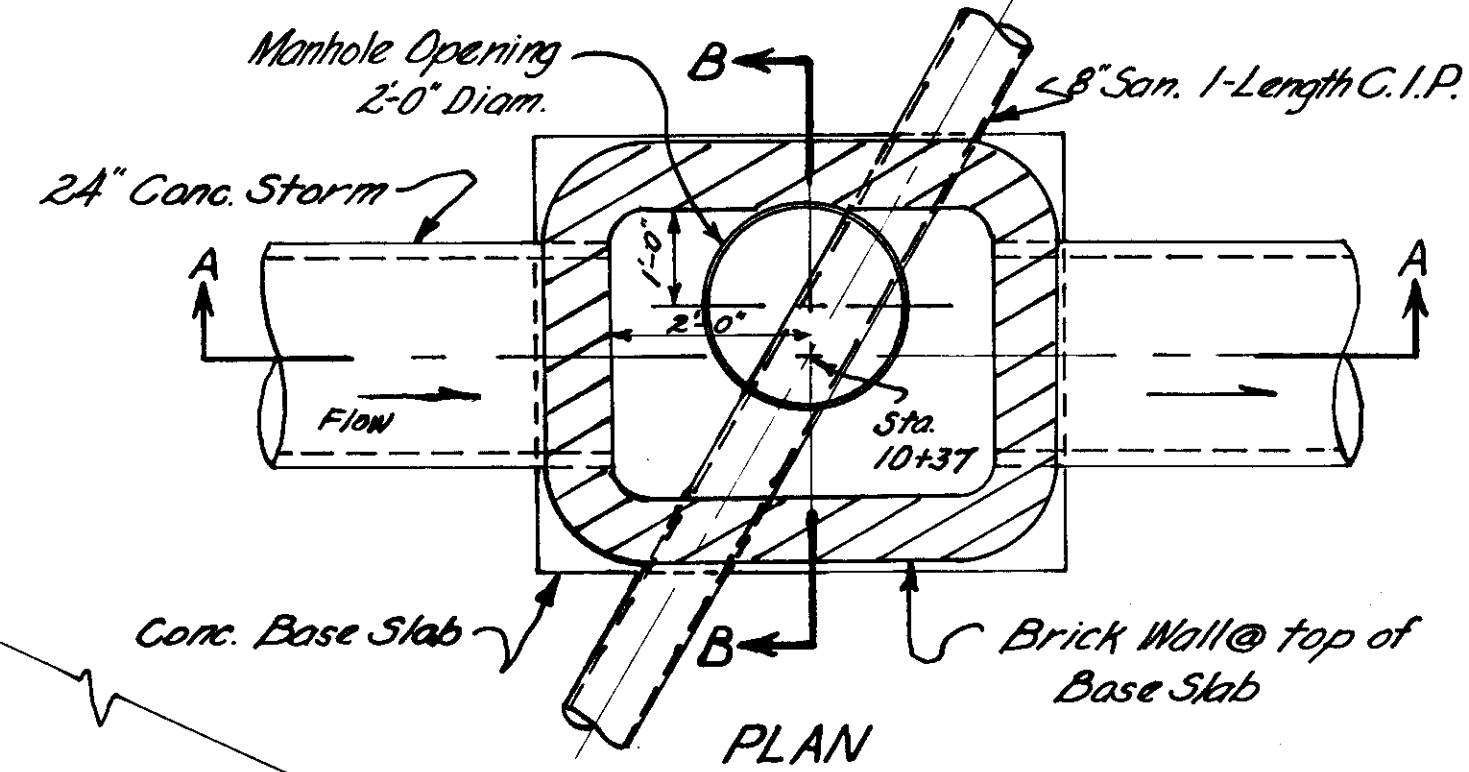
CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS	
DIVISION XE12	
BS-I STA. 15+00 TO STA. 31+94.3 BS-I-G & BS-I-H	
DES. E.C.A. DR. M.R. CKD. E.E.S. DATE: OCT. 1954	SCALE 0 50 100 1" = 50'
SHEET XE12-34 OF 45	

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

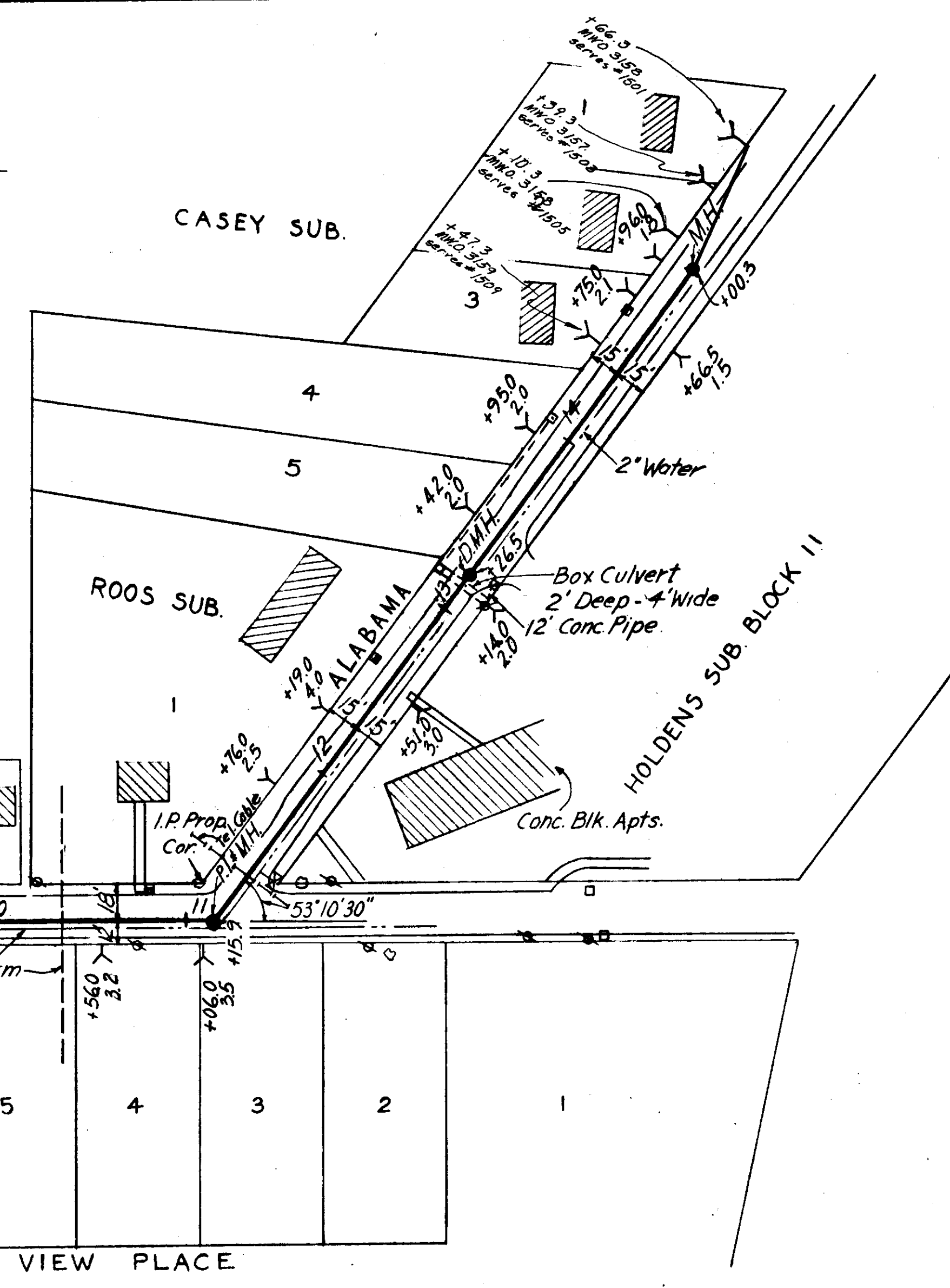
As-Built 61-34

DETAIL OF STORM SEWER CROSSING AT STA. 10+37

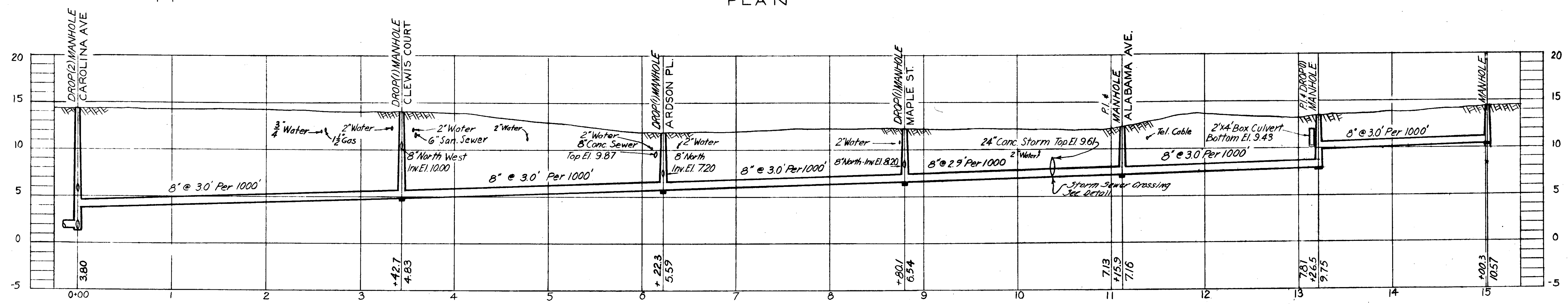
Scale 1/2" = 1'-0"



Note: Low Point of Fill to Follow 8" C.I.P. San. Sewer with 6" Clearance



PLAN



PROFILE BS-1-A

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE12

BS-1-A

DES. E.C.A.
DR. M.R.
CKD. E.E.S.
DATE: OCT. 1954

SCALE
50 0 50 100 150'

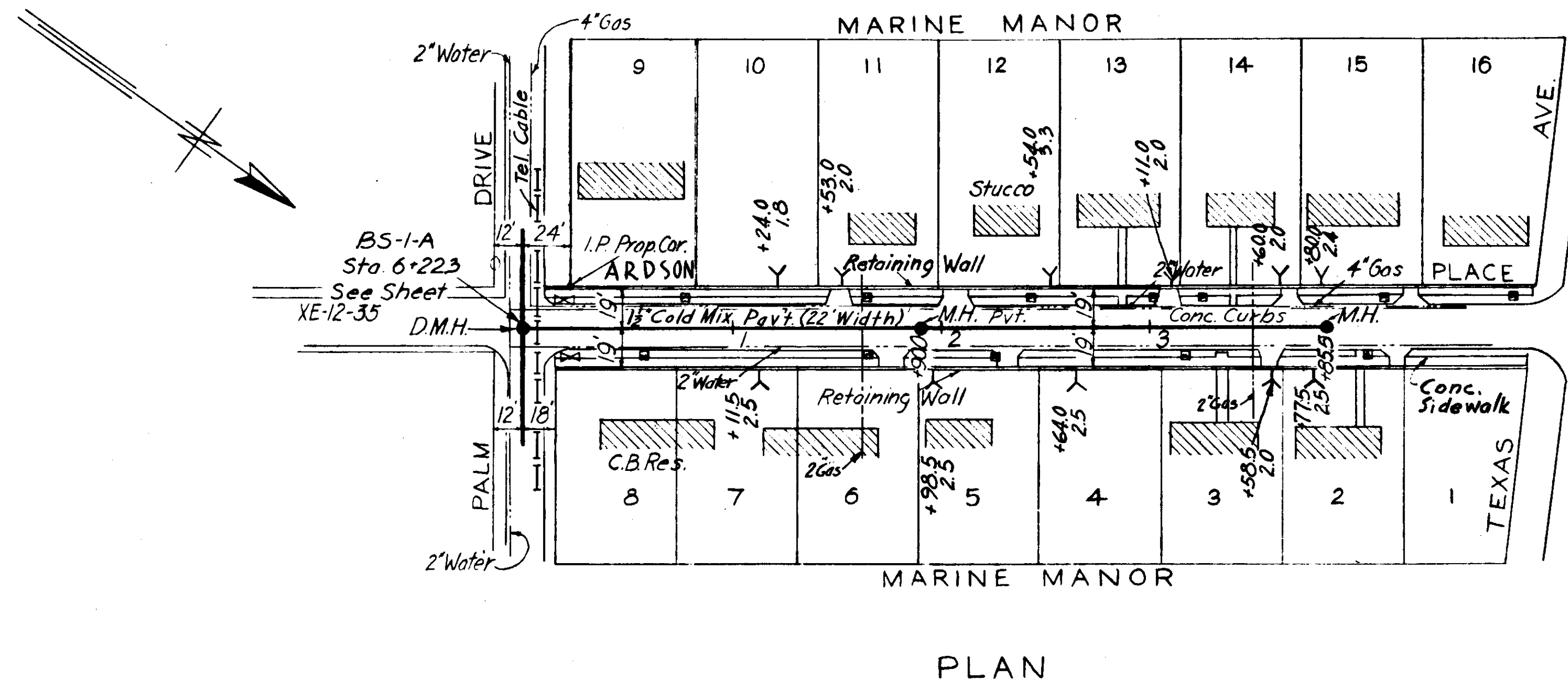
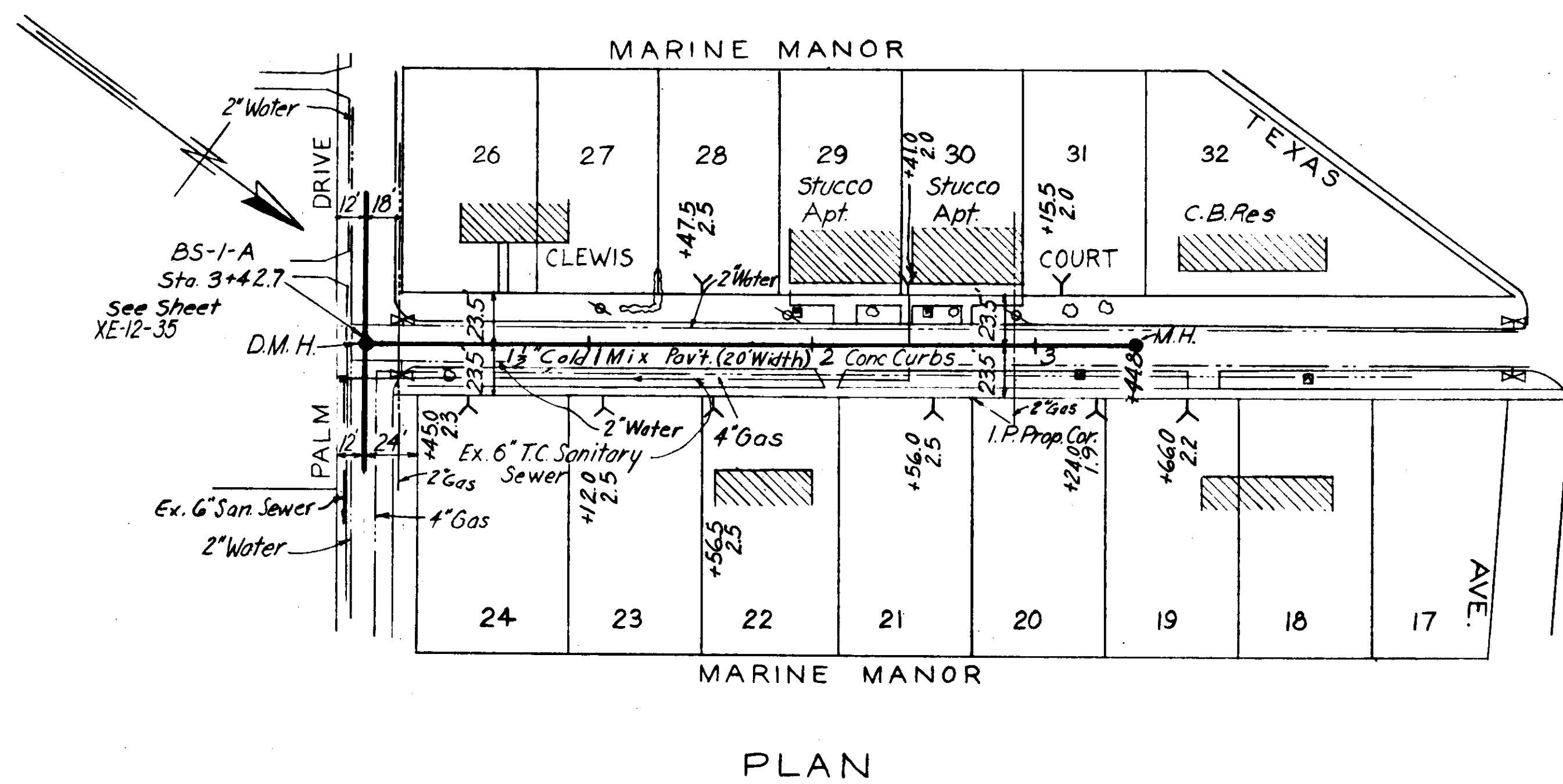
SHEET
XE12-35
OF 45

- AS-BUILT PLAN -

Revised to show actual conditions according to construction record as of (A.F.L. 8-31-55)

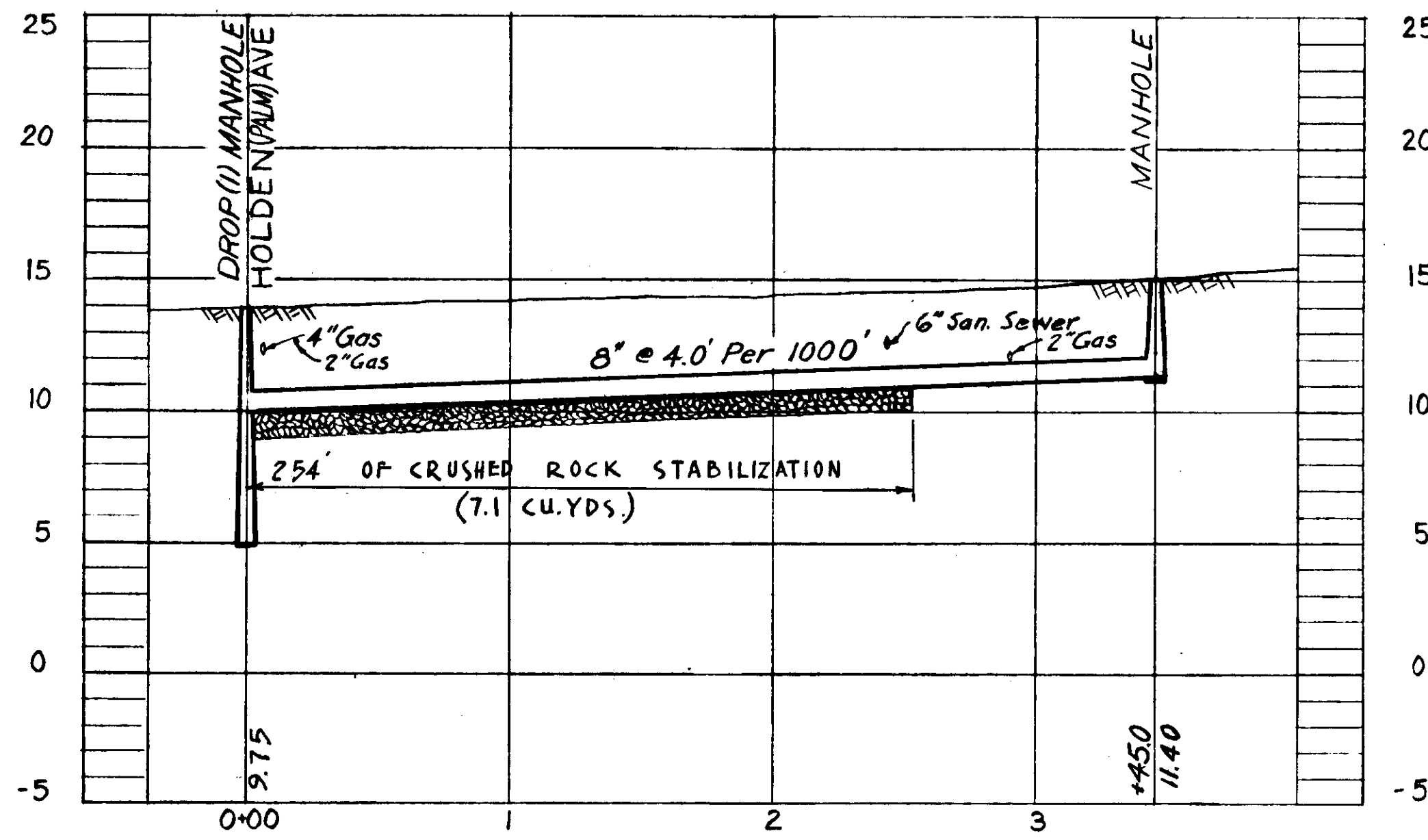
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

As-Built 61-35

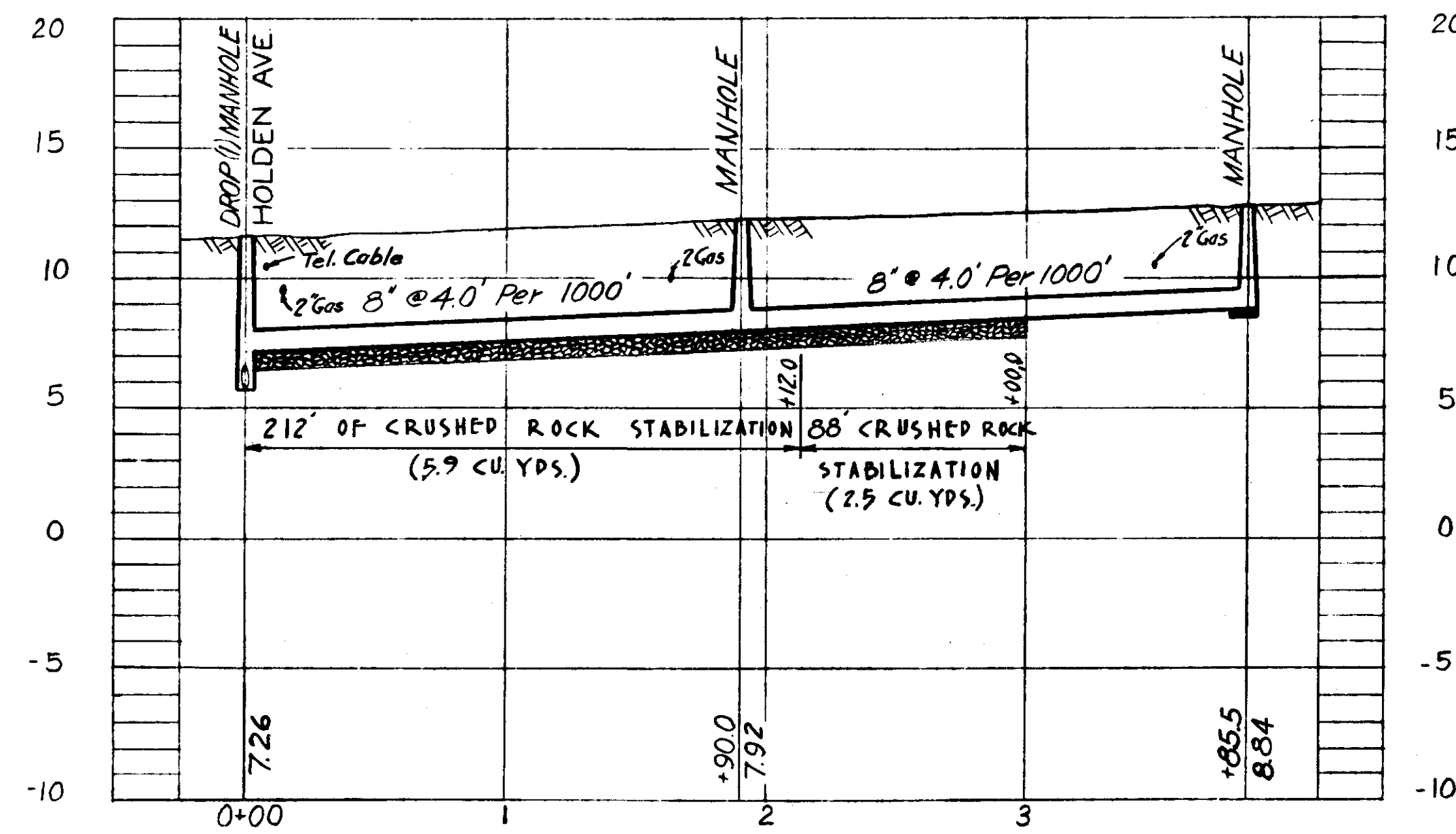


Note.
Homes frame except
where noted otherwise

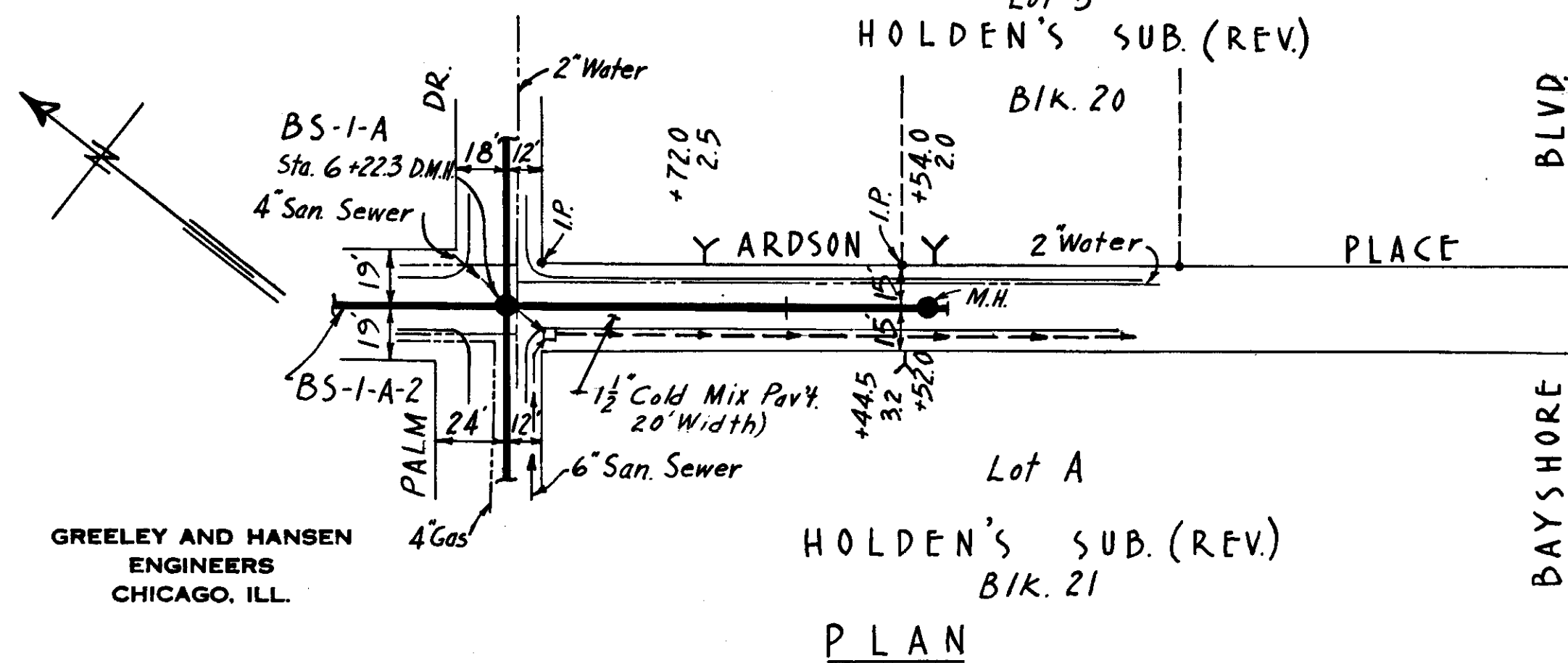
PLAN



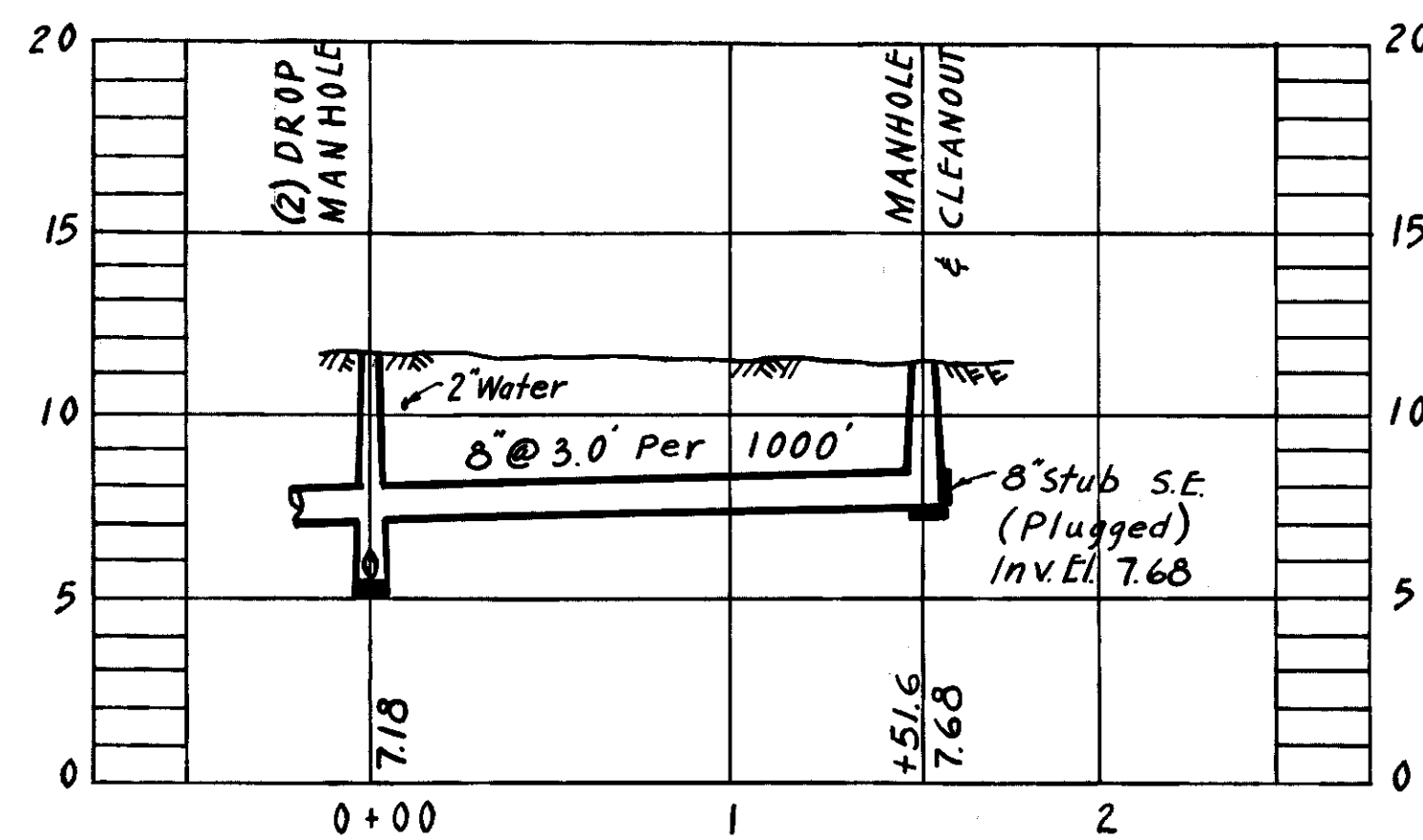
PROFILE
BS-1-A-1



PROFILE
BS-1-A-2



PLAN

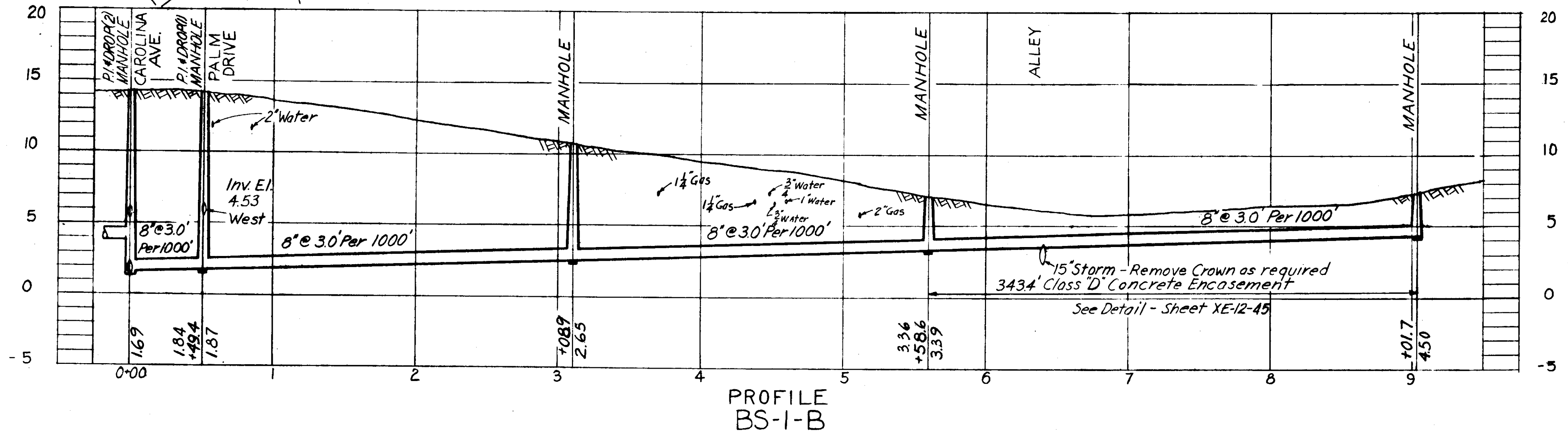
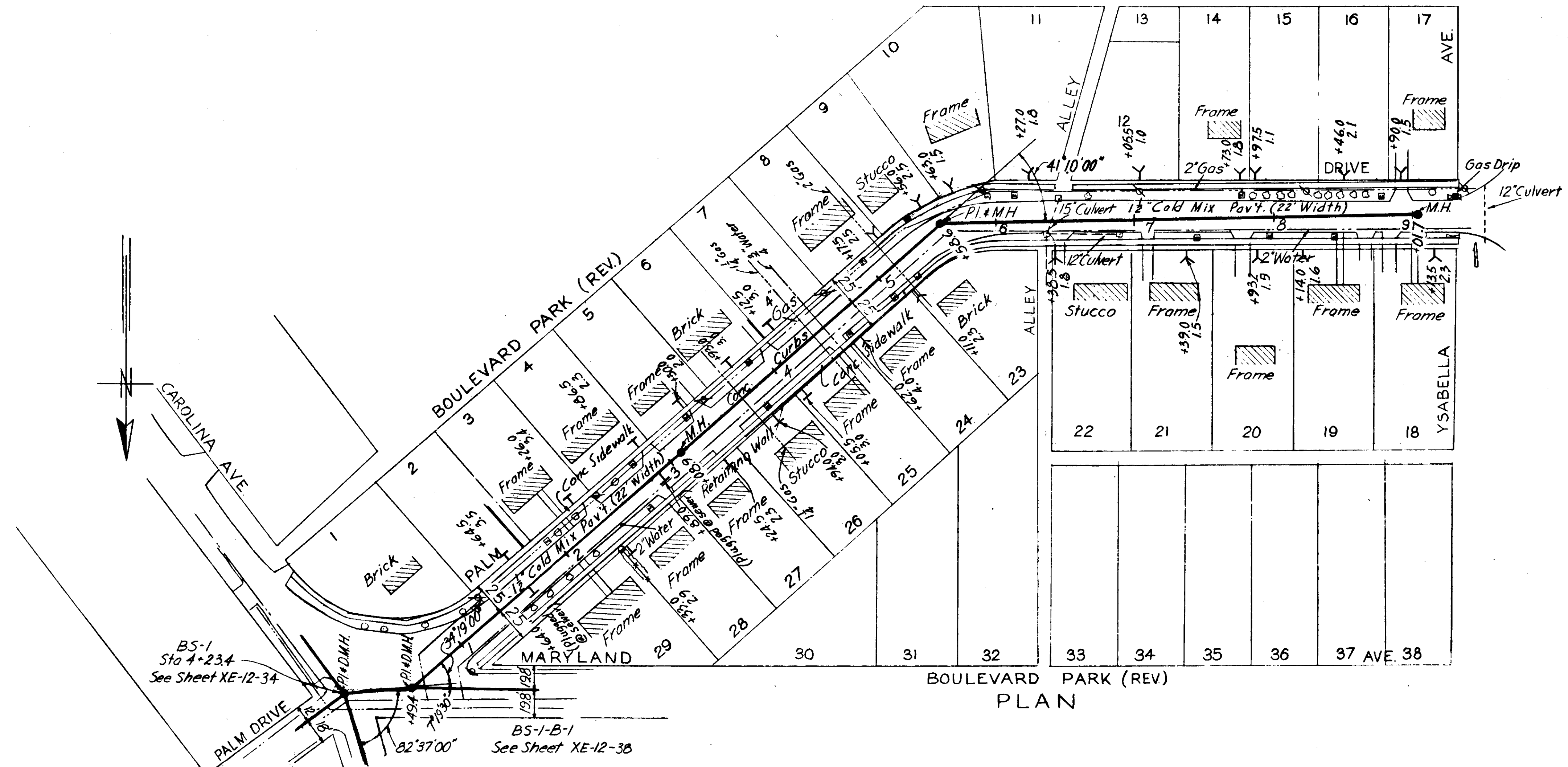


PROFILE
BS-1-A-2-A

- AS-BUILT PLAN -

Revised to show actual conditions according
to construction record as of
(A.F.L. 8-31-55)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE12		
BS-1-A-1 & BS-1-A-2 & BS-1-A-2-A		
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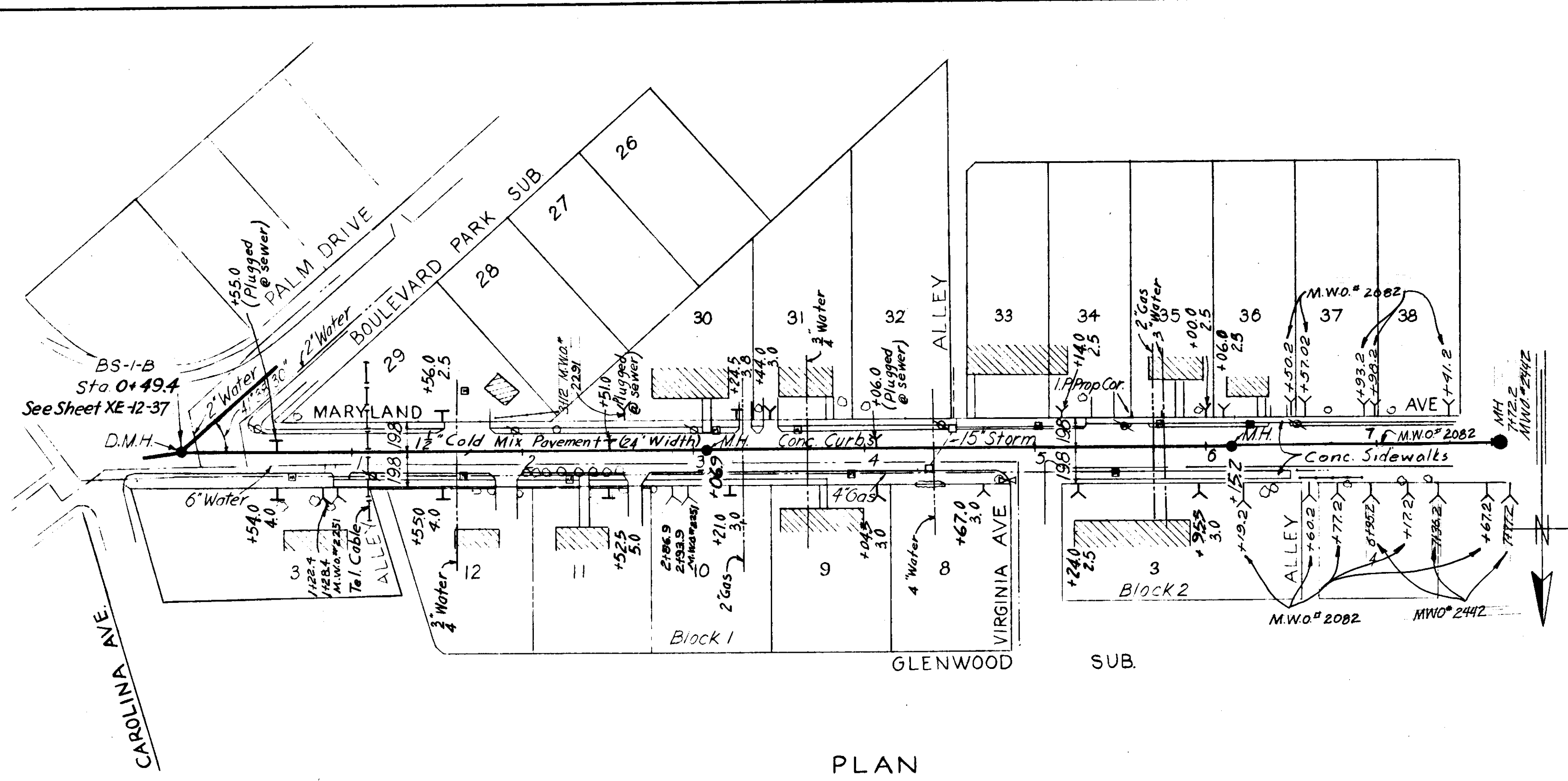


GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

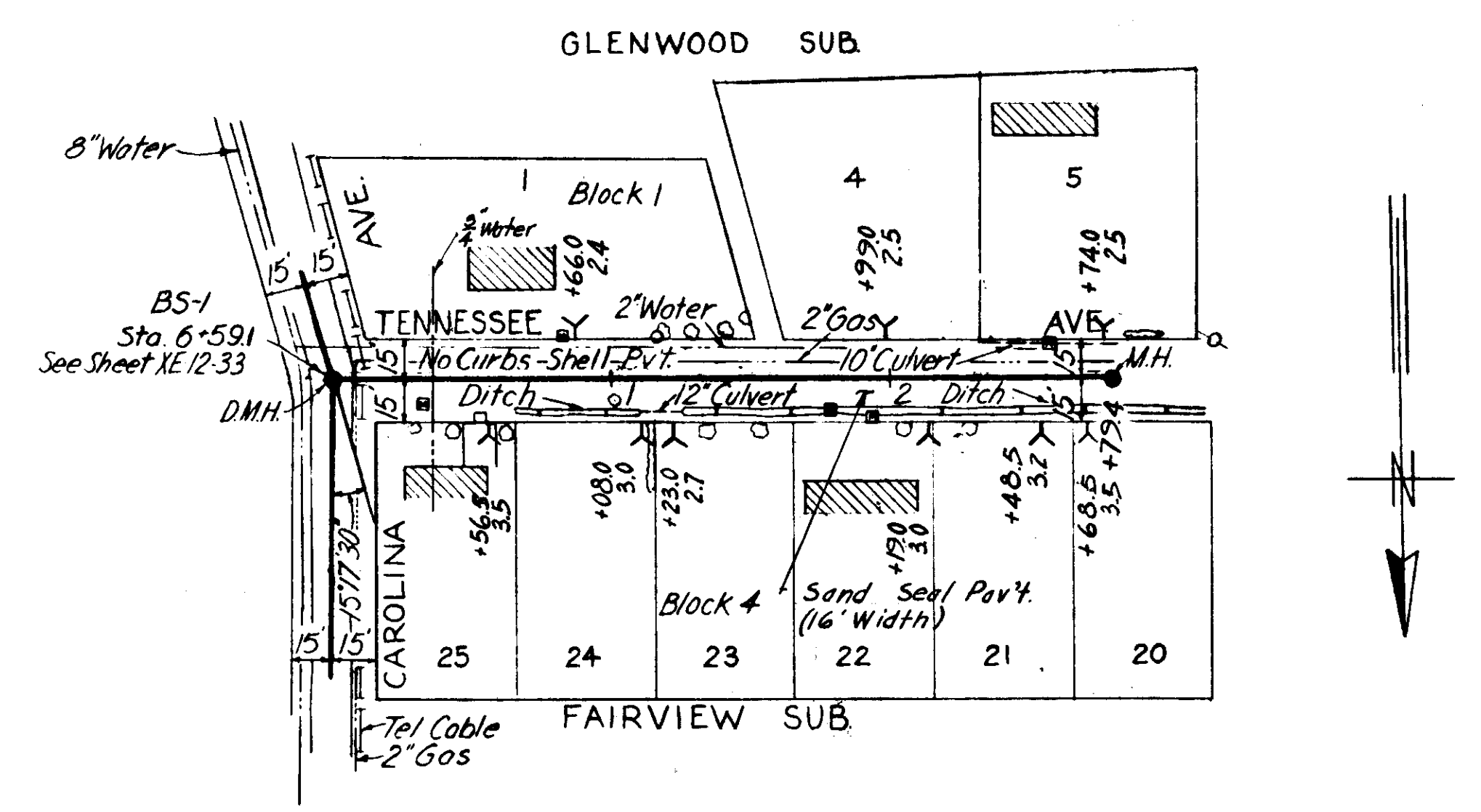
-AS-BUILT PLAN-
Revised to show actual conditions according
to construction record as of
(A.F.L. 9-6-55)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE 12		
BS-1-B		
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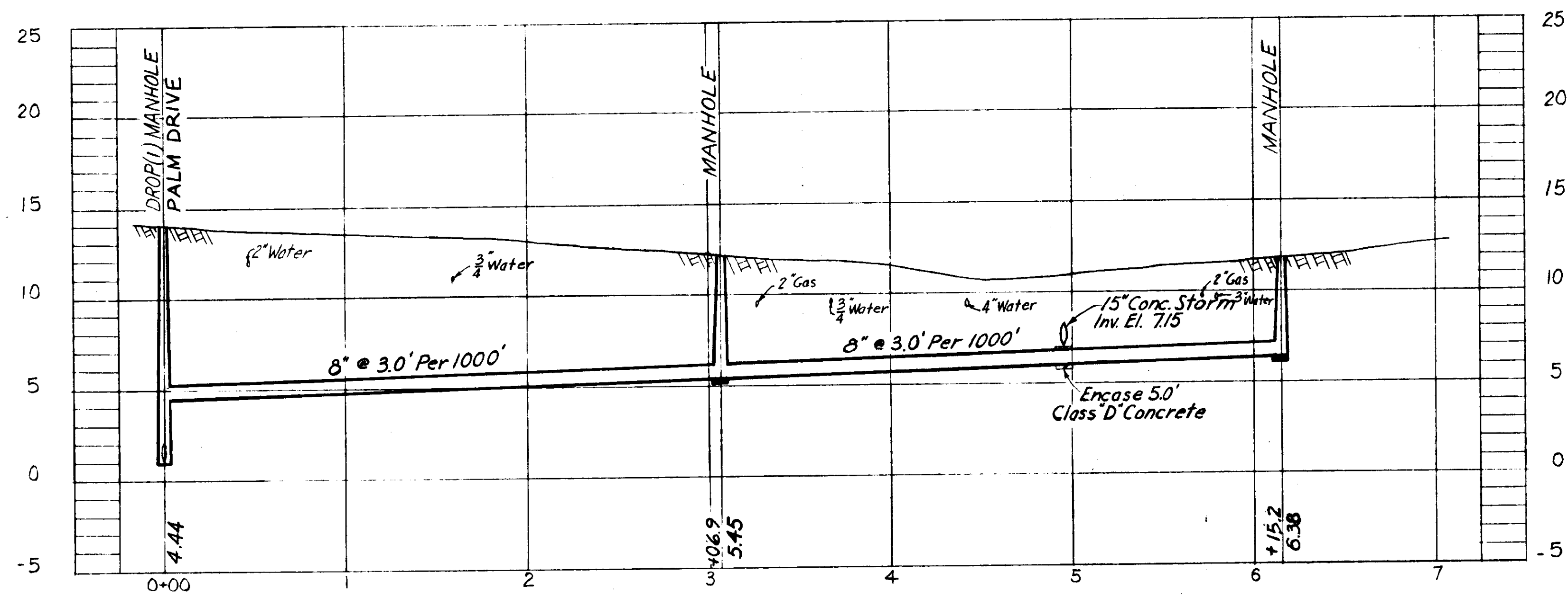
As-Built 61-37



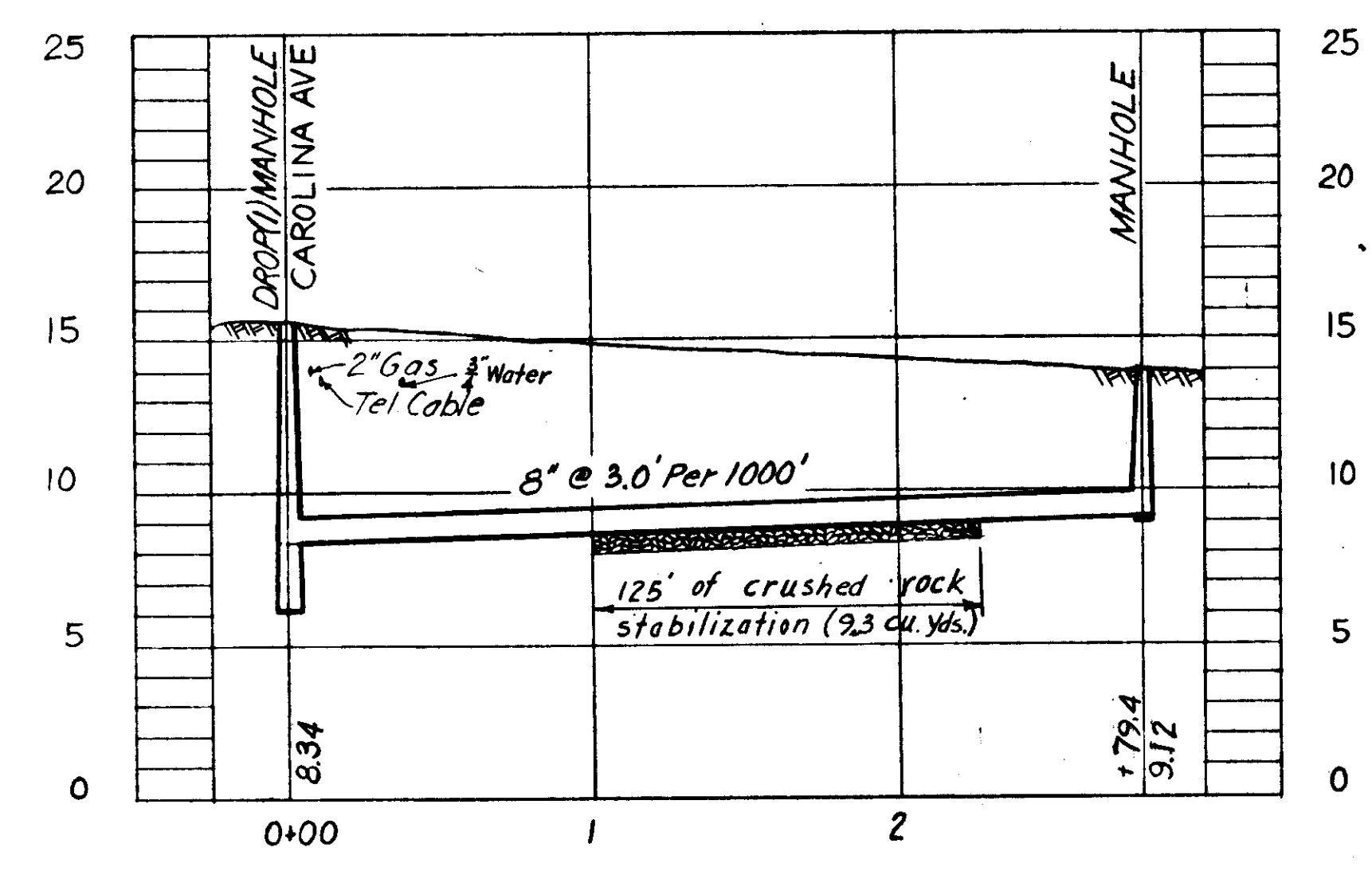
PLAN



PLAN



PROFILE
BS-I-B-1



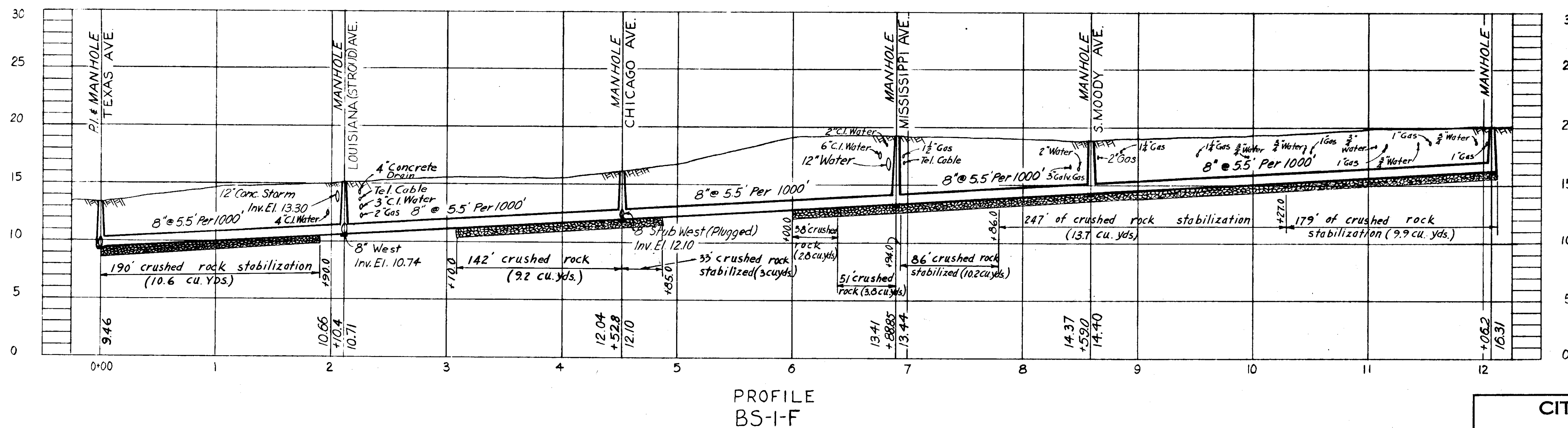
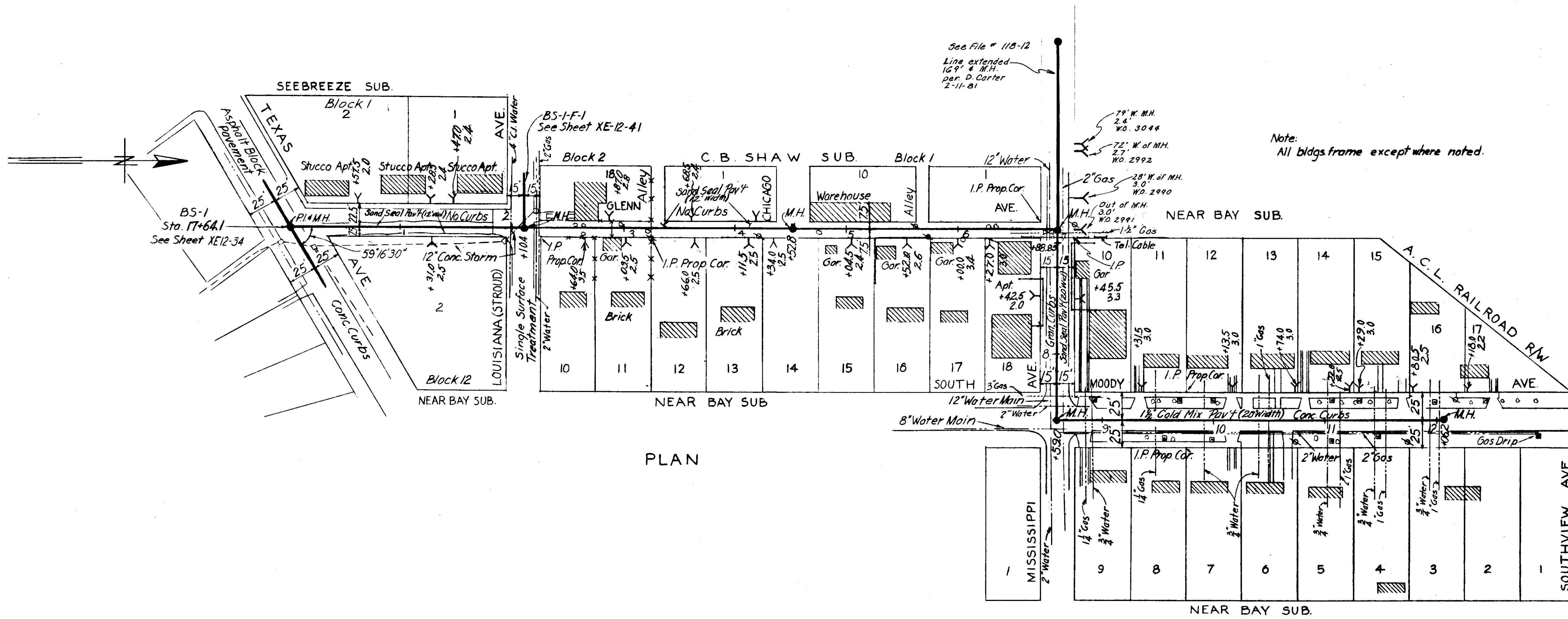
PROFILE
BS-I-C

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

-AS-BUILT PLAN-
Revised to show actual conditions according
to construction record as of
(A.F.L. 9-7-55).

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE 12		
BS-I-B-1 & BS-I-C		
DES. E.C.A. DR. M.R. CKD. E.E.S. DATE: OCT. 1954	SCALE 50 0 50 100 1" = 50'	SHEET XE12-38 OF 45

As-Built 61-38

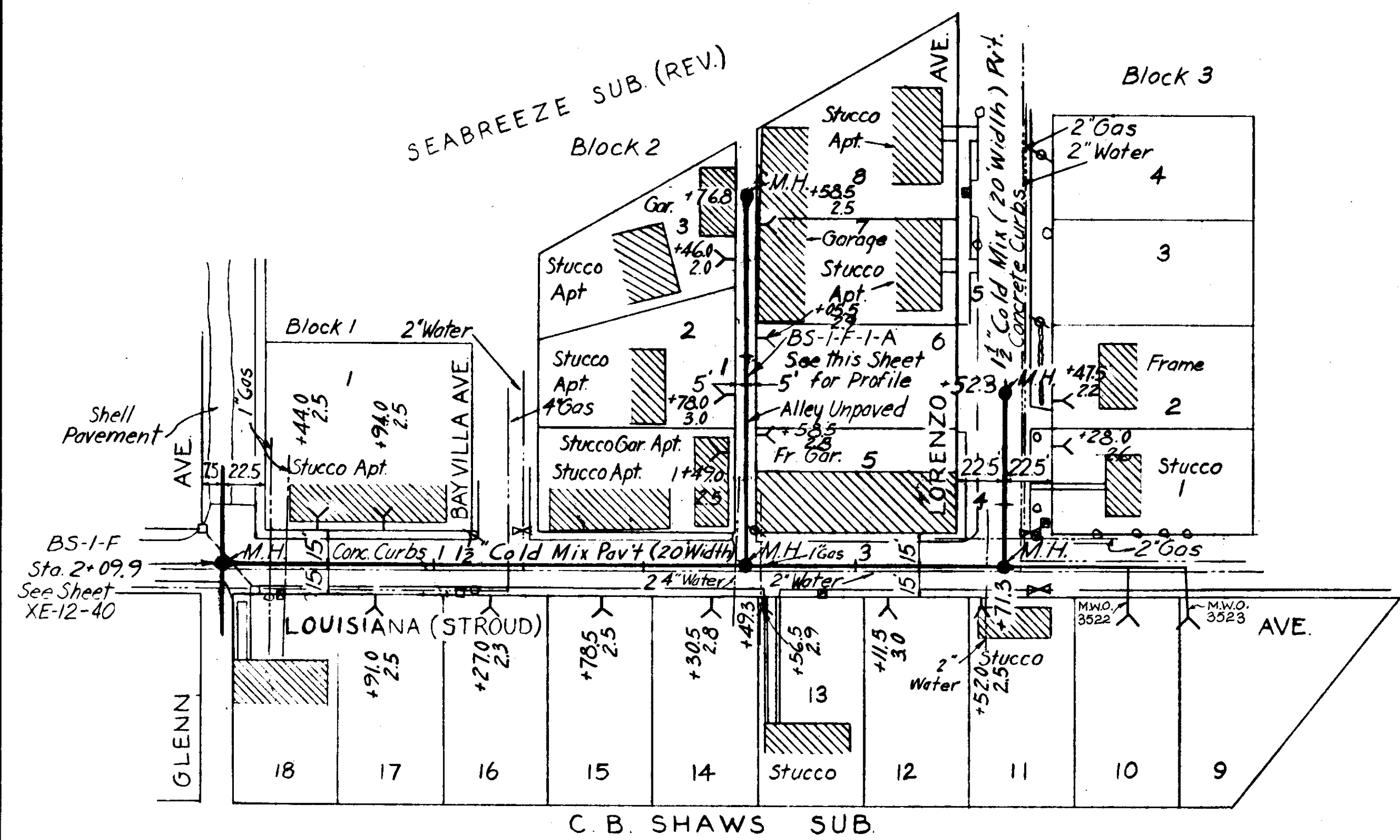


GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

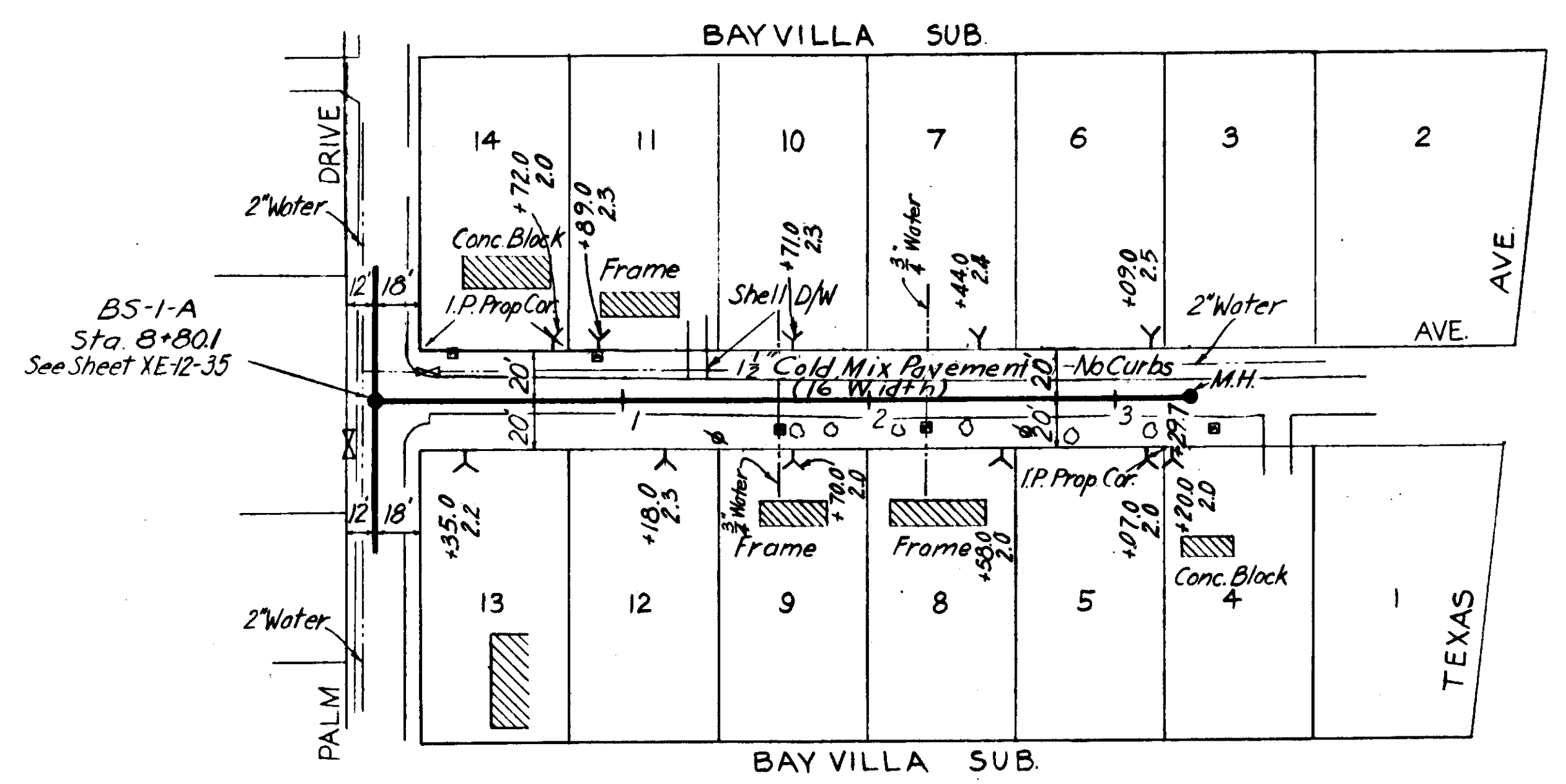
- AS-BUILT PLAN -
Revised to show actual conditions according to
construction record as of
(A.F.L. 9-12-99).

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE12		
BS-I-F		
DES. E.C.A. DR. M.R. CKD. E.E.S. DATE: OCT. 1954	SCALE 0 50 100 1" = 50'	SHEET XE12-40 OF 45

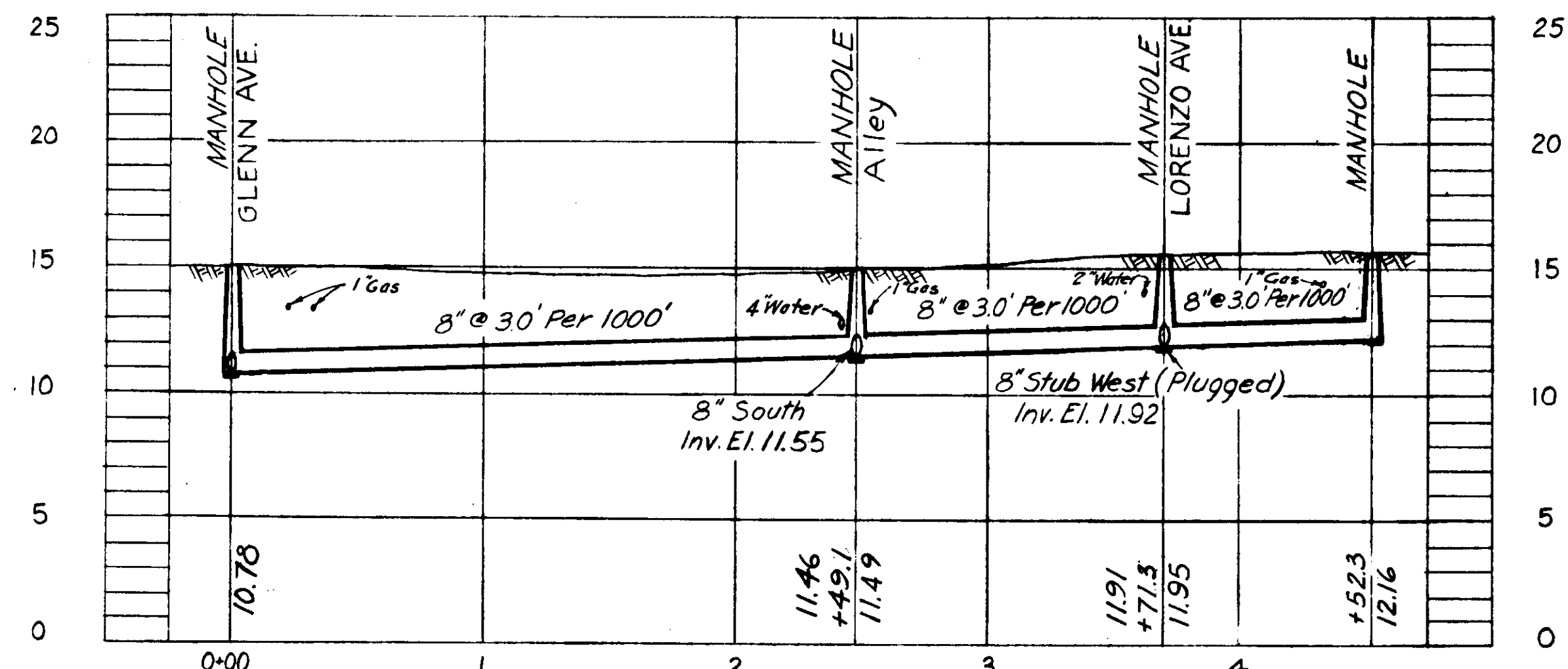
As-Built 61-40



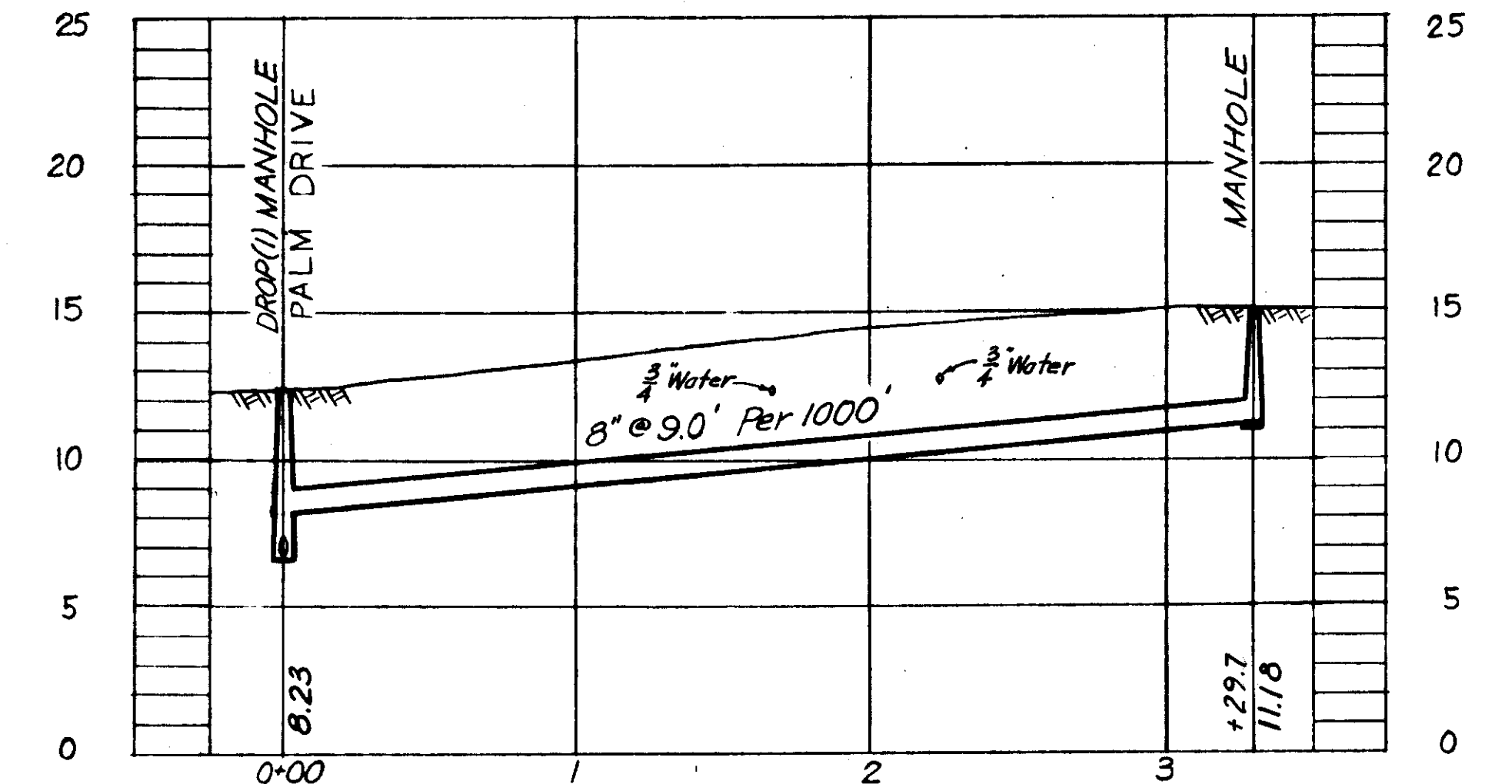
PLAN



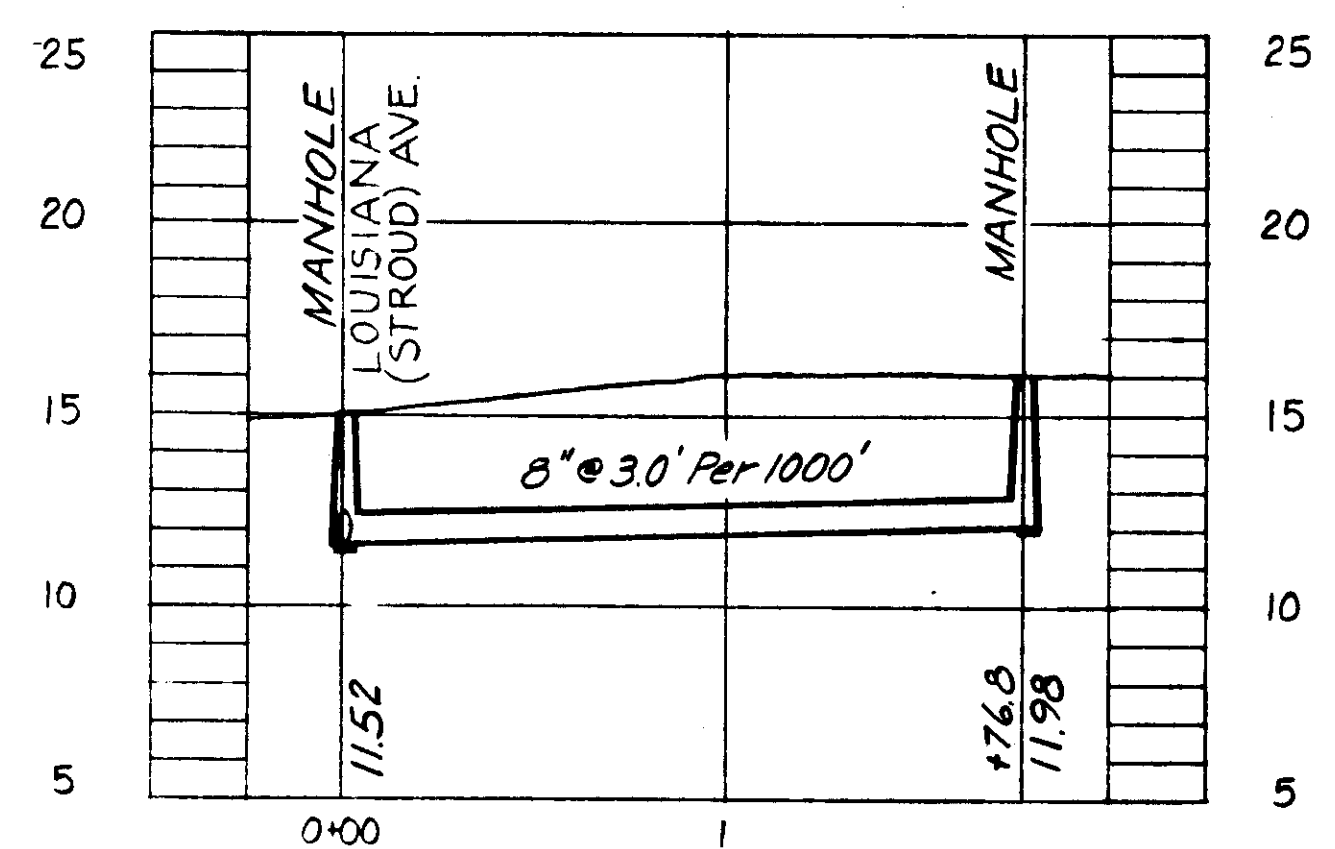
PLAN



PROFILE BS-1-F-1



PROFILE BS-1-A-3



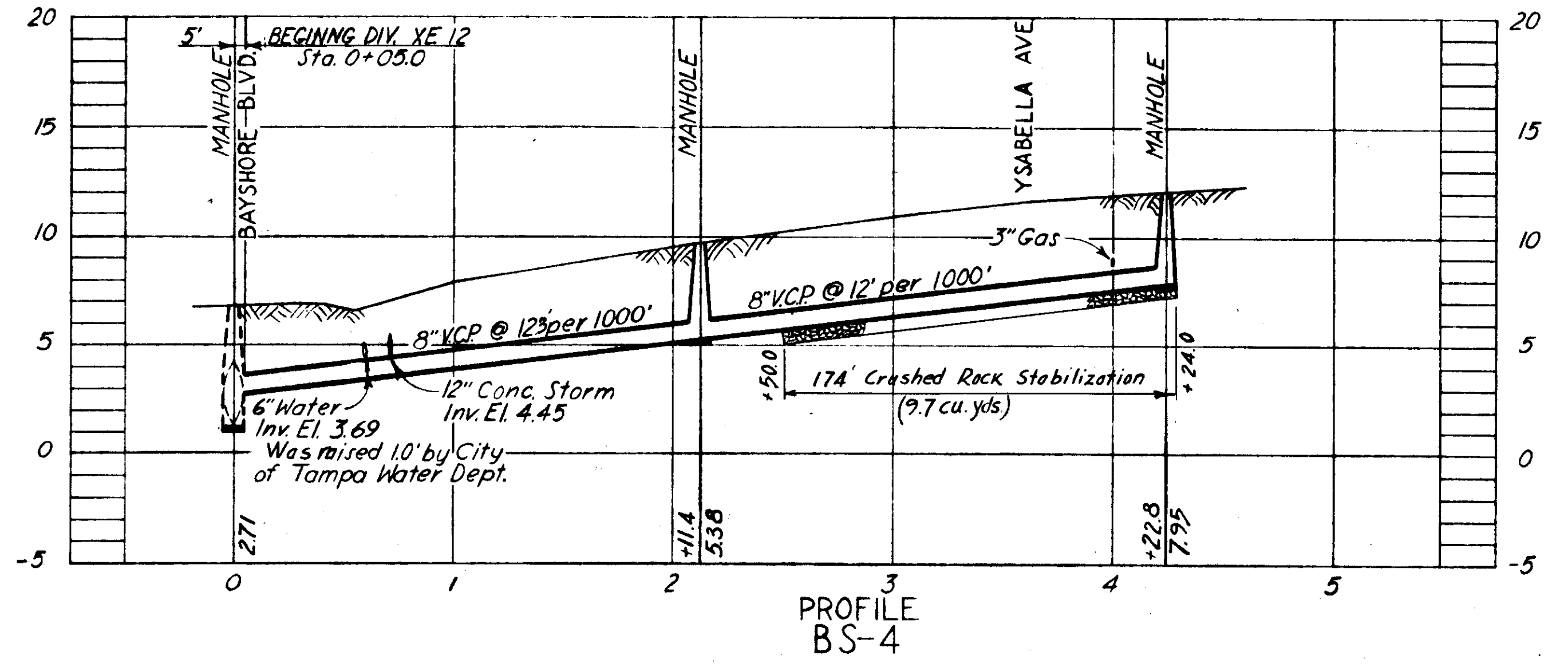
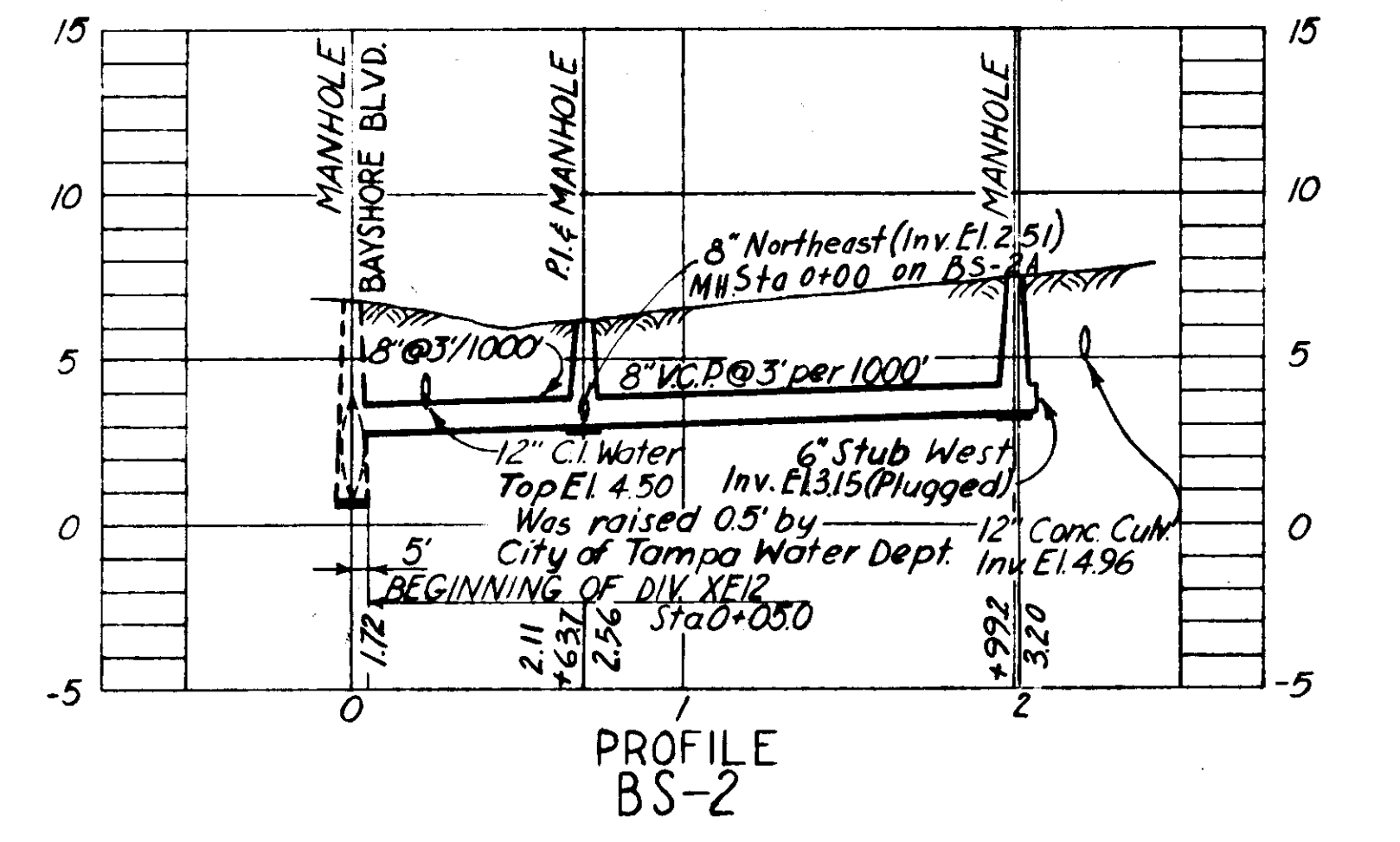
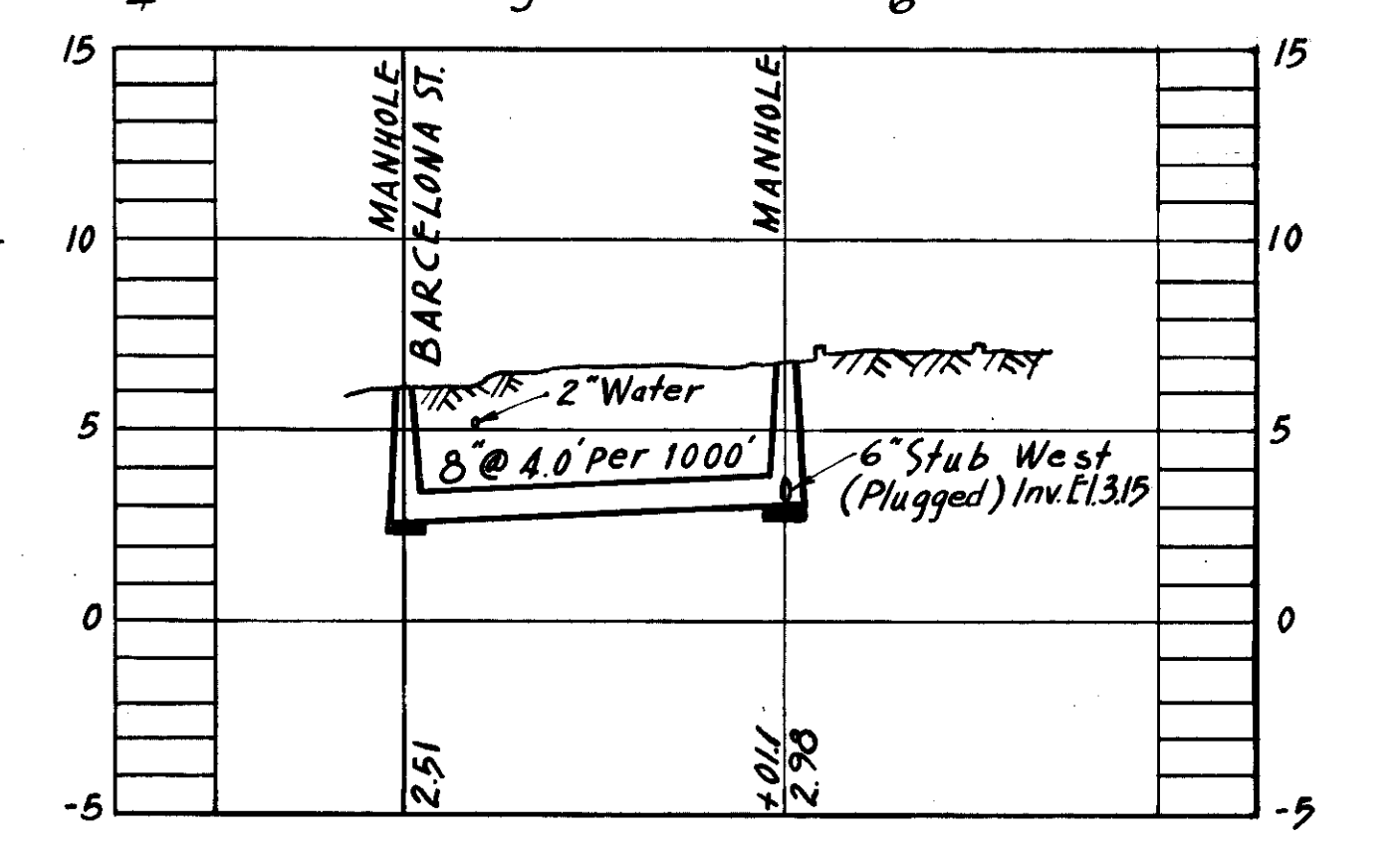
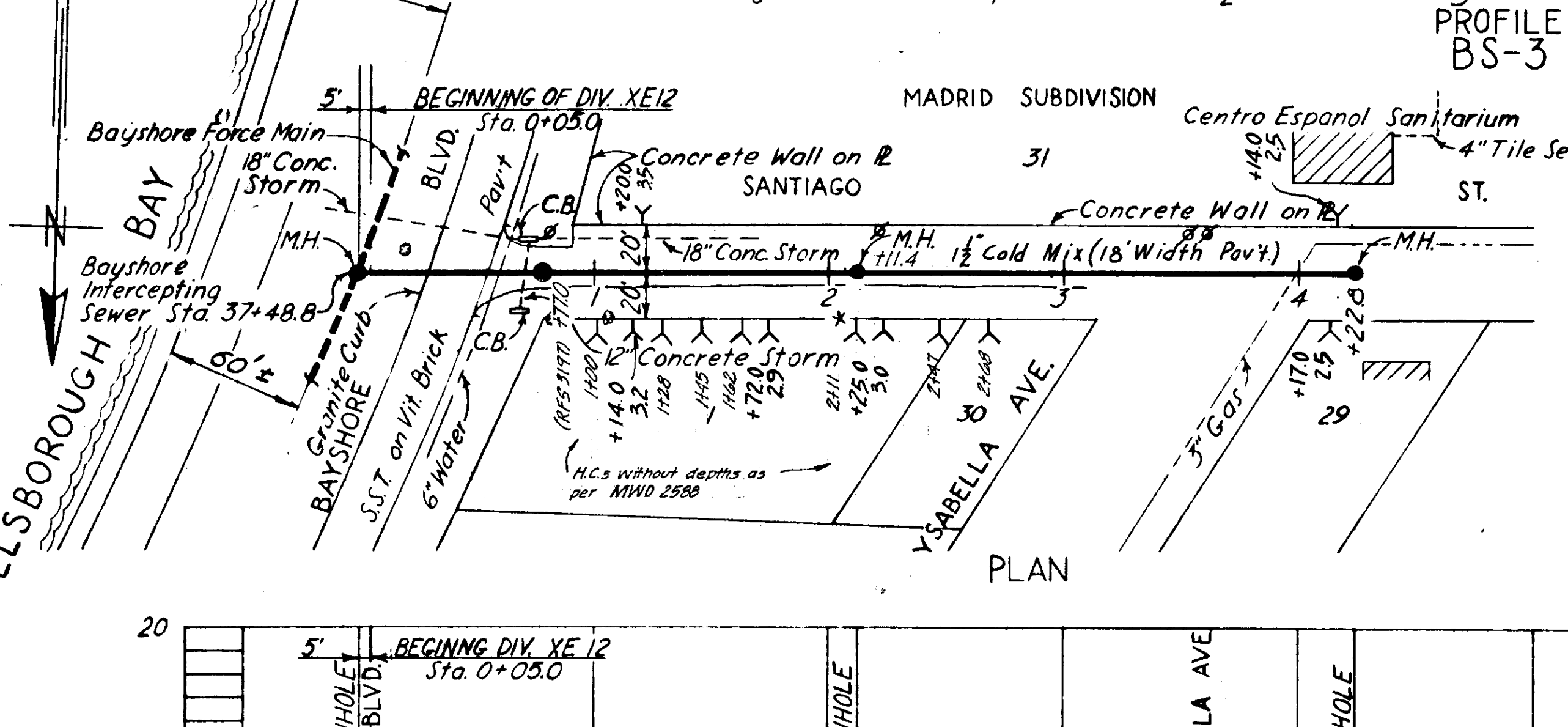
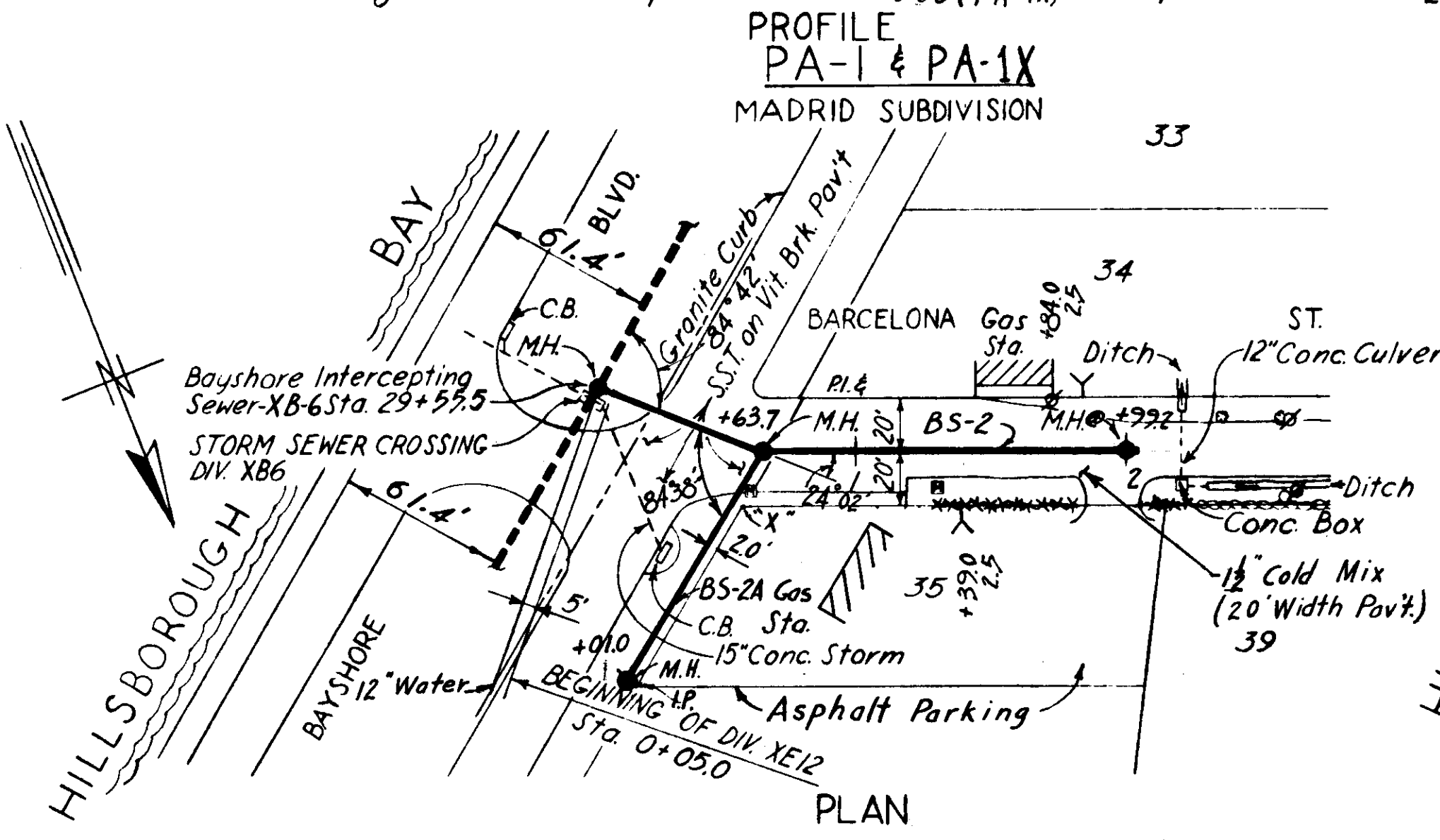
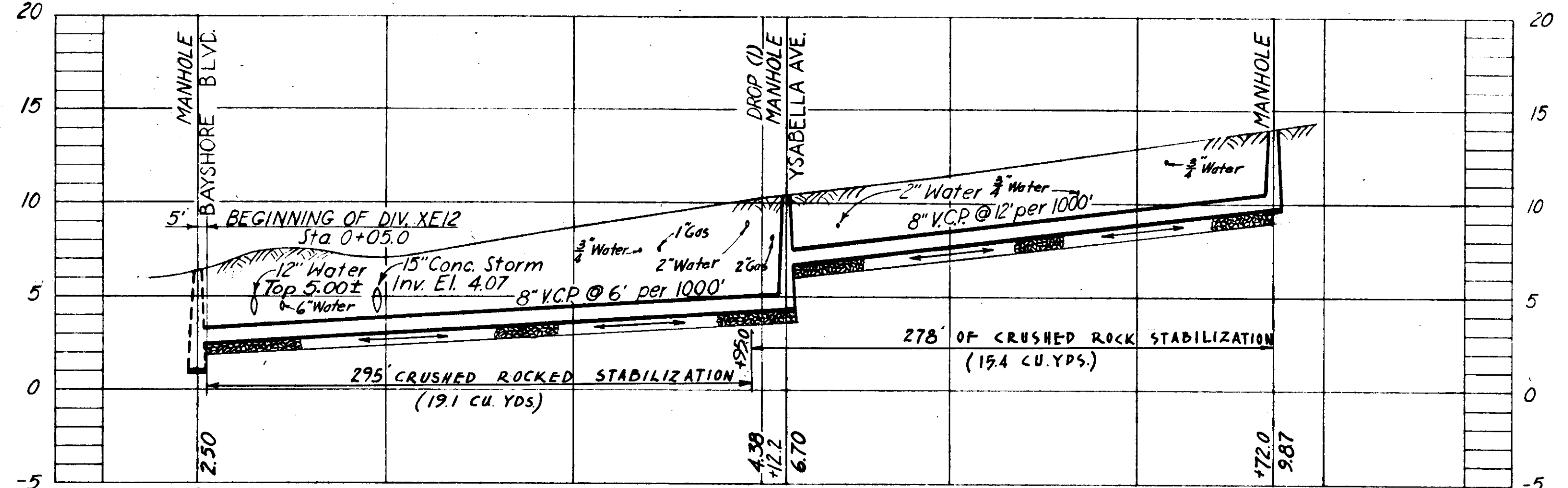
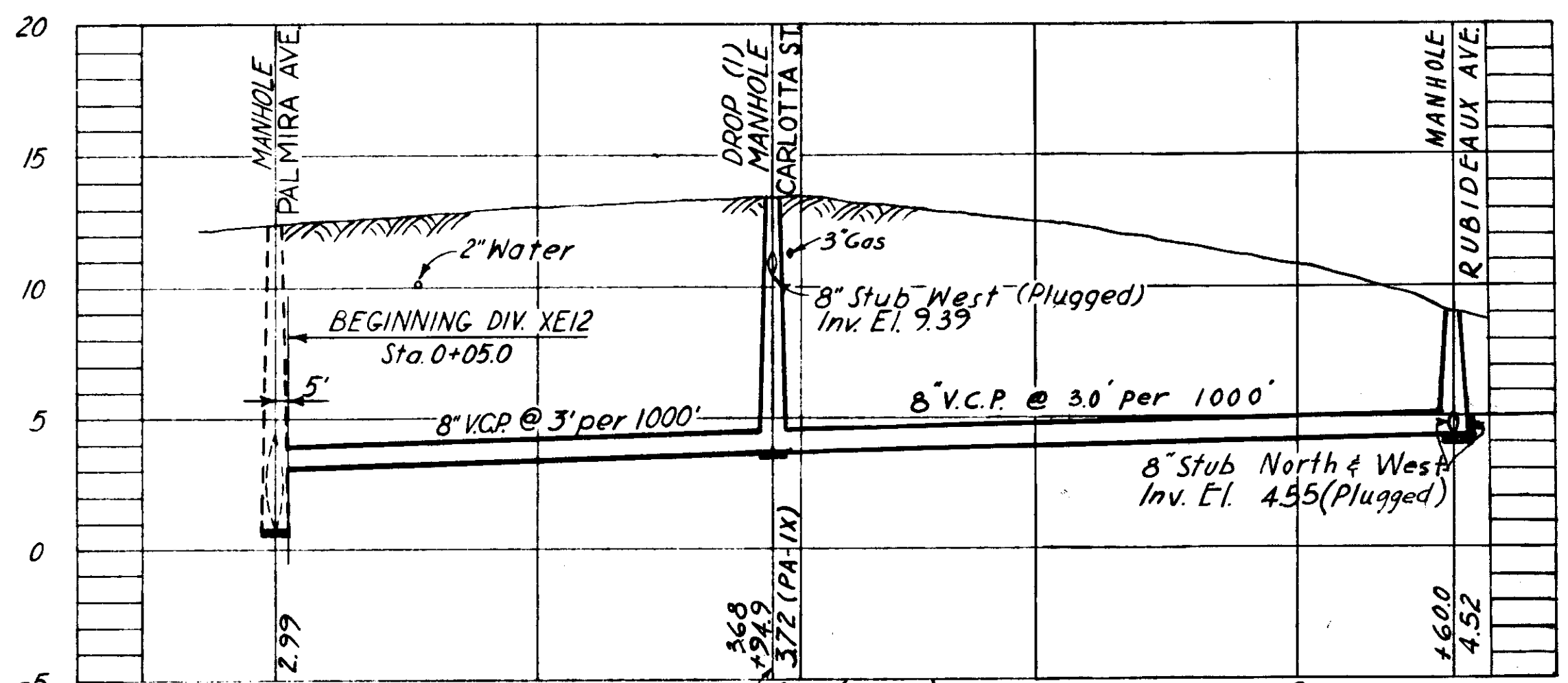
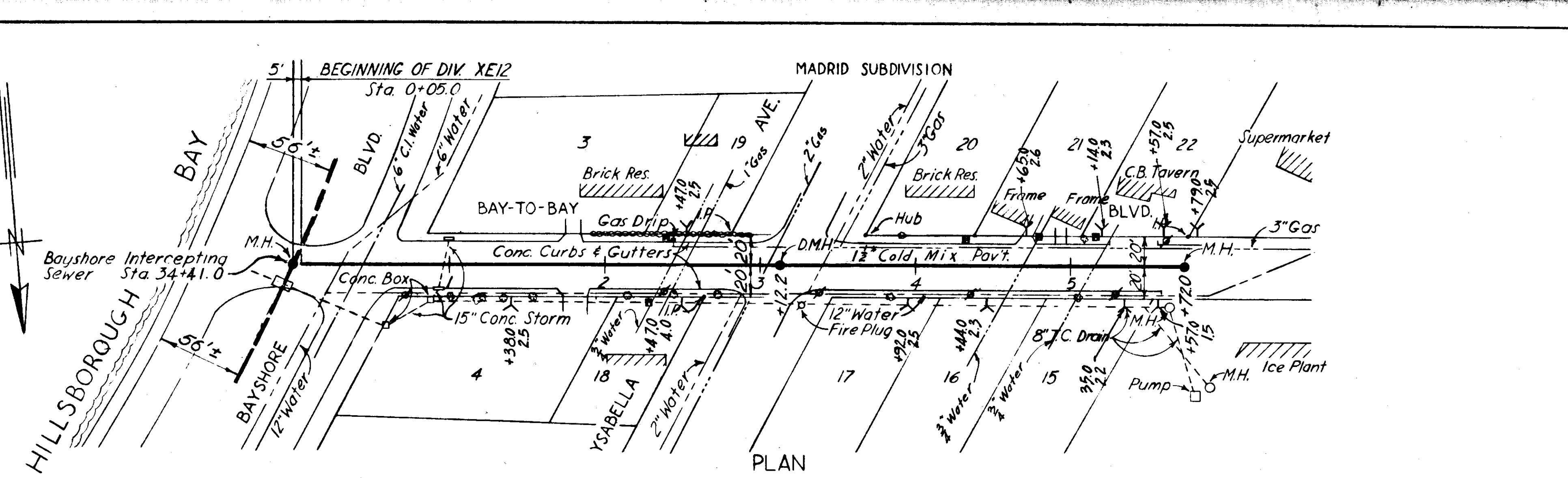
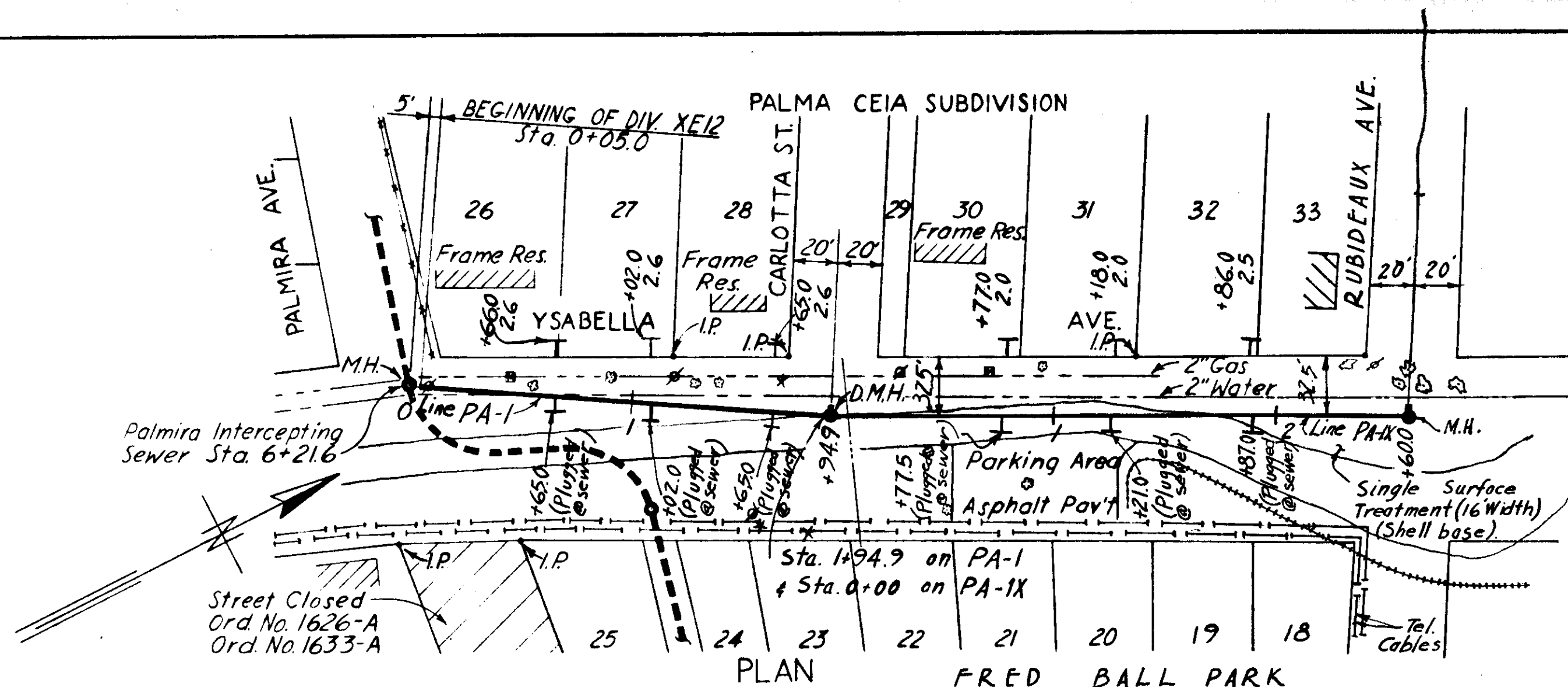
PROFILE BS-1-F-1-A

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

- AS-BUILT PLAN -
Revised to show actual conditions according to
construction record as of
(A.F.L. 9-12-55)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE12		
BS-1-F-1, BS-1-F-1-A & BS-1-A-3		
DES. E.C.A. DR. M.R. CKD. E.E.S. DATE: OCT. 1954	SCALE 50 0 50 100 1" = 50'	SHEET XE12-41 OF 45

As-Built 61-41



-AS-BUILT PLAN-
Revised to show actual conditions according to construction record as of (A.F.L. 3-30-56)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE12

PA-1, BS-2, BS-3 & BS-4
BS-2A & PA-1x

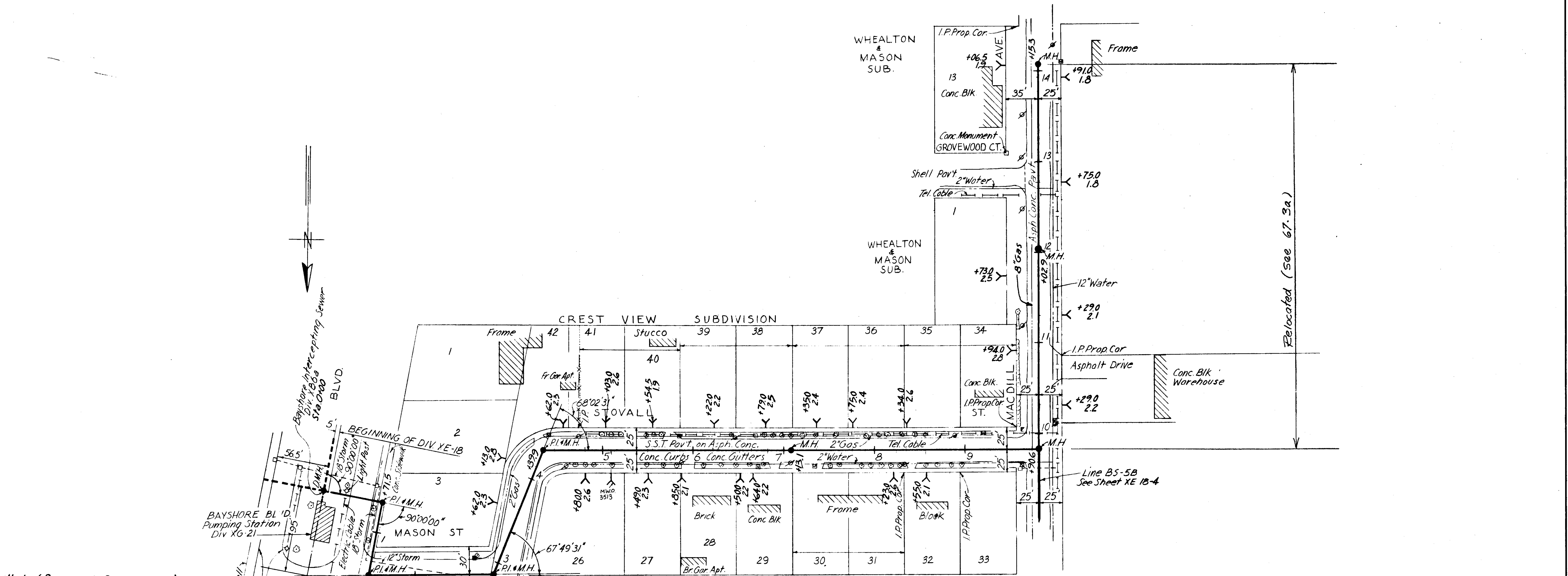
DES. W.M.-E.S.
DR. W.B.W.
CKD. R.E.F.
DATE: OCT. 1954

SCALE
50 0 50 100 ft-50'

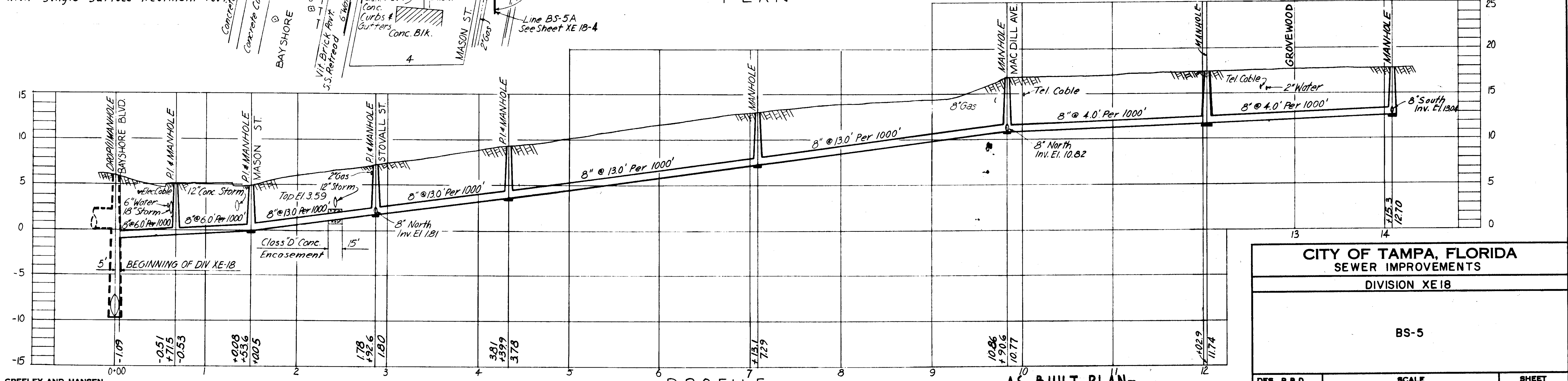
SHEET
XE1242
OF 45

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

As-Built 61-42



Note: (Pavement Replacement)
 Sta. 1+300 to Sta. 9+700 replaced
 with Single Surface Treatment Pavt.



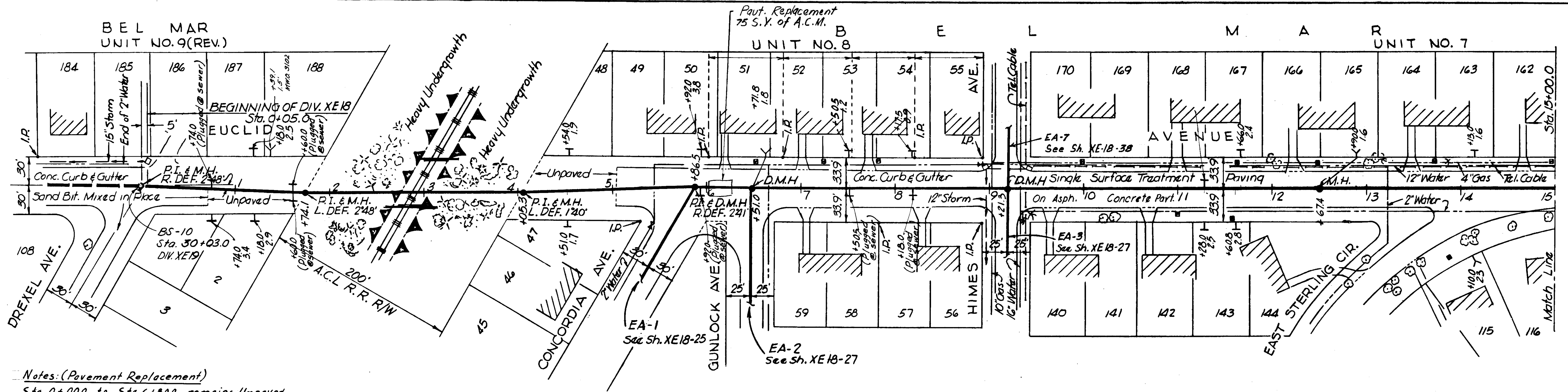
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

PROFILE
 BS-5

-AS-BUILT PLAN-
 Revised to show actual conditions according
 to construction record as of
 (A.F.L. 9-21-56)

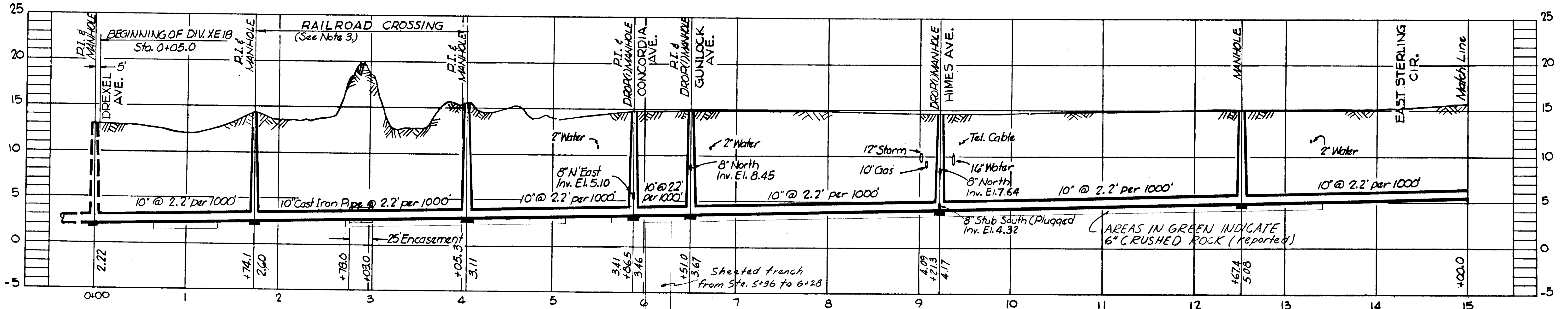
CITY OF TAMPA, FLORIDA	
SEWER IMPROVEMENTS	
DIVISION XE 18	
BS-5	
DES. R.B.D.	SCALE
DR. M.R.	50 0 50 100 1"=50'
CKD. R.E.F.	SHEET
DATE:	JUNE 1955
	XE18-3
	OF 40

As-Built 67-3

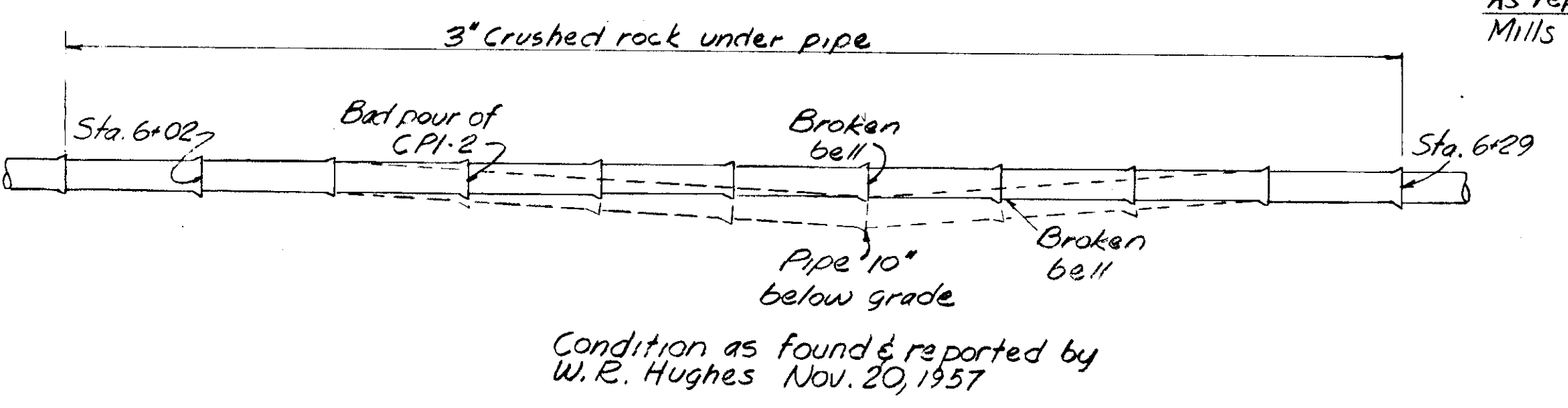


Notes: (Pavement Replacement)
 Sta. 0+000 to Sta. 6+800 remains Unpaved.
 Sta. 6+800 to Sta. 15+00 replaced with
 1 1/2" Cold Mix Pavement.

PLAN



PROFILE EA



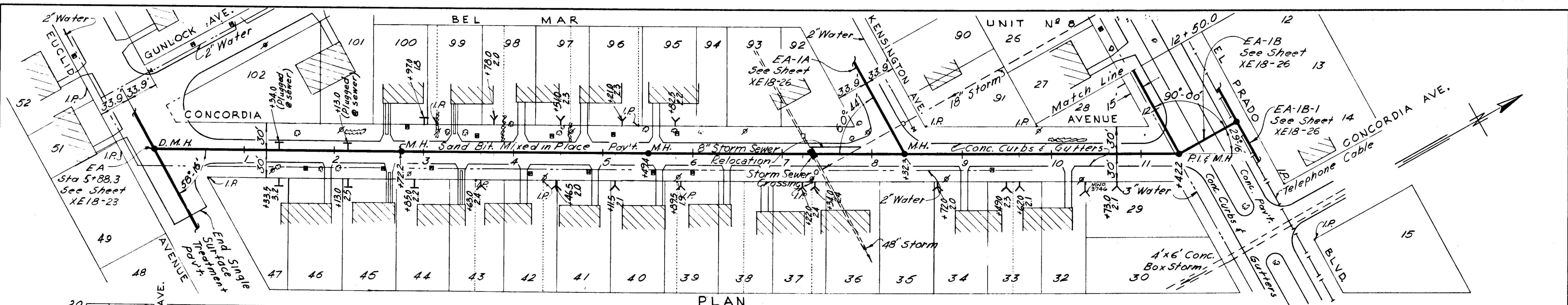
NOTES:
 1. All Bldgs. Conc. Block Construction.
 2. --- Property Lines as indicated by Hillsborough County Tax Records.
 3. Method of construction of Railroad Crossing to be at option of the Contractor, with approval of the Atlantic Coast Line Railroad Company in accordance with the specifications - Section 16 - Railroad Crossing.
 -AS-BUILT PLAN-

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

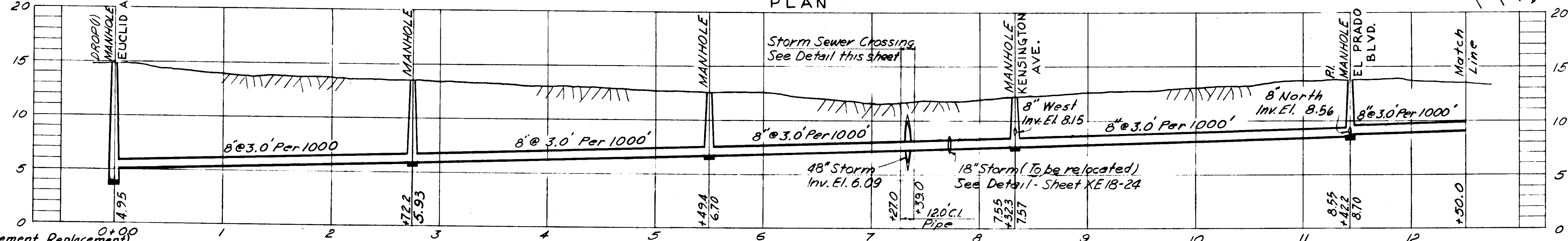
CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE18	
EA STA. 0+05.0 TO STA. 15+00	
DES. C.M.T. DR. C.M.T. CKD. R.E.F. DATE: JUNE 1955	SCALE 0 50 100 1"=50'
SHEET XE18-23 OF 40	

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

As-Built 67-23



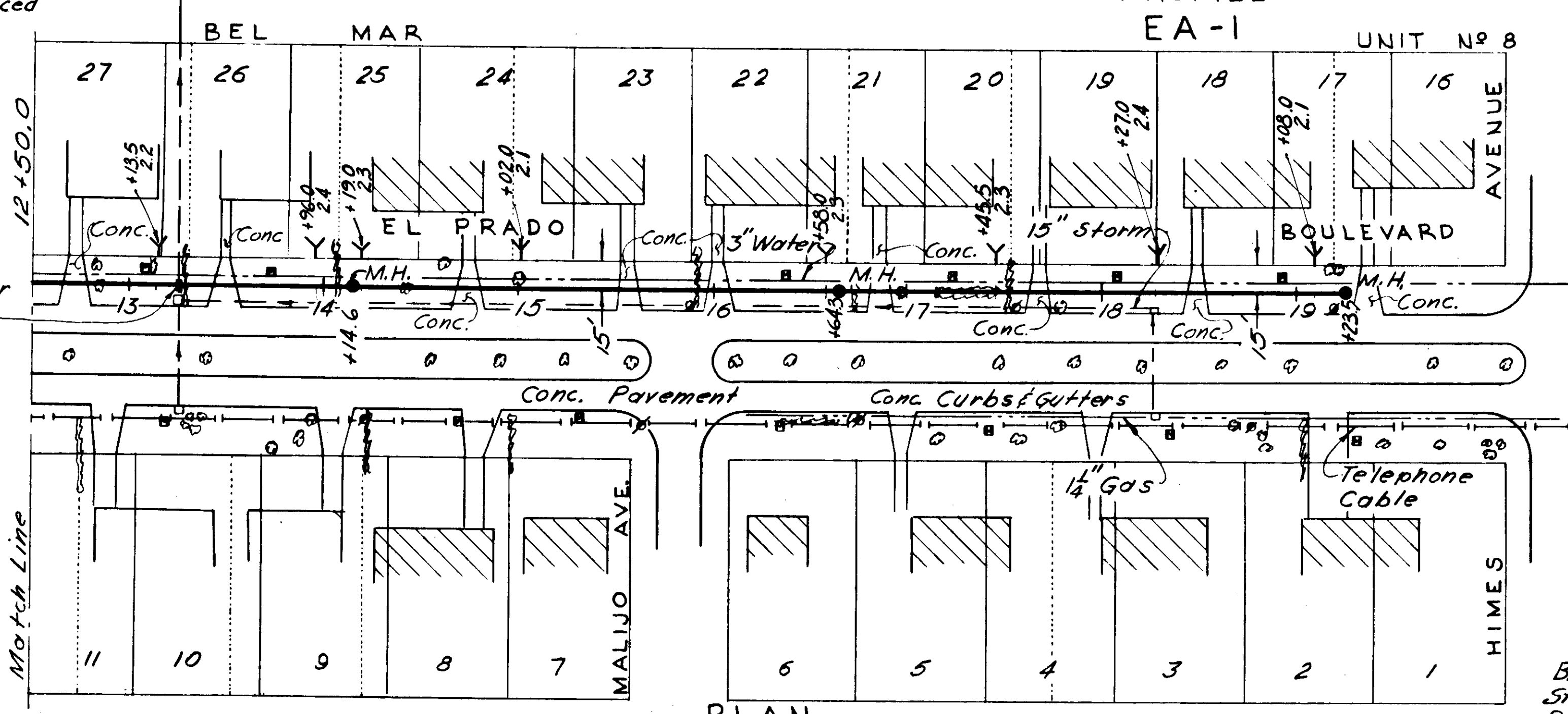
PLAN



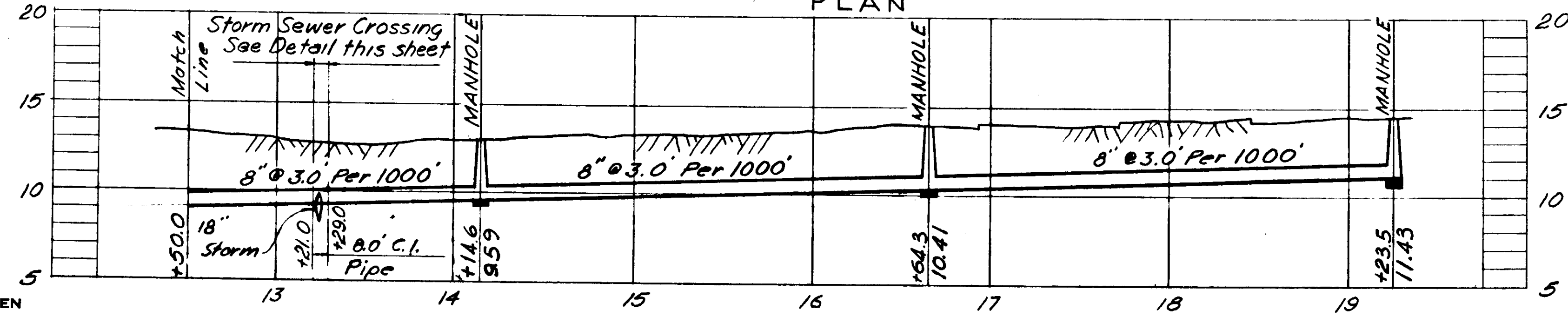
PROFILE EA-1

Notes: (Pavement Replacement)
Sta. 0+00.0 to Sta. 4+25.0 replaced with Shell Base Pavement.

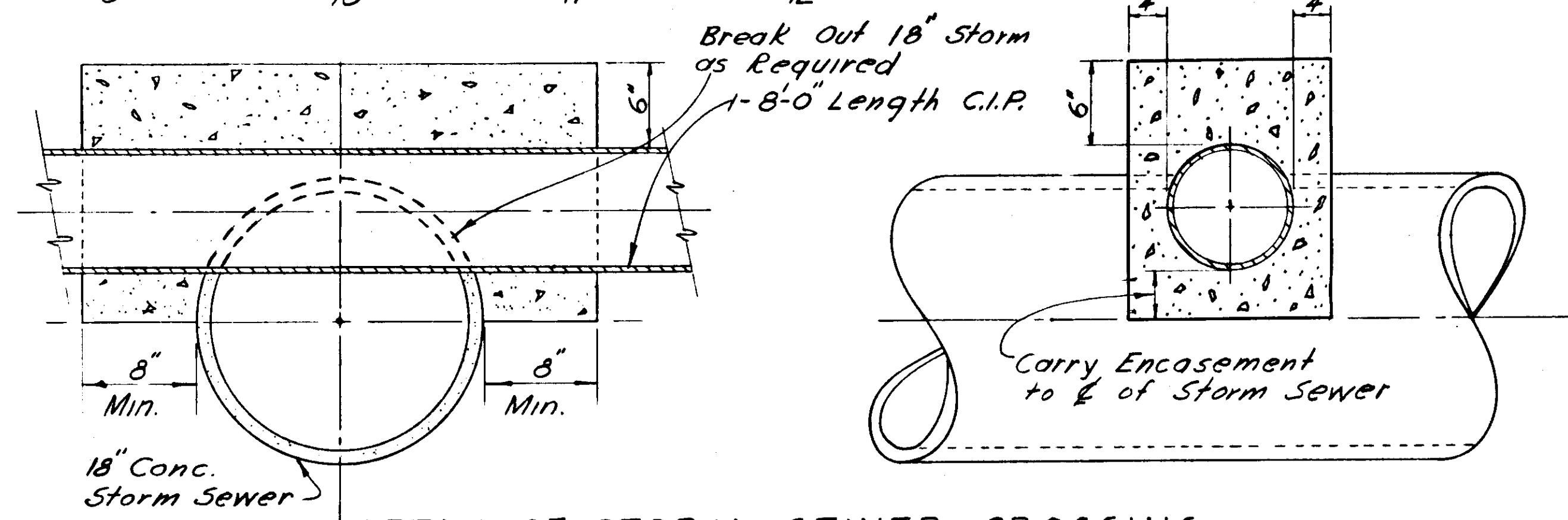
LEGEND-PROPERTY LINES
 - - - - - Property Lines as Indicated by Hillsborough County Tax Records.
 ——— Property Lines as Indicated by Subdivision Plat.



PLAN



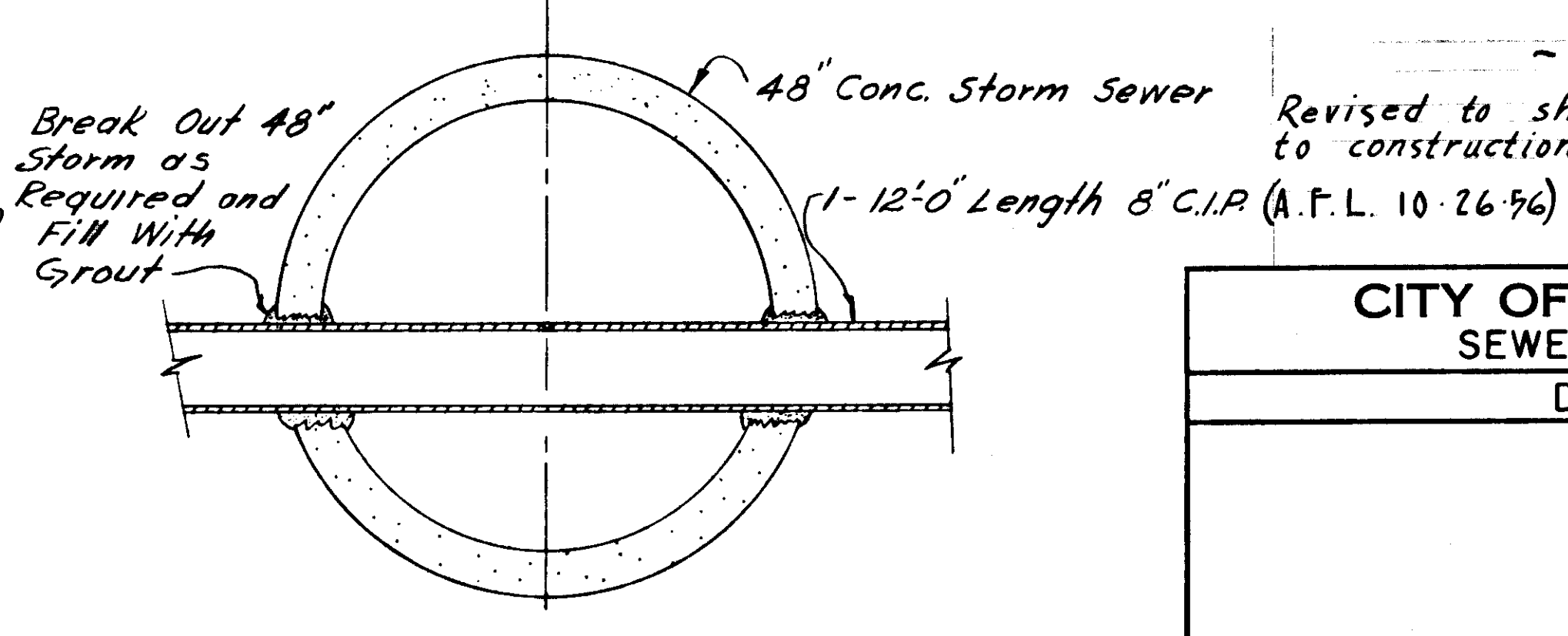
PROFILE EA-1



DETAIL OF STORM SEWER CROSSING

EA-1
Sta 13+25.0
Scale: 1/2" = 1'-0"

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



DETAIL OF STORM SEWER CROSSING

EA-1
Sta. 7+33.0
Scale: 3/4" = 1'-0"

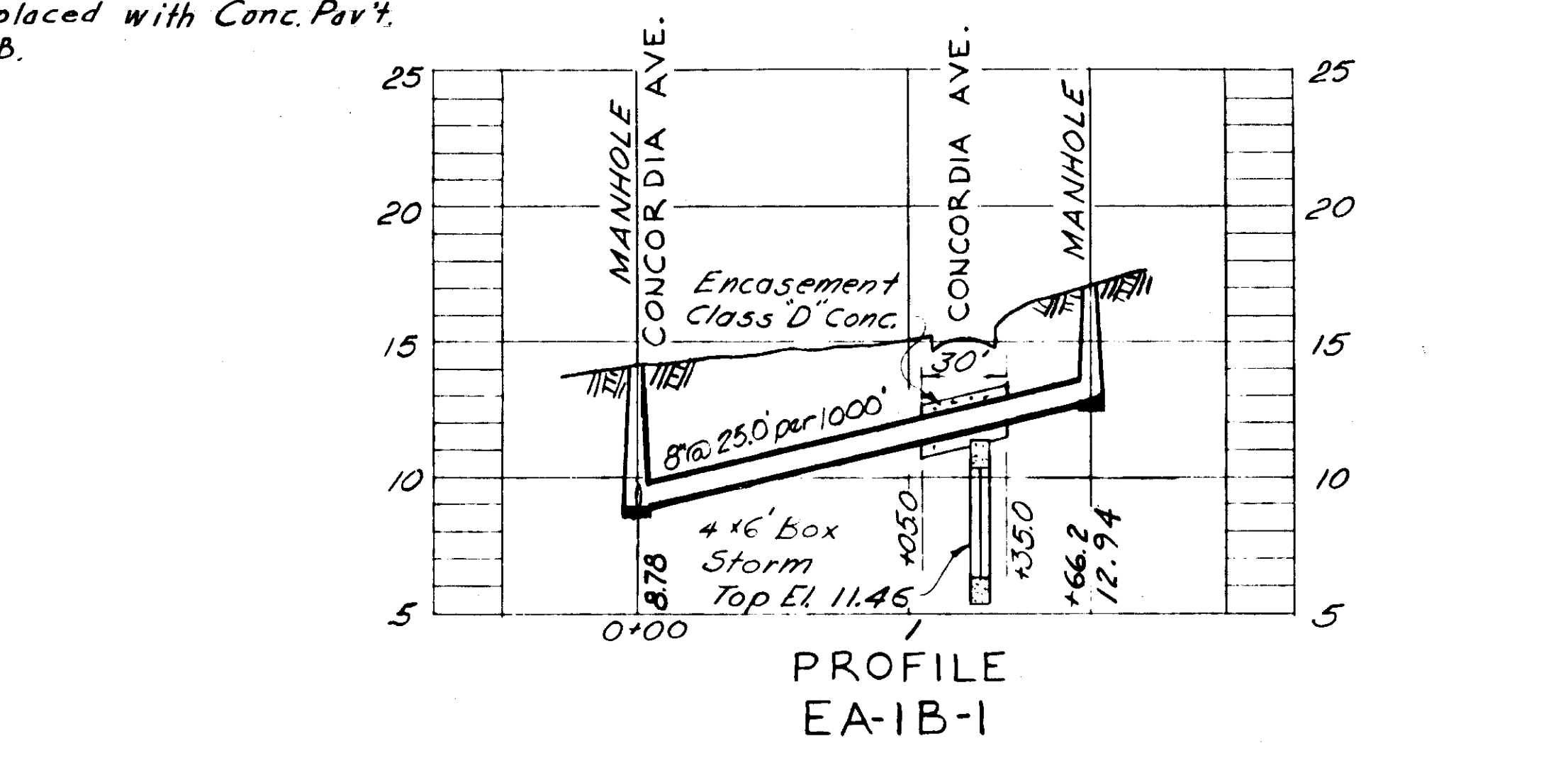
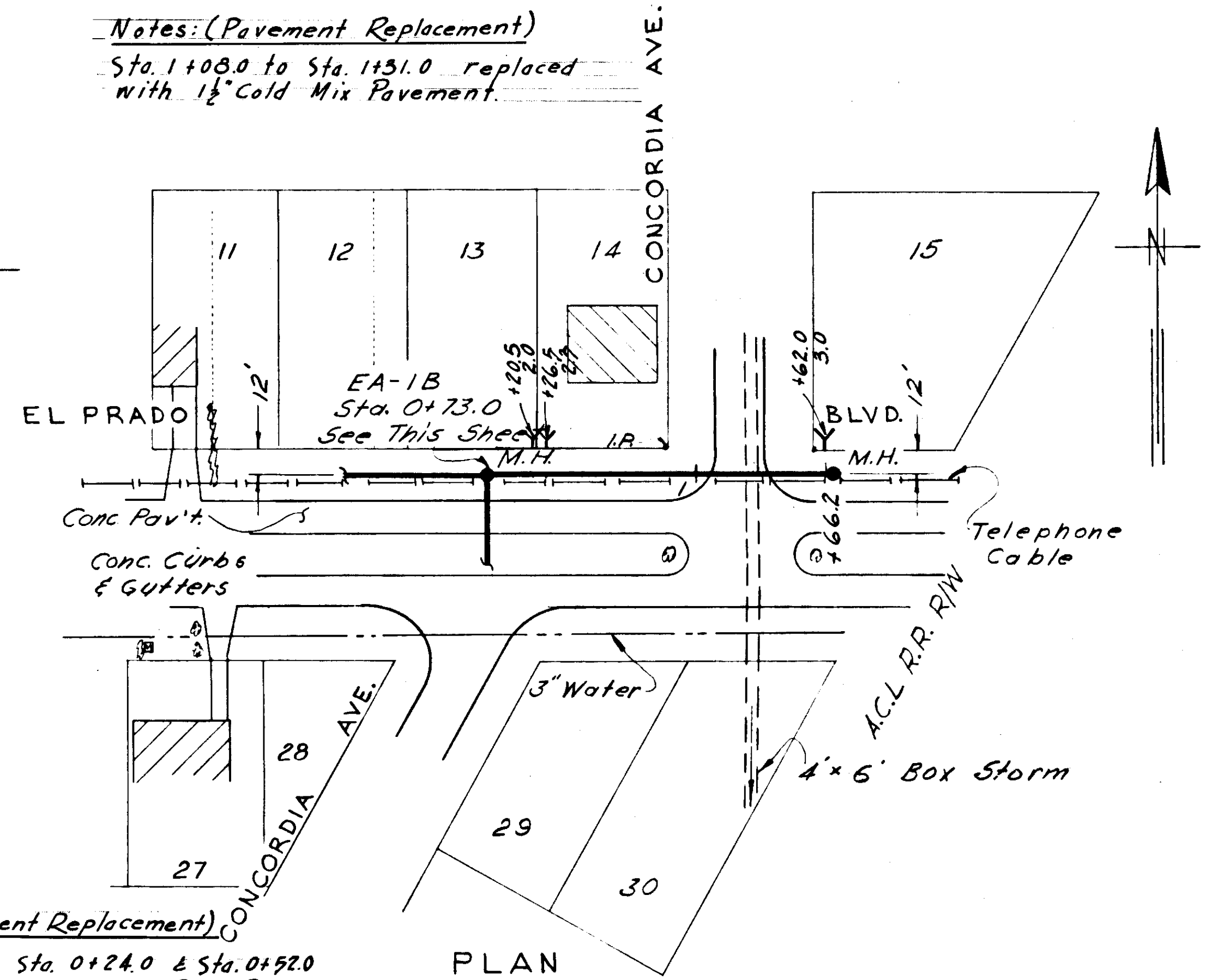
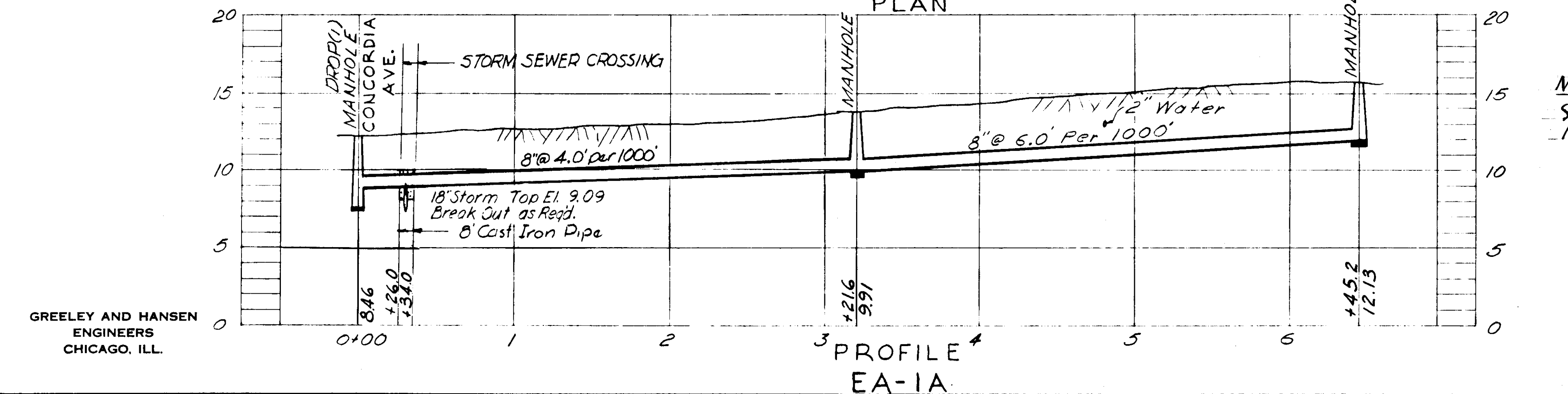
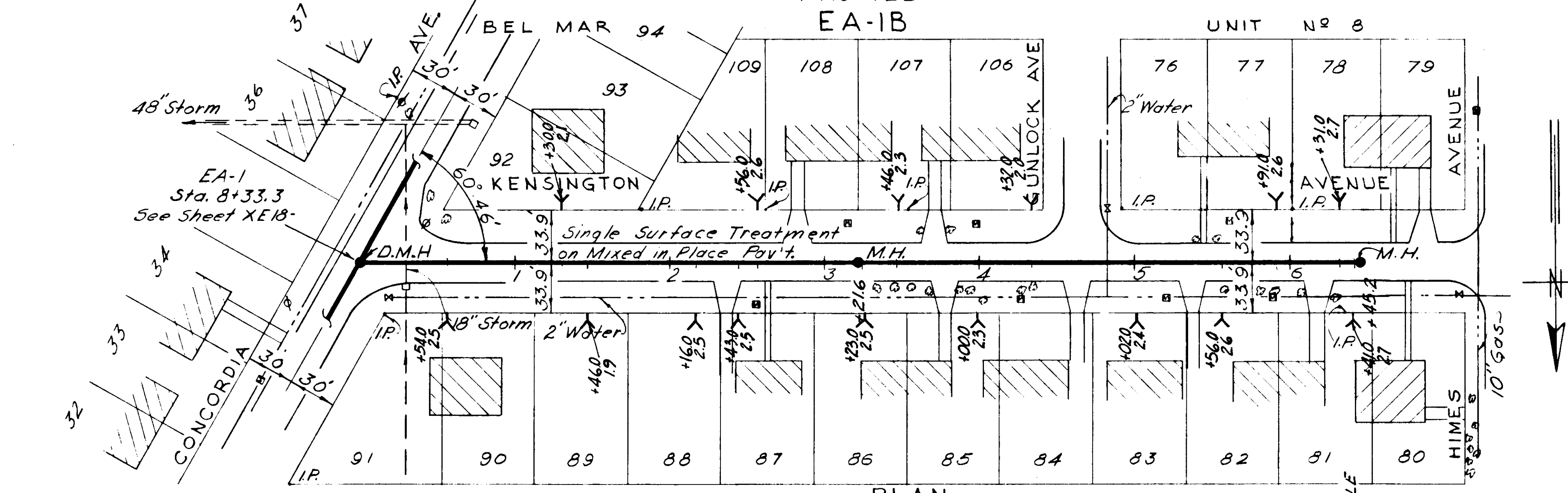
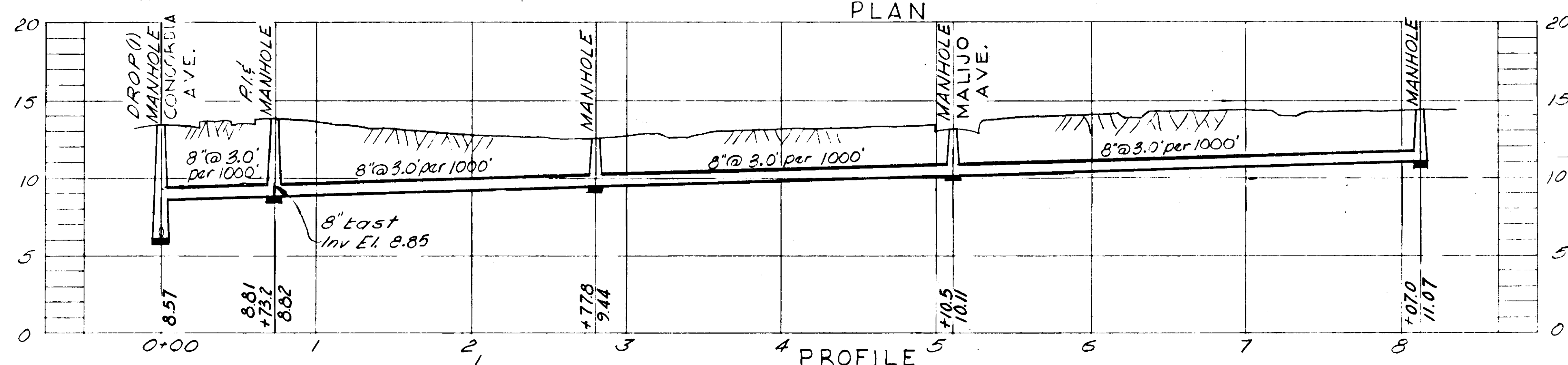
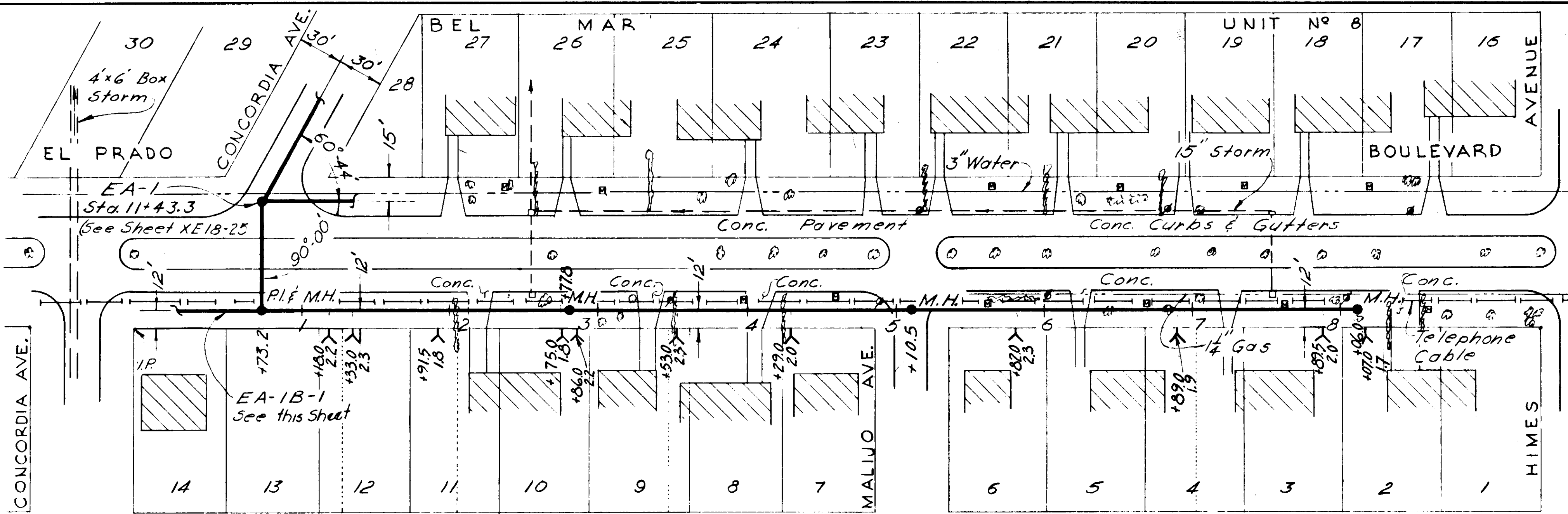
-AS-BUILT PLAN-

Revised to show actual conditions according to construction records as of

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE18		
EA-1		
DES. W.M.M. DR. W.M.M. CKD. F.F.E. DATE: JUNE 1955	SCALE 0 50 100 1" = 50'	SHEET XE18-25 of 40

As-Built 67-25



Notes: (Pavement Replacement)
Sta. 1+08.0 to Sta. 1+31.0 replaced with 1 1/2" Cold Mix Pavement.

Notes: (Pavement Replacement)
Sta. 0+06.0 to Sta. 0+24.0 & Sta. 0+52.0 to 0+70.0 replaced with Conc. Pav't. on Line EA-1B.

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

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

Notes: (Pavement Replacement)
 Sta. 2+18.0 to Sta. 6+45.2 replaced with 1 1/2" Cold Mix Pavement.

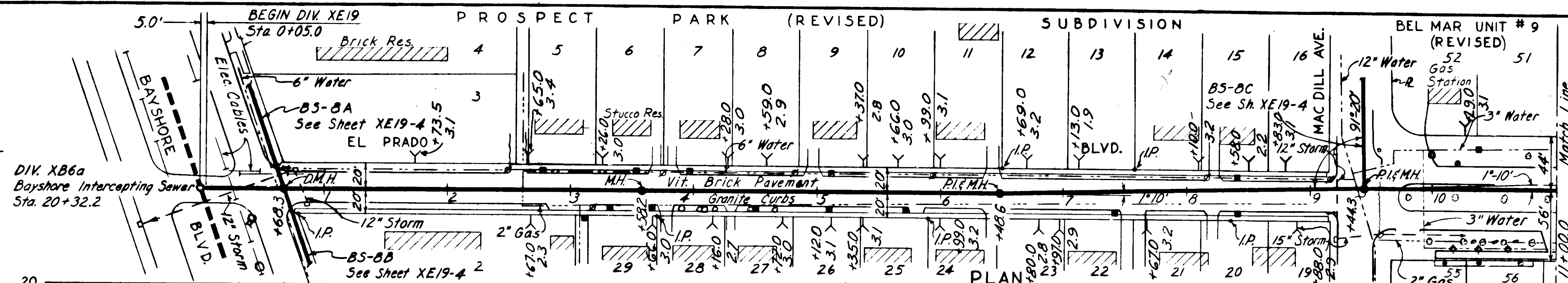
- AS-BUILT PLAN -

Revised to show actual conditions according to construction record as of (A.F.L. 10-29-56)

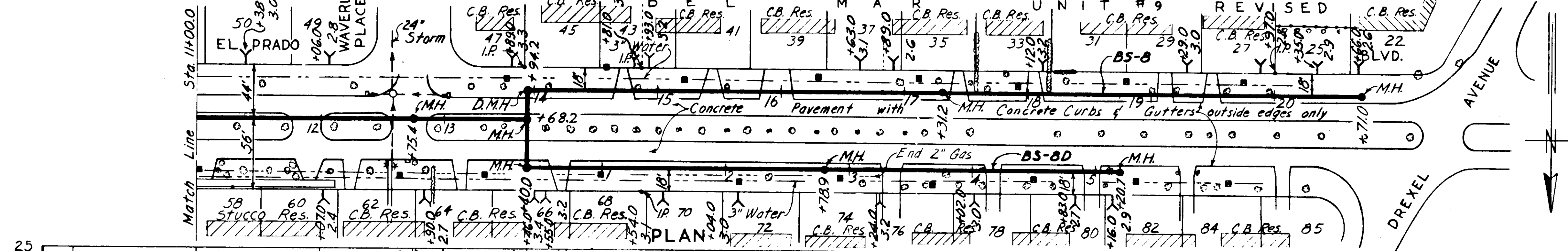
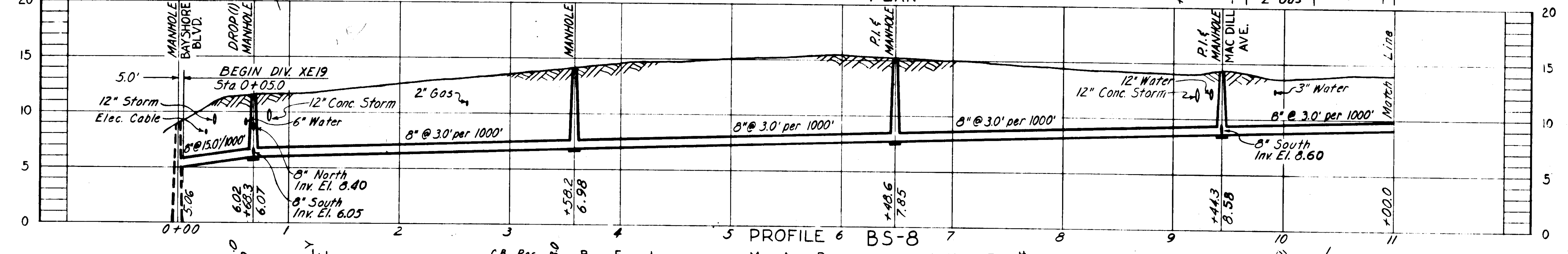
GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE18		
EA-1A, EA-1B & EA-1B-1		
DES. W.M.M. DR. W.M.M. CKD. R.E.F. DATE: JUNE 1955	SCALE 0 50 100 1" = 50'	SHEET XE18-26 OF 40

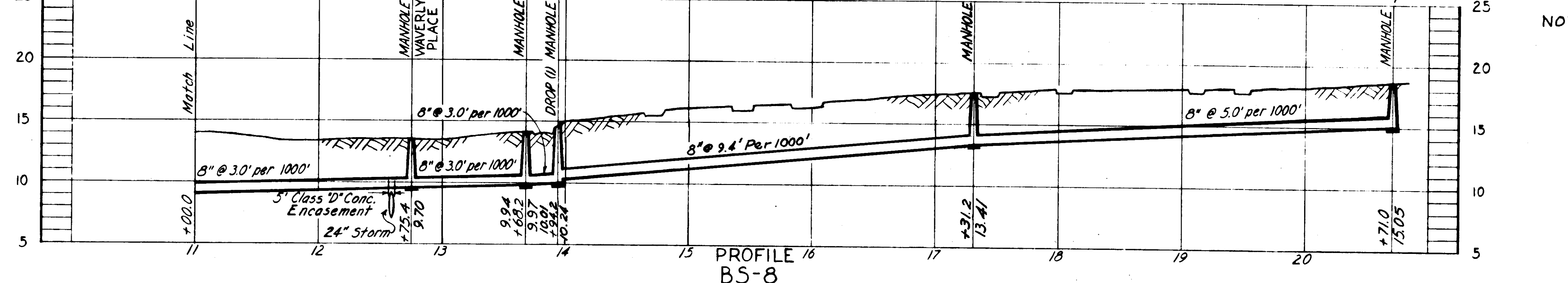
As-Built 67-26



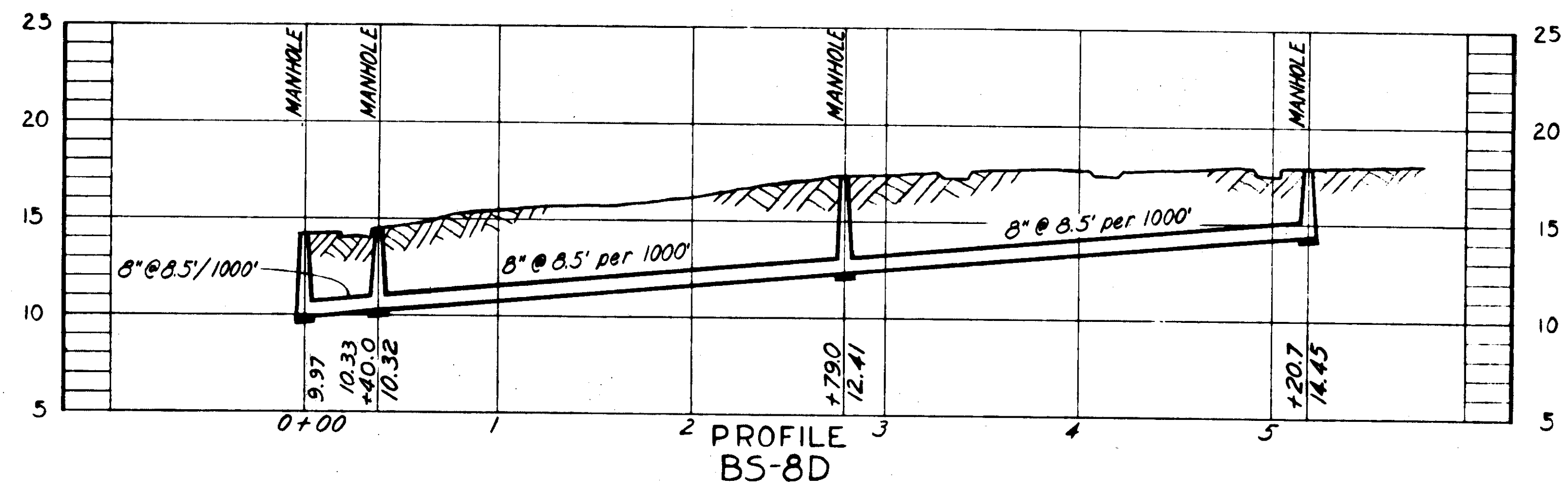
NOTE: (Pavement Replacement) BS-8
 Sta. 0+00 to Sta. 0+60 Replaced with 1 1/2\"/>



NOTE: (Pavement Replacement) BS-8D
 Sta. 0+16 to Sta. 0+29 Replaced with 1 1/2\"/>



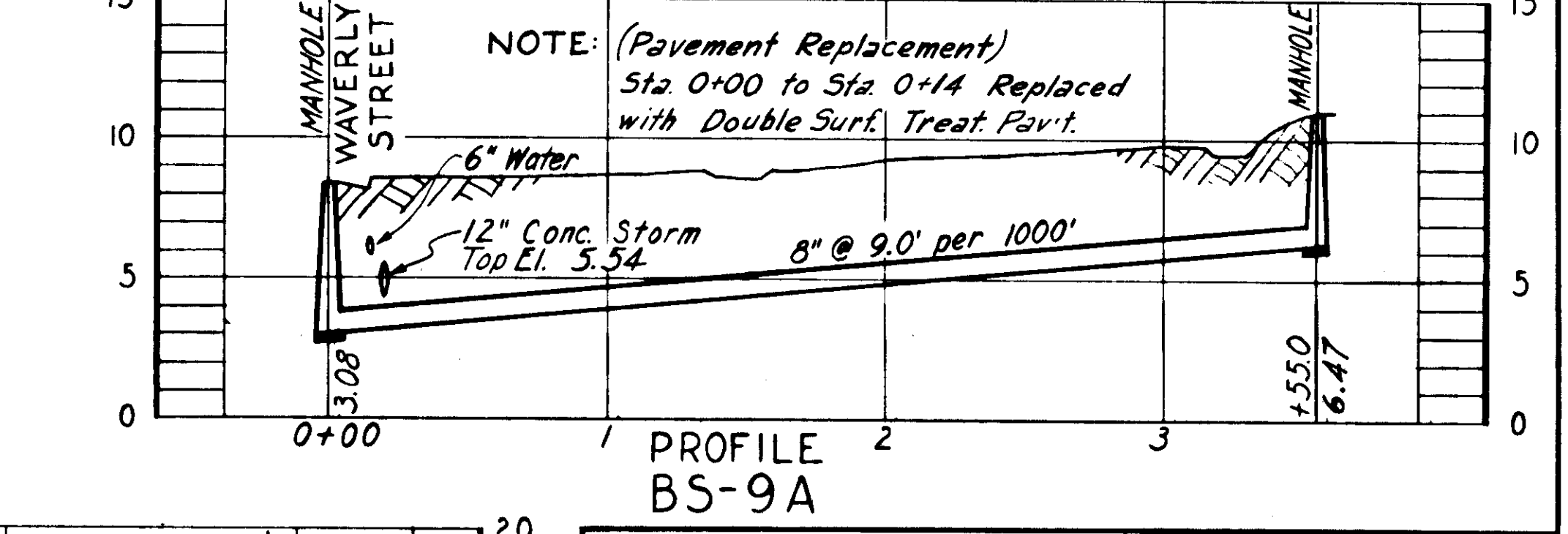
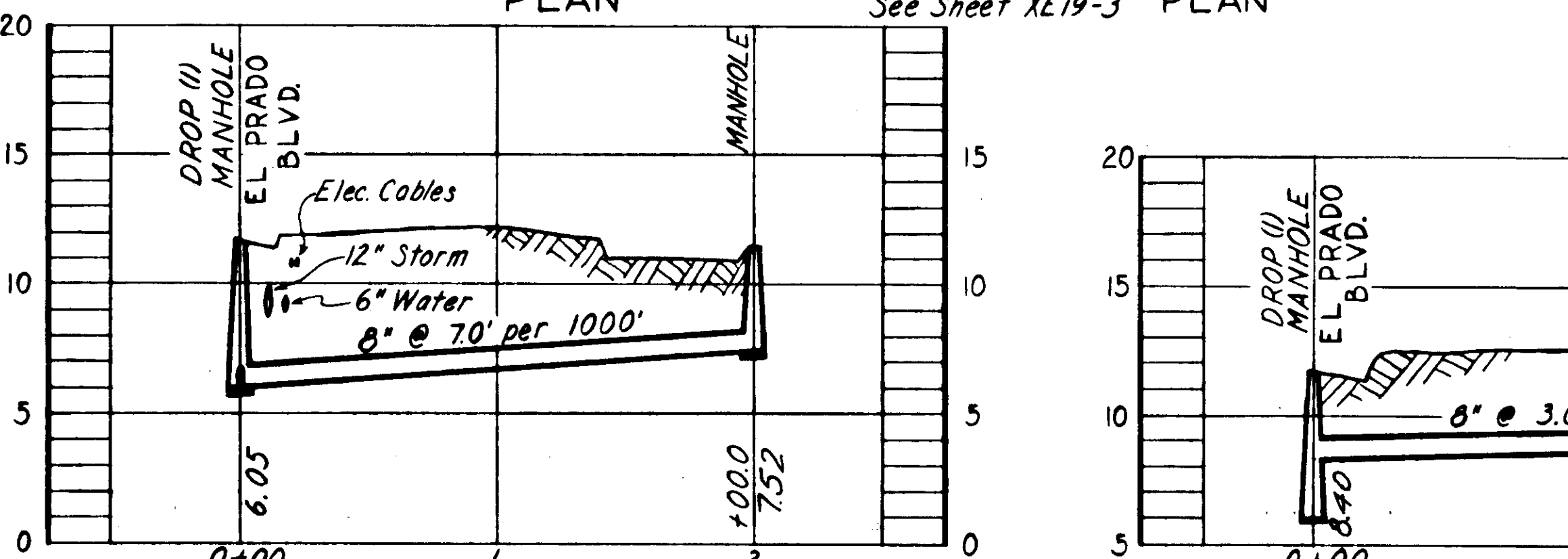
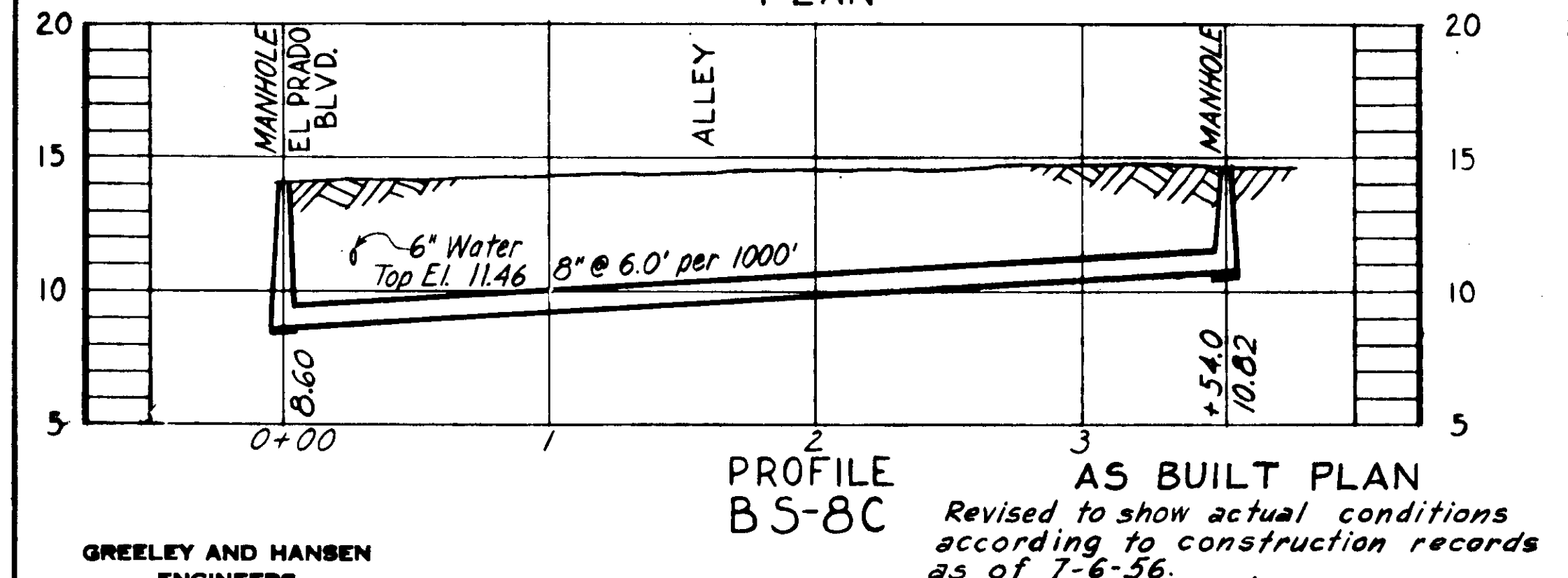
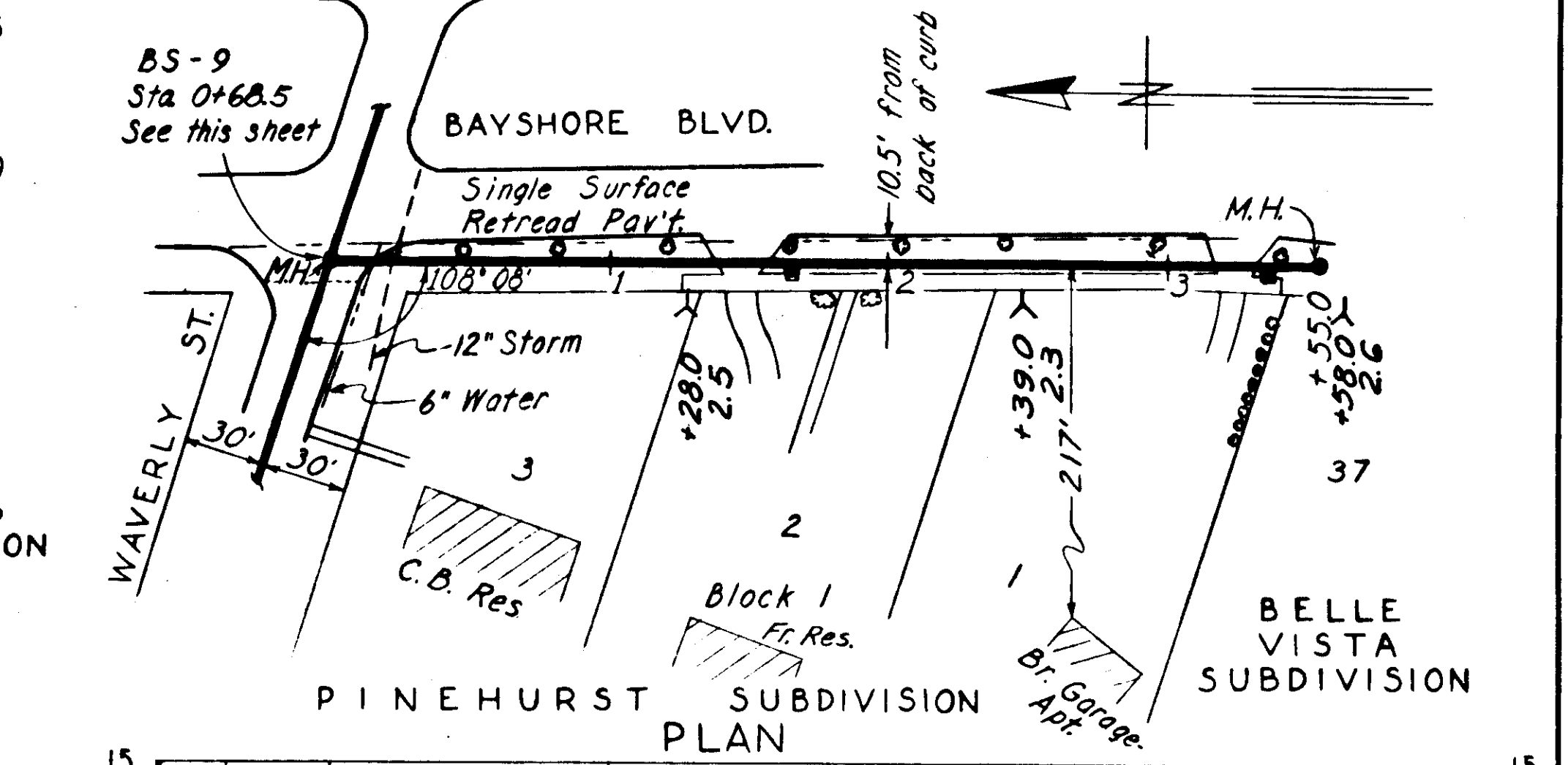
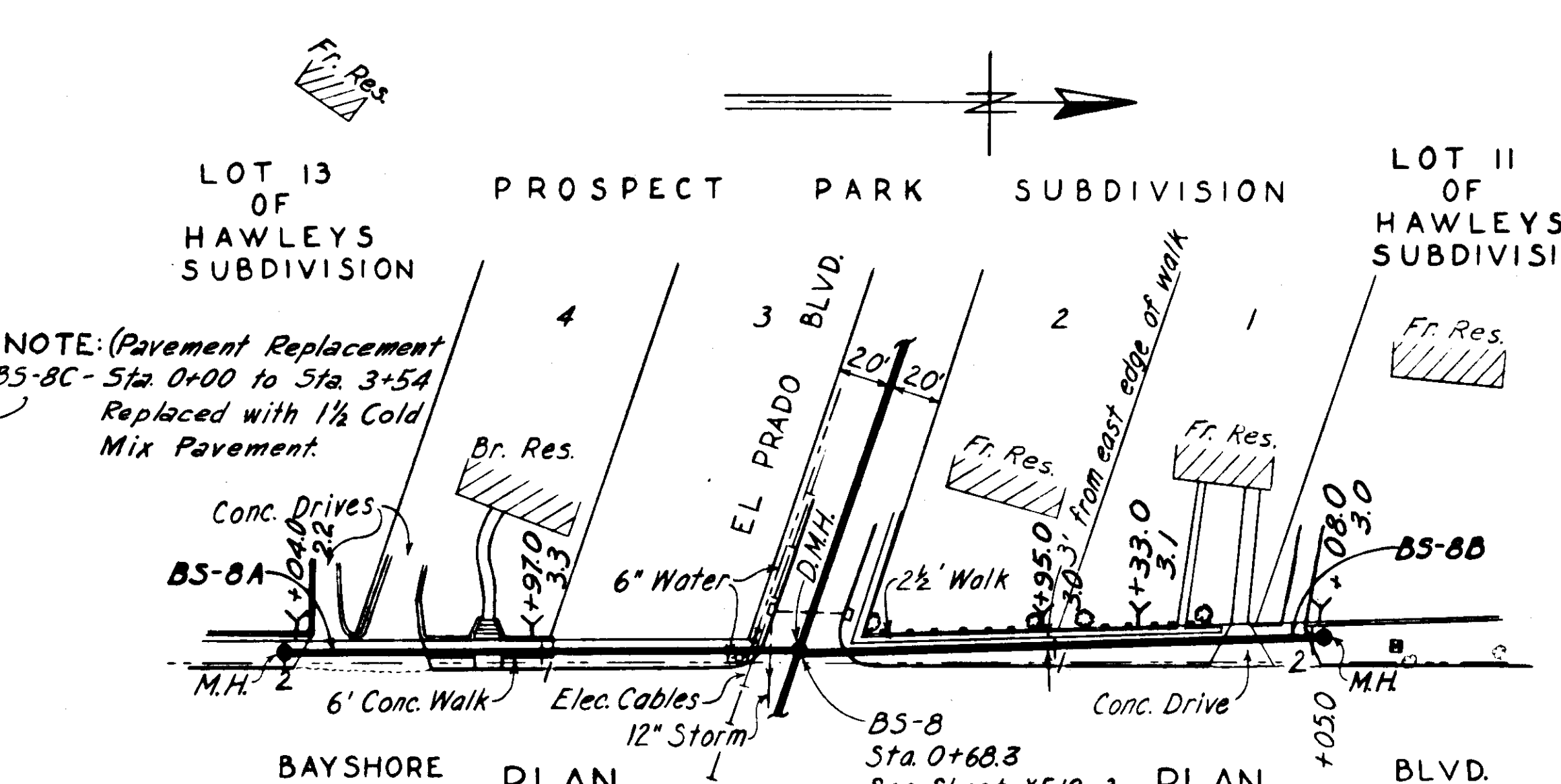
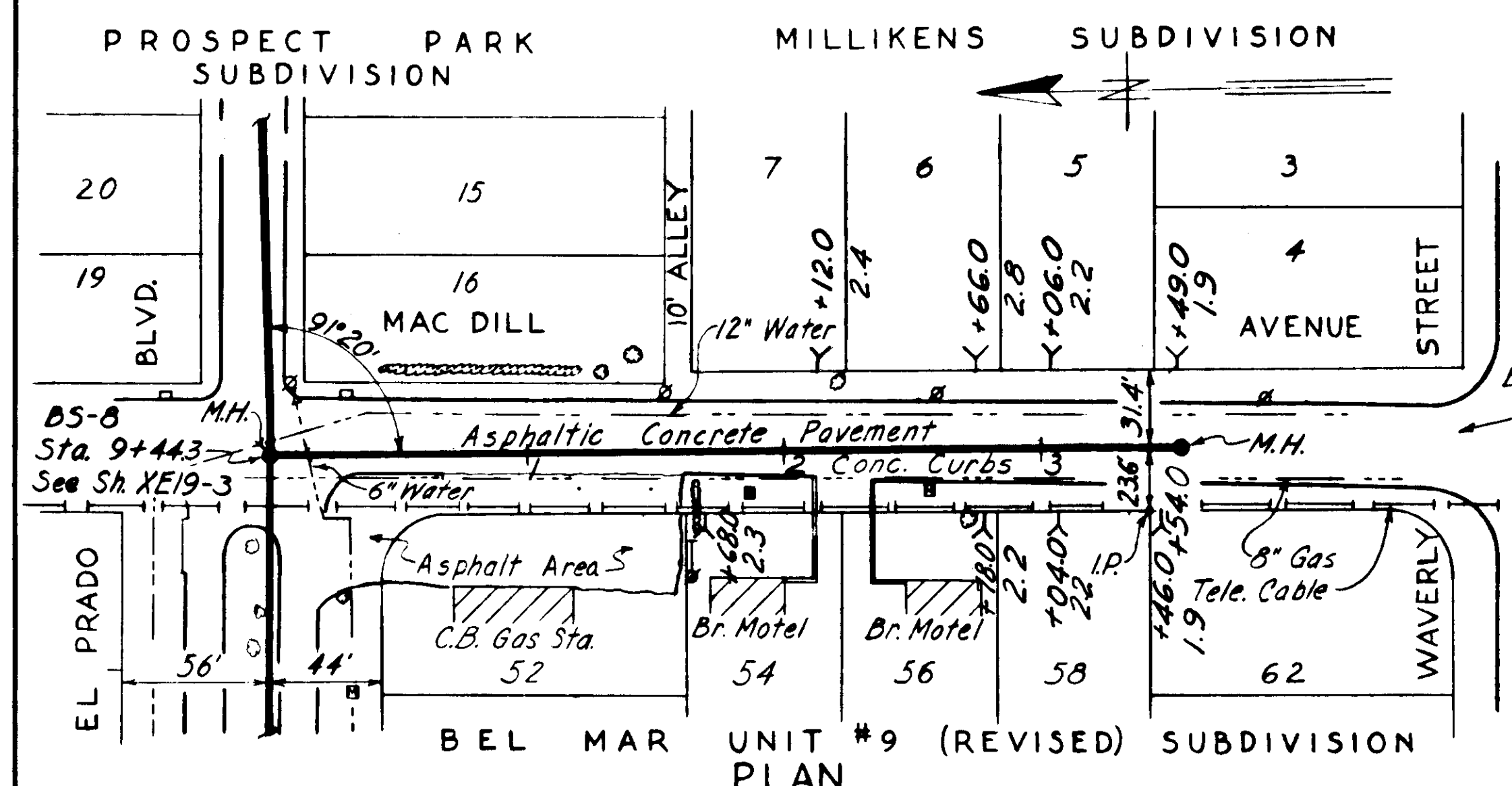
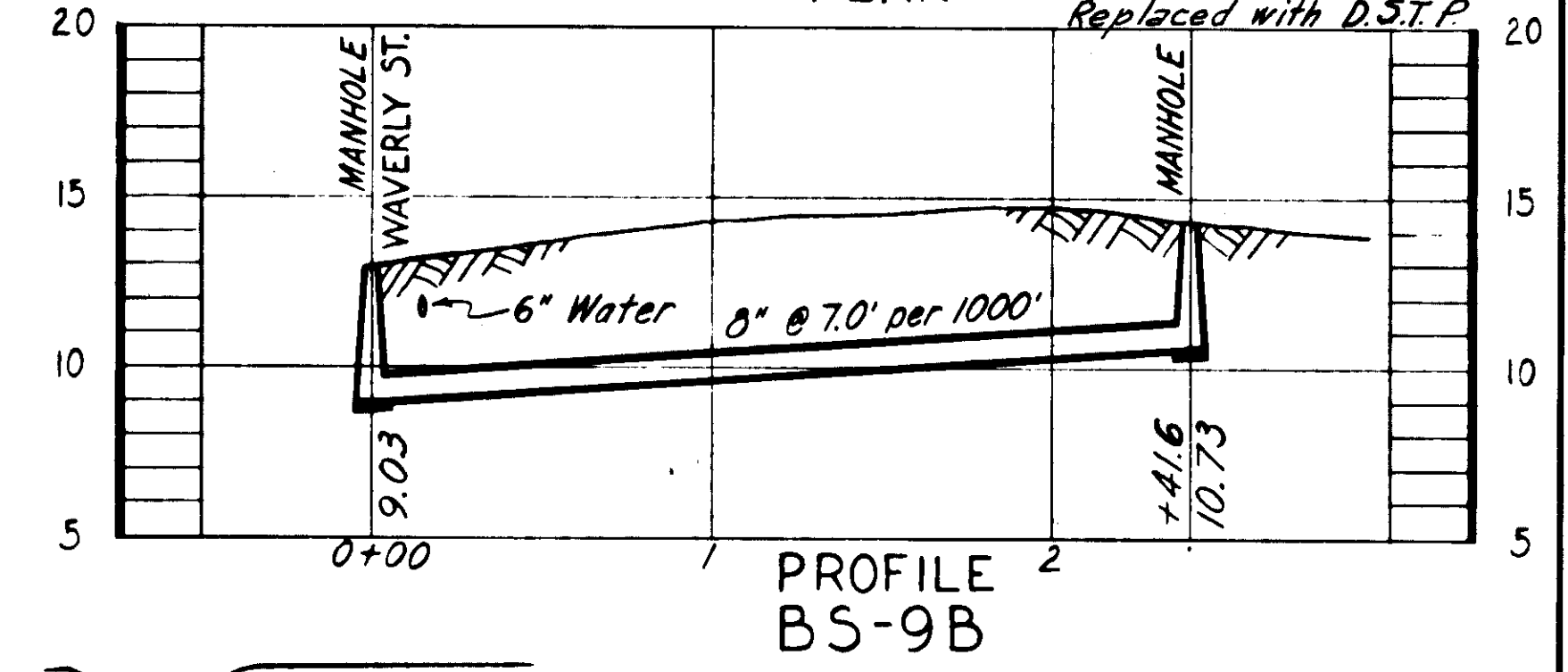
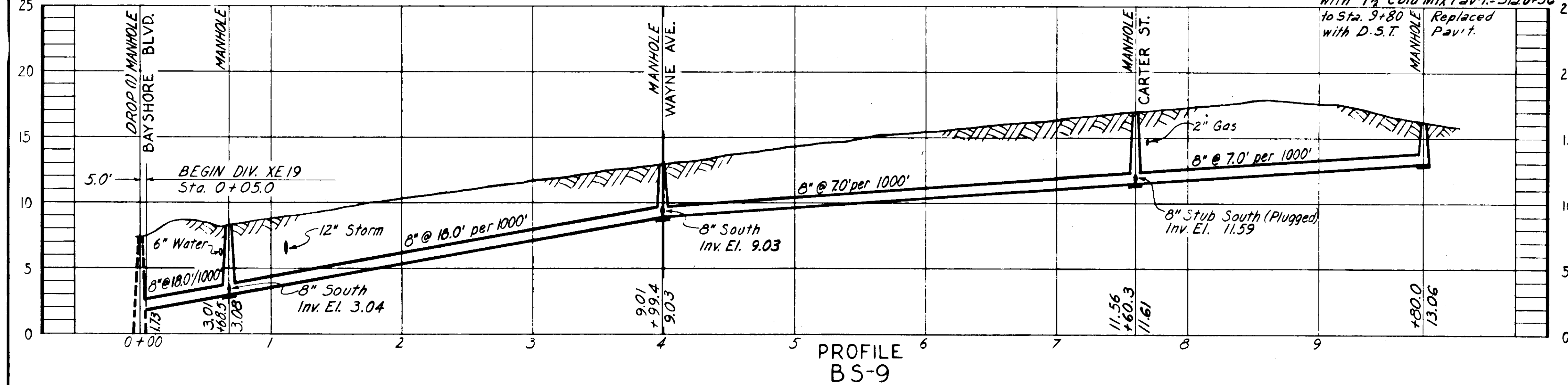
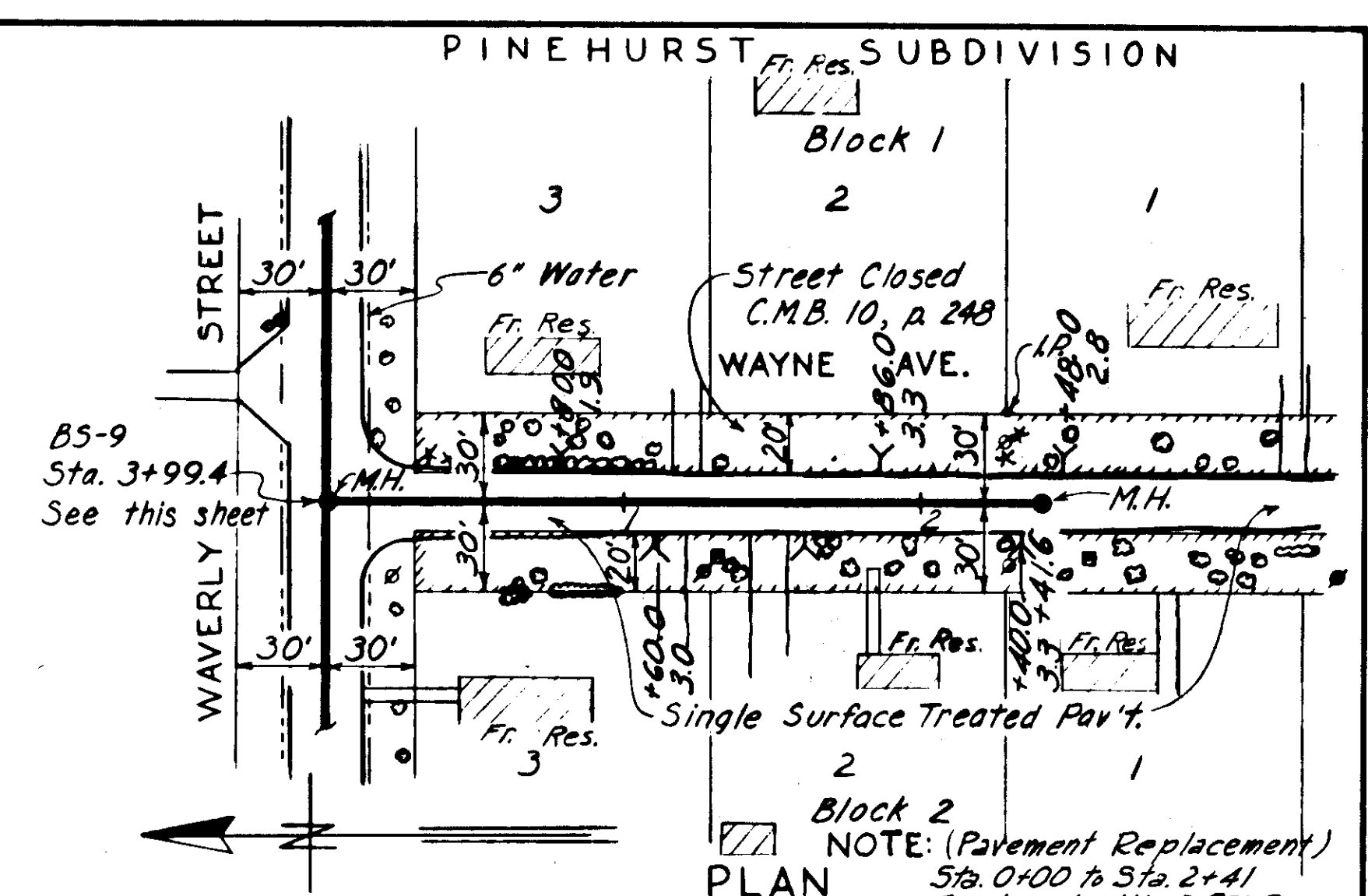
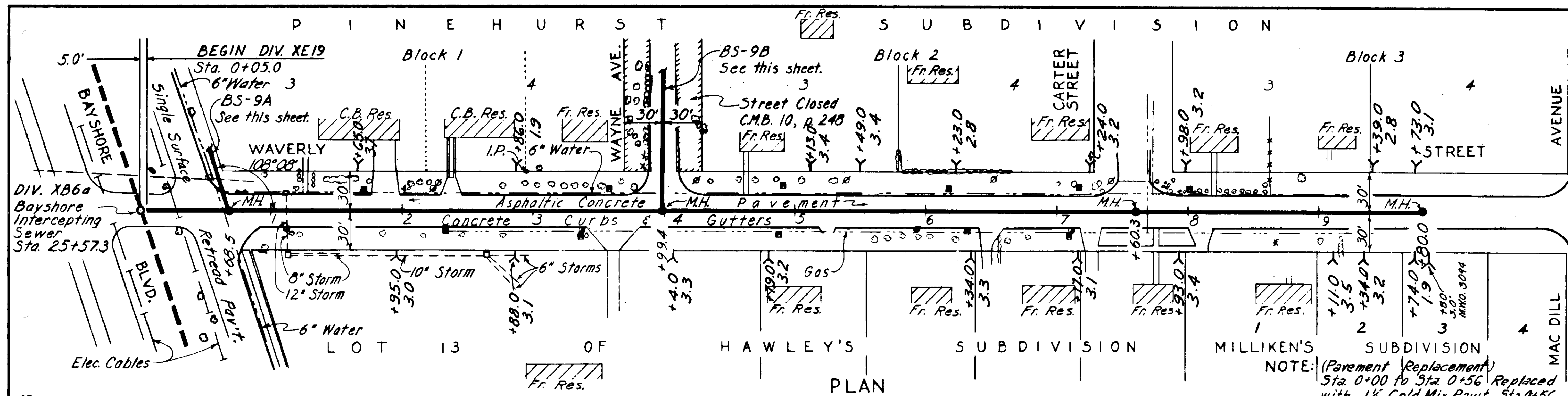
AS BUILT PLAN
 Revised to show actual conditions according to construction records as of 7-2-56
 (J.M.R. 12-7-56)



GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE 19		
BS-8 & BS-8D		
DES. E.E.S. DR. G.A.O. CHKD. F.F.E. DATE: JUNE 1955	SCALE 1" = 50'	SHEET XE19-3 OF 28

As-Built 68-3



GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

PROFILE BS-8C
AS BUILT PLAN
Revised to show actual conditions
according to construction records
as of 7-6-56. (J.M.R. 12-12-56)

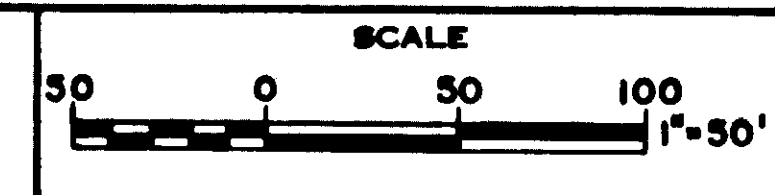
PROFILE BS-8A

PROFILE BS-8B

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE19

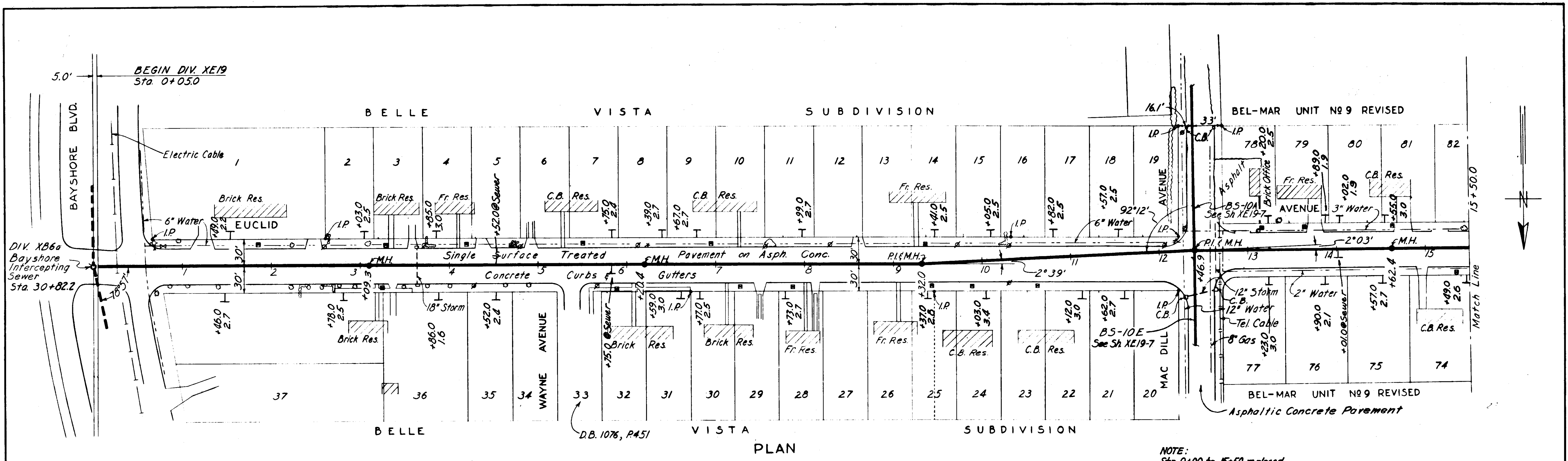
BS-8A, BS-8B, BS-8C, BS-9, BS-9A, & BS-9B

DES. E.E.S.
DR. S.A.O.
CHK. F.F.E.
DATE: JUNE 1955

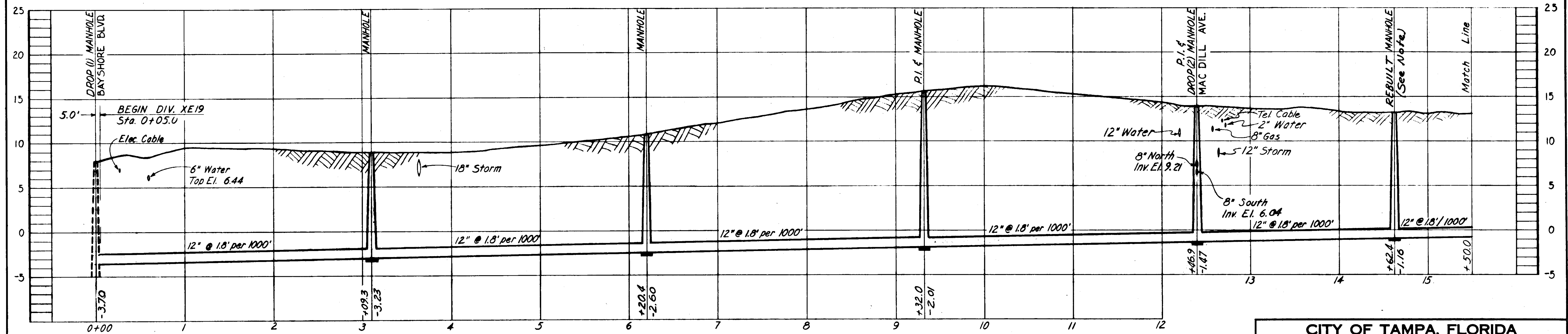


SHEET
XE19-4
OF 28

As-Built 68-4



NOTE:
Sta. 0+00 to 15+50 replaced
with 1 1/2" Cold Mix Pavt.



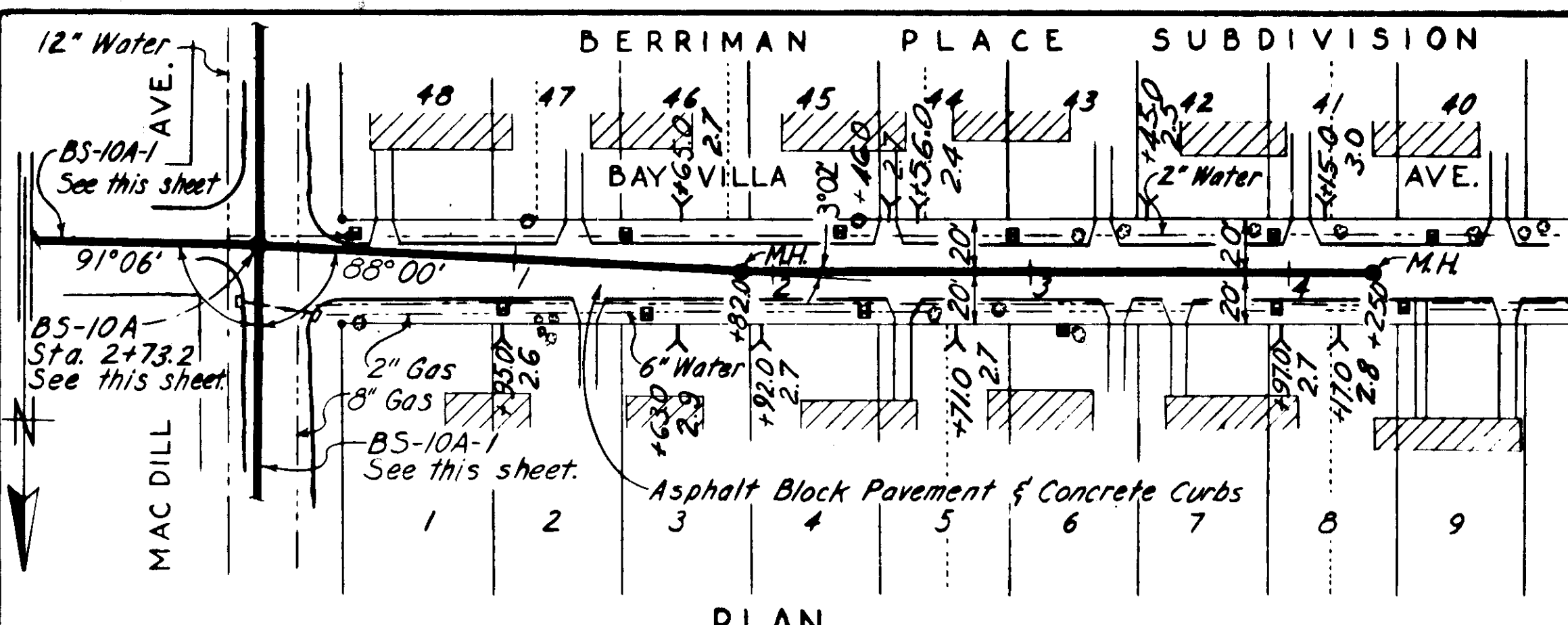
PROFILE
BS-10
Line rebuilt - for details
see Sh. XE 19-24

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE19		
BS-10 STA. 0+05.0 TO STA. 15+50		
DES. E.E.S. DR. G.A.O. CKD. F.F.E. DATE: JUNE 1955	SCALE 1" = 50' 0 50 100	SHEET XE19-5 OF 25

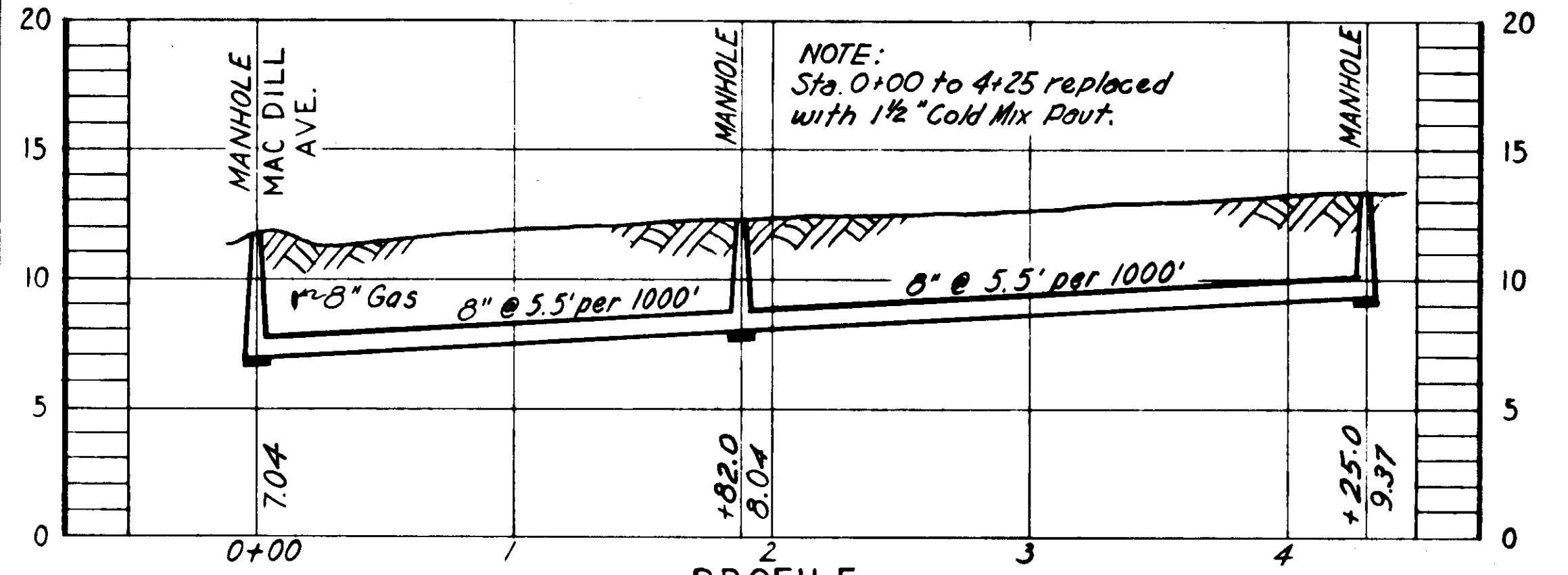
AS-BUILT PLAN
Revised to show actual conditions
according to construction records
as of November 1956 - R.V.J. 12-19-36

GREGLEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

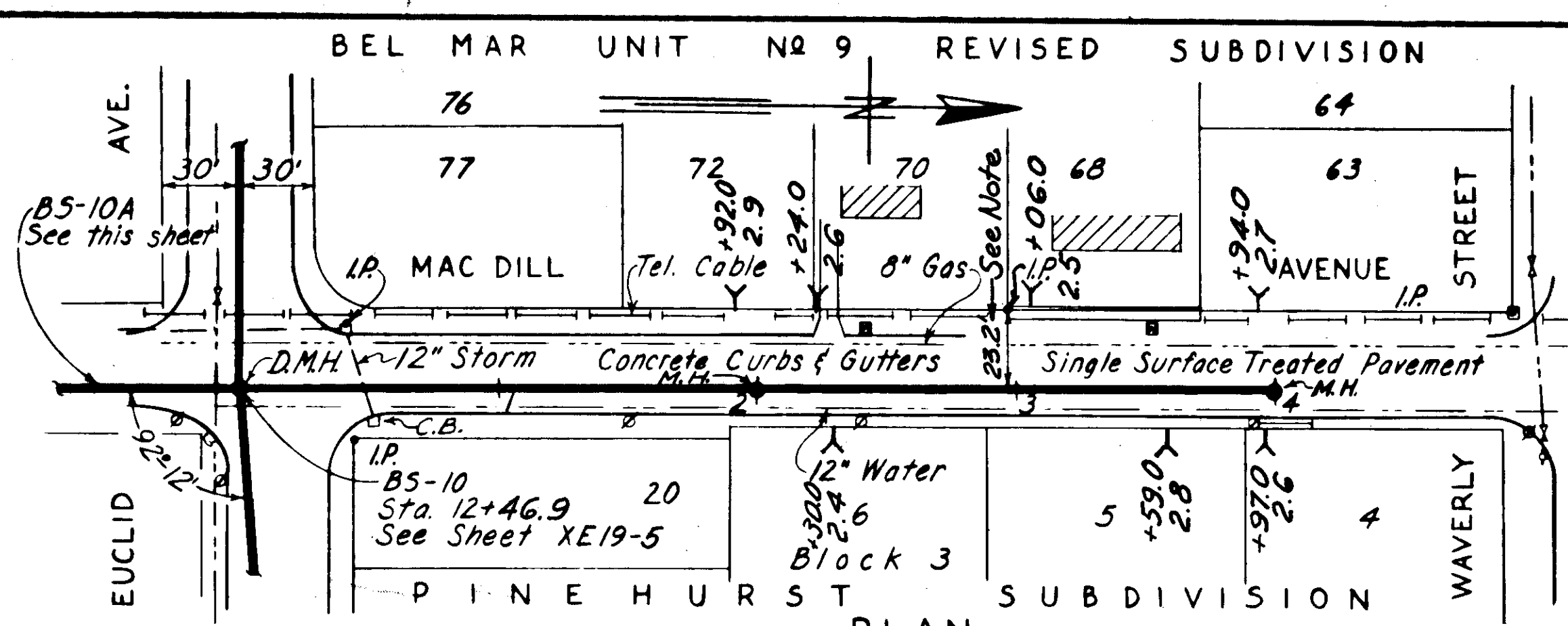
As-Built 68-5



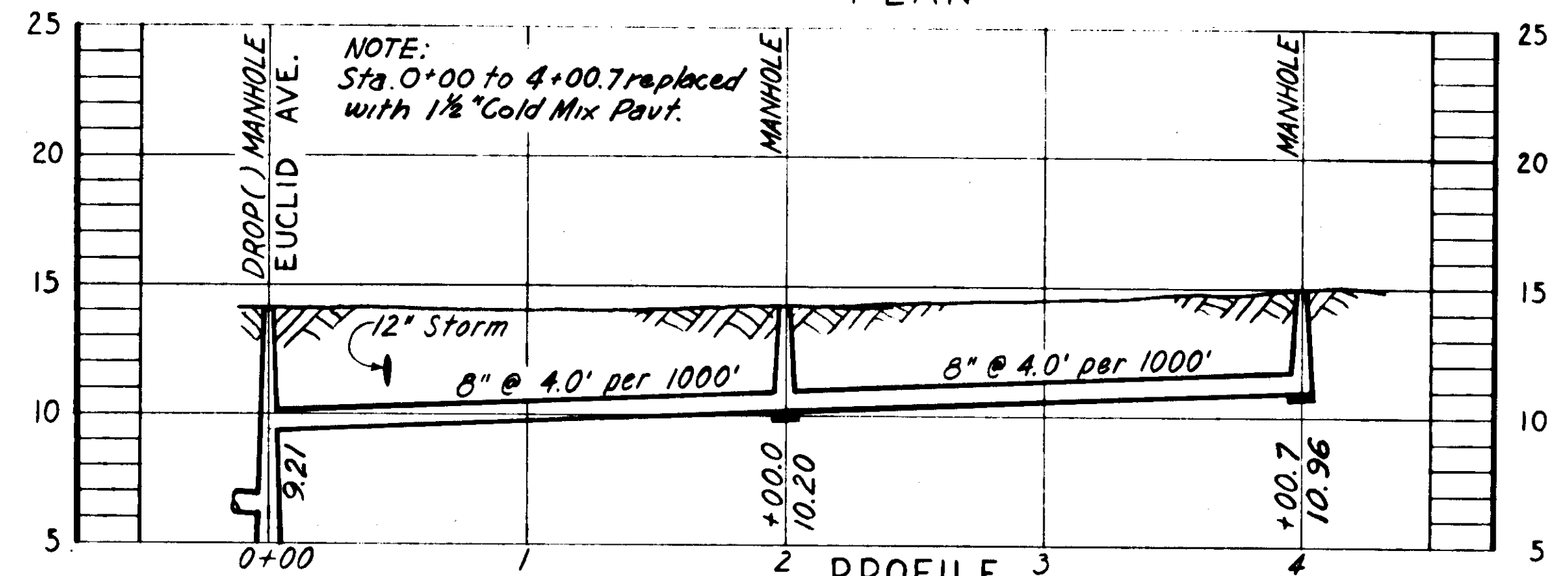
PLAN



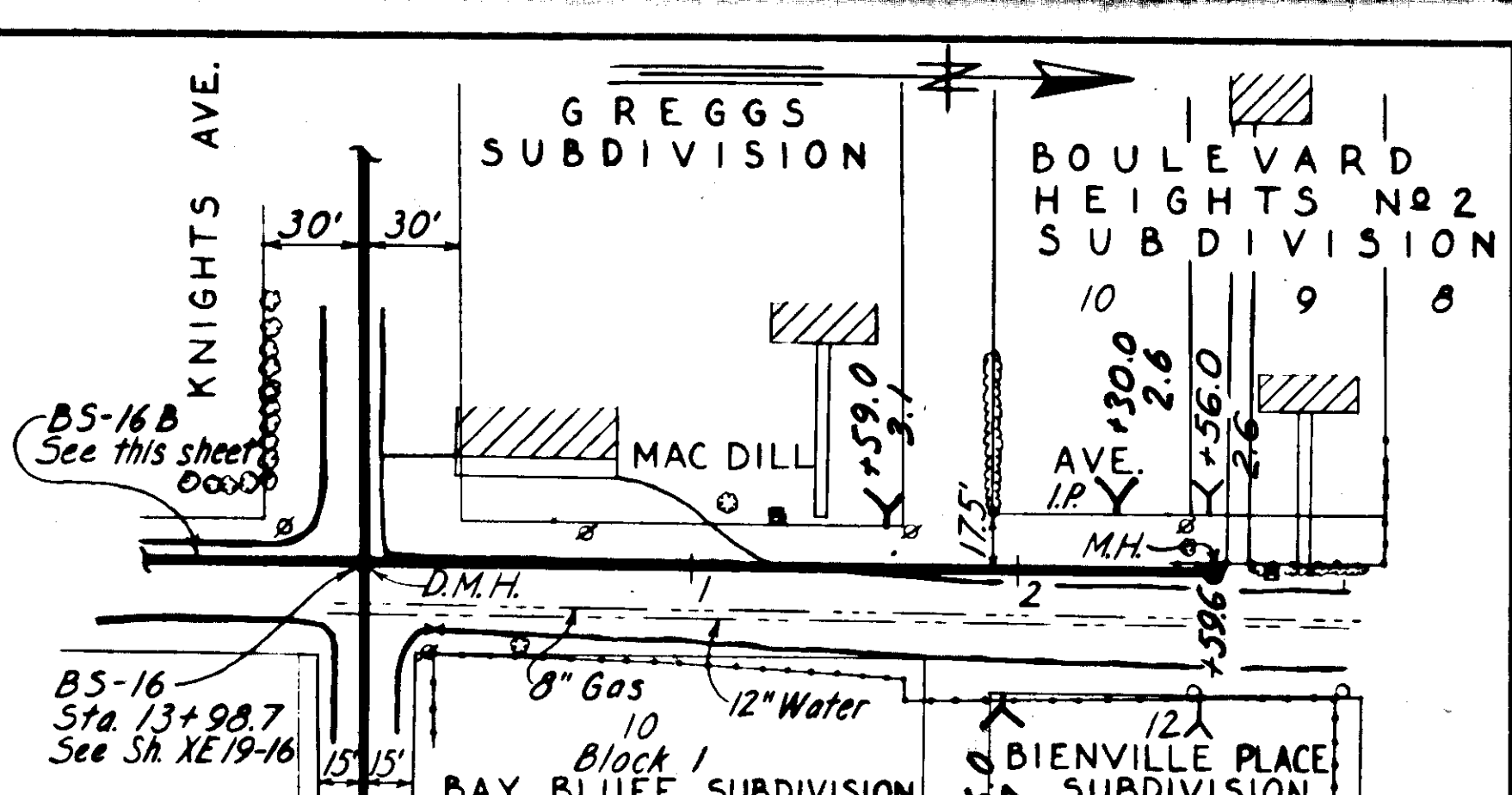
PROFILE BS-10A-2



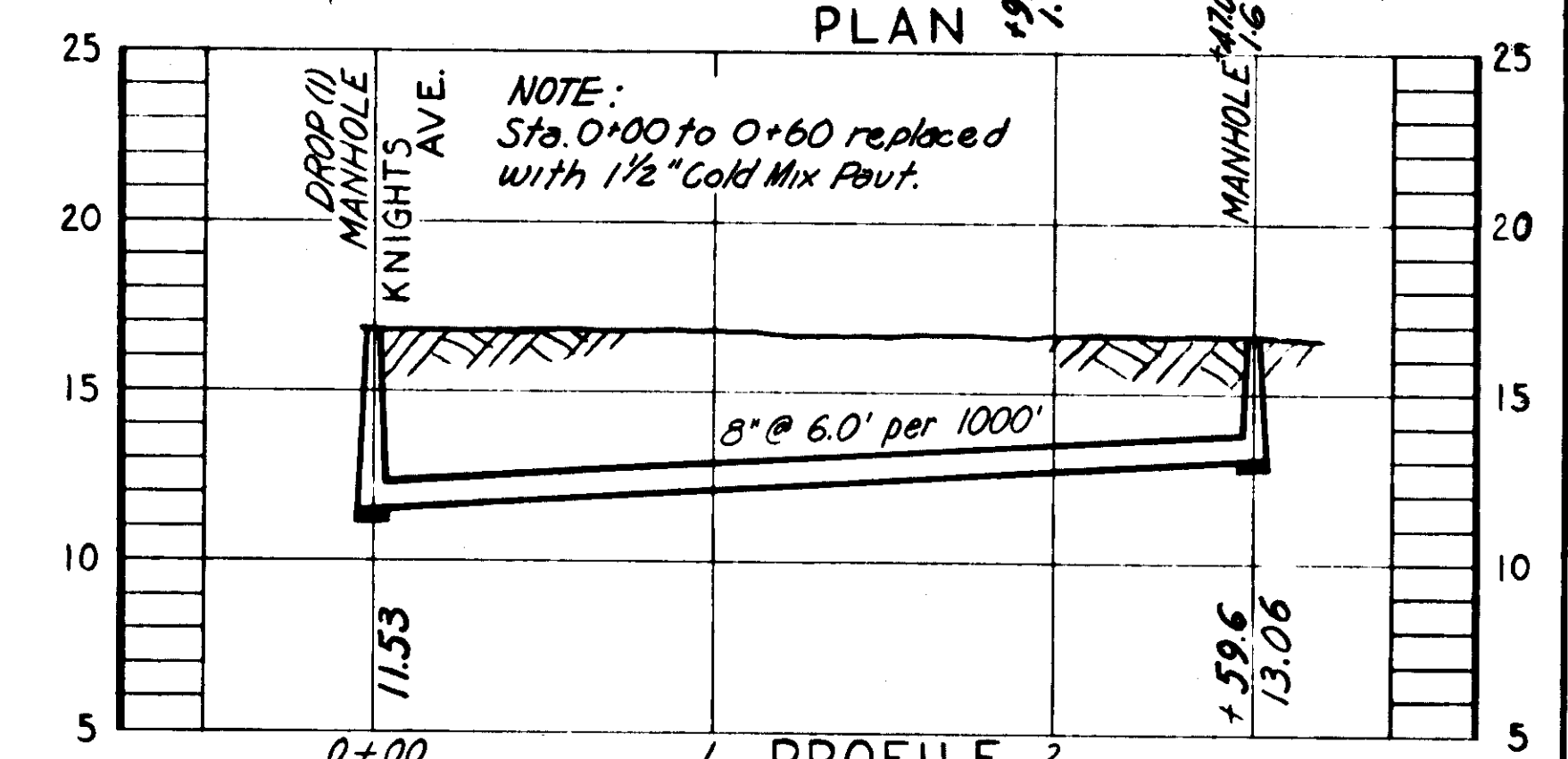
PLAN



PROFILE BS-10E

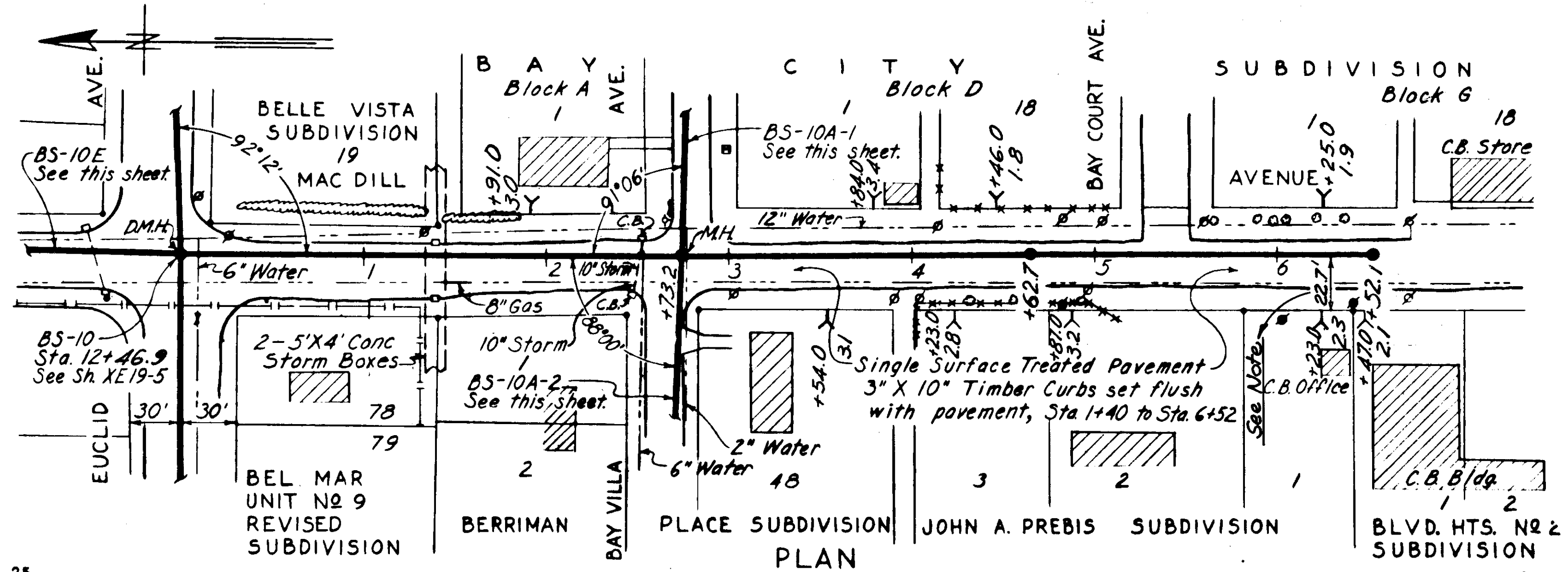


PLAN

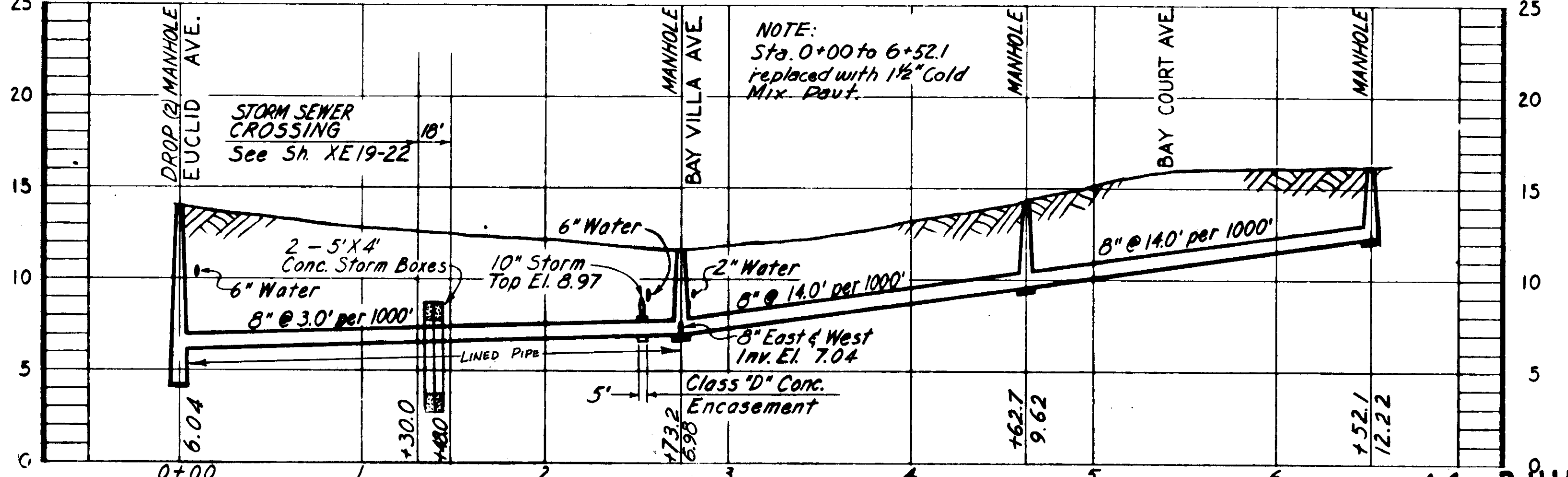


PROFILE BS-16A

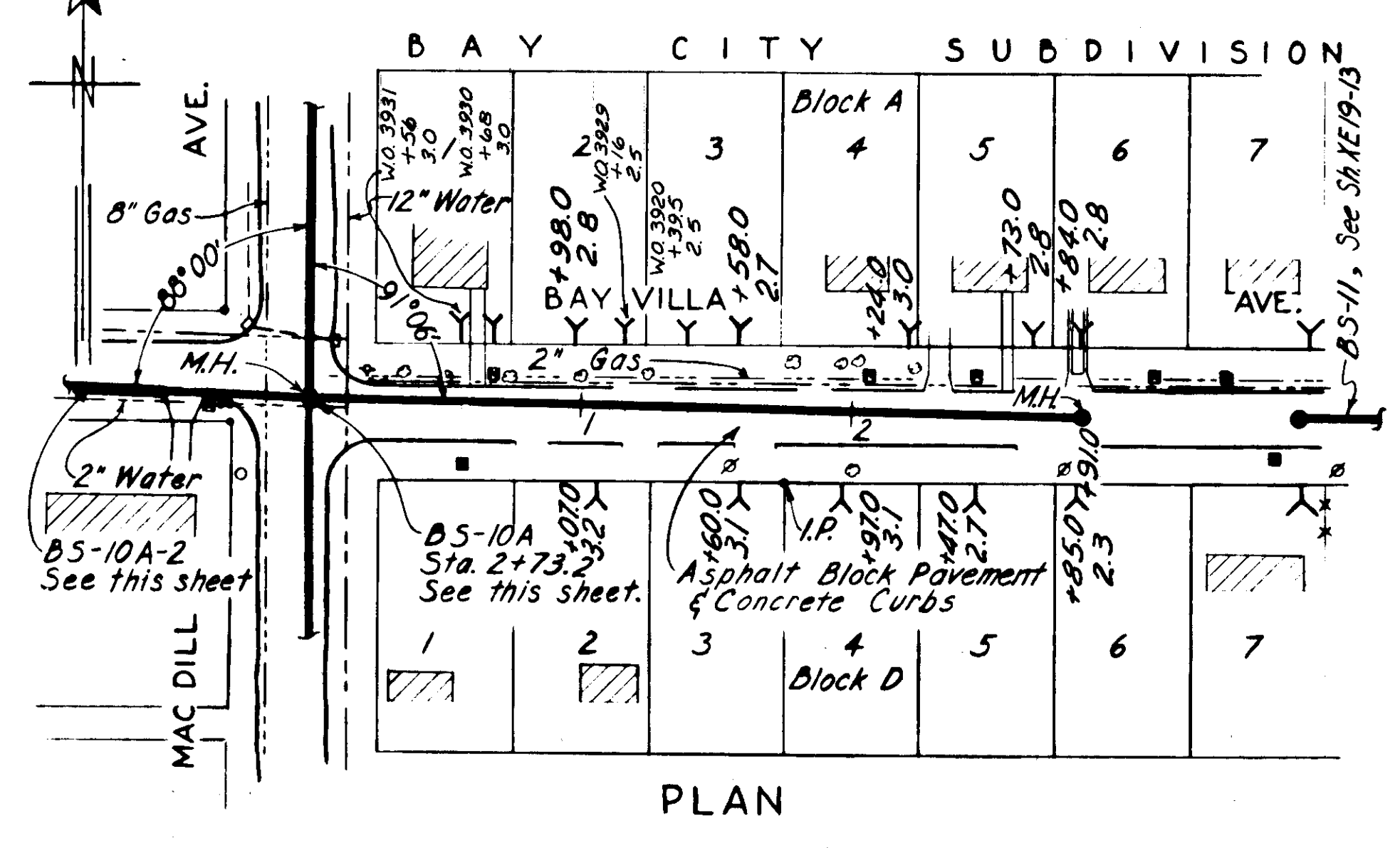
NOTE:-
 Lines BS-10A & BS-10E moved west
 per XE19-SD1 (Not to scale)



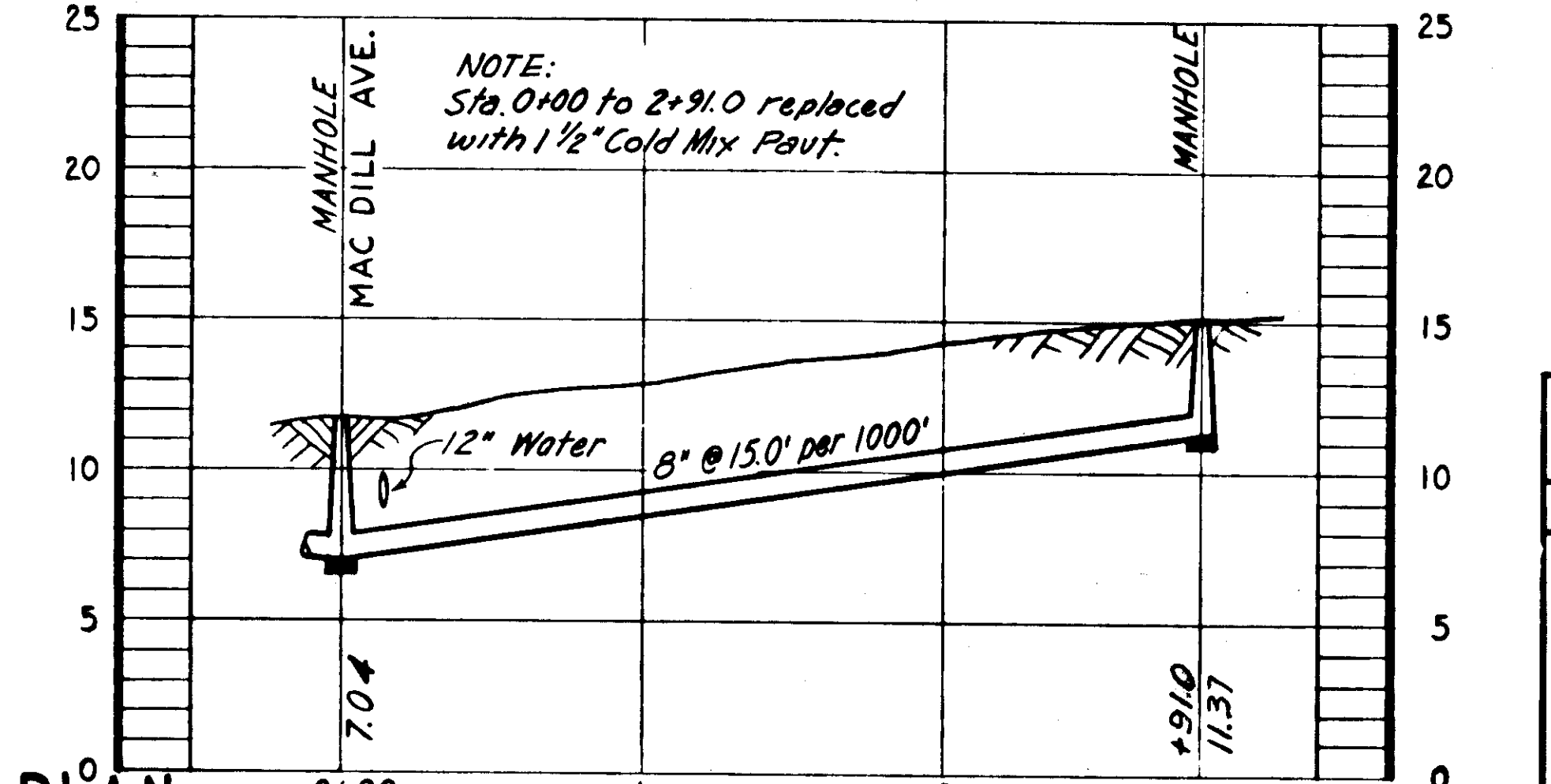
PLAN



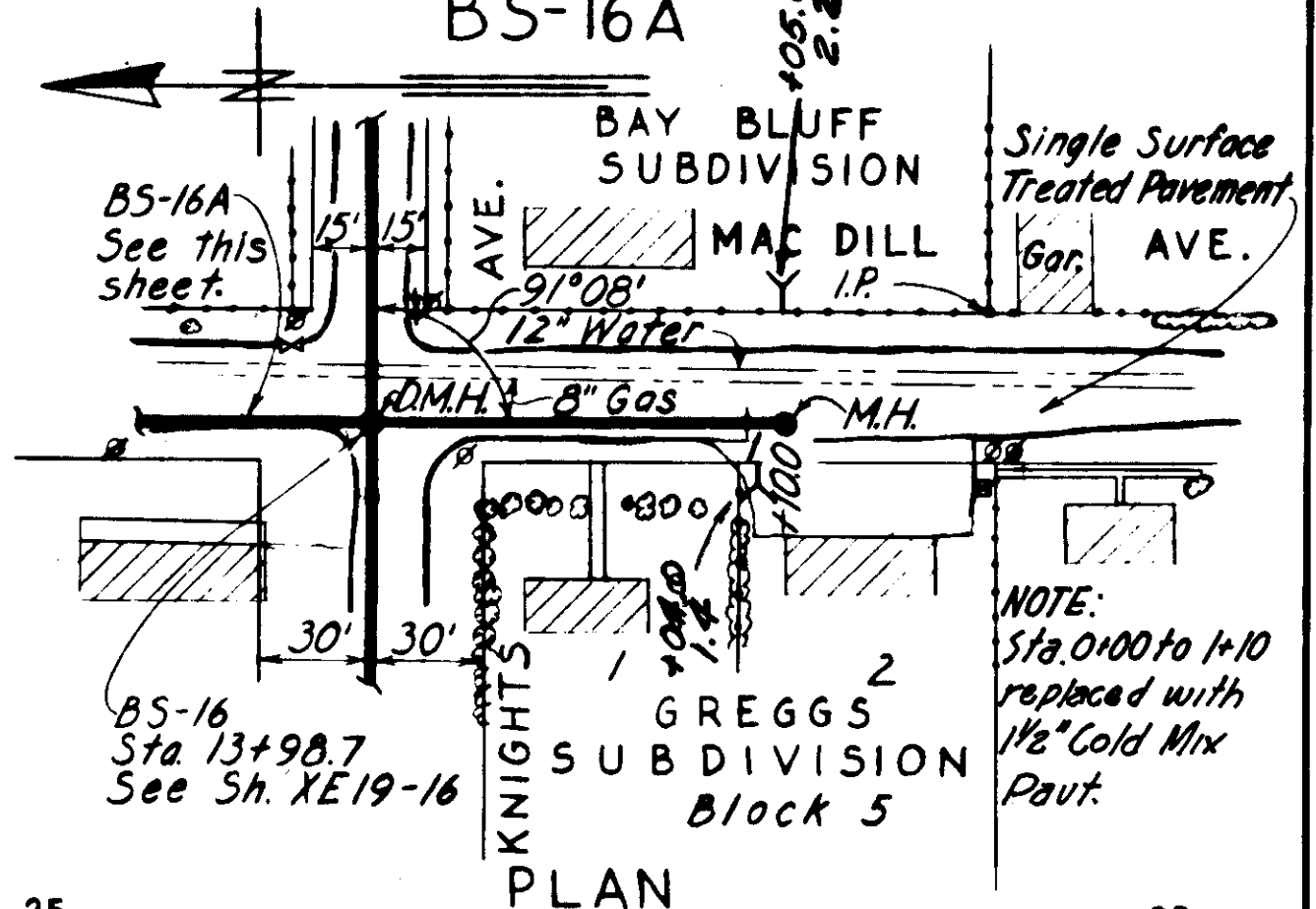
PROFILE BS-10A



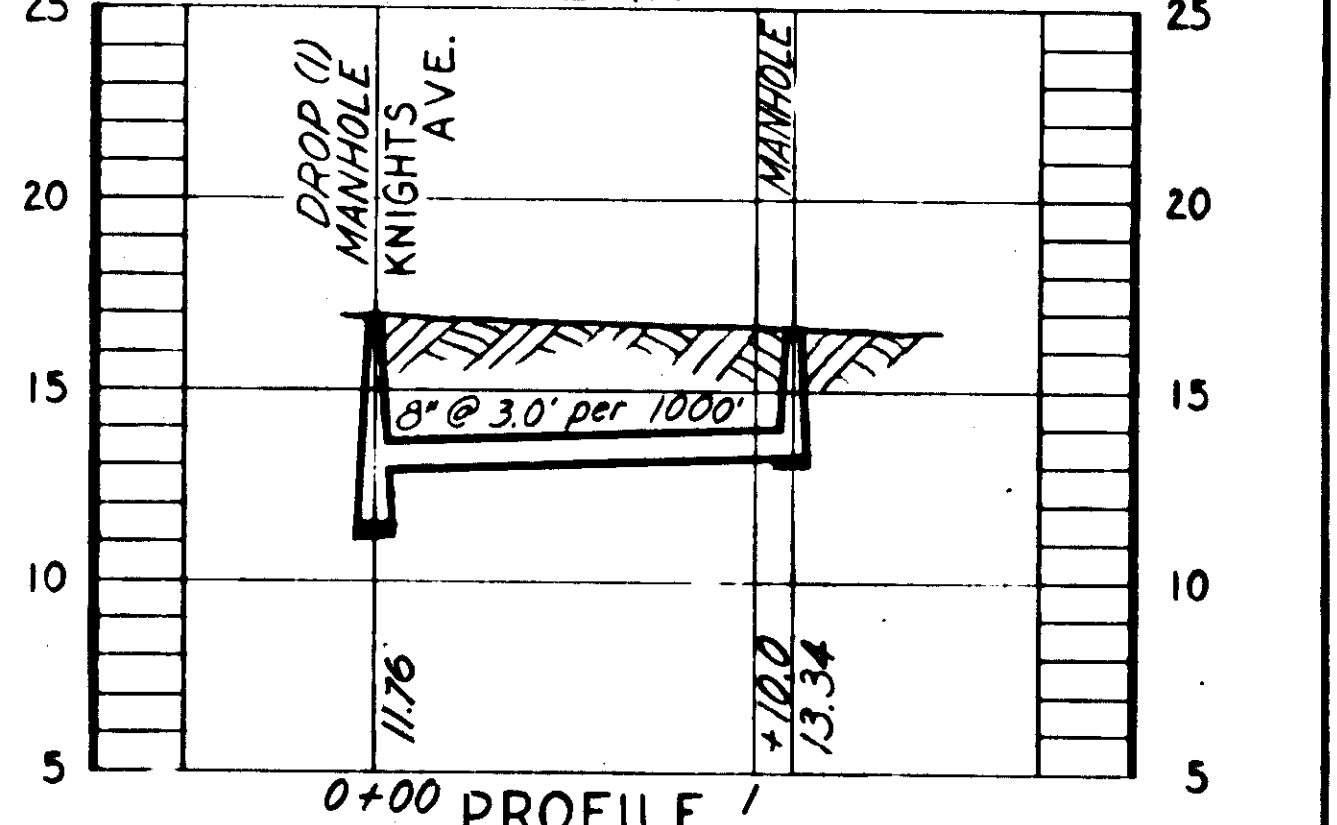
PLAN



PROFILE BS-10A-1



PLAN



PROFILE BS-16B

-AS-BUILT PLAN-

Revised to show actual conditions according
 to construction record as of Nov. 15, 1956.
 (J.M.R. 12-18-56)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE19

BS-10A, BS-10A-1, BS-10A-2, BS-10E, BS-16A & BS-16B
 This Dwg. revised in accordance with XE19-SD1

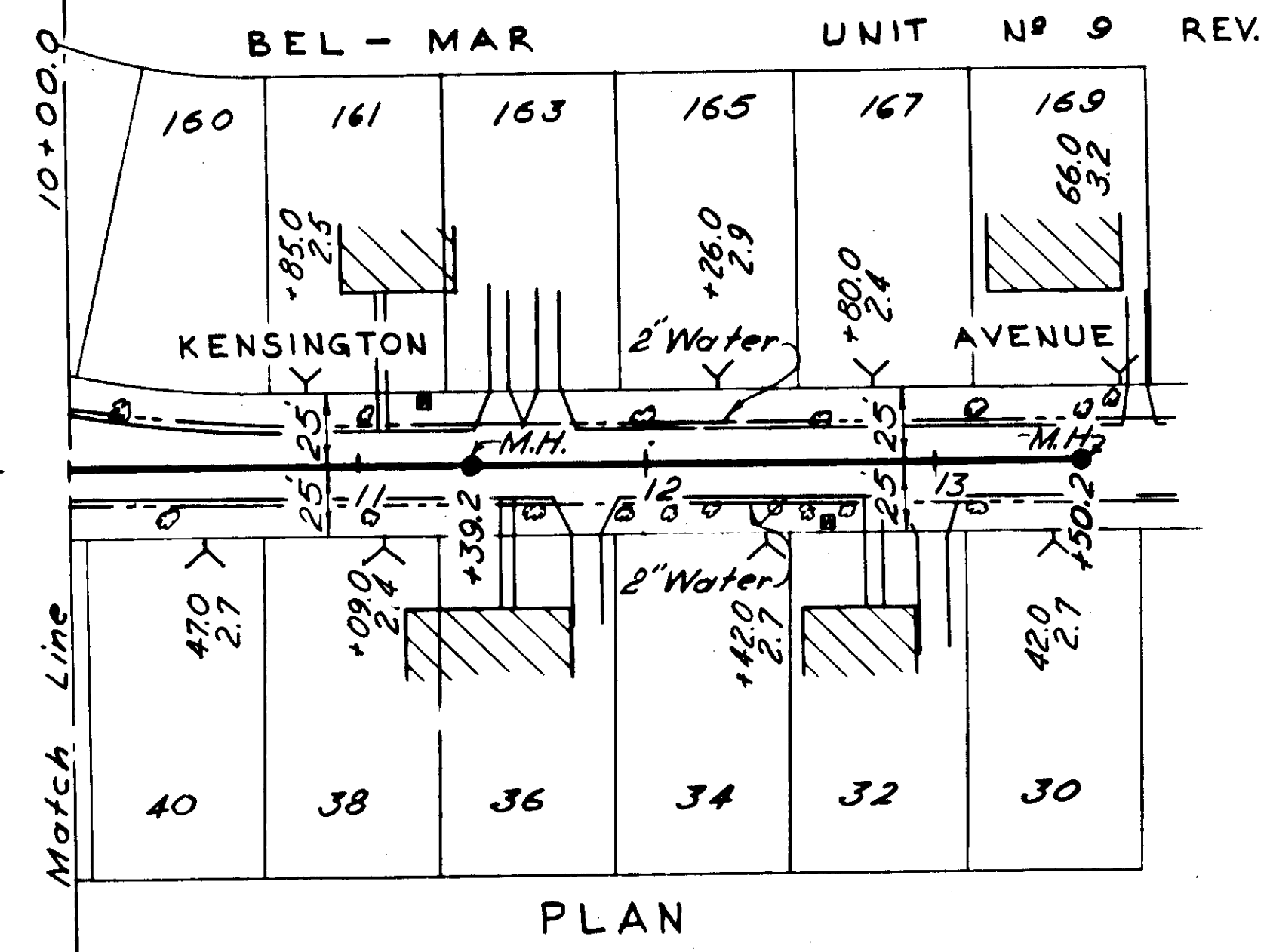
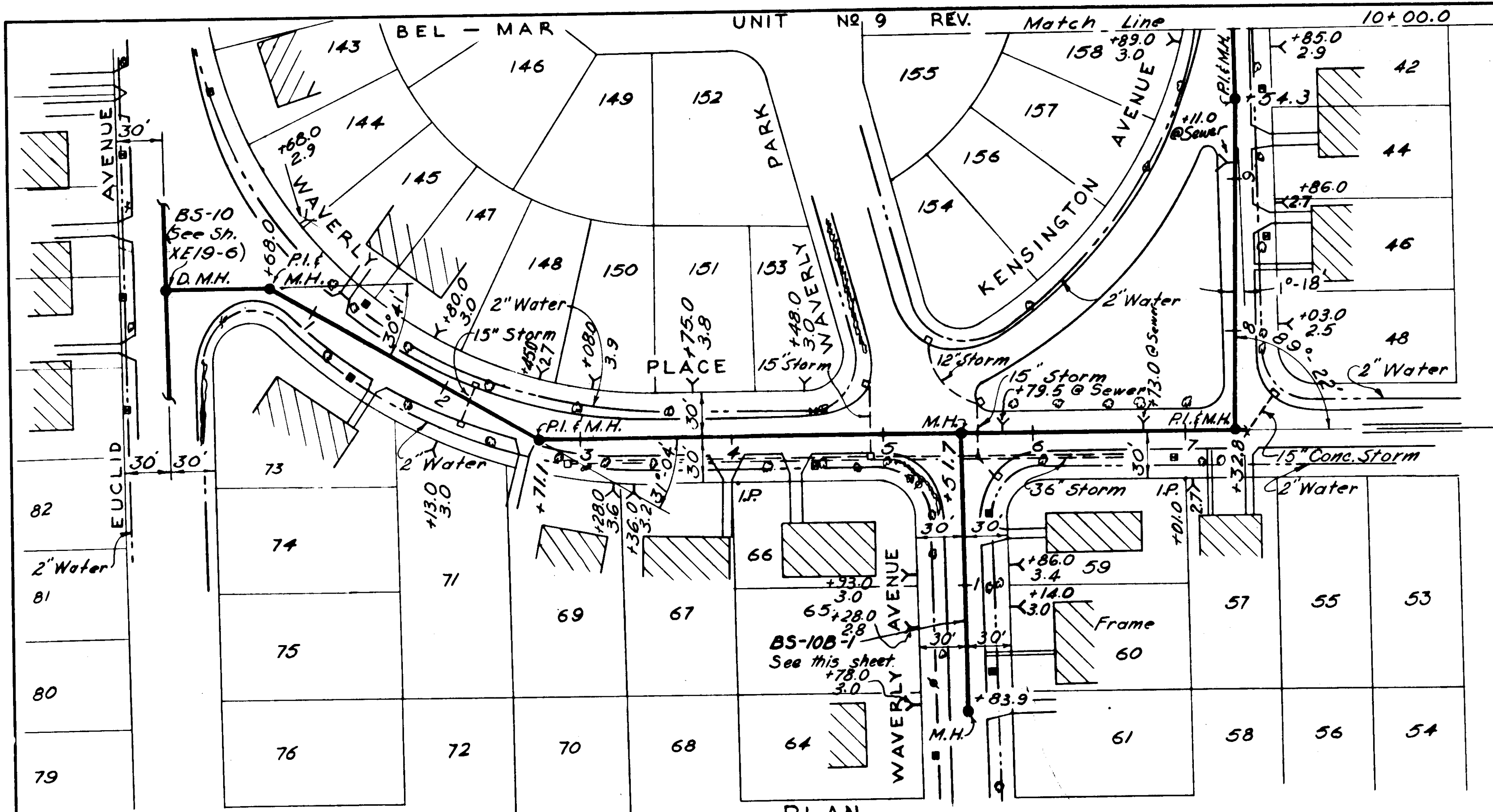
DES. E.E.S.
 DR. G.A.O.
 CHD. F.P.E.
 DATE: JUNE 1955

SCALE
 1" = 50'

SHEET
XE19-7
 OF 25

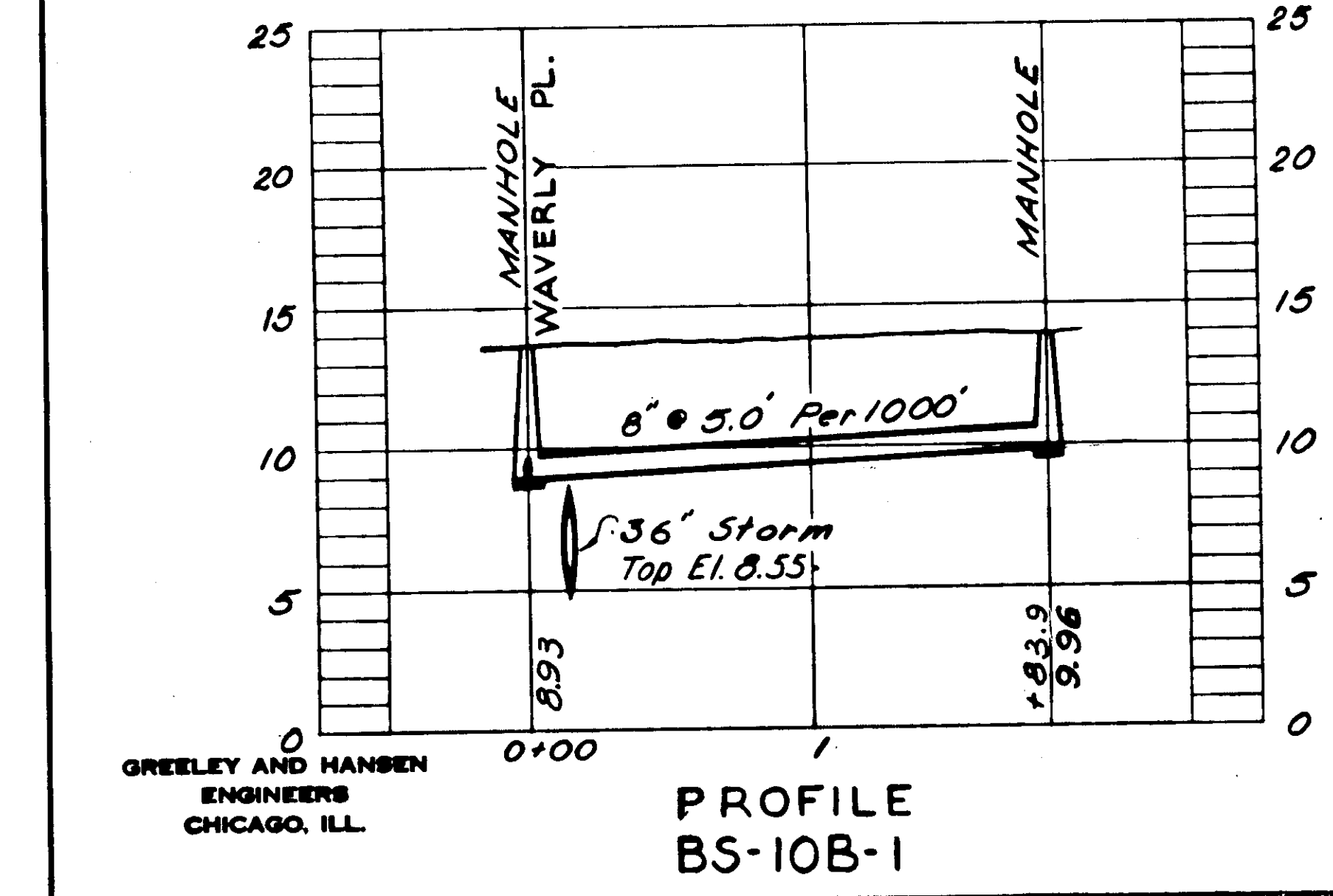
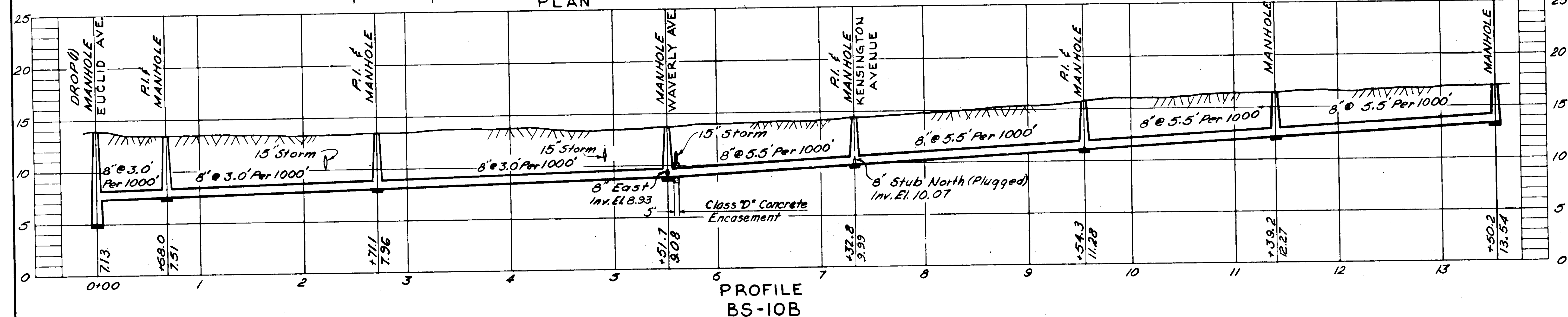
As-Built 68-7

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.



NOTE: (Pavement Replacement)
BS-10B-1 Sta 0+00 to Sta. 1+84
Replaced with Double
Surface Treat. Pav't.

NOTE: Sta. 0+00 to Sta. 13+51
BS-10B Replaced with Double
Surface Treat. Pav't.

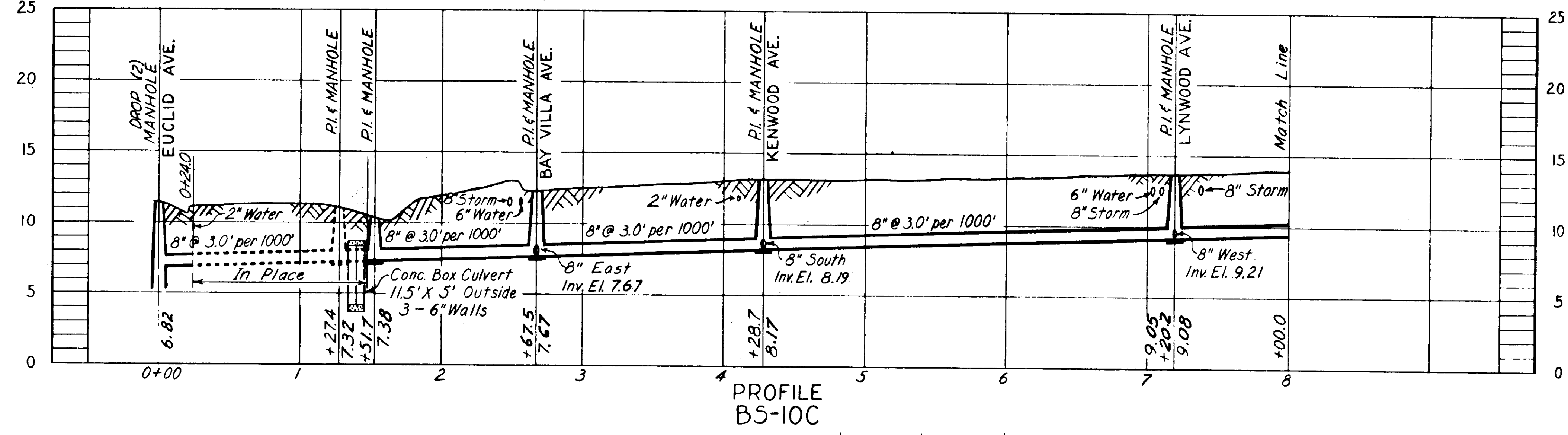
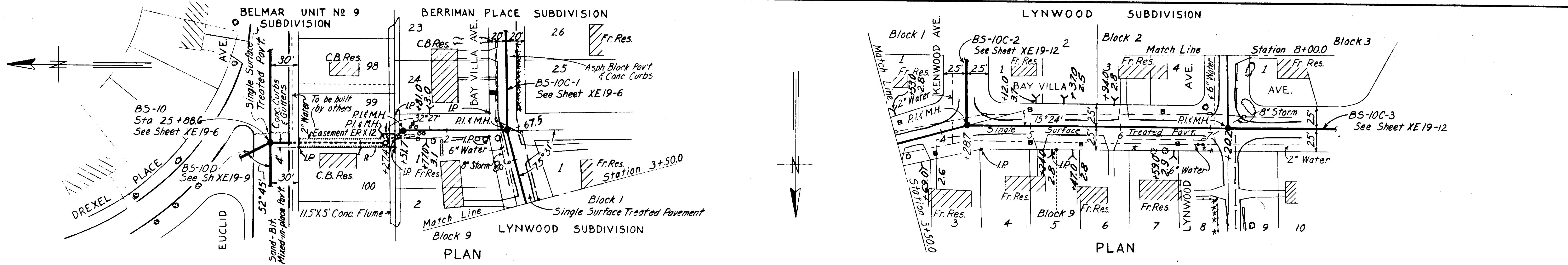


NOTES:
1. All Houses Shown on this Sheet
are of Concrete Block Construction
except as otherwise noted.
2. All Pavement is Single Surface
Treatment on Asphaltic Conc. with
Conc. Curbs & Gutters.

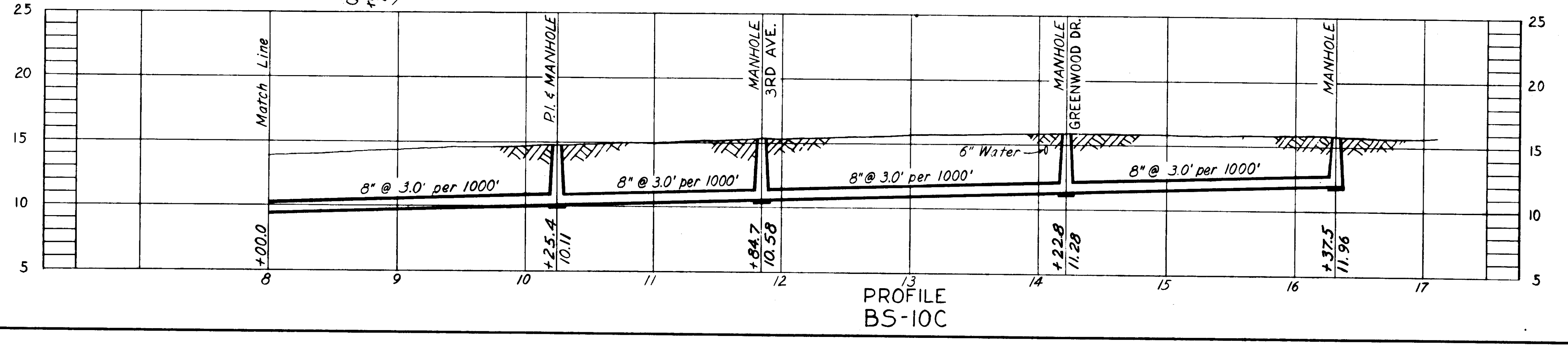
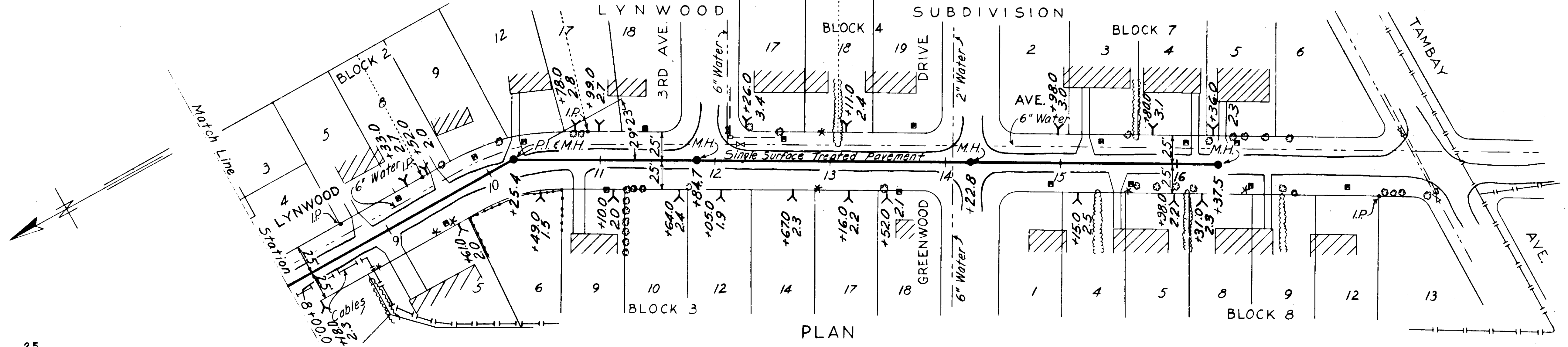
AS BUILT PLAN
Revised to show actual conditions
according to construction records
as of 8-31-56. (J.M.R. 12-19-56)

CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS DIVISION XE19		
BS-10B & BS-10B-1		
DR. E.E.S. DR. W.M.M. CHK. P.F.E. DATE: JUNE 1955	SCALE 0 50 100 1"=50'	SHEET XE19-8 OF 23

As-Built 68-8



NOTE:
Sta. 0+00 to 0+24 replaced with
1 1/2" Cold Mix Pavt. Sta. 2+67.5
to 15+37.5 replaced with Single
Surface Treatment Pavt.

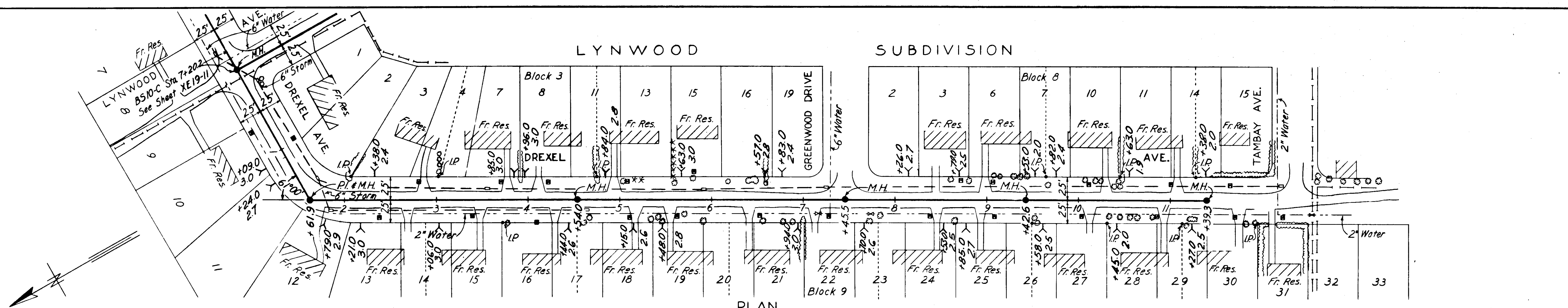


AS BUILT PLAN
Revised to show actual conditions
according to construction records
as of 11-19-56
J.M.P. (12-21-56)

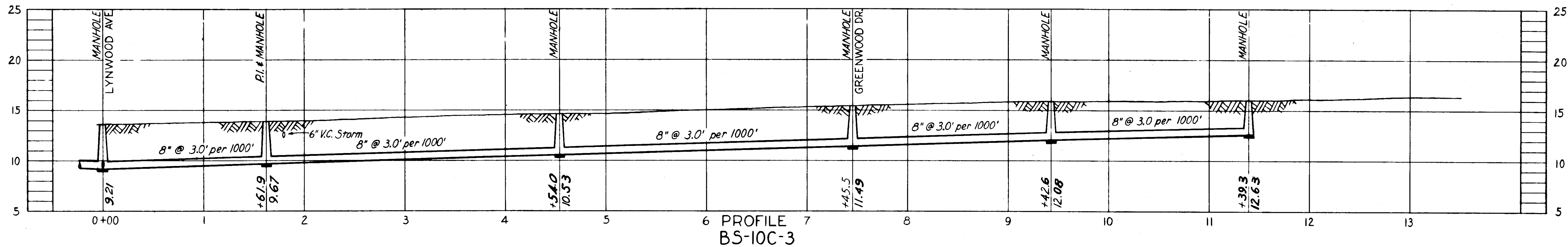
CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE19		
BS-10C		
DES. E.E.S. DR. G.A.O. CKD. F.F.E. DATE: JUNE 1955	SCALE 50 0 50 100 1"=50'	SHEET XE19-11 OF 23

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

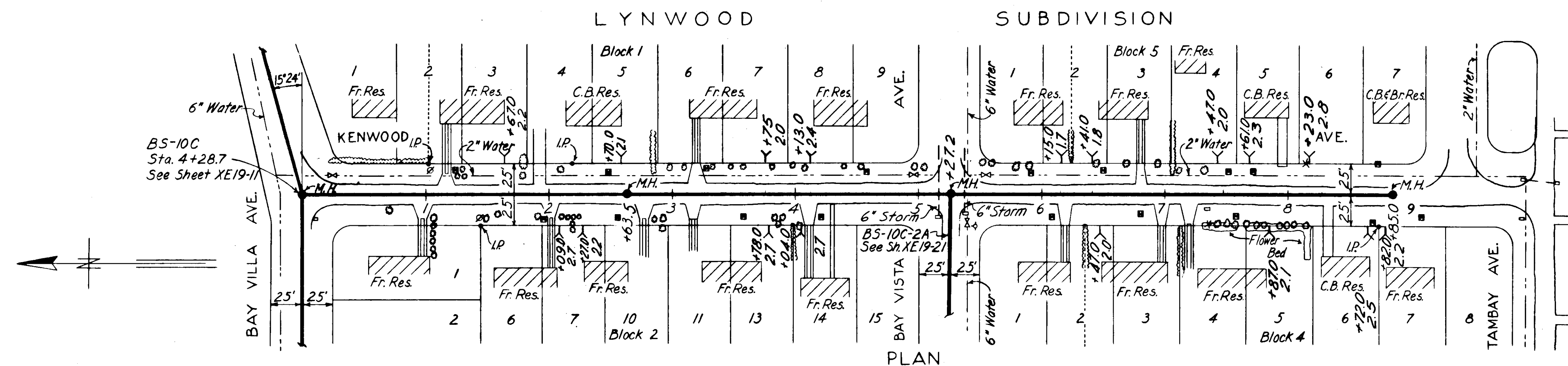
As-Built 68-11



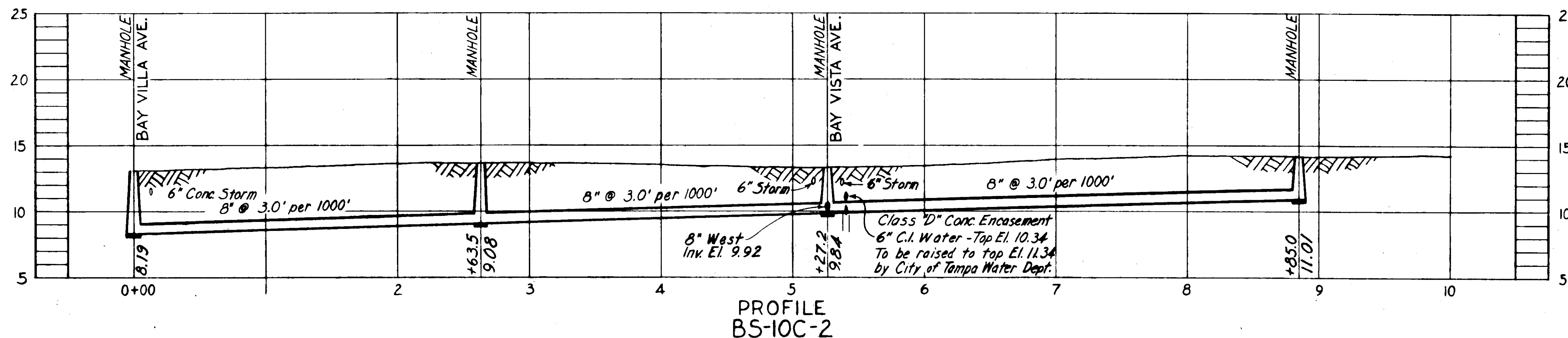
PLAN



PROFILE BS-10C-3



PLAN



PROFILE BS-10C-2

NOTES:
1. All pavement is Single Surface Treated unless otherwise noted. No curbs.

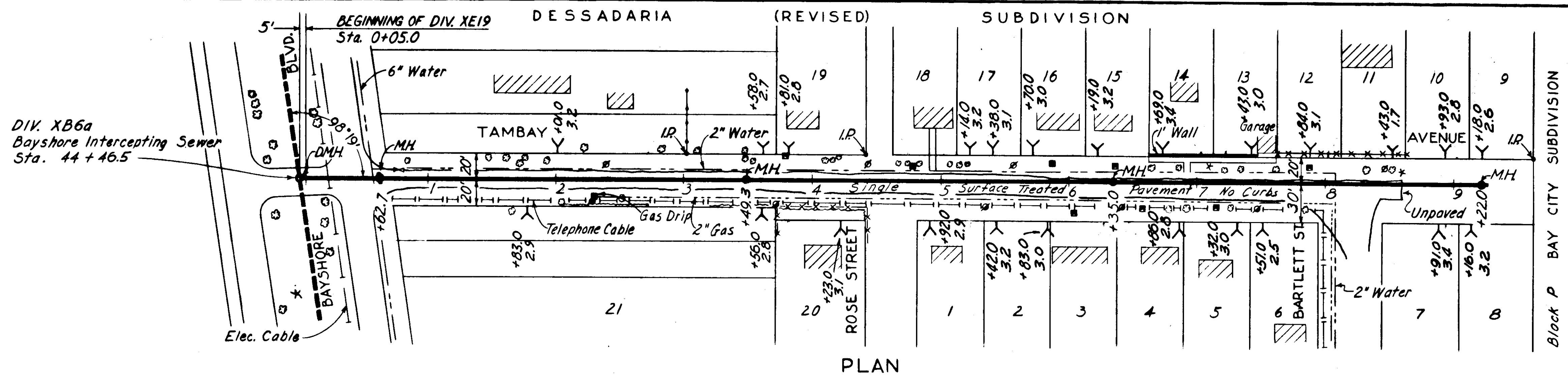
AS BUILT PLAN

Revised to show actual conditions according to construction records as of 11-28-56. (J.M.R. 12-21-56)

CITY OF TAMPA, FLORIDA	
SEWER IMPROVEMENTS	
DIVISION XE19	
BS-10 C-2 & BS-10 C-3	
DES. E.E.S. DR. G.A.O. CKD. P.F.E. DATE: JUNE 1955	<p>SCALE</p> <p>1" = 50'</p>
SHEET XE19-12 OF 25	

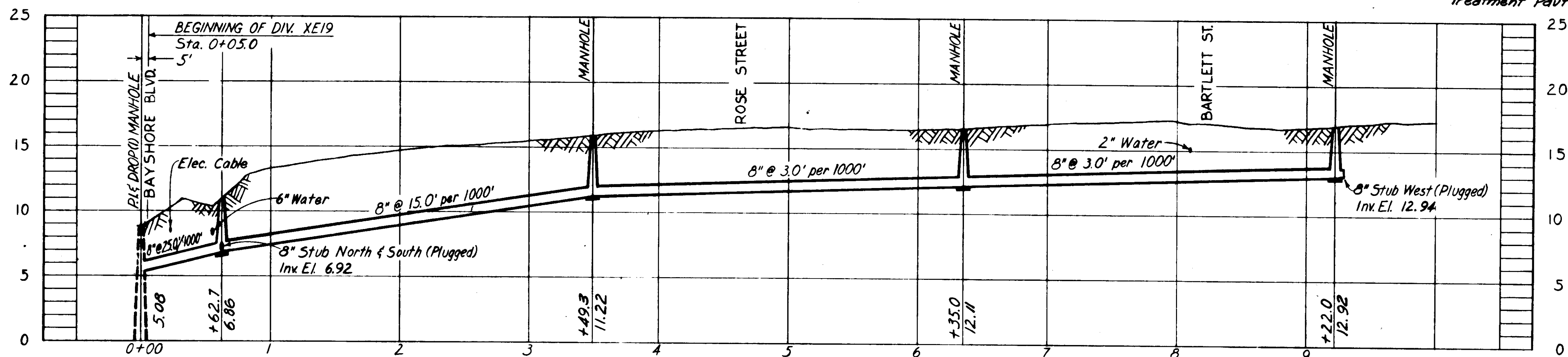
GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

As-Built 68-12

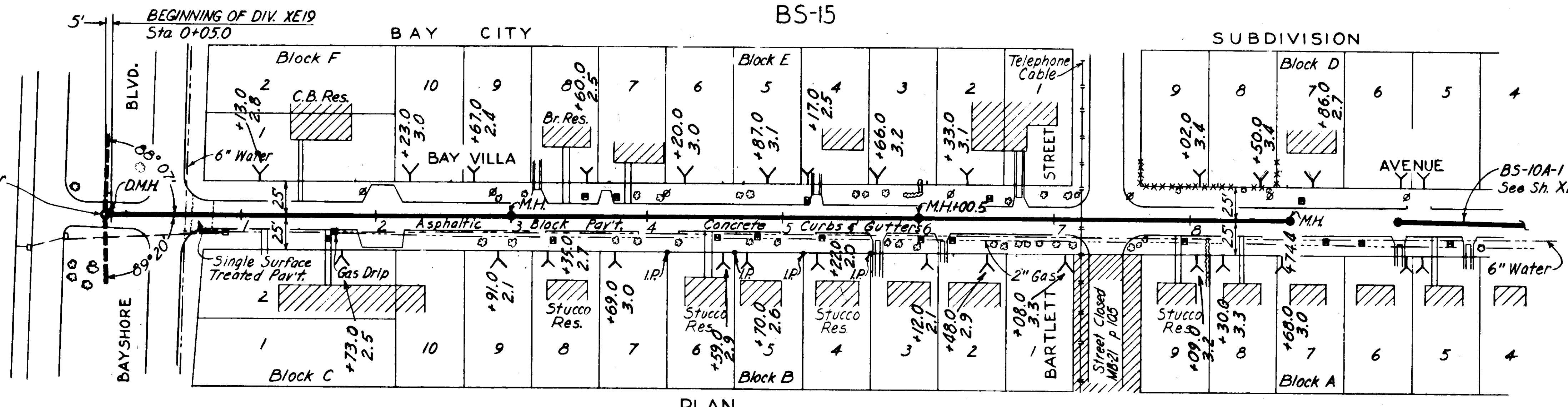


PLAN

NOTE: -
Sta. 0+05 to 0+55 replaced with 1 1/2\"/>



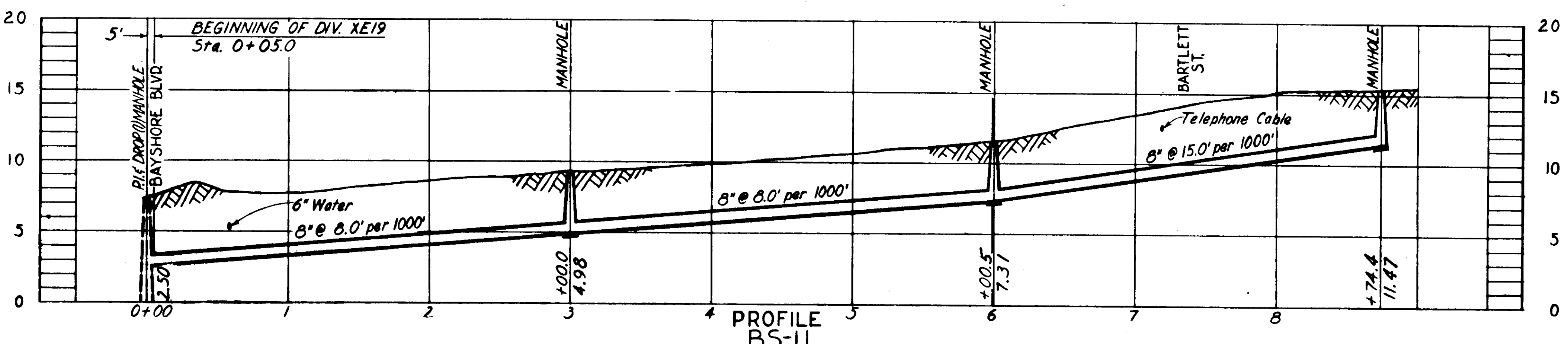
PROFILE BS-15



PLAN

NOTE: -
Sta. 0+00 to 8+74.4 replaced with 1 1/2\"/>

NOTE:
All houses shown on this sheet are of frame construction except as otherwise noted.



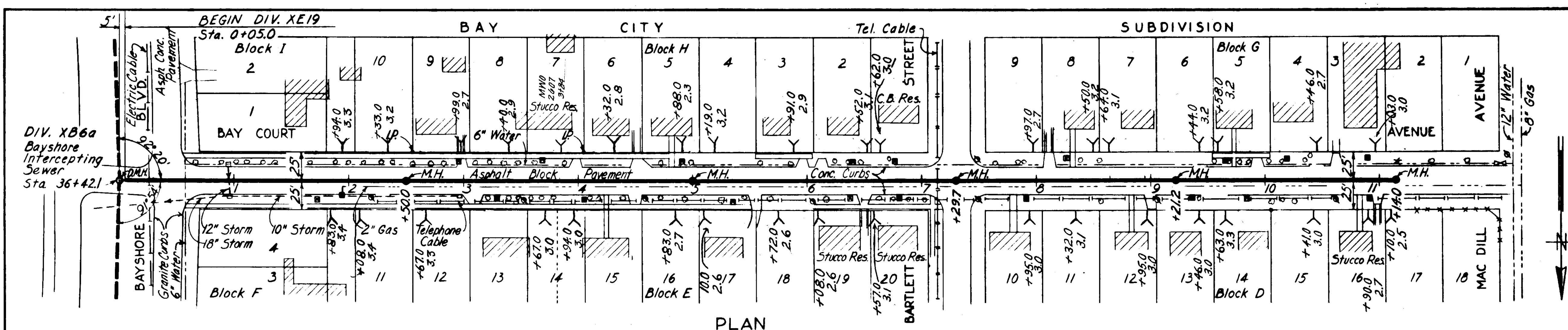
PROFILE BS-II

AS-BUILT PLAN
Revised to show actual conditions according to construction records as of July 1956 (R.V.J. 12-20-56)

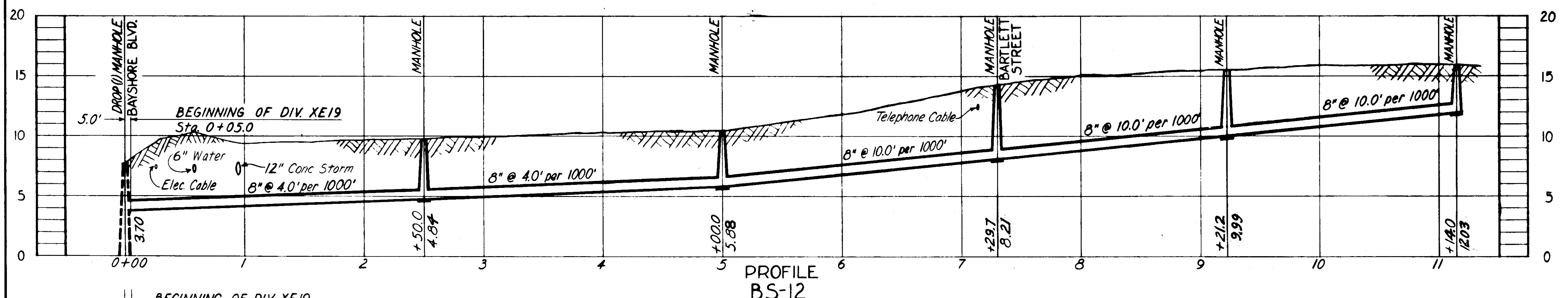
CITY OF TAMPA, FLORIDA SEWER IMPROVEMENTS		
DIVISION XE19		
BS-II & BS-15		
DES. E.E.S. DR. G.A.O. CHK. F.F.E. DATE: JUNE 1955	SCALE 0 50 100 1"=50'	SHEET XE19-13 OF 28

GREELY AND HANSEN
ENGINEERS
CHICAGO, ILL.

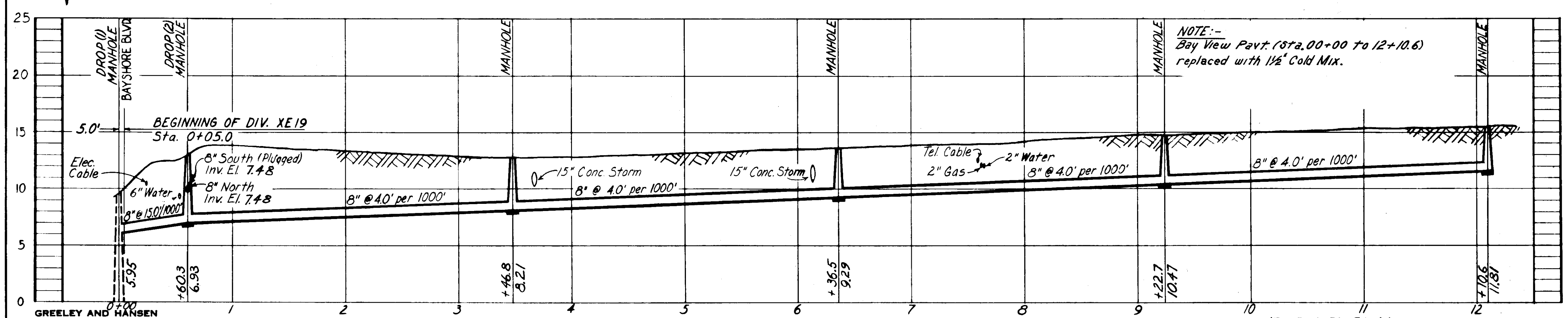
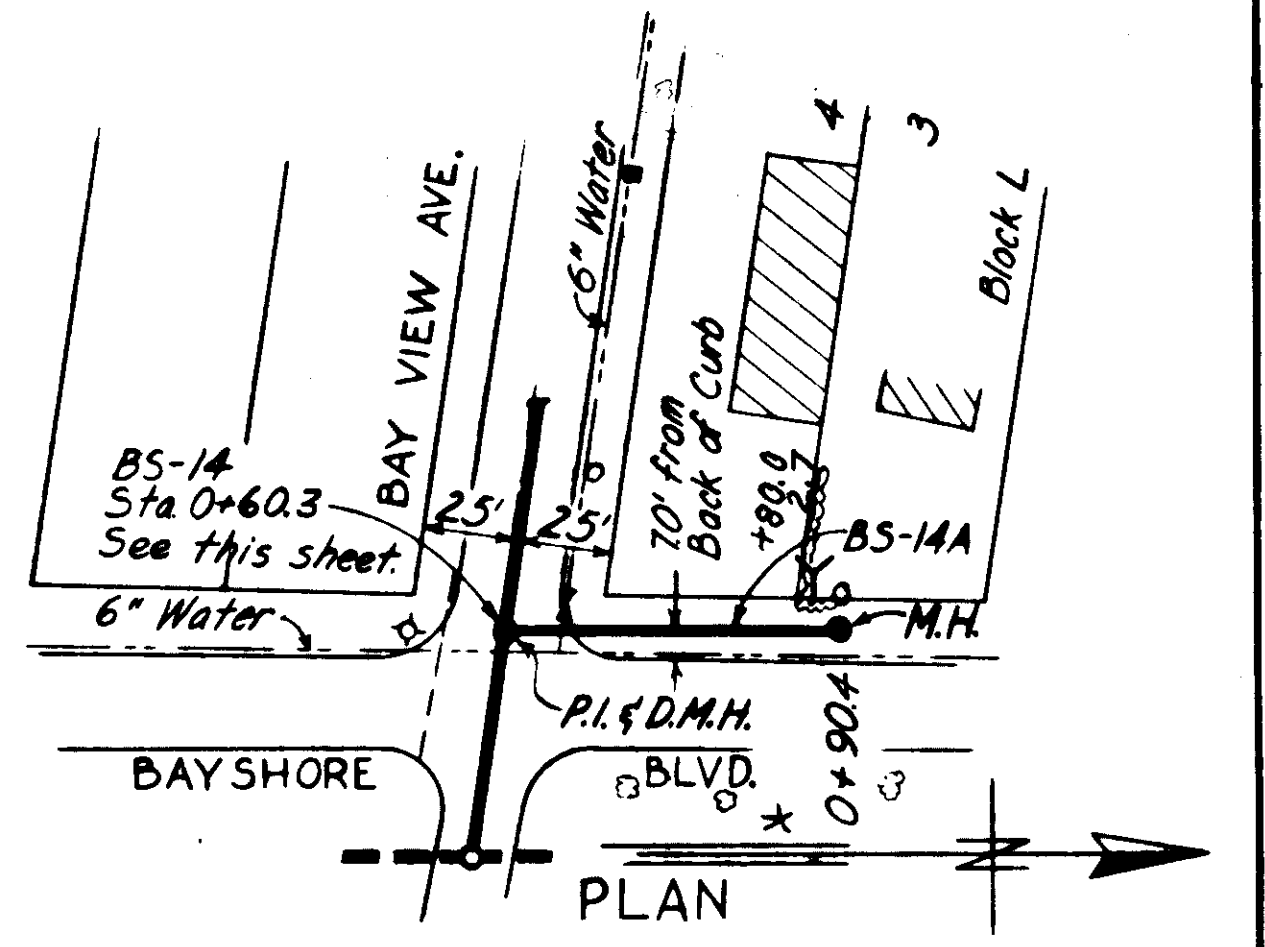
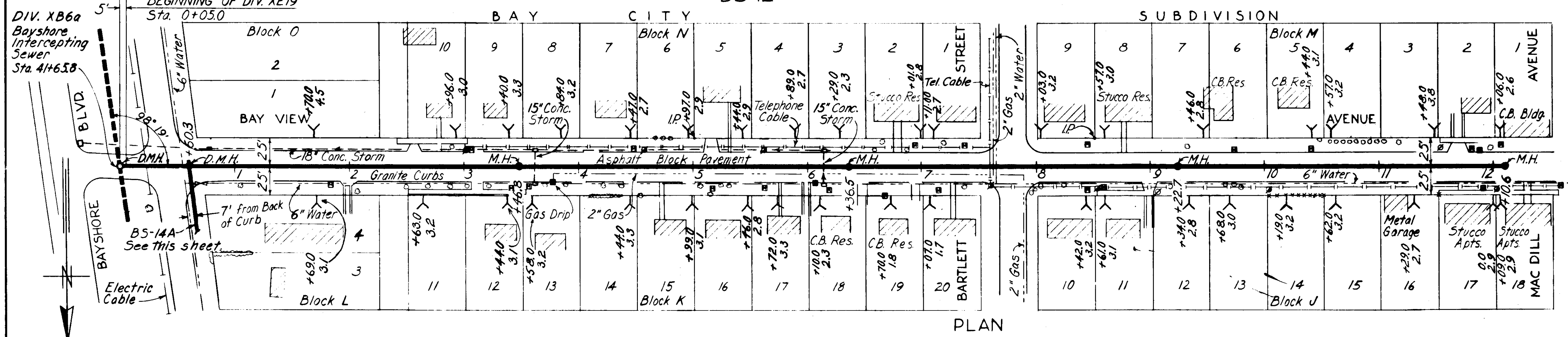
As-Built 68-13



NOTE:-
 Bay Court Pavt. (Sta. 0+00 to 11+15.0)
 replaced with 1 1/2" Cold Mix.



NOTE:
 All houses shown on this sheet are
 of frame construction except as
 otherwise noted.



NOTE:-
 Bay View Pavt. (Sta. 00+00 to 12+10.6)
 replaced with 1 1/2" Cold Mix.

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE19

BS-12, BS-14 & BS-14A

DES. E.E.S.
 DR. S.A.O.
 CKD. F.F.E.
 DATE: JUNE 1955

SCALE
 0 50 100
 1" = 50'

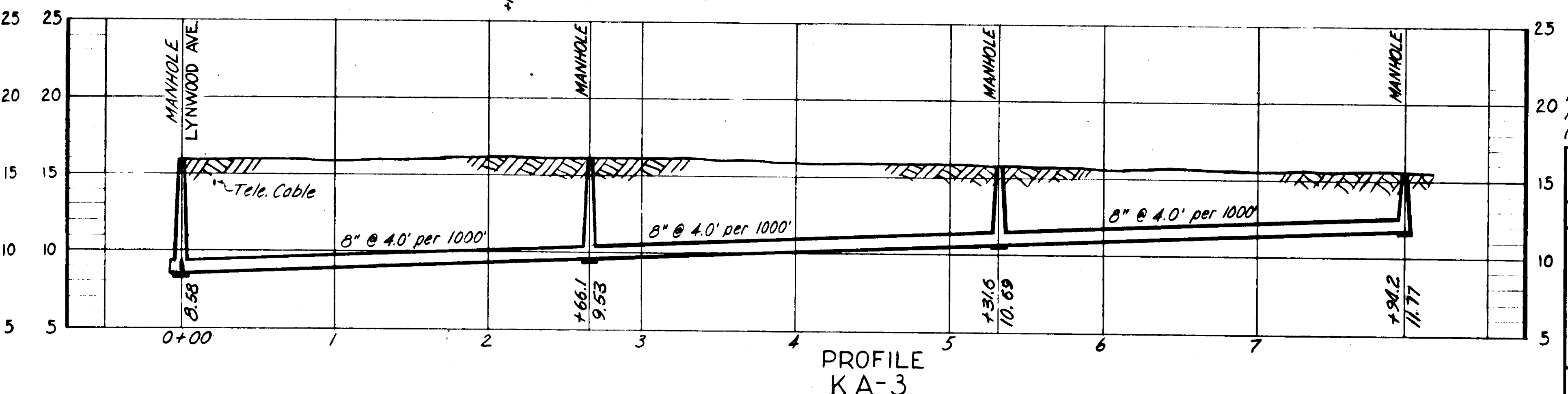
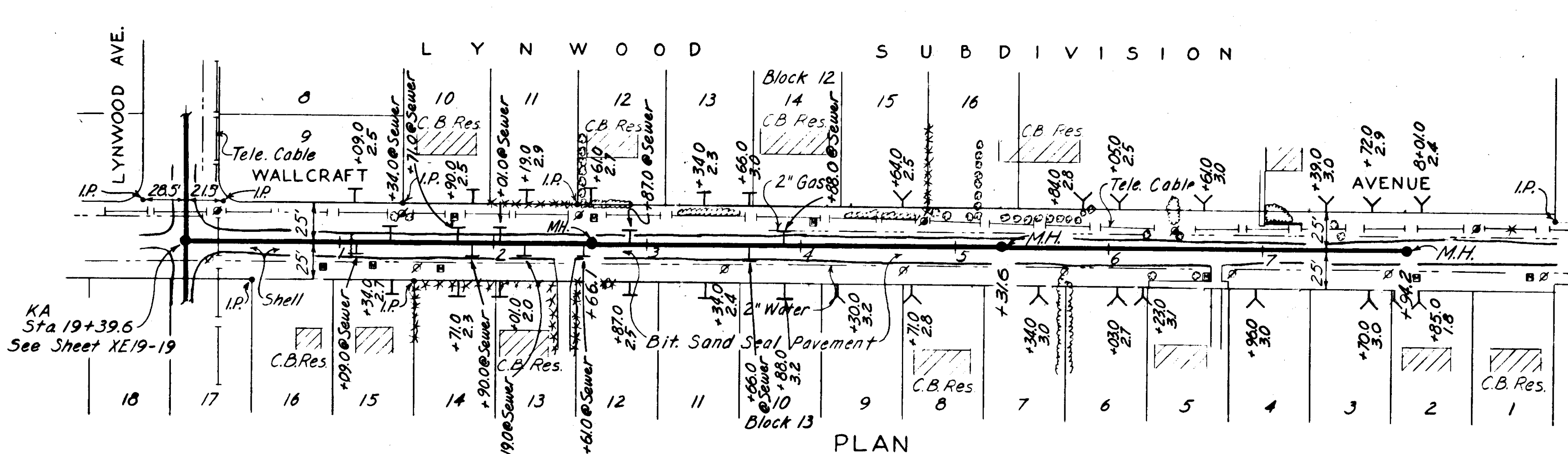
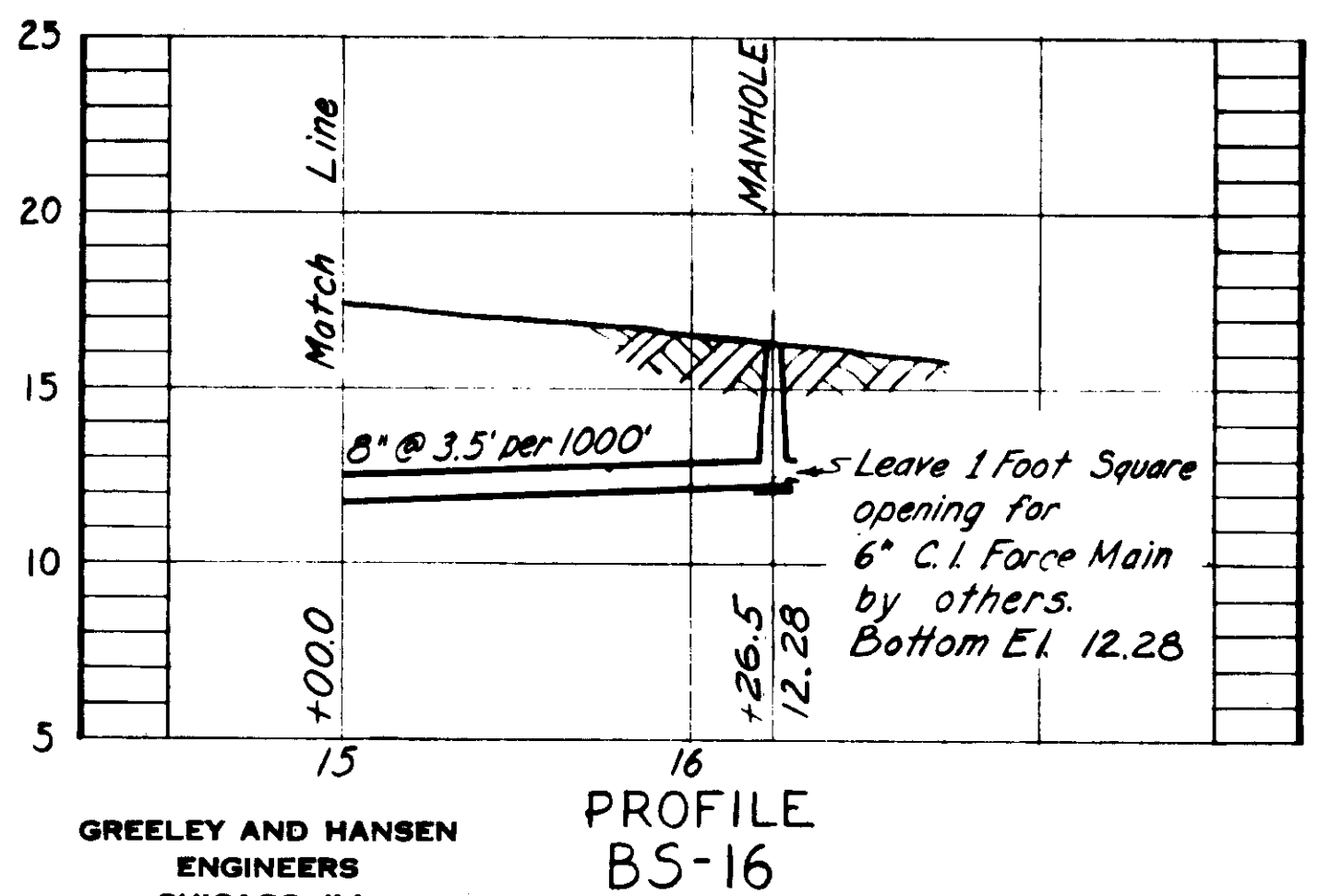
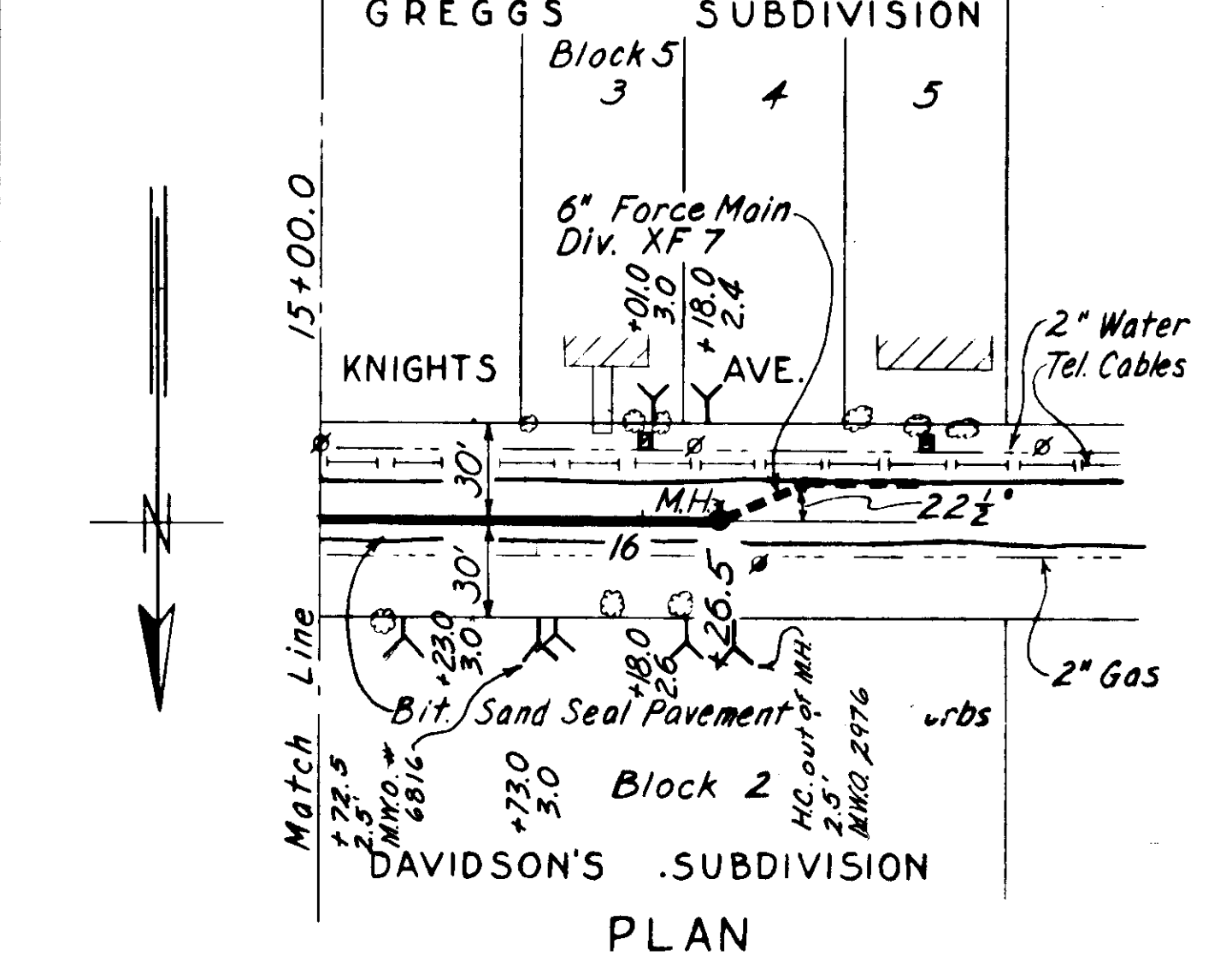
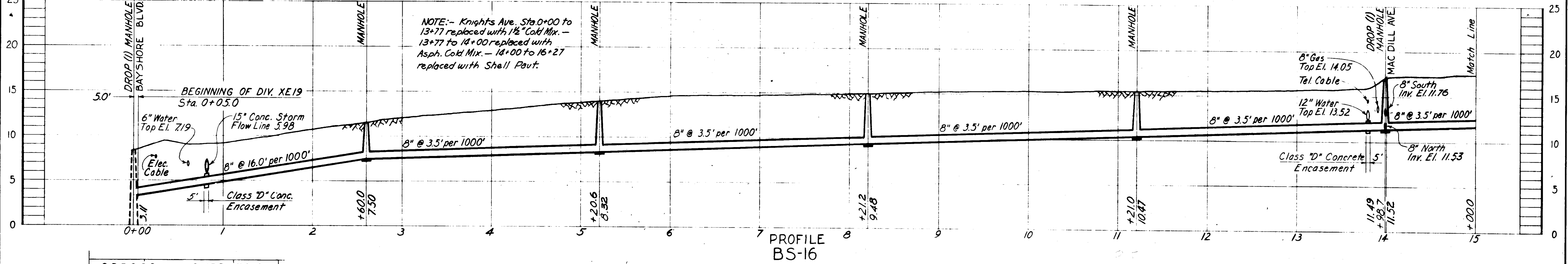
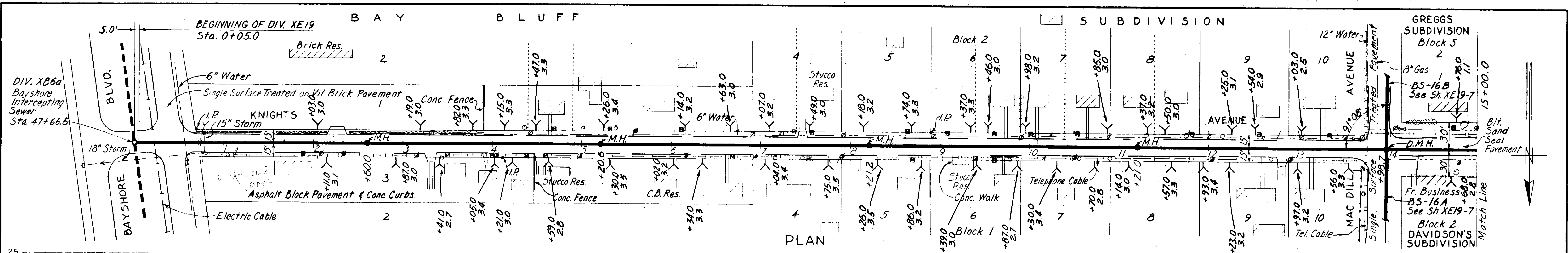
SHEET
XE19-14
 OF 25

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

PROFILE BS-14

AS BUILT PLAN
 Revised to show actual conditions according to
 construction records as of 8-31-56.
 (S & H. 1-7-57)

As-Built 68-14



NOTES:
 1. All houses shown on this sheet are of frame construction unless otherwise noted.
 NOTE:- Wallcraft Ave. Sta. 0+00 to 7+94.2 replaced with Shell Pavt.

GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

AS-BUILT PLAN
 Revised to show actual conditions according to construction records as of 11-21-56
 (R.V.J. 1-8-57)

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS

DIVISION XE19

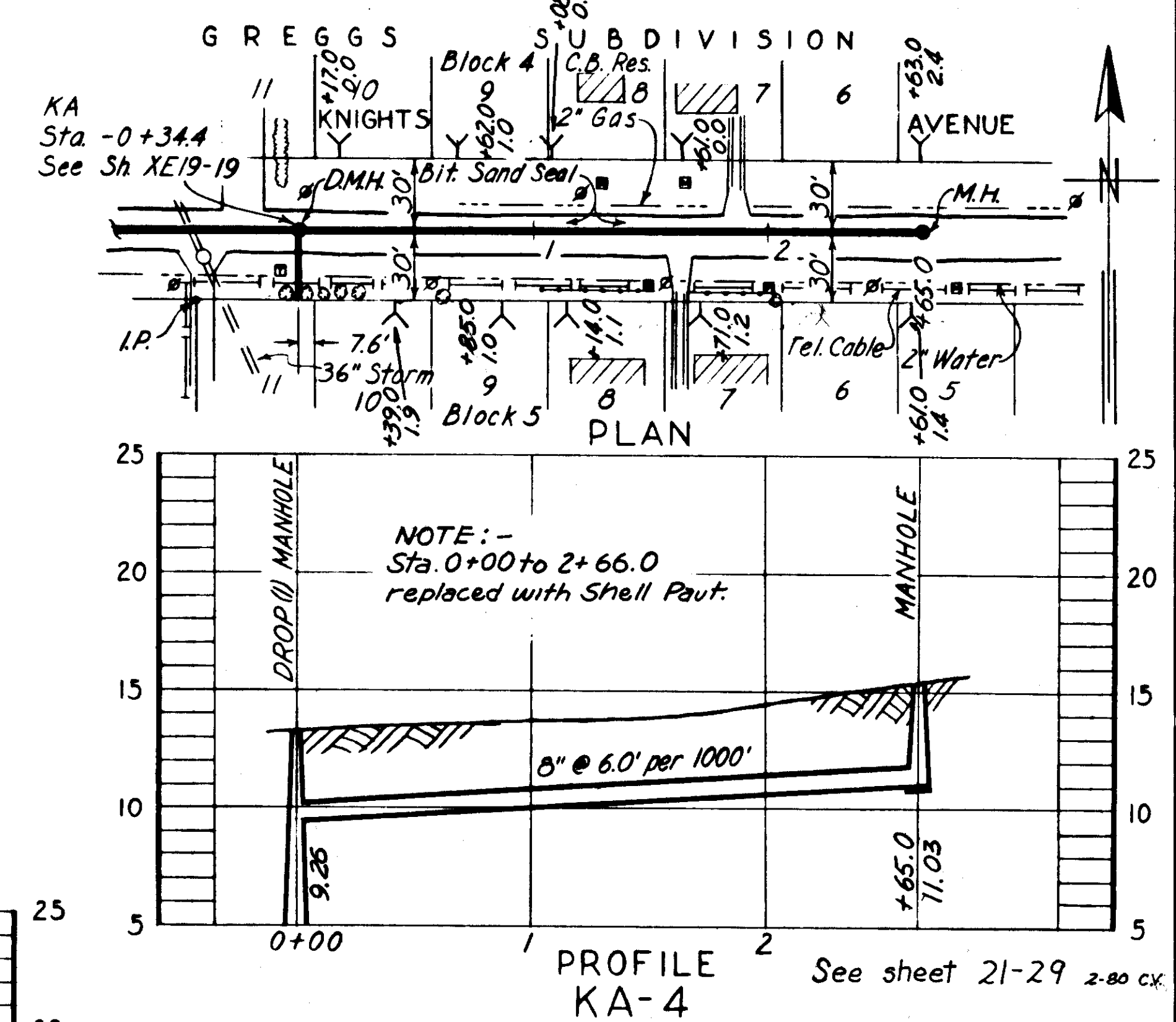
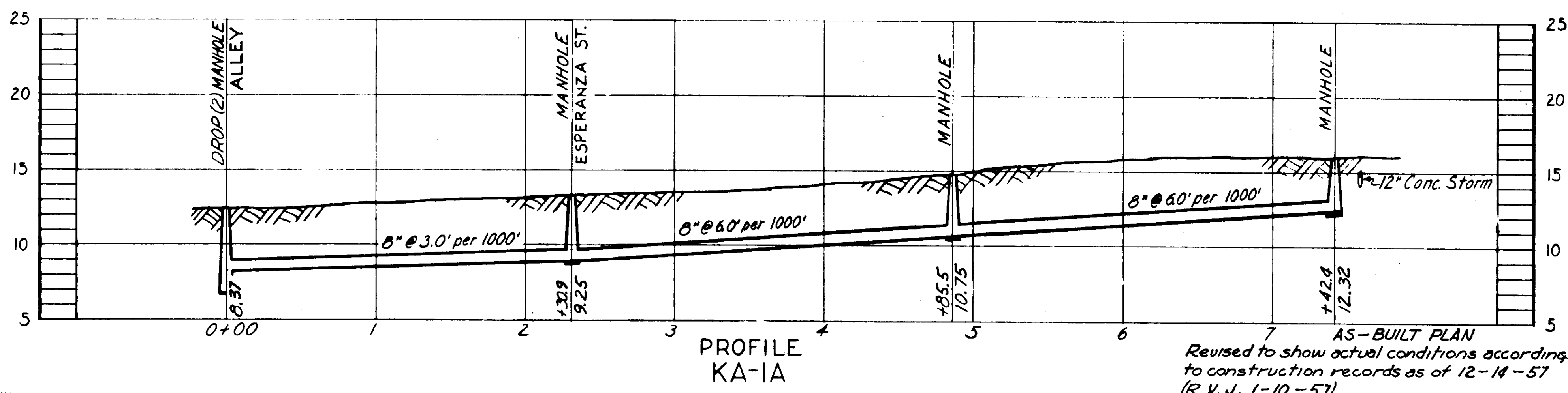
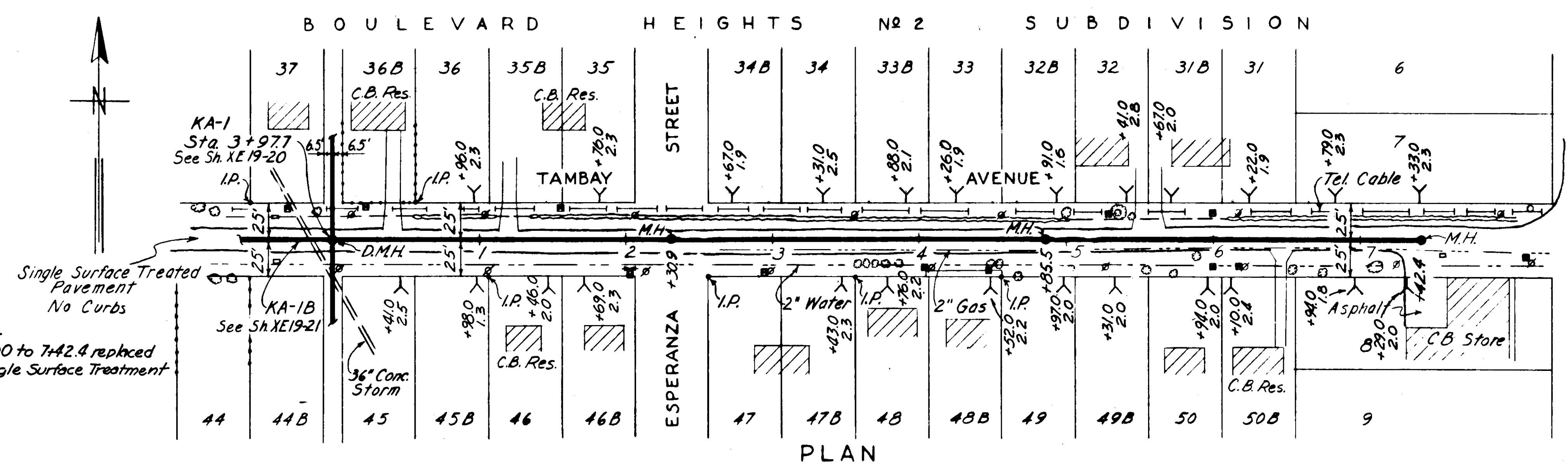
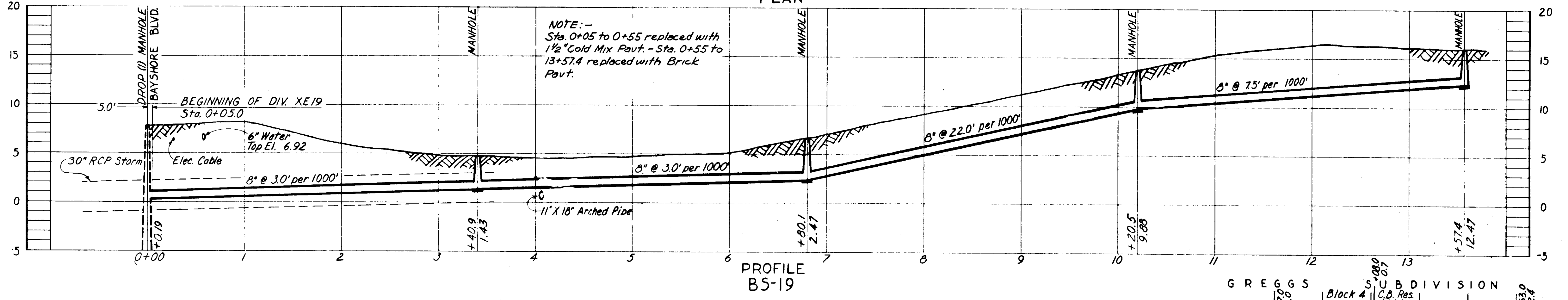
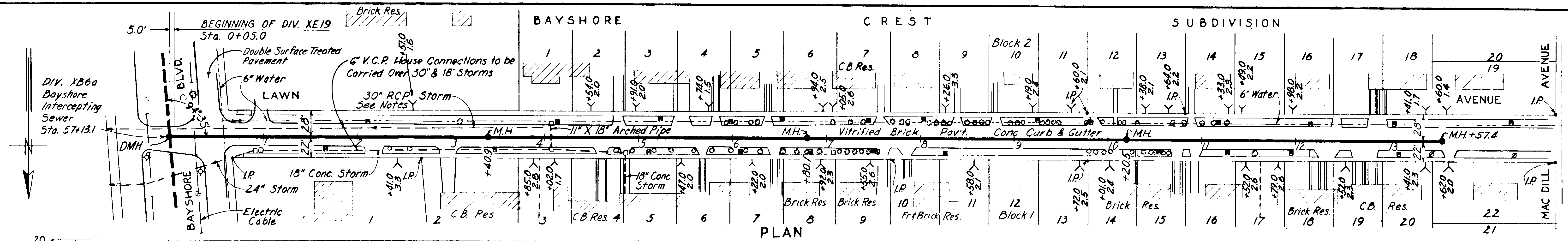
BS-16 & KA-3

DES. E.E.S.
 DR. G.A.O.
 CKD. F.F.E.
 DATE: JUNE 1935

SCALE
 1" = 50'

SHEET
XE19-16
 OF 23

As-Built 68-16



NOTE: All houses shown on this sheet are of frame construction except as otherwise noted.

GREELEY AND HANSEN ENGINEERS CHICAGO, ILL.

Revised to show actual conditions according to construction records as of 12-14-57 (R.V.J. 1-10-57)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE19

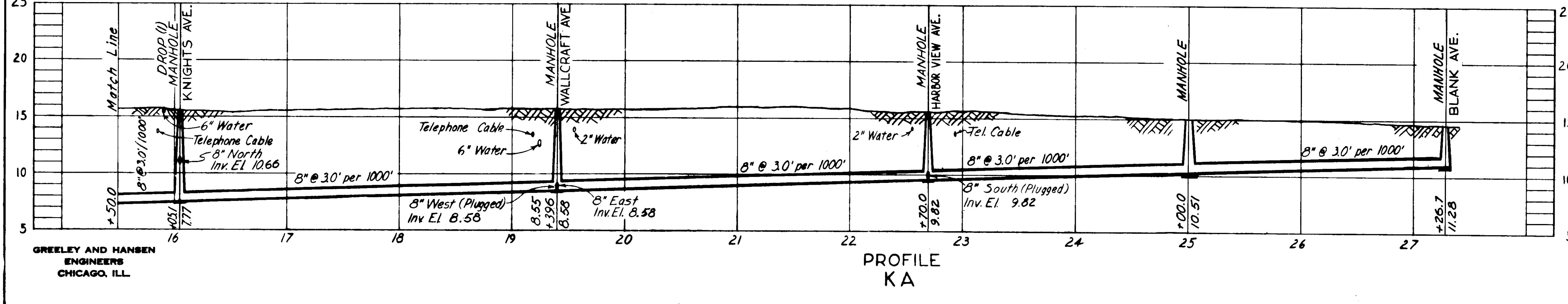
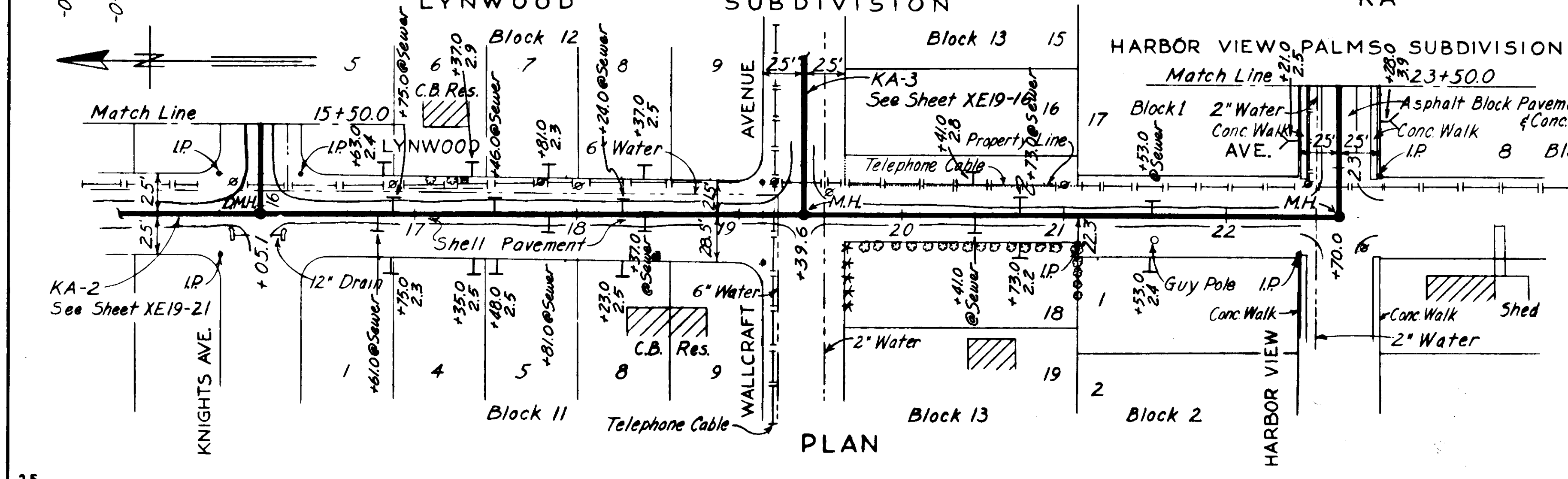
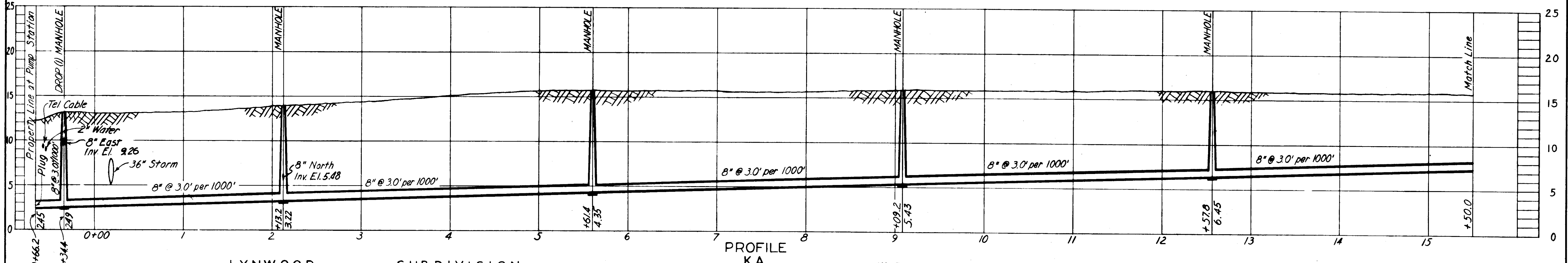
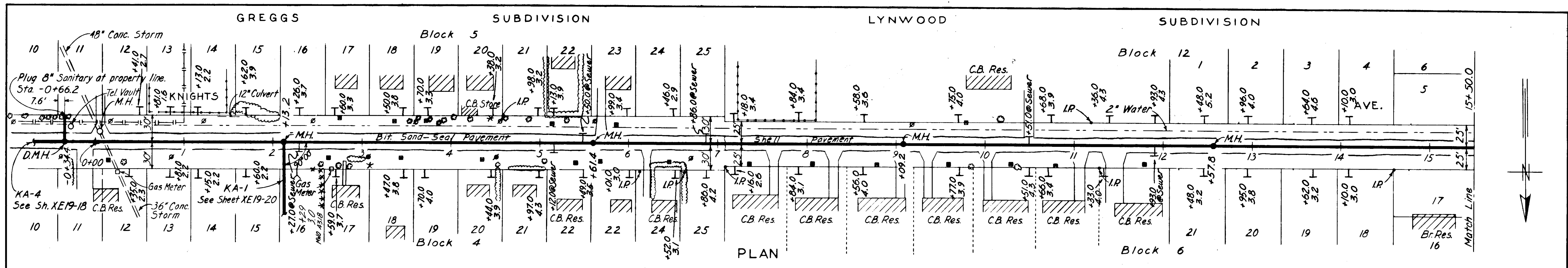
BS-19, KA-1A & KA-4

DES. E.E.S.
DR. G.A.O.
CKD. F.F.E.
DATE: JUNE 1955

SCALE 1" = 30'

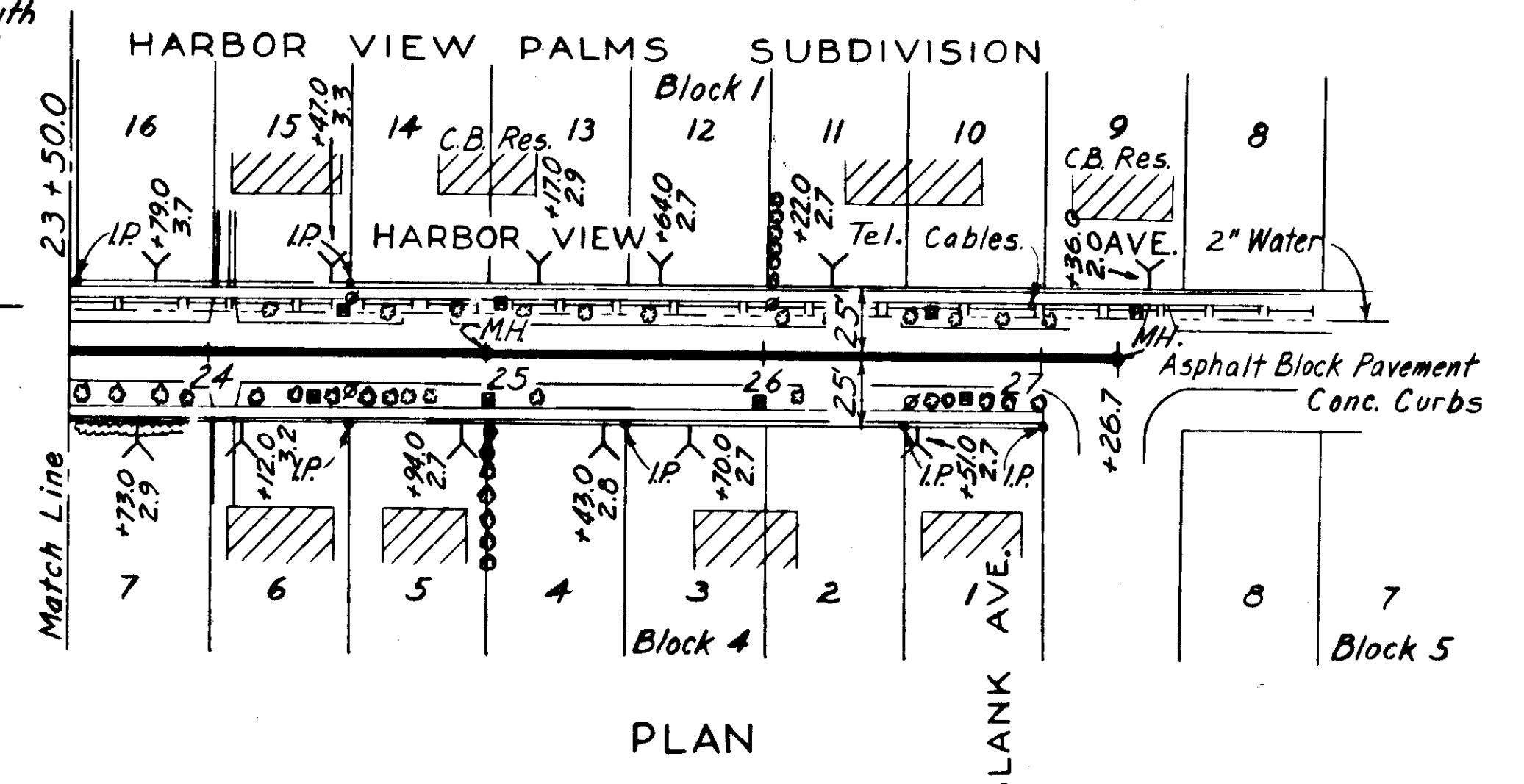
SHEET XE19-18 OF 23

As-Built 68-18



NOTE:-
Sta. -0+44.4 to 22+55.0 replaced with Shell Pavt. Sta. 22+55.0 to 27+26.7 replaced with Asp. Cold Mix Pavt.

NOTE:
All houses on this sheet are of frame construction except as otherwise noted.



AS-BUILT PLAN
Revised to show actual conditions according to construction records as of 11-28-56 (R.V.J. 1-10-57)

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
DIVISION XE19

KA

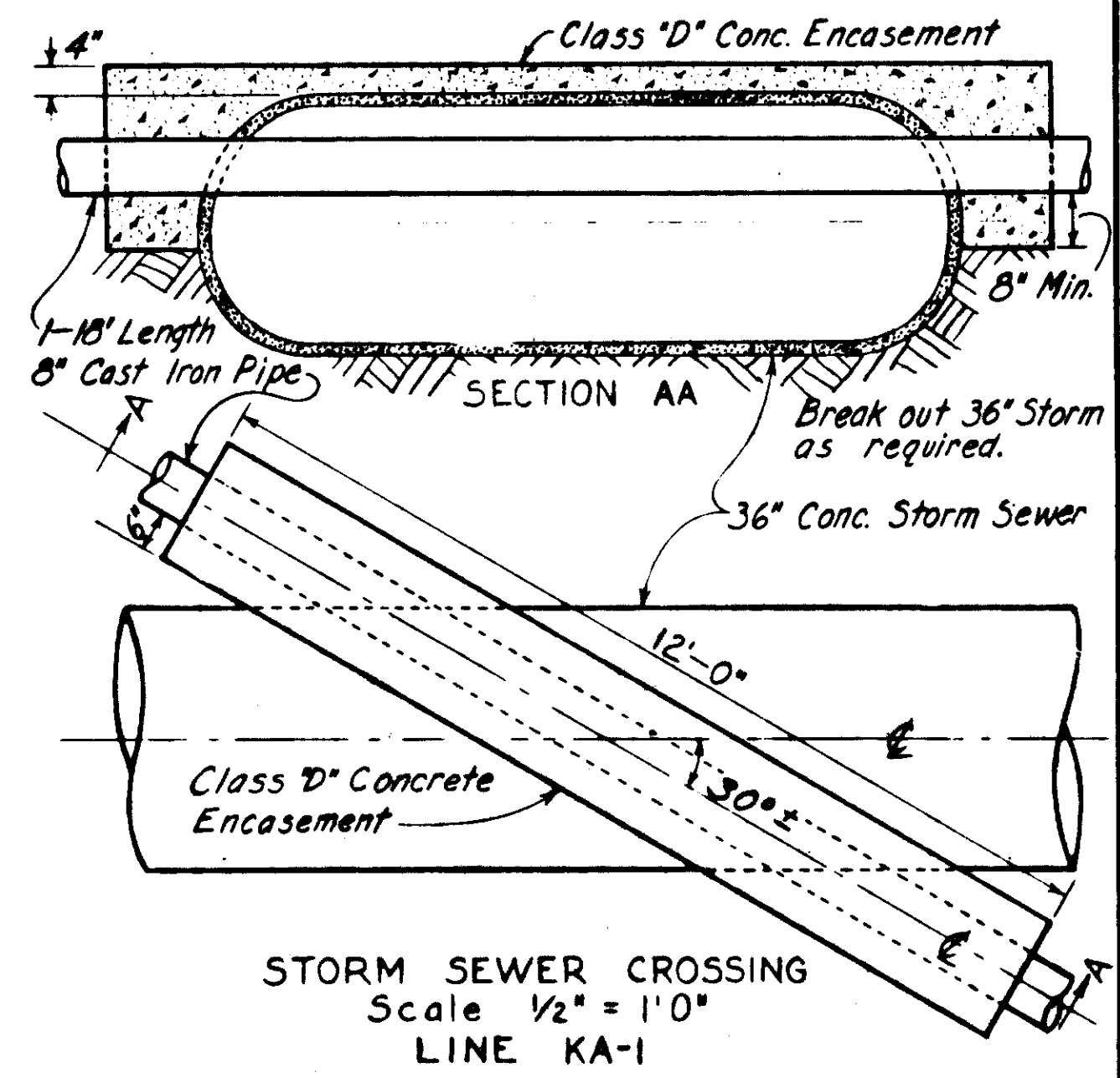
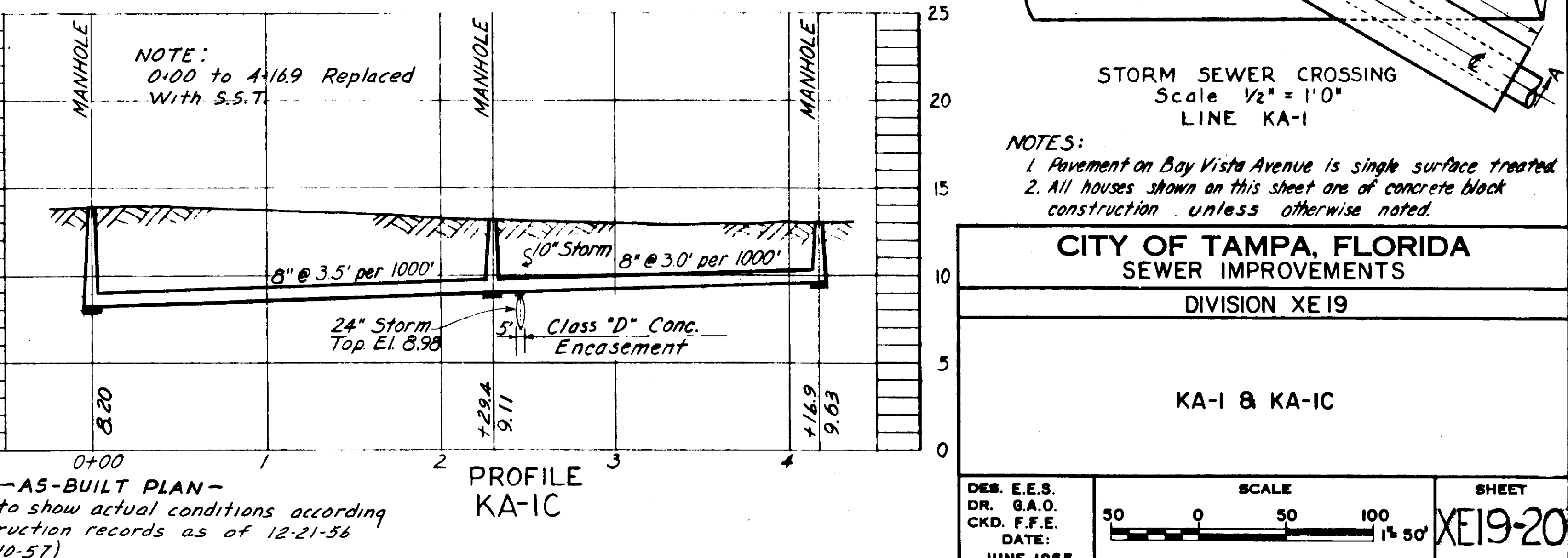
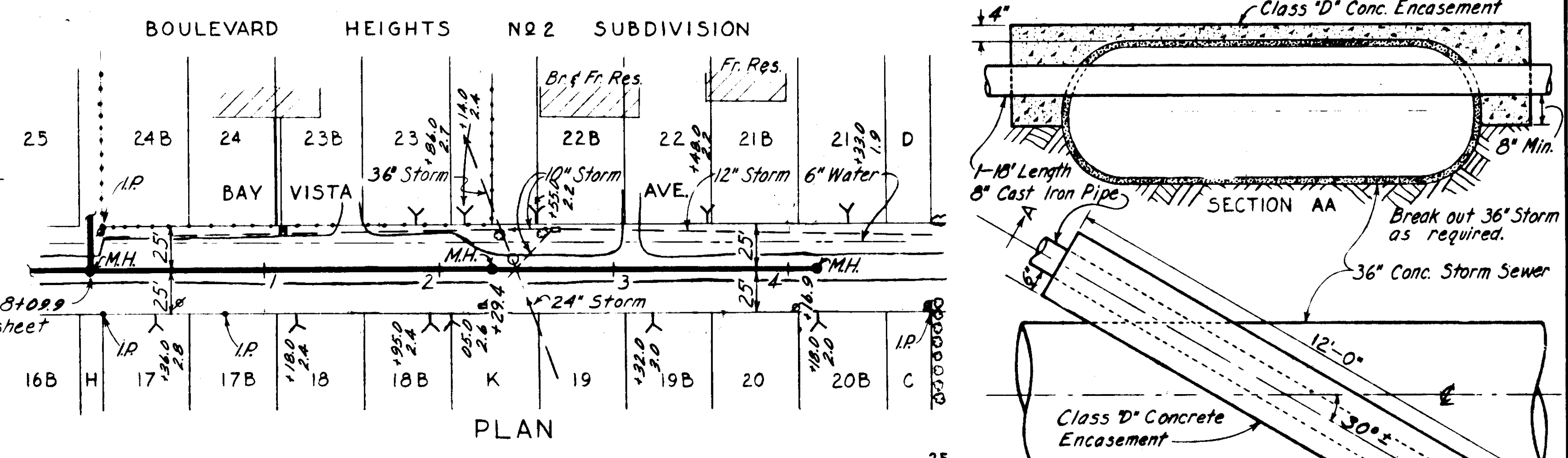
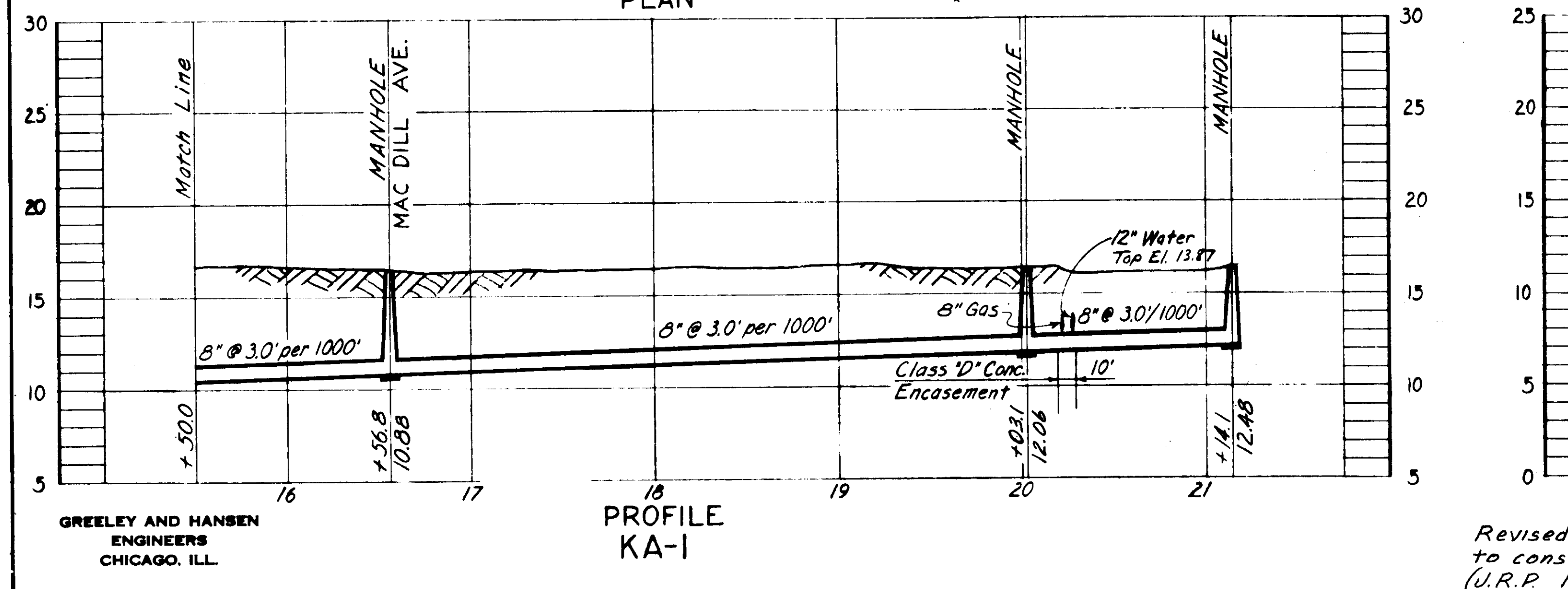
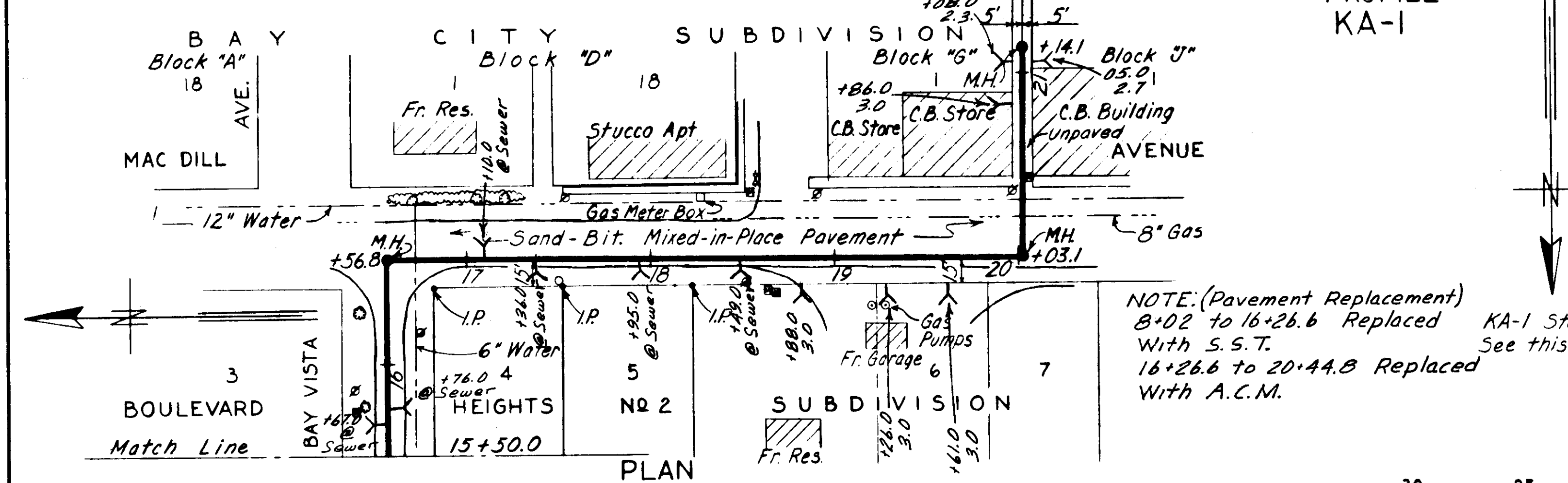
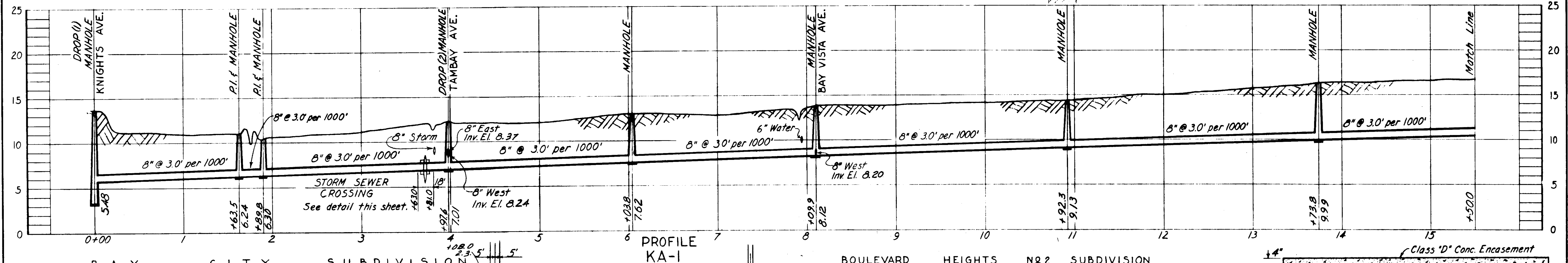
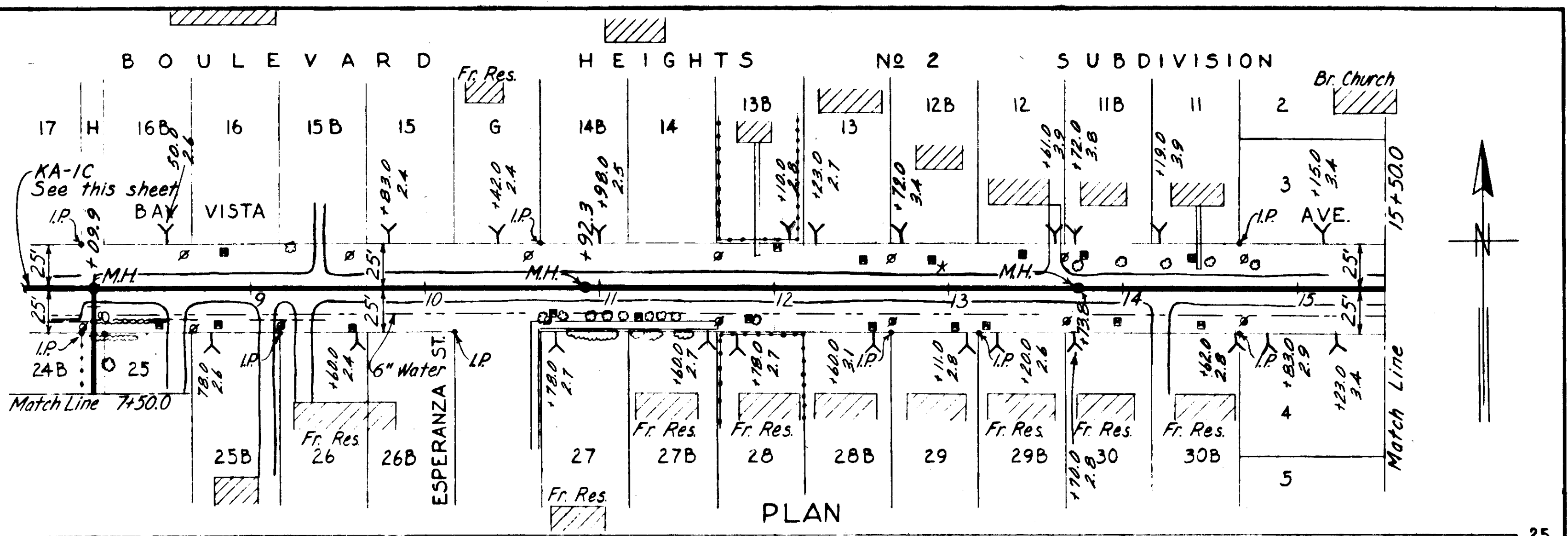
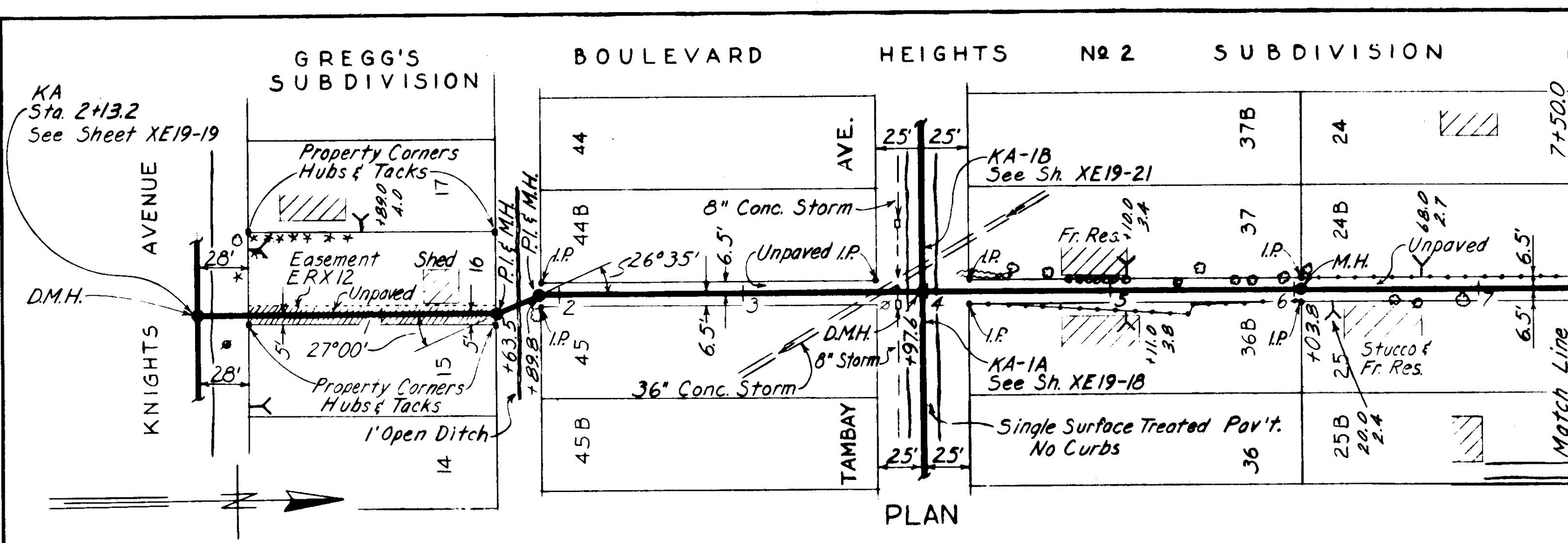
DES. E.E.S.
DR. G.A.O.
CKD. F.E.E.
DATE: JUNE 1953

SCALE
0 50 100
1"=50'

SHEET
XE19-19
OF 25

GREGLEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

As-Built 68-19



NOTES:

- Pavement on Bay Vista Avenue is single surface treated.
- All houses shown on this sheet are of concrete block construction unless otherwise noted.

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE19

KA-I & KA-IC

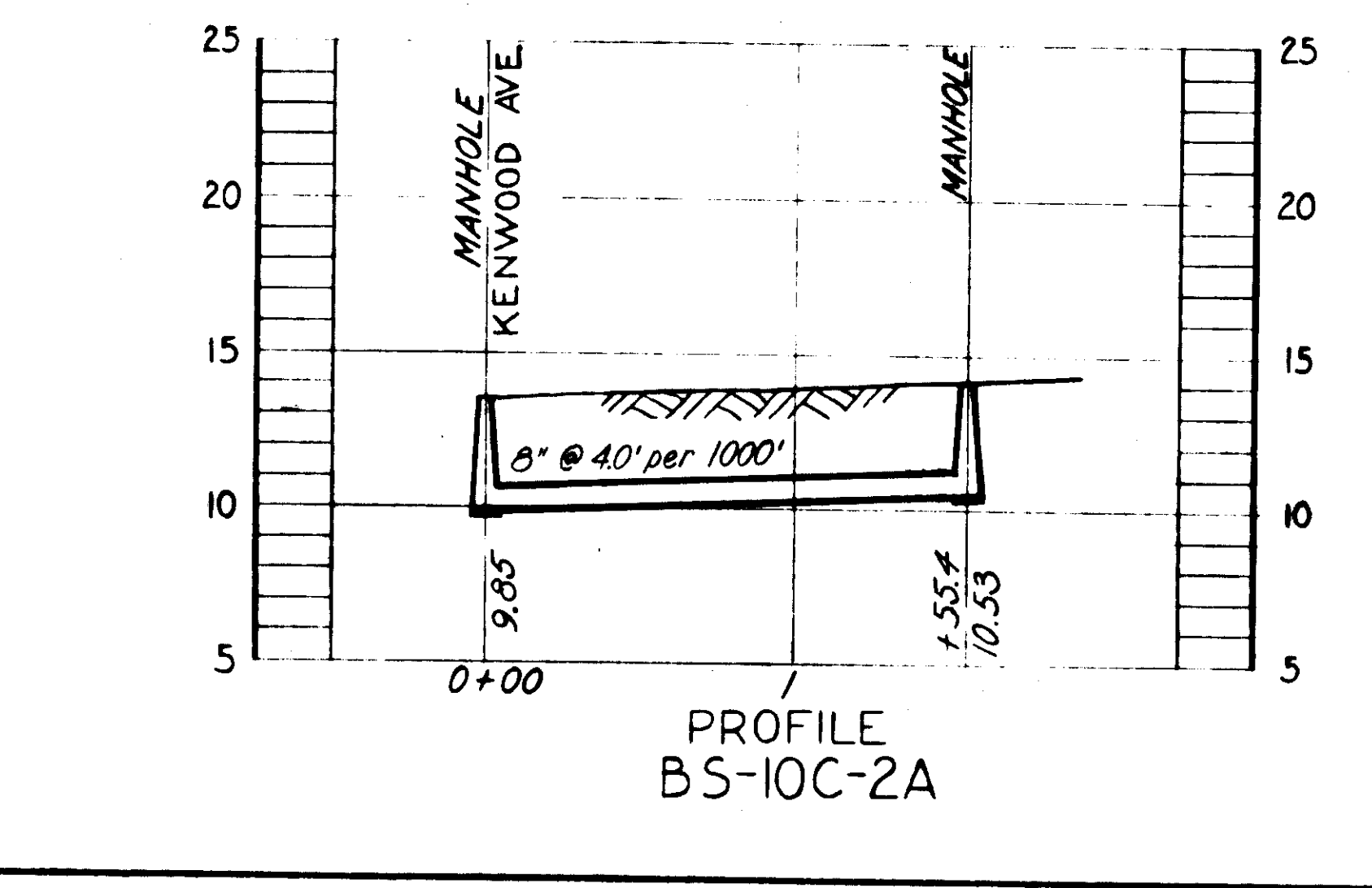
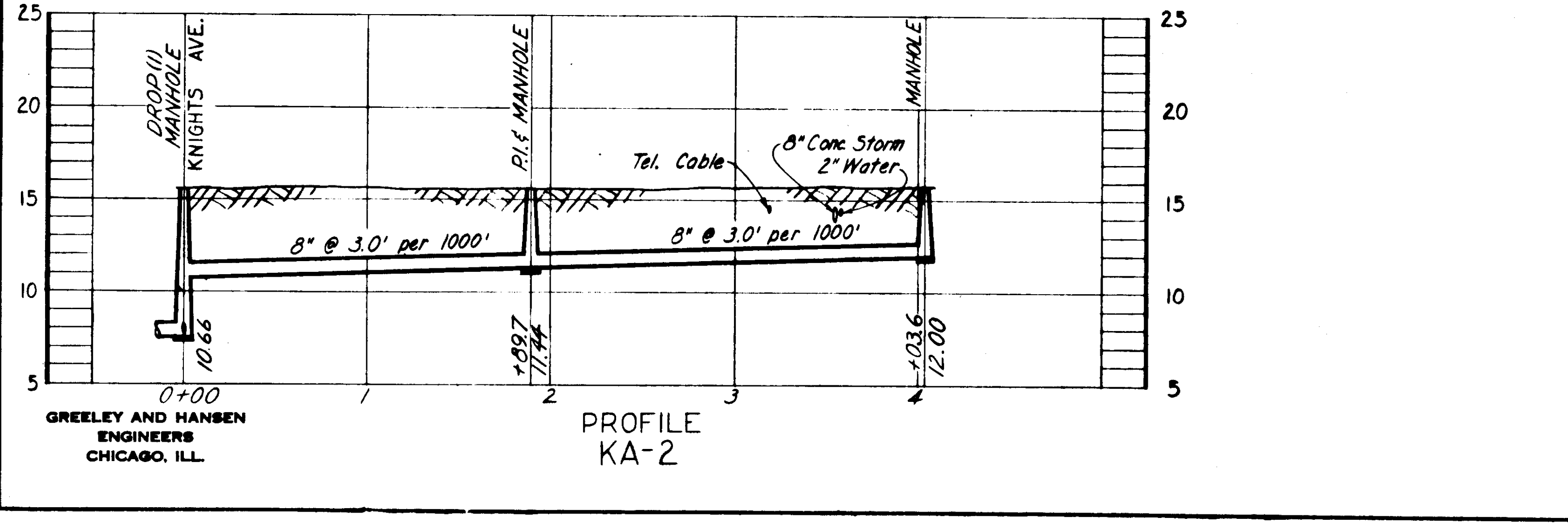
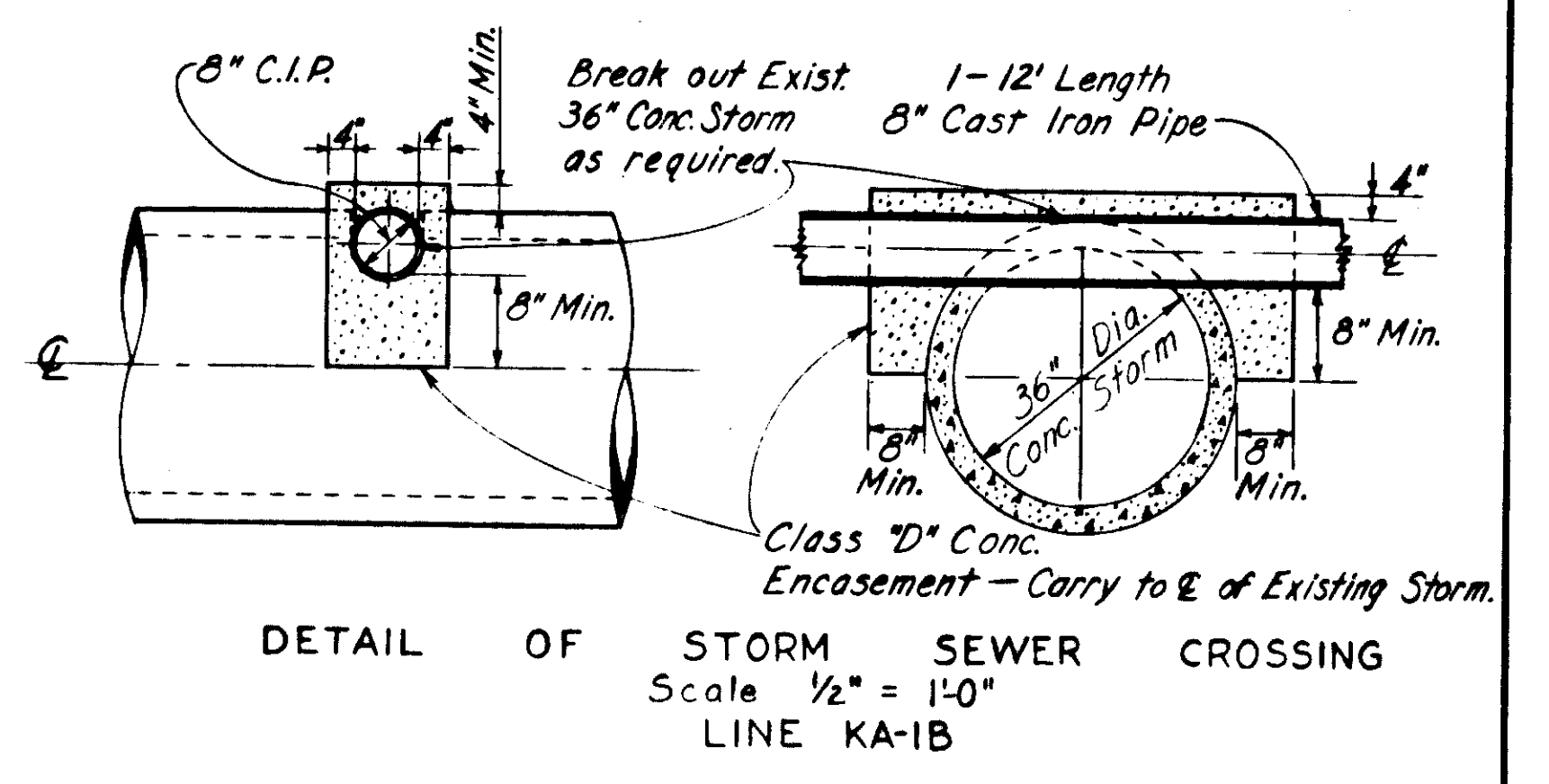
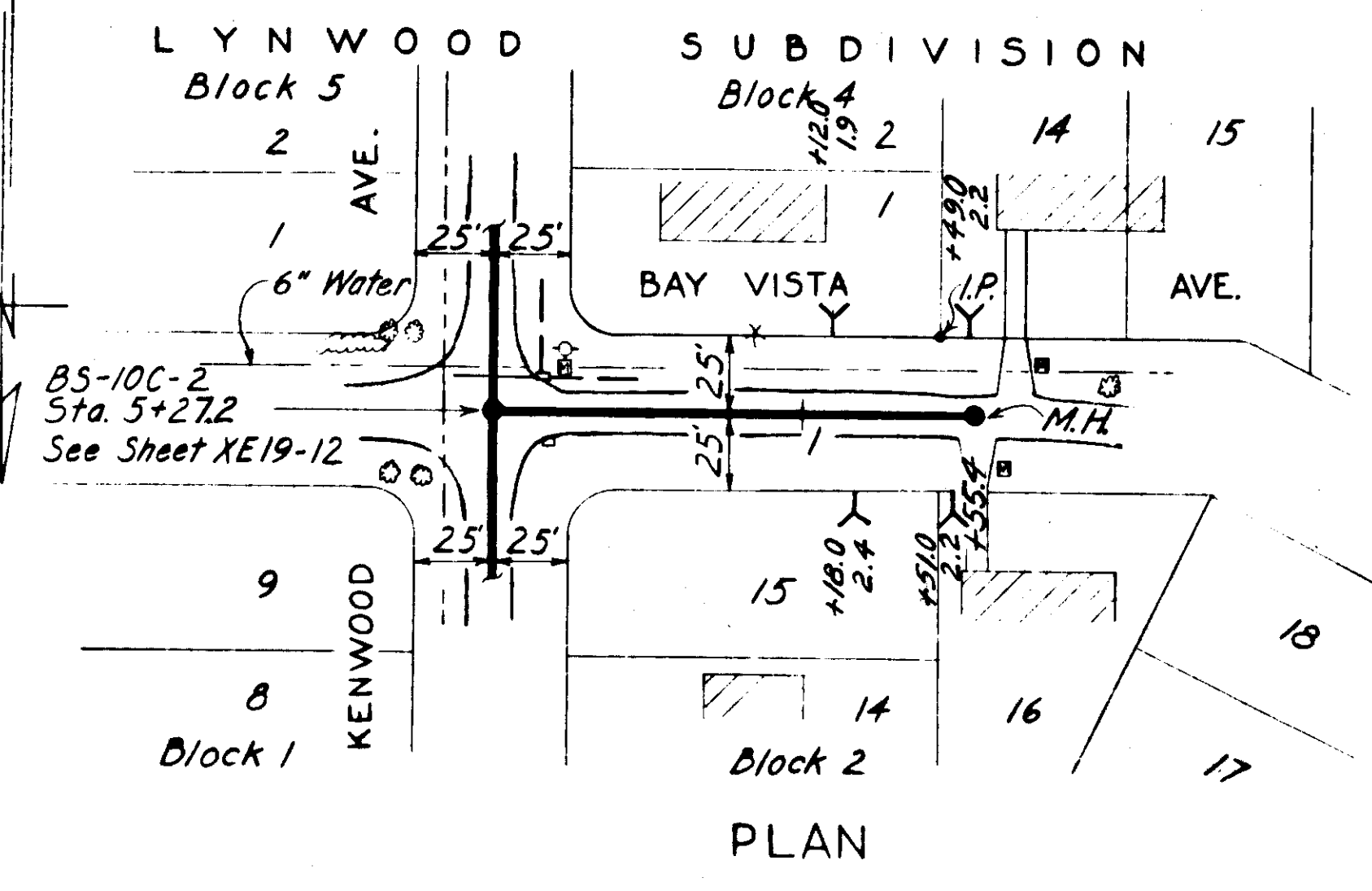
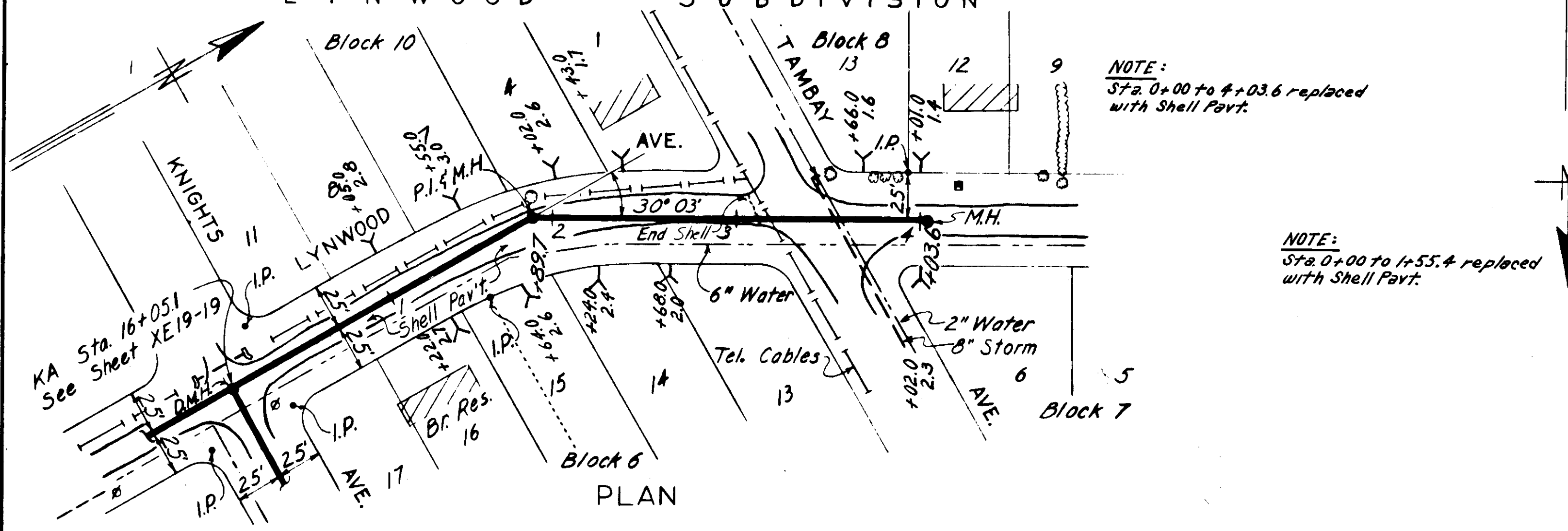
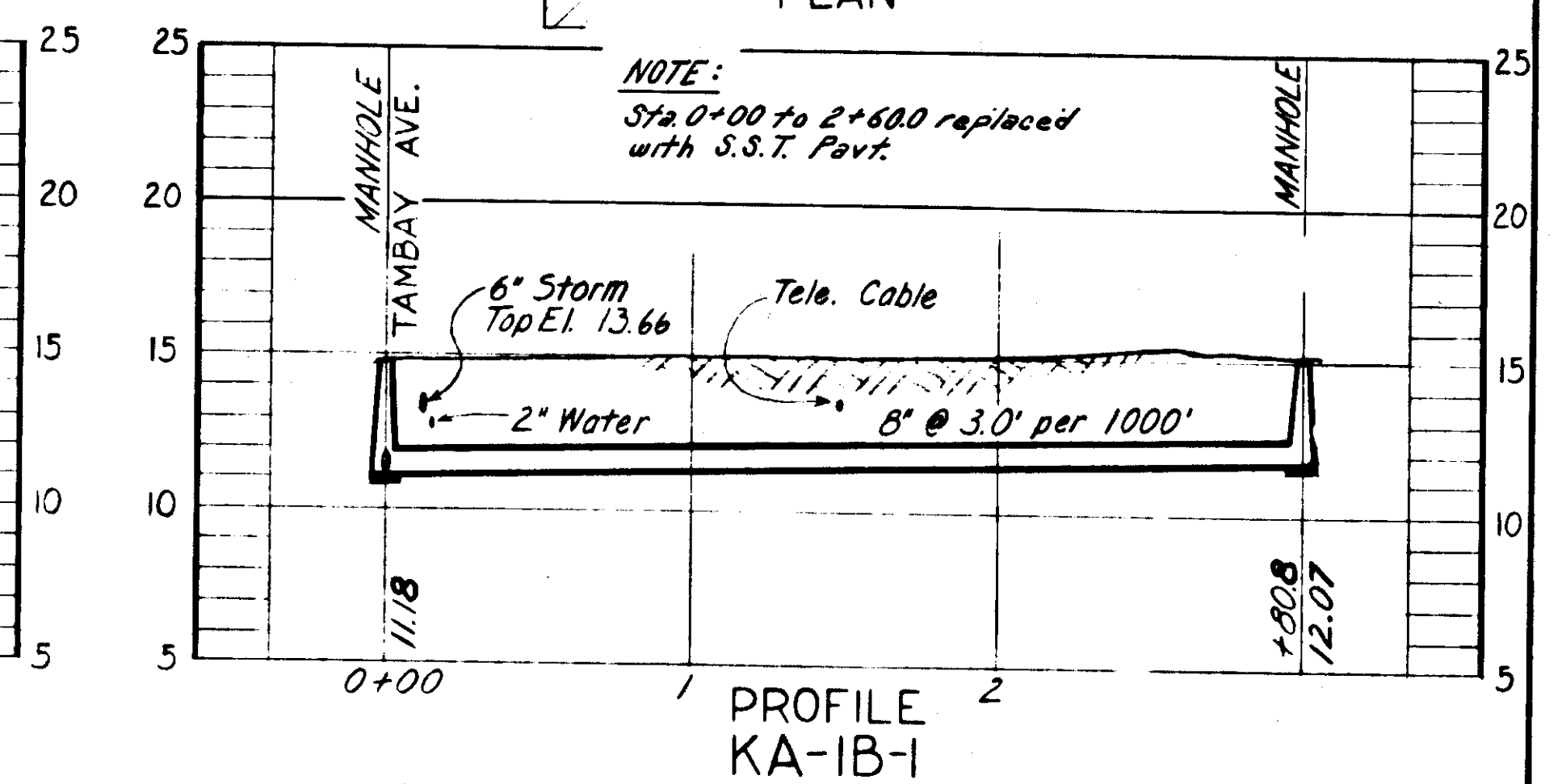
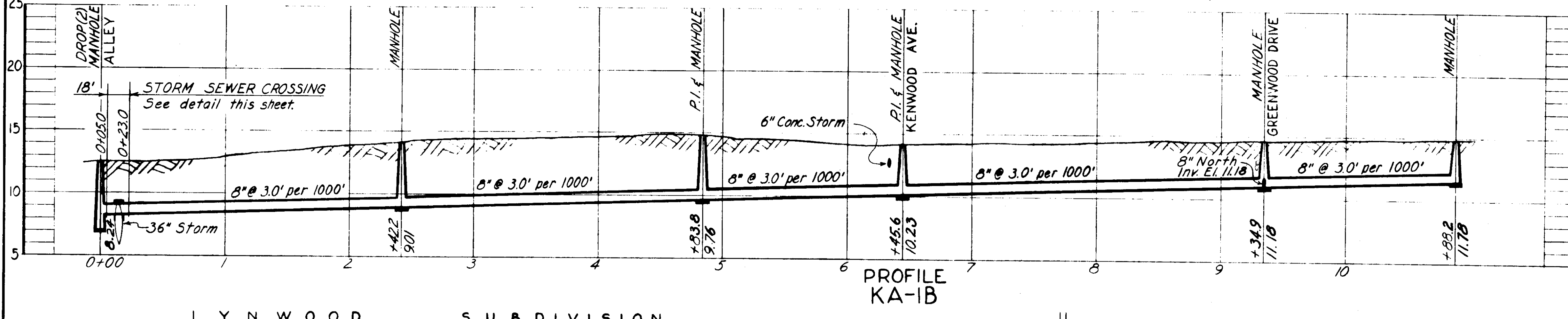
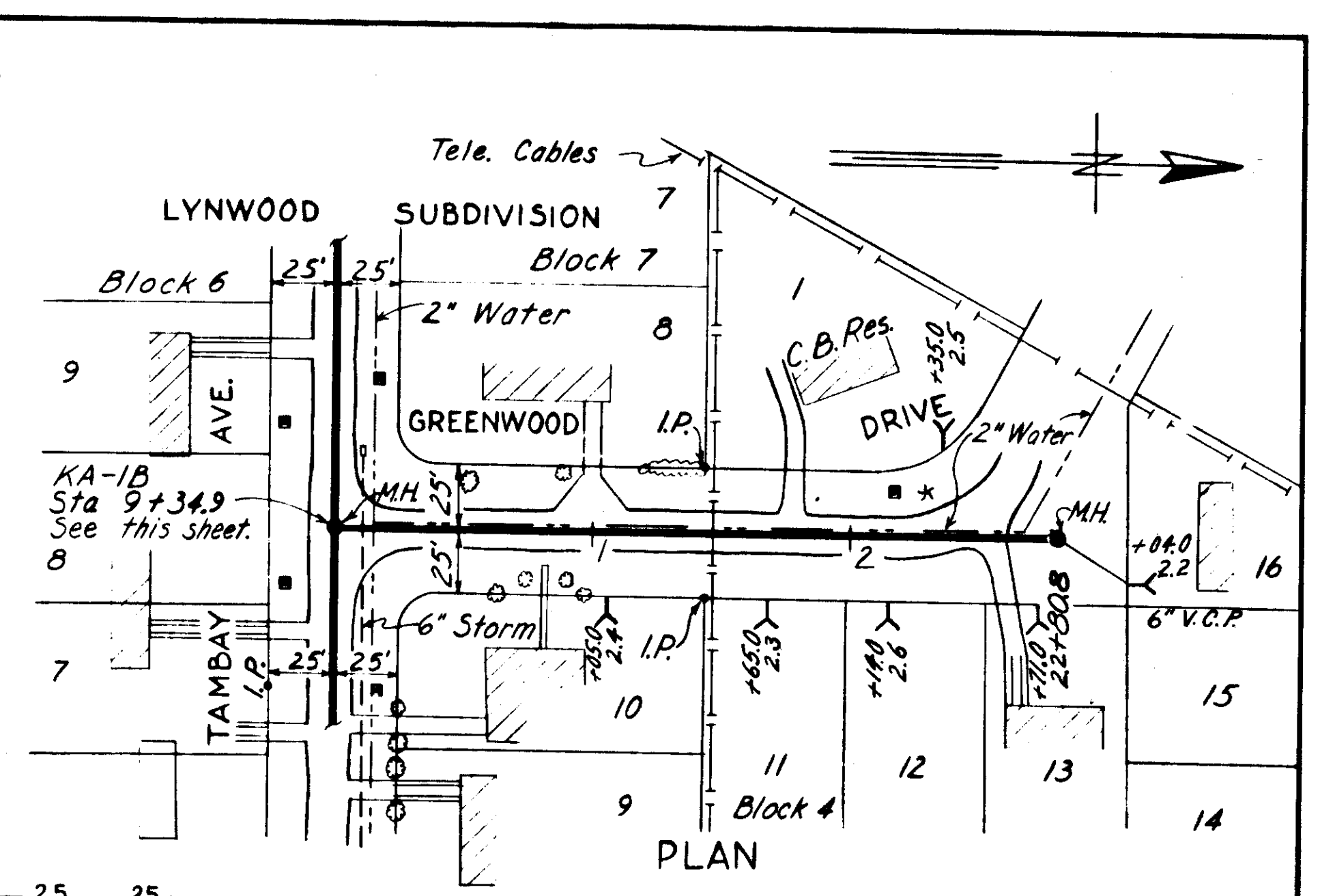
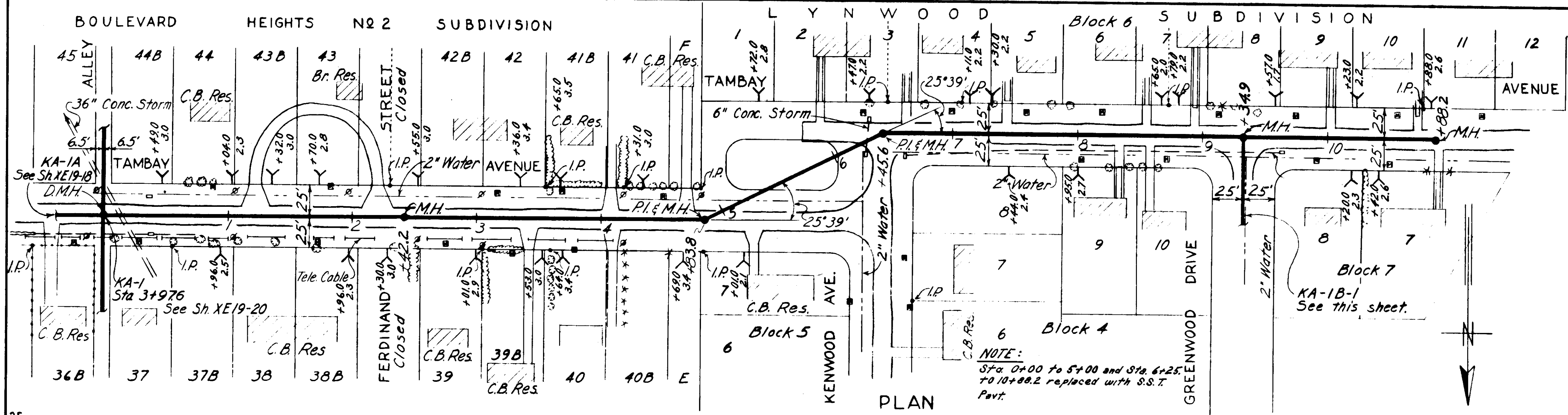
DES. E.E.S.
 DR. G.A.O.
 CKD. F.F.E.
 DATE: JUNE 1955

SCALE
 50 0 50 100 150'

SHEET
 XE19-20
 OF 23

-AS-BUILT PLAN-
 Revised to show actual conditions according to construction records as of 12-21-56 (U.R.P. 1-10-57)

As-Built 68-20



NOTES:
 1. All pavement shown on this sheet is single surface treated, except as otherwise noted.
 2. All houses shown on this sheet are of frame construction except as otherwise noted.
AS BUILT PLAN
 Reused to show actual conditions according to construction records as of 12-12-56. (S.S.H.-1-11-57)

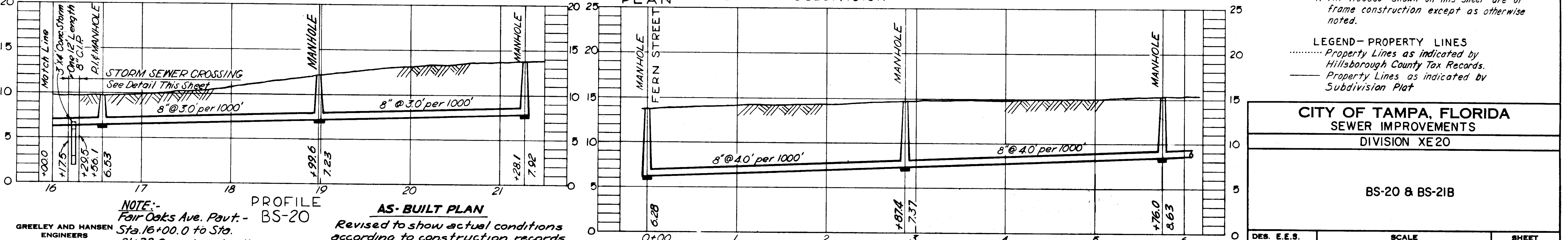
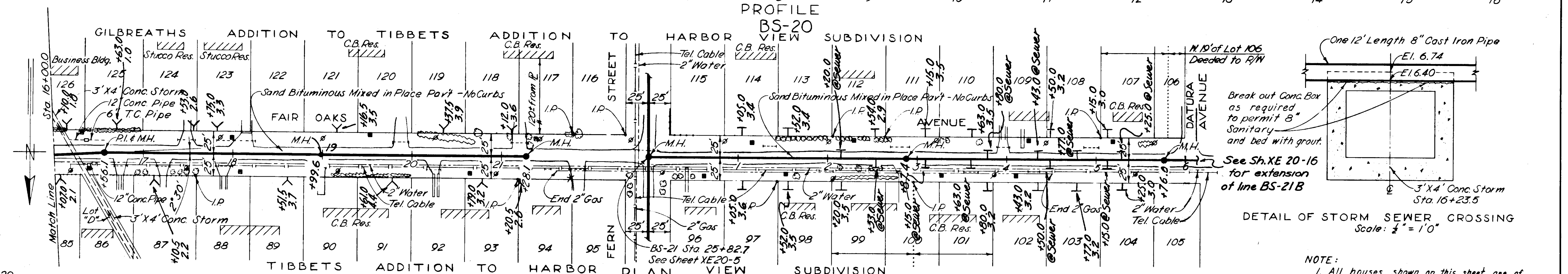
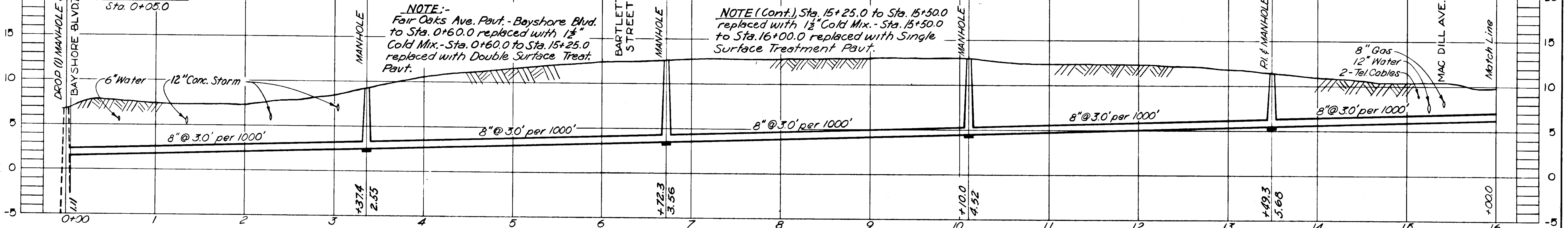
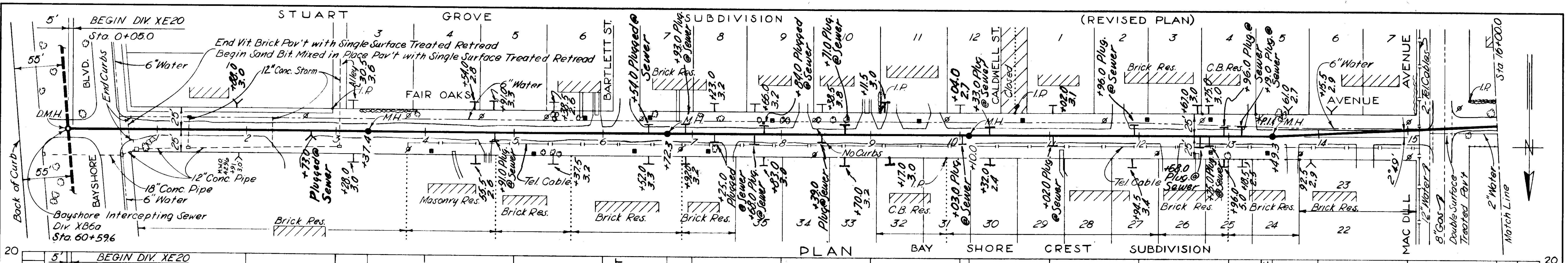
CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE19

BS-10C-2A, KA-IB, KA-IB-1 & KA-2

DES. E.E.S.
 DR. G.A.O.
 CKD. F.F.E.
 DATE: JUNE 1955

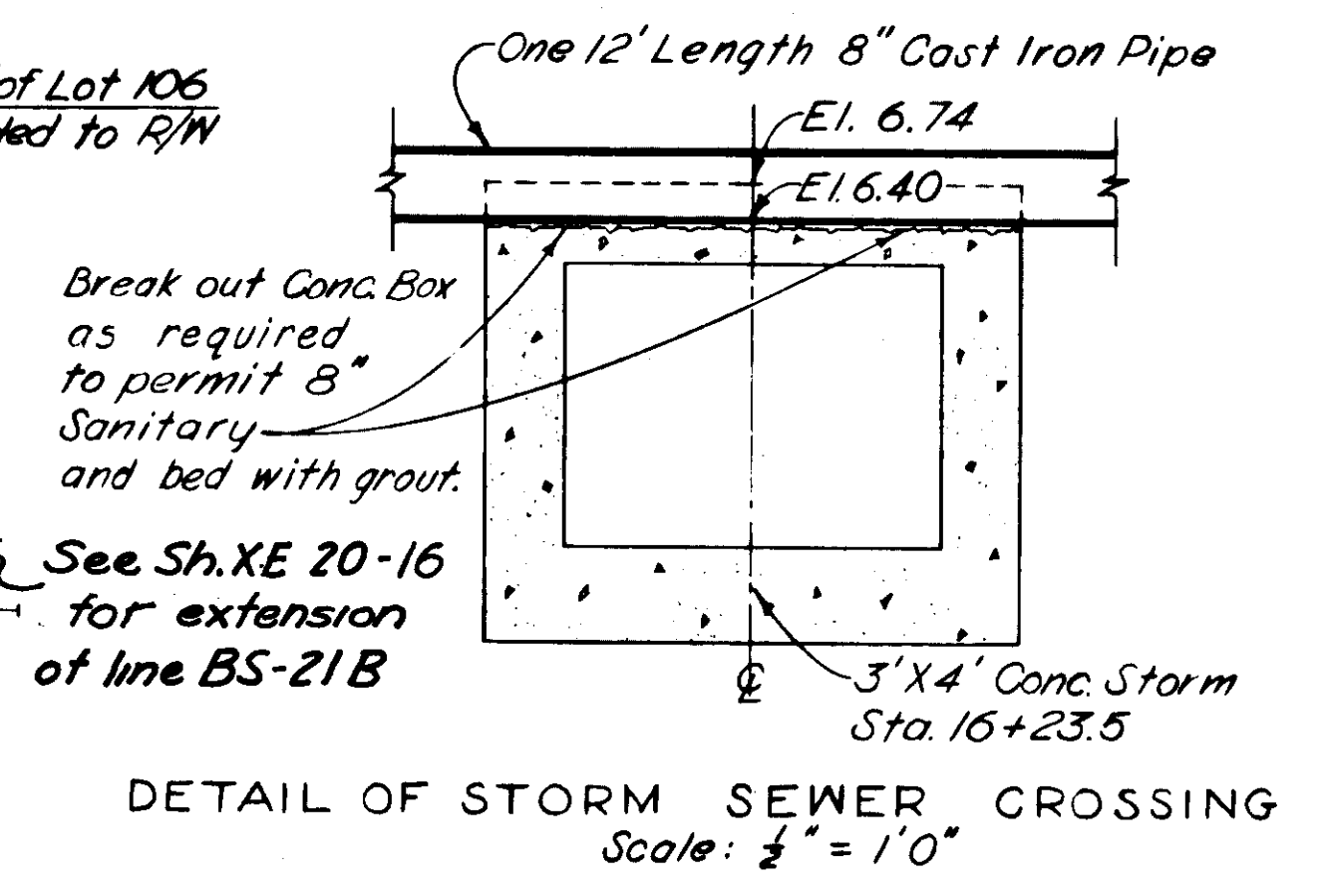
SCALE
 0 50 100
 1" = 50'

SHEET
XE19-21
 OF 23



NOTE:-
 Fair Oaks Ave. Pavt. - Bayshore Blvd. to Sta. 0+60.0 replaced with 12" Cold Mix. - Sta. 0+60.0 to Sta. 15+25.0 replaced with Double Surface Treat. Pavt.
 NOTE (Cont.) Sta. 15+25.0 to Sta. 15+50.0 replaced with 12" Cold Mix. - Sta. 15+50.0 to Sta. 16+00.0 replaced with Single Surface Treatment Pavt.

NOTE:-
 Fair Oaks Ave. Pavt. - Fern St. to Datura St. replaced with Single Surface Treatment Pavt.



NOTE:
 1. All houses shown on this sheet are of frame construction except as otherwise noted.

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 XE 20

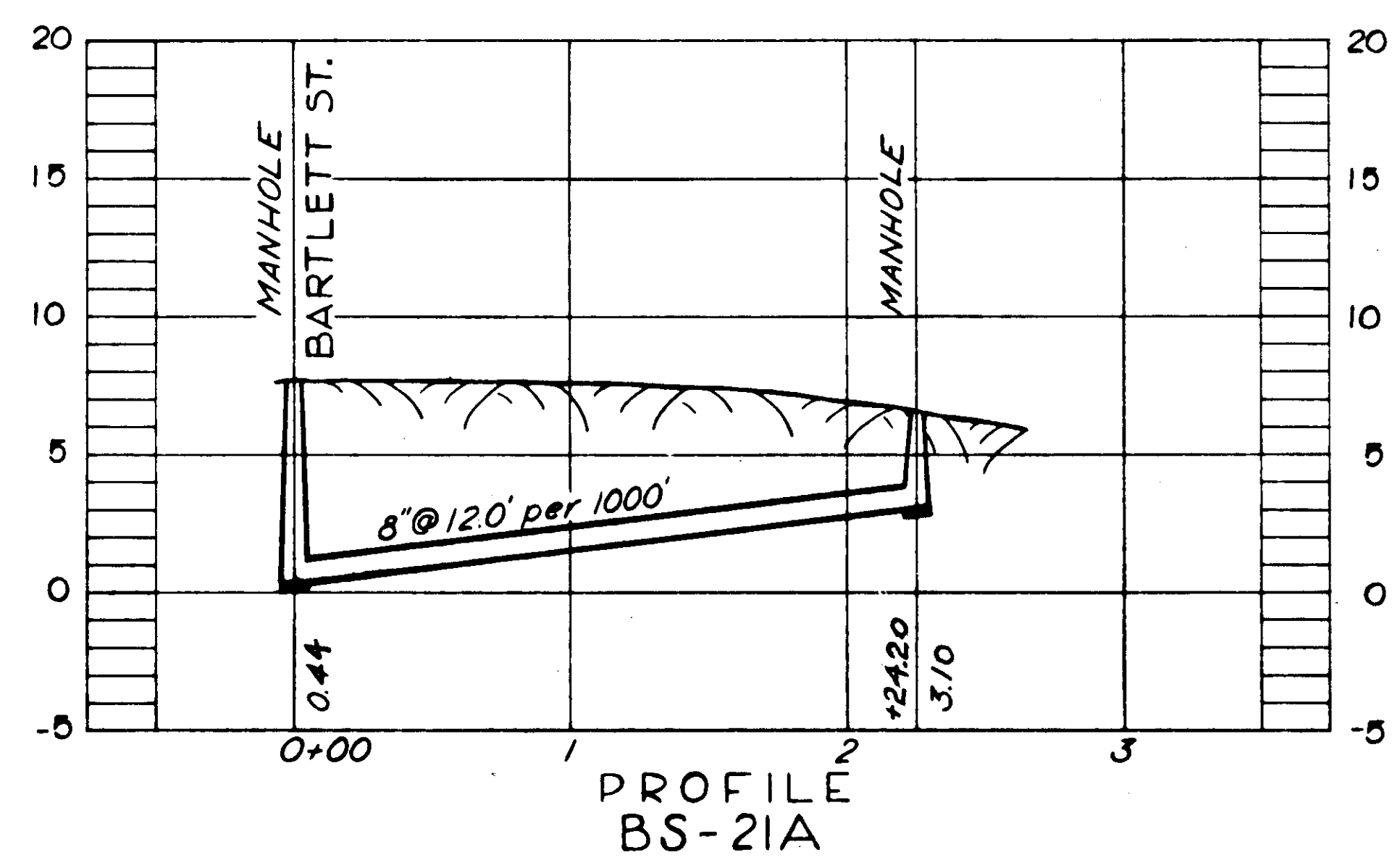
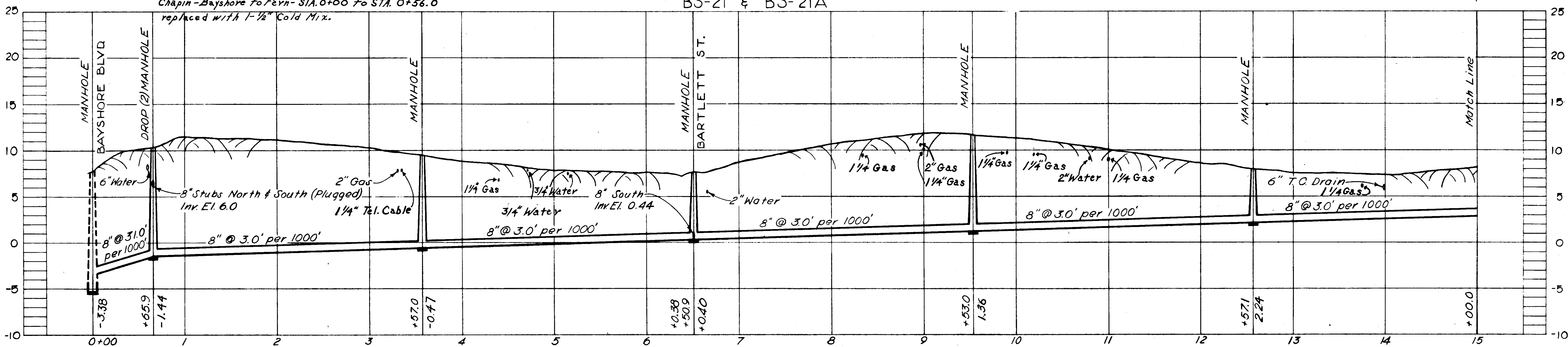
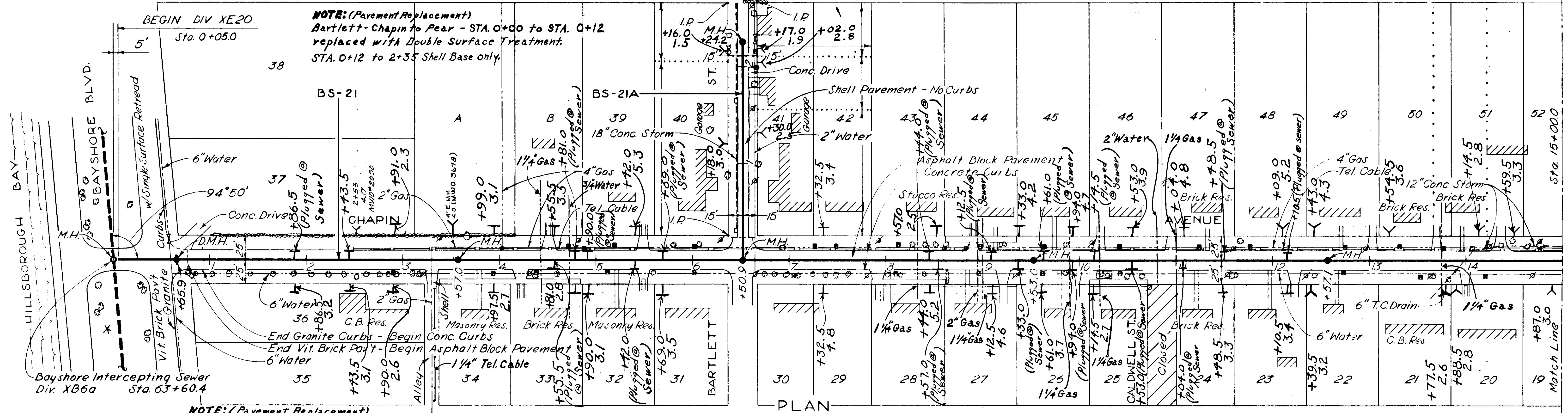
BS-20 & BS-21B

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

SCALE
 0 50 100
 EXCEPT AS NOTED

SHEET
 XE20-3
 OF 19

STUART GROVE SUBDIVISION (REVISED)



NOTE: (Pavement Replacement)
 Chapin-Bayshore to Fern - STA. 0+56.0 to STA. 15+60.0 replaced with JS Treatment.

- NOTES:**
1. All walks & drives are concrete, unless noted otherwise.
 2. All bldgs. frame, unless noted otherwise.
 3. . . . Property Lines as indicated by Hillsborough County Tax Records.

CITY OF TAMPA, FLORIDA
 SEWER IMPROVEMENTS
 DIVISION XE20

BS-21
 STA. 0+05.0 TO STA. 15+00
 & BS-21A

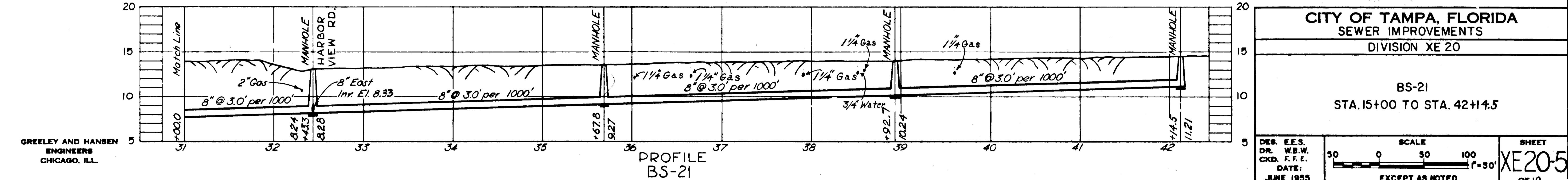
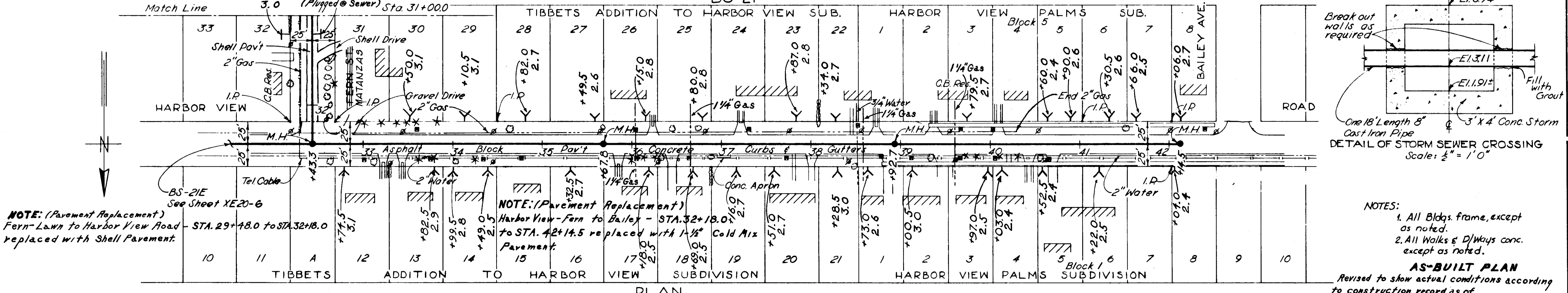
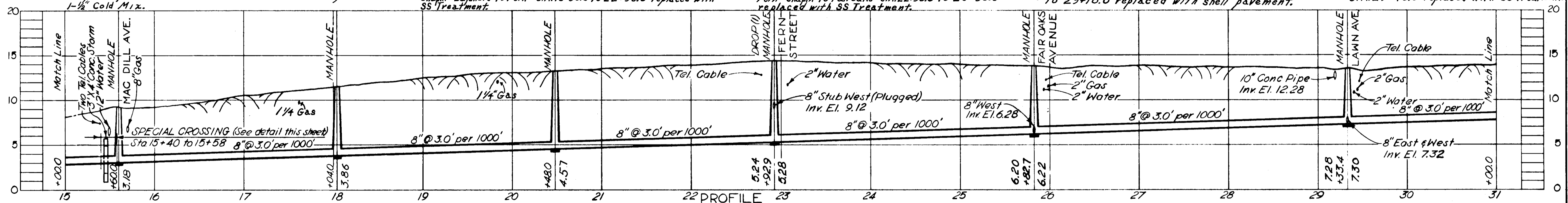
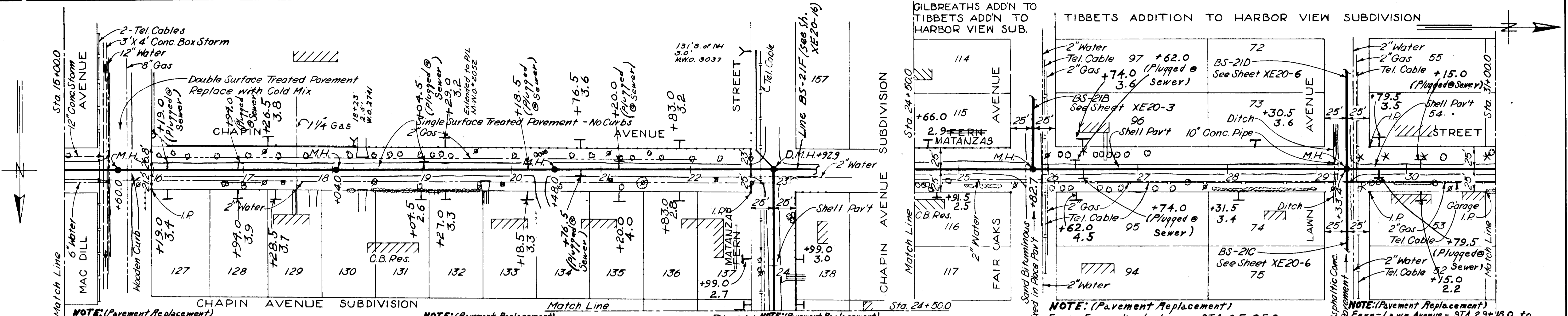
DES. E.E.S.
DR. W.B.W.
CKD. F.F.C.
 DATE: JUNE 1955

SCALE
 1" = 50'

SHEET
 XE20-4
 OF 19

-AS-BUILT PLAN-

Revised to show actual conditions according to construction record as of (R.E.S. 7-11-56)



GREELEY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.

CITY OF TAMPA, FLORIDA
SEWER IMPROVEMENTS
 DIVISION XE 20

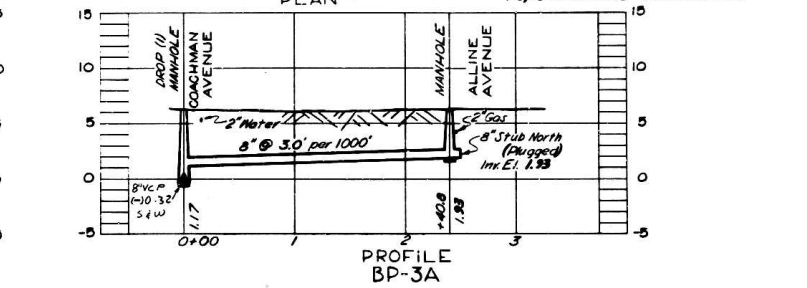
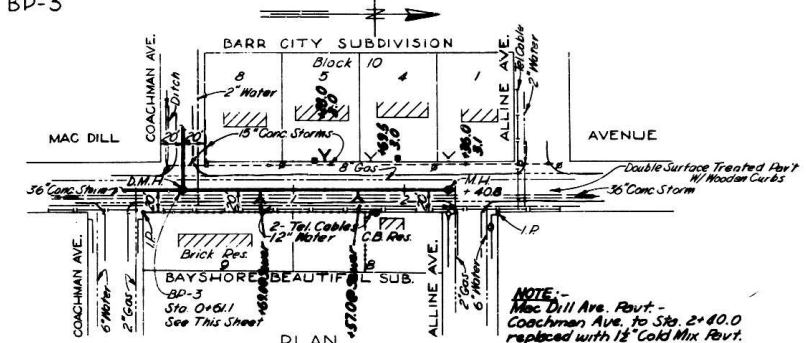
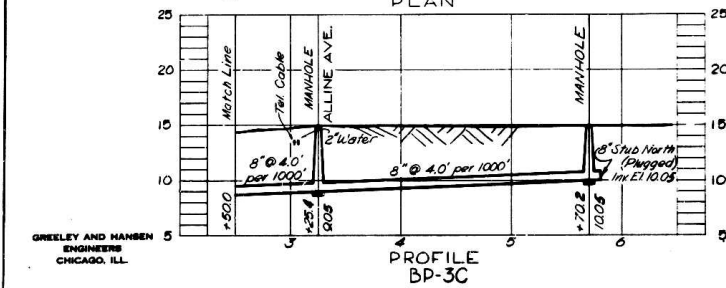
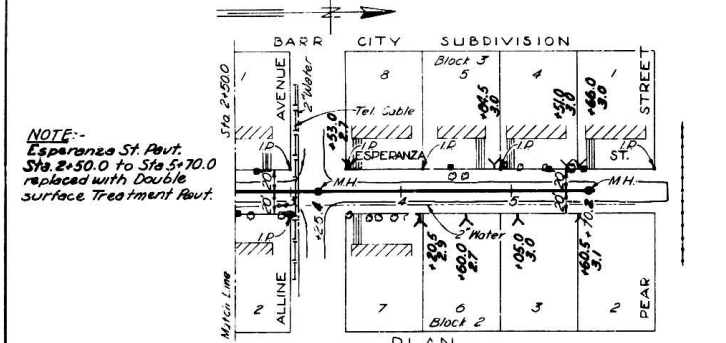
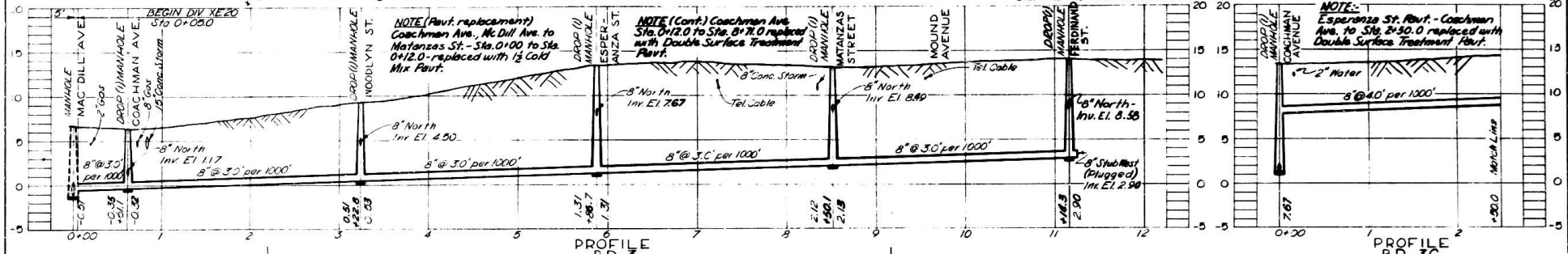
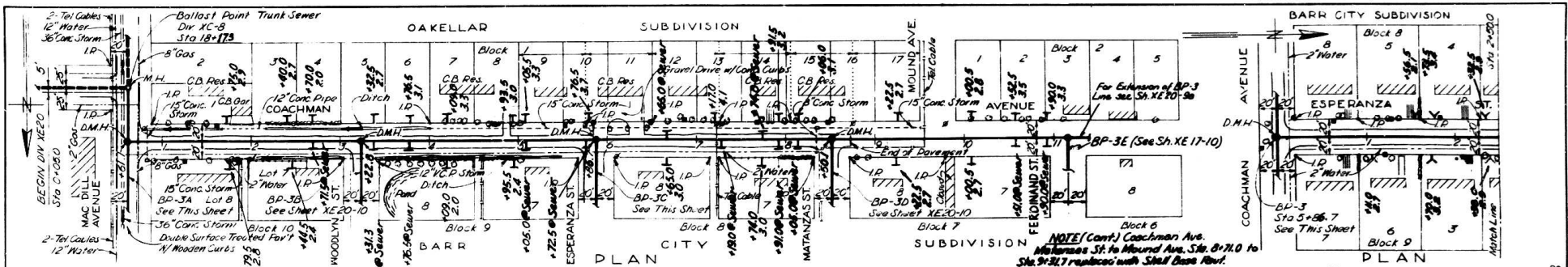
BS-21
 STA. 15+00 TO STA. 42+4.5

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

SCALE
 1" = 30'
 EXCEPT AS NOTED

SHEET
 XE20-5
 OF 19

As-Built 69-5



- NOTES: (See Pavt. Replacement Notes)**
- All Pavement shown on this sheet is Single Surface Treated with no Curbs except on Mac Dill Avenue, which is Double Surface Treated with Wooden Curbs.
 - All houses shown on this sheet are of frame construction unless otherwise noted.

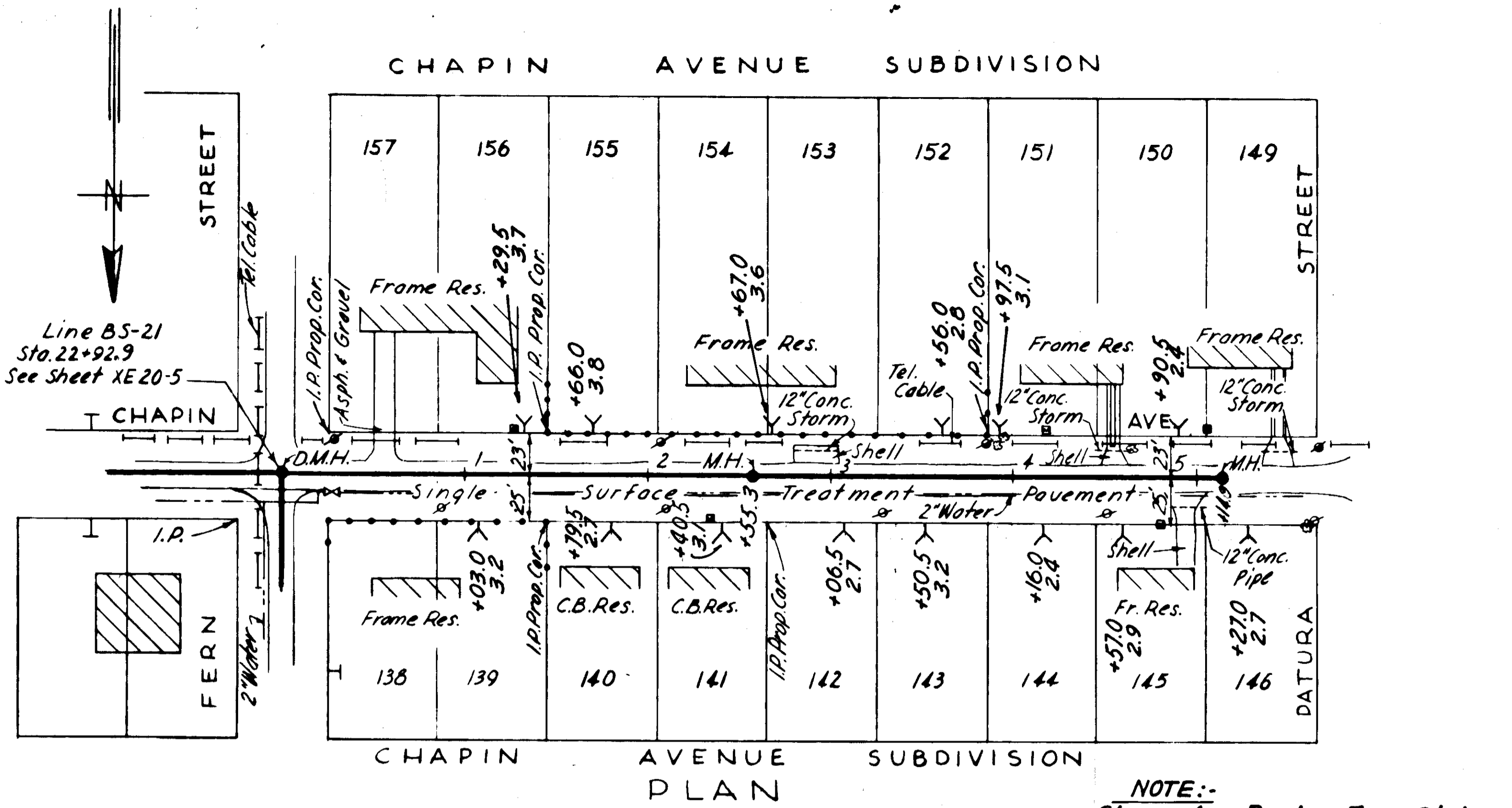
LEGEND - PROPERTY LINES

- Property Lines as indicated by Hillsborough County Tax Records
- Property Lines as indicated by Subdivision Plat

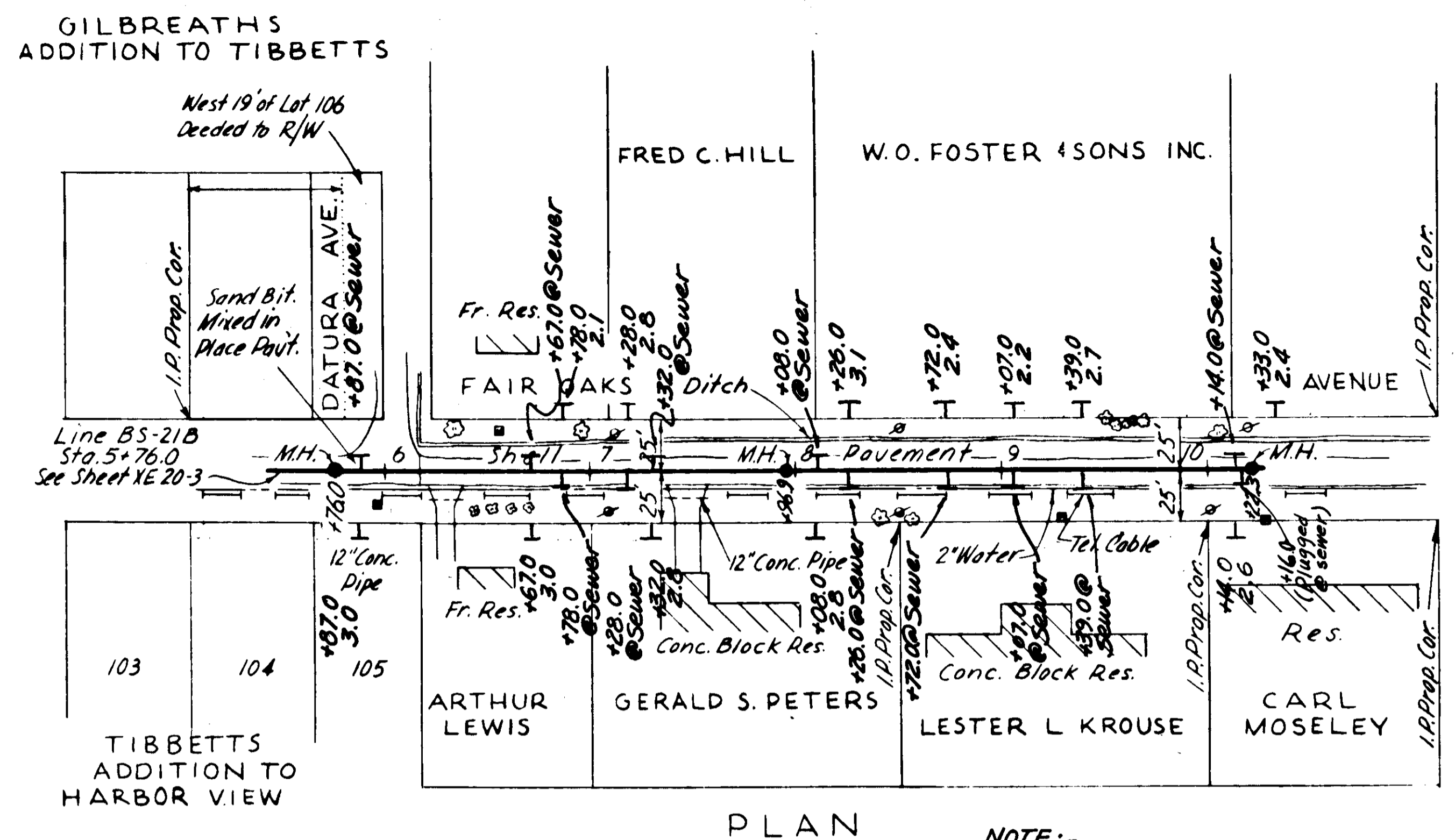
AS-BUILT PLAN
 Revised to show actual conditions according to construction records as of (R.V.J. 7-30-56)

CITY OF TAMPA, FLORIDA		
DIVISION XE20		
BP-3, BP-3A & BP-3C		
DES. E.E.S. DR. W.W.W. CKD. F.F.E. DATE: JUNE 1955	SCALE 1"=50' 	SHEET XE20-9 OF 18

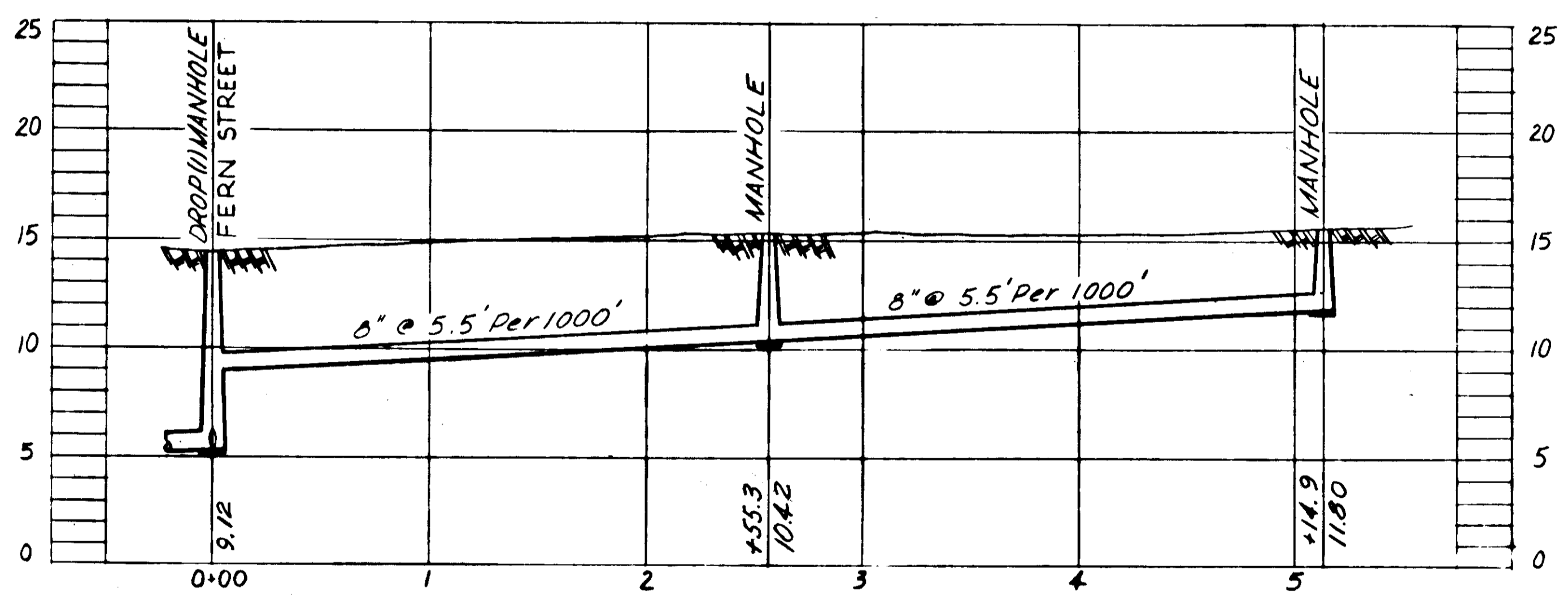
As-built 69-9



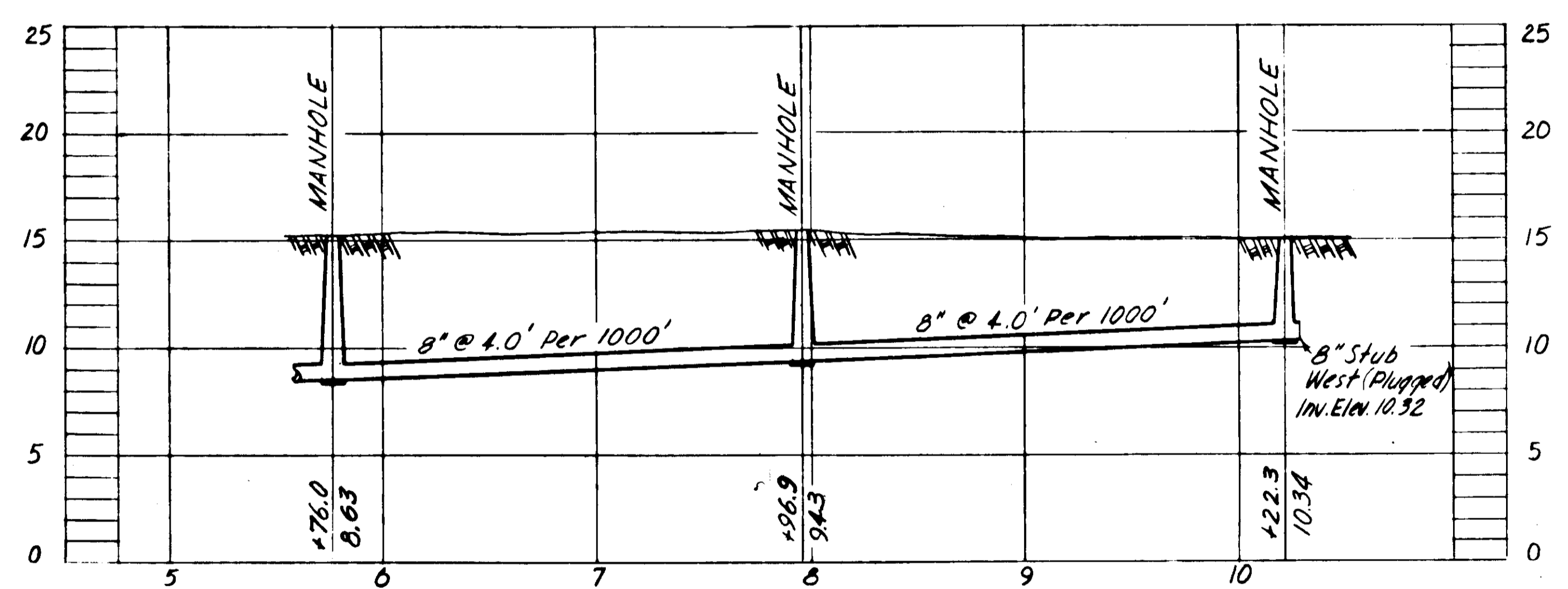
NOTE:-
 Chapin Ave. Pavt. - Fern St. to Sta. 5+14.0 replaced with Single Surface Treatment Pavt.



NOTE:-
 Fair Oaks Ave. Pavt. - Datura Ave to Sta. 10+22.3 replaced with Shell Pavt.



PROFILE BS-21F



PROFILE BS-21B

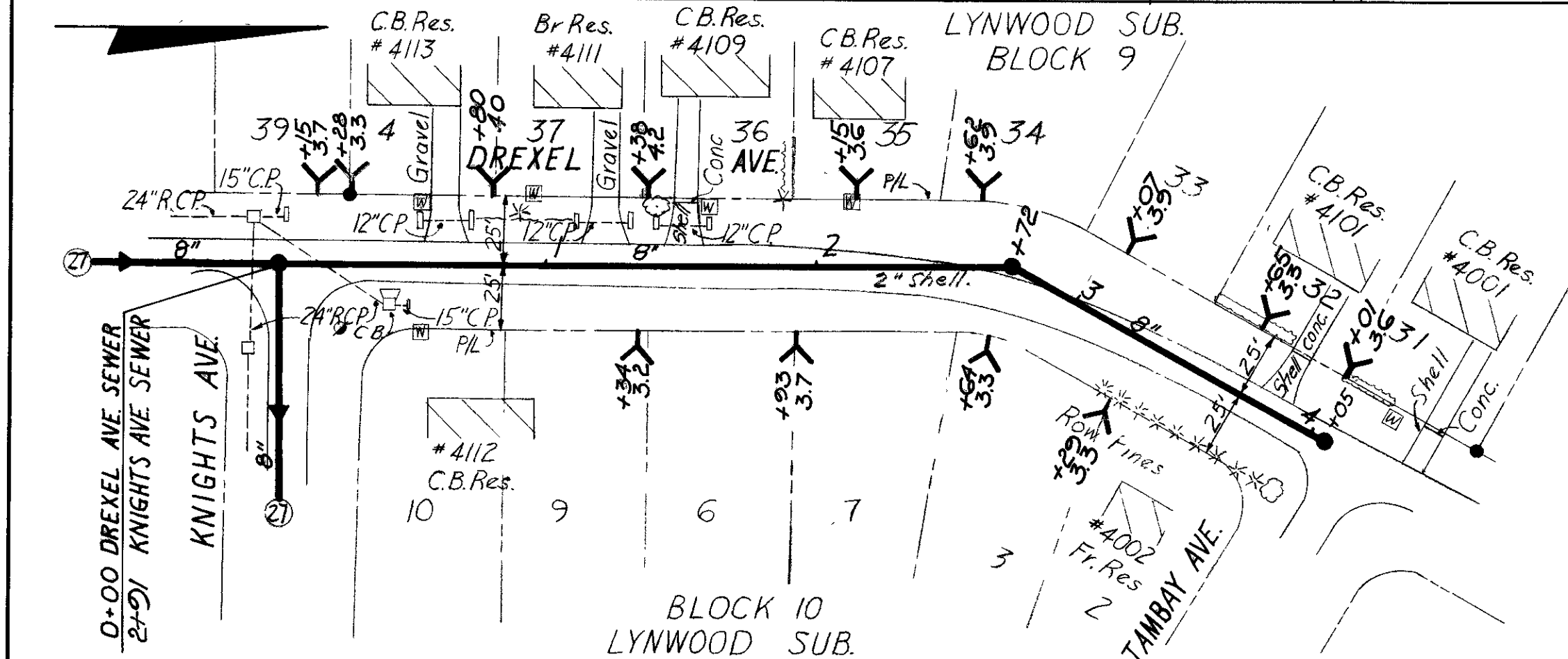
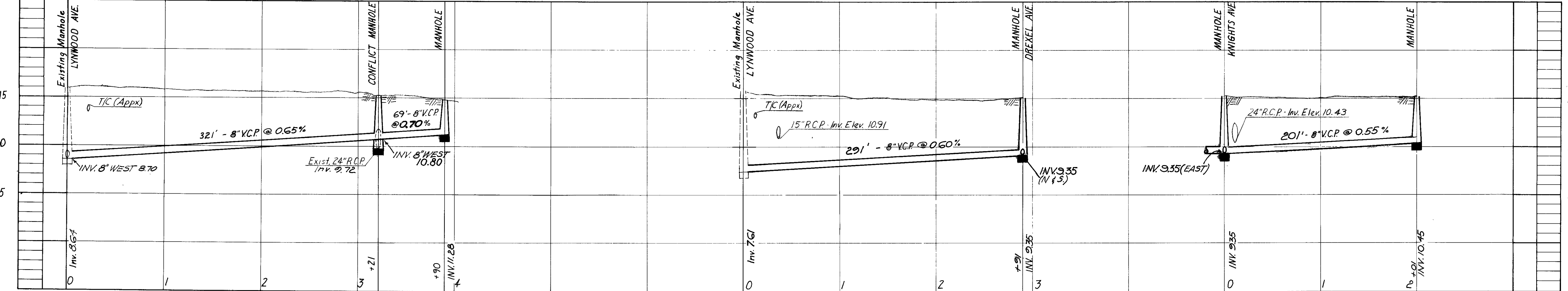
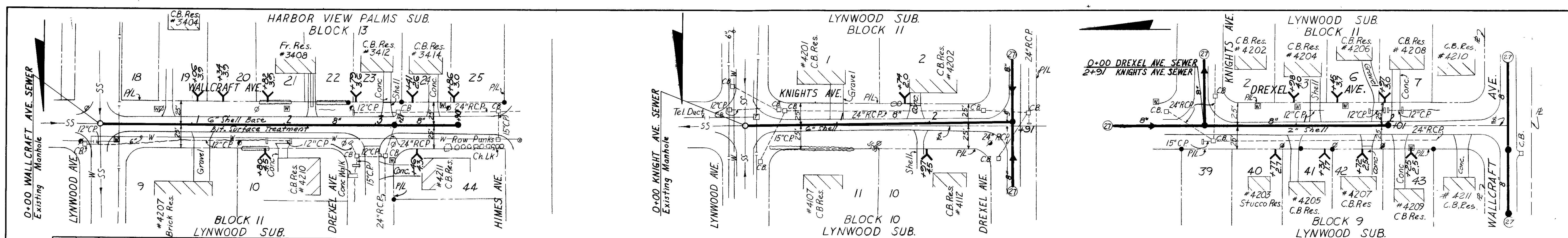
NOTE: Line BS-21B as shown hereon is an extension of Line BS-21B as shown on sheet XE20-3 of the Contract Plans.

AS-BUILT PLAN

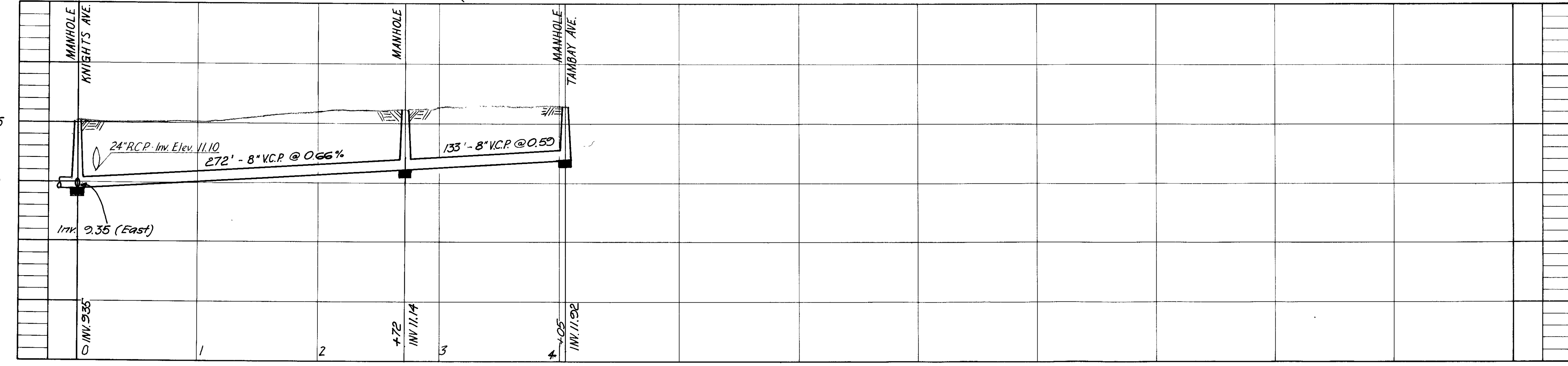
Revised to show actual conditions according to construction records as of (P.I.J. 8-9-56)

CITY OF TAMPA, FLORIDA		
SEWER IMPROVEMENTS		
DIVISION XE20		
BS-21F & BS-21B This drawing in accordance with XE20-SD2		
DES. M.R. DR. M.R. CKD. R.E.F. DATE: MAY 3 1956	SCALE 50 0 50 100 1" = 50'	SHEET XE20-16 OF 19

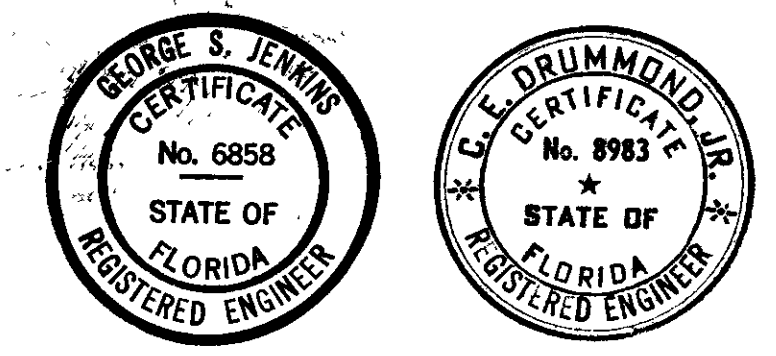
GREELY AND HANSEN
 ENGINEERS
 CHICAGO, ILL.



B.M. XE 19-KA
 □ Cut on Top Curb N.W. Corner
 Lynwood Ave. & Harbor View Rd.
 Elev. 15.628



AS-BUILT PLAN
 REVISED TO SHOW ACTUAL CONDITIONS
 ACCORDING TO CONSTRUCTION RECORDS
 AS OF Aug. 12, 1964 PER H.K.



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

WALLCRAFT AVE.- LYNWOOD AVE. TO 390' W.
 KNIGHTS AVE.- LYNWOOD AVE. TO DREXEL AVE.
 DREXEL AVE.- KNIGHTS AVE. TO 201' S.
 DREXEL AVE.- KNIGHTS AVE. TO TAMBAY AVE.

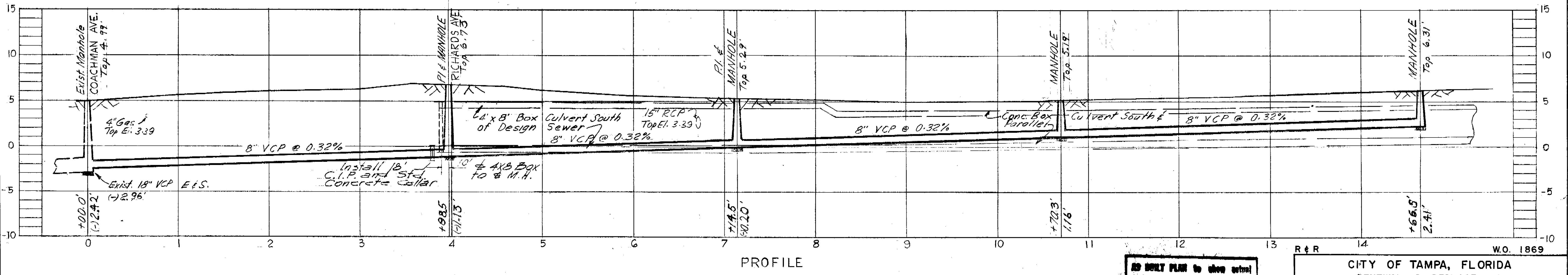
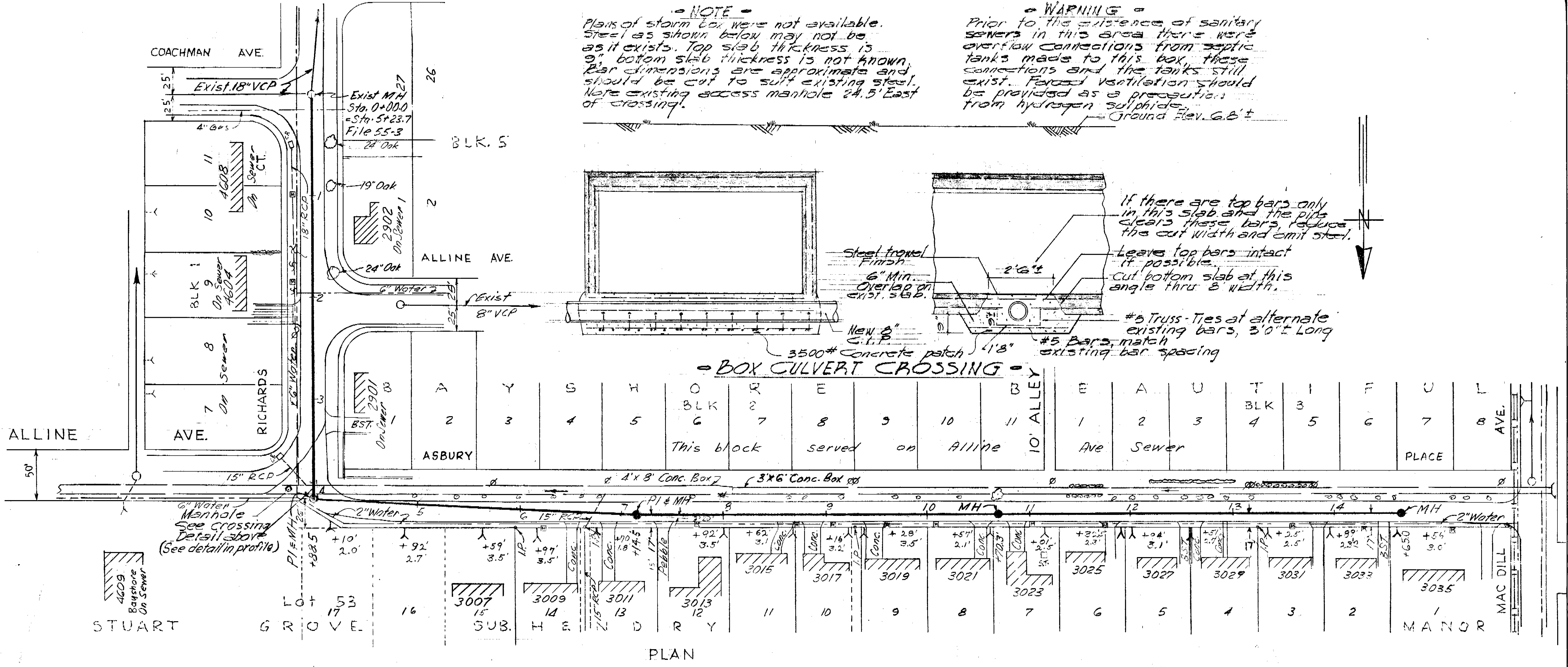
J.E. GREINER COMPANY - WIEDEMAN & SINGLETON ENGINEERS
 CONSULTING ENGINEERS ASSOCIATE ENGINEERS
 TAMPA, FLORIDA ATLANTA, GEORGIA

DES. L.P.H.
 DRN. D.H.
 CKD. L.P.H.
 SCALE 1\"/>

As-Built 95-27

NOTE
 Plans of storm box were not available. Steel as shown below may not be as it exists. Top slab thickness is 9" bottom slab thickness is not known. Bar dimensions are approximate and should be cut to suit existing steel. Note existing access manhole 24.5' East of crossing.

WARNING
 Prior to the existence of sanitary sewers in this area there were overflow connections from septic tanks made to this box. These connections and the tanks still exist. Forced ventilation should be provided as a precaution from hydrogen sulphide.
 Ground Elev. 6.8'



Note:
 1. Prior to commencing construction, Box Crossing, the District Office of the Southwest Tampa Storm Sewer Drainage District shall be notified, and approval of the District's Engineer shall be secured before backfilling.
 2. B.M. A-969 Elev. 6.758
 ☐ Cut in center line of North concrete ribbon on driveway of #4613 Mac Dill Ave. more or less 50' South of Alline Ave. on West side of Mac Dill Ave.

AD BUILT PLAN to show actual conditions in accordance with contract and field check records.

SEWER LINE LOCATION	
SEC. MAP No.	LINE No.
L - 10	24

CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENTS

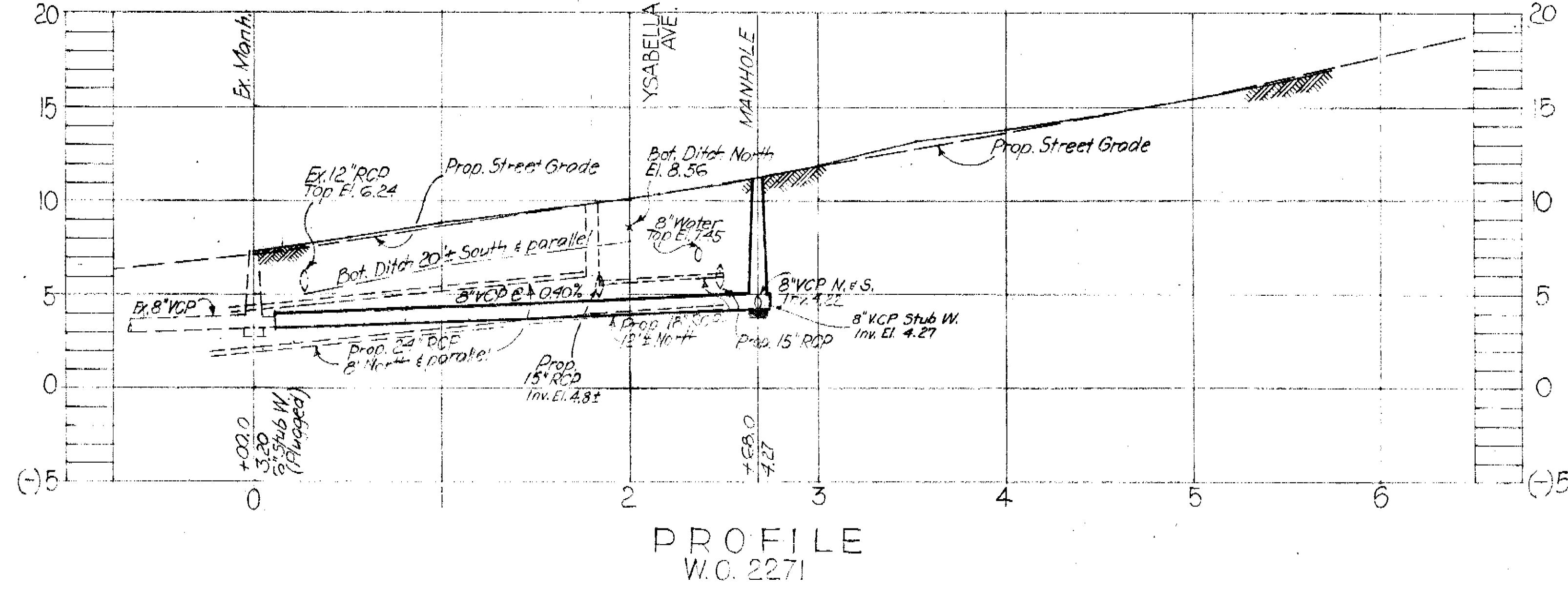
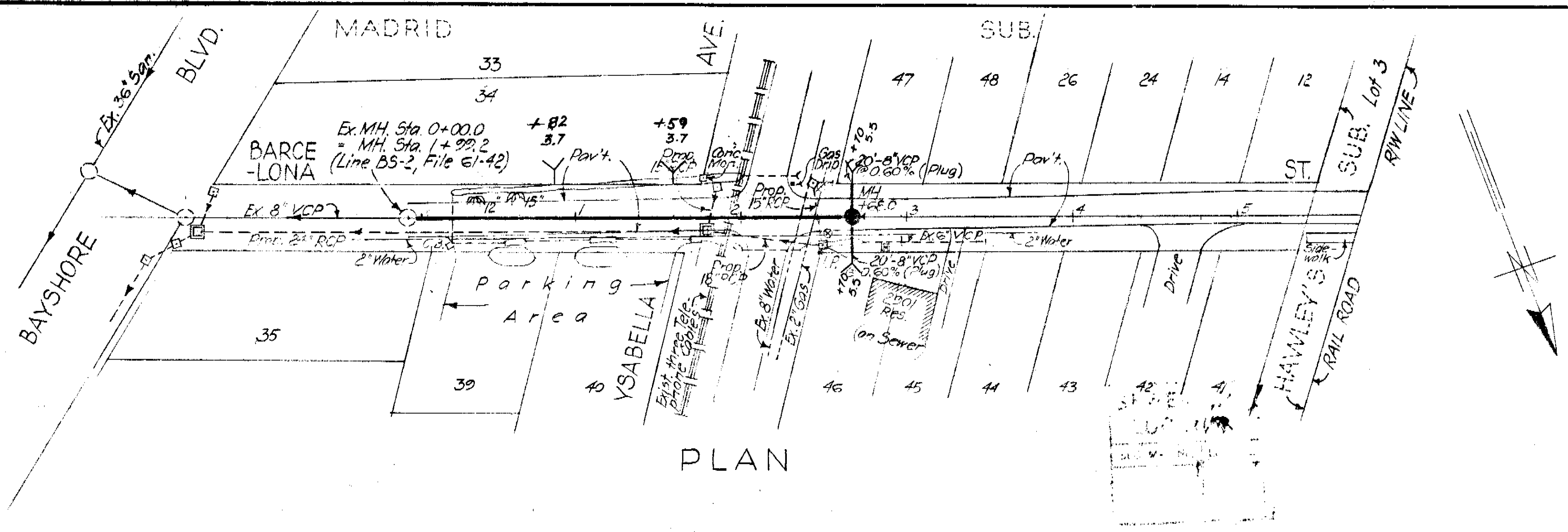
RICHARDS AVE.: Coachman Ave. to Asbury Pl.
 ASBURY PL.: Richards Ave. to Mac Dill Ave.

DES: JMR
 DRN: JMR
 CKD: HMS
 DATE: MAY 1970

SCALE: 1" = 50'

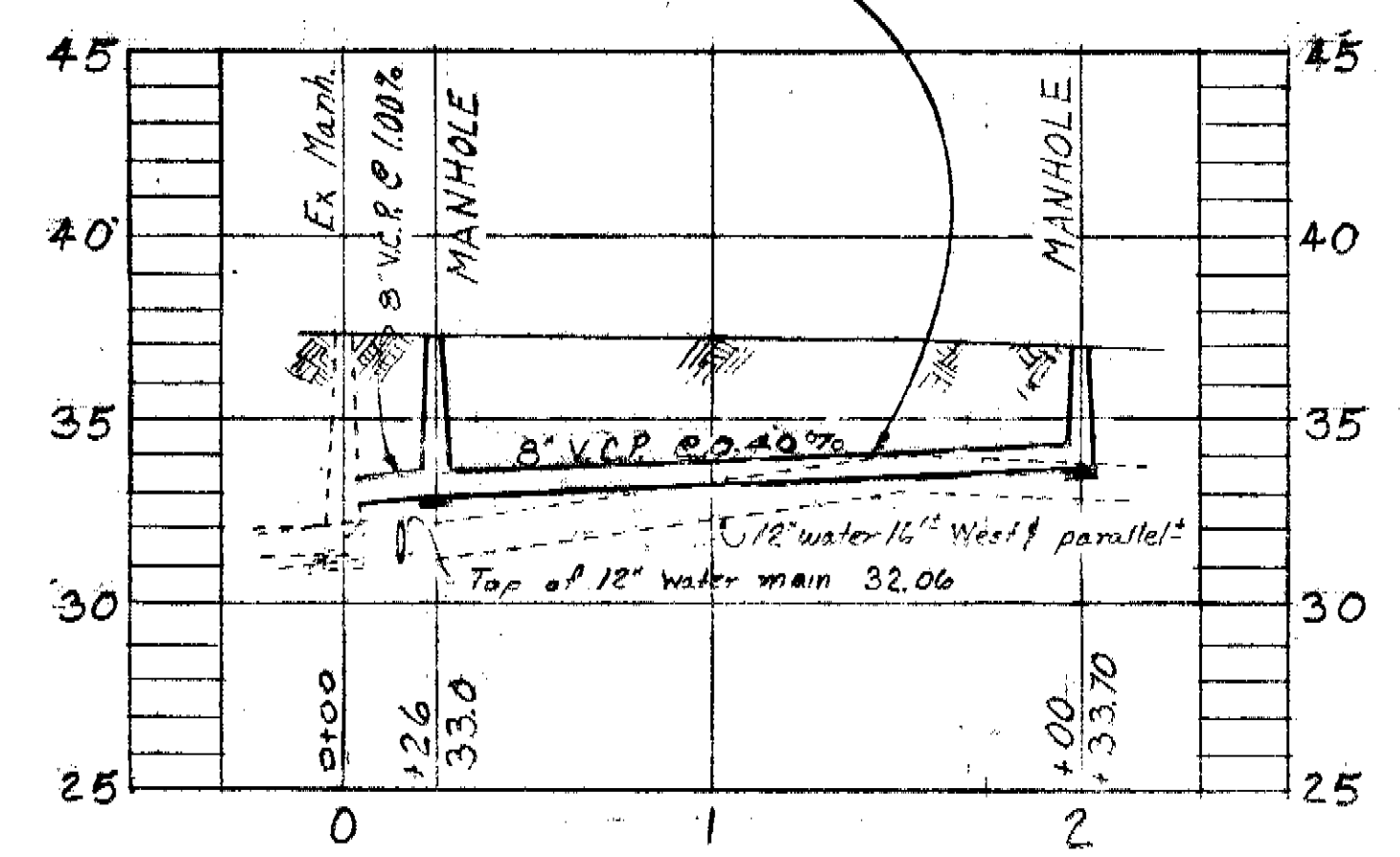
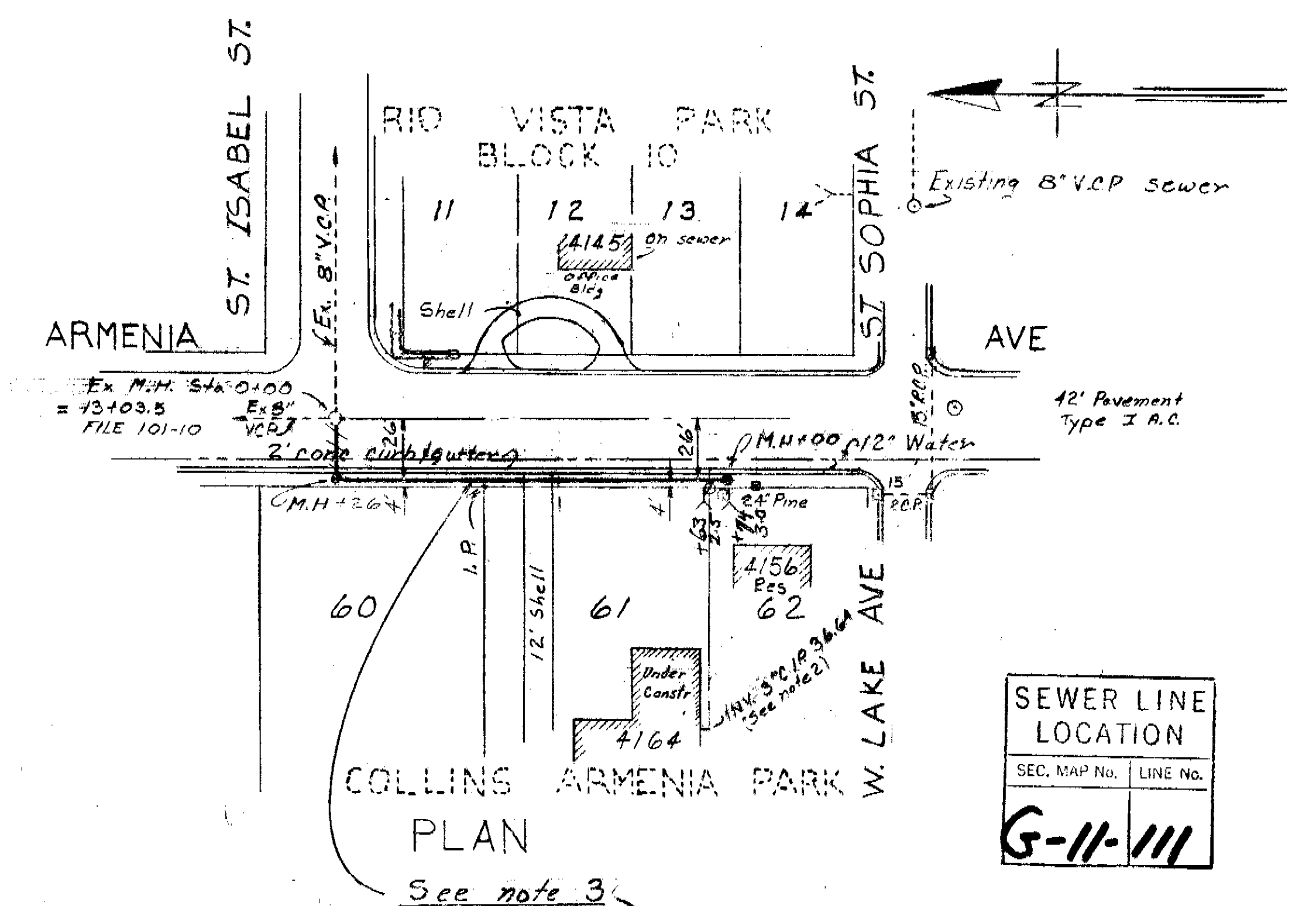
SHEET 5 OF 28

As-Built 119-35



- NOTES:**
- 1) Benchmark used:
City B.M. A-45, Elev 9.561
Top of Seawall along Bayshore Blvd 50' South of Barcelona Ave.
 - 2) DPW plans to repave Barcelona!
Before scheduling contact them to coordinate construction schedules
 - 3) If Stub West @ Sta 0+00.0 is 6", remove same and install 8" pipe
 - 4) Along Northside of Barcelona Ave. Ditches and 12" RCP alternating as shown in Plan.

SEWER LINE LOCATION
SEC. MAP No. **K-10-39** LINE No.



- NOTES:**
- 1) Benchmark used:
City B.M. A469, EL 36.117
Northeast cor. of sidewalk on East side Armenia 100' North of Woodlawn
 - 2) Contractor for 4164 Armenia Ave was informed that his connection at property line would be at invert elev 35.0.
 - 3) W.O. 2278 was not installed; in its place, a manhole was constructed around the house connection for lot 60 and the sewer laid south between curb and B for approx 175'
6-23-71 H.M.S.

W.O. 2278
W.O. 2271

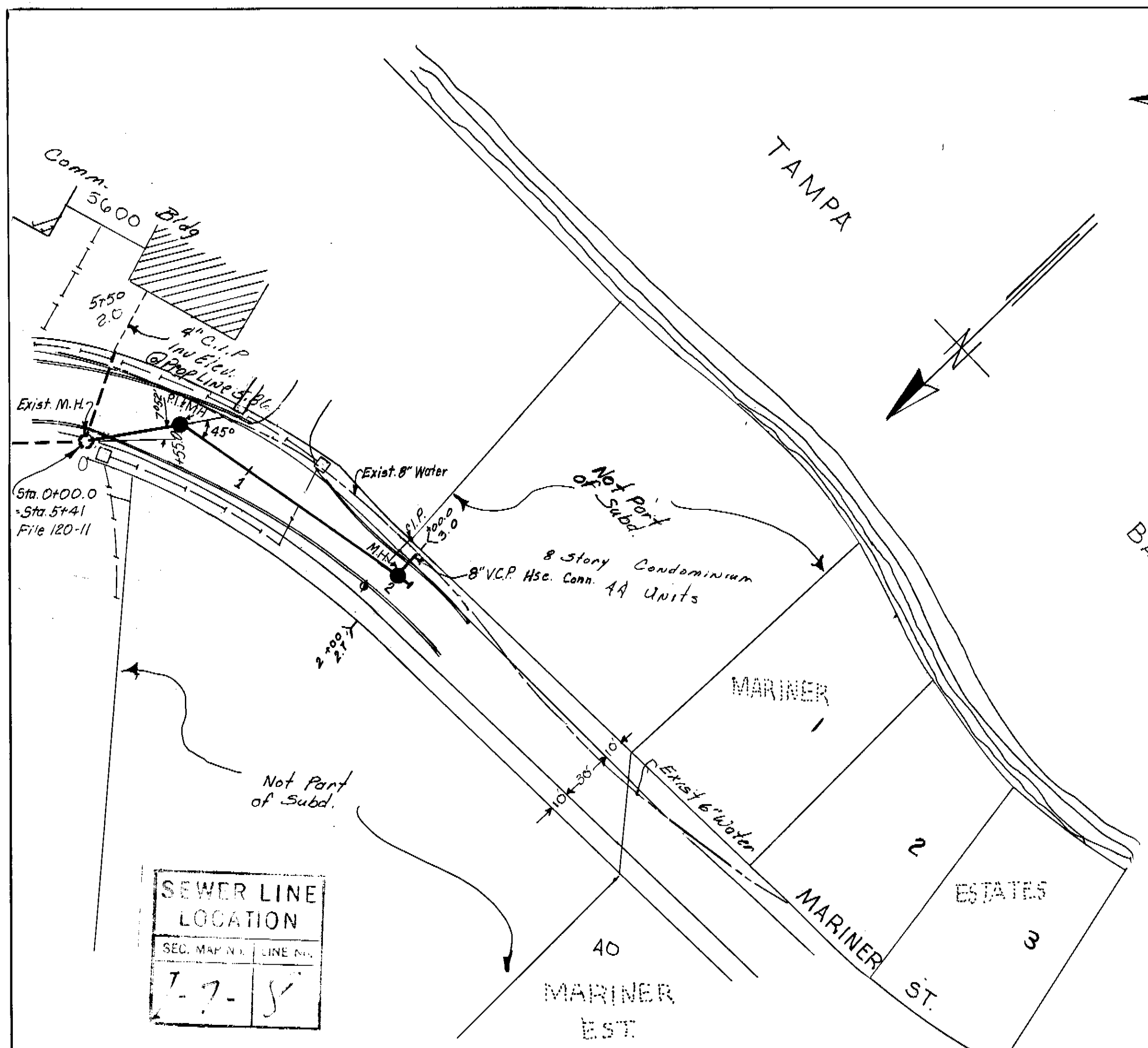
CITY OF TAMPA FLORIDA
RENEWAL & REPLACEMENT
SEWER IMPROVEMENTS

BARCELONA ST: From Ysabella Ave East 268'
ARMENIA AVE: From St. Isabel St. South 175'

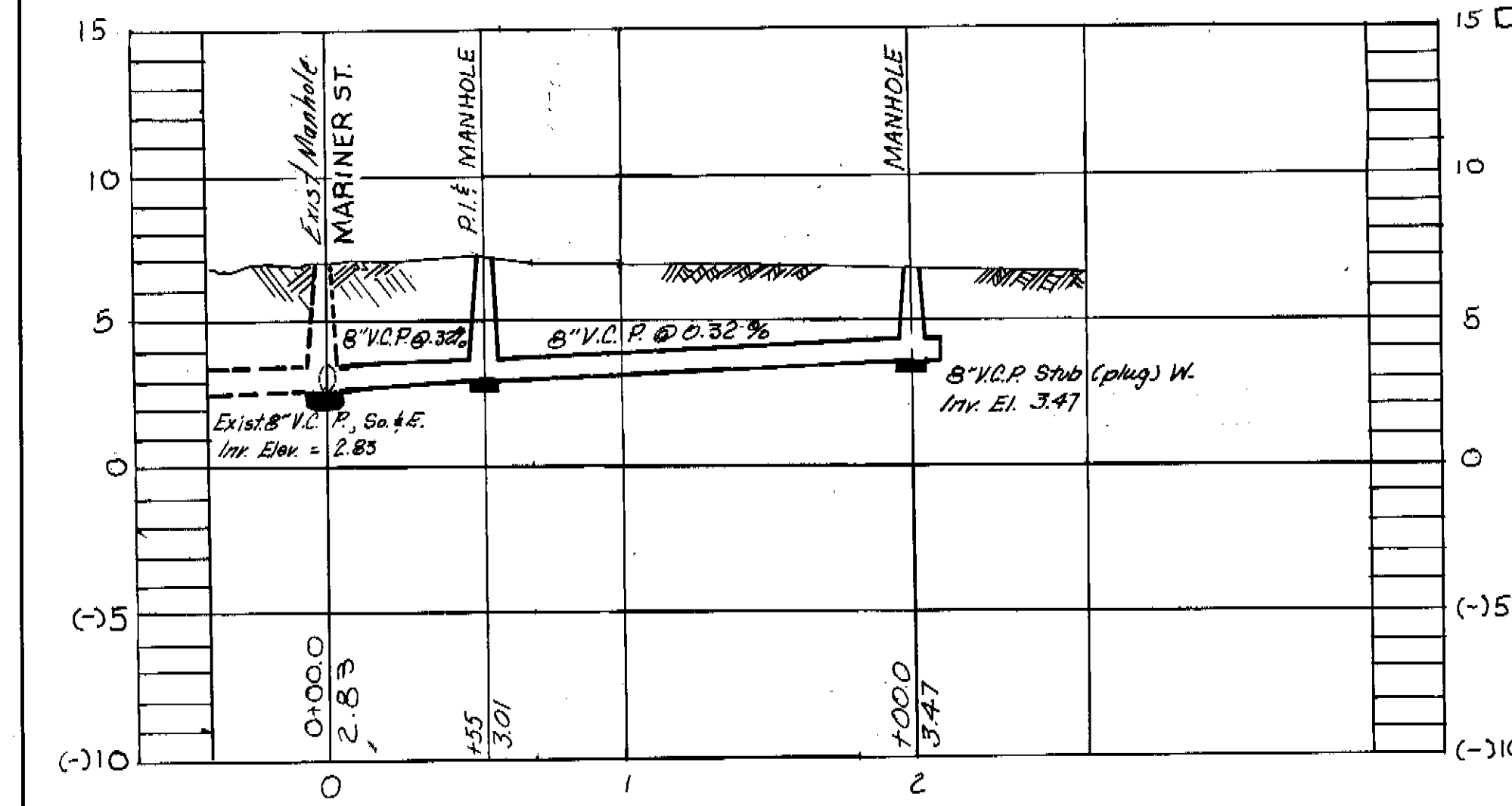
DES. HS DRN. HK CKD. RJ DATE: 5/71	SCALE 	SHEET 12035
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Revised: 6-23-71
By R. J.

As-Built 120-35

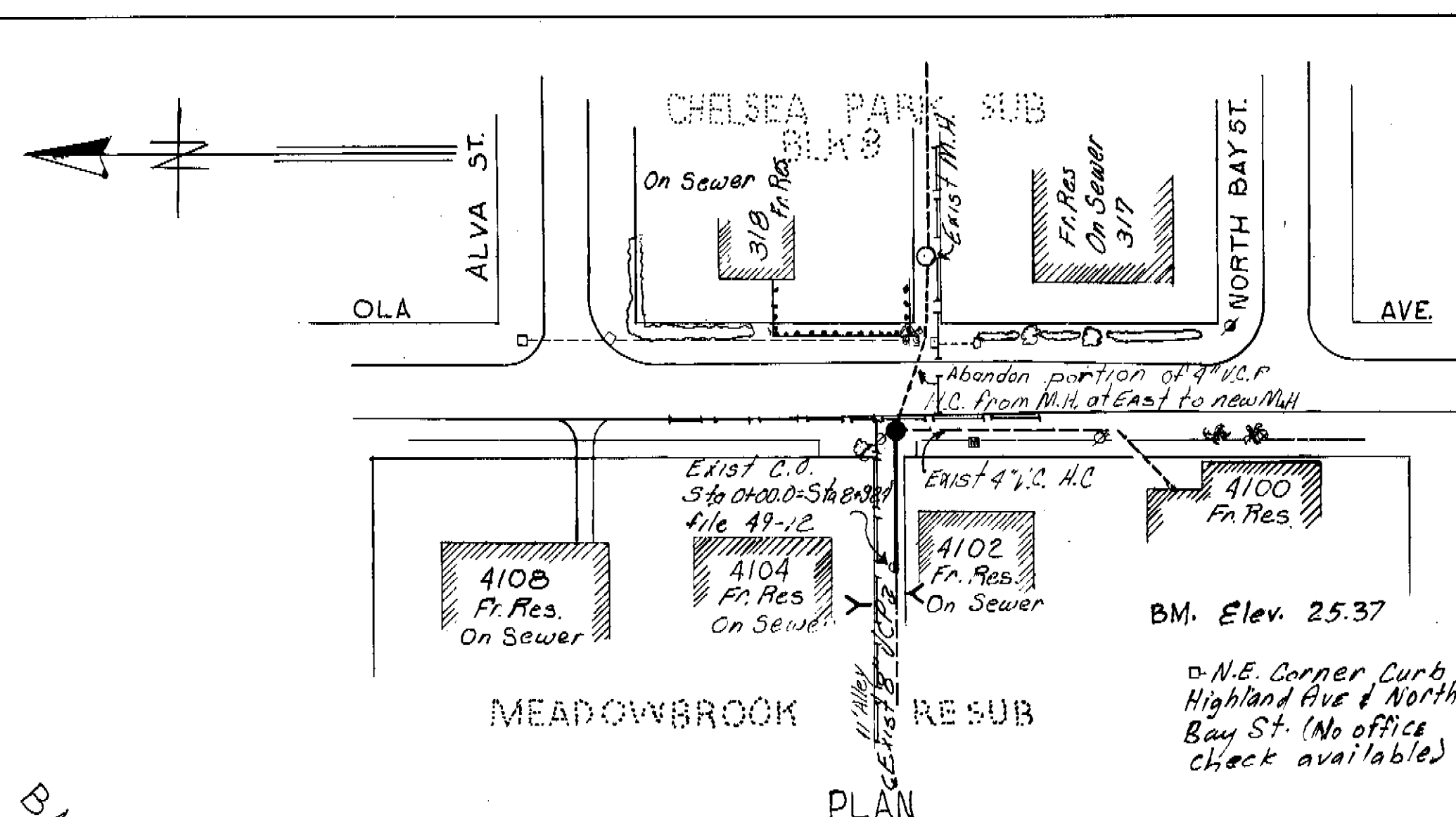


PLAN

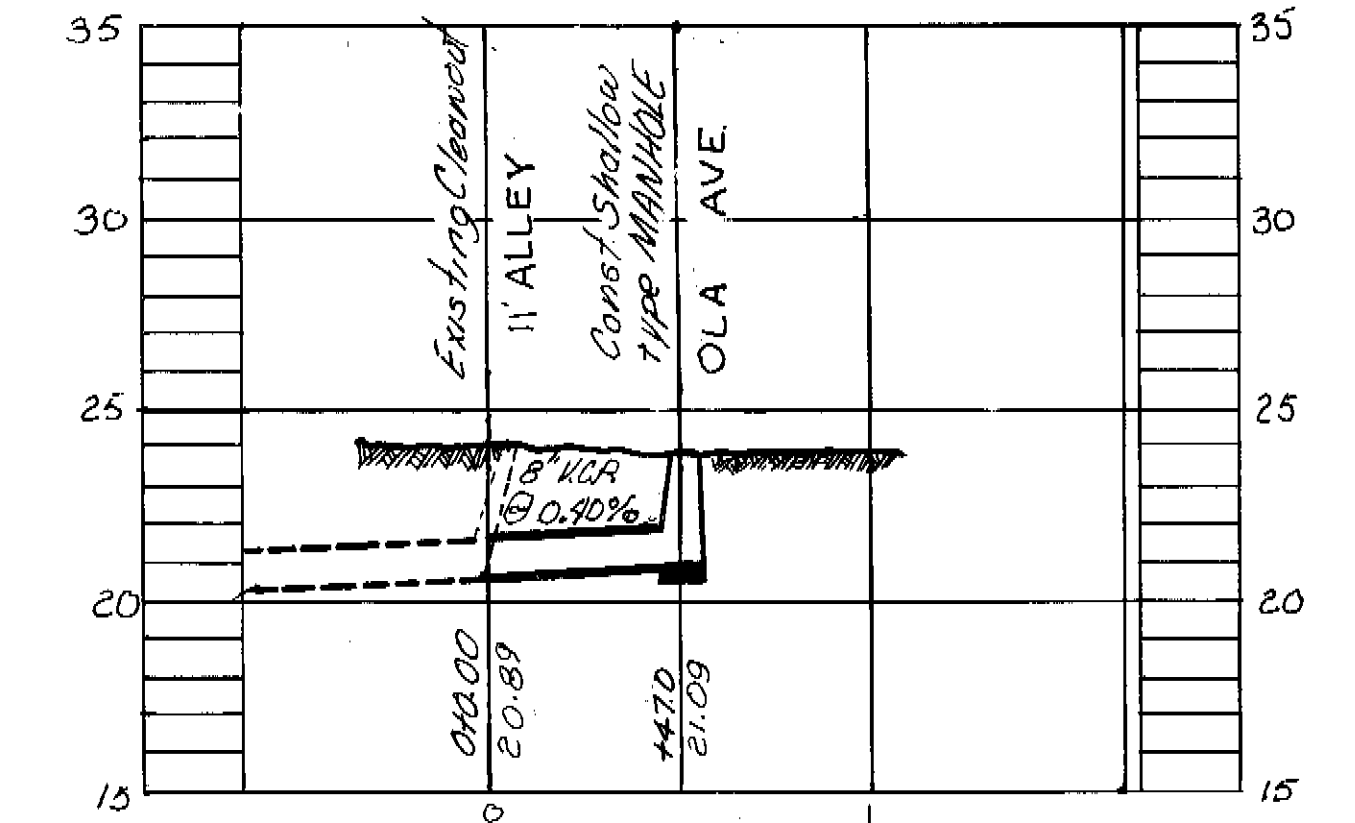


PROFILE
WO. 2328

B.M. ELEV. 7.35
 15' Nail in Power Pole Lt. of Station 12+90
 No office check available



PLAN

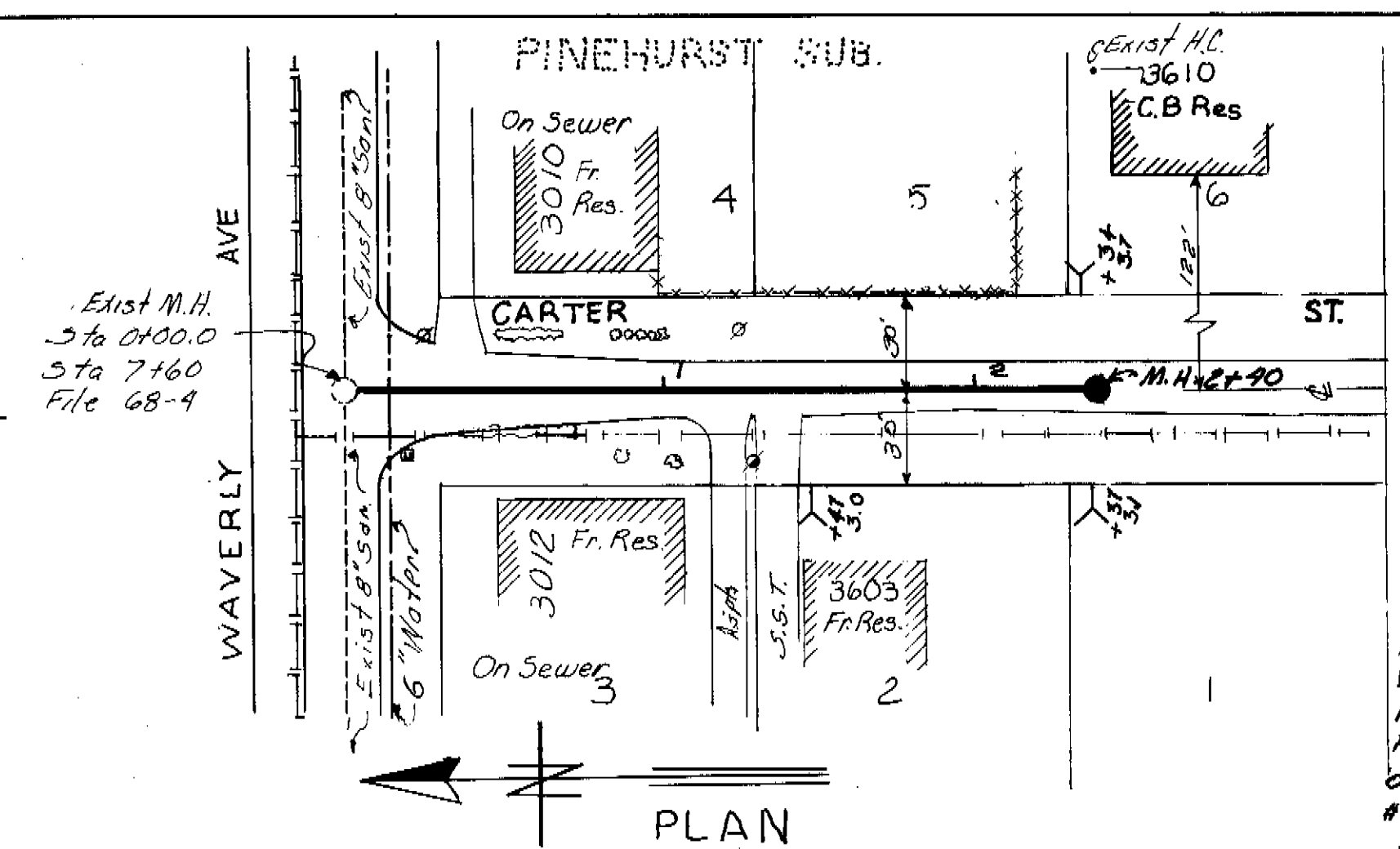


PROFILE
WO. 2335

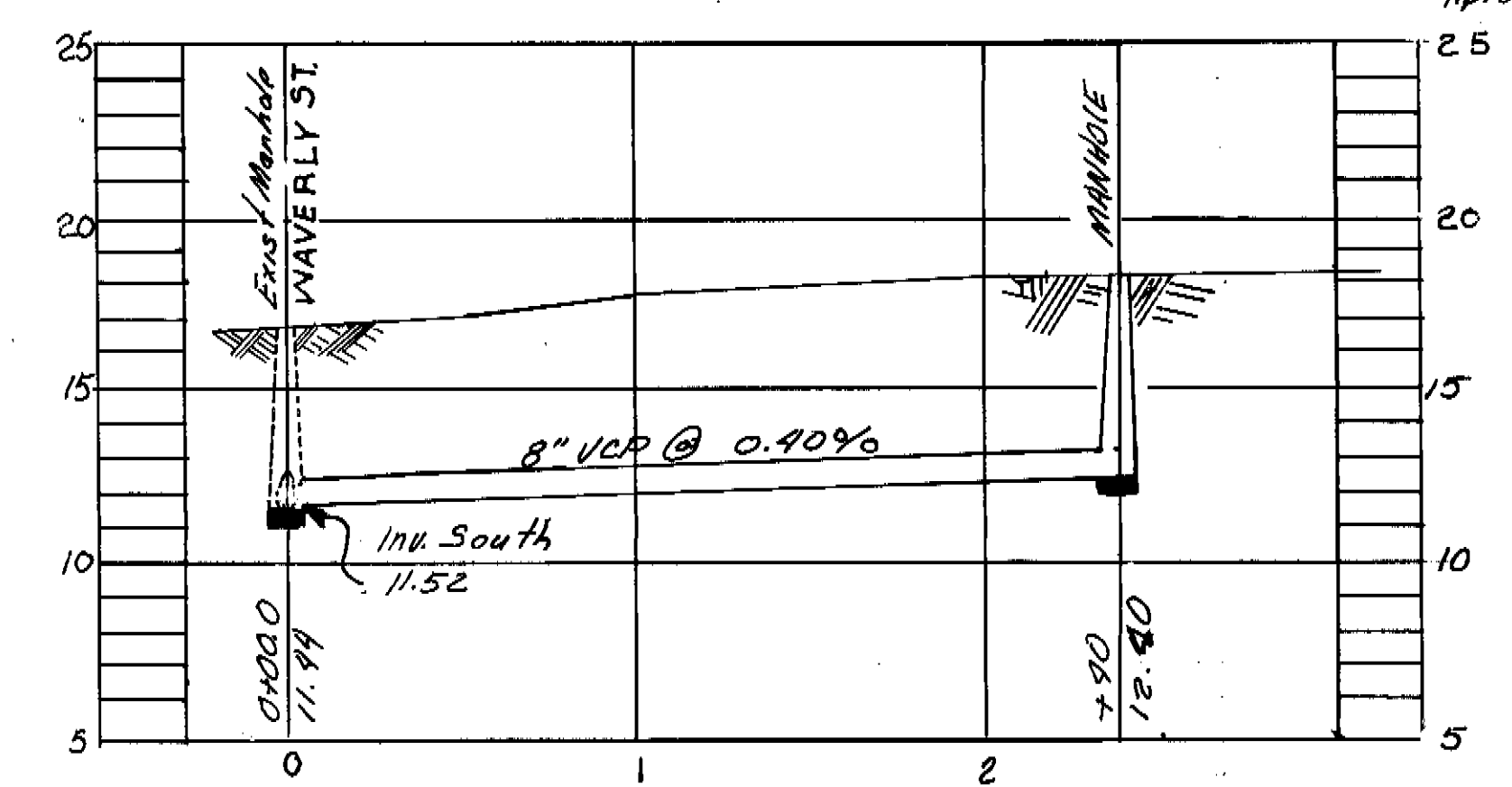
NOTE: Please contact General Telephone Co. at 971-3161 three days before starting construction.

SEC. M.	LINE
5-12-	6

Revised to show Tel. Cable 2/21/72



PLAN



PROFILE
WO 2348

Note: Construct Shallow type M.H. at Sta 0+47.0 Remove cleanout and connect new 8" V.C.P. to exist 8" V.C.P. at Sta 0+00.0

SEC. M.	LINE
K-10-	40

B.M. A58 Elev. 19.546
 Cut on back edge North sidewalk EL Prado Blvd 10' West of front walk Blvd #2725 EL Prado Blvd Approx 55' East of 25 McDill Ave

WO 2335
 WO. 2328
 WO. 2348

CITY OF TAMPA, FLORIDA

SEWER IMPROVEMENTS

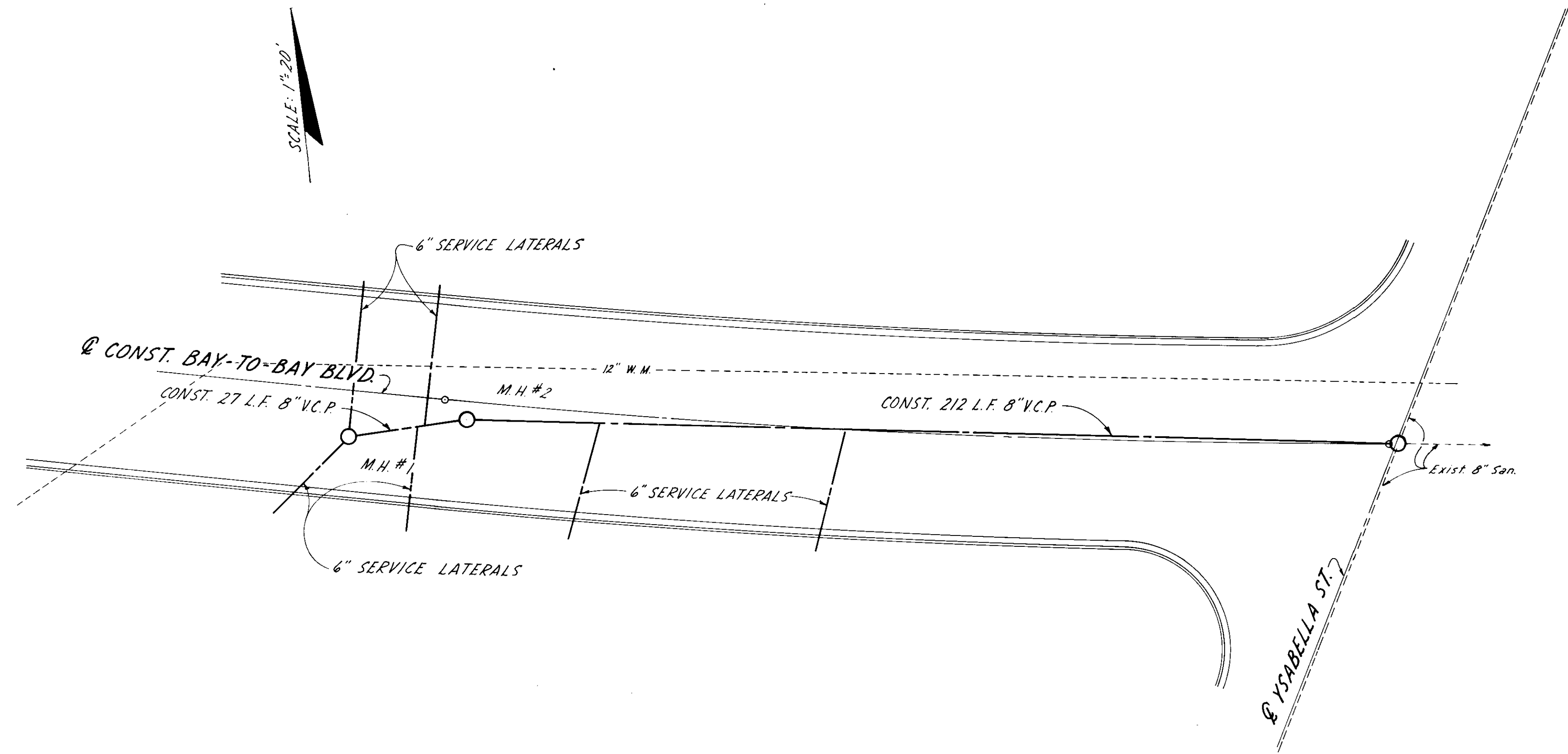
CARTER ST.: WAVERLY AVE SOUTH 240'
 OLA AVE: ALLEY BETWEEN ALVA & NORTH BAY 50' EXTENSION
 MARINER ST.: WEST 180'

DES. M.K. DRN M.K. CKD. DEC. 1971

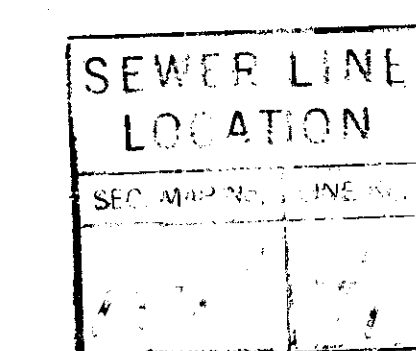
SCALE 1" = 50'

SHEET OF

As-Built 122-3

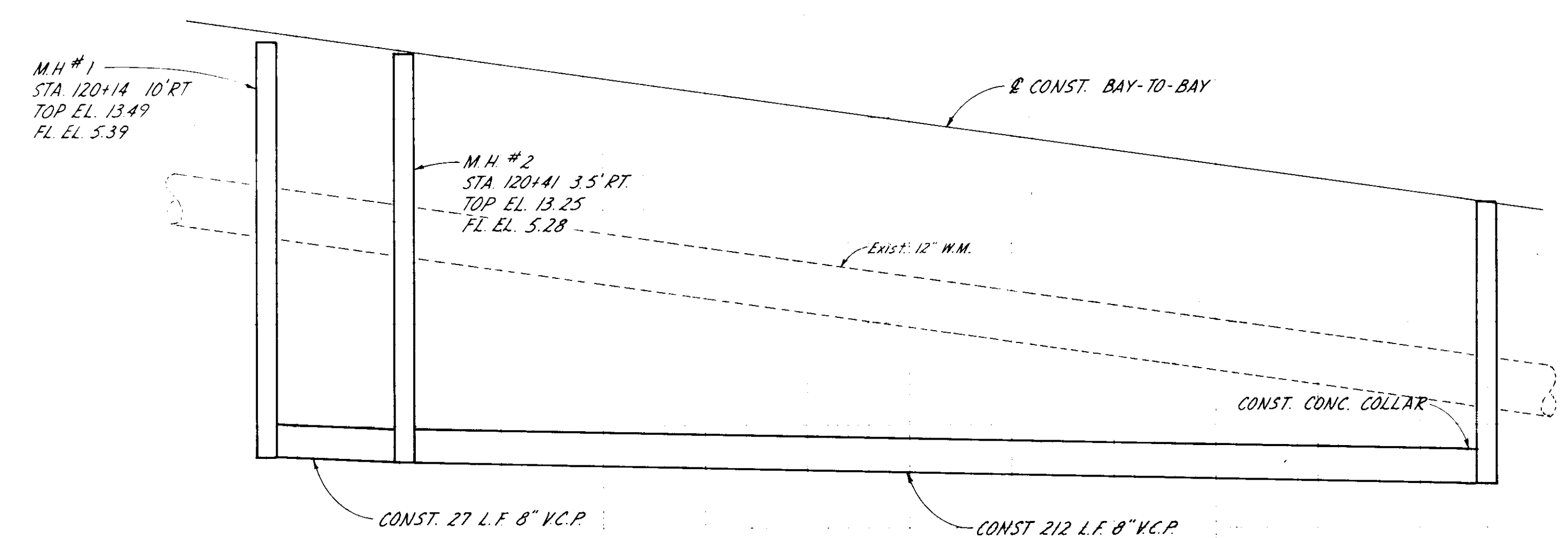


ITEM NO.	APPROX. QUAN.	DESCRIPTION
S-20	170.5 L.F.	6" VITRIFIED CLAY PIPE
S-21	238 L.F.	8" VITRIFIED CLAY PIPE
S-22	2 EA.	4' DIA. MANHOLE
S-23	1 EA.	CONC. PIPE COLLAR



16
14
12
10
8
6
4

16
14
12
10
8
6
4



200

205

210

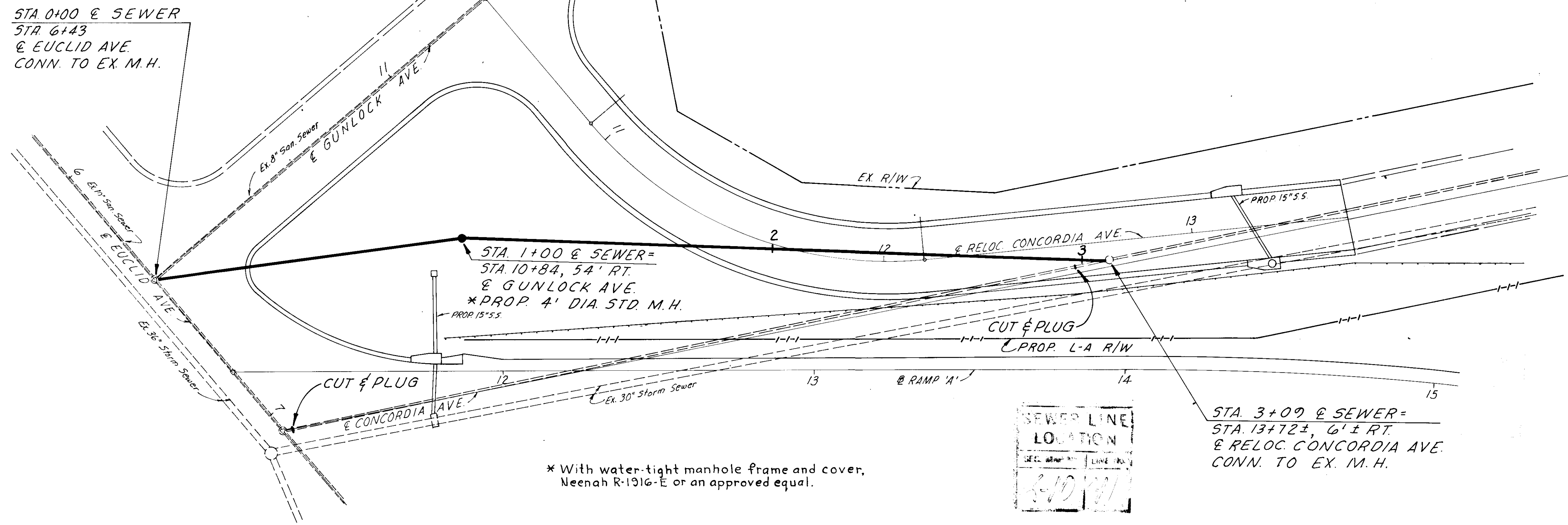
As-Built 140-14
AS BUILT DRAWINGS

SECT. NO.	10002	3502	EXPRESSWAY	NO.	55-3
By:	TAMPA-HILLSBOROUGH COUNTY EXPRESSWAY AUTHORITY			Date:	

~ GENERAL NOTES ~

- The lines and grades of existing utilities shown on the drawings are approximate only. The Contractor shall verify the locations and elevations of all existing utilities affecting his work prior to construction. It will be the Contractor's responsibility to protect said utilities from damage caused by his operations, whether shown on the plans or not.
- The Contractor shall maintain the flow of existing sewers at all times.

SCALE: 1"=20'

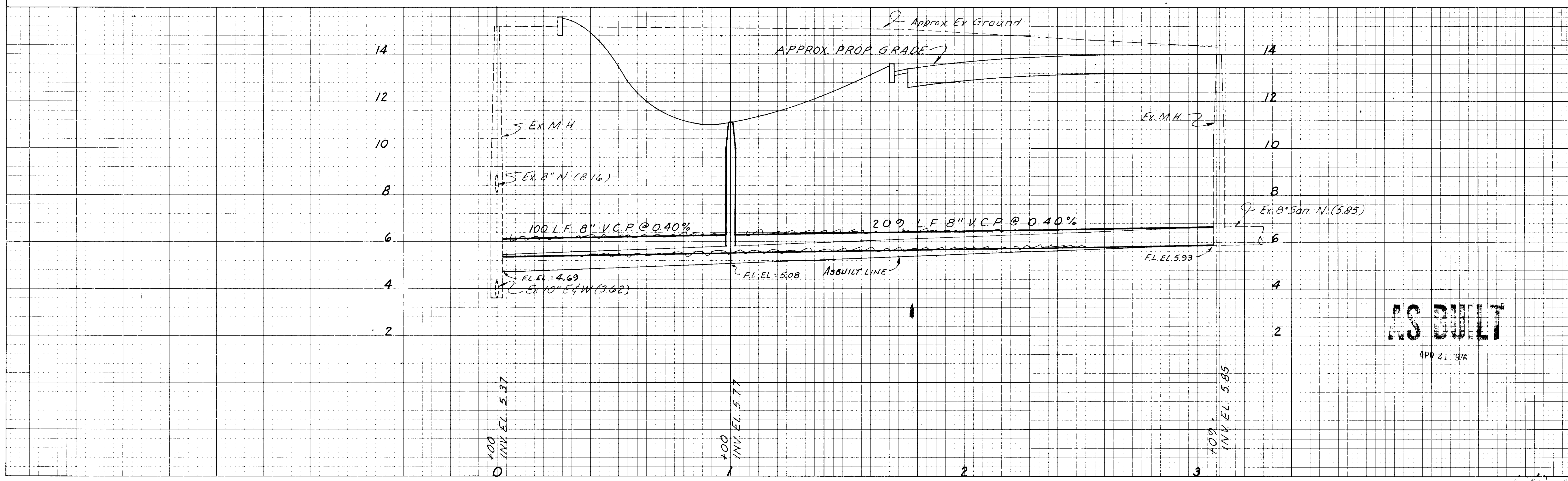


* With water-tight manhole frame and cover, Neenah R-1916-E or an approved equal.

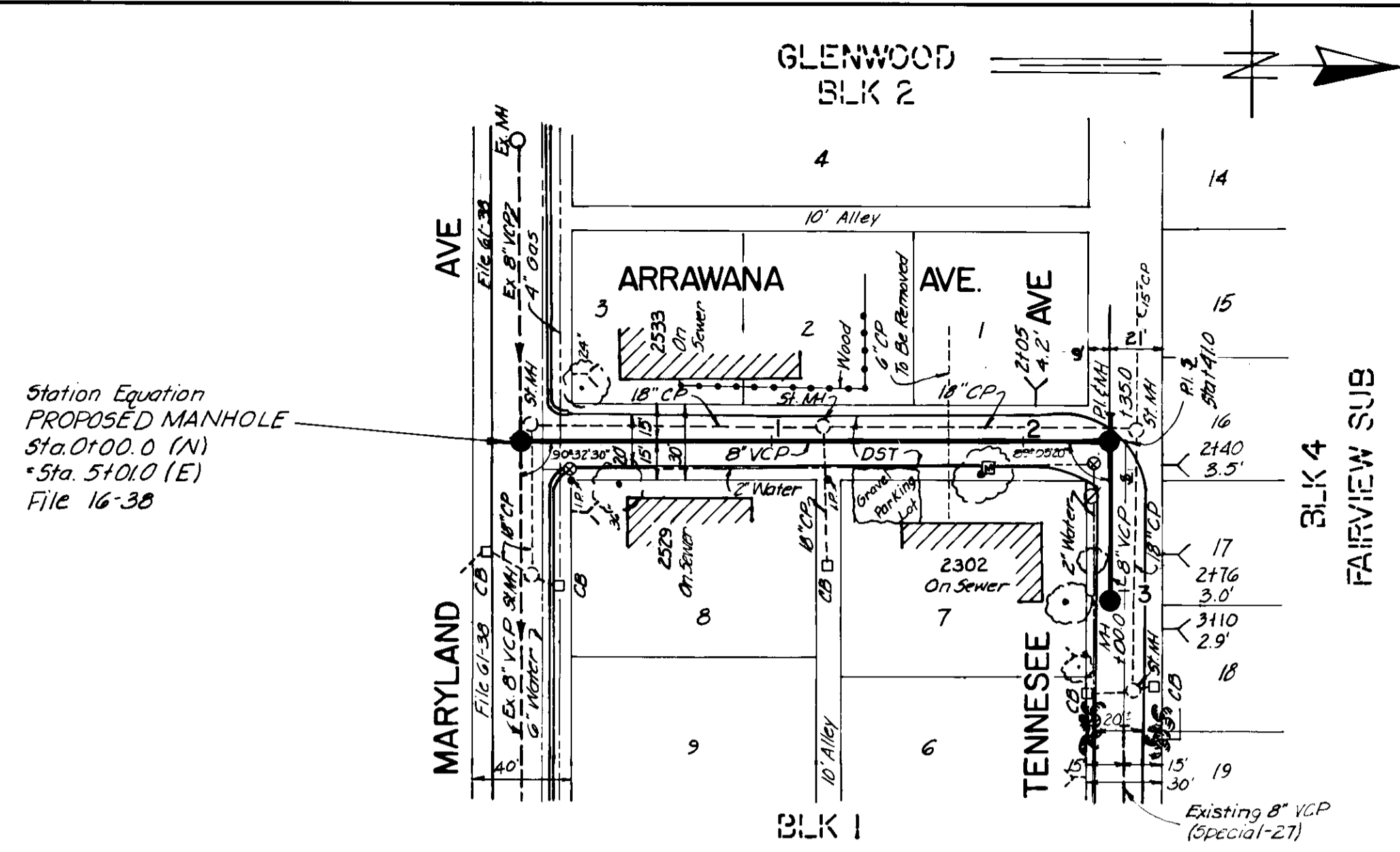
SEWER LINE LOCATION
 140-16

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



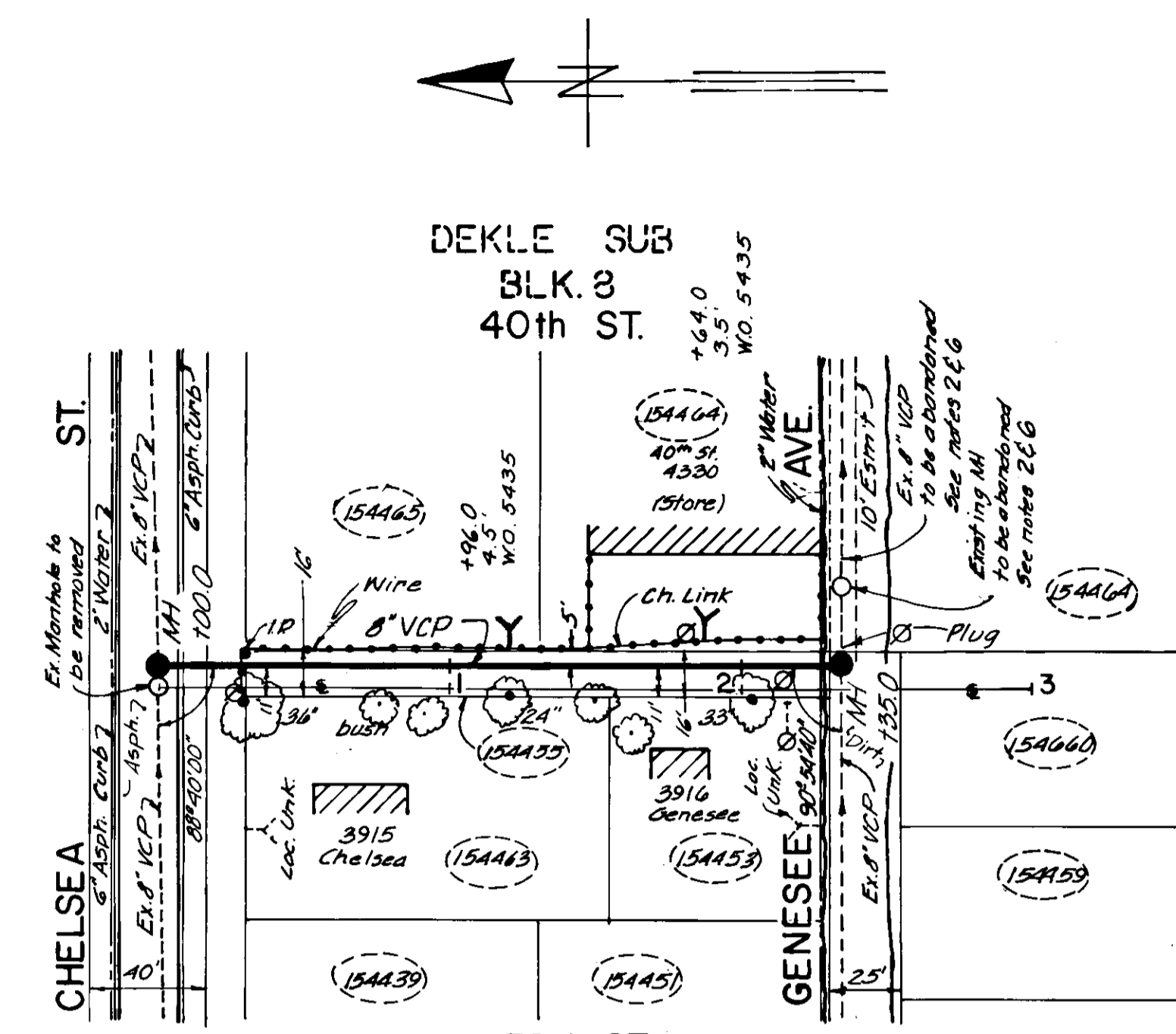
AS BUILT
 APR 21 1976



PLAN

TBM-0 Elev. 10.57
 "□" Cut on PI of SW, at the SW corner of Boyshore and Carolina.

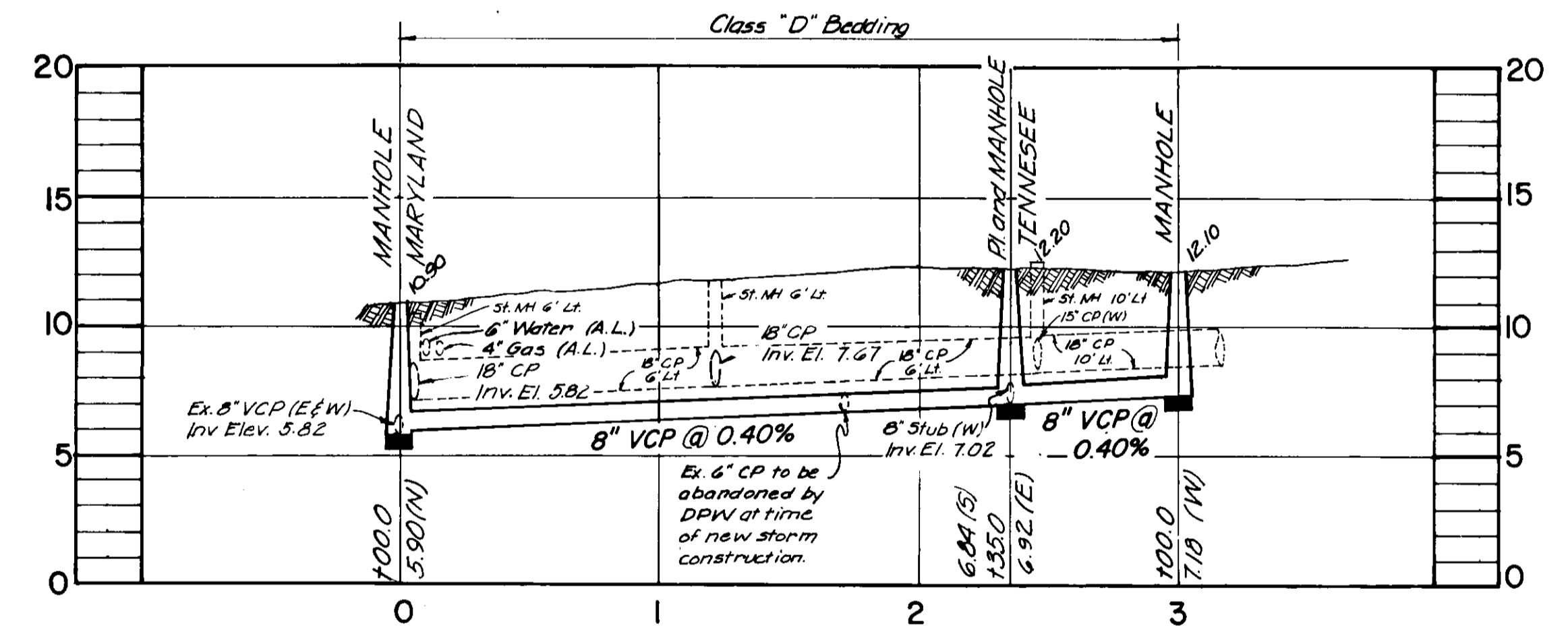
- Notes
1. House connections are representative only. Exact locations to be determined in the field at the time of construction.
 2. Utility locations are approximate. Notify proper authorities prior to beginning construction.
 3. Replace paving full width with Asphaltic Concrete, Type I.



PLAN

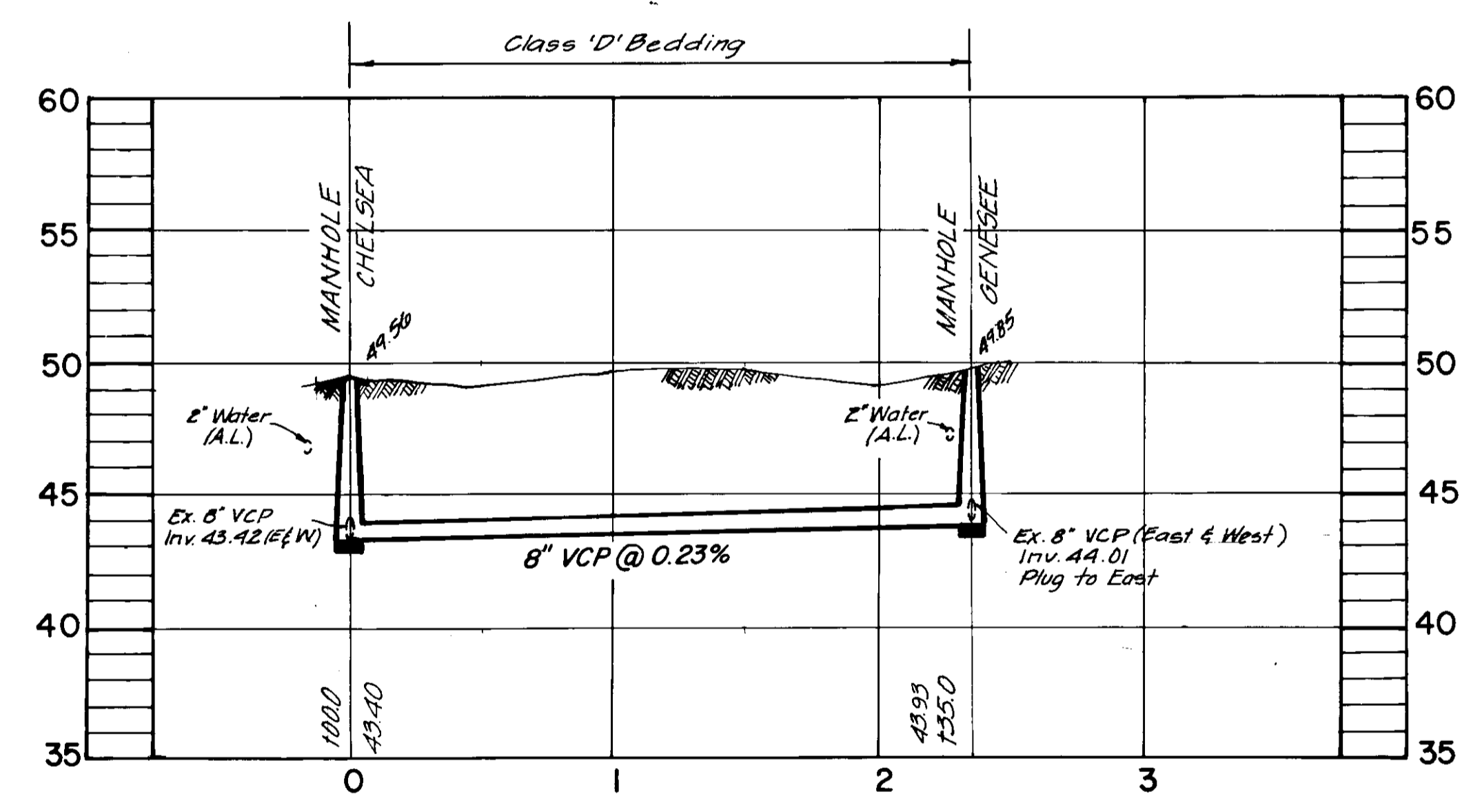
TBM Elev. 40.69
 "□" Cut NW corner of CB, N.W. corner of 40th St @ Chelsea.

- NOTES:
1. Utility locations are approximate. Notify proper authorities prior to beginning construction.
 2. 8" VCP and manholes east of proposed manhole at Sta. 2+35.0, to be abandoned. Remove frame and lid, fill with sand, bring to existing grade and sod.
 3. All elevations are based on NOS Datum unless otherwise noted.
 4. New House Connections are representative only. Exact locations should be determined in the field at the time of construction.
 5. Replace pavement as required with Asphaltic Concrete Type S-1.
 6. Existing sanitary manholes and sewer will not be abandoned or removed until all of the customers served on an existing sewer have reconnected to proposed lines.



PROFILE
W.O. 5539

1-2-79 YHK

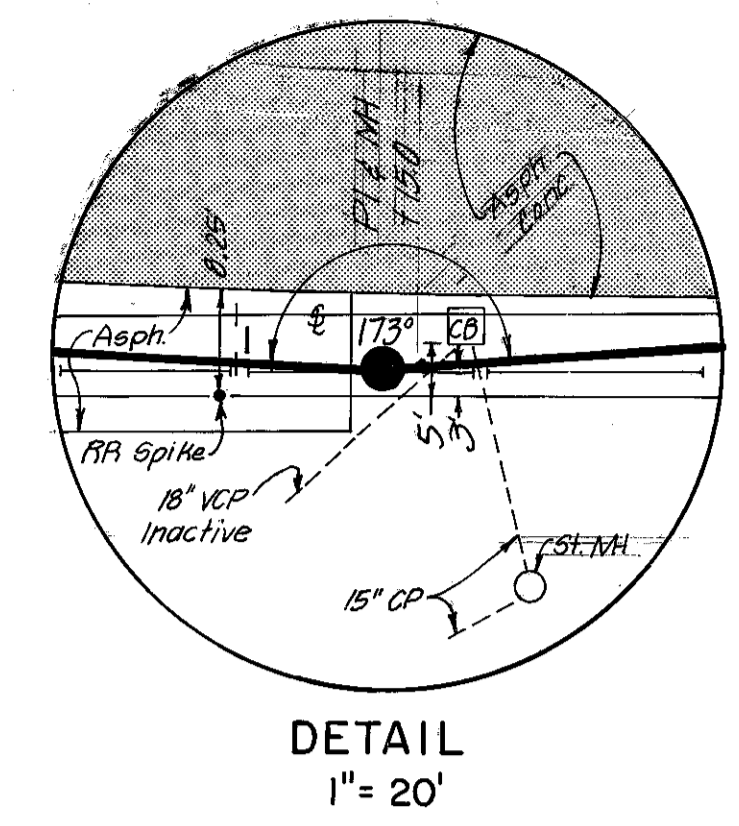
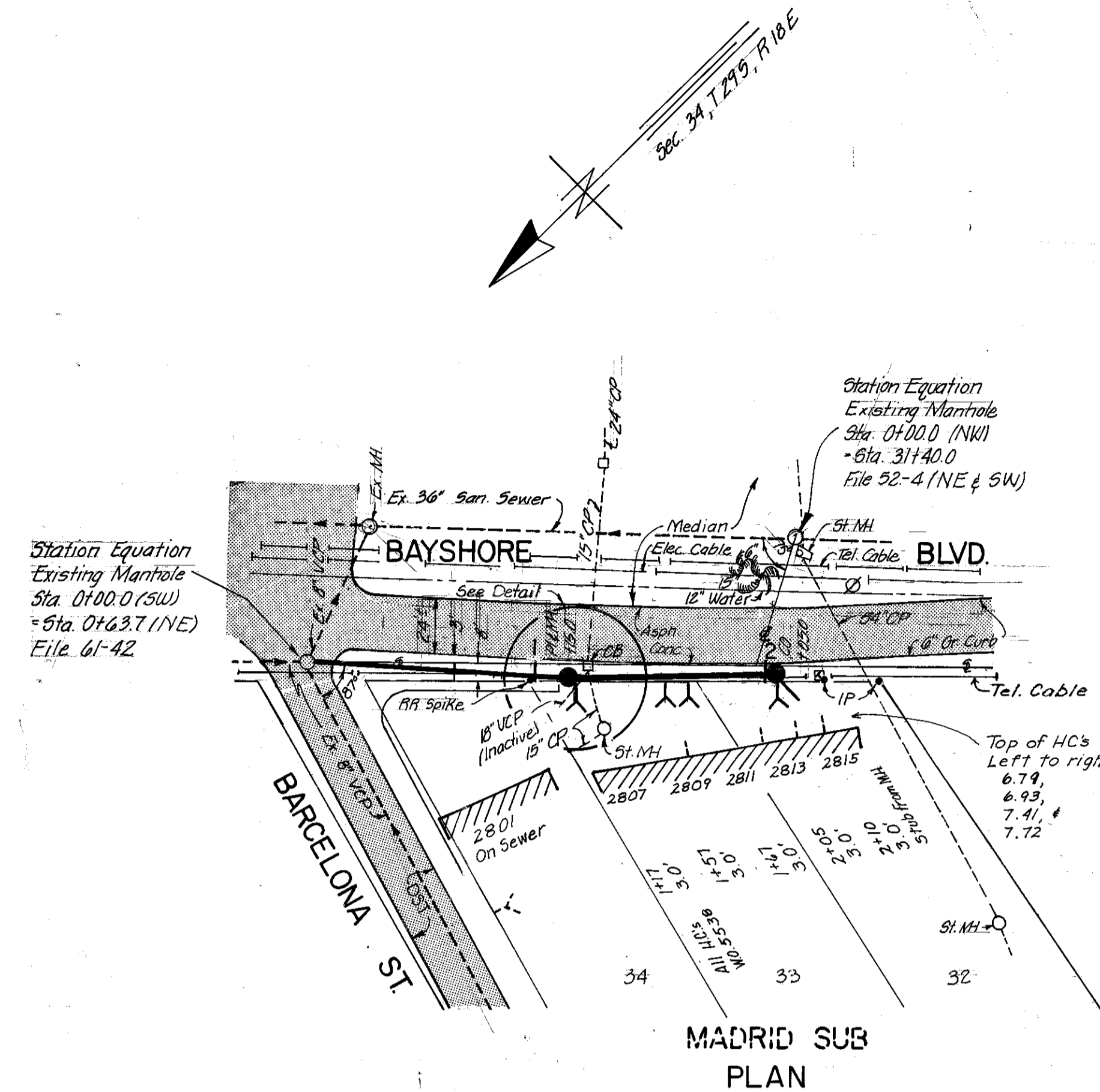
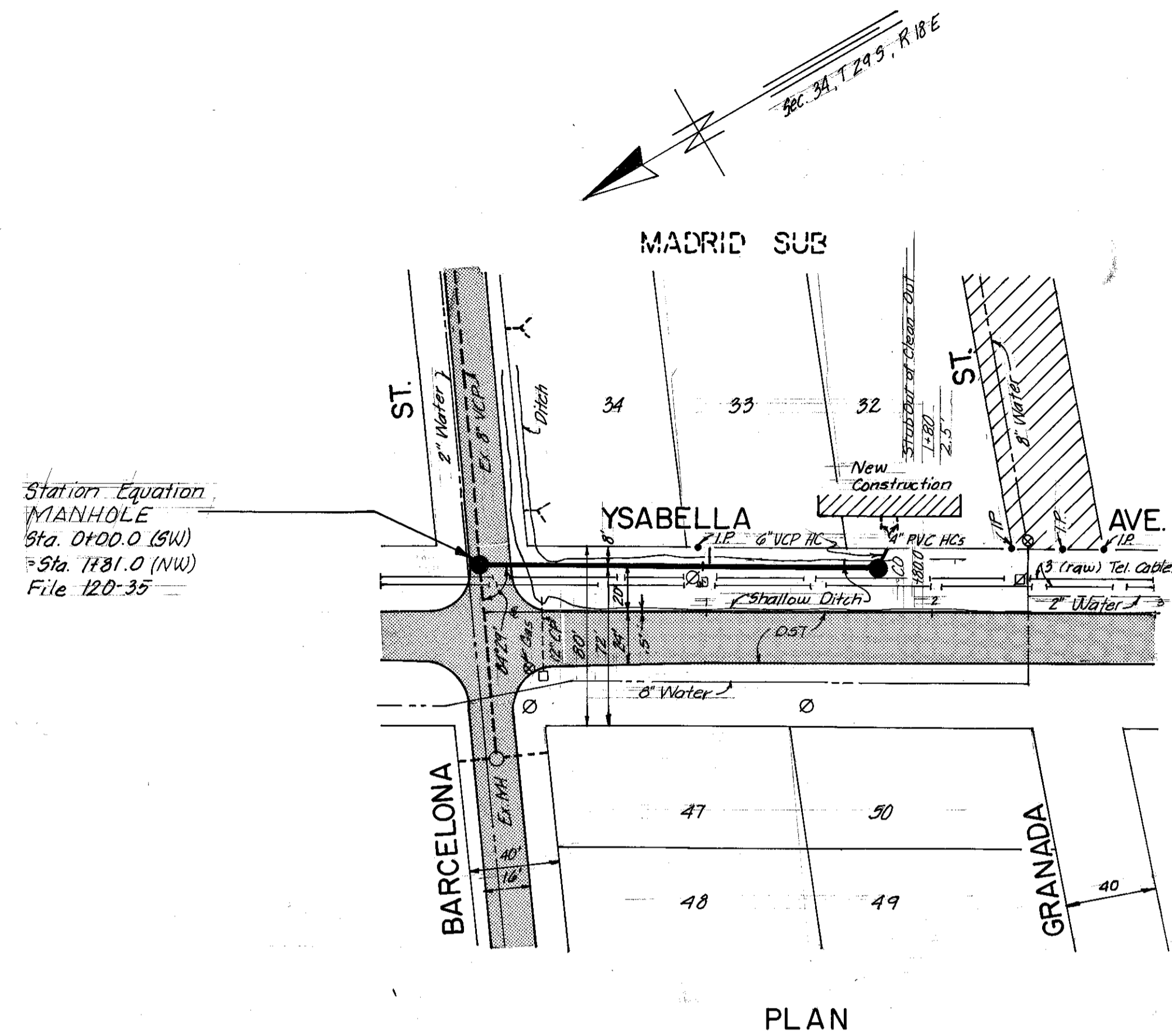


PROFILE
P.N. 479

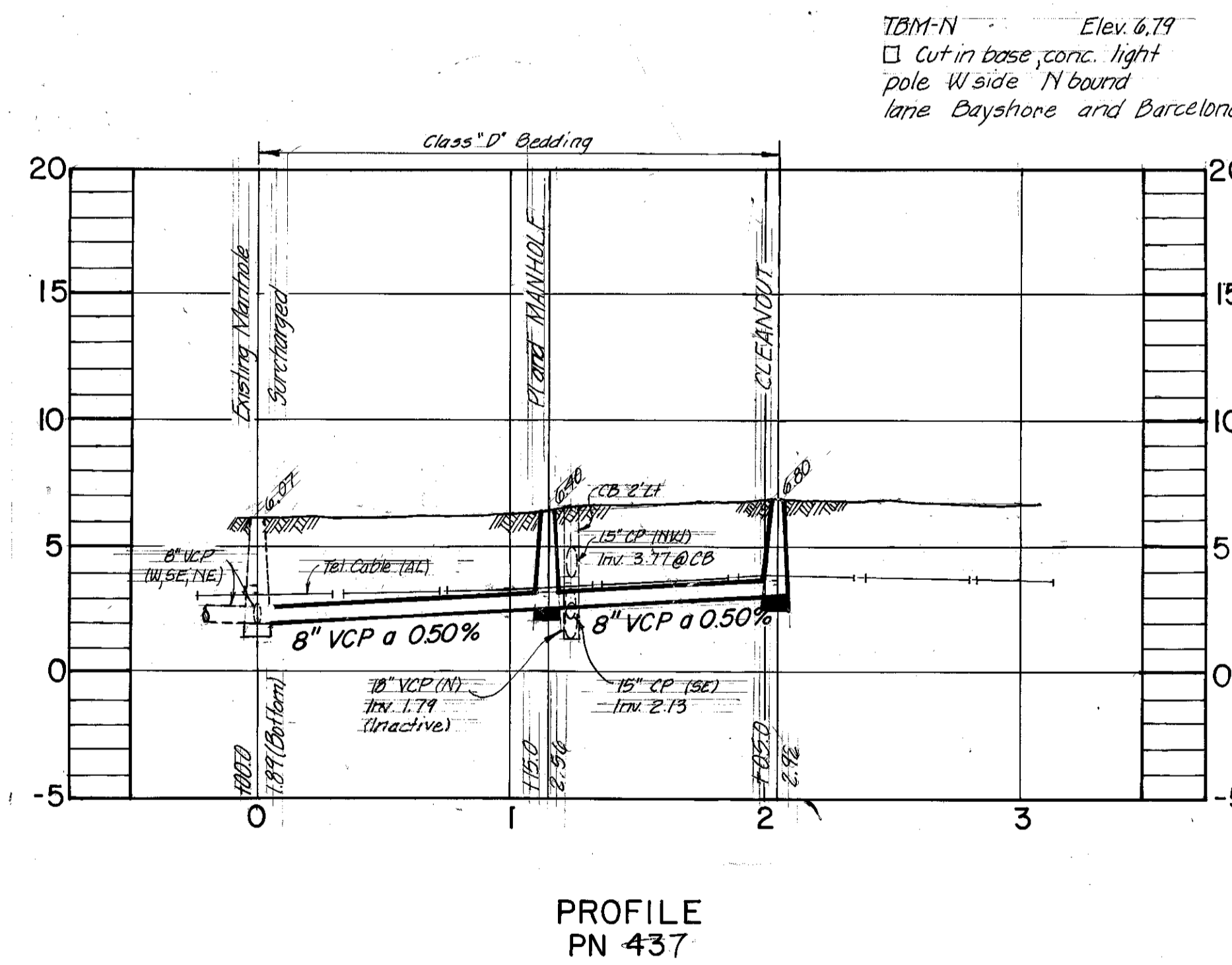
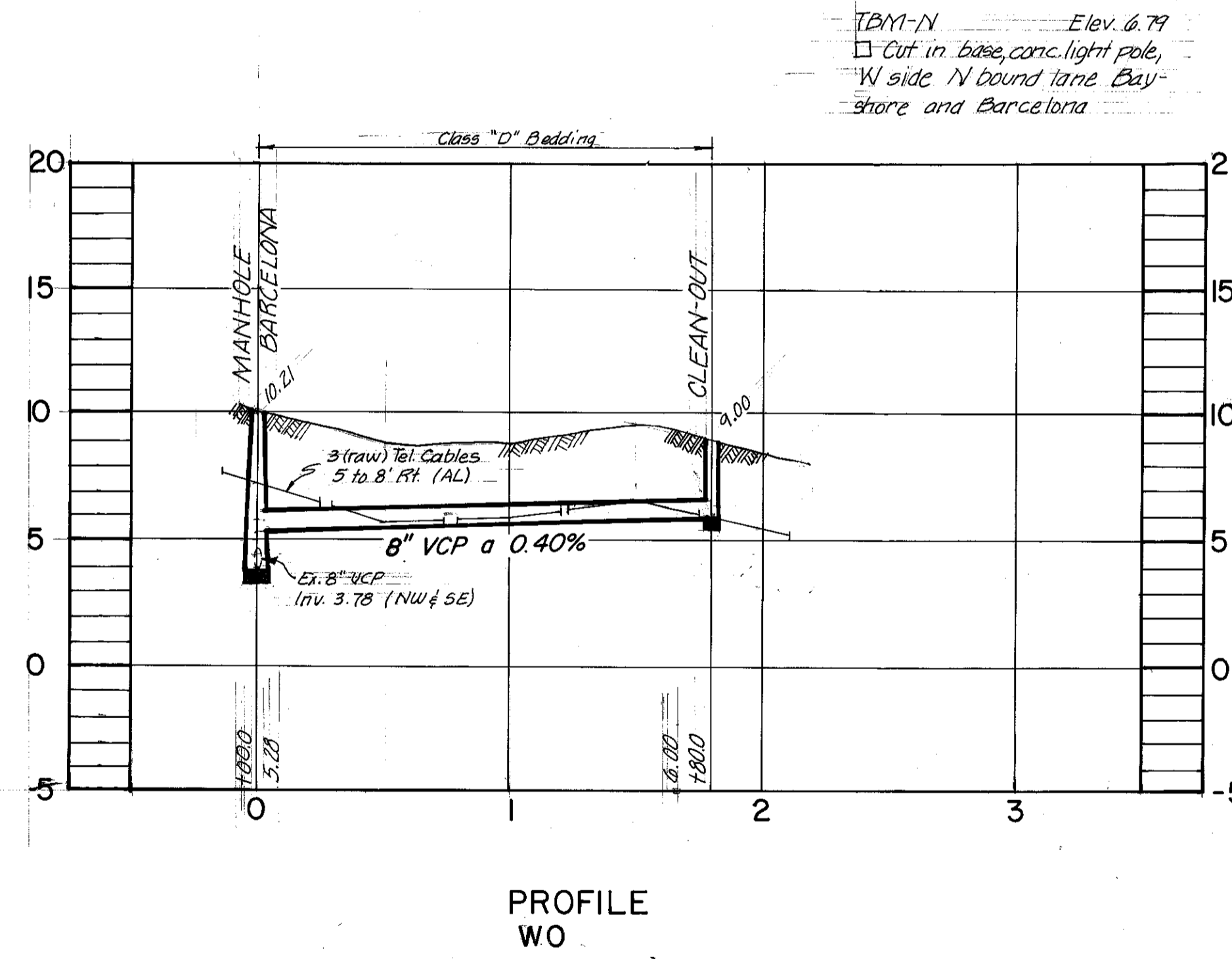
AS BUILT
 5-5-80 CV H.C.'s only

As-Built 146-22

JACK P. MORRIS, P.E. #24578 CHIEF ENGINEER DEPARTMENT OF SANITARY SEWERS	ELTON G. SMITH, P.E. #19872 DIRECTOR DEPARTMENT OF SANITARY SEWERS	DES. JMR	APPROVED BY	J.W. SILLIMAN, P.E., DIRECTOR DEPARTMENT OF SANITARY SEWERS	SCALE 1" = 50' 	DEPARTMENT OF SANITARY SEWERS CITY OF TAMPA, FLORIDA RENEWAL & REPLACEMENT SEWER IMPROVEMENT	ARRAWANA: Maryland to Tennessee ALLEY between 40th ST and 39th ST: Chelsea to Genesee	SHEET OF
		DRN: YHK						
		CKD: JPM						
		DATE: 10/11/78						



- Notes:
1. All elevations are based on NGS Datum unless otherwise noted.
 2. Location of existing underground utilities was prepared from the most reliable information available. Verify the location and depth of all pertinent utilities prior to construction. Notify utility companies in the area at least 48 hours before beginning construction.
 3. House Connections to be 1.5' deep @ 1% to maximize grade between 12" and proposed 8" VCP.



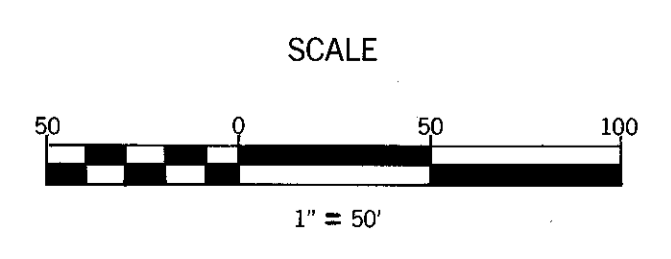
AS BUILT
 House Connection C.V. 10-9-79

ELTON G. SMITH, P.E. # 19872
 DEPUTY DIRECTOR
 DEPARTMENT OF SANITARY SEWERS

DES: JMR
 DRN: LYH
 CKD:
 DATE:

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

No.	DATE	REVISIONS
1	4-7-79	Note 3 added
2		
3		
4		
5		



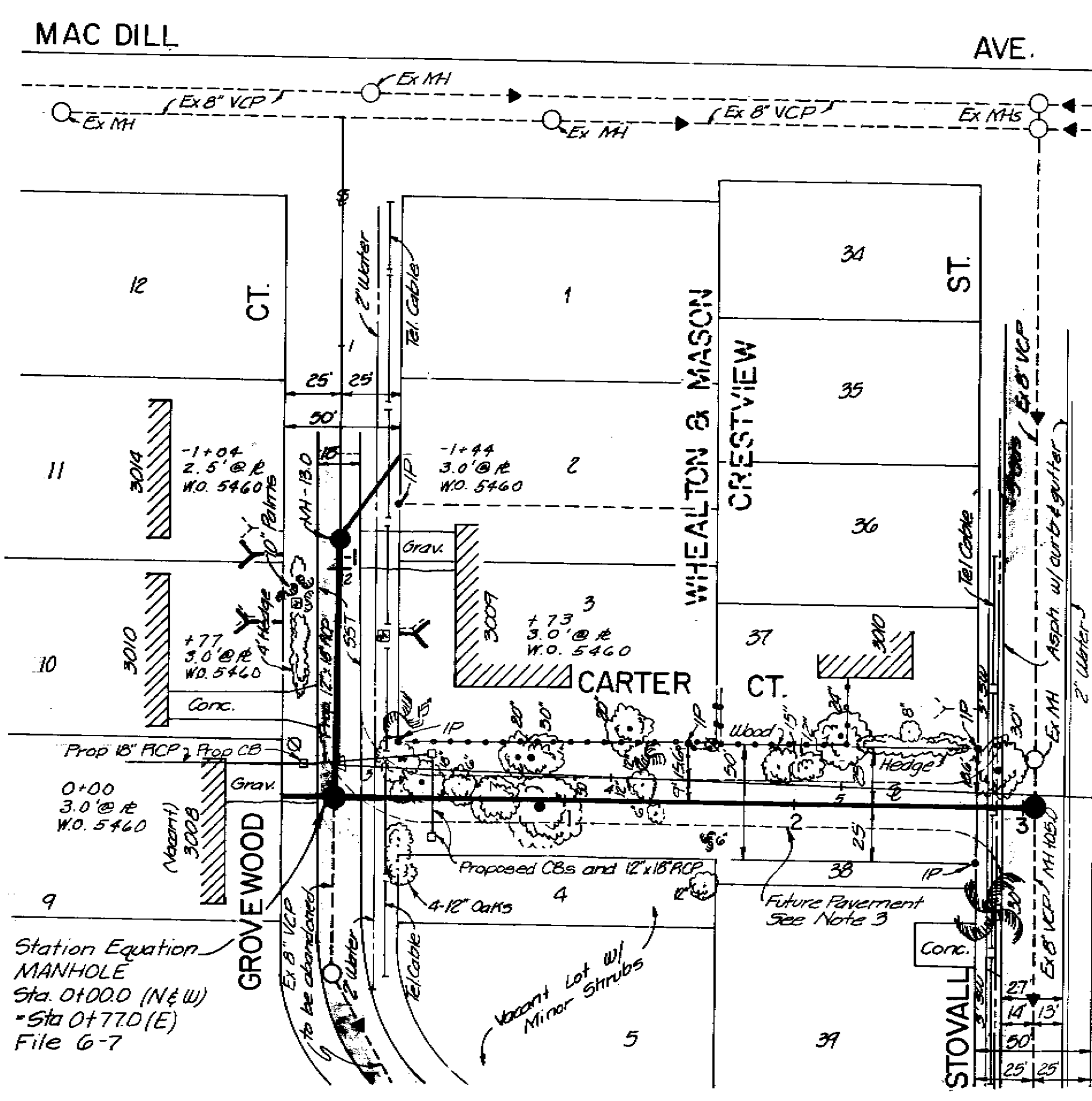
DEPARTMENT OF SANITARY SEWERS
 CITY OF TAMPA, FLORIDA
 RENEWAL & REPLACEMENT
 SEWER IMPROVEMENT

YSABELLA AVE.: Barcelona to the Southwest
 BAYSHORE BLVD: Barcelona to the Southwest

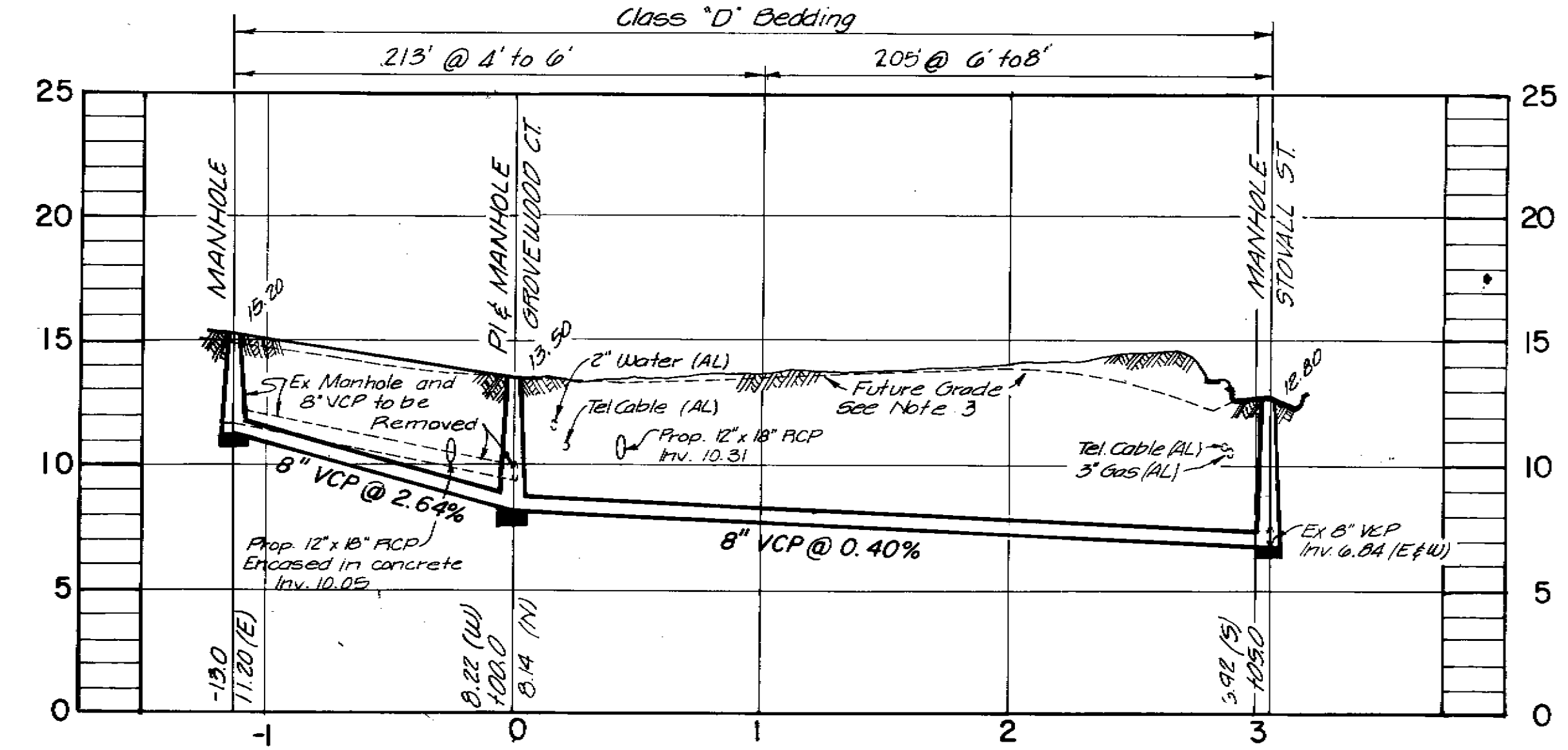
SHEET
148-35
 OF

BRUNING 44-132-25917

Sec. 34, T29S, R18E



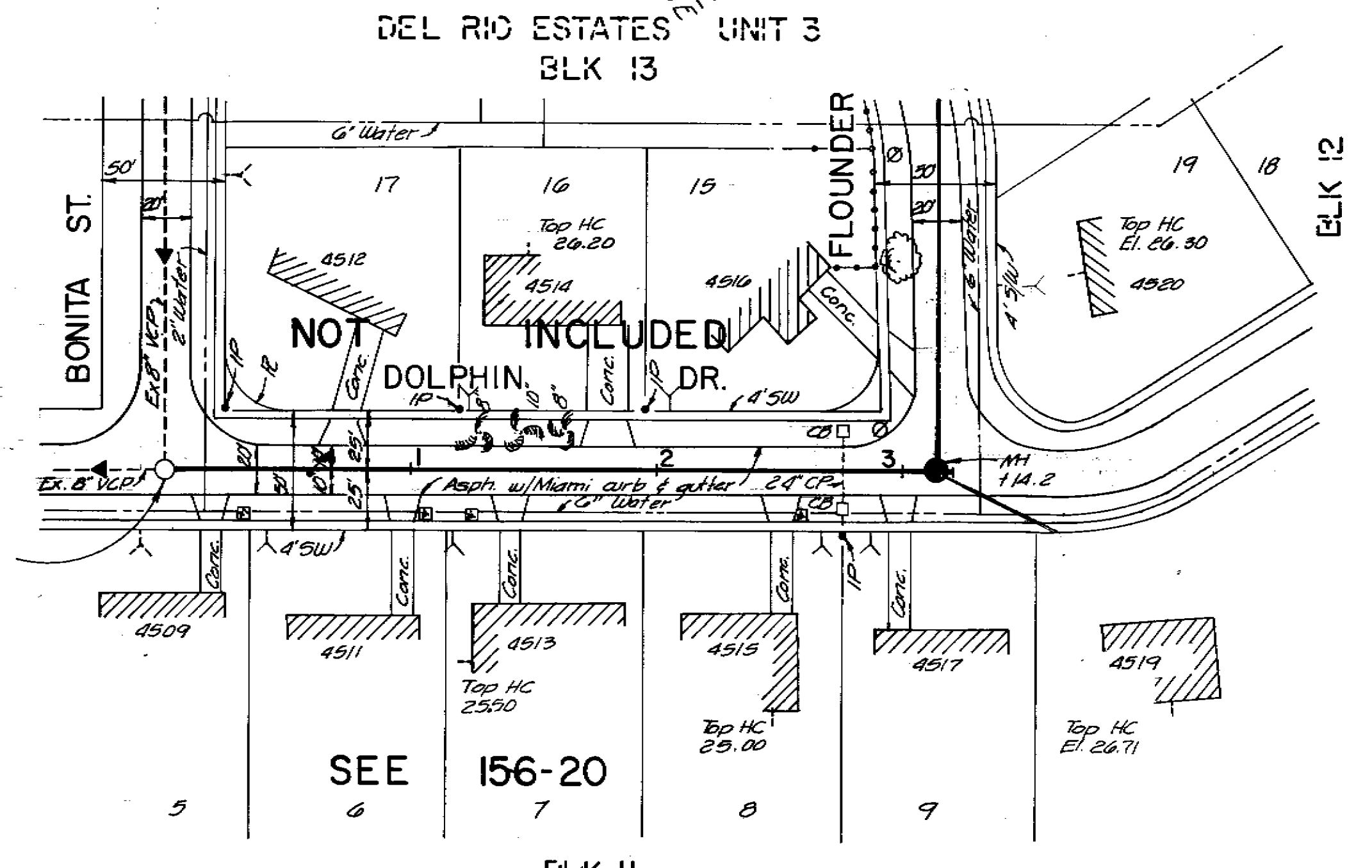
PLAN
 BM#4977 Elev 16.91
 1" Cut Conc Step @ 3201
 Mac Dill Ave.



PROFILE
 PN 451

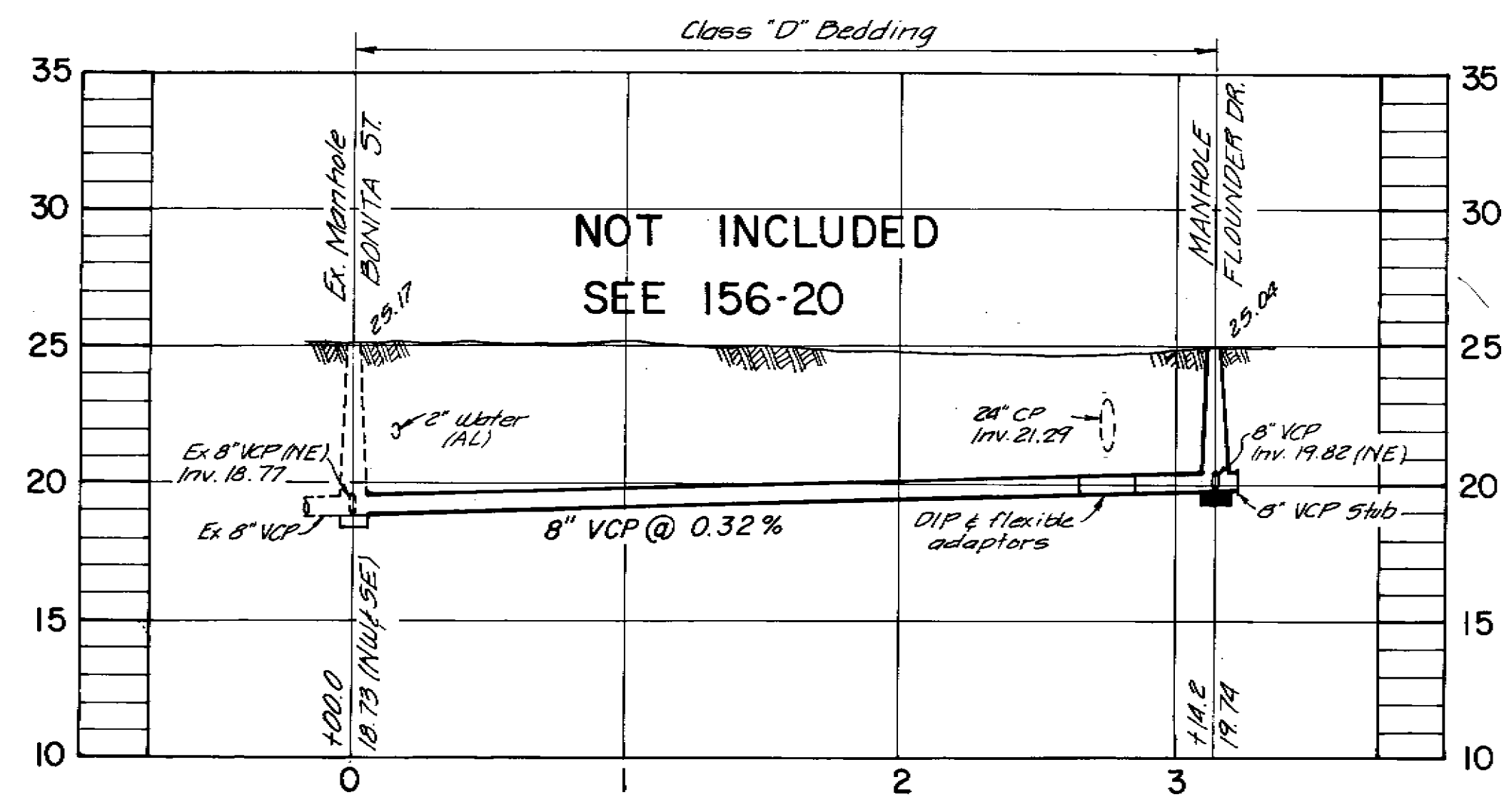
- Notes:
1. All elevations are based on NDS Datum unless otherwise noted.
 2. Location of existing underground utilities was prepared from the most reliable information available. Verify the location and the depth of all pertinent utilities prior to construction. Notify utility companies in the area at least 48 hours prior to construction.
 3. Future pavement and grade as per most recent Dept of Public Works design and are subject to change.
 4. Paving to be accomplished by the Department of Public Works in conjunction with drainage improvements.
 5. Reconnect existing house connections while maintaining continuous sewage flow.
- Station Equation
 Existing Manhole
 Sta. 0+00.0 (SE)
 Sta. 13+00 (NW)
 File 16-17

Sec. 22, T28S, R18E



PLAN
 BLK II

BM Elev 25.415
 1" Cut on PI 5/4, SE cor
 Bonita & Dolphin.



PROFILE
 PN 500

- Notes:
1. All elevations are based on NDS Datum unless otherwise noted.
 2. Location of existing underground utilities information was 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 prior to construction.
 3. New house connections are representative only. Exact locations should be determined in the field at the time of construction. Wyes shall be required.
 4. Replace pavement full width with Asphaltic Concrete Type 5-1.
 5. Whenever a Sanitary Sewer or a house lateral crosses a storm sewer and a minimum vertical clearance of 12" can not be obtained, use Class 52 DIP centered under storm sewer with approved flexible coupling to adjacent clay pipe.

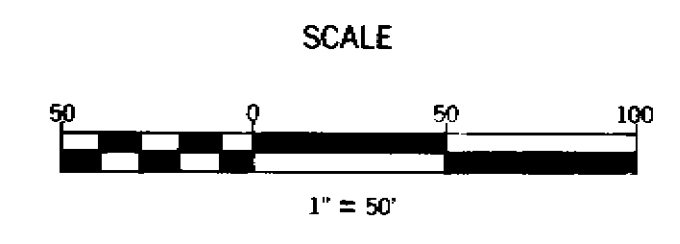
AS BUILT

As-Built 160-19

JACK P. MORRIS, PE. #24578
 CHIEF ENGINEER
 DEPARTMENT OF SANITARY SEWERS

APPROVED BY
 ELTON G. SMITH, PE.
 DIRECTOR
 DEPARTMENT OF SANITARY SEWERS

No	DATE	REVISIONS
1	7/28/81	Line lowered to accommodate Proposed Storm Sewer
2	10-2-81	As-Built 10-2-81 C.V.
3		
4		
5		



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

CARTER CT: Grovewood to Stovall

SHEET
1
 OF 2

160-19

NOTES

1. All elevations are based on NOS Datum unless otherwise noted.
2. Locations of existing underground utilities were prepared from the most reliable information available. Verify the location and depth of all pertinent utilities prior to construction. Notify utility companies at least 48 hours before beginning construction.
3. New house connections are representative only. Exact locations will be determined in the field at the time of construction. Wyes will be required.
4. Where an existing sewer is to be removed or abandoned and replaced with a new sewer, continuous sewer service must be maintained at all times, while connecting the laterals to the new sewer in place.
5. Replace pavement full width with asphaltic concrete type S-III.
7. The minimum clearance between house laterals & water lines shall be 6" under all circumstances. If the house lateral is below a water line and has between 6" & 18" of clearance, or if the lateral is above the water line regardless of clearance, then a nominal 20' length of green AWWA Class 150 C900 PVC pipe shall be centered over/under the water line.

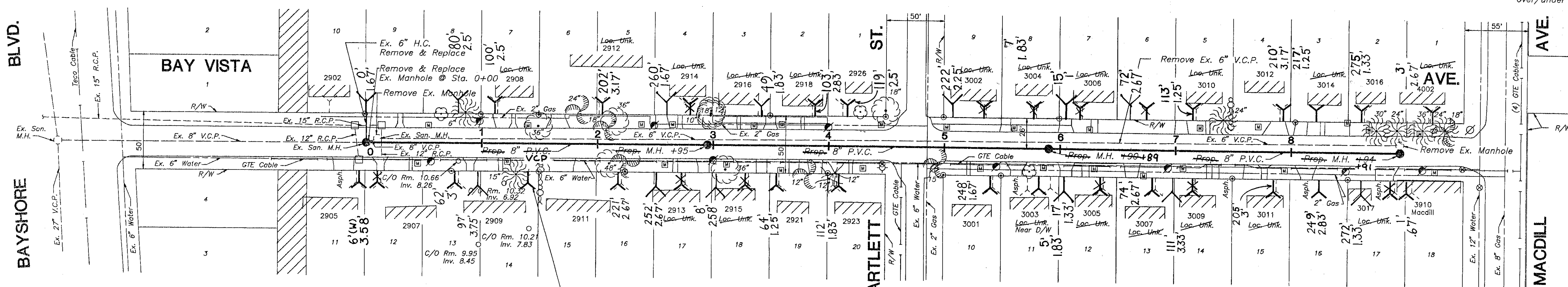
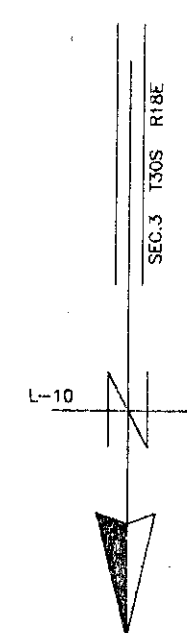
BAY CITY SUBDIVISION

BLK. K

BLK. J

BLK. H

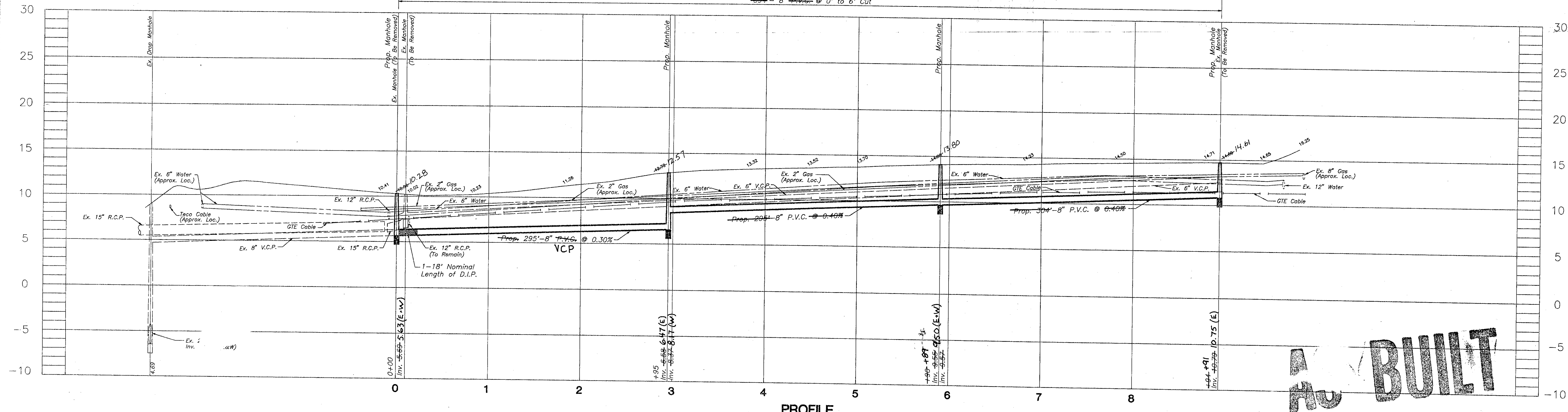
BLK. G



PLAN

CLASS "C" BEDDING

294'-8" P.V.C. @ 0' to 6' Cut



PROFILE

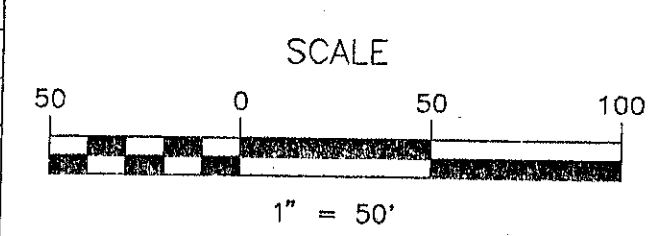
AS BUILT

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

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

No.	DATE	REVISIONS
1	5-12-97	AS-BUILT PER SURVEY
2		NO H/C INFO
3	2/5/99	AS-BUILT- HC ONLY
4		
5		

DES: B.G.
DRN: W.A.
CKD: P.H.
DATE: 2/2/99



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

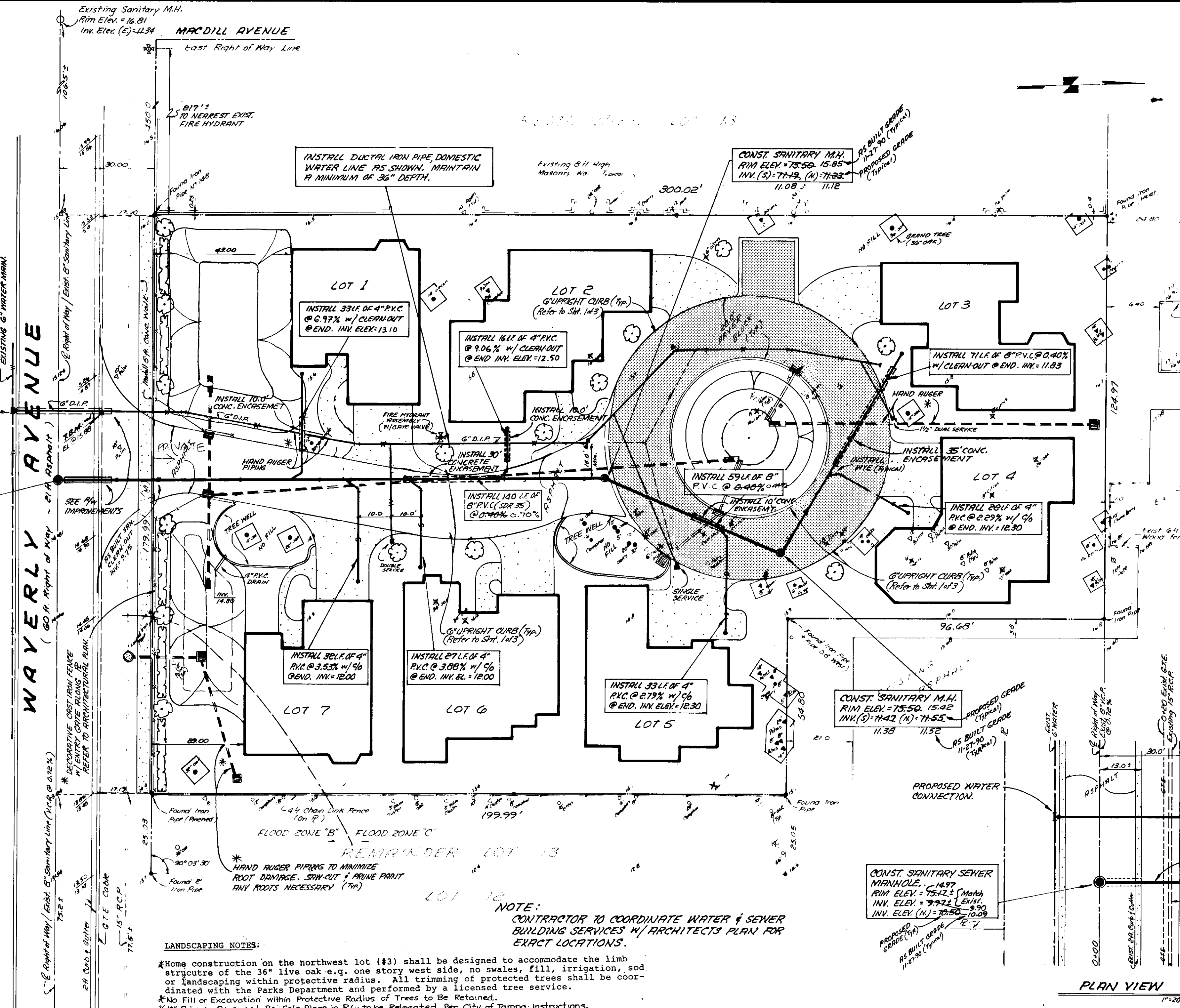
BAY VISTA AVE. : From MacDill Ave. to Bayshore Blvd.

DESIGN W.O. 4475

SHEET

1

As-Built 279-1



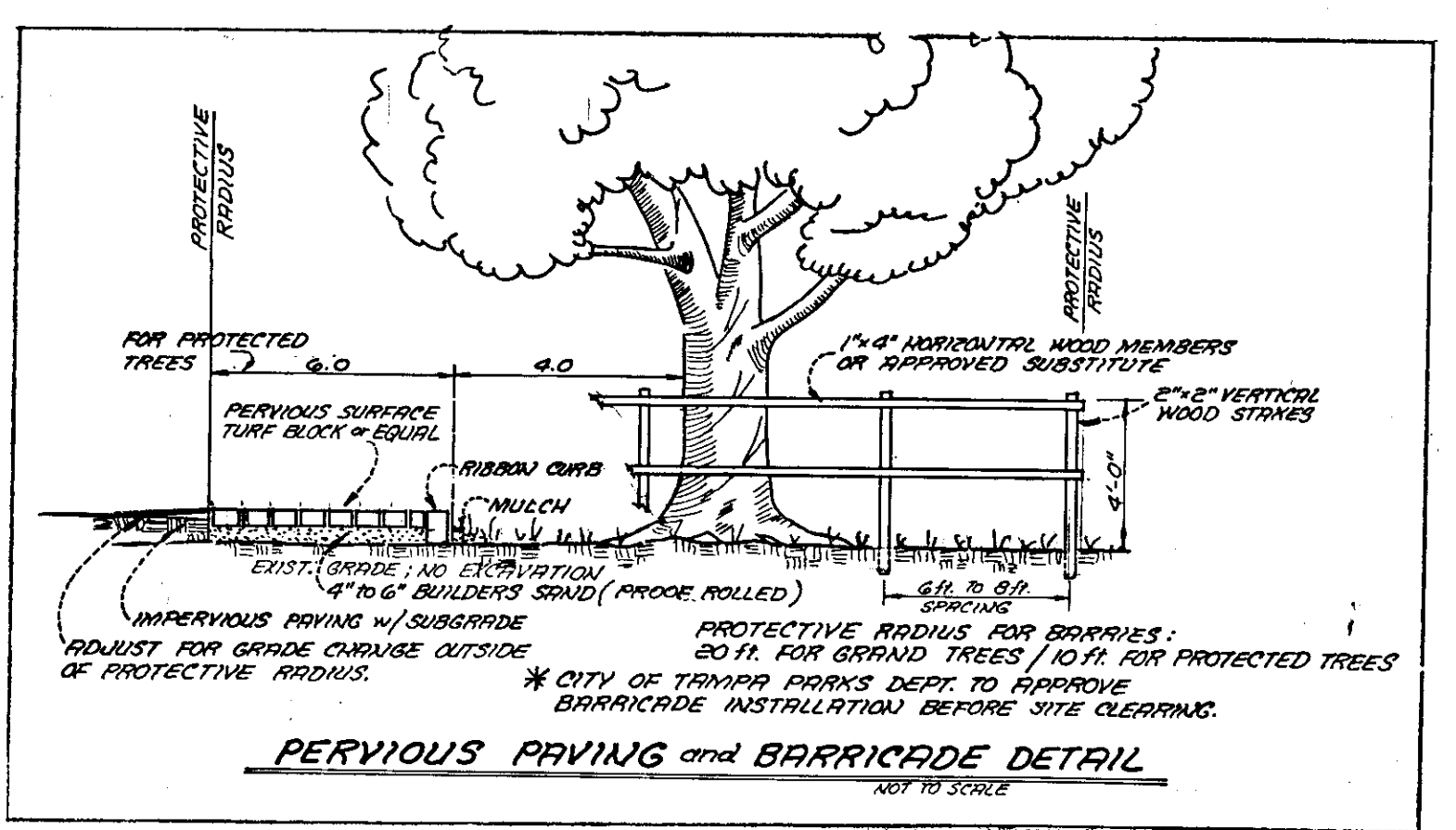
TREES RETAINED

Diam. Class	Multiplier	# Retained	Credit Retained
36" +	7	1	7
30 - 35"	6	1	6
26 - 29"	5	1	5
20 - 25"	4	3	12
13 - 19"	3	7	21
8 - 12"	2	5	10
2 - 7"	1	1	1
RELOCATED TREES			
2 - 7"	1	1	1
TOTAL		20	63

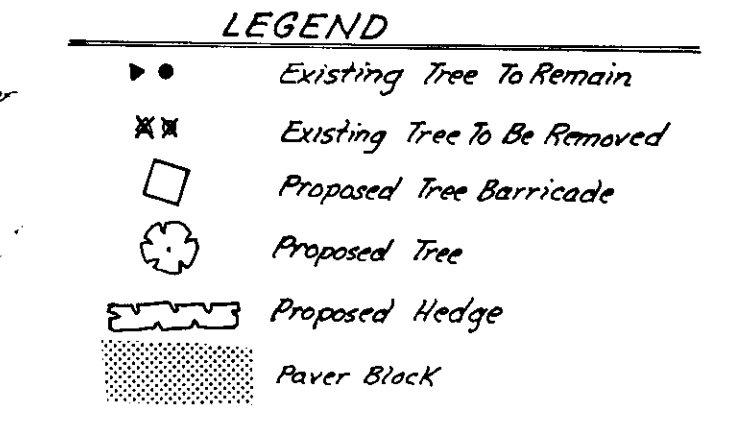
TREES REMOVED

Diam. Class	Multiplier	# Removed	Replace
36" +	7	2	12
30 - 35"	6	1	6
26 - 29"	5	1	5
20 - 25"	4	2	8
13 - 19"	3	2	6
8 - 12"	2	7	14
2 - 7"	1	1	1
TOTAL		12	37

Net No. of Trees Required/Credited: 37/63



INFRASTRUCTURE PLANTING / TREE PER 40' OF DRIVEWAY.



Engineer shall not be held responsible for premature pavement failure within limits of landscape-approved paving areas (i.e. pervious pavement within protective radius of existing trees).

- LANDSCAPING NOTES:**
- All plant material shall be Grade #1 or better as given in the latest "Grades and Standards for Nursery Plants, Part I and II".
 - At the time of planting, a tree shall have a minimum diameter of 4" at 6" above grade, a minimum height of 8 feet, and a minimum pervious planting area of 64 SP with a minimum radius within the planting area of 4 feet.
 - The trees planted shall include all of the following: live oaks, laurel oaks, crepe myrtles and shall have a minimum of a five foot spread.
 - The screening hedge shall consist of virburnum and/or podocarpus, 24" in height (minimum) planted 3 feet on center.
 - All landscaped areas shall have 100% irrigation coverage. The source of water shall be the City of Tampa waterline fronting the property.
 - Shop drawings or irrigation system shall be submitted to engineer/architect for approval prior to installation.
 - * HAND RUBBER PIPING AROUND EXISTING TREES WHERE NOTED ON PLAN TO MINIMIZE ROOT SYSTEM DAMAGE. SAN-CUT & PRUNE PRUNE ANY ROOTS ENCOUNTERED.

- GENERAL NOTES:** (See Sheet 1 of 3 for Additional Notes)
- All paving and drainage construction shall conform to the latest standards and specifications of the City of Tampa Department of Public Works.
 - All water line construction shall conform to the latest standards and specifications of the City of Tampa Water Department.
 - All sanitary construction shall conform to the latest standards and specifications of the City of Tampa Department of Sanitary Sewers.
 - Engineer/Surveyor shall not be held responsible for undetected underground utilities/soil conditions.
- Prior to construction, it is the contractor's responsibility to locate existing utilities and to notify all appropriate utilities and governing agencies. It is also the contractor's responsibility to bring any potential conflicts to the attention of the Engineer prior to construction.
- Construction shown on these plans is permitted only for the work located within the private property. All work within the City rights-of-way and easements will require a separate permit and may require an alteration to the construction or materials shown on these plans. Right-of-way permit applications should be submitted no later than 30 days before that right-of-way or easement work is to commence. For additional information and specific requirements for right-of-way permits, contact DPW Transportation Division at 223-8027.
 - Contractor to CALL CANDY, 1-800-282-8881, 24 hours prior to start of construction.

- EROSION & SEDIMENTATION CONTROL:**
- Contractor to grade cleared site to optimize retention during construction. Exposed soil areas to be scarified as necessary. Sand bags or hay bales may be utilized if required to contain runoff and mitigate erosion.
 - During construction, vehicles leaving the site to have wheels cleaned prior to entering City right-of-way.

LANDSCAPING NOTES:

* Home construction on the northwest lot (#3) shall be designed to accommodate the limb structure of the 36" live oak e.g. one story west side, no swales, fill, irrigation, sod or landscaping within protective radius. All trimming of protected trees shall be coordinated with the Parks Department and performed by a licensed tree service.

* No Fill or Excavation within Protective Radius of Trees to be Retained.

* 12 Pavers in Proposed Bay Fair Place in R/W to be Relocated Per City of Tampa instructions.

Fire District Requirements:

- Restrictions outlined in Chapter III, Standard Building Code are met.
- Fire limits are listed and recorded with the City Clerk.

Code Reference: All construction complies with the following currently adopted codes:

- Fire Prevention Code, Chapter 14, Tampa Code, which includes (1) National Fire Protection Association, Volumes 1-16, and, (2) N.F.P.A. 101, Life Safety Code.
- Building & Building Regulations, Chapter 45, Tampa Code - Standard Building Code.

CONSTRUCTION TESTING/INSPECTION:

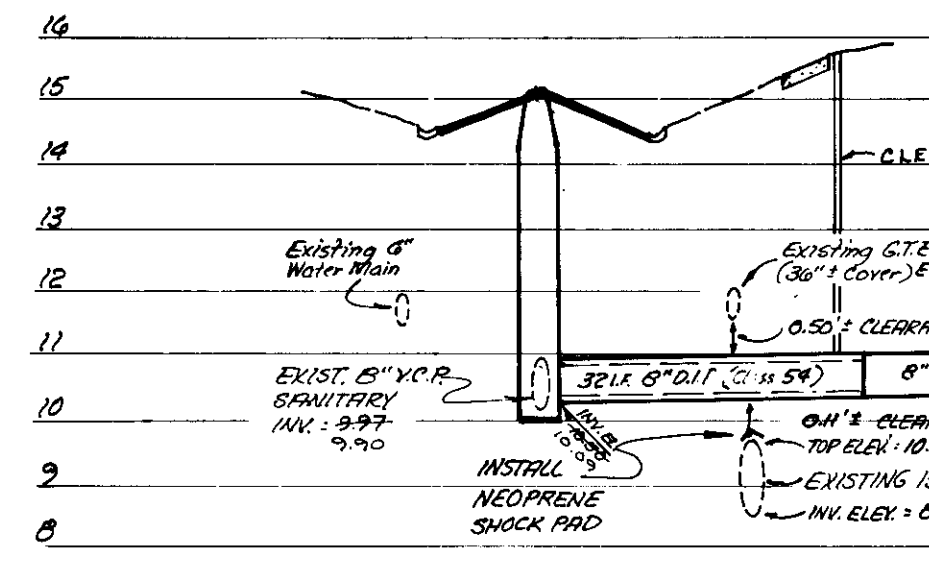
It shall be the contractor's responsibility to schedule and complete any and all tests as required with all site civil improvements constructed on and off-site. It shall also be the contractor's responsibility to pre-test these improvements prior to giving the engineer of record and governing agency field representatives 48 hours advance notice of any formal tests.

NOTE: CONTRACTOR TO COORDINATE WATER & SEWER BUILDING SERVICES W/ ARCHITECT'S PLAN FOR EXACT LOCATIONS.

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

The certificate of occupancy will not be issued until the following has been completed:

- Final inspection in conjunction with department personnel completed.
- As-builts have been submitted and accepted.
- All necessary testing completed and certified.
- Payment of all connection fees.



REVISIONS

BY	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
G.R.B.	02-23-90	Revised Water Locations / SIZE / PIPE			
R.J.B.	11-27-90	AS BUILT SAN. SEWER M.H.			

MILLS and ASSOCIATES, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 3822 W. AZEELE ST. • SUITE C
 TAMPA, FLORIDA 33609-3018
 TELEPHONE: (813) 878-6888

FOR
BAYFAIR PROPERTIES, INC.
 1909 SOUTH OAKMONT AVENUE
 TAMPA, FLORIDA 33629
 PH. (813) 251-0125

DRAWN BY: RJB 12-29-89
 DSGN BY: GRB 12-29-89
 CHKD BY: DTS / LEM 1-3-90
 SCALE: 1" = 20'

"AS BUILT"
 FIELD WORK COMPLETED
 11-27-90

Lawrence E. Mills, P.E. No. 22324
 P.L.S. No. 3141
 State of Florida

PROJECT BAYFAIR
 A REPEAT OF A PORTION OF PINEHURST, ALSO BEING A REPEAT OF A PORTION OF LOT 13 OF PLYMOUTH SUBDIVISION OF GOVERNMENT LOT 3, HILLSBOROUGH COUNTY, FLORIDA. LYING IN SECTION 34, TWP 29S, RGE 18E. 3003 WEST WAYERLY AVENUE TAMPA, FLORIDA

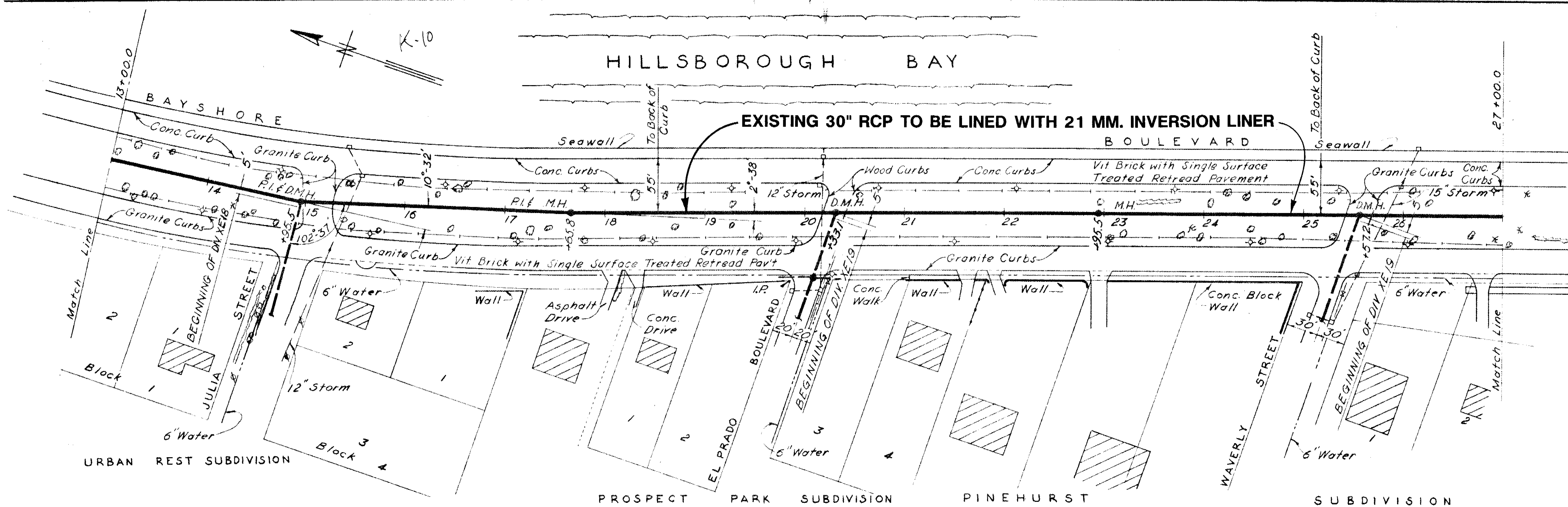
WATER, SEWER & LANDSCAPING PLAN

SHEET 2 OF 4
JOB NO. 88-032

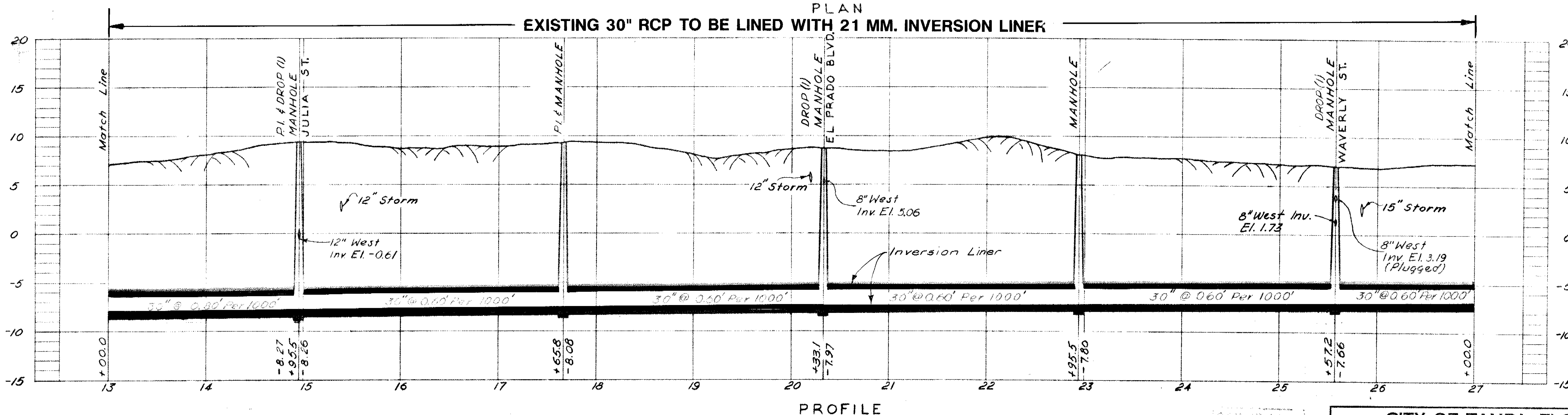
As-Built 292-21

HILLSBOROUGH BAY

EXISTING 30" RCP TO BE LINED WITH 21 MM. INVERSION LINER



PLAN
EXISTING 30" RCP TO BE LINED WITH 21 MM. INVERSION LINER



PROFILE

SEWER LINE
LOCATION
K-10-16

CITY OF TAMPA, FLORIDA
SEWAGE DISPOSAL SYSTEM
DIVISION XB6a

BAYSHORE INTERCEPTING SEWER
STA. 13+00 TO STA. 27+00

GREELEY AND HANSEN
ENGINEERS
CHICAGO, ILL.

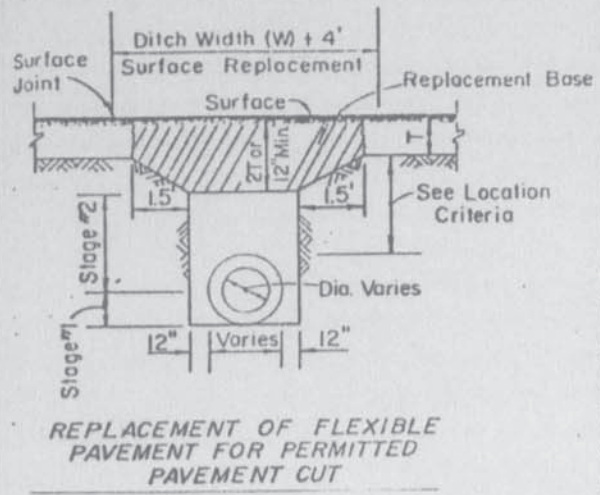
AS-BUILT PLAN
Revised to show actual conditions according to
construction records as of 9-26-56
(R.V.J. 12-12-56)

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

SCALE
0 50 100
1" = 50'

SHEET
XB6a-4
OF 10

294-46



REPLACEMENT OF FLEXIBLE PAVEMENT FOR PERMITTED PAVEMENT CUT

DENSITY PROCEDURES:

The backfill for the first and second stages shall be placed in 6" layers (compacted thickness) and shall be compacted to 100% of maximum density as determined by AASHTO T-99, (standard proctor)

Stage #1

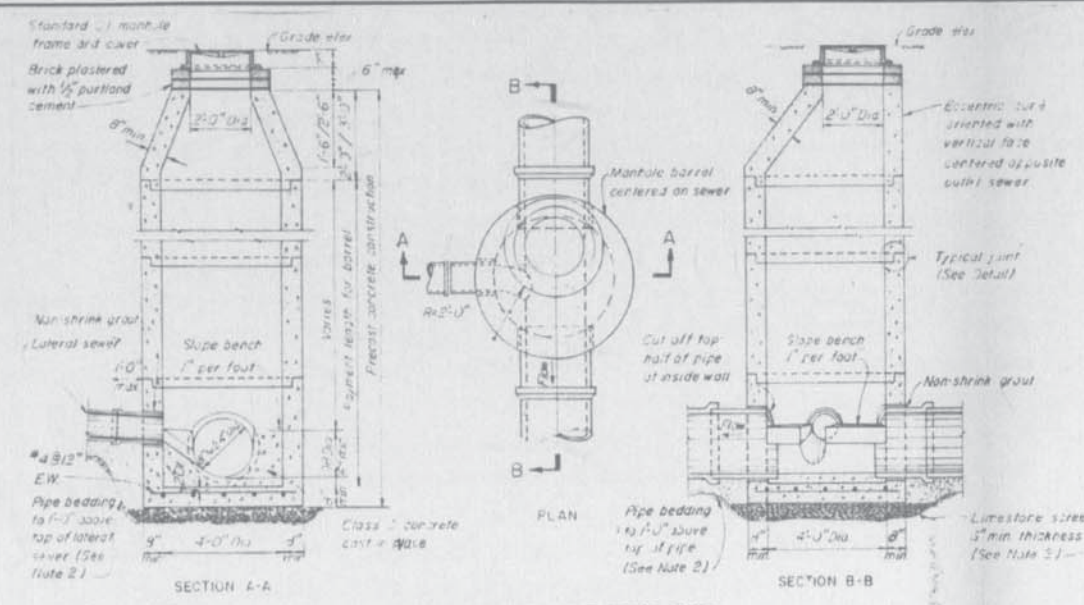
The permittee shall provide adequate compacted fill beneath the haunches of the pipe, using mechanical tamps suitable for this purpose. This compaction applies to the material placed beneath the haunches of the pipe and above any bedding required.

Stage #2

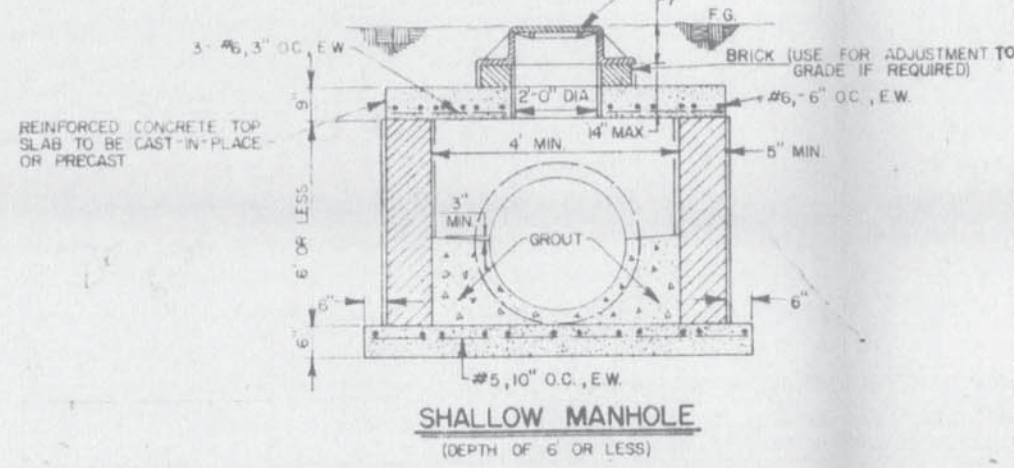
The permittee shall obtain a well-compacted bed and fill along the sides of the pipe and to a point indicating the top of sub-grade material.

General Notes:
 Base and backfill materials shall be either of the same type and composition as the materials removed, or of equal or greater structural adequacy. Materials contaminated with deleterious substances during excavation shall not be used.
 Replaced base material over ditch shall be twice the thickness of the original base.
 Base material shall be placed in two or three layers and each layer thoroughly rolled or tamped to the specified density.
 Asphalt concrete pavement joints shall be mechanically sawed.
 Surface treated pavement joints shall be lapped and feathered.
 Surface material will be consistent with the existing surface.

LIMEROCK, SAND-CLAY, SHELL, ETC. BASES:
 6" Layers Compacted Thickness Density Requirements (percent of max.)
 95% Under Roadway
 95% Outside the Traveled Roadway, Such as Intersections, Cross-overs, Turnouts, etc.
 95% Shoulder Pavement
 Method AASHTO T-180 (modified proctor)

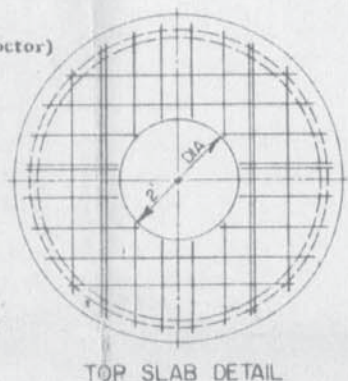


STANDARD MANHOLE-DEEP TYPE FOR SEWERS 24" OR LESS IN DIAMETER

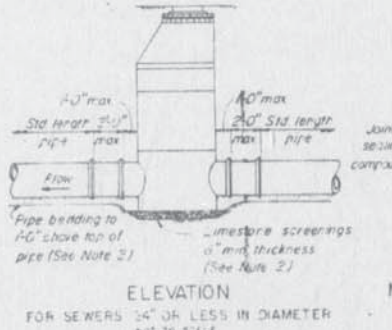


SHALLOW MANHOLE (DEPTH OF 6" OR LESS)

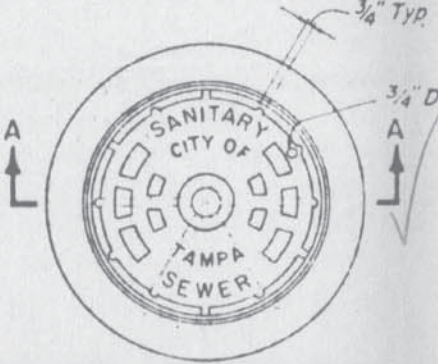
GENERAL NOTES:
 1. BASE SECTIONS SHALL BE SET ON A LEVEL, COMPACTED BED AT LEAST 8" THICK BED SHALL BE SCREENED GRAVEL.
 2. STRAIGHT BARREL SECTIONS SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO THE LATEST EDITION OF ASTM STANDARD SPECIFICATION C-76, TABLE B, WALL B. LIFT HOLES WILL NOT BE PERMITTED, PROVIDE EQUALLY SPACED LIFTING LUGS OR RINGS.
 3. THE ENTIRE INTERIOR & EXTERIOR SURFACES OF ALL MANHOLES SHALL BE COATED A MINIMUM OF 12 MILS DRY FILM THICKNESS WITH INERTOL "POKITAR" OR APPROVED EQUAL.
 4. SEWER MANHOLE COVERS SHALL HAVE THE WORDS "SANITARY SEWER" CAST INTEGRALLY IN THE COVER.



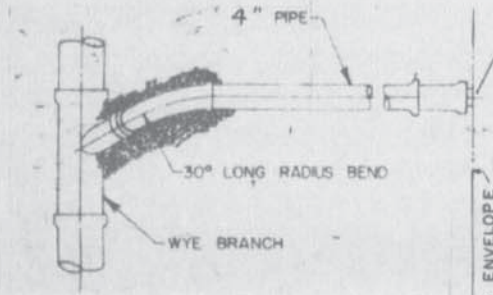
TOP SLAB DETAIL



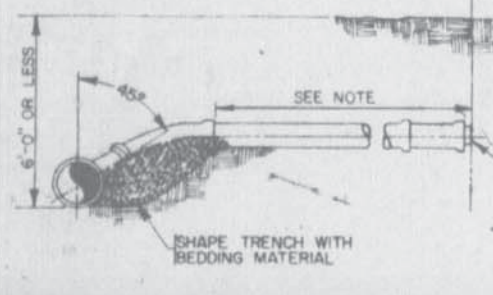
MANHOLE BARREL JOINT DETAIL



PLAN



REMOVABLE PLUG (NOT INCLUDED IN PAY ITEM)

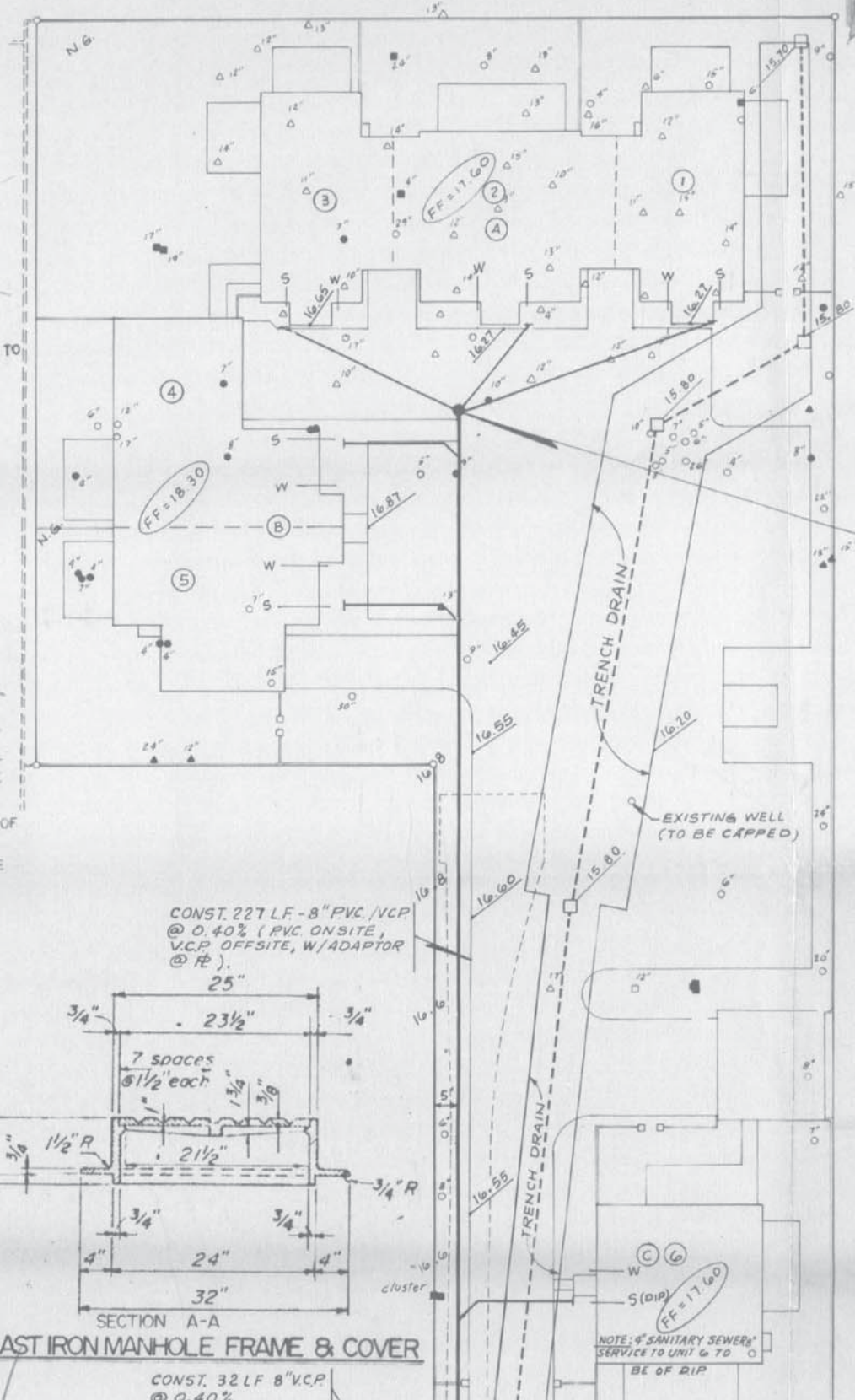


REMOVABLE PLUG (NOT INCLUDED IN PAY ITEM)

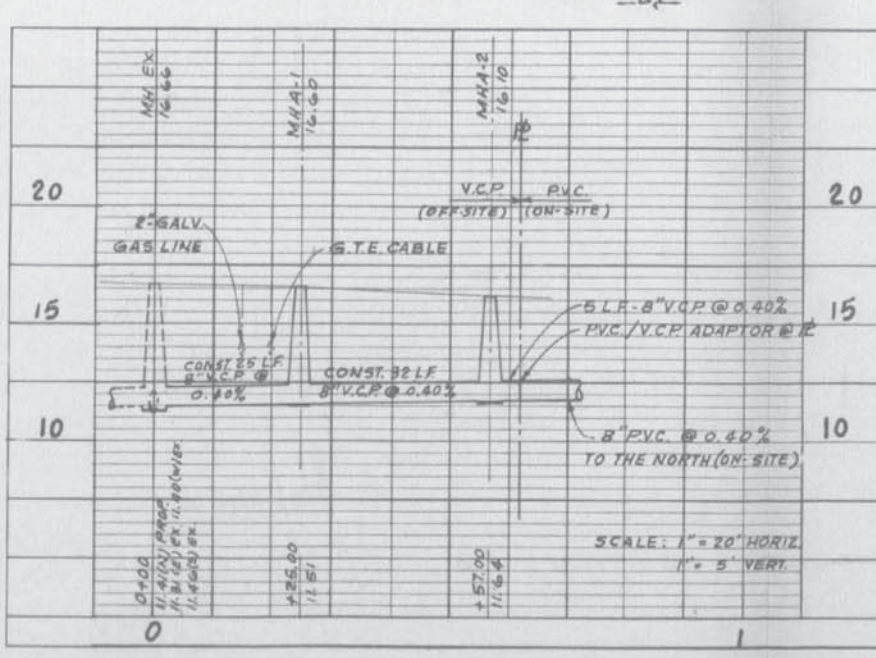
NOTE: MINIMUM SLOPE 1/8" PER FOOT USE GREATER SLOPE WHEN POSSIBLE.

NOTES:
 1. All pipe shall be installed as for future construction or after existing structures are provided with water tight check pieces from within the manhole.
 2. See Specifications for material requirements and procedures and distribution of pipe bedding and manhole screenings.
 3. Standard shallow type manholes with depths between a maximum of 1'-0" and a minimum of 5'-0" must have a concrete base for the top section.
 4. All manhole joints must be sealed with an acceptable joint sealant, regardless of whether an O-ring seal is a performance procedure used.
 5. Shallow Type manholes with depths between a maximum of 5'-0" and a minimum of 4'-0" shall be constructed of brick with a 3'-0" inside diameter and concrete cover as shown above. Manholes with depths less than 4'-0" will not be accepted.

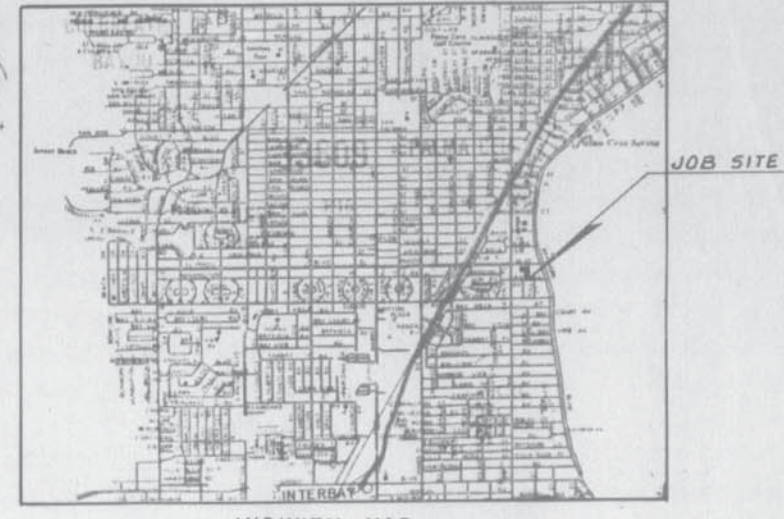
STANDARD SERVICE CONNECTION (TO BE USED WHEN DEPTH OF MAIN IS 6'-0" OR LESS)



STD. CAST IRON MANHOLE FRAME & COVER



SCALE: 1" = 20' HORIZ 1" = 5' VERT



VICINITY MAP
 SCALE: 1" = 0.663 MILE
 I.L.G.N.U.
 EXISTING GRADE
 PROPOSED GRADE
 PROPOSED STORM DRAINAGE PIPE & STRUCTURE
 POWER POLE & GUY WIRE
 SINGLE SANITARY SEWER SERVICE CONNECTIONS AT MINIMUM 1.00% GRADE

MHA-3 (2+84)
 TOP = 16.20
 INV. = 12.52
 = 12.82 (4" SINGLE SERVICES)

W — WATER SERVICE FROM BLDG.
 S — 4" SANITARY SEWER SERVICE FROM BLDG.
 --- EXISTING SANITARY MANHOLE & GRAVITY LINE
 --- PROPOSED SANITARY MANHOLE & GRAVITY LINE

REGENTS PARK
SANITARY SEWER CONSTRUCTION NOTES:
 1. All construction, materials, and workmanship are to be in accordance with City of Tampa Standard Specifications for Sanitary Sewers, latest edition (off-site) - Hillsborough County Specifications (on-site).
 2. Contractor shall coordinate all work within, but not limited to, City of Tampa rights-of-way with utility companies in order to prevent damage to utility lines and the making of adjustments to same, if required.
 3. Contractor shall be responsible for obtaining any and all road crossing and/or utility permits.
 4. Contractor shall coordinate the tie-in to the existing 8" service with the City of Tampa, Department of Sanitary Sewers.
 5. Cross and muck, or solid sod, all areas in public right-of-way disturbed by construction.
 6. The location of all 4" sanitary service lines is to be determined in the field by the Owner and/or Engineer prior to construction of same.
 7. Parking and driveway paving near buildings shall not be started until sanitary sewer and water service connections (from main to individual units) have been completed.

REVIEW SUBMITTAL-NOT APPROVED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION
 This approval applies only to those aspects of the plans submitted for review to the Design Division, Department of Sanitary Sewers and as outlined in our letter of 1/25/83.

RECEIVED
 JUN 20 1983
 DEPT. OF SANITARY SEWERS ENGINEERING

SANITARY SEWER PLAN

PREPARED FOR:
 MR. JOE DIXON, ARCHITECT
 4015 BAYSHORE BLVD.,
 SUITE 10-B
 TAMPA, FLA. 33611

HEIDT & ASSOCIATES, INC.
 CIVIL ENGINEERING
 LAND SURVEYING

JOB NO. DATE SCALE REVISIONS
 JD-WA-83-100 APRIL 25, 1983 1" = 20'

FILE NO. *W. Bahlke*

WILLIAM R. BAHLKE, F.L.A. REG. ENG. 36521

SE 4996
 CLM 467193