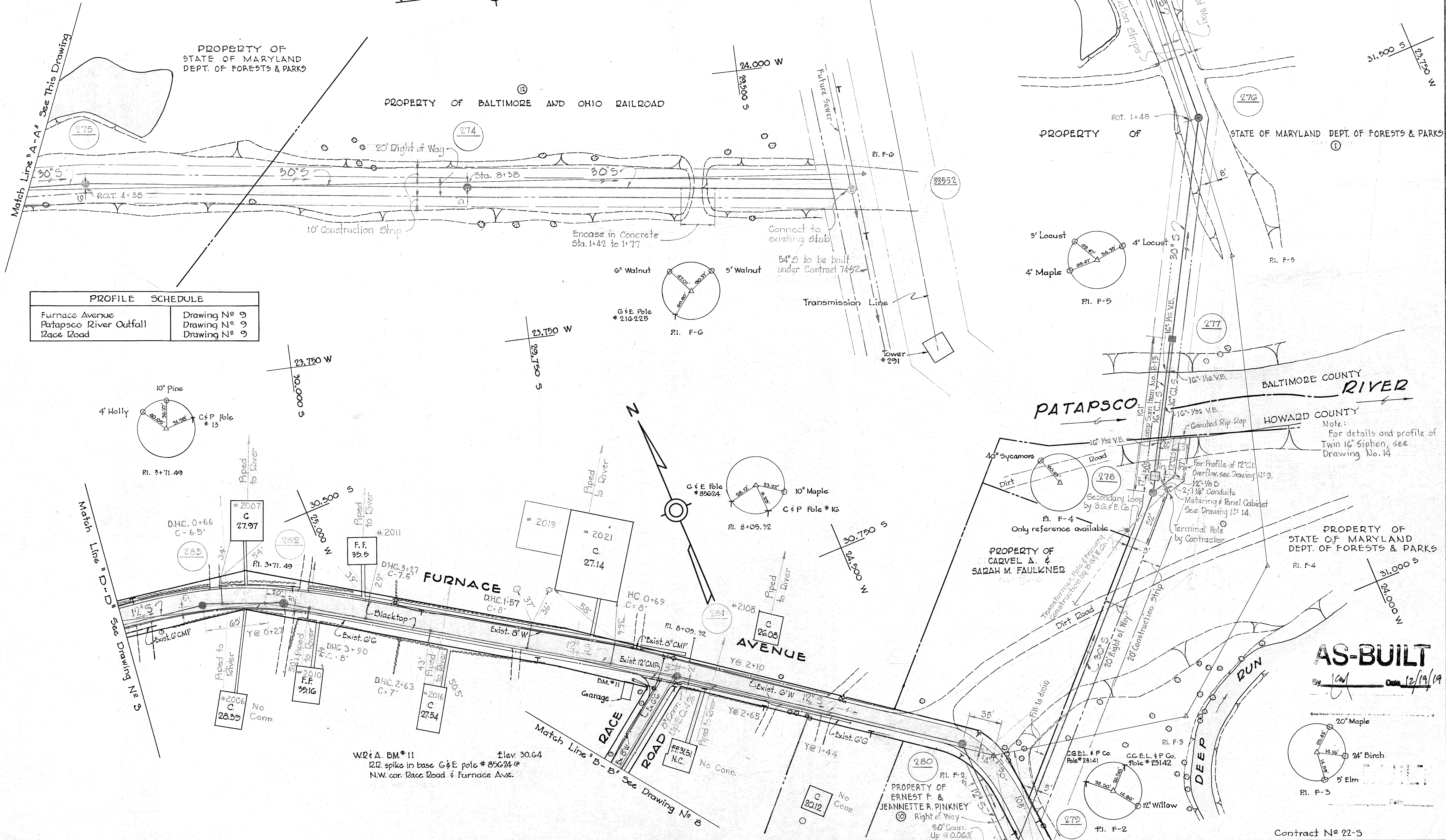


CONTRACT 22 S
SEWER MAIN EXTENSIONS
HOWARD COUNTY METROPOLITAN COMMISSION
ELKRIDGE SUB-DISTRICT

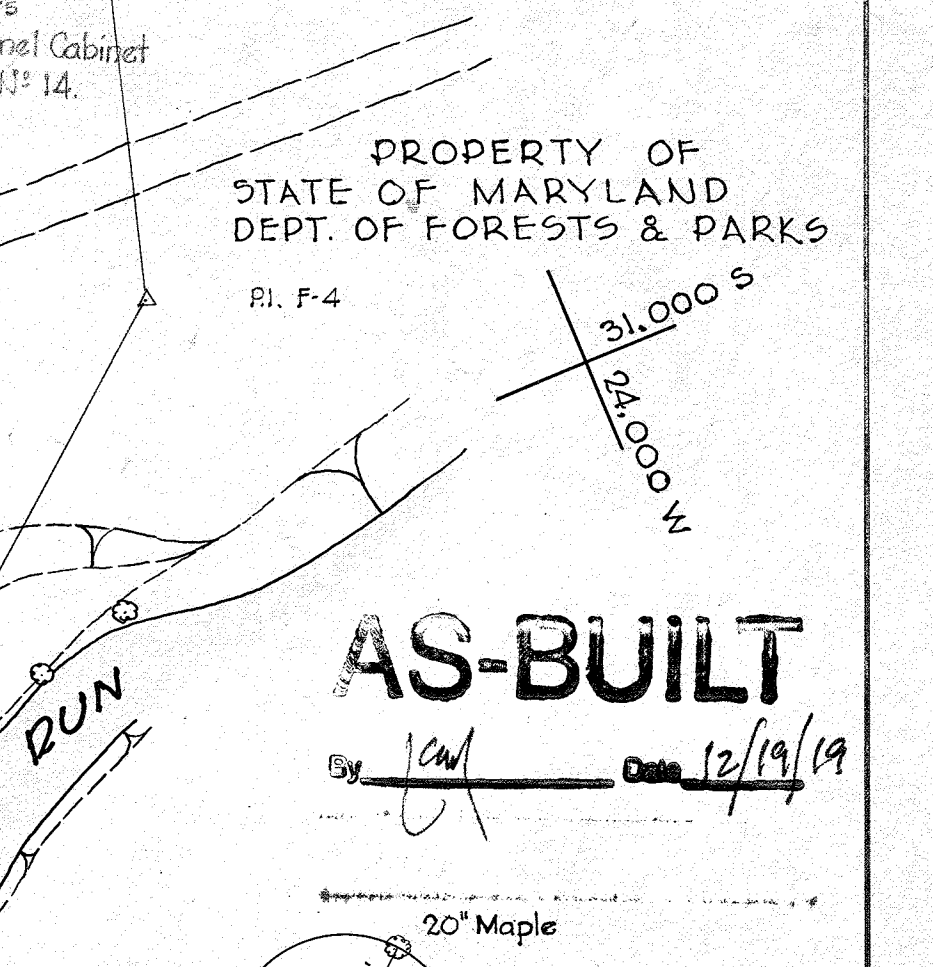
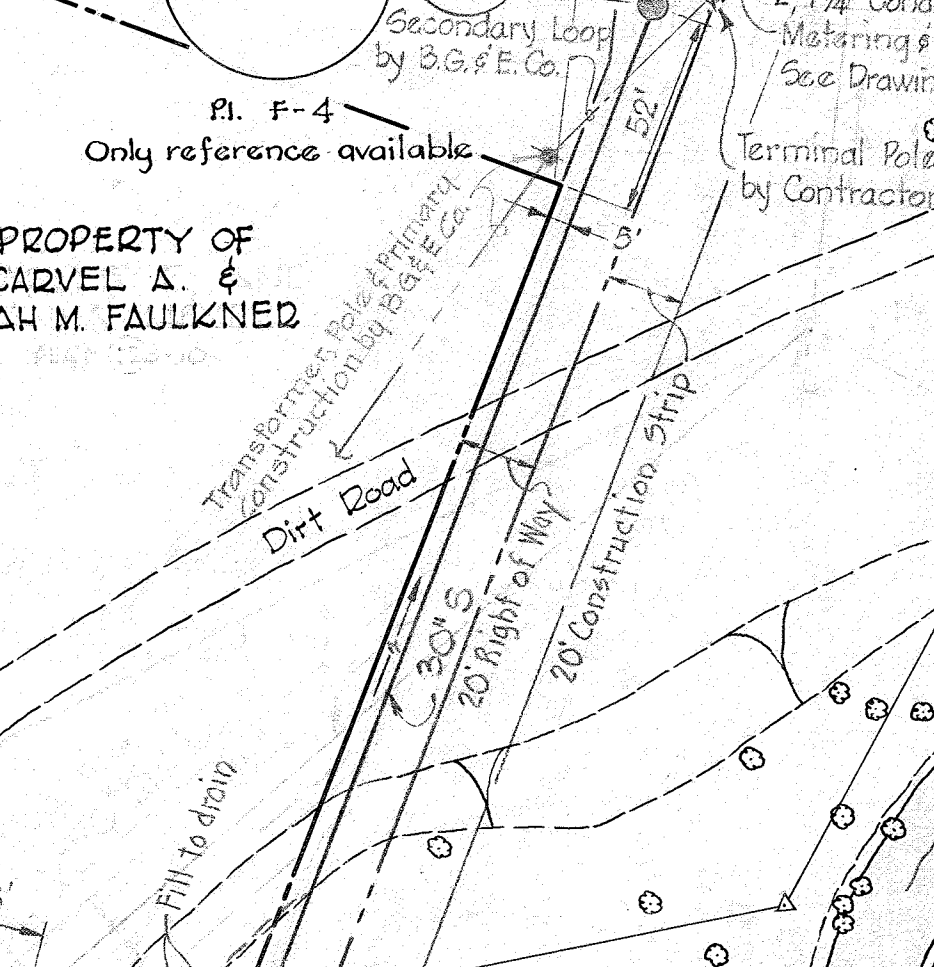
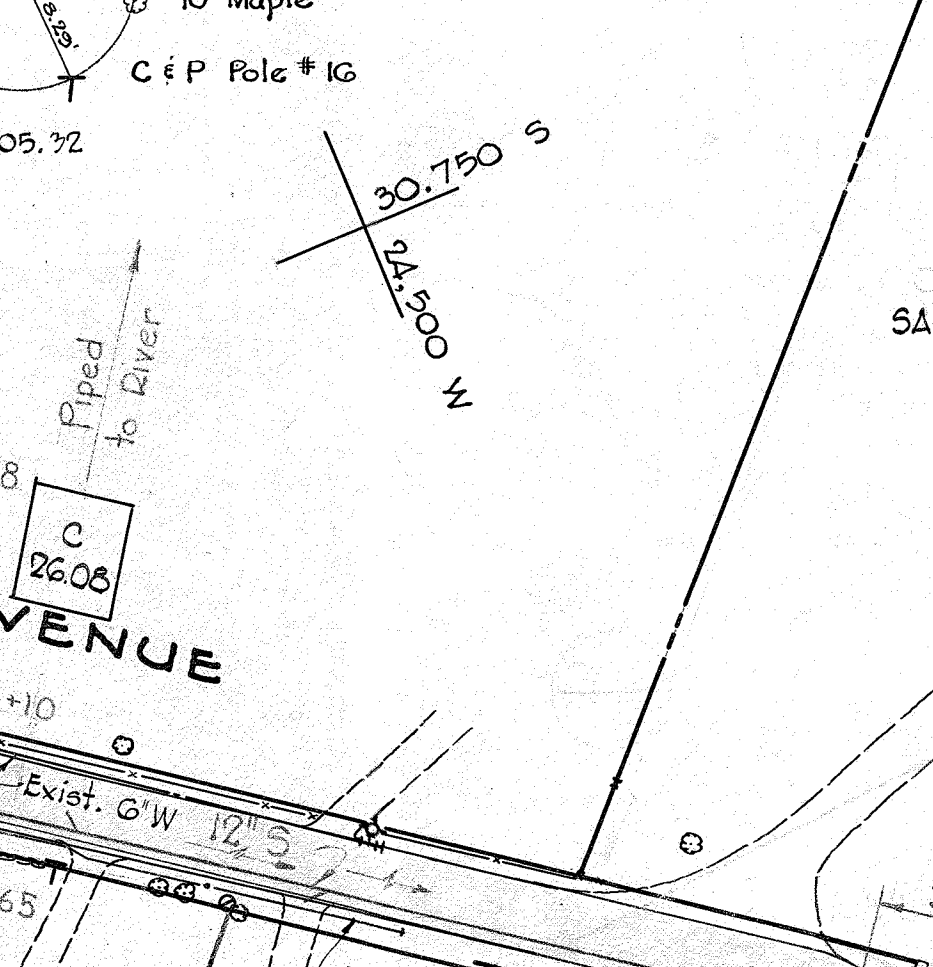
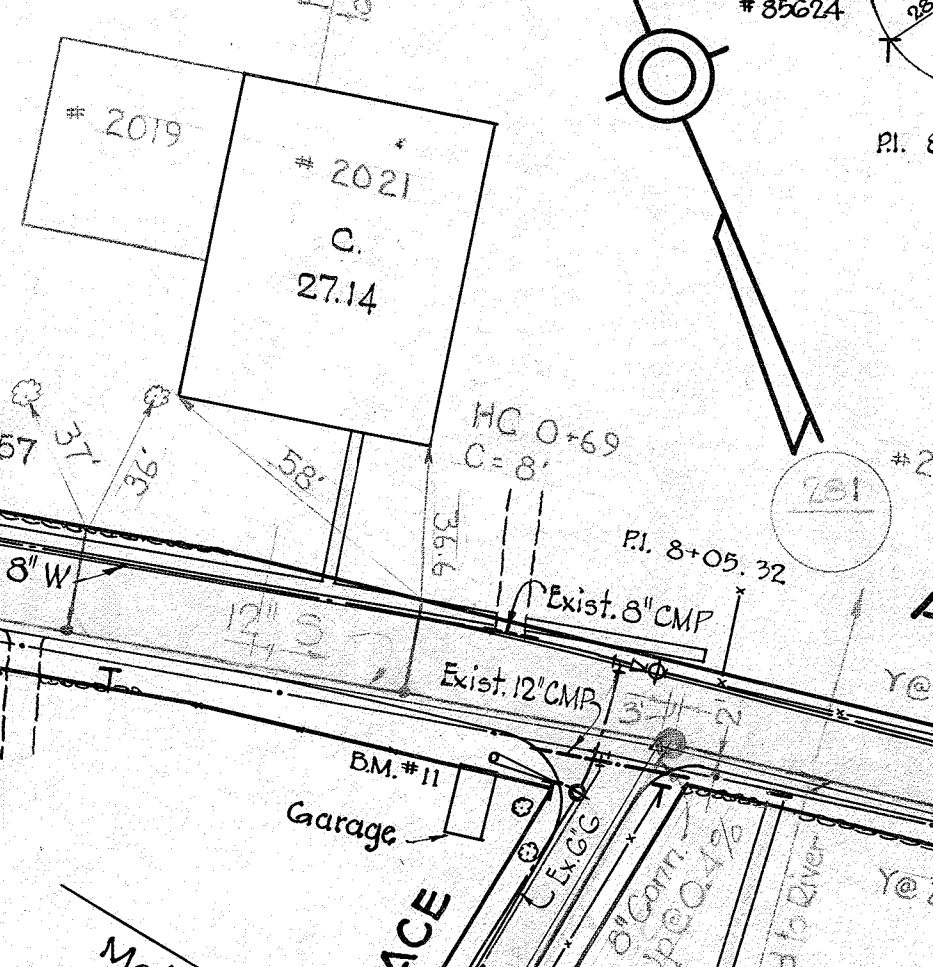
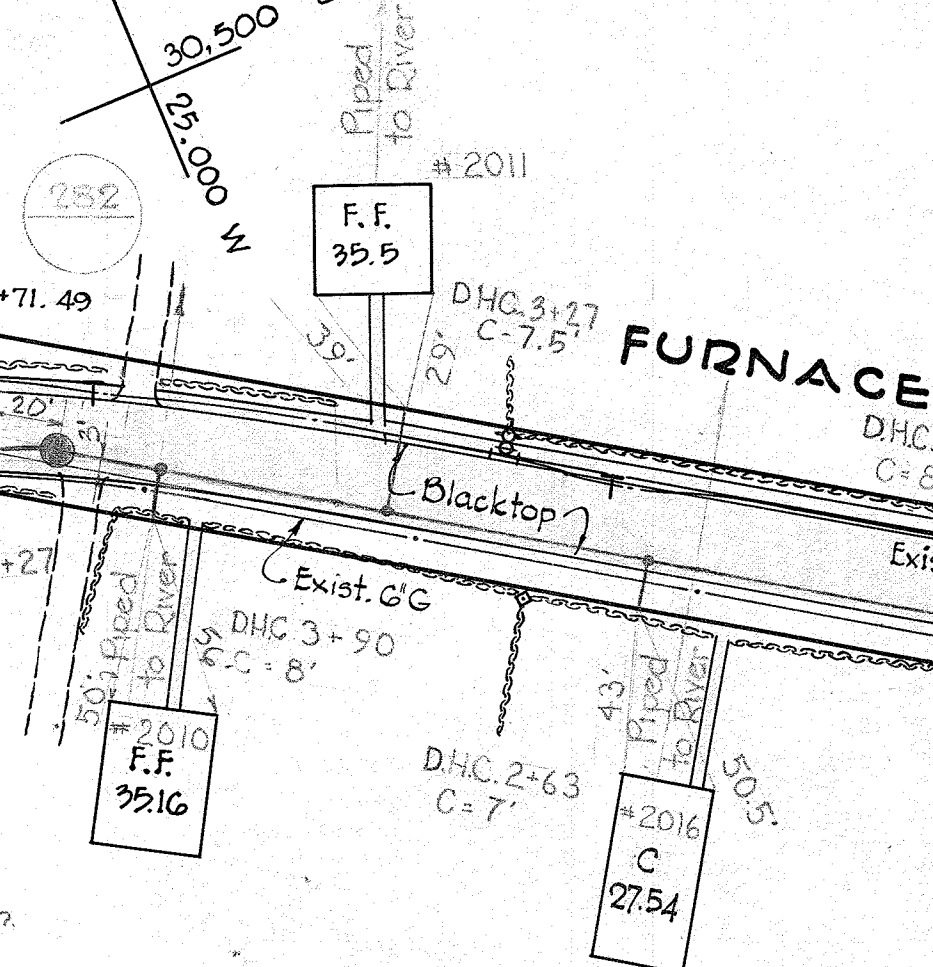
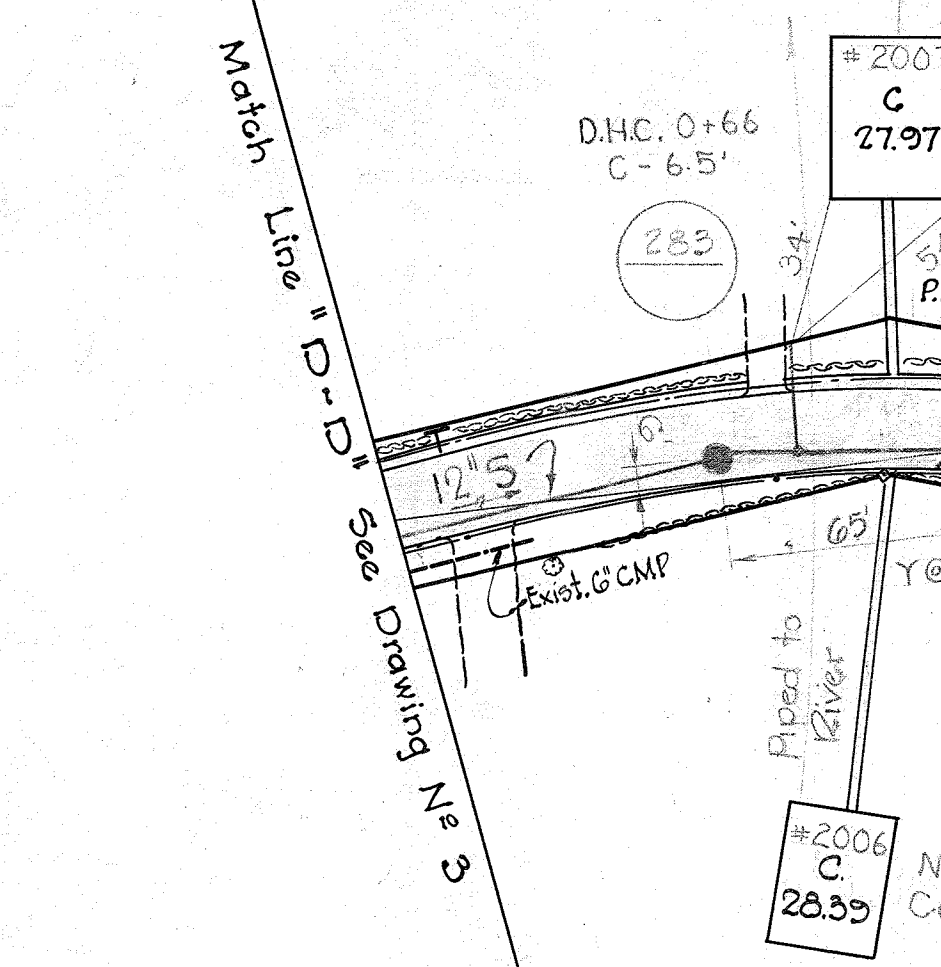
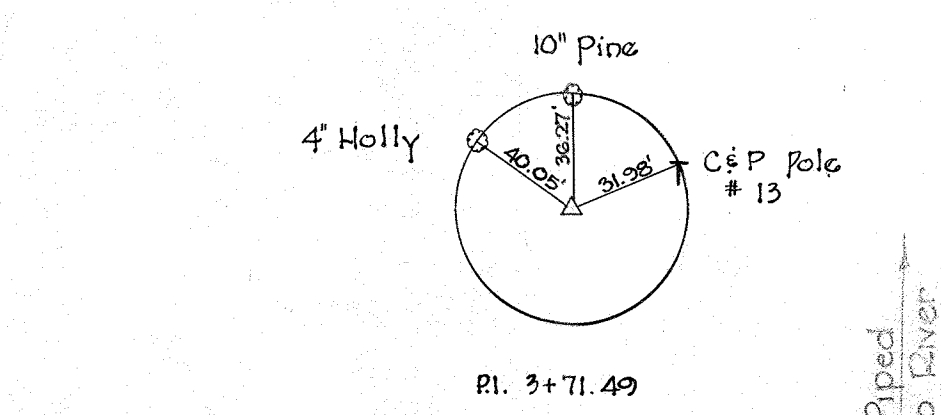
AS-BUILT
[Signature]

1/5 22 S/

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 15, 1961 <i>[Signature]</i> DATE CHIEF ENGINEER	CONTRACT NO. 22-S	LOCATION MAP	ELKRIDGE SUB - DISTRICT	Contract No 22-S DRAWING NO. 1 OF 15	SCALE AS SHOWN
---	--	-------------------	--------------	-------------------------	--	----------------



PROFILE SCHEDULE	
Furnace Avenue	Drawing N ^o 9
Patapsco River Outfall	Drawing N ^o 9
Race Road	Drawing N ^o 9



W.S. 225/2

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION
March 15, 1961
DATE
Chief Engineer

CONTRACT NO. 22-5

PLAN OF
SEWER MAINS

ELKBRIDGE SUB - DISTRICT

DRAWING NO. 2 OF 15
SCALE 1" = 50'

W. O. 4229-2

AS BUILT 128 APR. 66

F.B. 2000, 2505

F.M.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	SEE TITLE SHEET	86	436

SHA 73.0-46
12-1-83

STATE HIGHWAY ADMINISTRATION
OF MARYLAND
BUREAU OF SOILS AND FOUNDATIONS

FOUNDATIONS BORING LOG

CONTRACT NO. B 547-501-472 BORING NO. V-1 NO. 1 OF 3 BORINGS
SHEET 1 OF 3

DESCRIPTION Sewer Line Relocated on I-195 HAMMER DROP 30 IN.
STATION 174+30 DRIVE HAMMER LB

SURFACE ELEVATION 17.0 DATE STARTED 8/28/84 SPOON HAMMER 110 LB
DATE COMPLETED 8/28/84 CASING AUGER SIZE 3 3/8 IN.

WATER TABLE DATE COMPLETED 8/28/84 SPOON SIZE 2 IN.
DRILLER L. Clarke SIZE OF CORE IN.
RIG TYPE B-10 SIZE OF BIT IN.
RIG NO. 80210 CORE BARREL TYPE
AUGER DEPTH 18.5'

DEPTH IN FEET	MATERIAL CLASSIFICATION	SAMPLE NO.	SPLOON	DEPTH	REMARKS	DEPTH IN FEET	SAND PERCENT
0.0'	Moist Stiff Brown Sandy Silt With Gravel	1	5-5	0.0'		1	0.0%
2.5'	Moist Stiff Gray Organic Sandy Silt	2	5-6	3.5'		2	1.5%
8.5'	Moist Hard Gray Silty Clay	3	11-17	8.5'		3	5.0%
12.5'	Moist Dense Brown Sand With Some Silt, With A Layer Of Iron Ore @ 18'6"	4	17-19	13.5'		4	15.0%
18.5'		5	100	18.5'		5	18.0%

CONTRACT NO. B 547-501-472 BORING NO. V-2 NO. 2 OF 3 BORINGS
SHEET 2 OF 3

DESCRIPTION Sewer Line Relocation on I-195 HAMMER DROP 30 IN.
STATION 174+85 DRIVE HAMMER LB

SURFACE ELEVATION 15.7 DATE STARTED 8/28/84 SPOON HAMMER 110 LB
DATE COMPLETED 8/28/84 CASING AUGER SIZE 3 3/8 IN.

WATER TABLE DATE COMPLETED 8/28/84 SPOON SIZE 2 IN.
DRILLER L. Clarke SIZE OF CORE IN.
RIG TYPE B-10 SIZE OF BIT IN.
RIG NO. 80210 CORE BARREL TYPE
AUGER DEPTH 18.5'

DEPTH IN FEET	MATERIAL CLASSIFICATION	SAMPLE NO.	SPLOON	DEPTH	REMARKS	DEPTH IN FEET	SAND PERCENT
0.0'	Moist Medium Dense To Very Dense Brown Sand And Gravel (Fill)	1	11-5	0.0'		1	0.0%
8.0'	Wet Very Dense Brown Sand And Gravel	3	11-14	8.5'		3	10.0%
12.0'	Moist Hard Vari-colored Fine Sandy Clay	4	12-18	13.5'		4	15.0%
18.0'	Moist Very Hard Vari-colored Clay	5	23-27	18.5'		5	20.0%

CONTRACT NO. B 547-501-472 BORING NO. V-3 NO. 3 OF 3 BORINGS
SHEET 3 OF 3

DESCRIPTION Sewer Line Relocation on I-195 HAMMER DROP 30 IN.
STATION 174+58 55' RT. DRIVE HAMMER LB

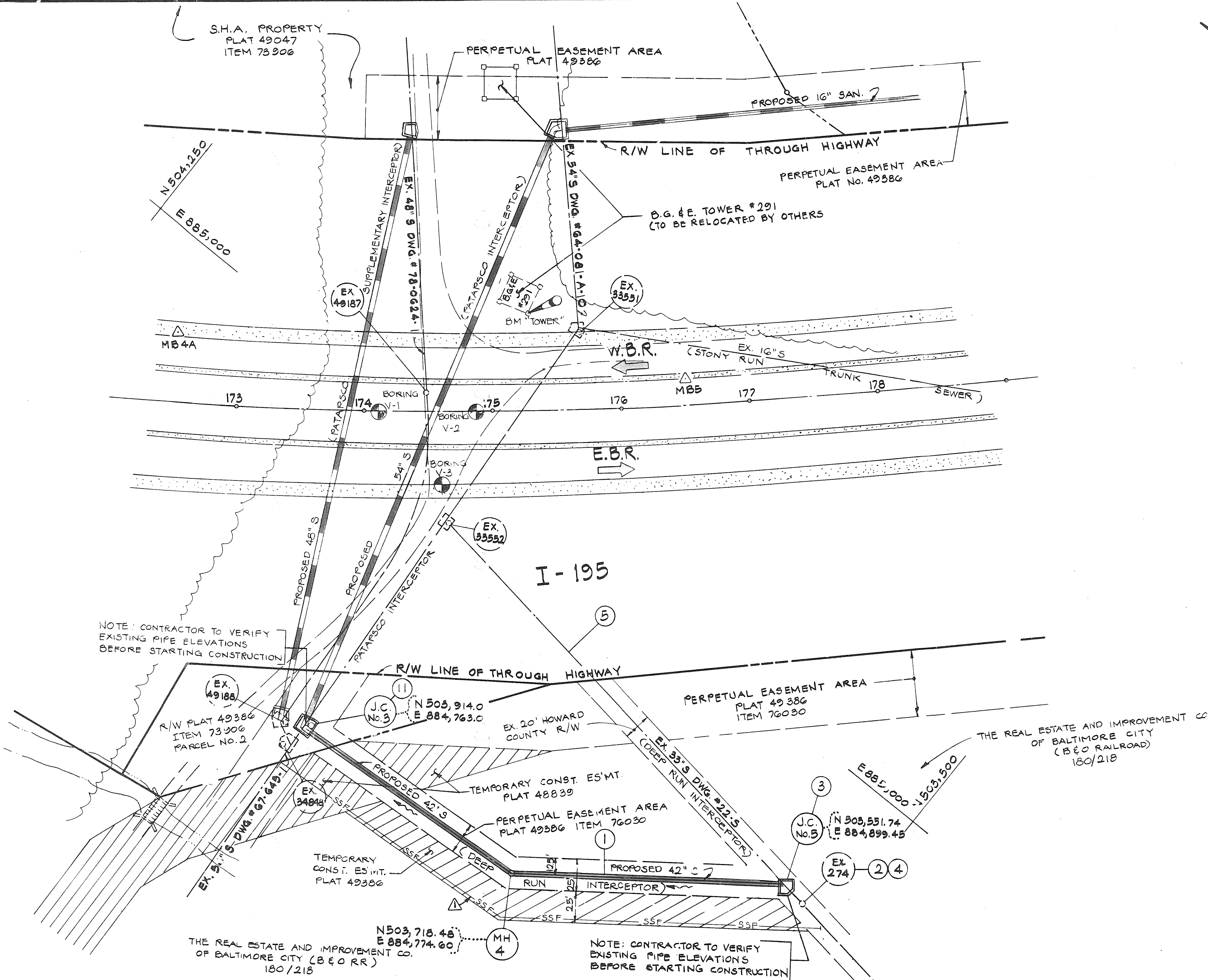
SURFACE ELEVATION 15.1 DATE STARTED 8/28/84 SPOON HAMMER 110 LB
DATE COMPLETED 8/28/84 CASING AUGER SIZE 3 3/8 IN.

WATER TABLE DATE COMPLETED 8/28/84 SPOON SIZE 2 IN.
DRILLER L. Clarke SIZE OF CORE IN.
RIG TYPE B-10 SIZE OF BIT IN.
RIG NO. 80210 CORE BARREL TYPE
AUGER DEPTH 18.5'

DEPTH IN FEET	MATERIAL CLASSIFICATION	SAMPLE NO.	SPLOON	DEPTH	REMARKS	DEPTH IN FEET	SAND PERCENT
0.0'	Moist Medium Dense To Dense Brown Sand And Gravel (Fill)	1	7-11	0.0'		1	0.0%
8.0'	Moist Medium Dense Brown Sand And Gravel	3	21-12	8.5'		3	10.0%
13.0'	Moist Dense To Very Dense Brown Sand	4	10-15	13.5'		4	15.0%
20.0'		5	20-25	18.5'		5	20.0%

BORING AND SAMPLING CONFORMS TO ASHSTO DESIGNATION K206 J-251

SOIL HAS BEEN CLASSIFIED VISUALLY BY THE DRILLER



PLAN
SCALE: 1" = 50'

NOTE: PROPOSED 42" SEWER BETWEEN J.C. NO. 3 AND J.C. NO. 5 INCLUDING MH 4 AND J.C. NO. 5 REQUIRES PILE SUPPORT AS DIRECTED BY THE ENGINEER. SEE DETAILS SHEETS NO. 87 AND 87A.

SPECIAL NOTES:
HORIZONTAL CONTROL SHOWN HEREON IS BASED ON THE STATE OF MARYLAND CO-ORDINATE SYSTEM
ELEVATIONS SHOWN ARE BASED ON MARYLAND STATE DATUM
TO CONVERT TO BALTIMORE COUNTY DATUM ADD 0.81 FEET

GENERAL NOTES

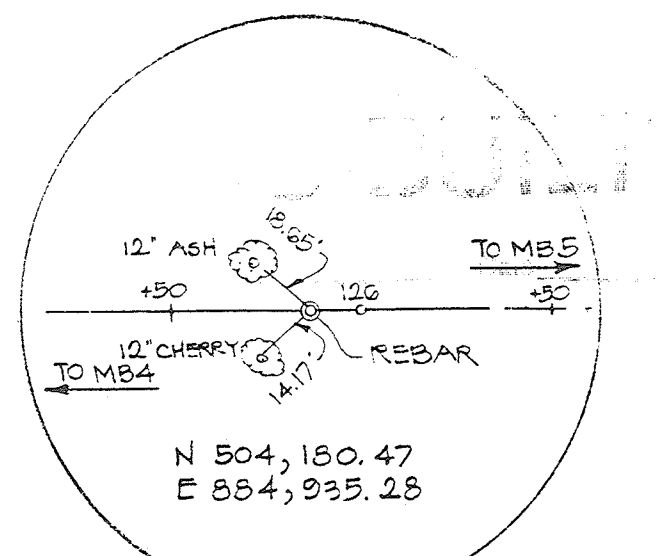
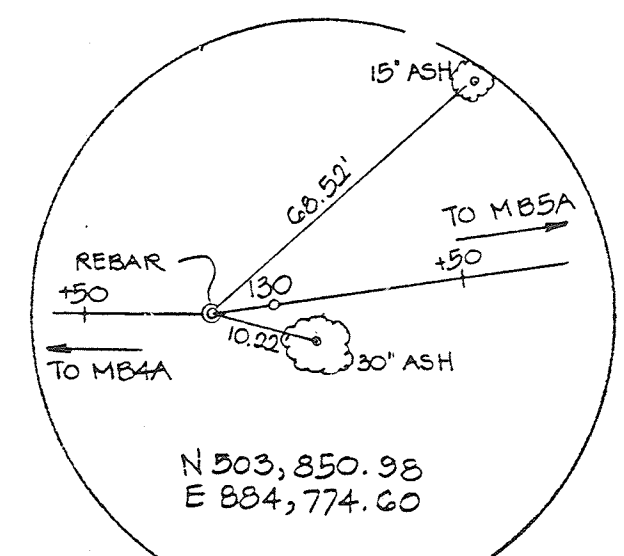
- BENCHMARK FOR CONSTRUCTION
BM "WASH" ELV. 52.89 - R/R SPIKE IN 16" LOCUST 3.5 RT M.I.R.O. BLVD. TRAVERSE LINE STA. 114+56 & 37.01 RT. CENTERLINE I-195 STA. 160+97.
BM "TOWER" ELV. 14.71 - TOP OF BOLT SW CORNER TOWER 1 FG MARKED TOWER #291, 41.5 LT. METRO. BLVD. TRAVERSE LINE STA. 128+50.

SUGGESTED SEQUENCE OF CONSTRUCTION

- CONSTRUCT 42" SAN. SEWER FROM STUB PROVIDED AT BALTIMORE COUNTY JUNCTION CHAMBER NO. 3 TO EXISTING 33" SAN. SEWER NORTH OF EXISTING MANHOLE 274.
 - PLUG OUTLET PIPE AT EXISTING MANHOLE 274 AND 33" INLET PIPE AT EXISTING JUNCTION CHAMBER 35552. PUMP FROM EXISTING MANHOLE 274 TO EXISTING MANHOLE 35552, 34888. NEW MH4 OR NEW JUNCTION CHAMBER NO. 3 AS REQUIRED FOR PROPOSED CONSTRUCTION. AFTER PLUGGING UPSTREAM SIDE OF DEEP RUN INTERCEPTOR.
 - REMOVE EXISTING 33" SAN. SEWER AS REQUIRED TO CONSTRUCT JUNCTION CHAMBER NO. 3 NORTH OF EXISTING MANHOLE 274 AS INDICATED.
 - COMPLETE DIVERSION OF FLOW TO RELOCATED SAN. SEWER.
 - REMOVE REMAINDER OF ABANDONED 33" SEWER FROM MANHOLE 35552 TO JUNCTION CHAMBER NO. 3.
- NOTE: THIS SEQUENCE OF CONSTRUCTION SUPPLEMENTS ITEM (1) AS SHOWN ON SHEET U-1 OF U-7.
- SEED AND MULCH ALL DISTURBED AREAS TO ACHIEVE PERMANENT VEGETATION (SHA SEED MIX NO. 2)

SEDIMENT CONTROL NOTES

- PRIOR TO CONSTRUCTION OF THE DEEP RUN INTERCEPTOR, RELOCATION, THE CONTRACTOR SHALL INSTALL THE SLOPE SILT FENCE (SSF), AS SHOWN, ON THE DOWN-SLOPE SIDE OF THE TRENCH EXCAVATION.
- DEWATERING MATERIAL SHALL BE PLACED ON THE UP-SLOPE SIDE OF THE TRENCH EXCAVATION.
- DEWATERING BASINS AS SHOWN ON DWG. H-54 SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.



AS-BUILT
Date 12/19/19

TRAVERSE STA. MBS

TRAVERSE STA. MB4A

CONTRACT 22-S
SHEET 2A OF 15 U-5 OF U-12

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS DATE
5-23-86

CHIEF, BUREAU OF UTILITIES

CHIEF, BUREAU OF ENGINEERING DATE
5/10/86

CHIEF, UTILITIES DESIGN DIVISION

BALTIMORE COUNTY

DEPT. OF PUBLIC WORKS DATE
5/5/86

JOB ORDER NO. 1-52-74

POSITION SHEET
30 SW 10
KEY SHEET
C-NW

KCI/WBCM A JOINT VENTURE
KIDDE CONSULTANTS, INC.
WHITNEY, BAILEY, COX AND MAGNANI

1020 CROMWELL BRIDGE ROAD
TOWSON, MARYLAND 21204
(301) 321-5500

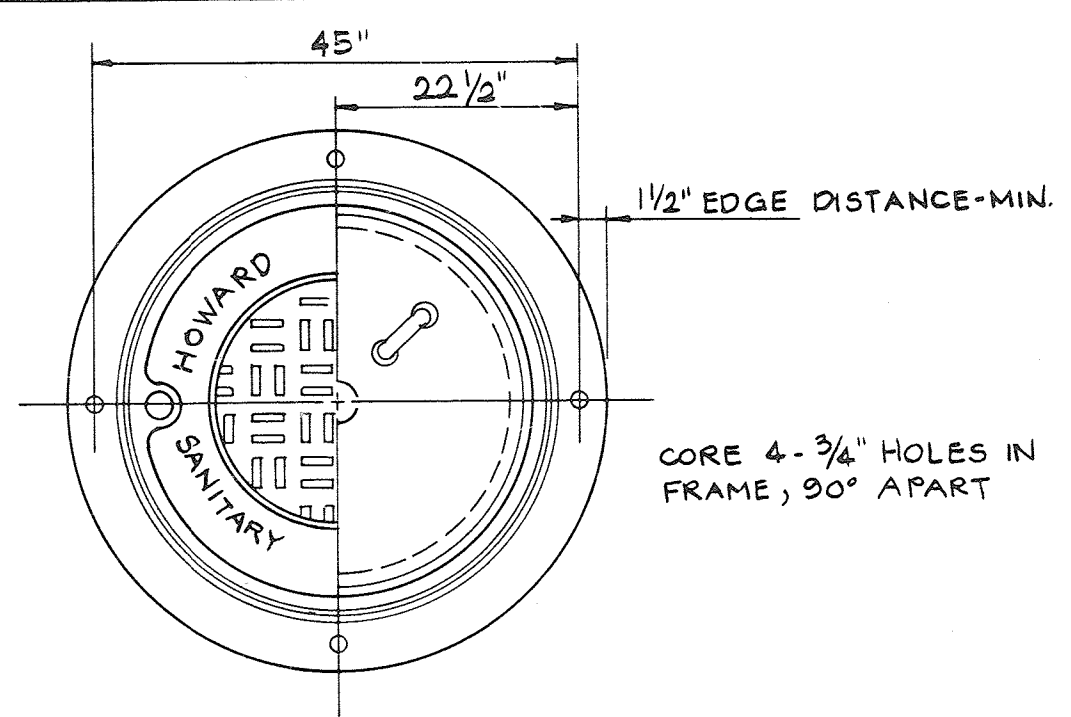
REVISIONS

1	ADDED SED. CONTROL 5-21-86
2	REVISION NO. 9 7/21/88 NOTE ADDED

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
I 195
HOWARD CO. INTERCEPTOR SEWER RELOCATION

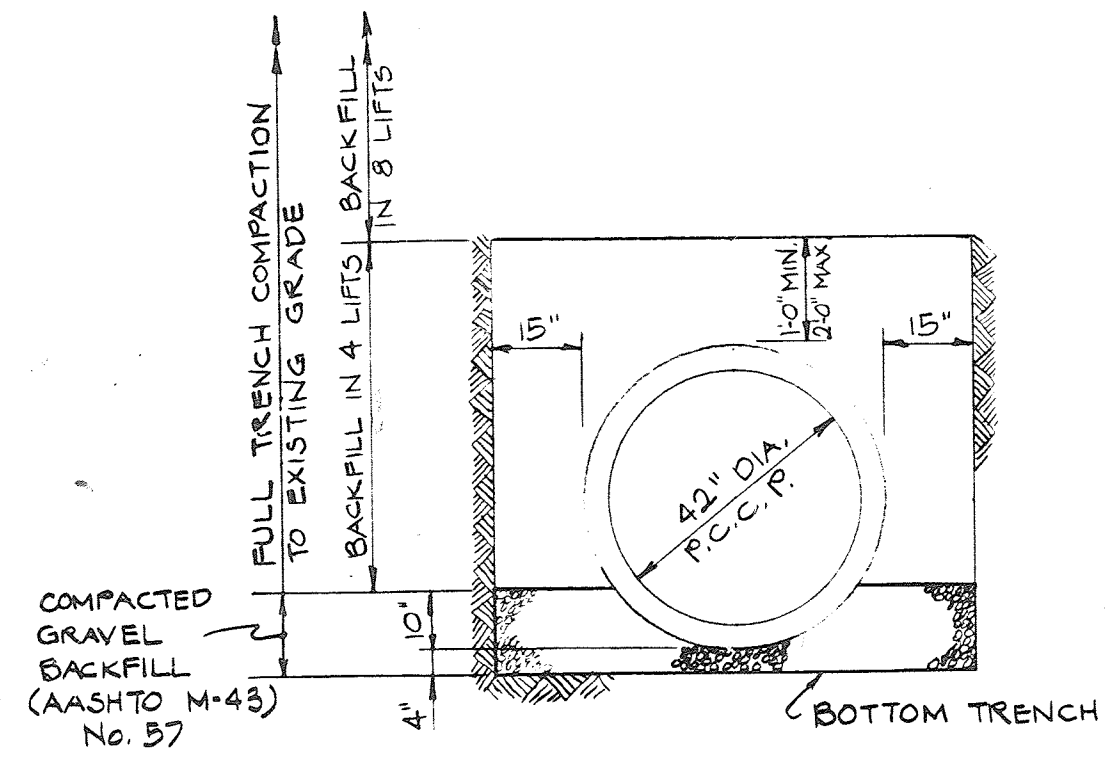
CONT NO AA 220-502-572 F A P NO. SEE TITLE SHEET SHEET NO 86 OF 436
PREL TRAC BY J.L.B. FINAL TRAC BY J.L.B.

F. H. WA. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	SEE TITLE SHEET	87	436



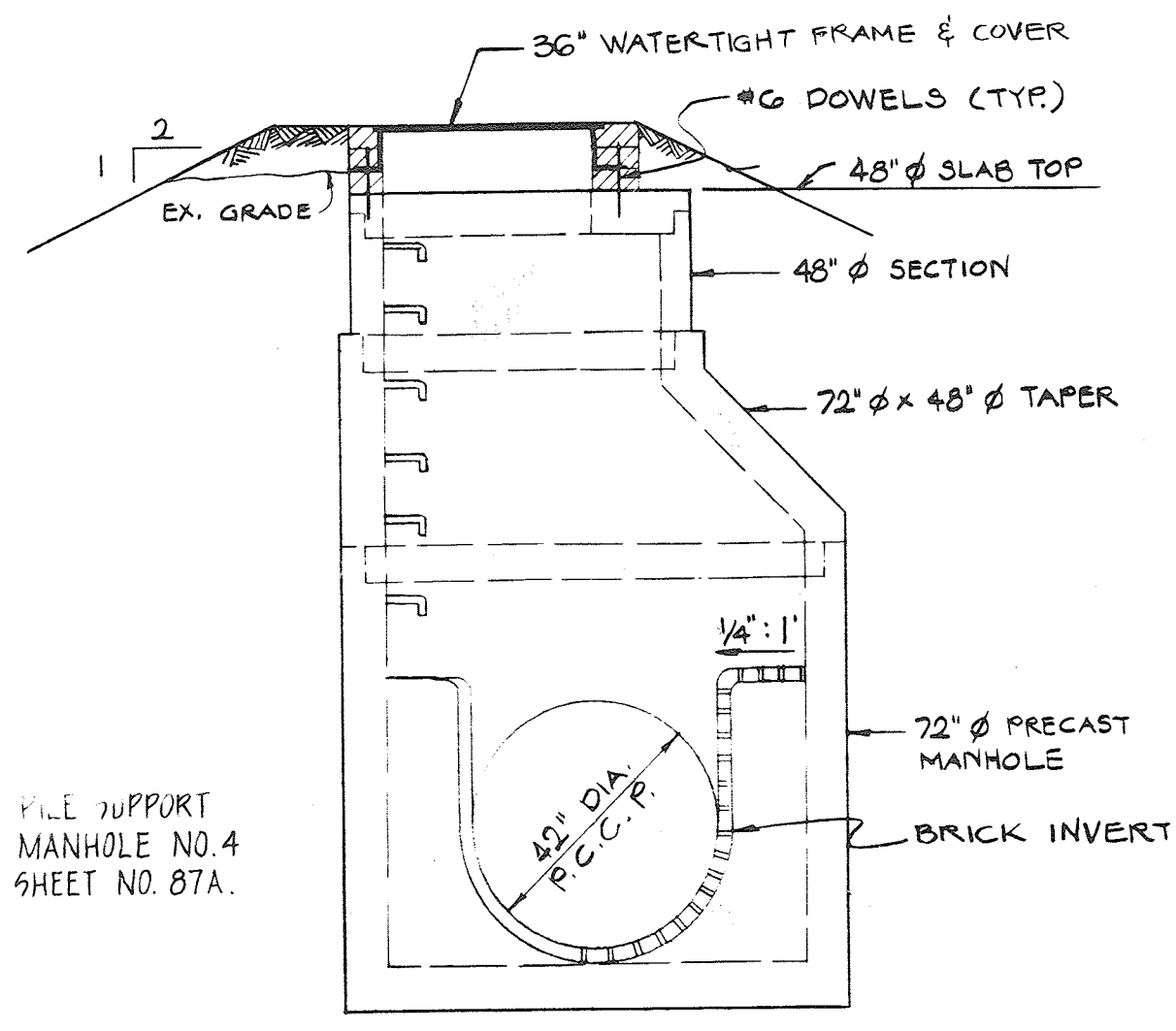
36" MANHOLE FRAME & COVER

N.T.S.
LETTERING AND CROSS-SECTION TO BE SIMILAR TO BALTO. CO. STD. DETAIL S-13 EXCEPT TO READ HOWARD COUNTY SANITARY SEWER



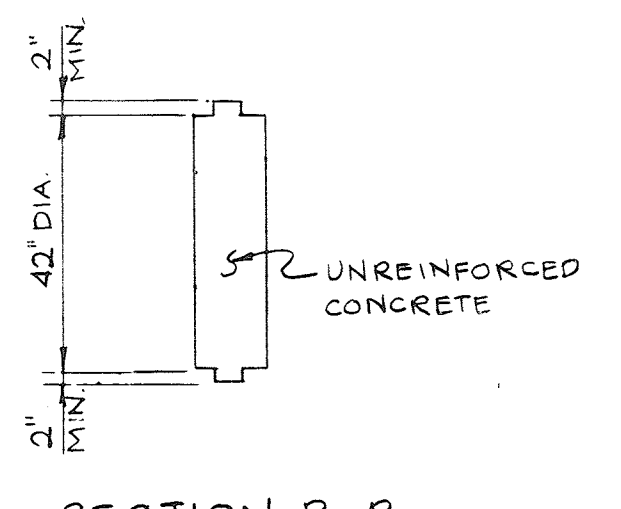
TRENCH BEDDING DETAIL

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



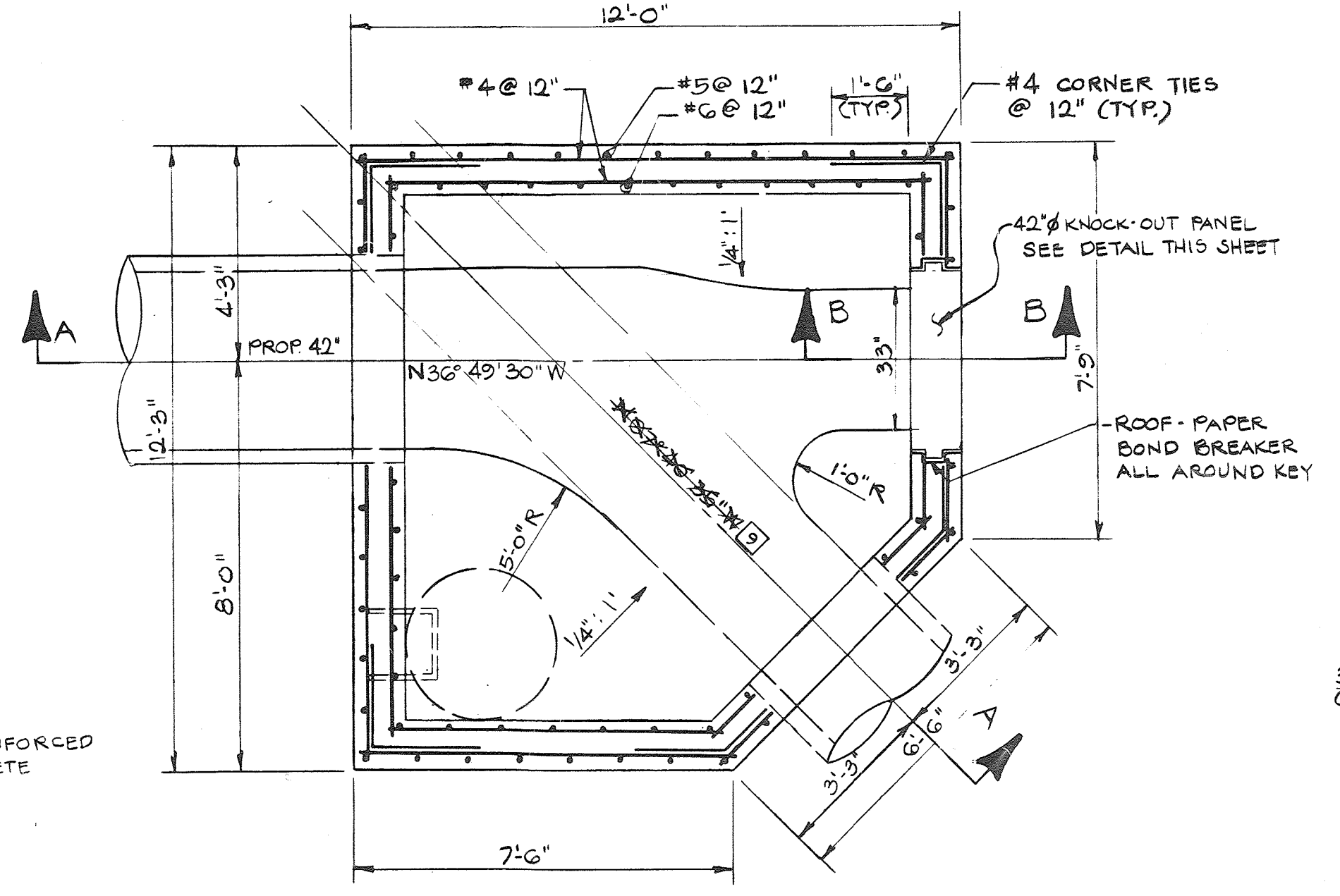
DETAIL MANHOLE No. 4

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



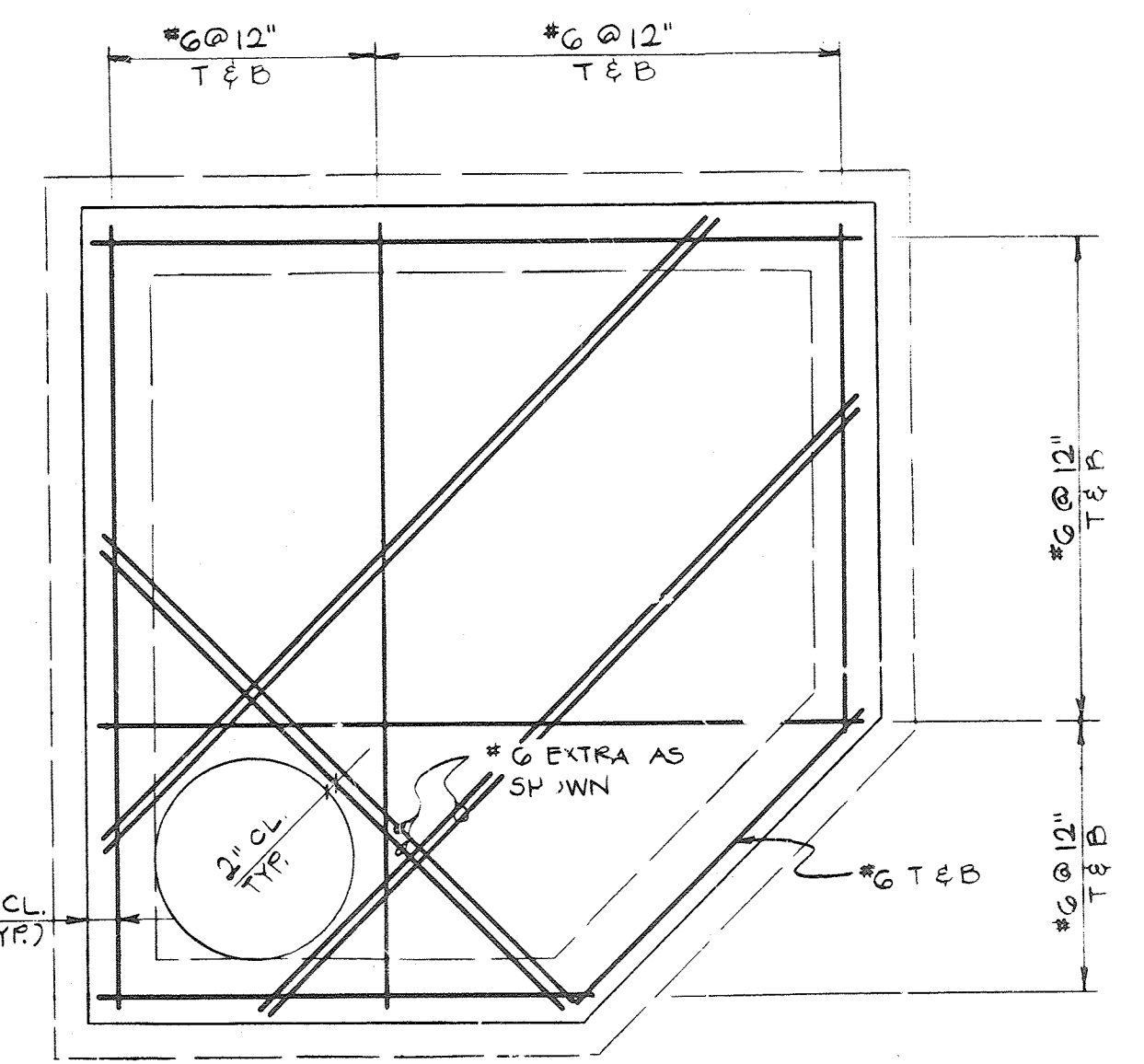
DETAIL KNOCK-OUT PANEL

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



PLAN - TOP SLAB REMOVED

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

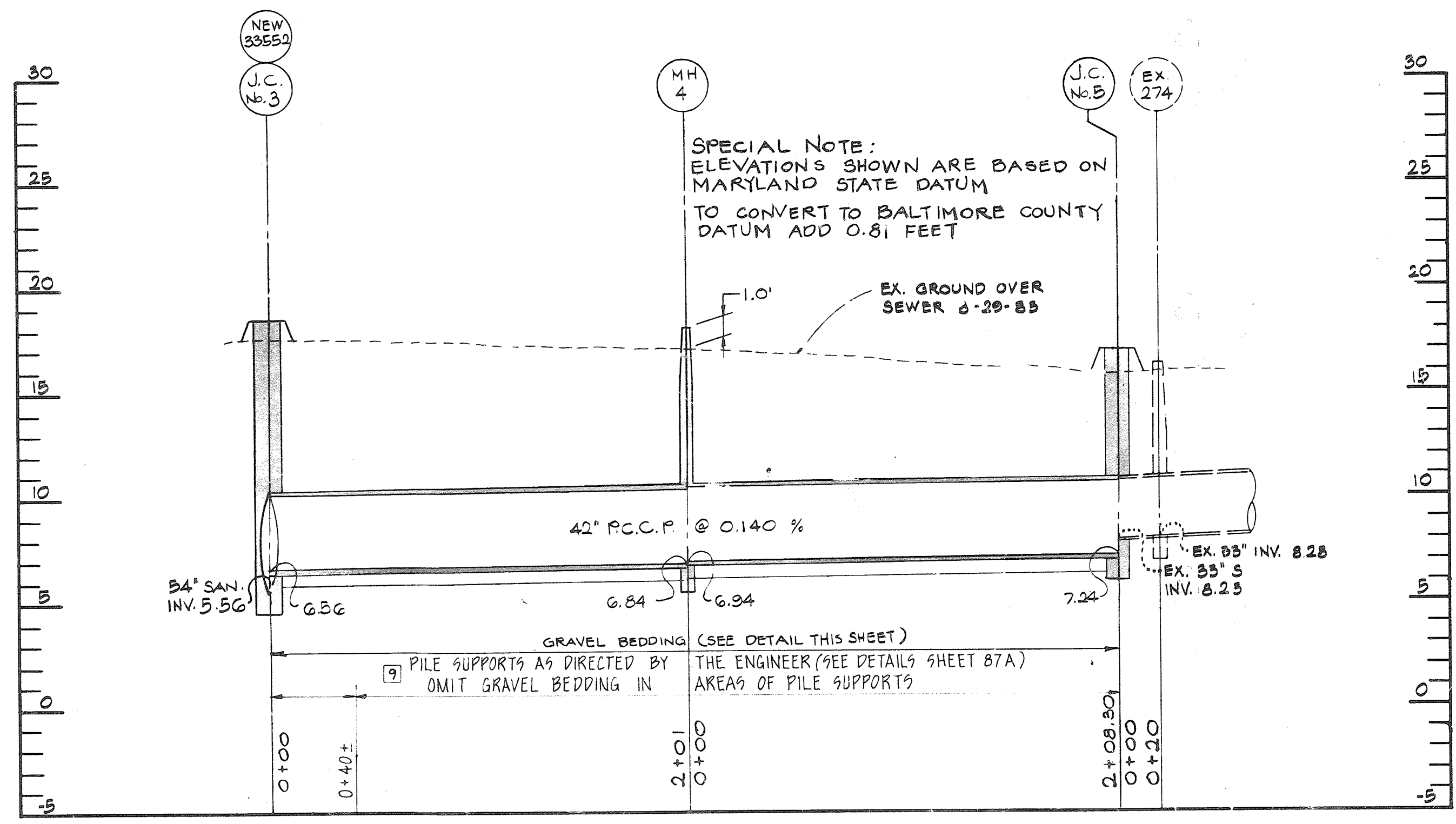


PLAN - TOP SLAB

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

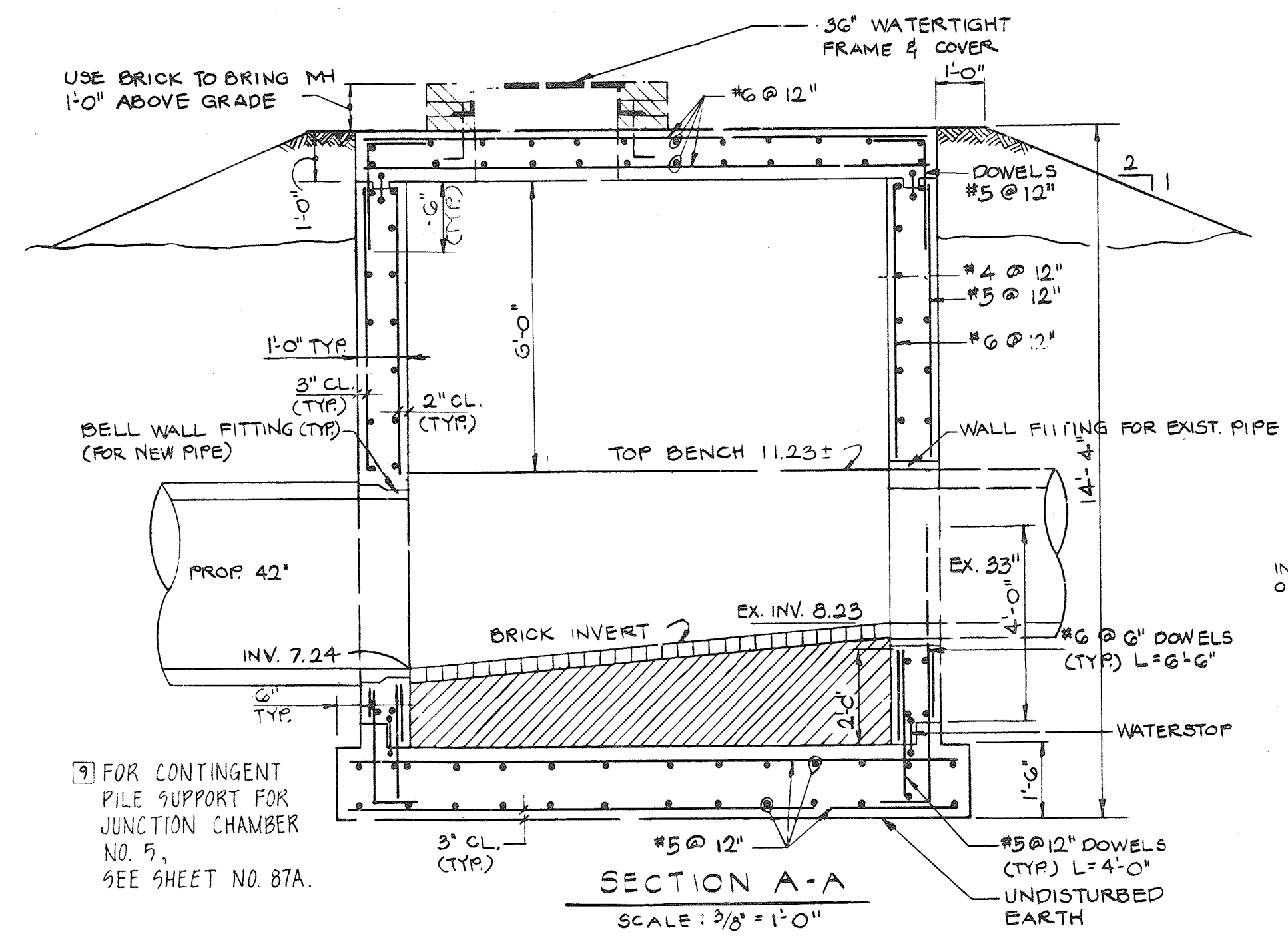
AS-BUILT

By *[Signature]* Date 12/19/85



PROFILE

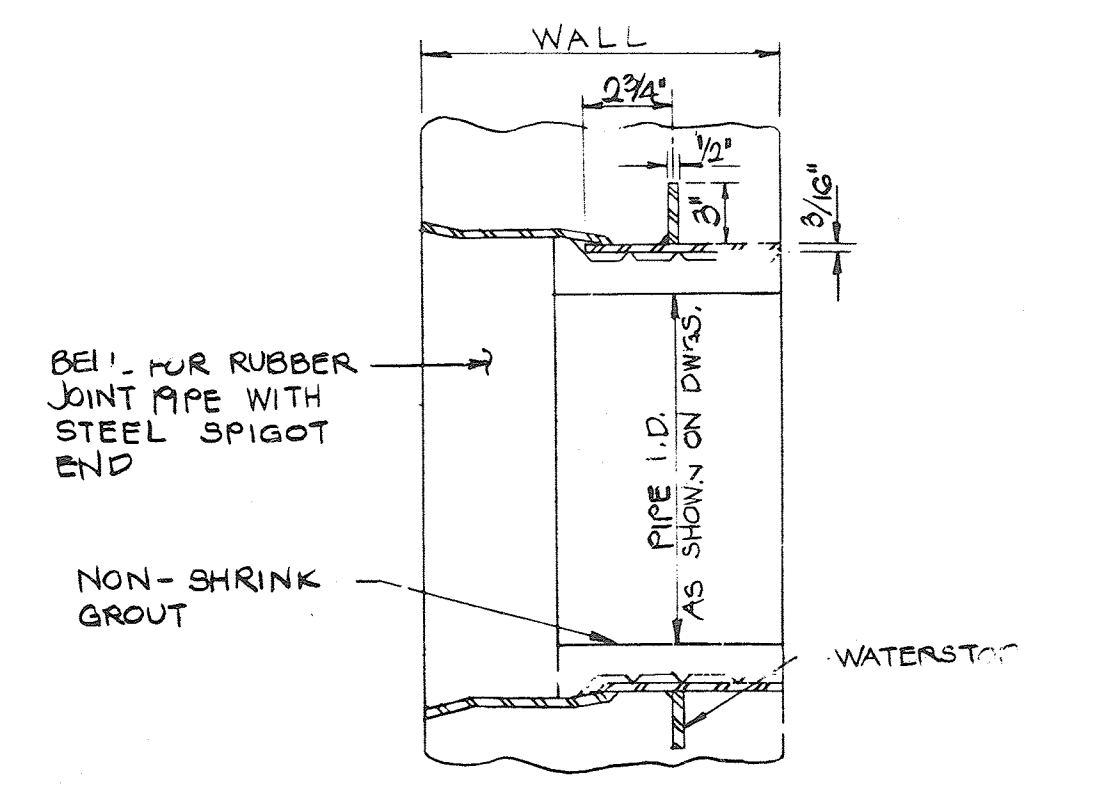
SCALE: HOR. - 1" = 50' VERT. - 1" = 5'



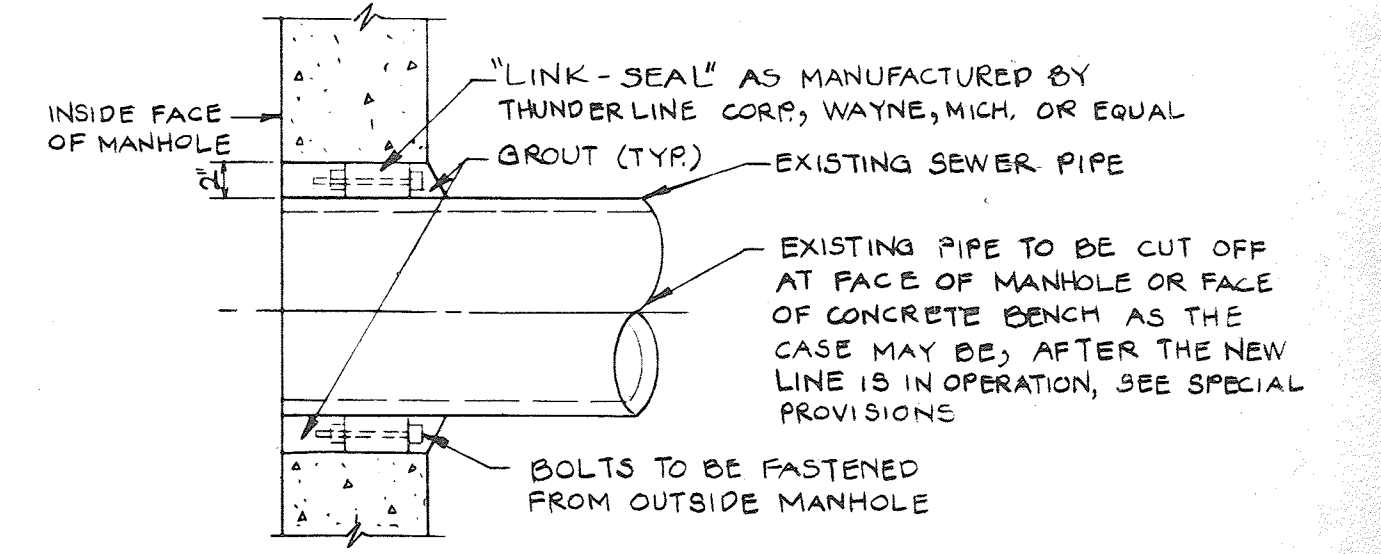
SECTION A-A

JUNCTION CHAMBER NO. 5

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



WALL FITTINGS FOR NEW PIPES



WALL FITTING FOR EXISTING PIPES

DETAIL-TYPICAL WALL FITTINGS

NOT TO SCALE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS
[Signature]
DATE 5-23-86
CHIEF, BUREAU OF UTILITIES

CHIEF, BUREAU OF ENGINEERING
[Signature]
DATE 5/27/86
CHIEF, UTILITIES DESIGN DIVISION

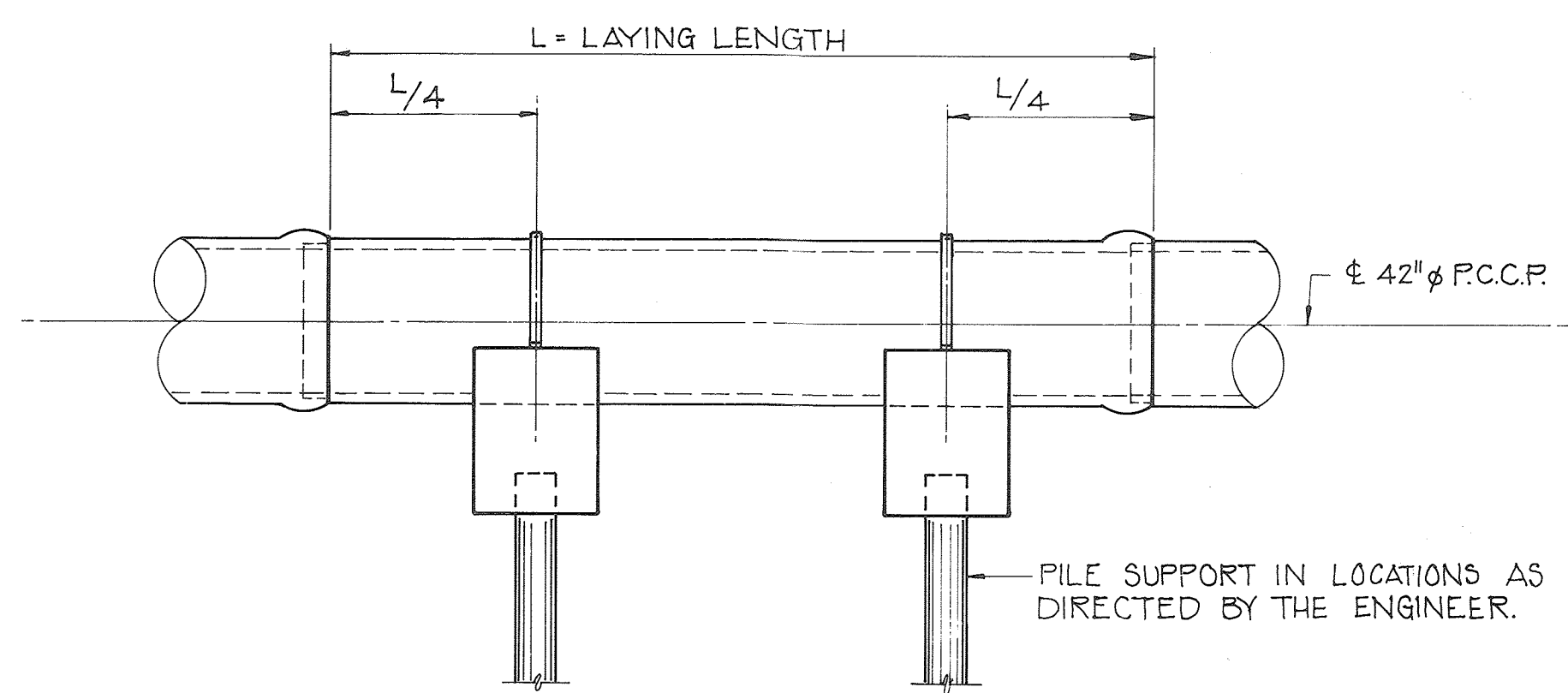
DEEP RUN INTERCEPTOR RELOCATION

BALTIMORE COUNTY	POSITION SHEET
JOB ORDER NO.	30 SW 1G
DATE 5/5/86	KEY SHEET
FILE: 3	C-NW

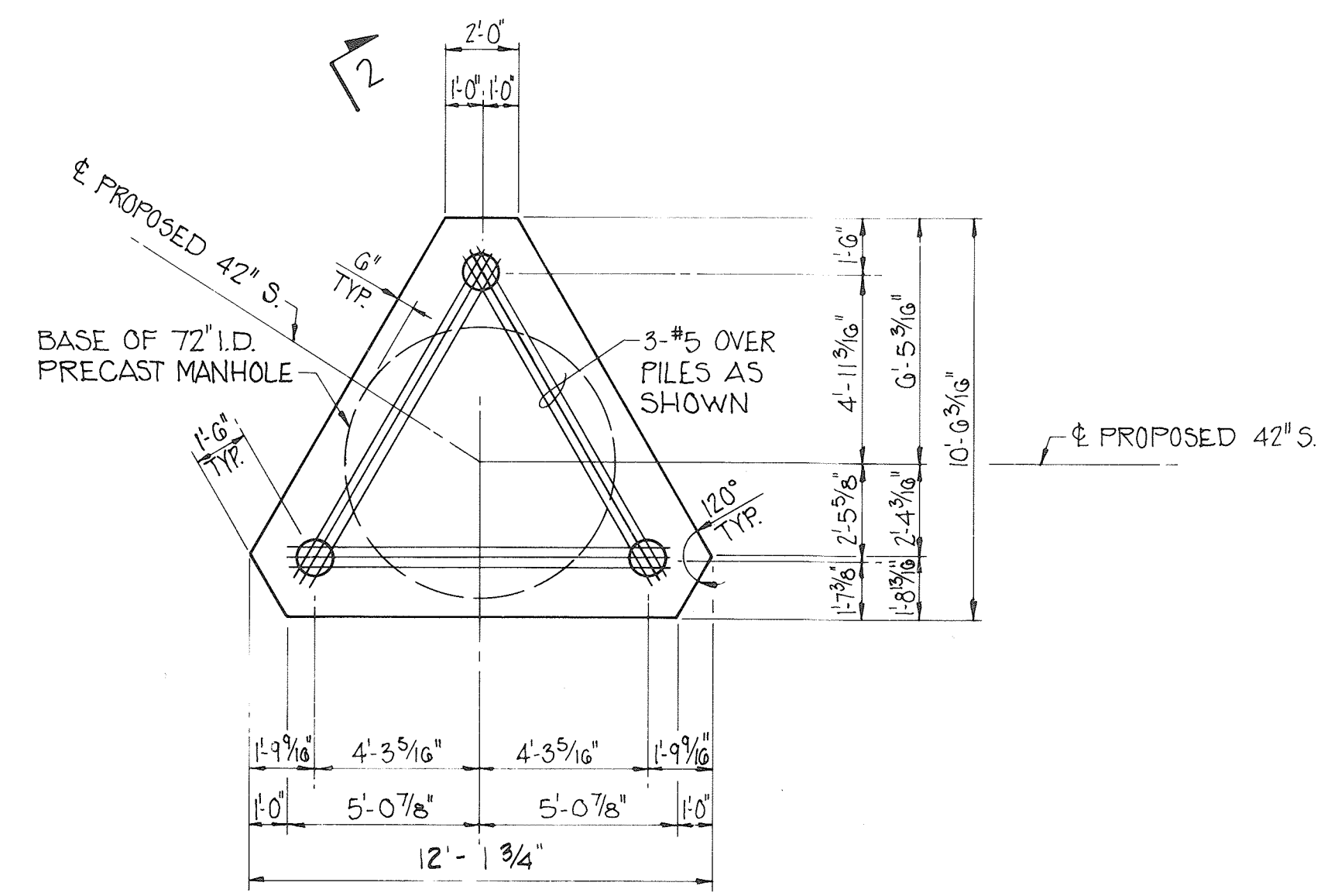
KCI/WBCM A JOINT VENTURE
KIDDE CONSULTANTS, INC.
WHITNEY, BAILEY, COX AND MAGNANI
1020 CROMWELL BRIDGE ROAD
TOWSON, MARYLAND 21204
(301) 321-5500

REVISIONS
REVISION NO. 9 7/21/85
NOTES ADDED

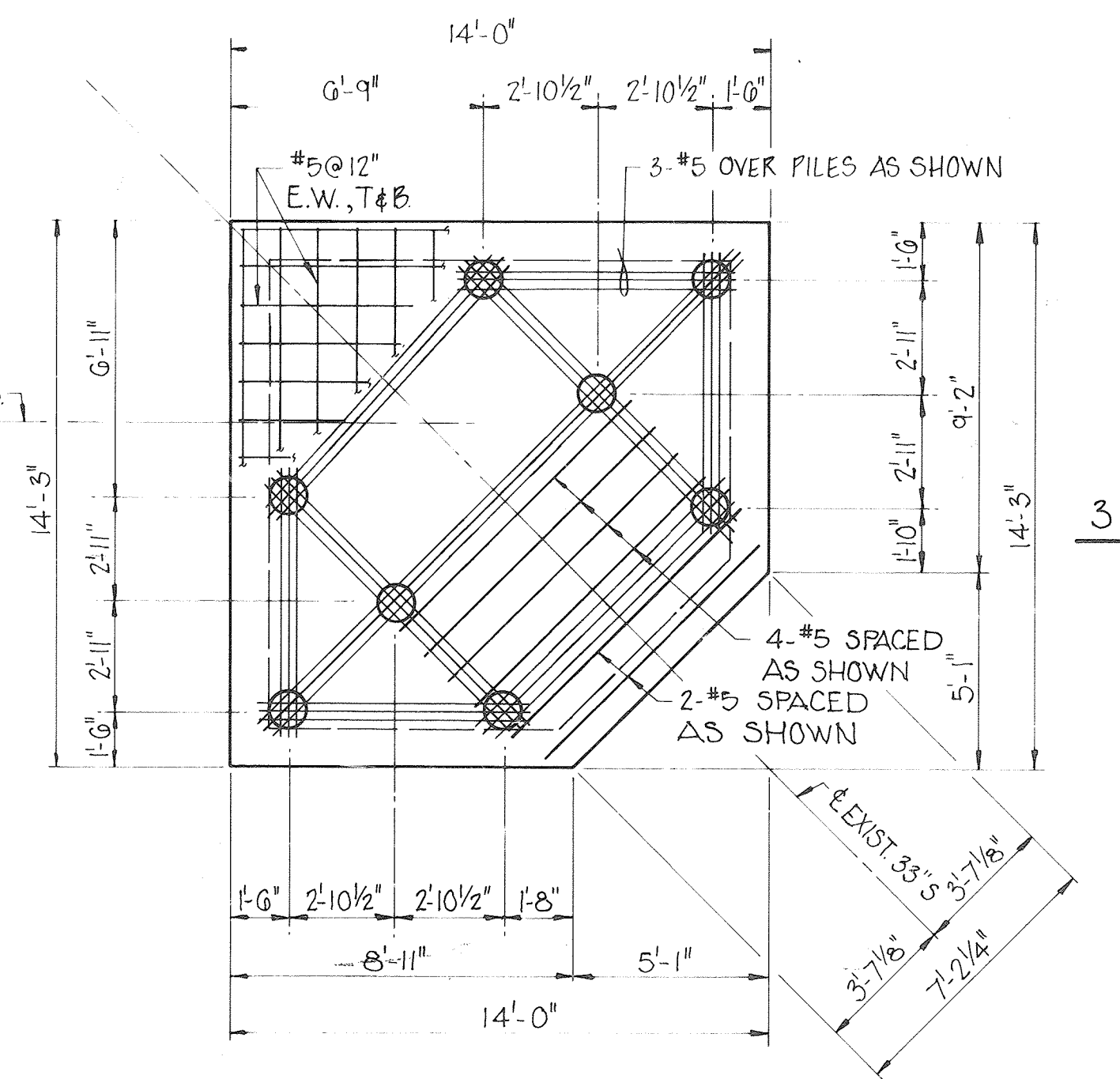
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
I-195
HOWARD CO. INTERCEPTOR SEWER RELOCATION
CONT NO. AA 220-502-572 F.A.P. NO. SEE TITLE SHEET SHEET NO. 87 OF 436
PREL. TRAC BY J.L.B. FINAL TRAC BY J.L.B.



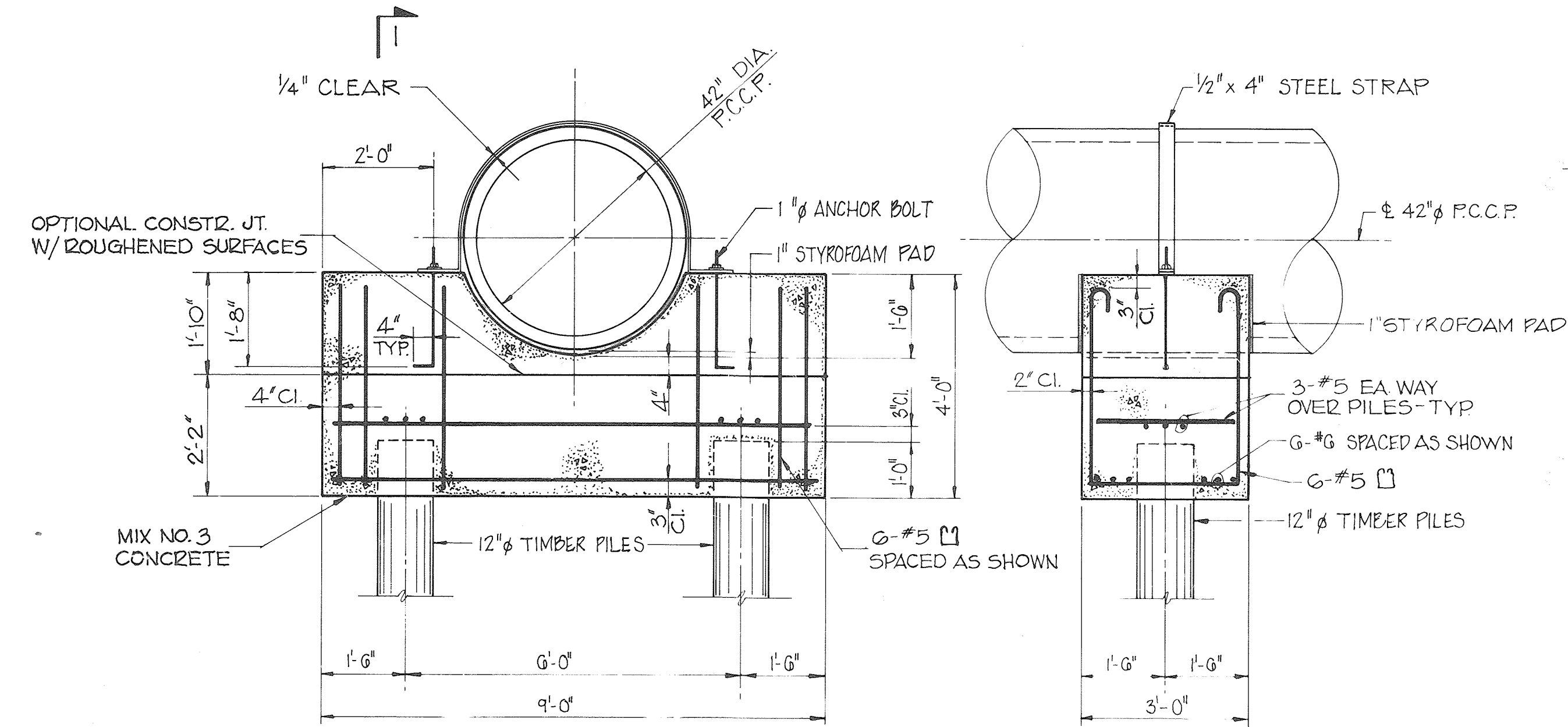
PART ELEVATION OF 42" ϕ SEWER
PILE SUPPORTS FOR 42" ϕ SEWER



PILE PLAN
PILE SUPPORT FOR
MANHOLE NO. 4
SCALE: 1/4" = 1'-0"

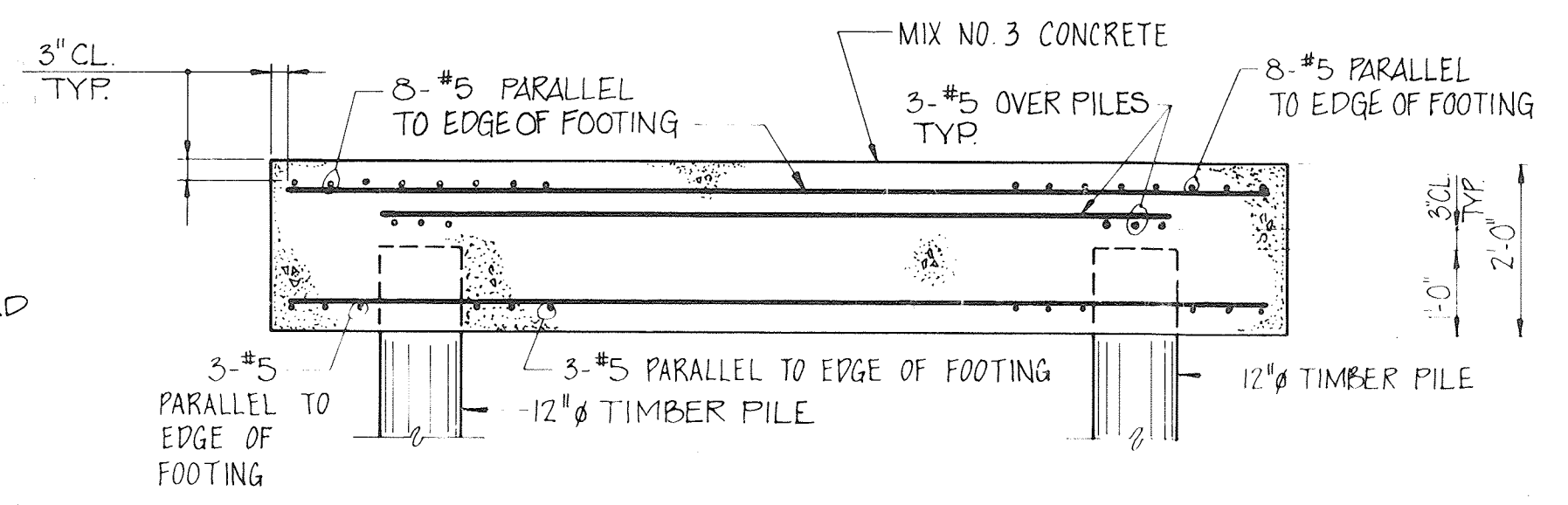


PILE PLAN
CONTINGENT PILE SUPPORT FOR
JUNCTION CHAMBER NO. 5
SCALE: 1/4" = 1'-0"

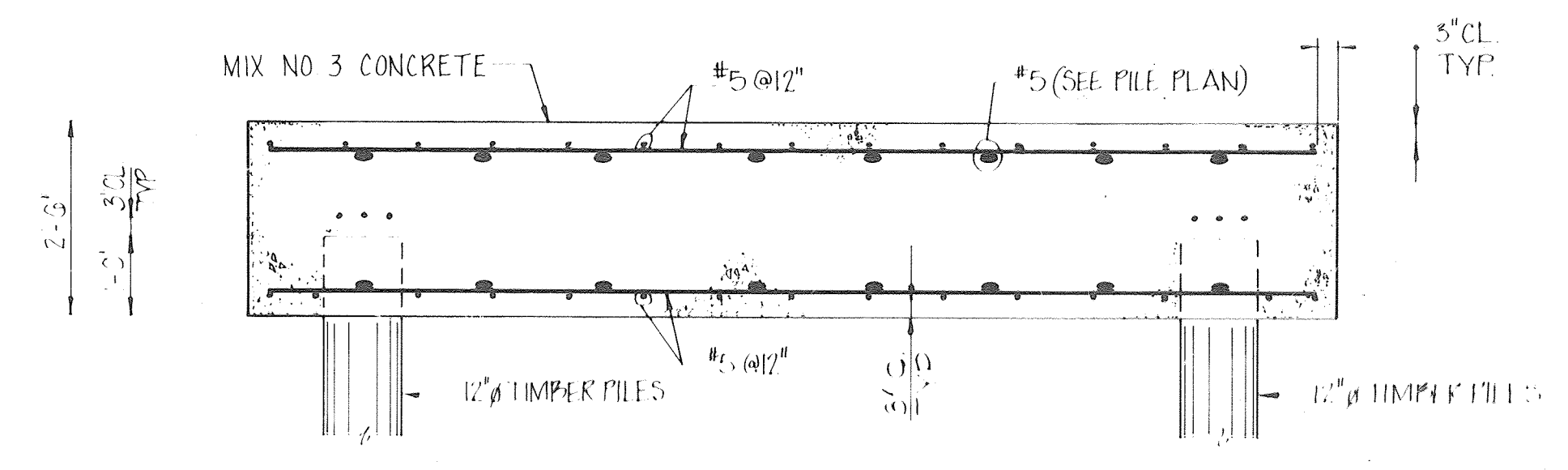


ELEVATION
PILE SUPPORT FOR 42" ϕ SEWER
SCALE: 1/2" = 1'-0"

SECTION 1
SCALE: 1/2" = 1'-0"



SECTION 2
SCALE: 1/2" = 1'-0"



SECTION 3
SCALE: 1/2" = 1'-0"

PILING NOTES:

1. ALL PILES SHALL BE 12" (MIN) TIMBER PILES. TREATMENT SHALL BE C.C.A. IN ACCORDANCE WITH SECTION 919.07.03 OF THE SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
2. ALL PILES SHALL BE DRIVEN TO A MINIMUM SAFE BEARING CAPACITY OF 20 TONS.
3. THE MINIMUM REQUIRED PENETRATION ELEVATION IS -18.0 AND THE ESTIMATED TIP ELEVATION IS -28.0. SHOULD THE MINIMUM SAFE BEARING CAPACITY BE REACHED BEFORE THE ESTIMATED TIP ELEVATION, THE PILE WILL BE CONSIDERED TO BE SATISFACTORY.

NOTES:
1 FOR DETAILS OF MANHOLE NO. 4 AND JUNCTION CHAMBER NO. 5 SEE SHEET NO. 87
2 FOR PROFILE OF PROPOSED 42" ϕ SEWER SEE SHEET NO. 87
3 FOR PLAN OF PROPOSED 42" ϕ SEWER SEE SHEET NO. 86

AS-BUILT
Date 12/19/11

CONTRACT 22-S SHEET 20 OF 15 U-6A OF U-12

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS DATE
Robert M. Reimer 8-5-88
CHIEF, BUREAU OF UTILITIES DATE

CHIEF, BUREAU OF ENGINEERING DATE
CHIEF, UTILITIES DESIGN DIVISION DATE

BALTIMORE COUNTY POSITION SHEET

JOB ORDER NO. DWG. NO. FILE NO.

1-52-74 30 SW 16 C-NW

DEEP RUN INTERCEPTOR RELOCATION

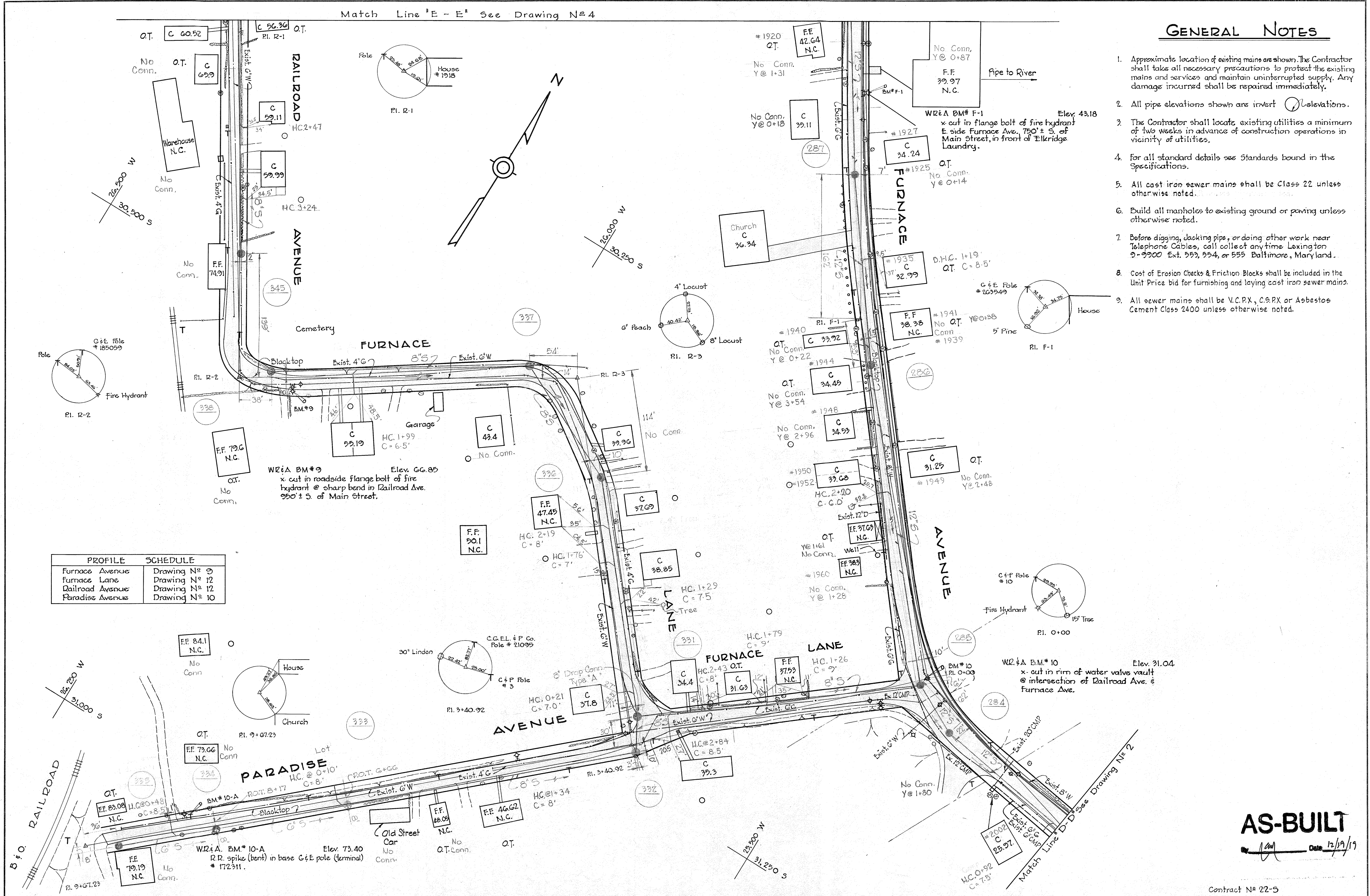
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
I-195
HOWARD CO. INTERCEPTOR SEWER RELOCATION

CONT. NO. AA 220-502-572 F.A.P. NO. SEE TITLE SHEET SHEET NO. 87A OF 436
PREL. TRAC. BY: W.J.G. FINAL TRAC. BY: W.J.G.

Match Line 'E - E' See Drawing N#4

GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect the existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. For all standard details see Standards bound in the Specifications.
5. All cast iron sewer mains shall be Class 22 unless otherwise noted.
6. Build all manholes to existing ground or paving unless otherwise noted.
7. Before digging, dacking pipe, or doing other work near Telephone Cables, call collect anytime Lexington 9-9900 Ext. 553, 554, or 555 Baltimore, Maryland.
8. Cost of Erosion Checks & Friction Blocks shall be included in the Unit Price bid for furnishing and laying cast iron sewer mains.
9. All sewer mains shall be V.C.P.X., C.P.X. or Asbestos Cement Class 2400 unless otherwise noted.



PROFILE	SCHEDULE
Furnace Avenue	Drawing N# 9
Furnace Lane	Drawing N# 12
Railroad Avenue	Drawing N# 12
Paradise Avenue	Drawing N# 10

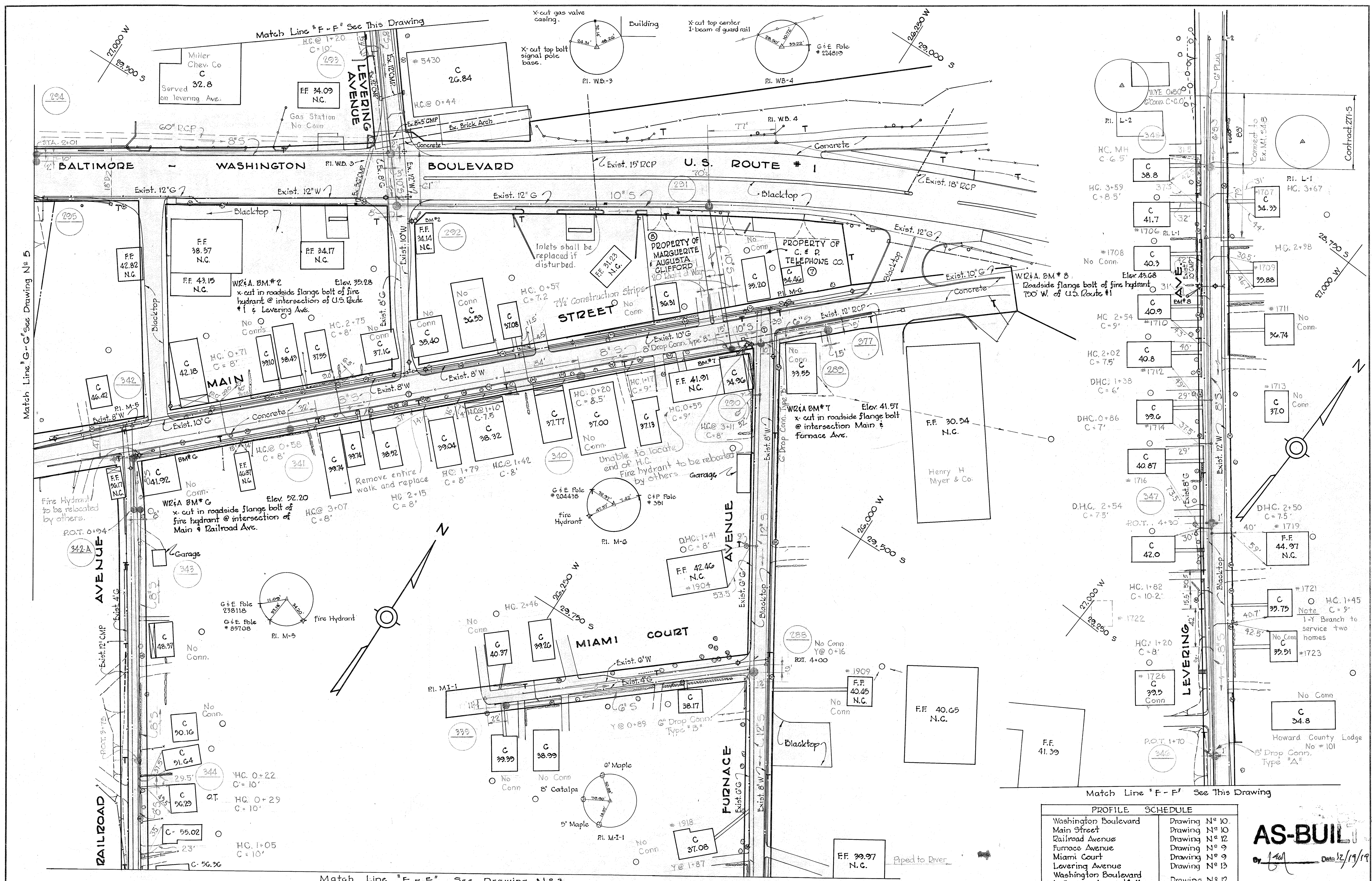
AS-BUILT

12/19/19

Contract N# 22-5

<p>WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND</p>	<p>HOWARD COUNTY METROPOLITAN COMMISSION March 15, 1961 DATE <i>Carl W. Meyer</i> CHIEF ENGINEER</p>	<p>CONTRACT NO. 22-S</p>	<p>PLAN OF SEWER MAINS</p>	<p>ELKRIDGE SUB - DISTRICT</p>	<p>DRAWING NO. 3 OF 15</p>	<p>SCALE 1"=50'</p>
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MS 225/4



PROFILE SCHEDULE	
Washington Boulevard	Drawing N° 10.
Main Street	Drawing N° 10
Railroad Avenue	Drawing N° 12
Furnace Avenue	Drawing N° 9
Miami Court	Drawing N° 9
Levinger Avenue	Drawing N° 13
Washington Boulevard to Furnace Ave. Outfall	Drawing N° 12

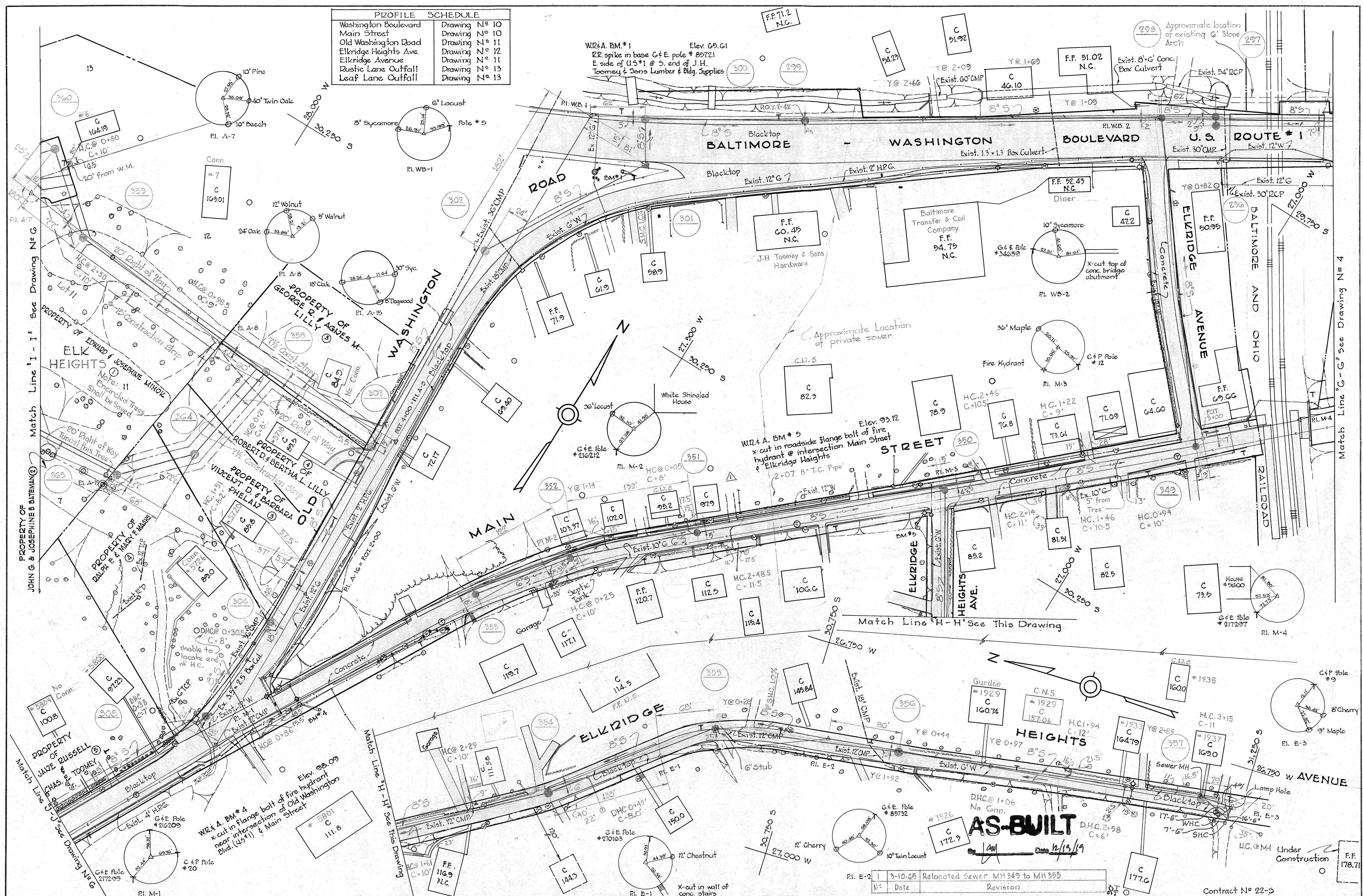
AS-BUILT
 Date 12/19/19

Contract N° 22-5

WHITMAN, REQUARD & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 15, 1961 DATE	CONTRACT NO. 22-S	PLAN OF SEWER MAINS	ELKRIDGE SUB - DISTRICT	DRAWING NO. 4 OF 15	SCALE 1" = 50'
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MS 22 5/5

PROFILE SCHEDULE	
Washington Boulevard	Drawing N ^o 10
Main Street	Drawing N ^o 10
Old Washington Road	Drawing N ^o 11
Elkridge Heights Ave.	Drawing N ^o 12
Elkridge Avenue	Drawing N ^o 11
Rustic Lane Outfall	Drawing N ^o 13
Leaf Lane Outfall	Drawing N ^o 13



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 15, 1961 DATE <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 22-5	PLAN OF SEWER MAINS	ELKRIDGE SUB - DISTRICT	DRAWING NO. 5	SCALE 1" = 50'
					OF 15	Contract No. 22-5

N ^o	Date	Revision
1	9-11-64	Manhole No. 373 relocated.
2	11-16-64	MH No. 369 relocated, MH No. 369A added.
3	4-1-65	MH Nos. 362 & 365 relocated.

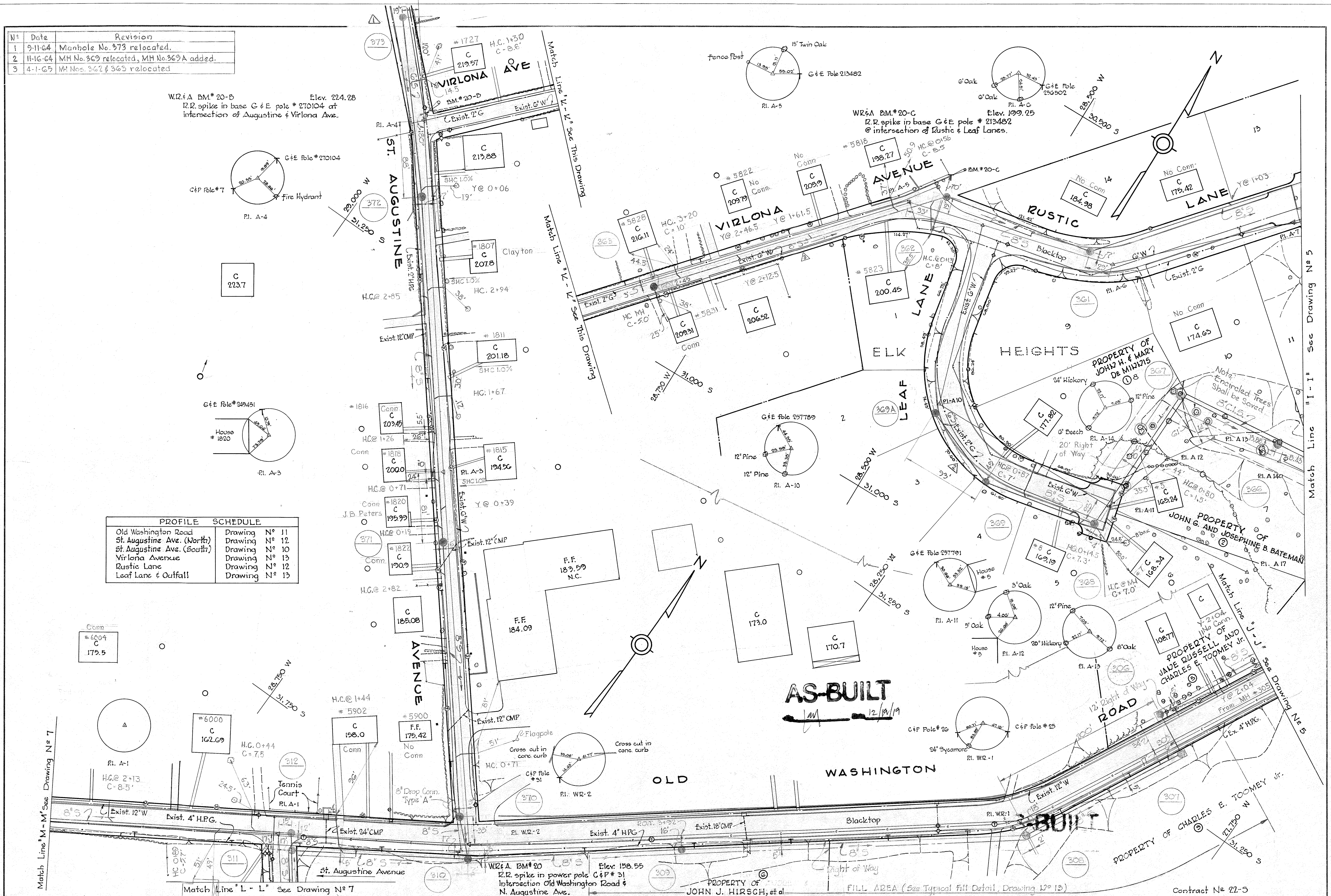
W.R. & A. BM* 20-B
Elev. 224.28
R.R. spike in base G & E pole # 270104 at
intersection of Augustine & Virlona Ave.

W.R. & A. BM* 20-C
Elev. 179.25
R.R. spike in base G & E pole # 213482
at intersection of Rustic & Leaf Lanes.

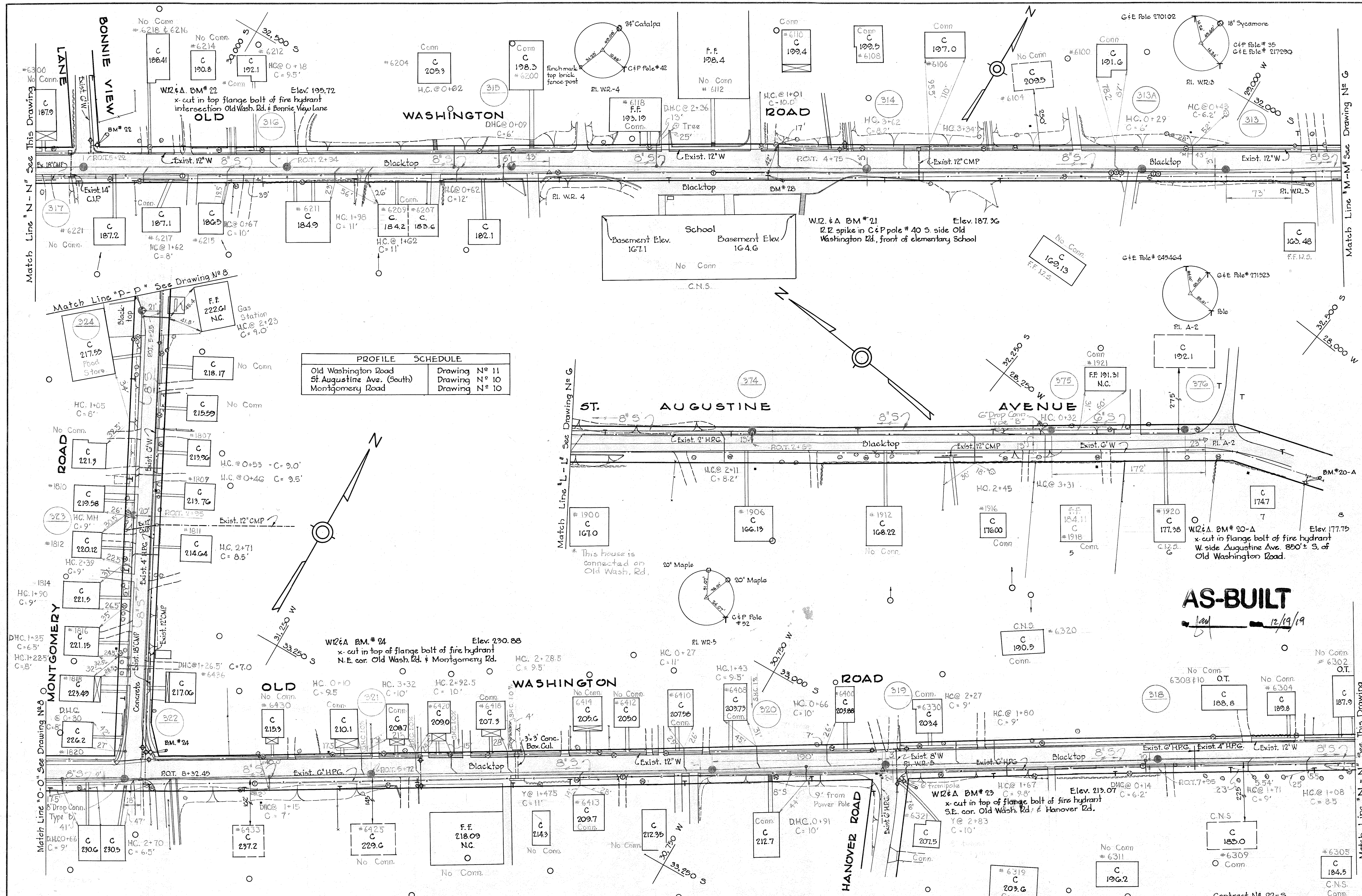
PROFILE SCHEDULE	
Old Washington Road	Drawing N ^o 11
St. Augustine Ave. (North)	Drawing N ^o 12
St. Augustine Ave. (South)	Drawing N ^o 10
Virlona Avenue	Drawing N ^o 13
Rustic Lane	Drawing N ^o 12
Leaf Lane & Outfall	Drawing N ^o 13

MS 225/6

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 15, 1961 DATE	CONTRACT NO. 22-S	PLAN OF SEWER MAINS
		ELKRIDGE SUB - DISTRICT	DRAWING NO. 6 OF 15
		SCALE 1" = 50' <small>31 SW 13.20 32 SW 13.20</small>	



MS 225/7



WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION
March 19, 1961
DATE
Chief Engineer

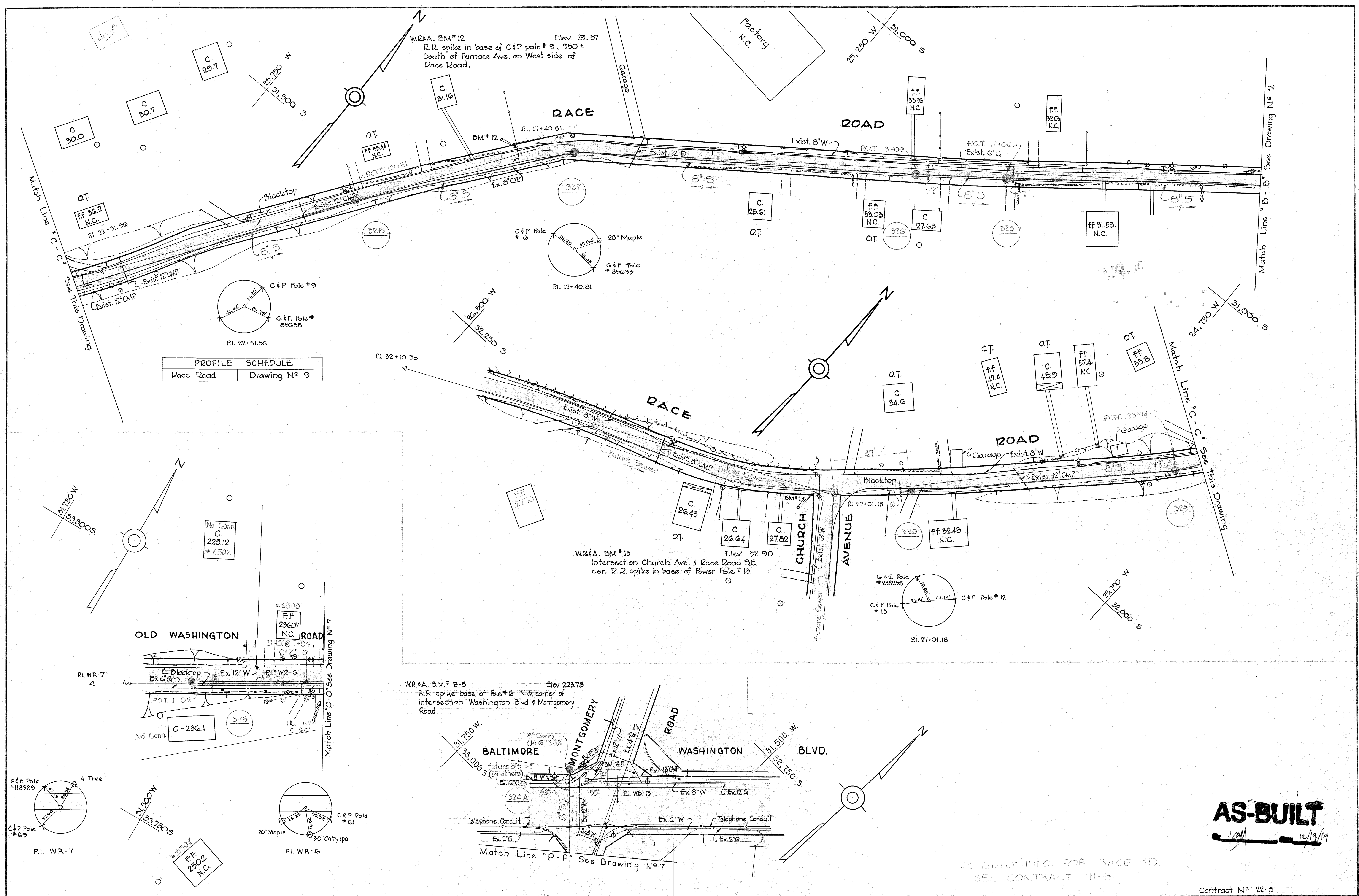
CONTRACT NO. 22-S

PLAN OF
SEWER MAINS

ELKRIDGE SUB - DISTRICT

DRAWING NO. 7 OF 15
SCALE 1" = 50'

WS 225/8



WHITMAN, REQUARDT & ASSOCIATES
 ENGINEERS
 1304 ST. PAUL ST.
 BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION
 March 15, 1961
 DATE

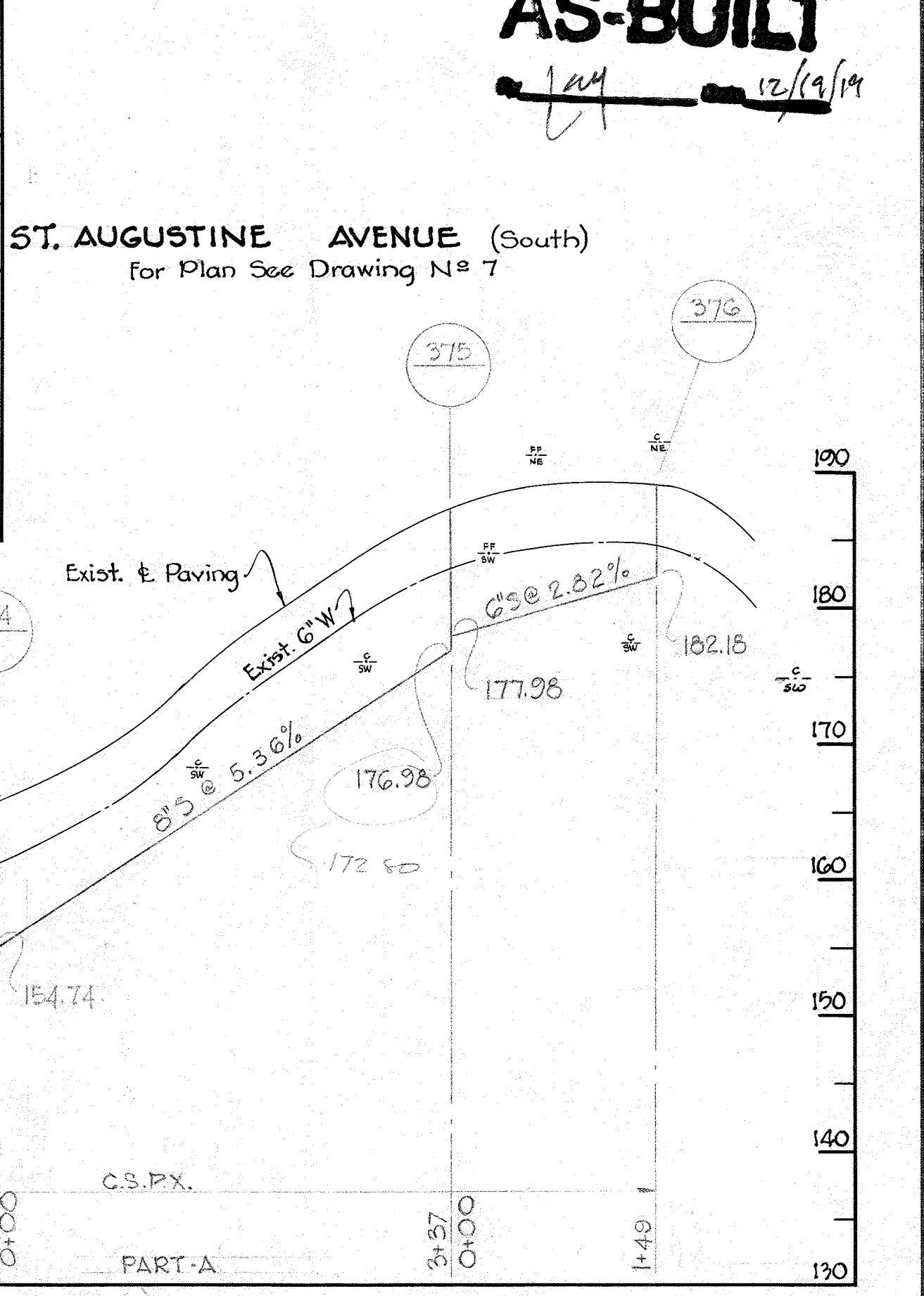
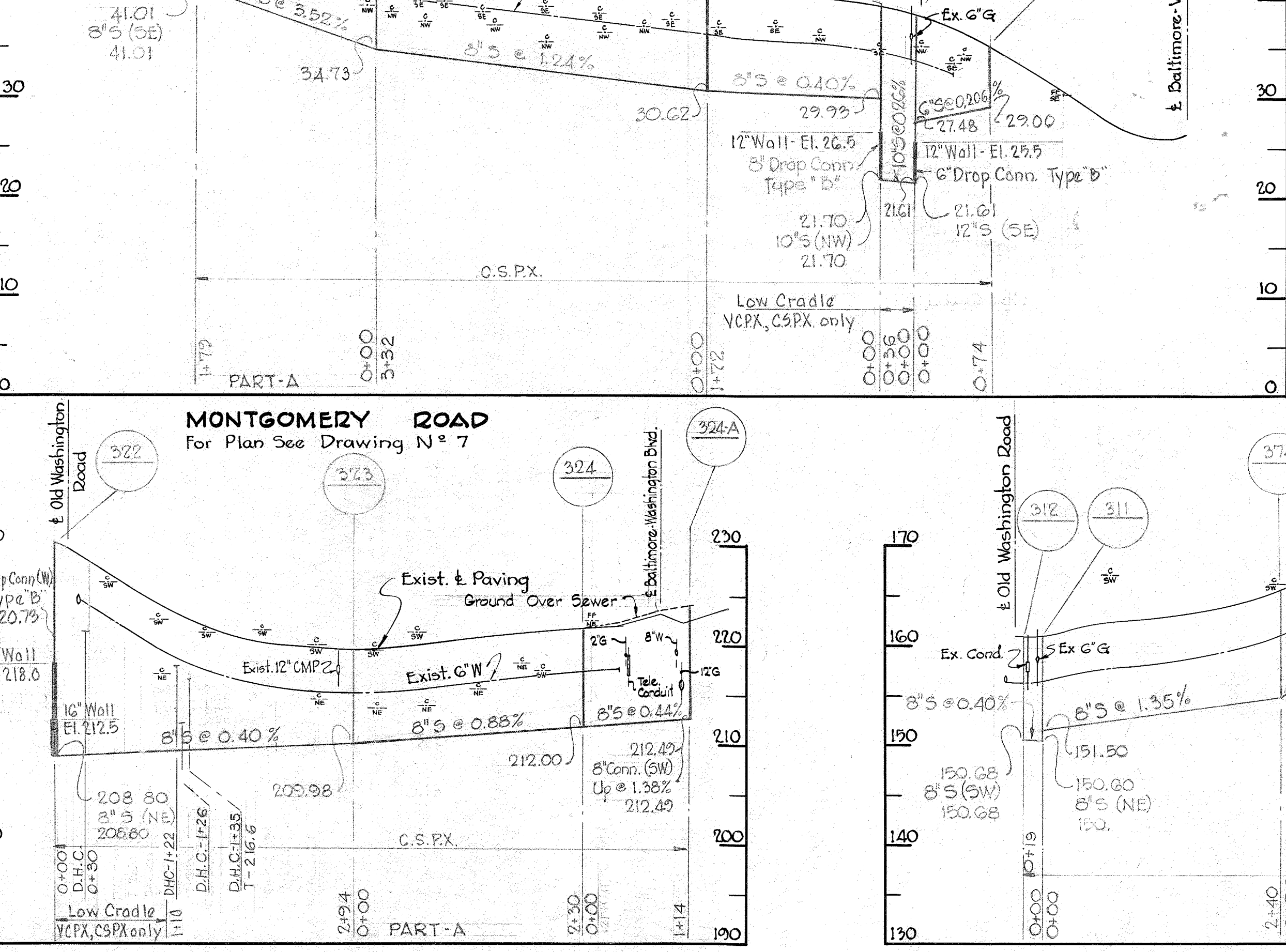
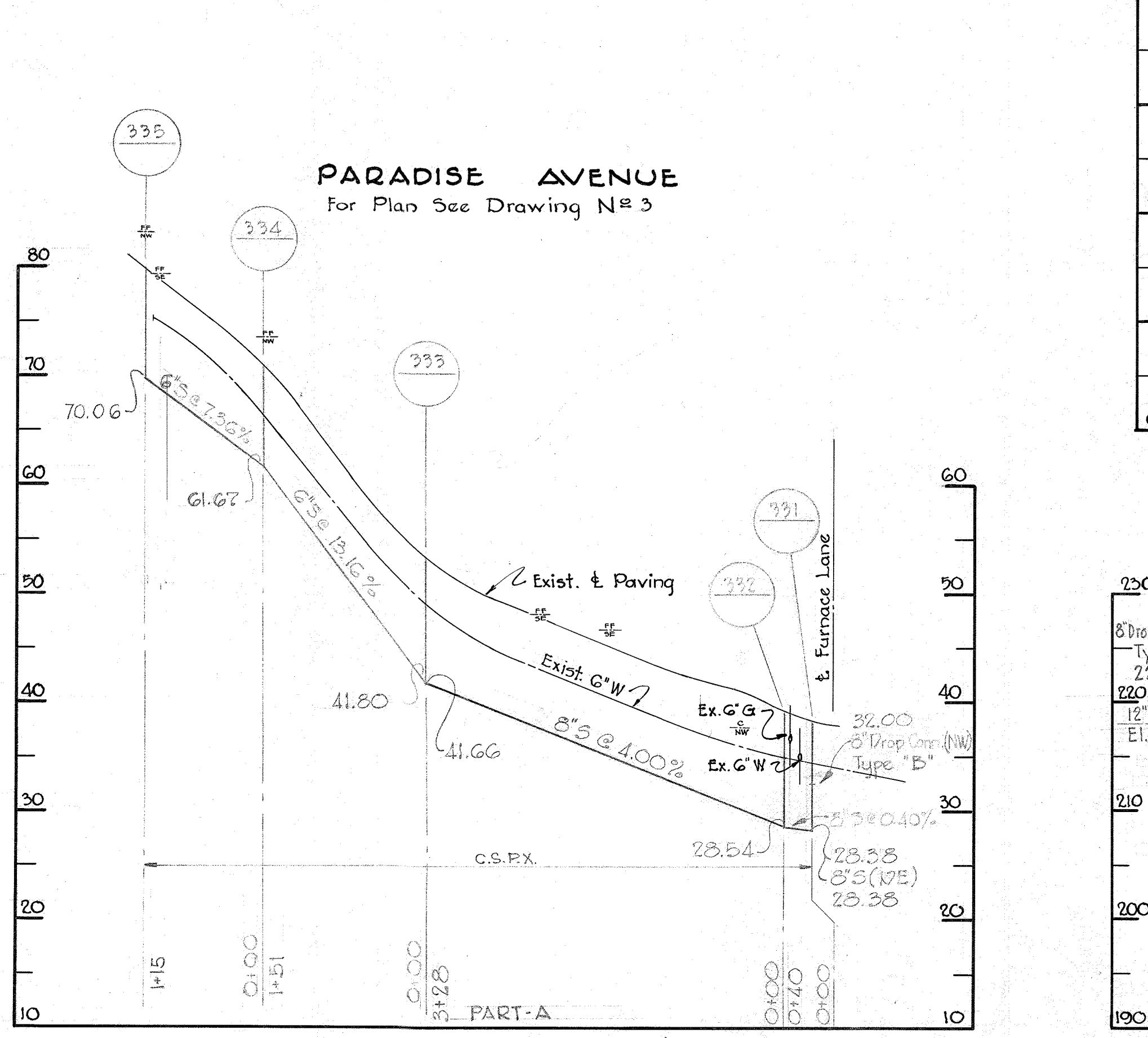
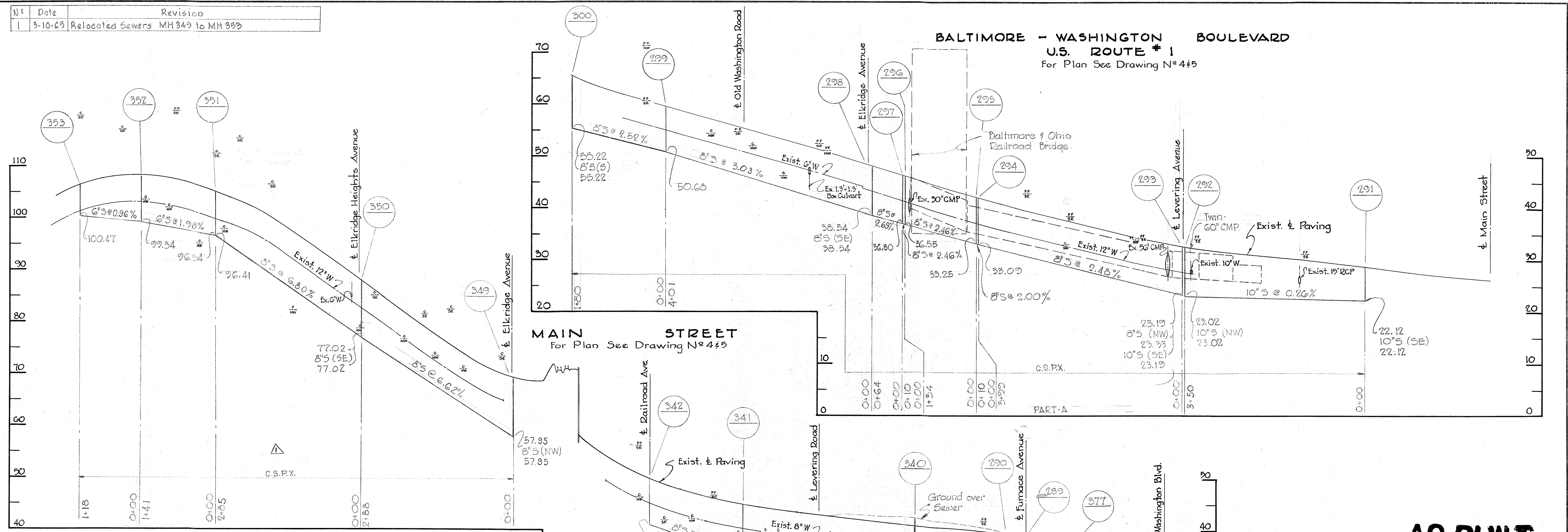
CONTRACT NO. 22-S

PLAN OF
 SEWER MAINS

ELKRIDGE SUB - DISTRICT

DRAWING NO. 8 OF 15
 SCALE 1" = 50'
 Contract N^o 22-5

N ^o	Date	Revision
1	3-10-65	Relocated Sewers MH 349 to MH 353



AS-BUILT

12/19/19

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION
March 15, 1961
DATE *Carl W. Meyer*
CHIEF ENGINEER

CONTRACT NO. 22-S

PROFILES OF SEWER MAINS

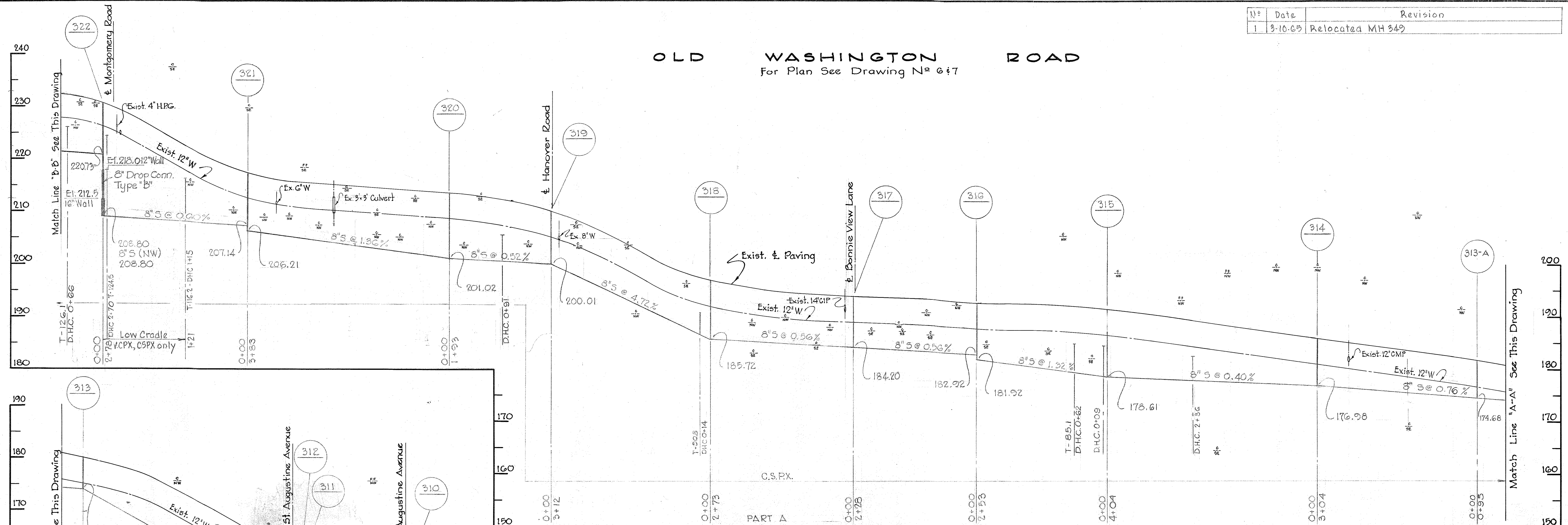
ELKRIDGE SUB - DISTRICT

CONTRACT N^o 22-5
DRAWING NO. 10 OF 15
SCALE H: 1"=100'
V: 1"=10'

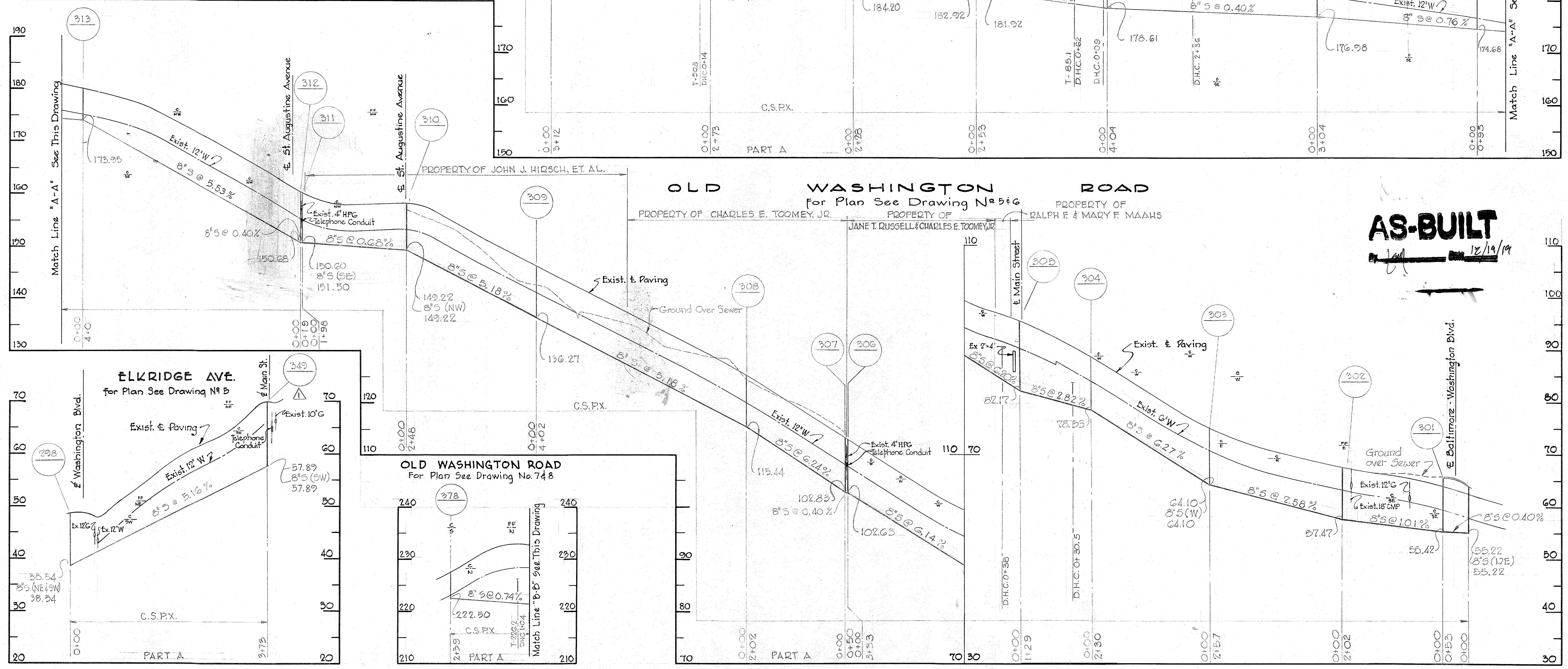
MS 225/10

No	Date	Revision
1	9-16-65	Relocated MH 349

OLD WASHINGTON ROAD
For Plan See Drawing N^o 5+7

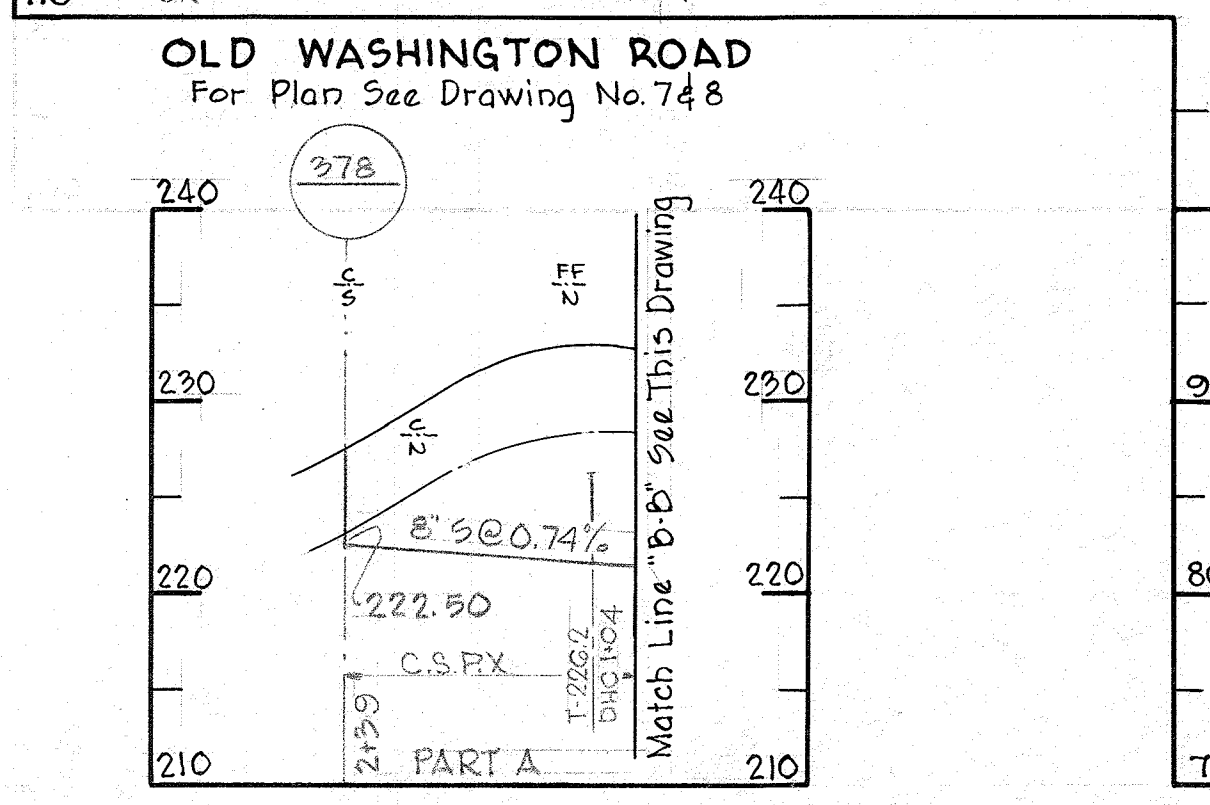
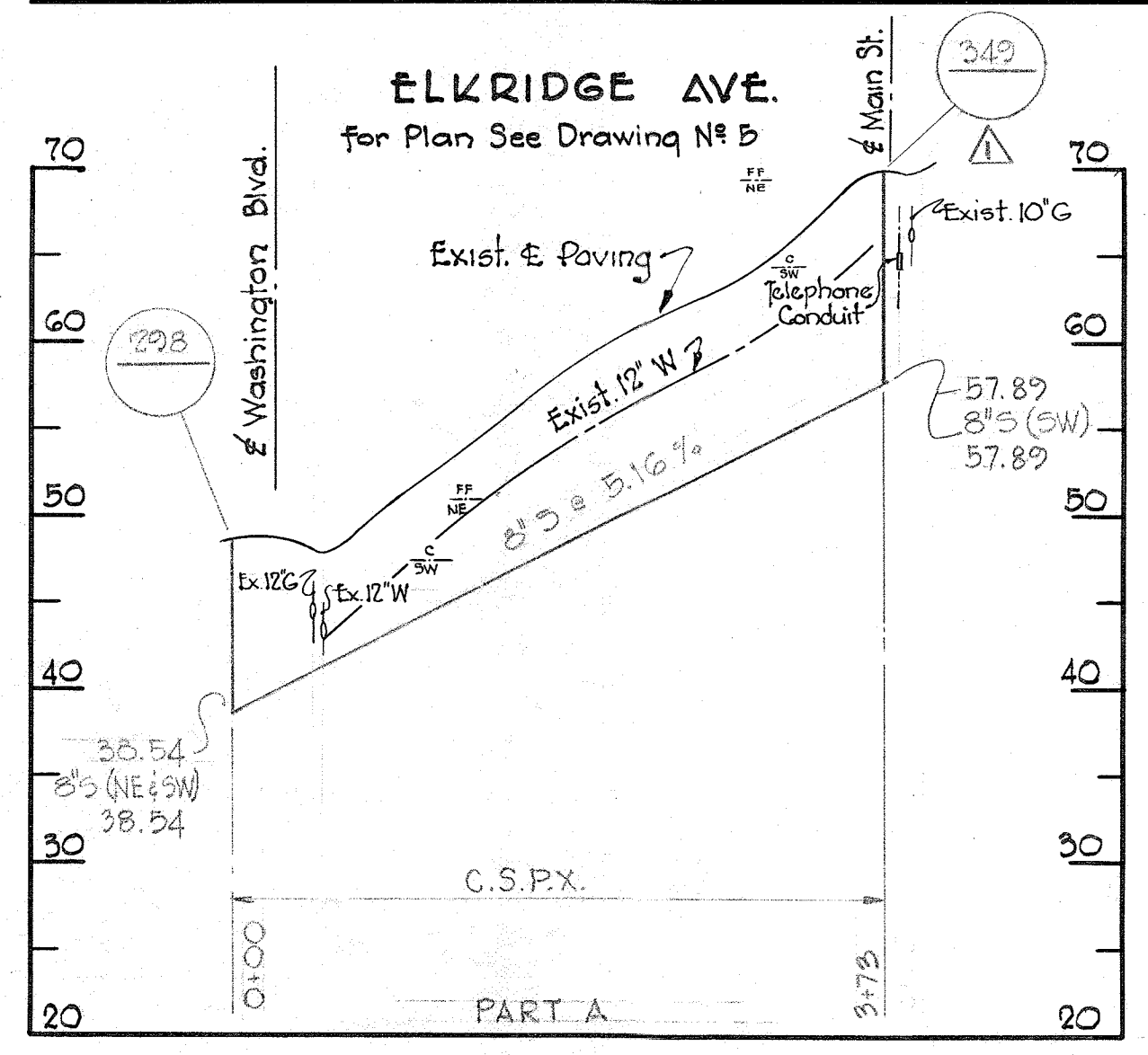


OLD WASHINGTON ROAD
for Plan See Drawing N^o 5+6



AS-BUILT

12/19/19



WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION
March 15, 1961
DATE *Carl W. Meyer*
CHIEF ENGINEER

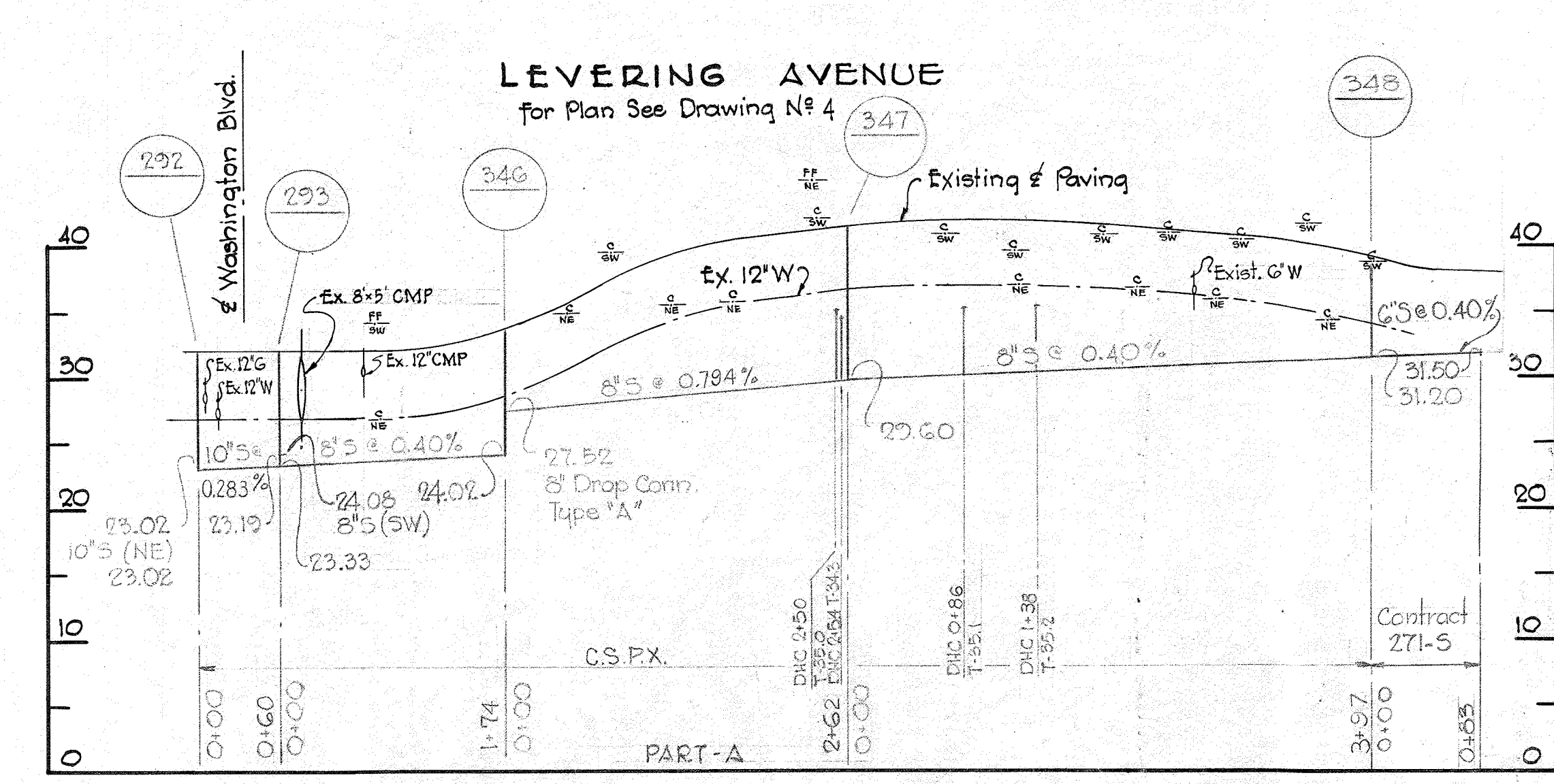
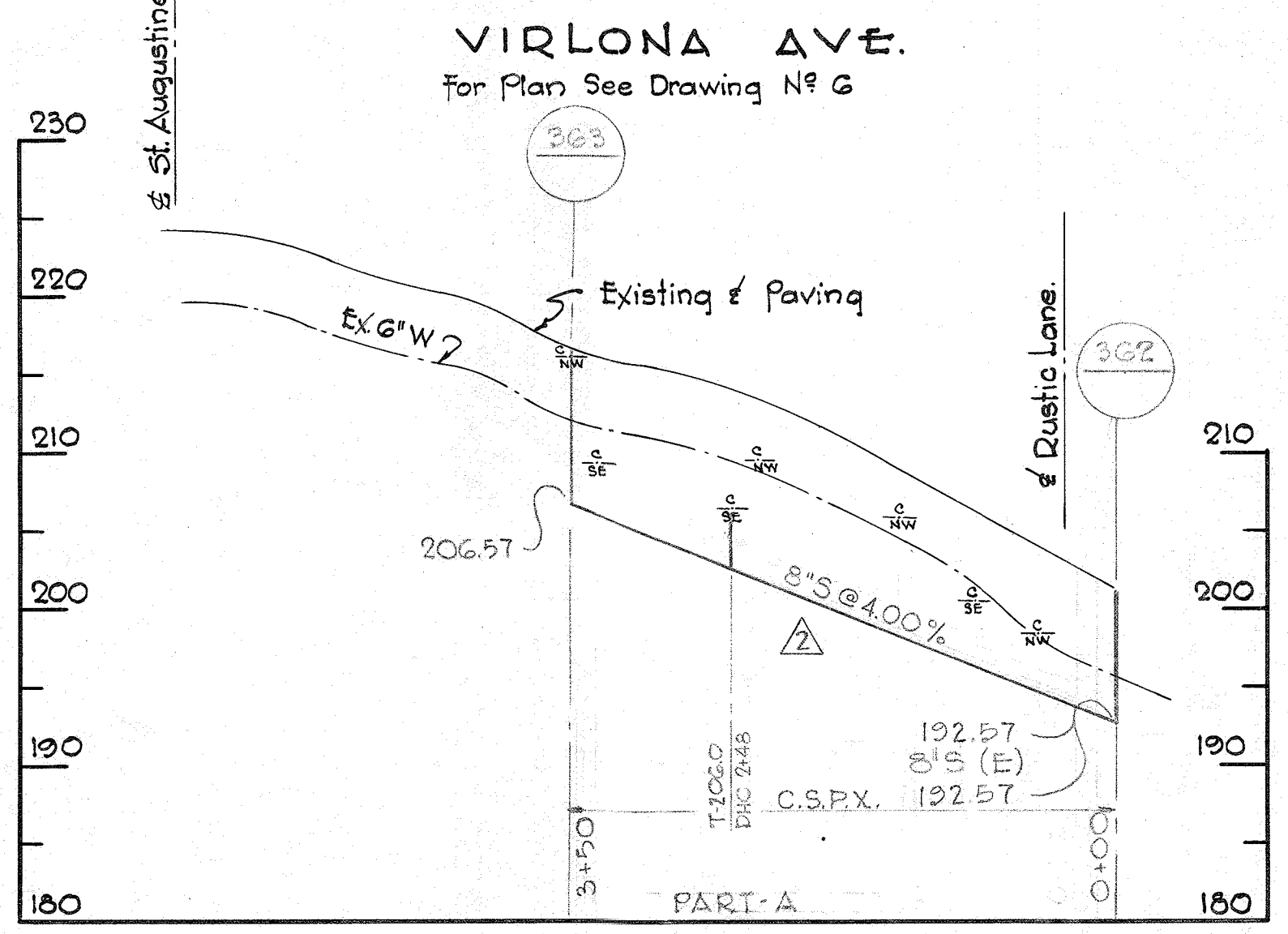
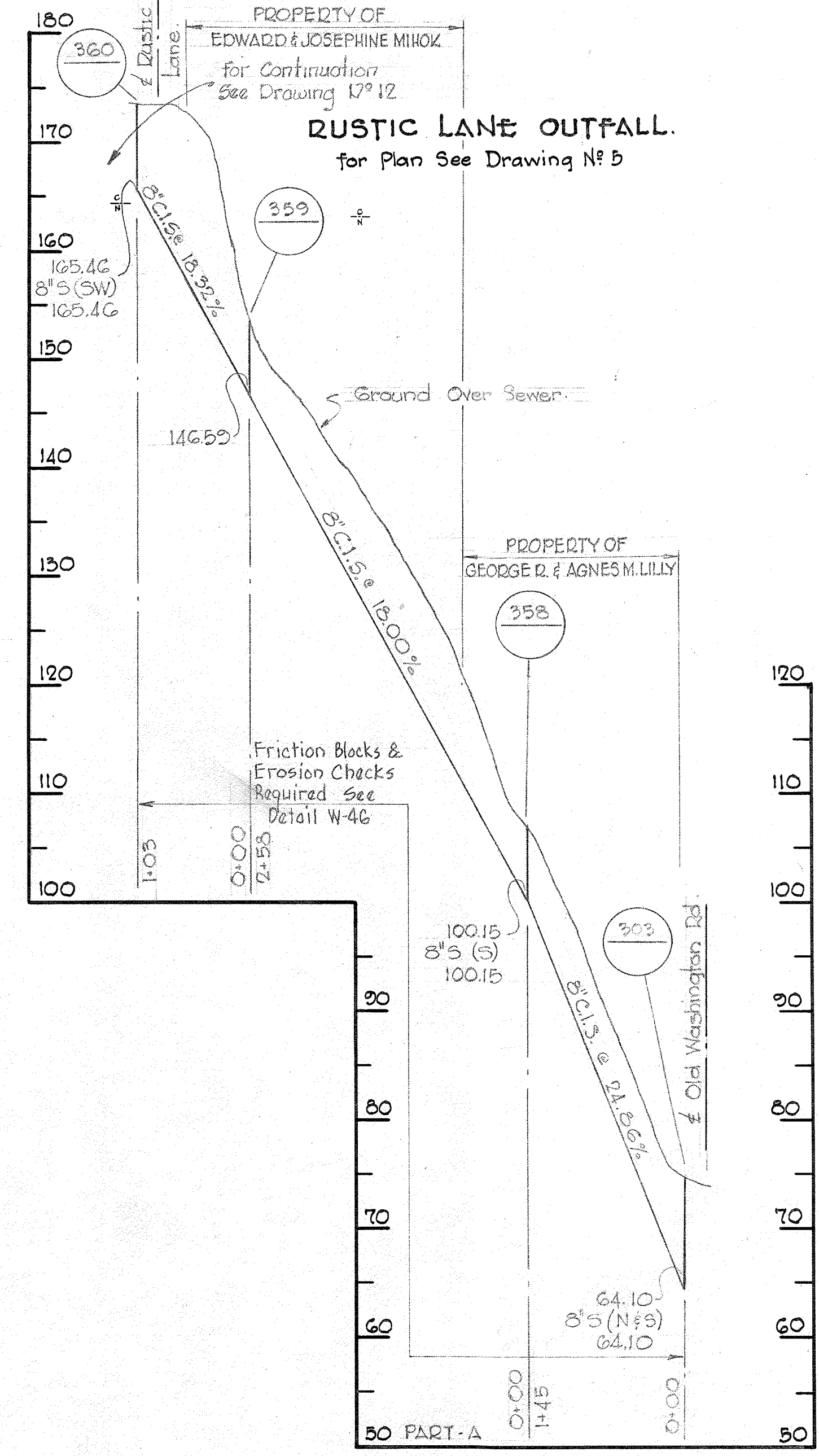
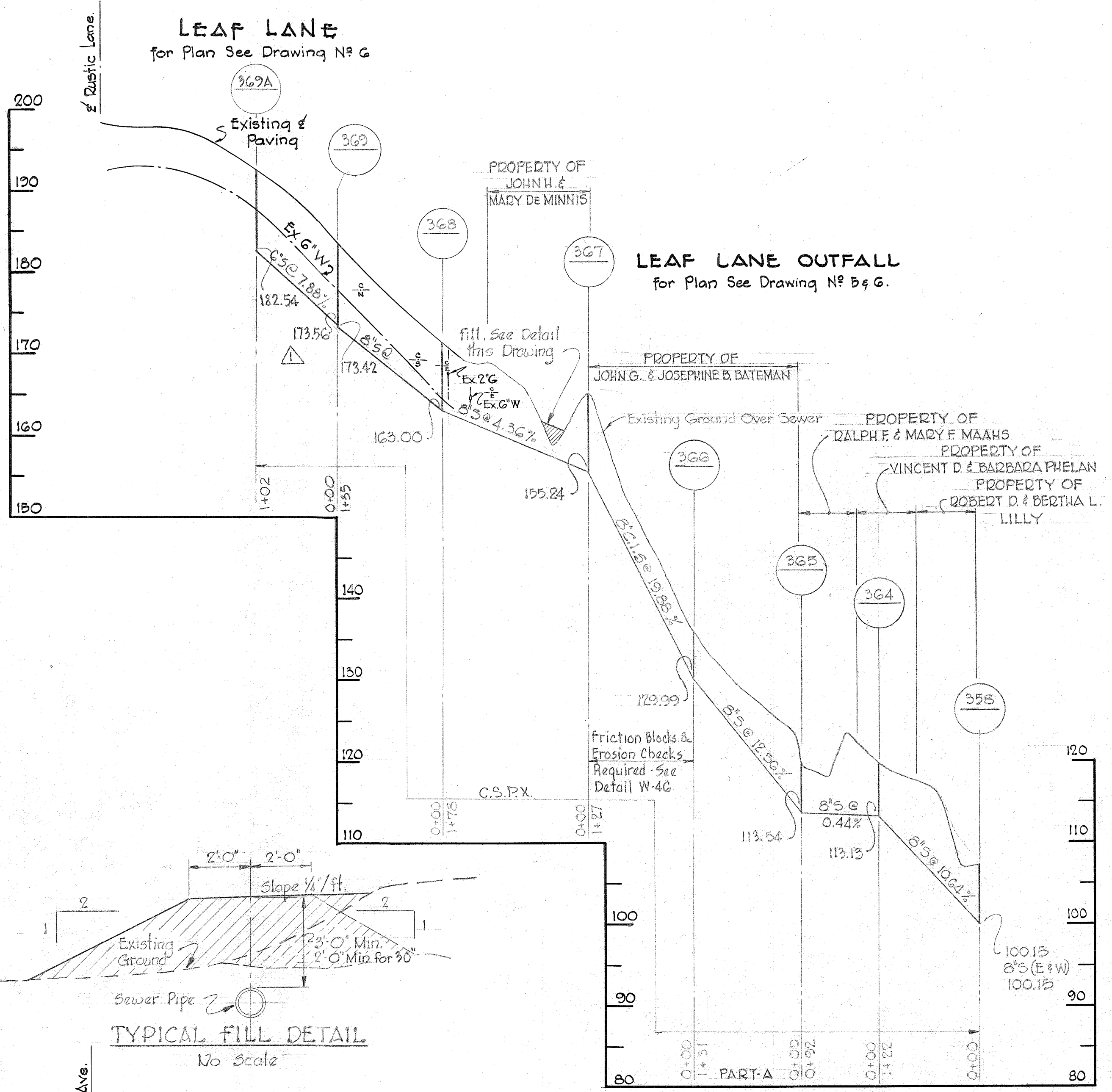
CONTRACT NO. 22-S

PROFILES OF
SEWER MAINS

ELKRIDGE SUB - DISTRICT

CONTRACT N^o 22-5
DRAWING NO. 11 OF 15
SCALE H: 1"=100'
V: 1"=10'

WS 22 S/11



N ^o	Date	Revision
2	4-1-65	MH Nos. 362 & 363 relocated
1	11-16-64	MH No. 369 relocated, MH No. 369A added.

AS-BUILT

Contract N^o 22-5

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION
March 13, 1961
DATE
Chief Engineer

CONTRACT NO. 22-S

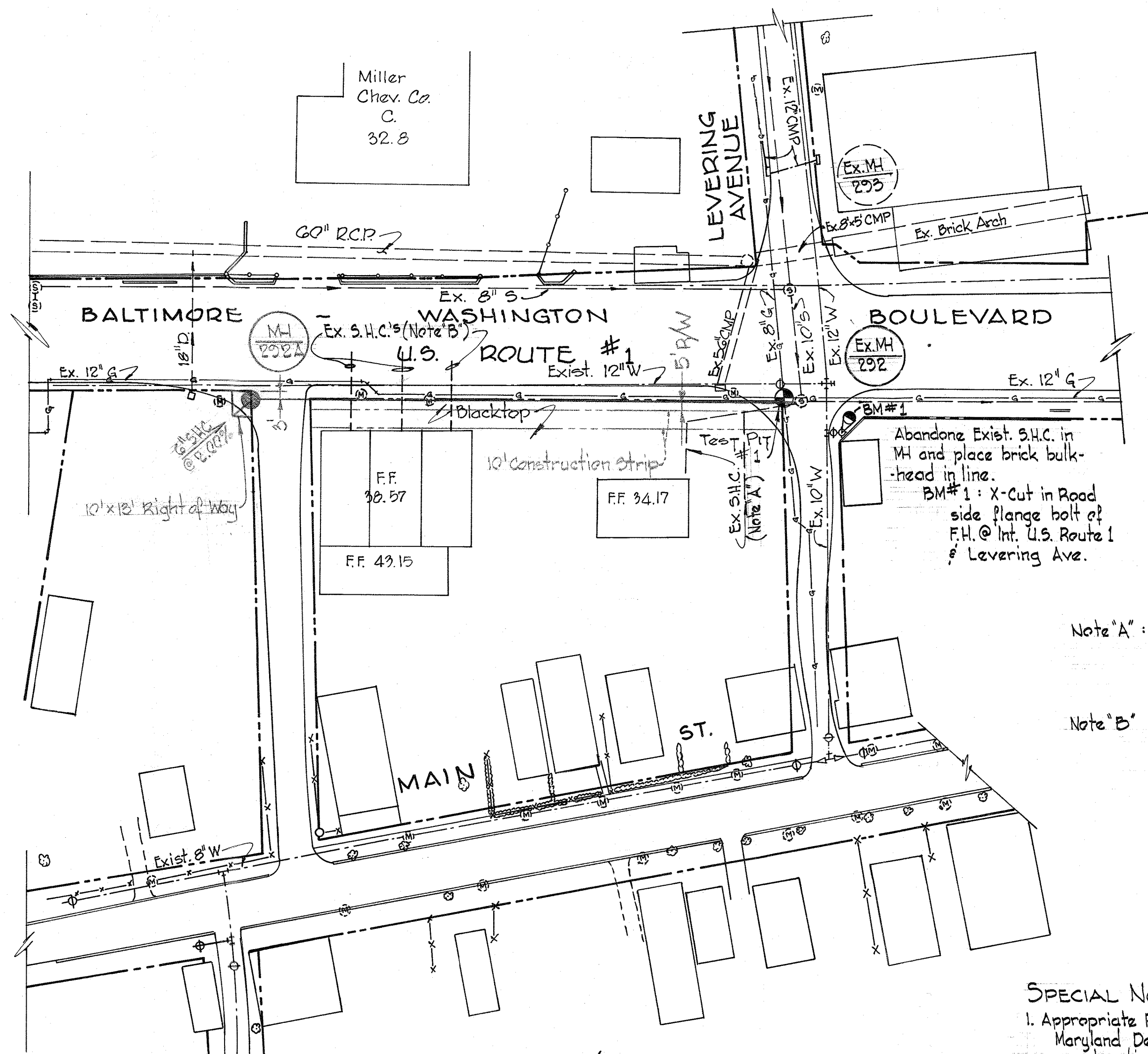
PROFILES OF SEWER MAINS

ELKRIDGE SUB - DISTRICT

DRAWING NO. 13 OF 15
SCALE H:V = 1:100 V:1" = 10'

AS BUILT 28 APR. 66

MS 225/13



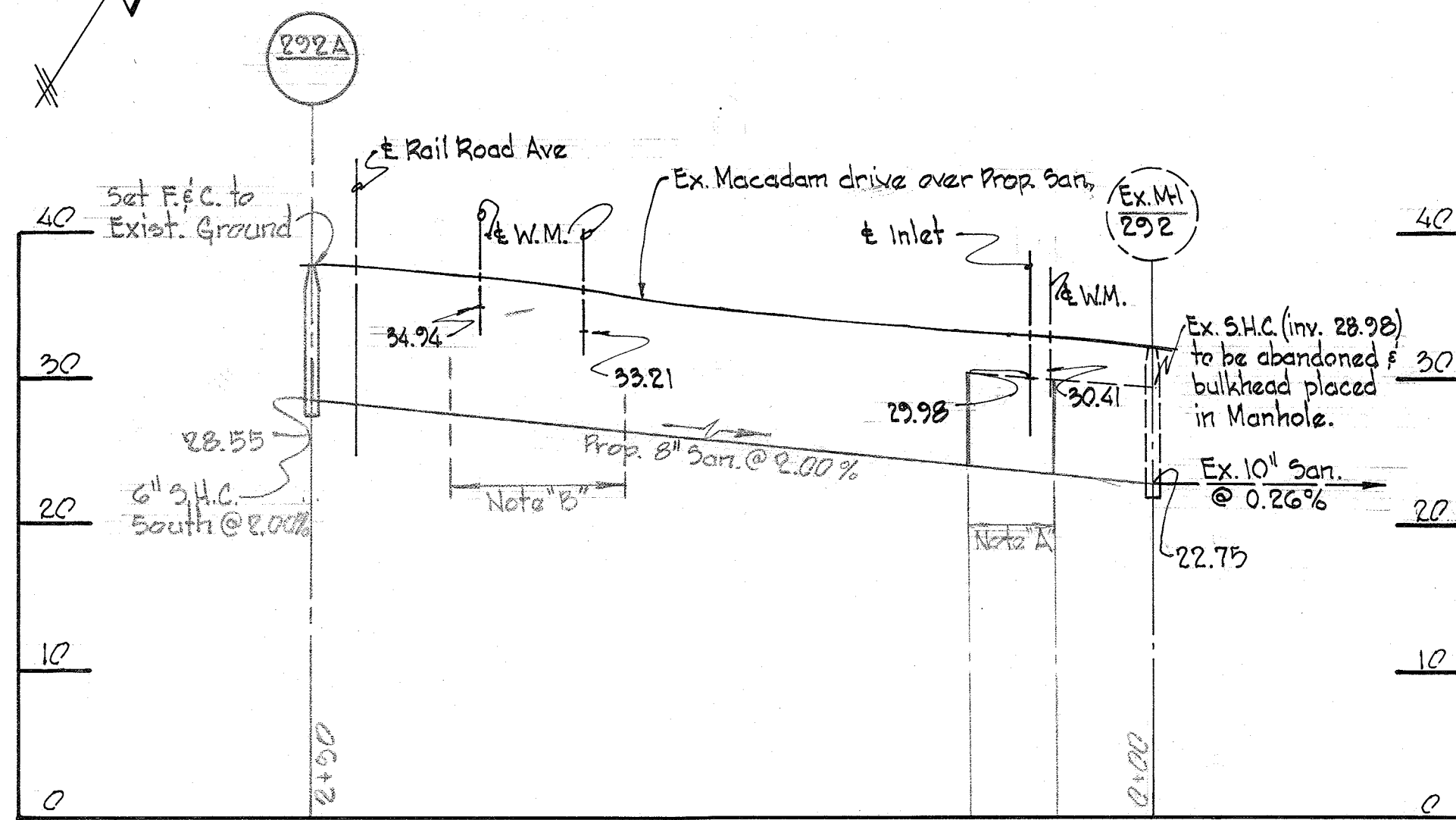
Note A: Existing S.H.C. @ MH #292 to be abandoned & house connections to connect to Prop. 8" San. with Standard Type B Drop House Connections. S.H.C.'s to be located in the field by Test Pits.

Note B: Locate Existing S.H.C.'s from 3 Unit building by Test Pits and connect to Prop. 8" San. with Standard Type B Drop House Connections.

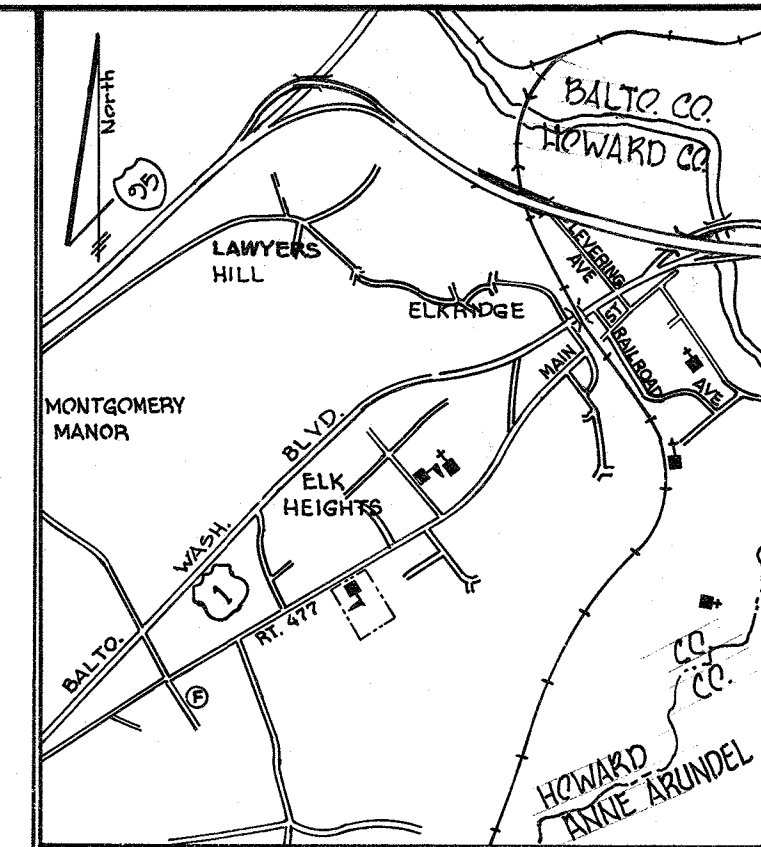
SPECIAL NOTES

1. Appropriate Permits must be obtained from the Maryland Dept. of Transportation before beginning construction.
2. It should be noted that the Utilities shown, have been located by the best available information and are not to be considered accurate or complete, therefore care should be taken to locate & protect all Utilities.

PLAN
Scale: 1"=50'



PROFILE
Horz. 1"=50'
Scale: Vert. 1"=10'



VICINITY MAP
Scale: 1"=2000'

GENERAL NOTES

1. Approximate location of Utilities are shown. All necessary precautions shall be taken to protect existing utilities and to maintain uninterrupted service. Any damage incurred shall be repaired immediately.
2. All Pipe elevations shown are invert elevations.
3. All existing Utilities shall be located well in advance of construction.
4. Clear all Utilities by 6" minimum. Clear all poles by 2'-0" minimum or tunnel as required.
5. The following Utilities or Agencies are to be notified at least 5 working days before starting the work shown on these plans.
 Baltimore Gas and Electric Company Underground Electric Distribution Engineering "Damage Control" 254-5691
 Baltimore Gas and Electric Company Underground Gas Distribution Engineering 559-0100
 Miss Utility 800-441-8335
6. All horizontal Control based on Maryland State Coordinates.
7. All vertical Control based on Maryland State Datum.

AS-BUILT

by *ycal* Date 12/12/19

BUREAU OF ENGINEERING
DIVISION OF SURVEYS / INSPECTION

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

ADDITION TO
CONTRACT NO. 22-5

PLAN & PROFILE
SEWER EXTENSION

ELKRIDGE
ELECTION DISTRICT NO. 1

DRAWING
NO. 15
OF 15

SCALE
AS
NOTED

Drawn: M. Witham
Des: M. Witham
Appr: J.L. Riddle

WS 225/15 SM

Director of Public Works DATE 12/12/19
Chief - Bureau of Engineering DATE 12/12/19