

CONTRACT 32 S

SEWER MAIN EXTENSIONS

HOWARD COUNTY METROPOLITAN COMMISSION

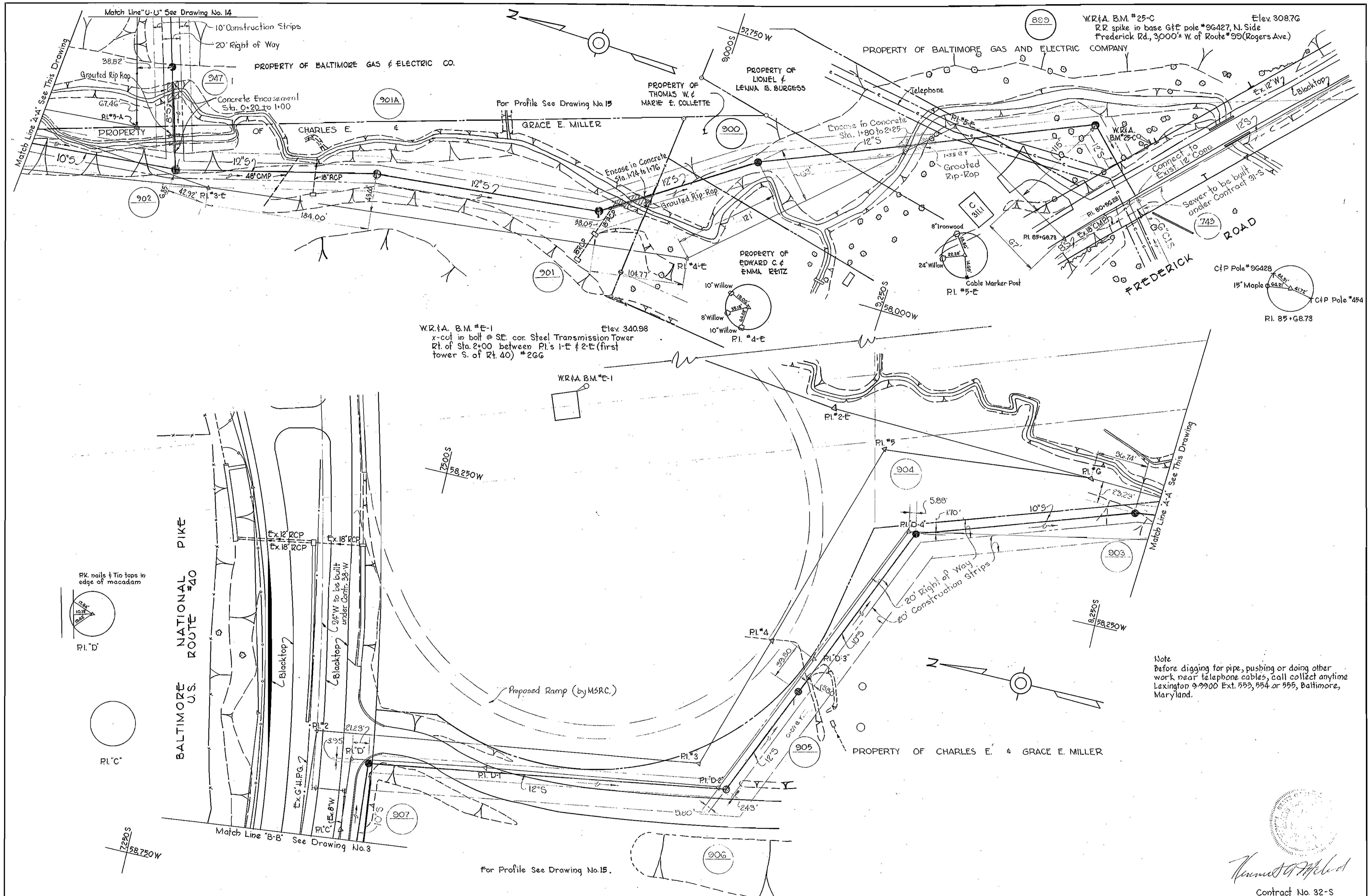
ELLICOTT CITY SUB-DISTRICT

Robert M. ... Contract 32-S

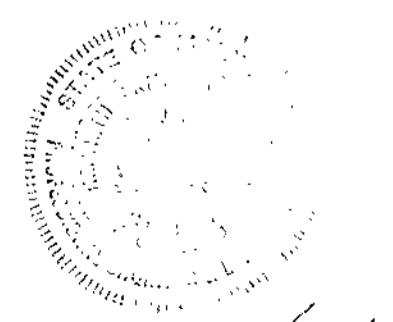
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 16, 1963 <small>DATE</small>	CONTRACT NO. 32-S	LOCATION MAP	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 1 OF 19 SCALE AS SHOWN
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WS 32 S/1

WS 32 S/2



Note
 Before digging for pipe, pushing or doing other work near telephone cables, call collect anytime Lexington 9-9900 Ext. 553, 554 or 555, Baltimore, Maryland.



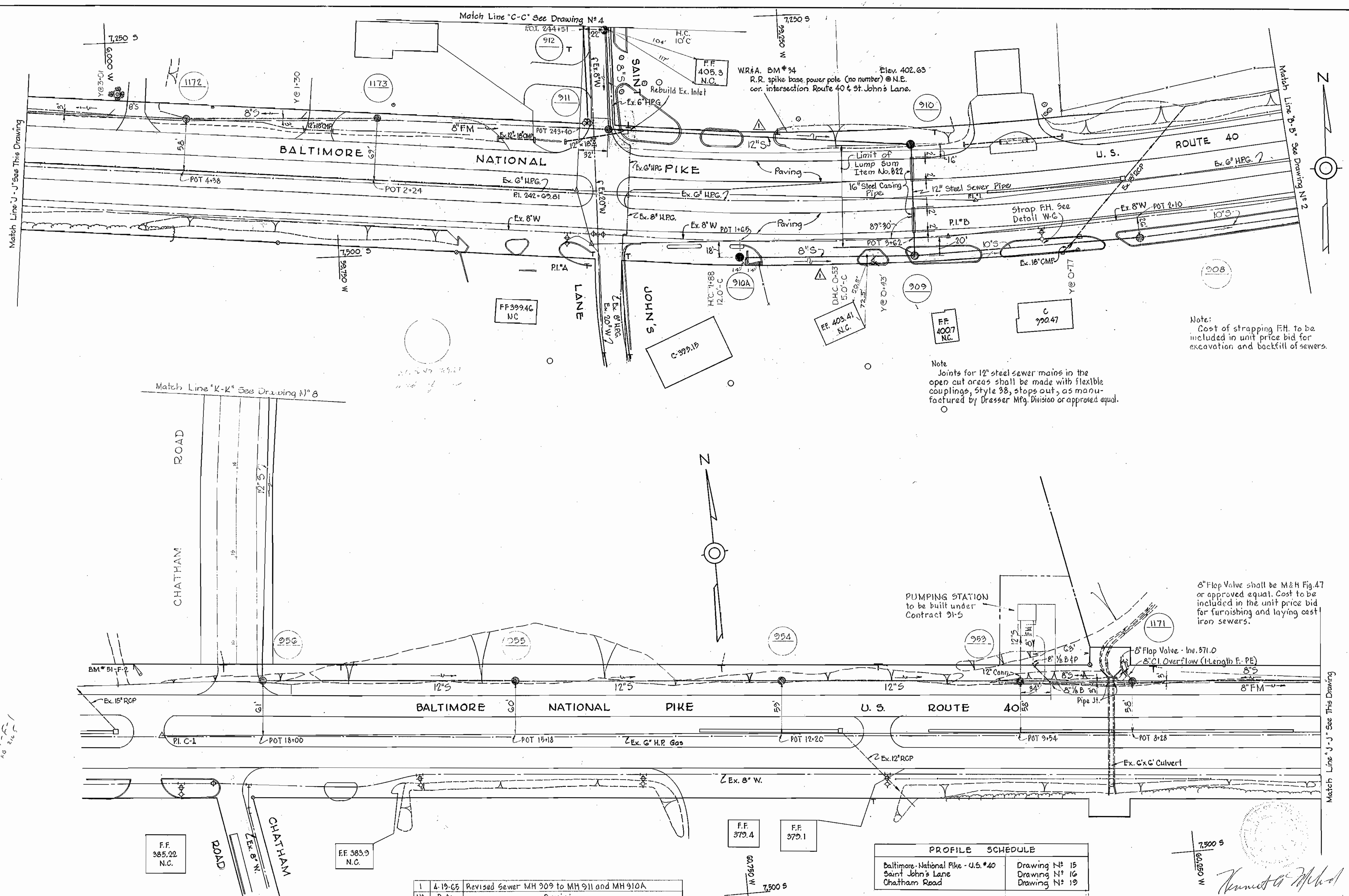
Howard W. Meyer
 Chief Engineer

Contract No. 32-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 16, 1963 DATE	CONTRACT NO. 32-S	PLAN OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 2 OF 19 SCALE 1"=50' <small>8 SW 38.40 9, 10 SW 39</small> <small>FB, 2216, 2870</small>
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W.O. 5010-2

AS BUILT 10 DEC. 65

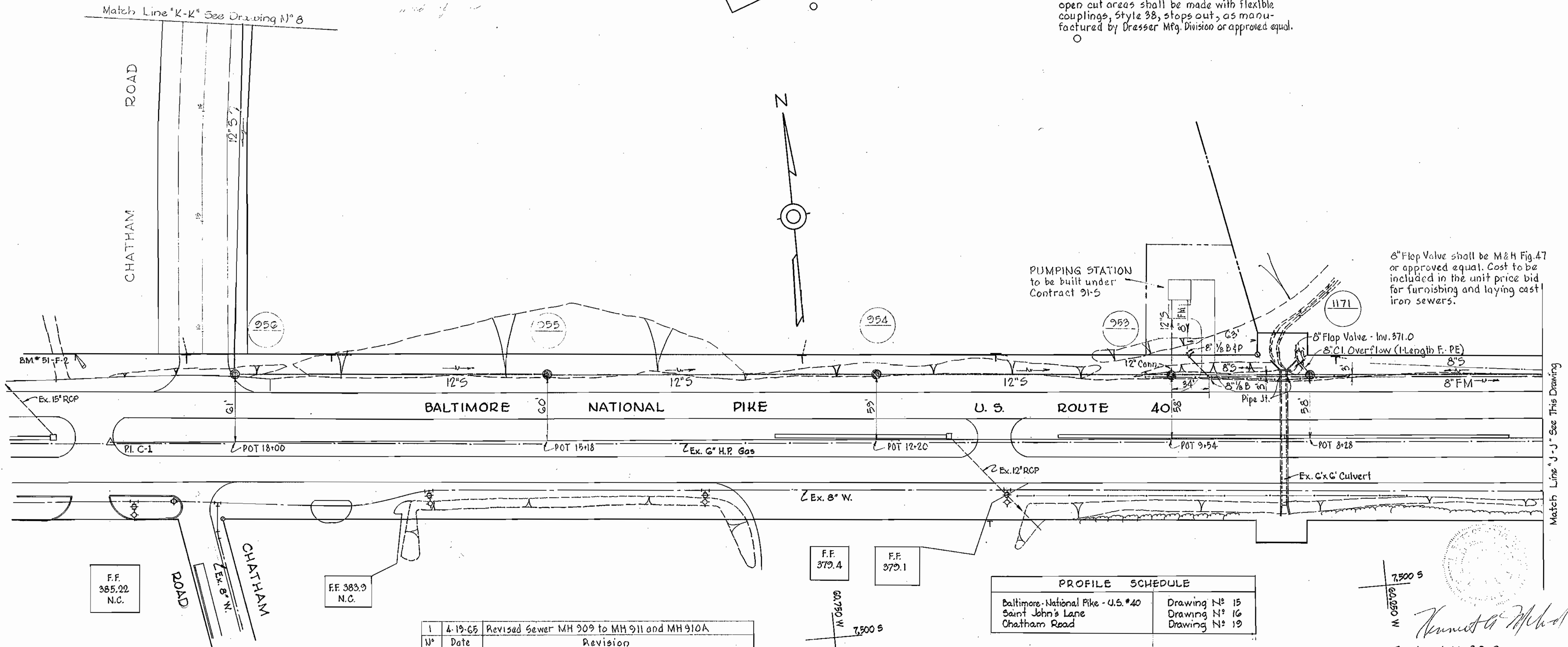


Note:
Cost of strapping F.H. to be included in unit price bid for excavation and backfill of sewers.

Note:
Joints for 12" steel sewer mains in the open cut areas shall be made with flexible couplings, Style 38, stops out, as manufactured by Dresser Mfg. Division or approved equal.

8" Flop Valve shall be M&H Fig. 47 or approved equal. Cost to be included in the unit price bid for furnishing and laying cast iron sewers.

PUMPING STATION to be built under Contract 91-5



PROFILE SCHEDULE	
Baltimore National Pike - U.S. #40	Drawing N: 15
Saint John's Lane	Drawing N: 16
Chatham Road	Drawing N: 19

N ^o	Date	Revision
1	4-19-65	Revised Sewer MH 909 to MH 911 and MH 910A

Contract No. 32-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 16, 1963 DATE	CONTRACT NO. 32-S	PLAN OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 3	SCALE 1"=50'
					OF 19	

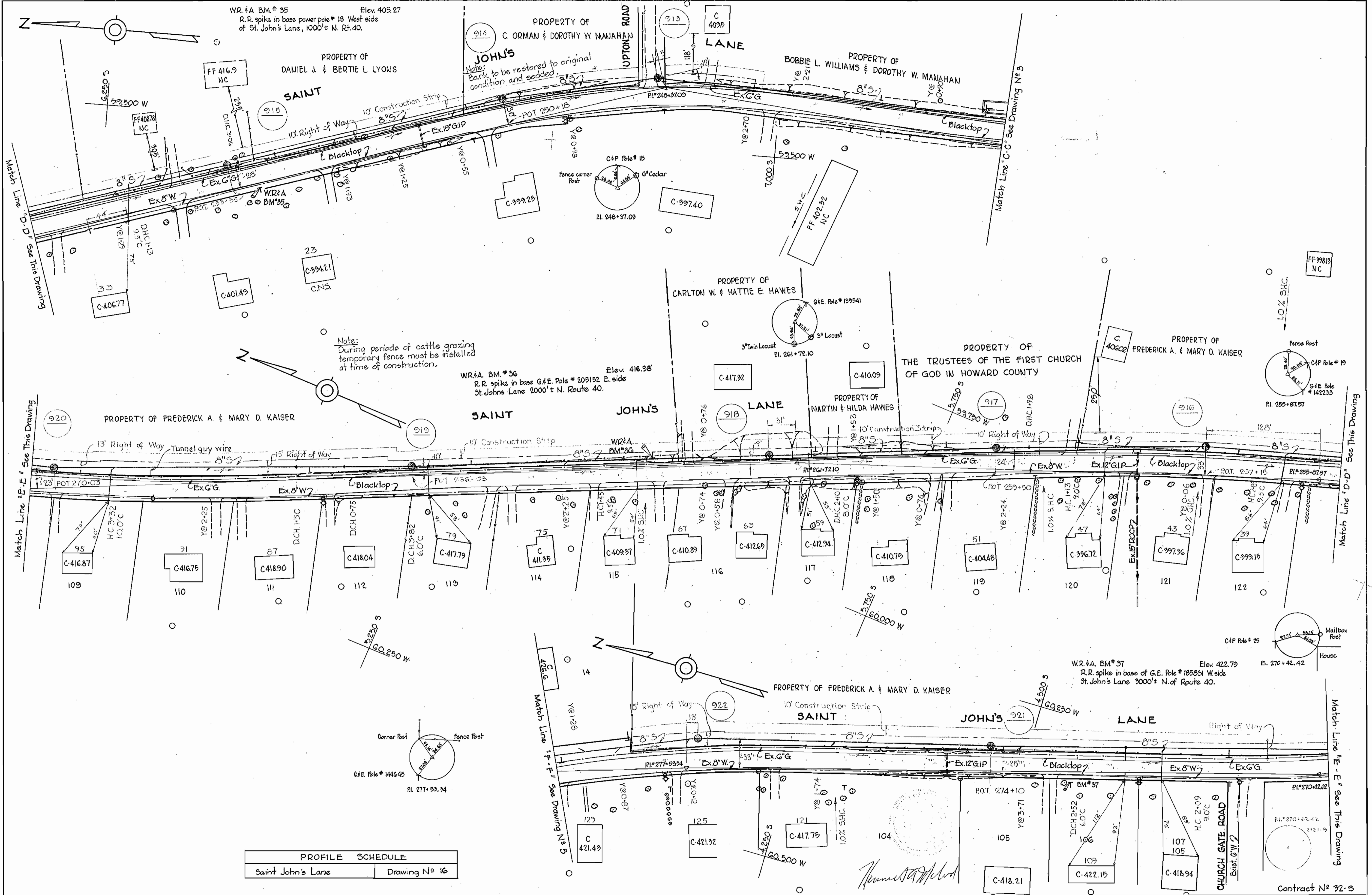
AS BUILT 10 DEC. 65

WS 32 S/3

W. O. 5010-2

FB. 2616
2556
2896

WS 325/4



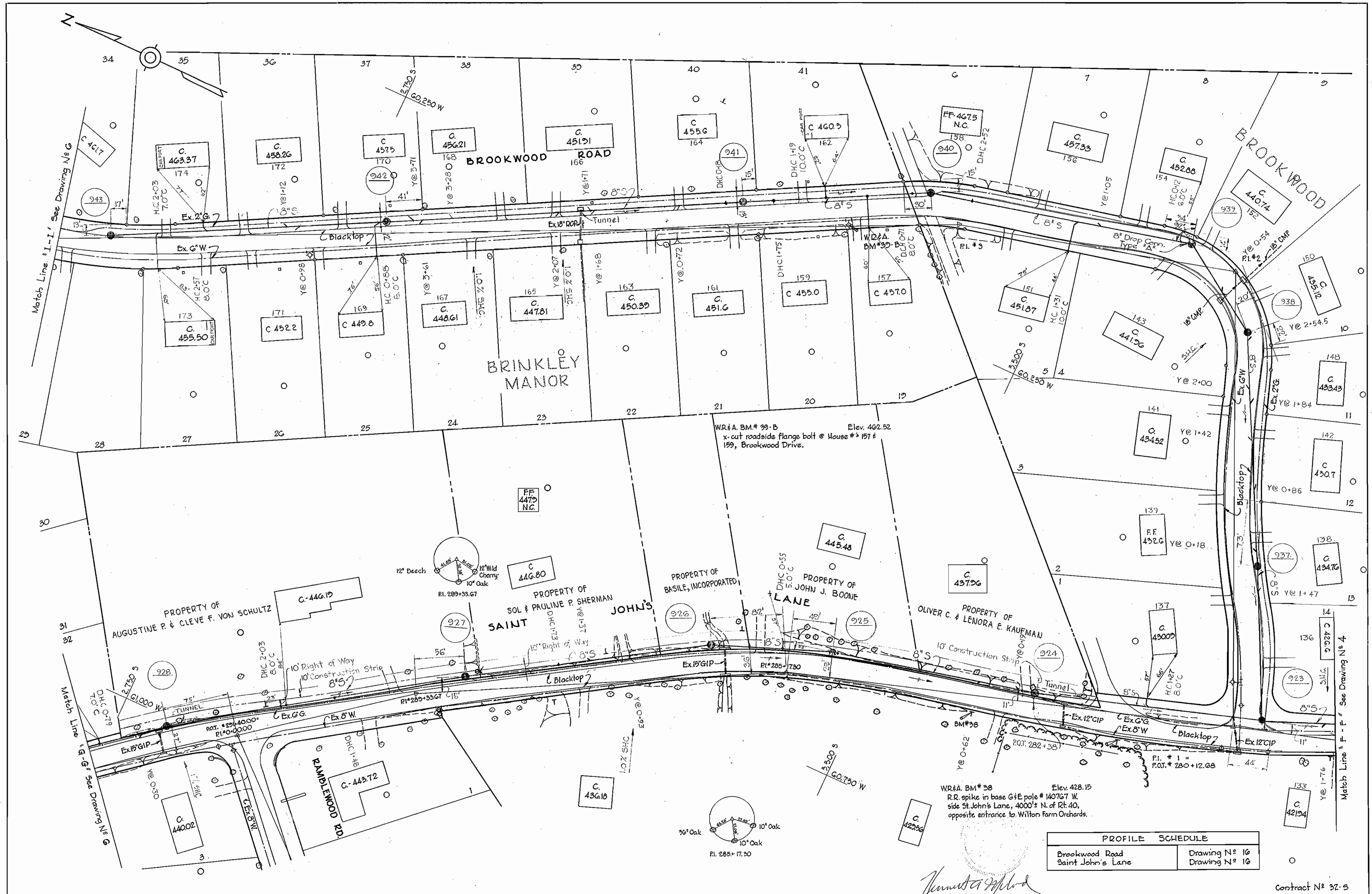
PROFILE SCHEDULE	
Saint John's Lane	Drawing No 16

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 16, 1963 DATE <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 32-S	PLAN OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 4 OF 19 SCALE 1"=50' FEB. 21 1964
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W. O. 5010-2

AS BUILT 10 DEC. 65

WS 32 S/5



PROFILE SCHEDULE	
Brookwood Road	Drawing N ^o 16
Saint John's Lane	Drawing N ^o 16

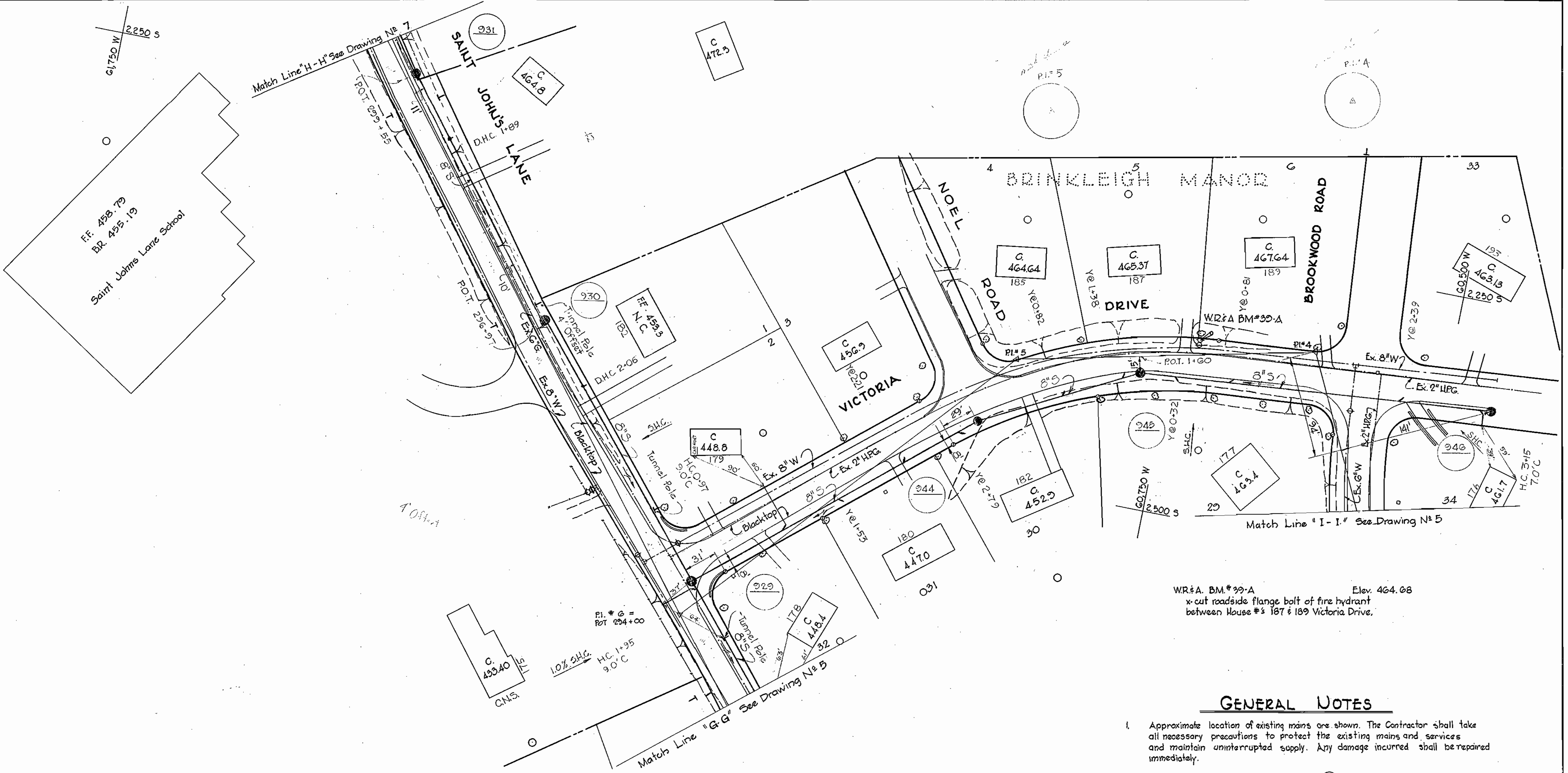
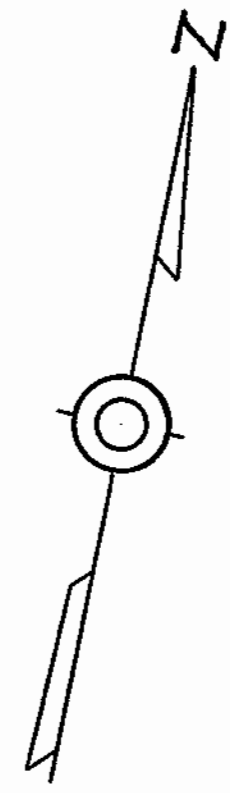
Contract N^o 32-S

WHITMAN, REQUARD & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 16, 1963 <i>Charles Meyer</i> CHIEF ENGINEER	CONTRACT NO. 32-S	PLAN OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 5 OF 19	SCALE 1" = 50' <small>5.5W41, 4.5W41 5.5W41</small>
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W. O. 5010-2

AS BUILT 10 DEC. 65

FD. 2349-2648



WR&A. BM #99-A Elev. 464.08
 x-cut roadside flange bolt of fire hydrant
 between House #s 187 & 189 Victoria Drive.

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 Specifications.
5. Build all manholes to existing ground or paving unless otherwise noted.
6. All sewers shall be V.C.P.X., C.S.P.X. or Asbestos Cement Class 2400 unless otherwise noted.
7. All 8" Cast Iron Sewer Force Main and 6" CI Sewer shall be Class 22.
8. Tunnel all poles as required.
9. Cost of grouted rip-rap to be included in the unit price bid for excavation and backfill of sewers.
10. Cost of Erosion Checks to be included in the unit price bid for furnishing and laying sewer mains.

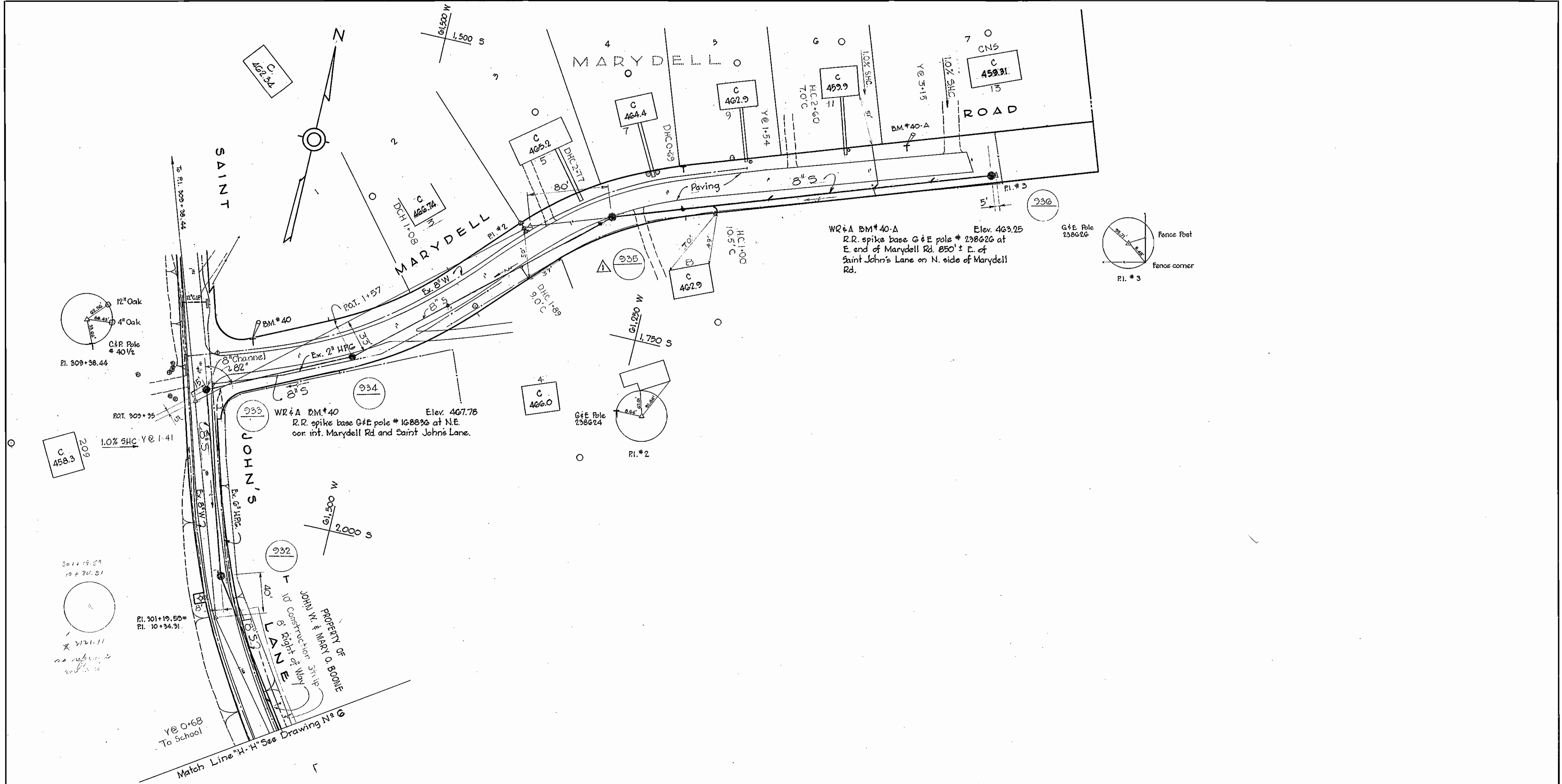
PROFILE	SCHEDULE
Saint John's Lane	Drawing N° 16
Victoria Drive	Drawing N° 17

Howard W. Meyer
 Contract N° 32-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 16, 1963 <i>Howard W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 32-S	PLAN OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 6 OF 19 SCALE 1"=50'
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WS 32 S/6

WS 325/7



No.	Date	Revision
1	1-27-65	Manhole 935 relocated.

PROFILE SCHEDULE	
Saint John's Lane	Drawing N° 16
Marydell Road	Drawing N° 18

James A. McLeod

Contract N° 32-5

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

HOWARD COUNTY METROPOLITAN COMMISSION
Dec. 16, 1963
Carl W. Meyer
CHIEF ENGINEER

CONTRACT NO. 32-5

PLAN OF
SEWER MAINS

ELLCOTT CITY SUB-DISTRICT

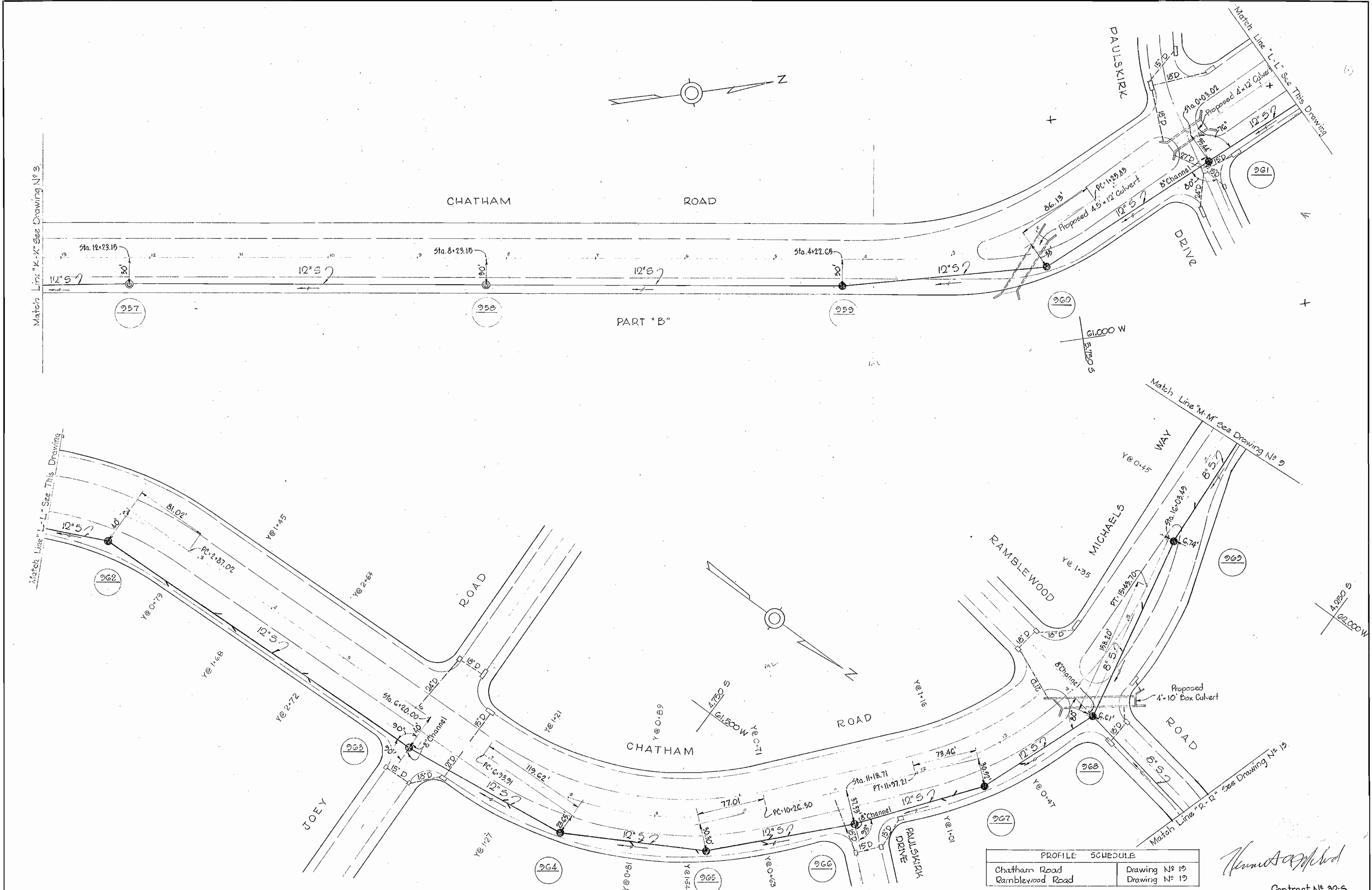
DRAWING NO. 7 OF 19
SCALE 1"=50'

W. O. 5010-2

AS BUILT, 10 DEC. 65

FD. 2340

WS 325/8



PROFILE SCHEDULE	
Chatham Road	Drawing N ^o 19
Ramblewood Road	Drawing N ^o 19

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Contract N^o 32-5

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

HOWARD COUNTY METROPOLITAN COMMISSION
DATE Dec. 16, 1963
Handwritten signature
CHIEF ENGINEER

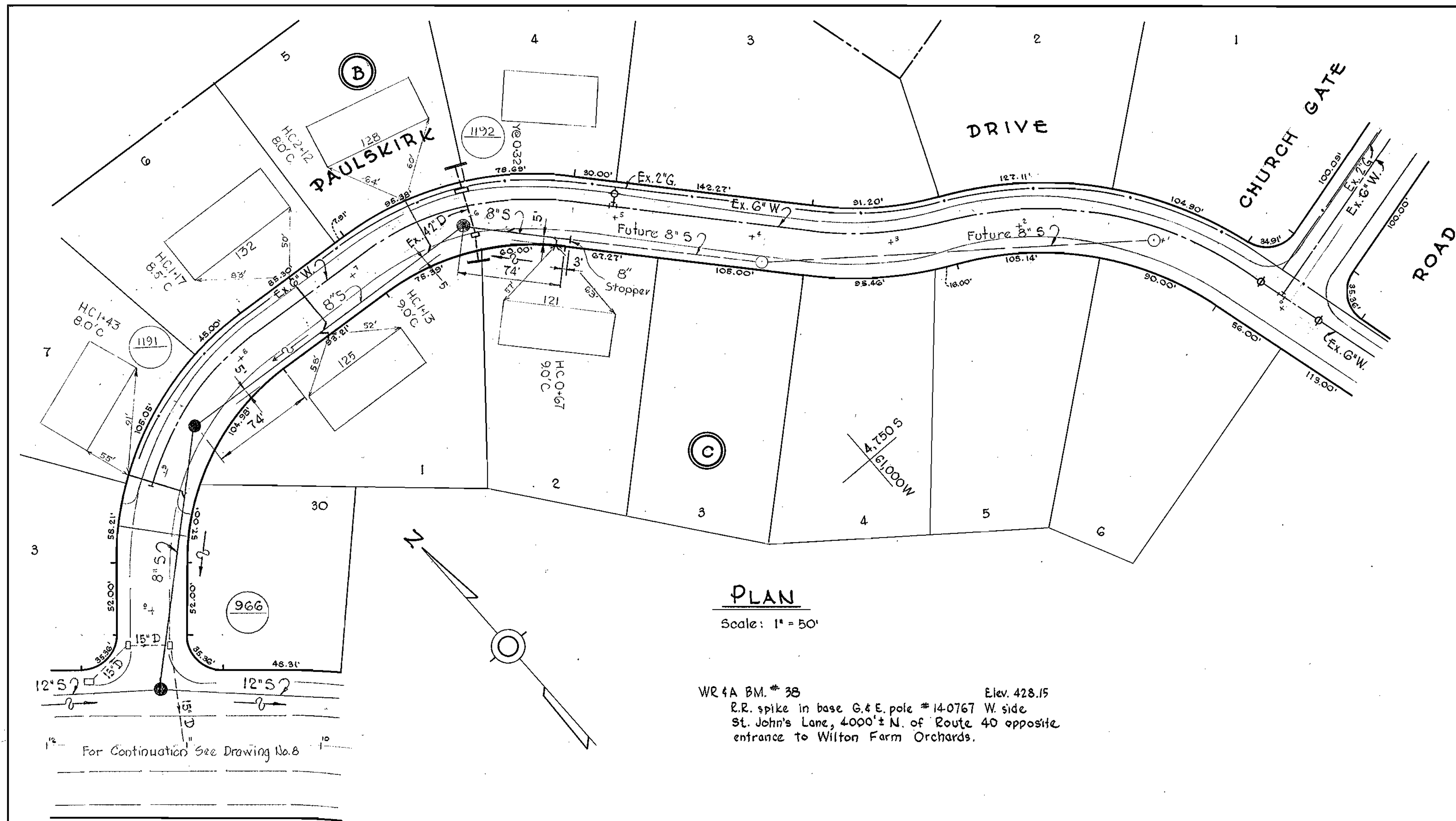
CONTRACT NO. 32-5

PLAN OF SEWER MAINS

ELLICOTT CITY SUB-DISTRICT

DRAWING NO. 8 OF 19

SCALE 1" = 50'

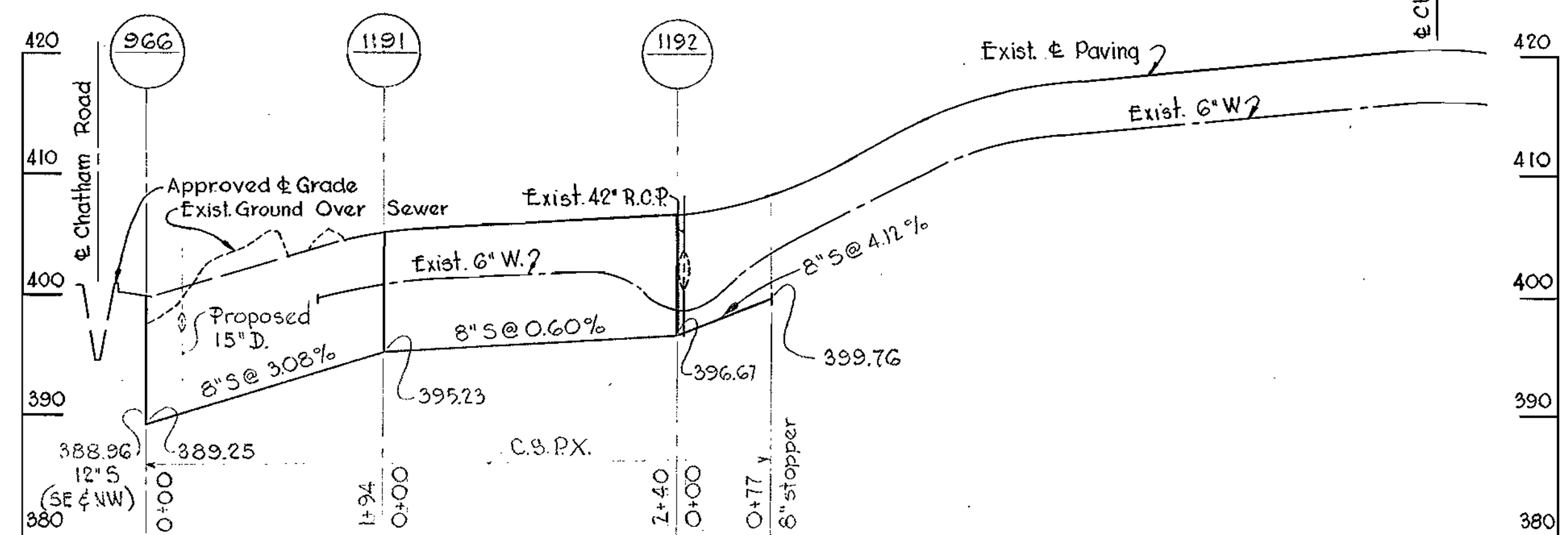


PLAN
Scale: 1" = 50'

WR 4A B.M. # 38 Elev. 428.15
 R.R. spike in base G. & E. pole # 14-0767 W. side
 St. John's Lane, 4000' ± N. of Route 40 opposite
 entrance to Wilton Farm Orchards.

CHATHAM ROAD

PAULSKIRK DRIVE



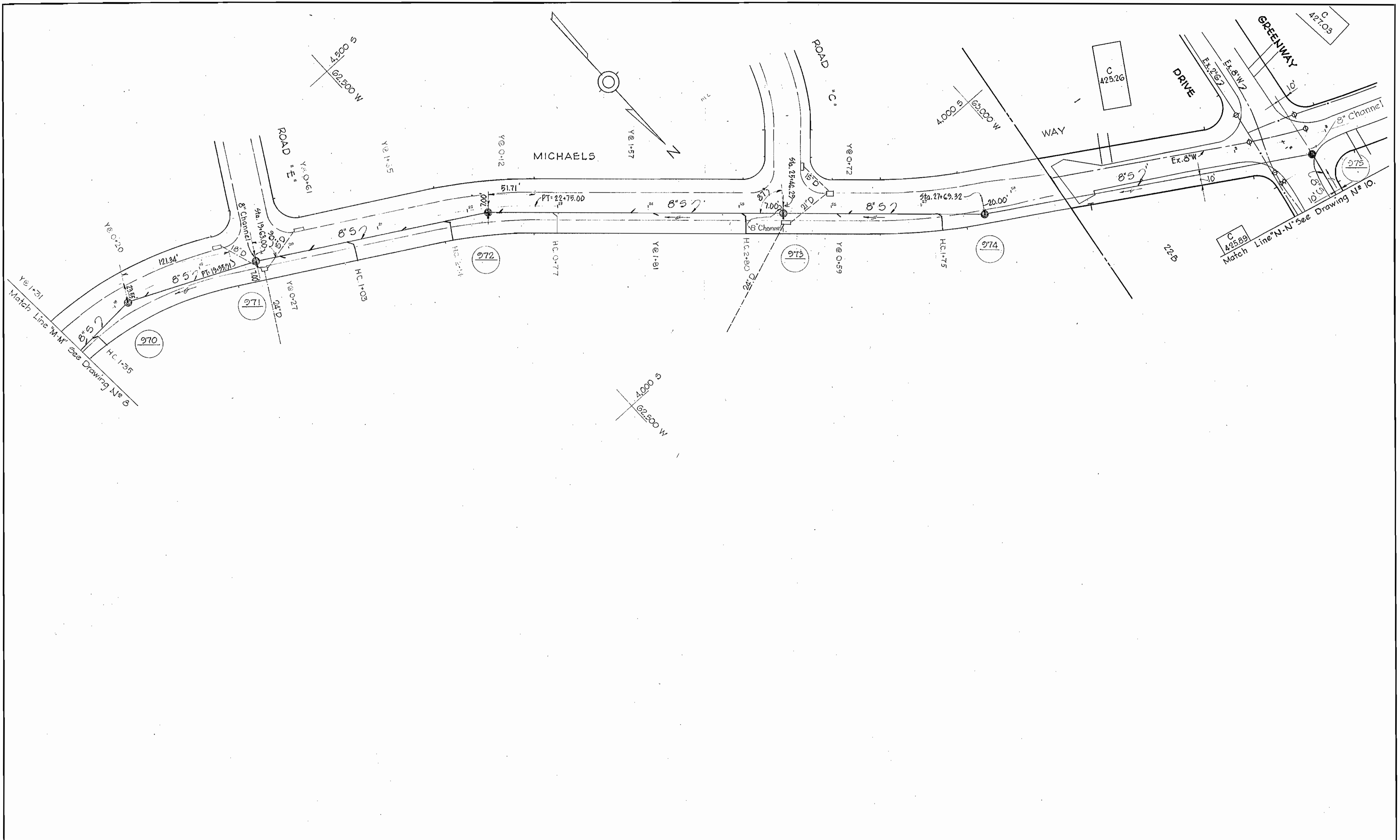
PROFILE
Scale: H: 1" = 100'
V: 1" = 10'

Kenneth A. Wood
 Contract 32-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 7 APR 65 DATE <i>W.O. Whitman</i> CHIEF ENGINEER	CONTRACT NO. 32-S	PLAN AND PROFILE OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 8A OF 19 SCALE AS SHOWN
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WS 32 S/8-A

WS 32S/9



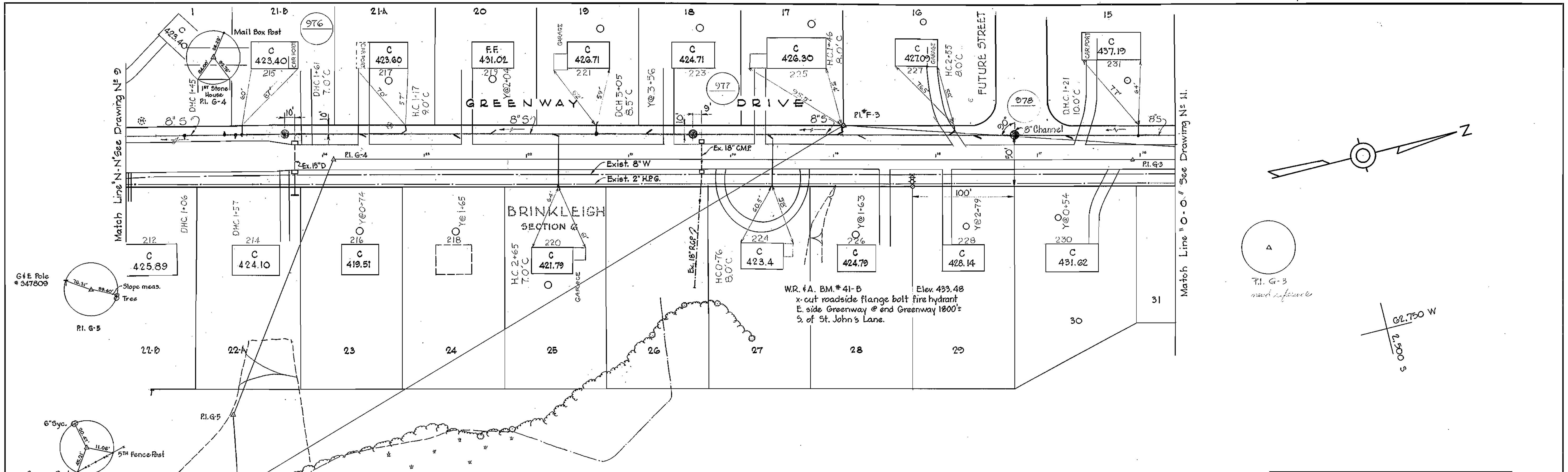
PROFILE SCHEDULE	
Chatham Road	Drawing N ^o 10
Greenway Drive	Drawing N ^o 10

Thomas A. Johnson
Contract 32-S

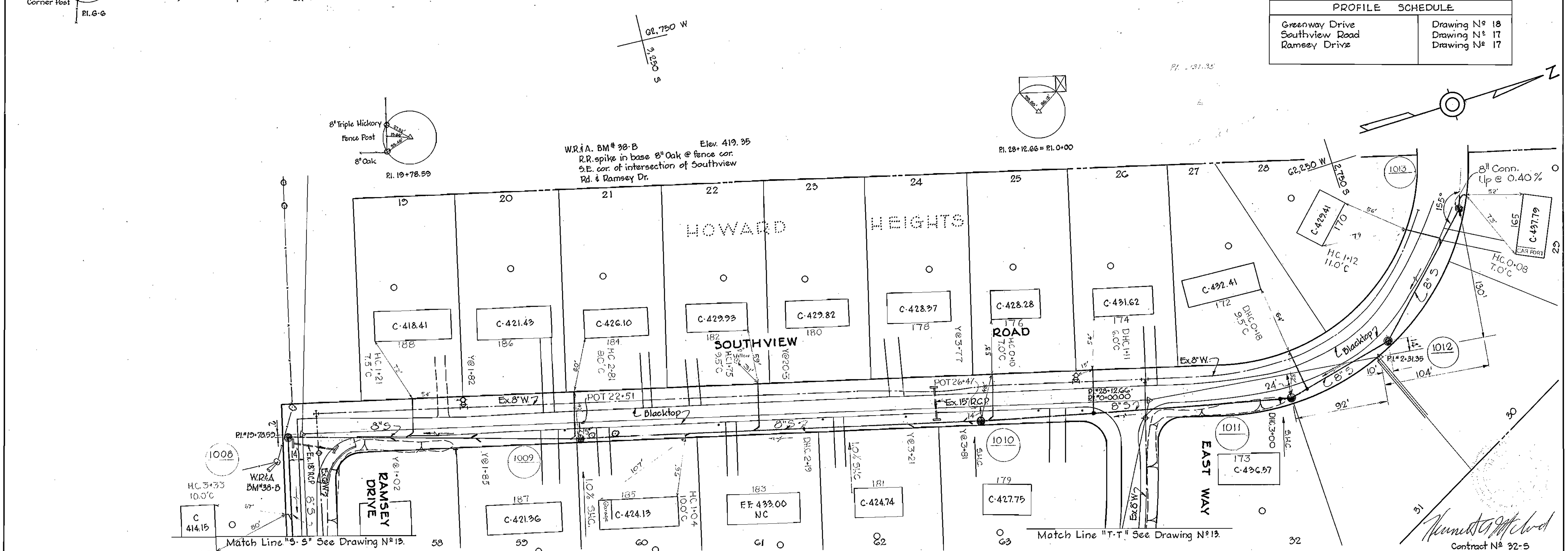
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE <u>12-29-64</u> <i>W. O. Johnson</i> CHIEF ENGINEER	CONTRACT NO. <u>32-S</u>	PLAN OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. <u>9</u>	SCALE 1"=50'
					OF <u>19</u>	

W. O. 5010-2

AS BUILT 10 DEC. 65



PROFILE SCHEDULE	
Greenway Drive	Drawing N ^o 18
Southview Road	Drawing N ^o 17
Ramsey Drive	Drawing N ^o 17

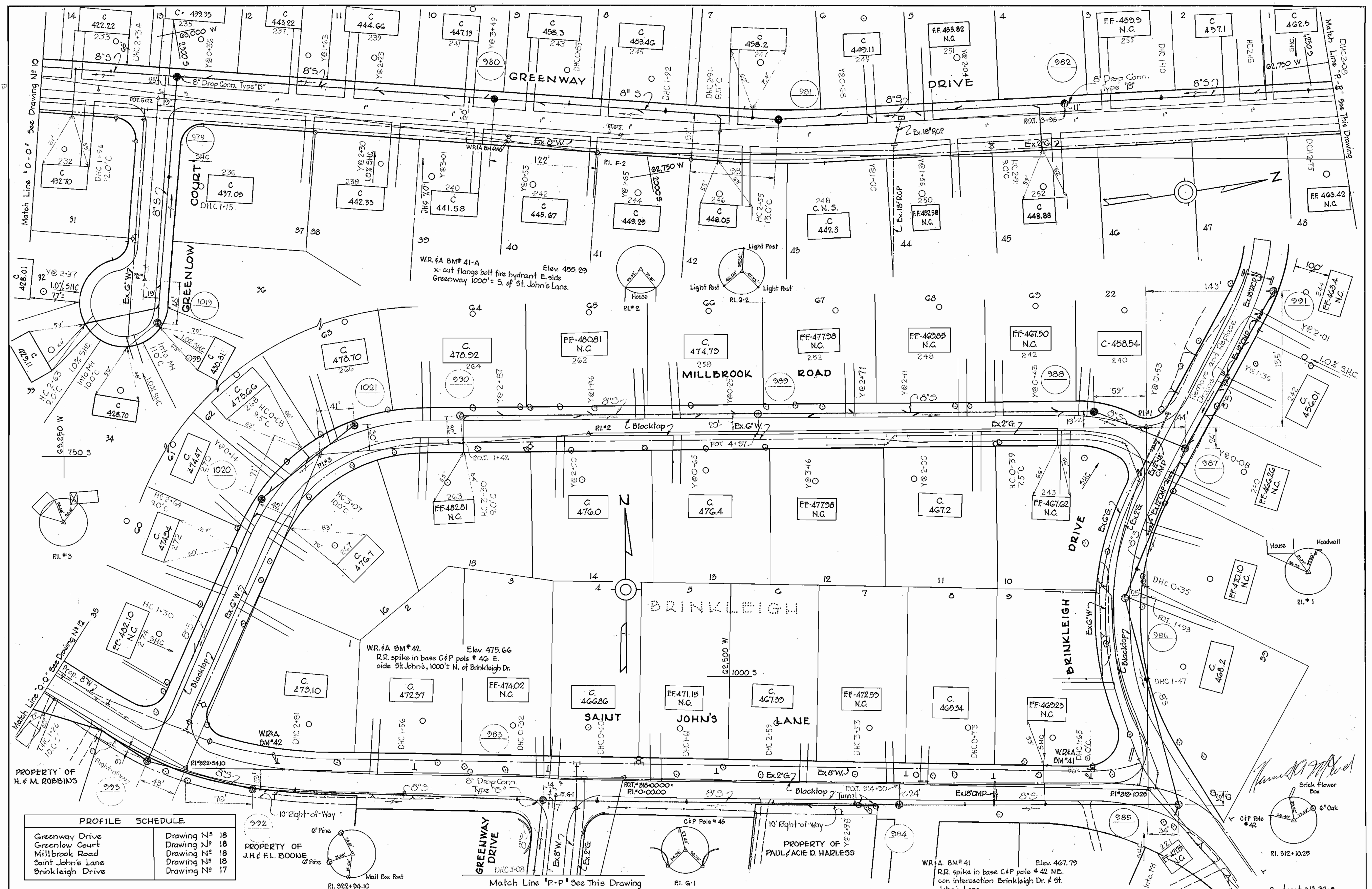


WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 16, 1963 DATE <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 32-S	PLAN OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 10	SCALE 1"=50'
					OF 19	

WS 32 S 10

ELLIOTT CO., PITTSBURGH REORDER A-39070

WS 325/11



PROFILE SCHEDULE	
Greenway Drive	Drawing N ^o 18
Greenlow Court	Drawing N ^o 18
Millbrook Road	Drawing N ^o 18
Saint John's Lane	Drawing N ^o 18
Brinkleigh Drive	Drawing N ^o 17

PROPERTY OF
J.H. & F.L. BOONE

Mail Box Post
PI. 922+94.10

PROPERTY OF
PAUL & ACIE D. HARLESS

10' Right-of-Way

WR. & A. BM#41
Elev. 467.79
R.R. spike in base C&P pole #42 NE.
cor. intersection Brinkleigh Dr. & St
John's Lane.

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

HOWARD COUNTY METROPOLITAN COMMISSION
DATE Dec. 16, 1963
CHIEF ENGINEER

CONTRACT NO. 32-S

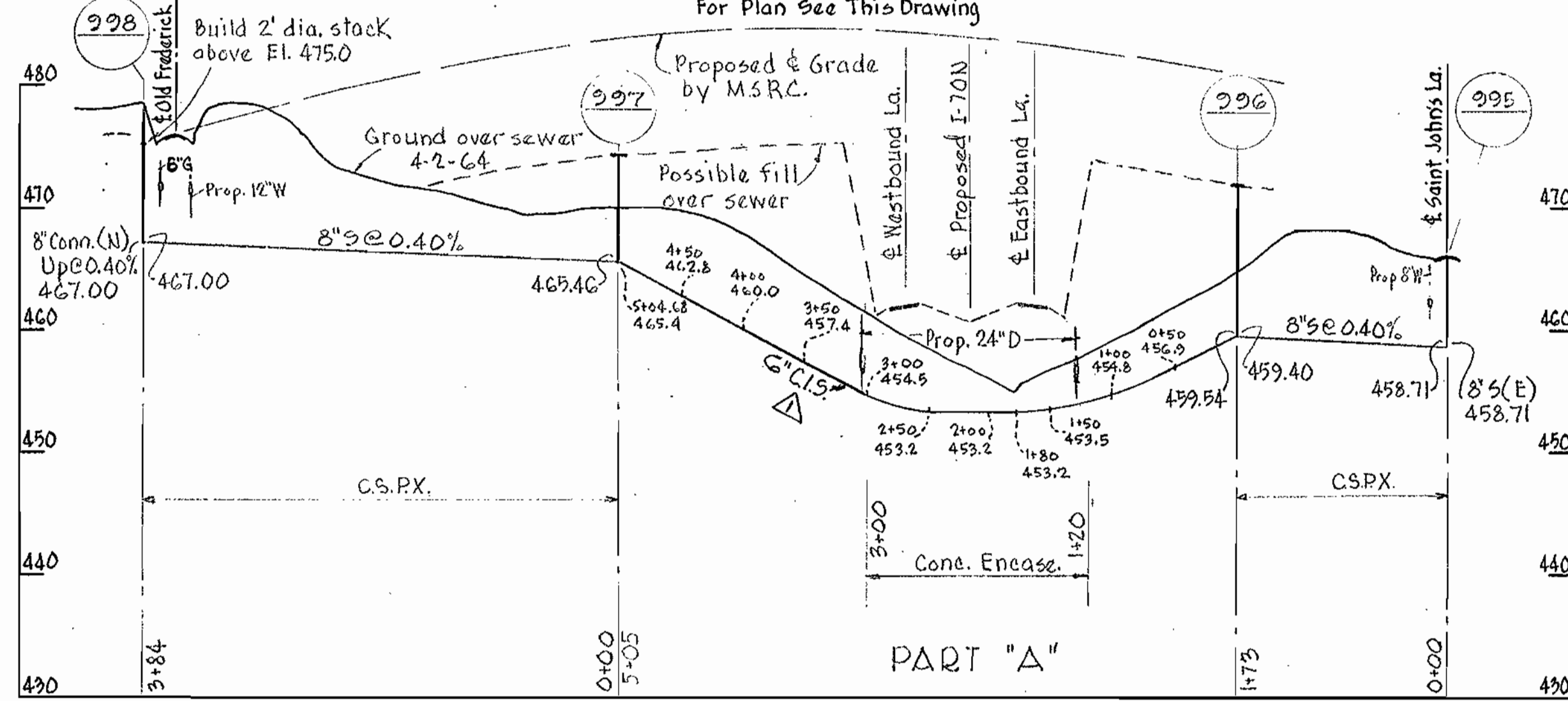
PLAN OF
SEWER MAINS

ELLCOTT CITY SUB-DISTRICT

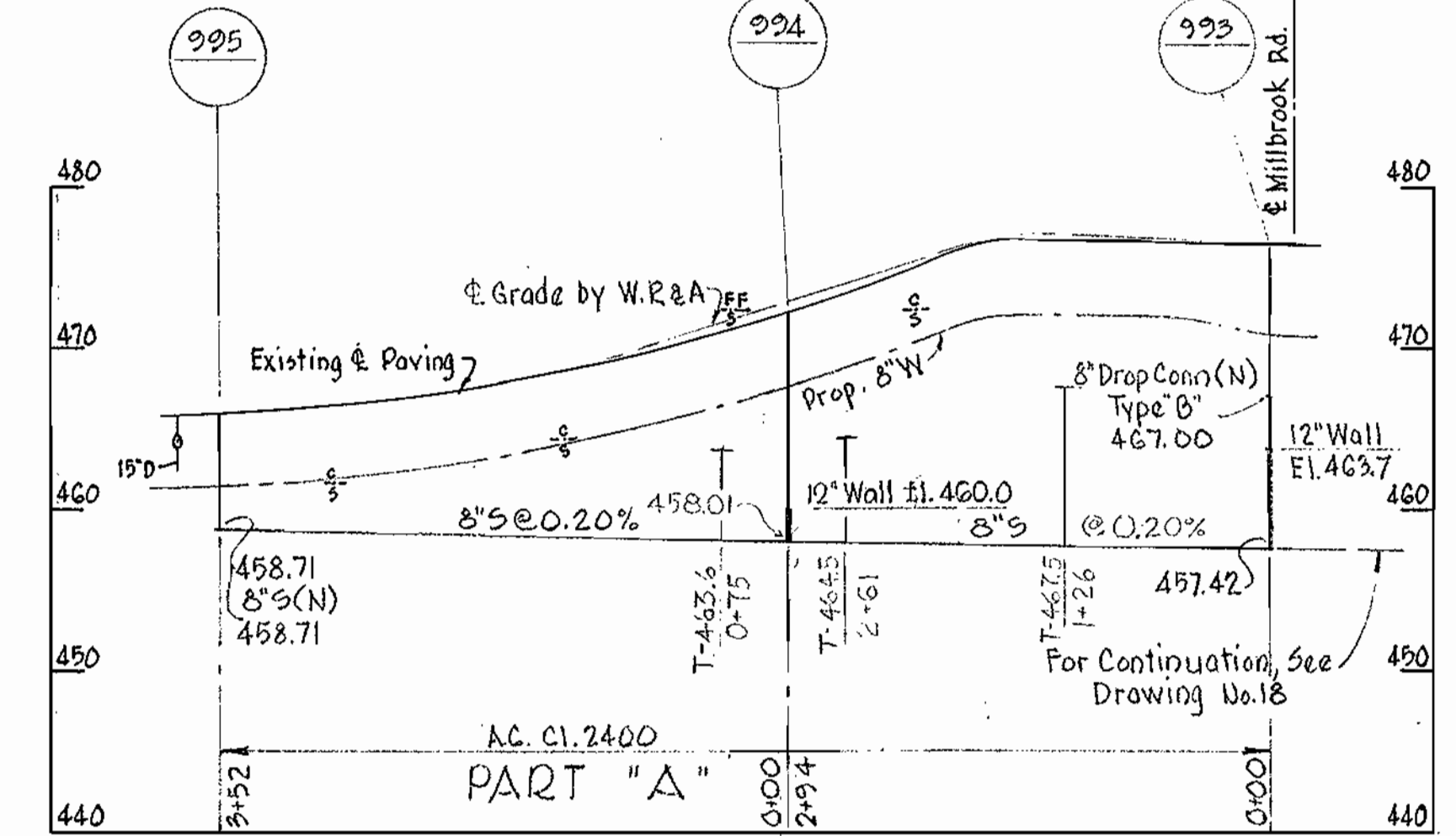
DRAWING NO. 11 OF 19
SCALE 1"=50'

WS 32S/12

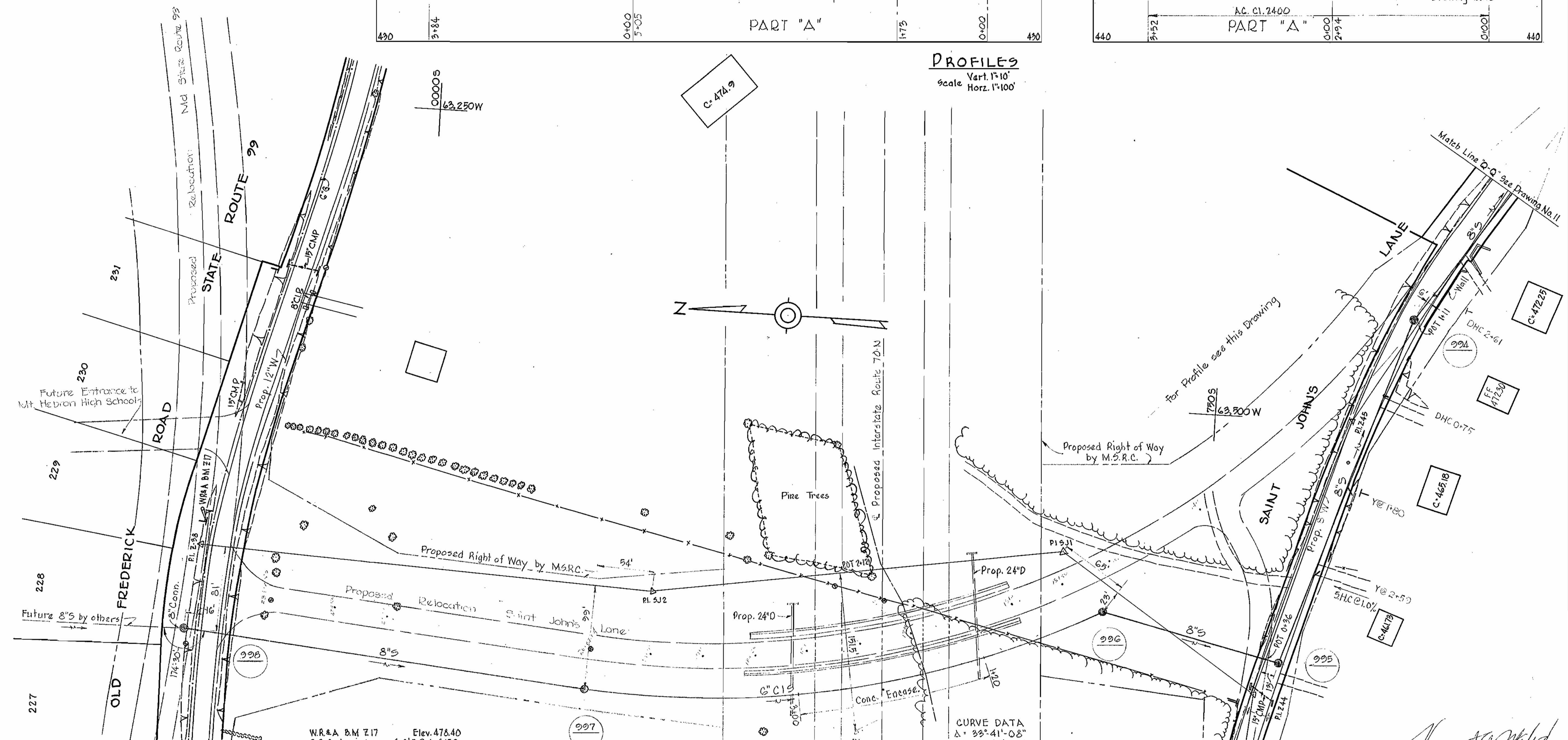
RELOCATION SAINT JOHN'S LANE
For Plan See This Drawing



SAINT JOHN'S LANE
For Plan See Drawing No.



PROFILES
Vert. 1"=10'
Scale Horiz. 1"=100'



PLAN
Scale 1"=50'

W.R.A. B.M. 717 Elev. 478.40
R.A. spike in base of C&P Pole #152
4' Right of Sta. 4+80 between P.I.'s
2+97 and 2+98.

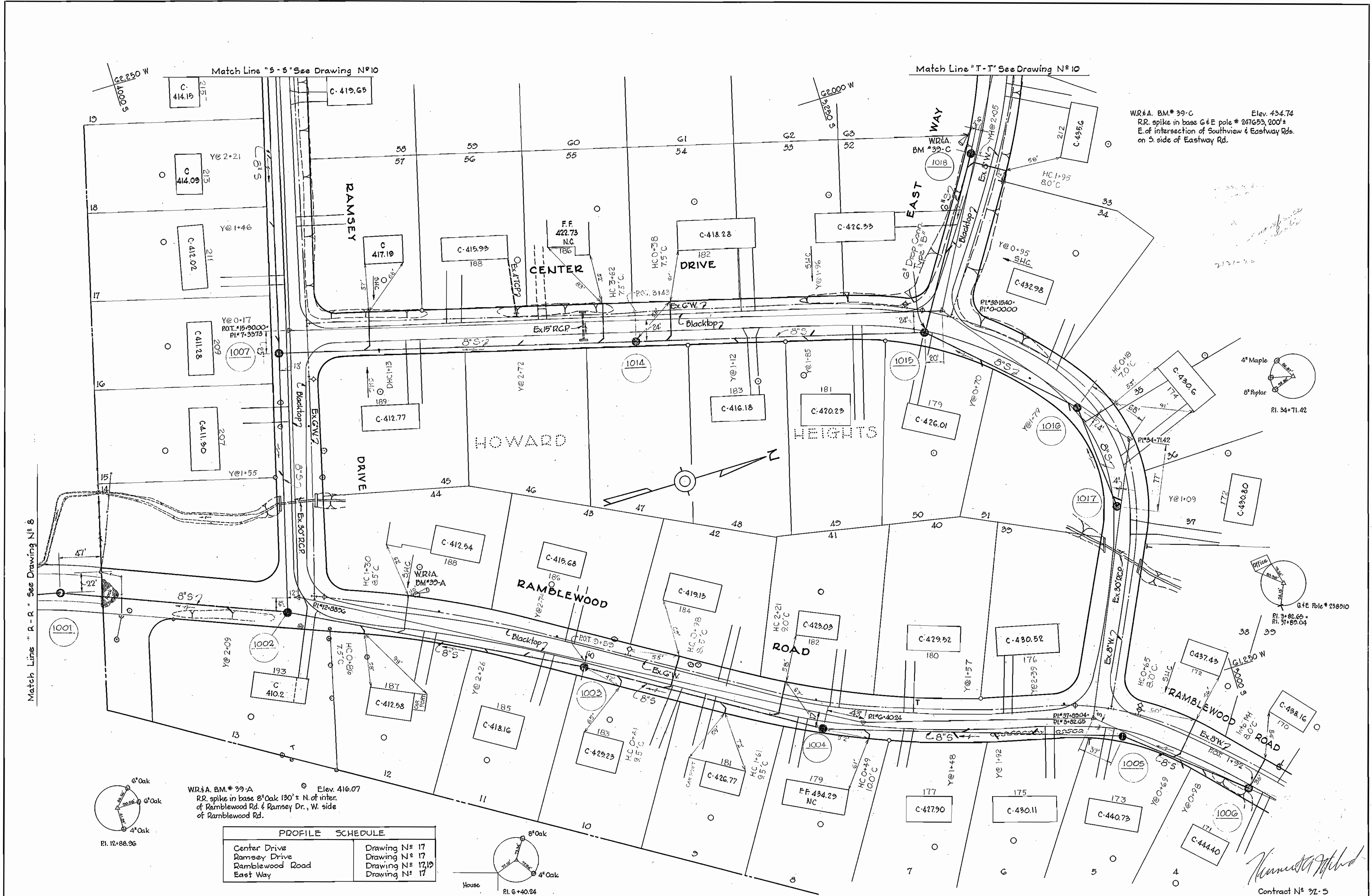
CURVE DATA
Δ = 33° 41' 08"
D = 6° 40' 29"
R = 858.41'
T = 200.00'
L = 504.68'

N:	Date	Revision
1	1-29-65	6" C.I.S. revised.

Thomas G. Miller
Contract No. 32-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 12-24-64 <i>W.O. Lubert</i> DATE CHIEF ENGINEER	CONTRACT NO. 32-S	PLAN AND PROFILE OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 12	SCALE 1"=50'
					OF 19	INW43, 15W43 FB 3052, 3158

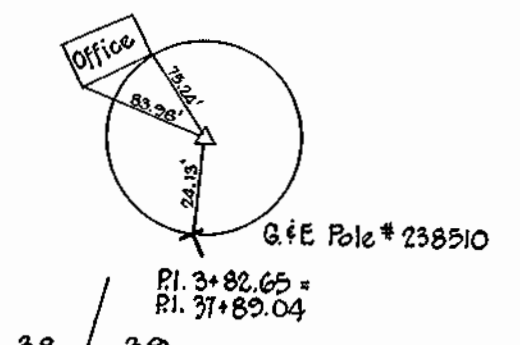
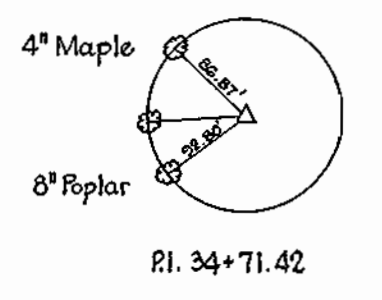
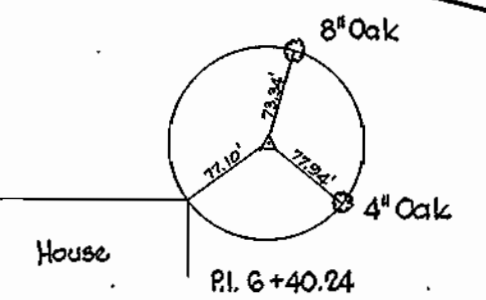
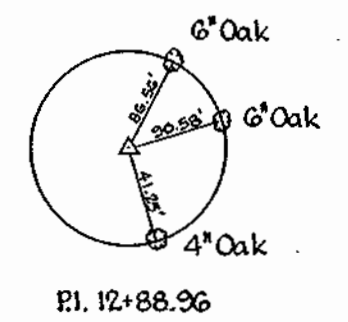
WS 325/13



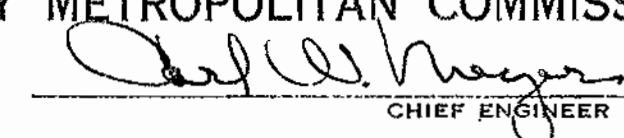
WR&A. BM* 39-C Elev. 434.74
 R.R. spike in base G&E pole # 247653, 200' ±
 E. of intersection of Southview & Eastway Rds.
 on S. side of Eastway Rd.

WR&A. BM* 39-A Elev. 416.07
 R.R. spike in base 8" Oak 130' ± N. of inter.
 of Ramblewood Rd. & Ramsey Dr., W. side
 of Ramblewood Rd.

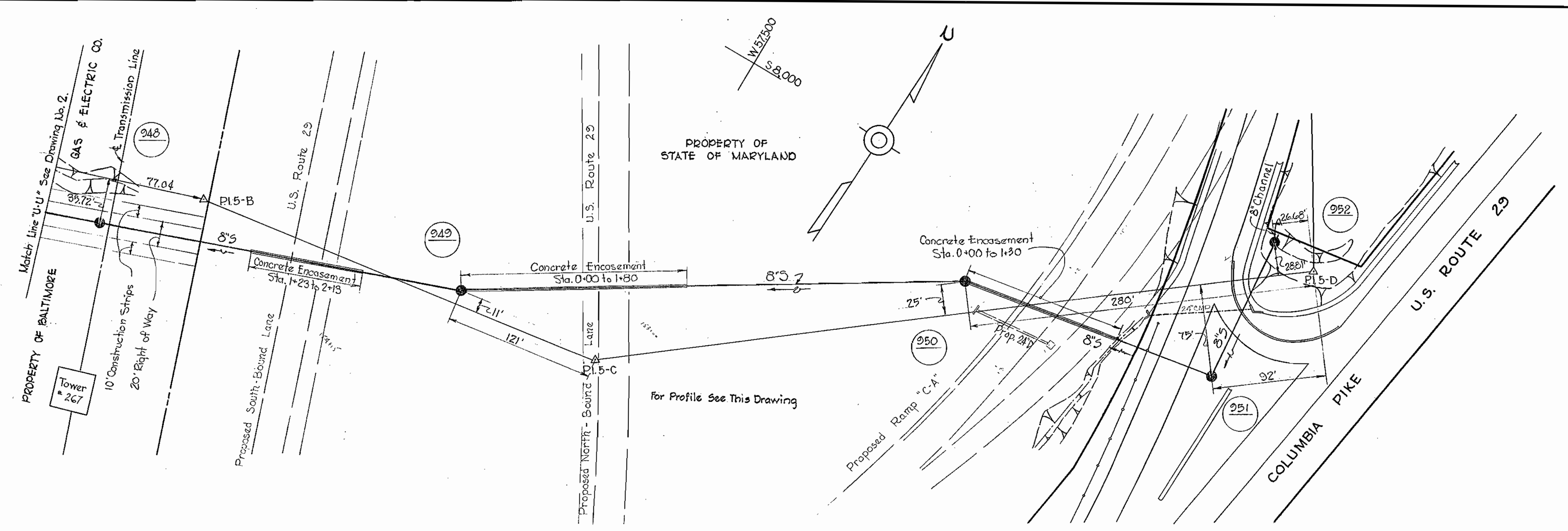
PROFILE SCHEDULE	
Center Drive	Drawing N ^o 17
Ramsey Drive	Drawing N ^o 17
Ramblewood Road	Drawing N ^o 17, 19
East Way	Drawing N ^o 17



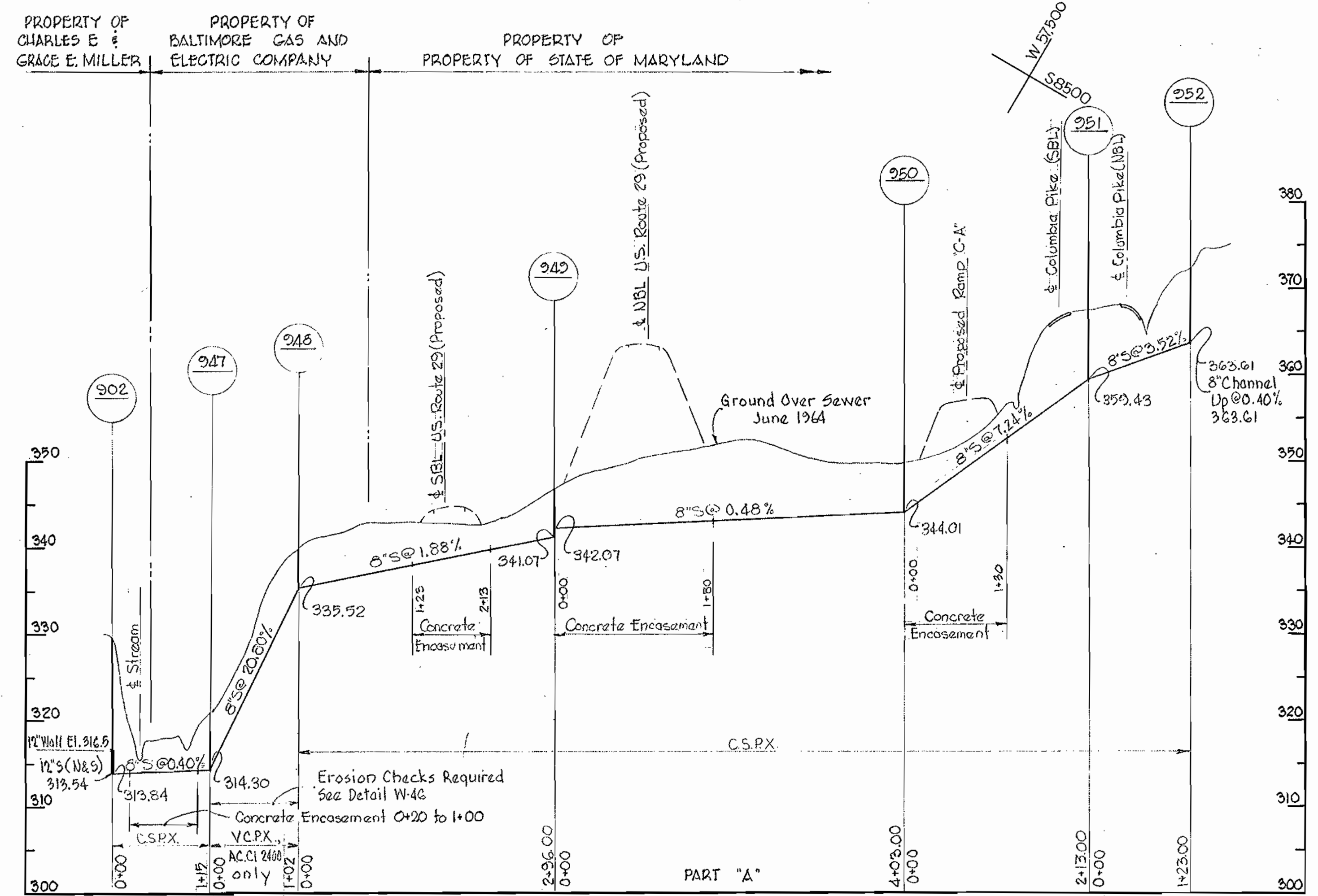
Contract N^o 72-5

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 16, 1963 DATE  CHIEF ENGINEER	CONTRACT NO. 32-S	PLAN OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 13 OF 19	SCALE 1" = 50' <small>5" SW4E, 4" SW4E 4.5" SW4E, 4" SW4E</small>
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WS 325/14



PLAN
Scale 1" = 50'



PROFILE
Scale: Vert. 1" = 10'
Horz. 1" = 100'

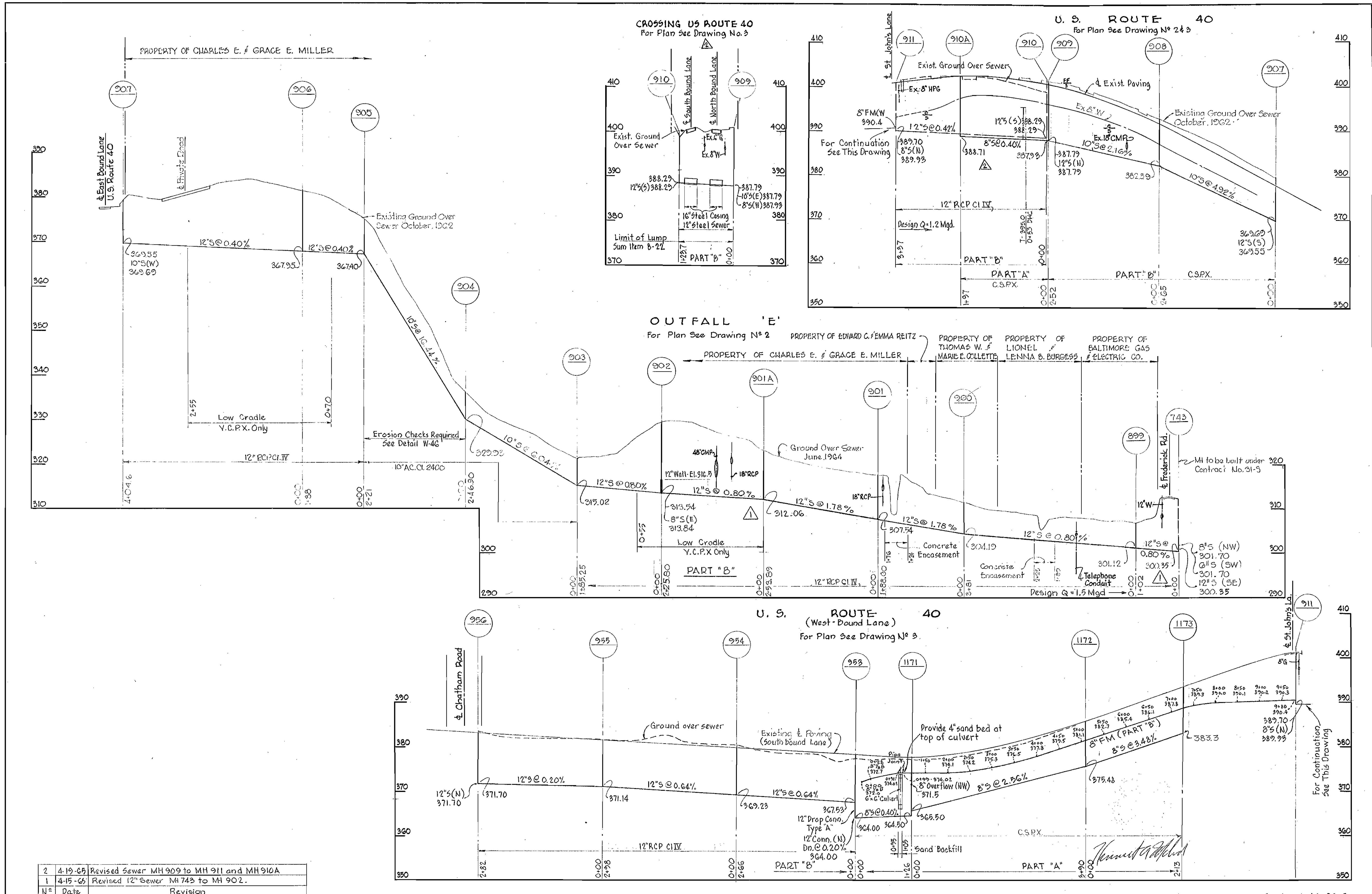
Robert A. Michel
Contract 32-5

<p>WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND</p>	<p>HOWARD COUNTY METROPOLITAN COMMISSION 12-29-64 DATE <i>W. O. Lohr</i> CHIEF ENGINEER</p>	<p>CONTRACT NO. 32-S</p>	<p>PLAN AND PROFILE OF SEWER MAINS</p>	<p>ELLICOTT CITY SUB - DISTRICT</p>	<p>DRAWING NO. 14 OF 19</p>	<p>SCALE AS SHOWN</p>
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W. O. 5010-2

AS BUILT 10 DEC. 65

WS 32 S/15

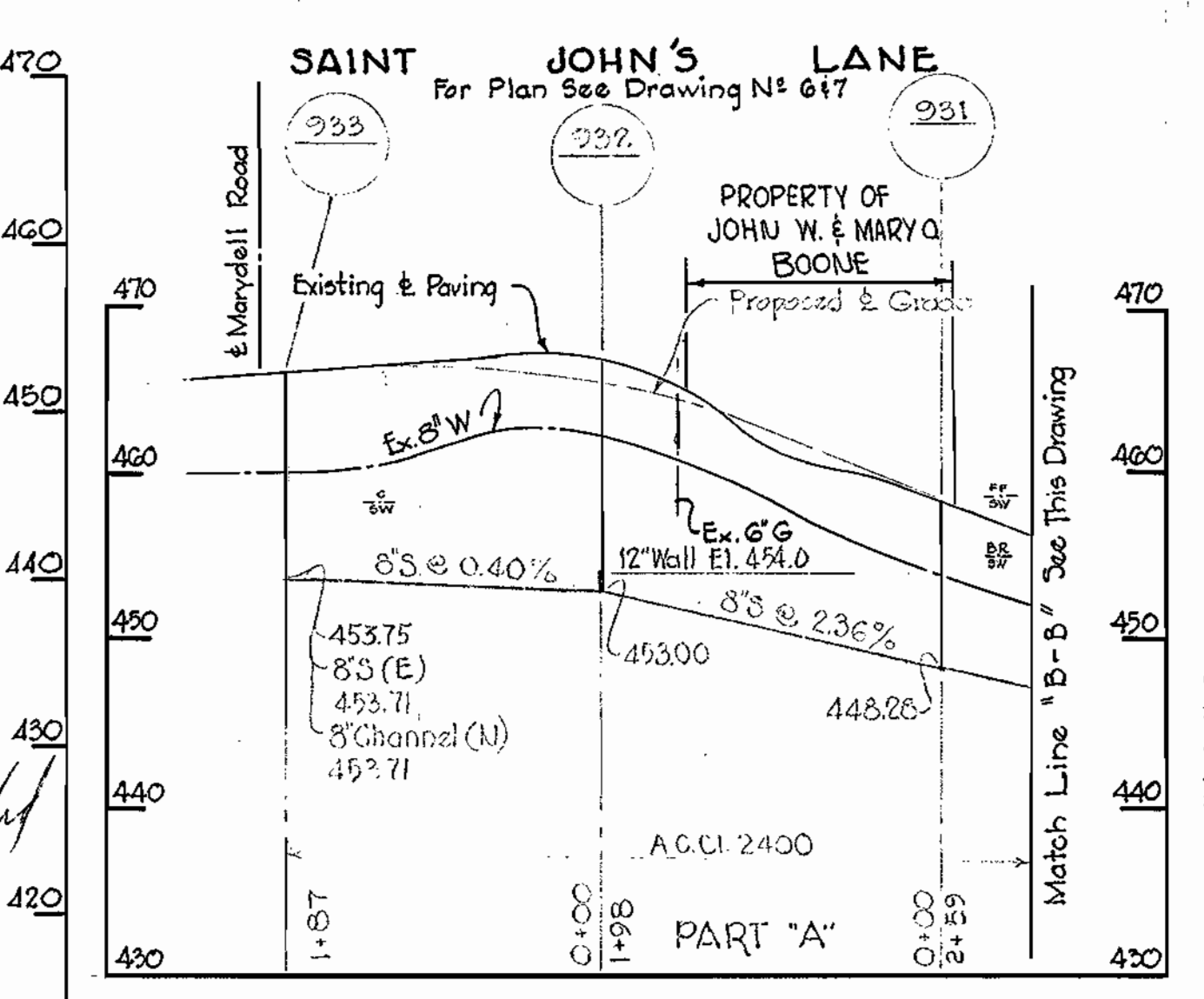
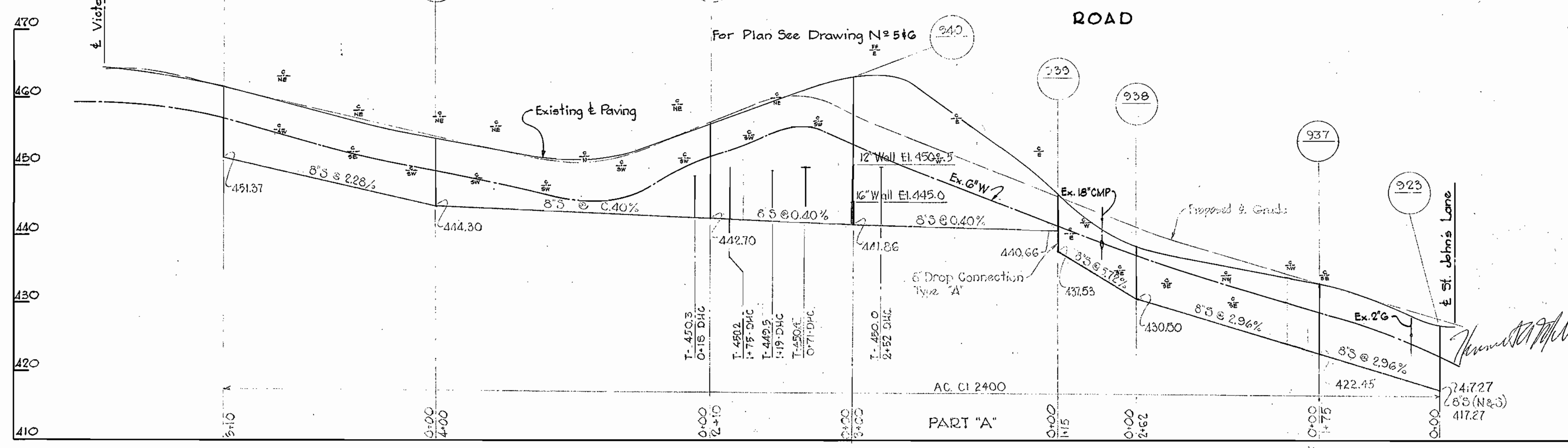
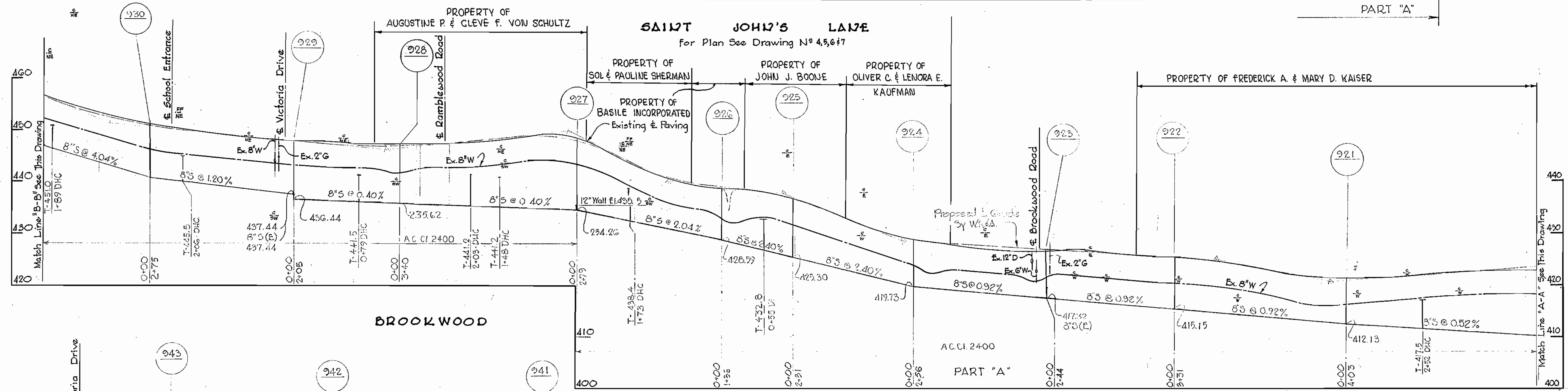
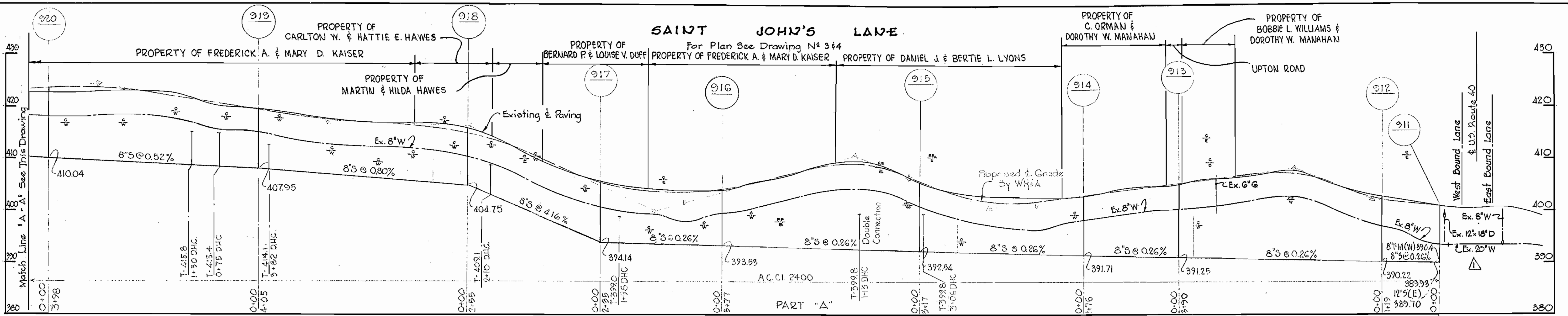


N ^o	Date	Revision
2	4-19-65	Revised Sewer MH 909 to MH 911 and MH 910A
1	4-15-65	Revised 12" Sewer MH 743 to MH 902.

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 16, 1963 DATE <i>Carl W. Reager</i> CHIEF ENGINEER	CONTRACT NO. 32-S	PROFILES OF SEWER MAINS	ELLCOTT CITY SUB-DISTRICT	CONTRACT NO. 32-S
					DRAWING NO. 15 OF 19

W. O. 5010-2

AS BUILT . 10 DEC. 65

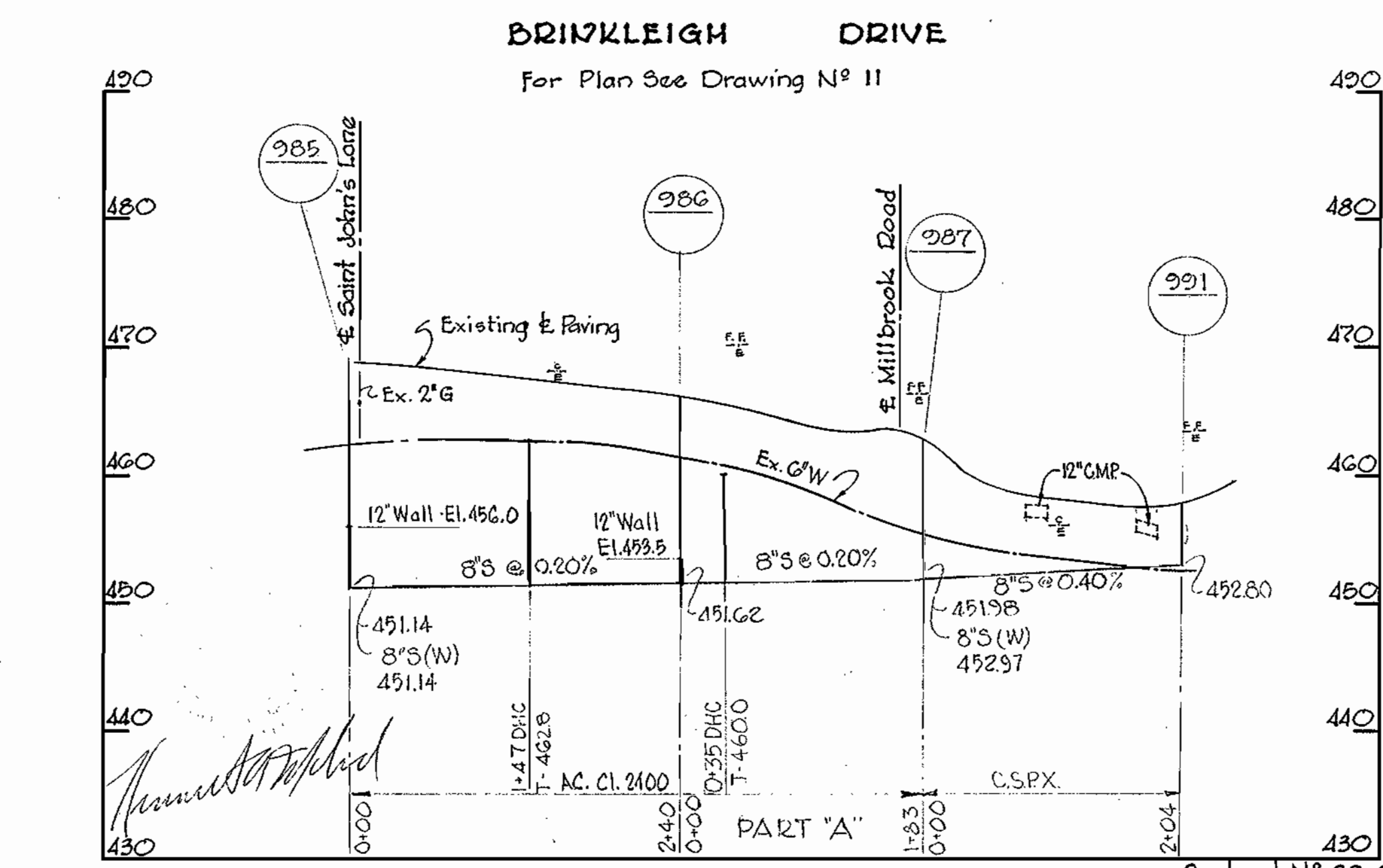
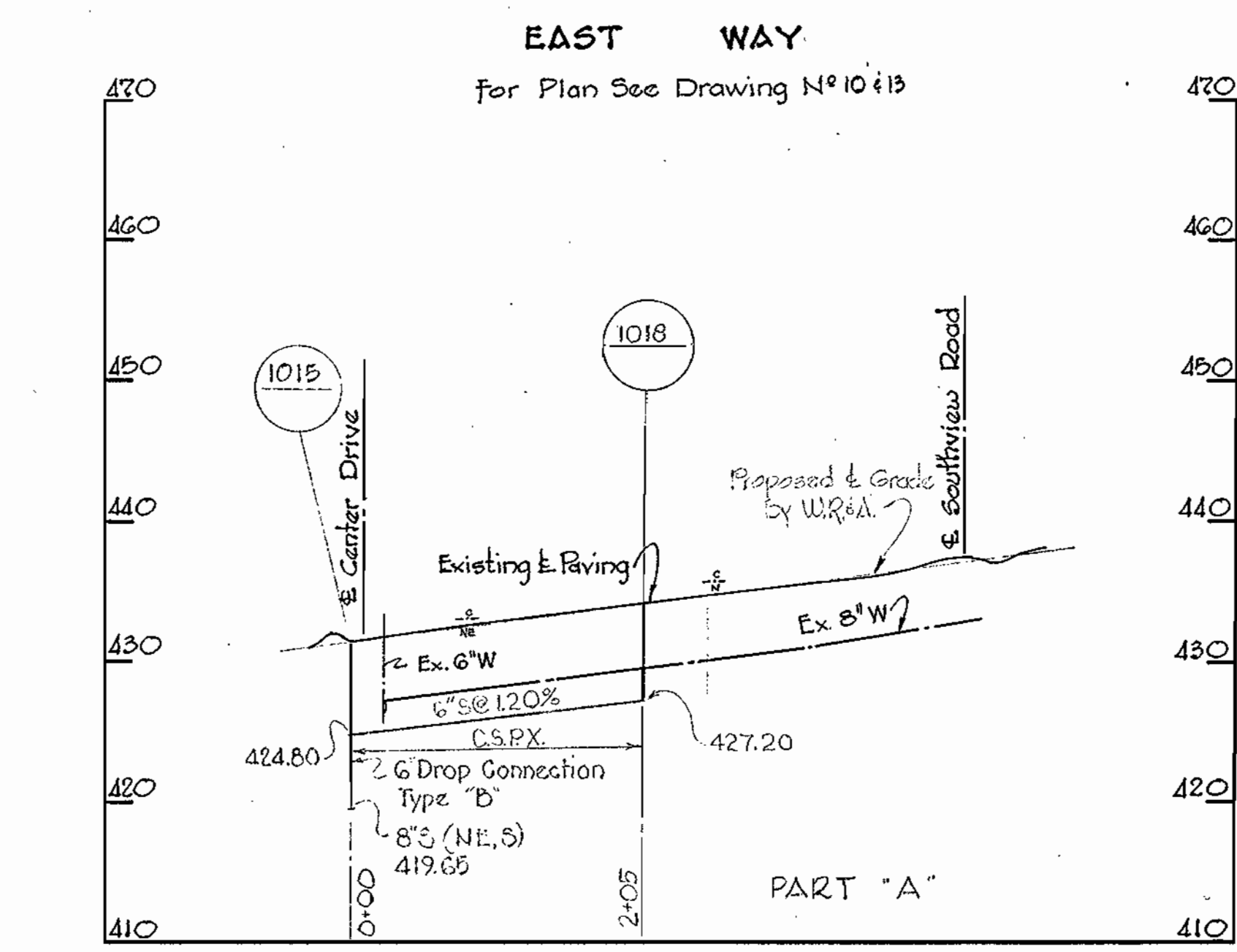
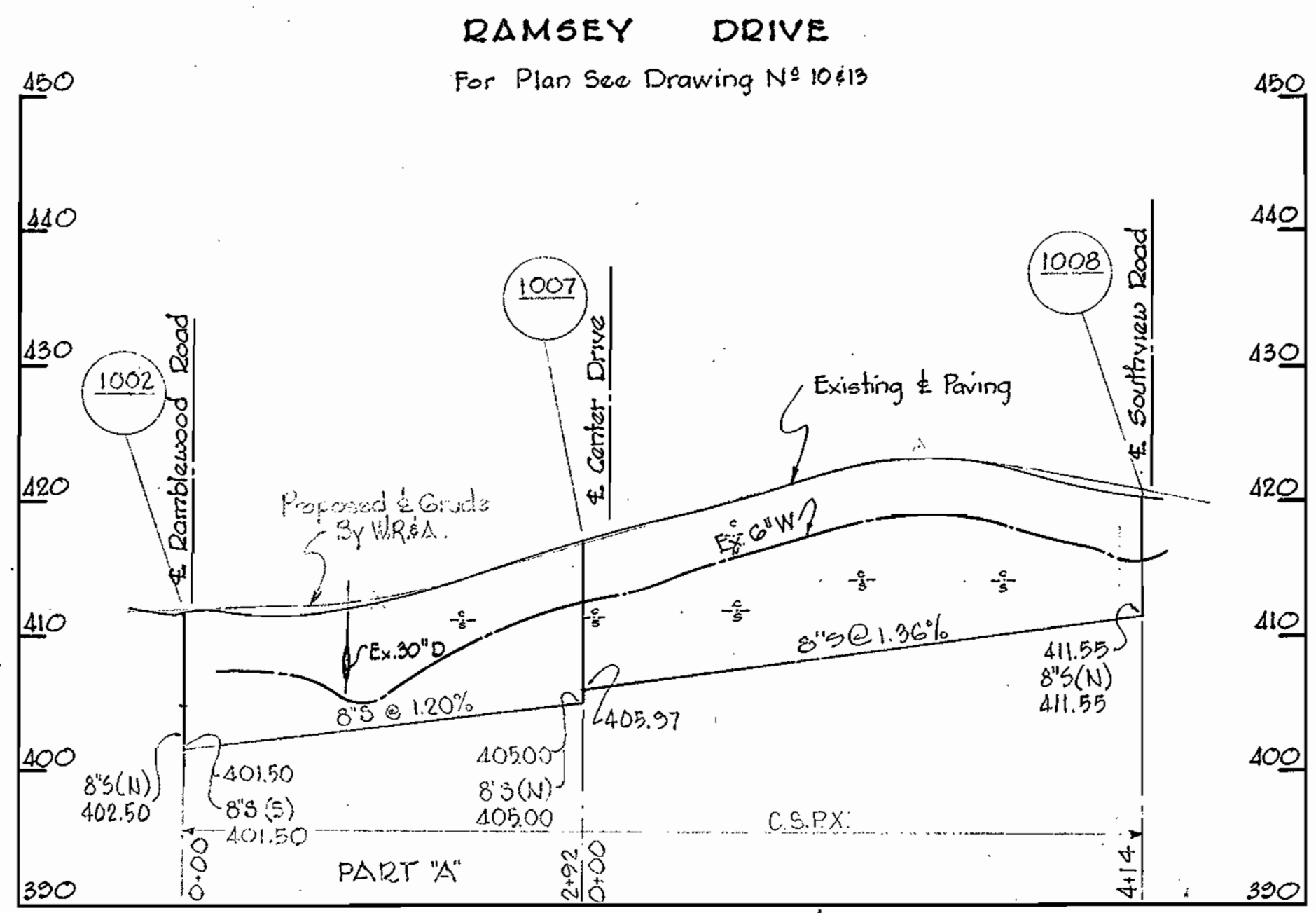
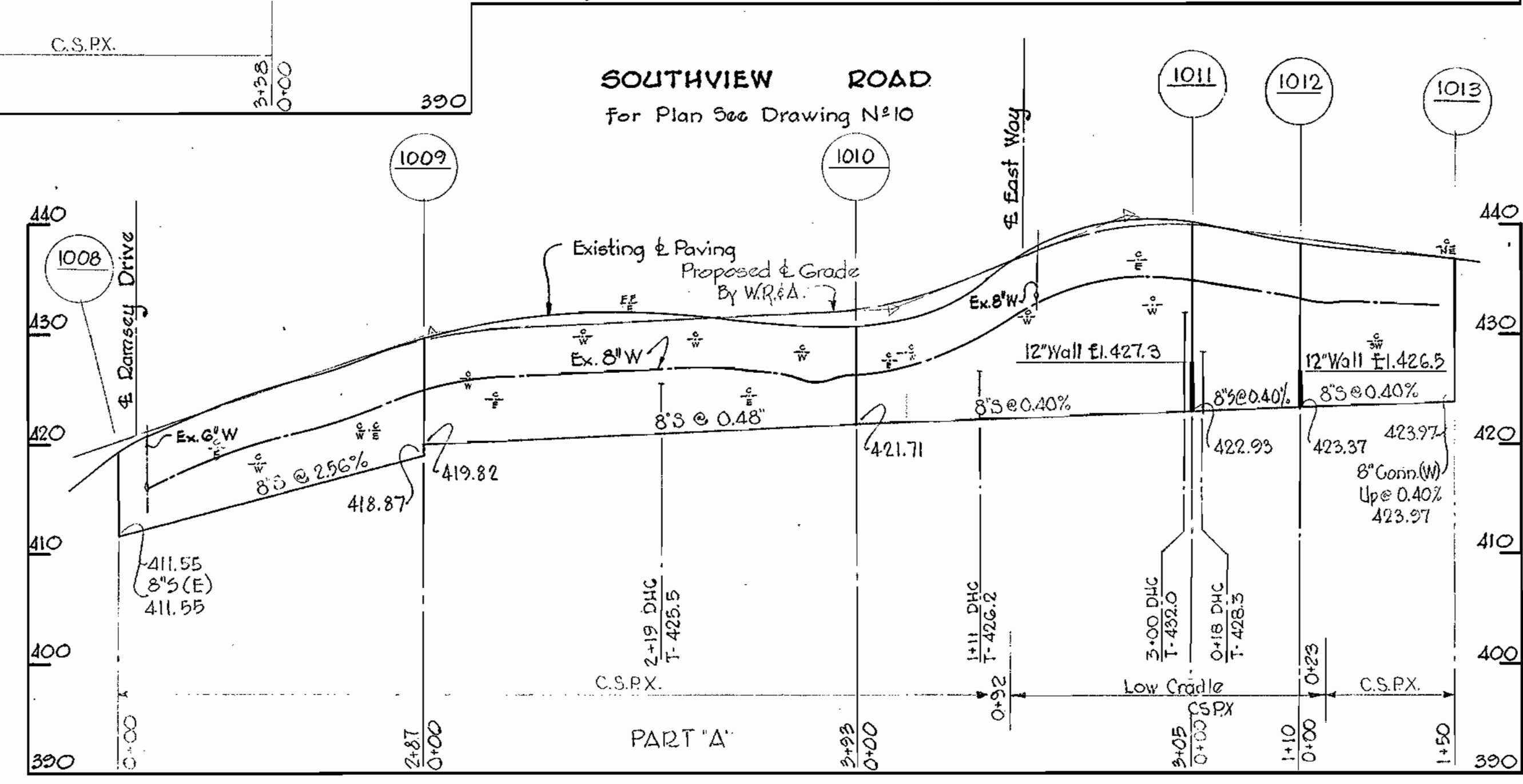
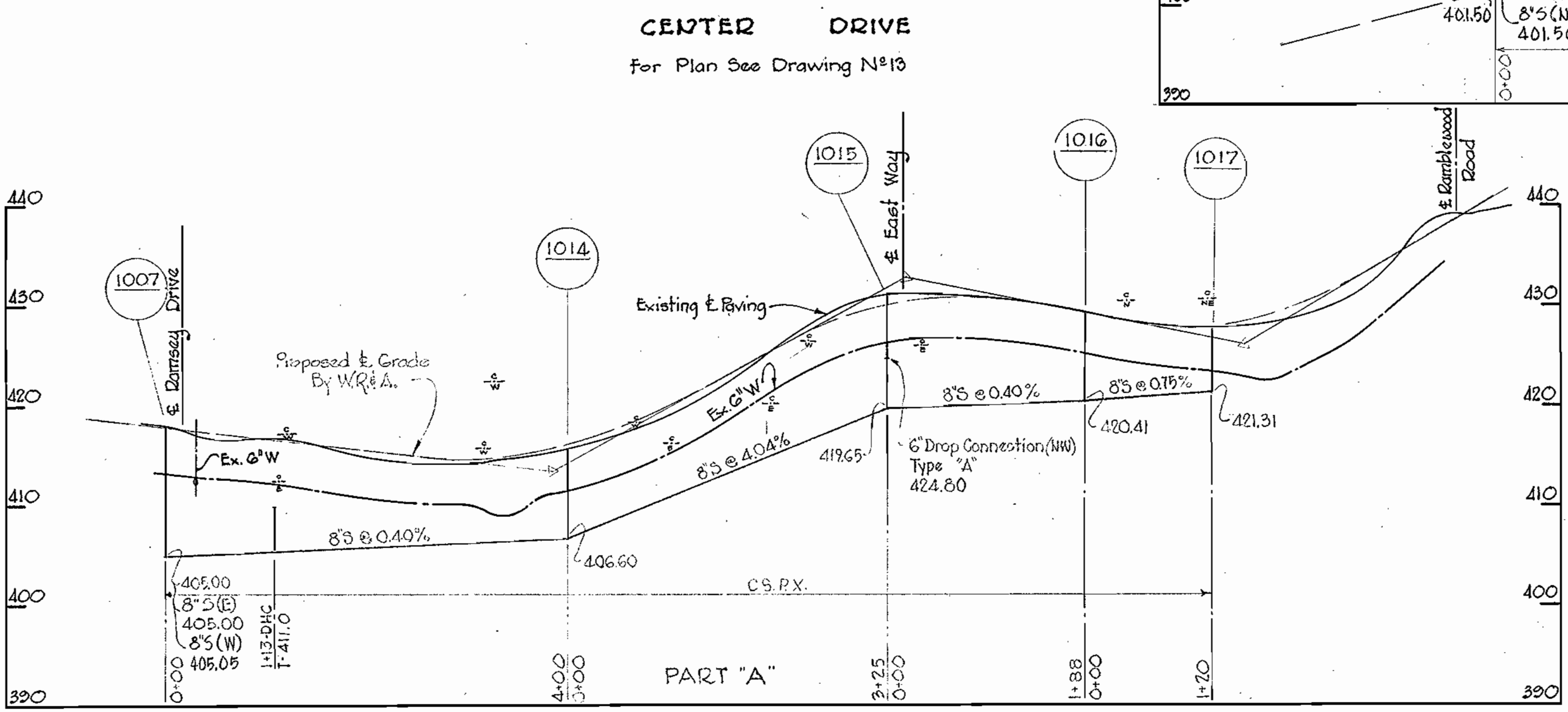
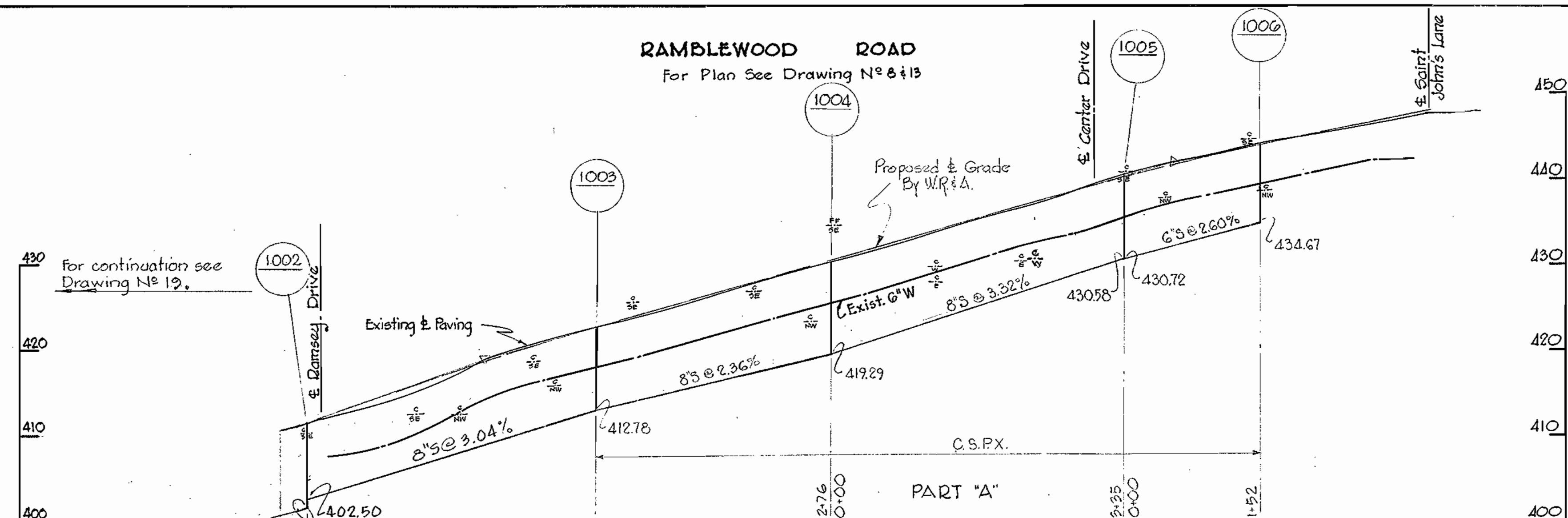
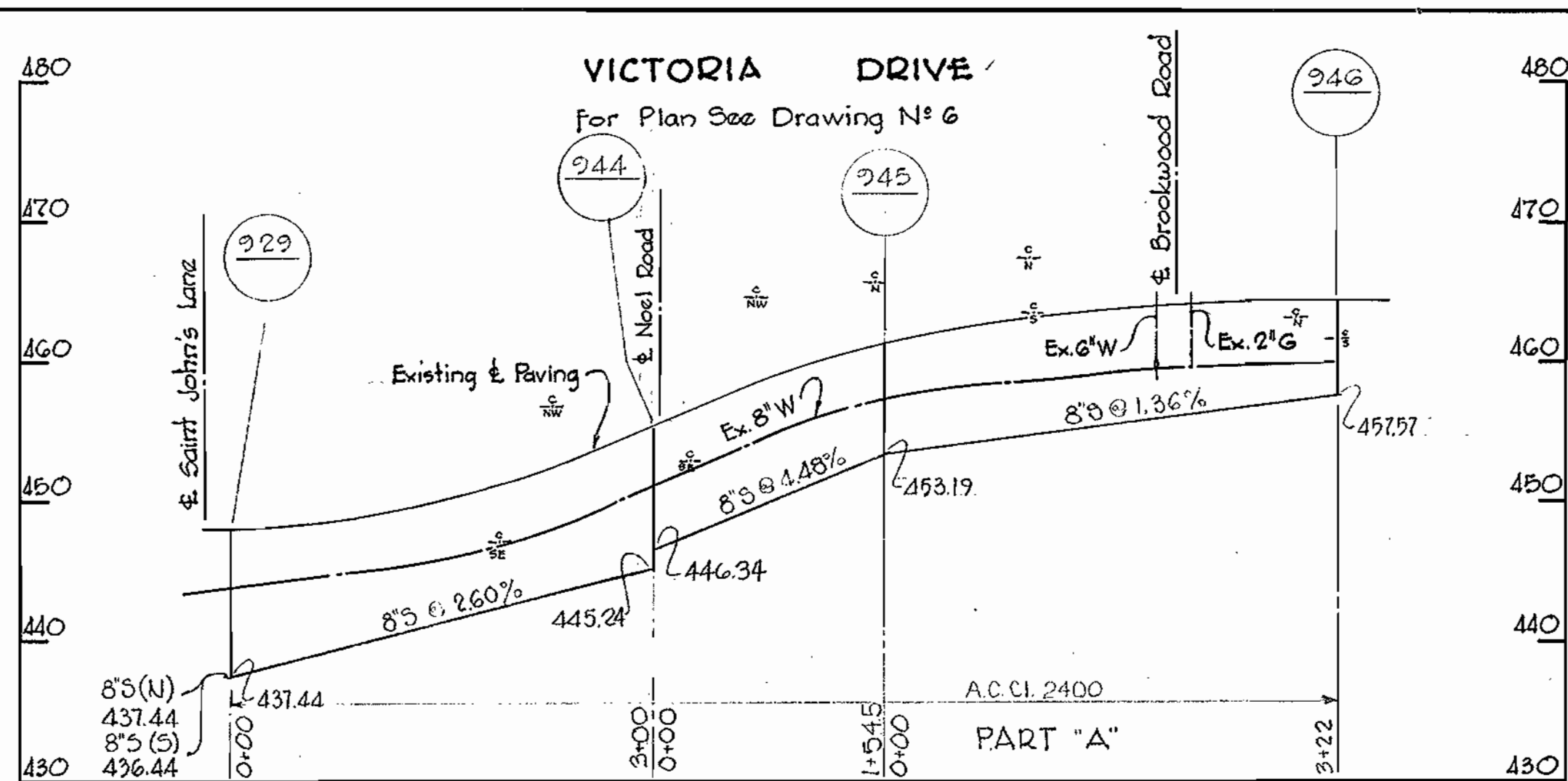


1	4-19-65	Revised Sewer Crossing US Route 40	Revision	Contract No. 32-S
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WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 16, 1963 DATE <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 32-S	PROFILES OF SEWER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 16 OF 19	SCALE H-1"=100' V-1"=10'
					AS BUILT, 10 DEC. 65	

W/S 325/16

MS 32 S/17



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

HOWARD COUNTY METROPOLITAN COMMISSION
Dec. 16, 1963
DATE
Chief Engineer

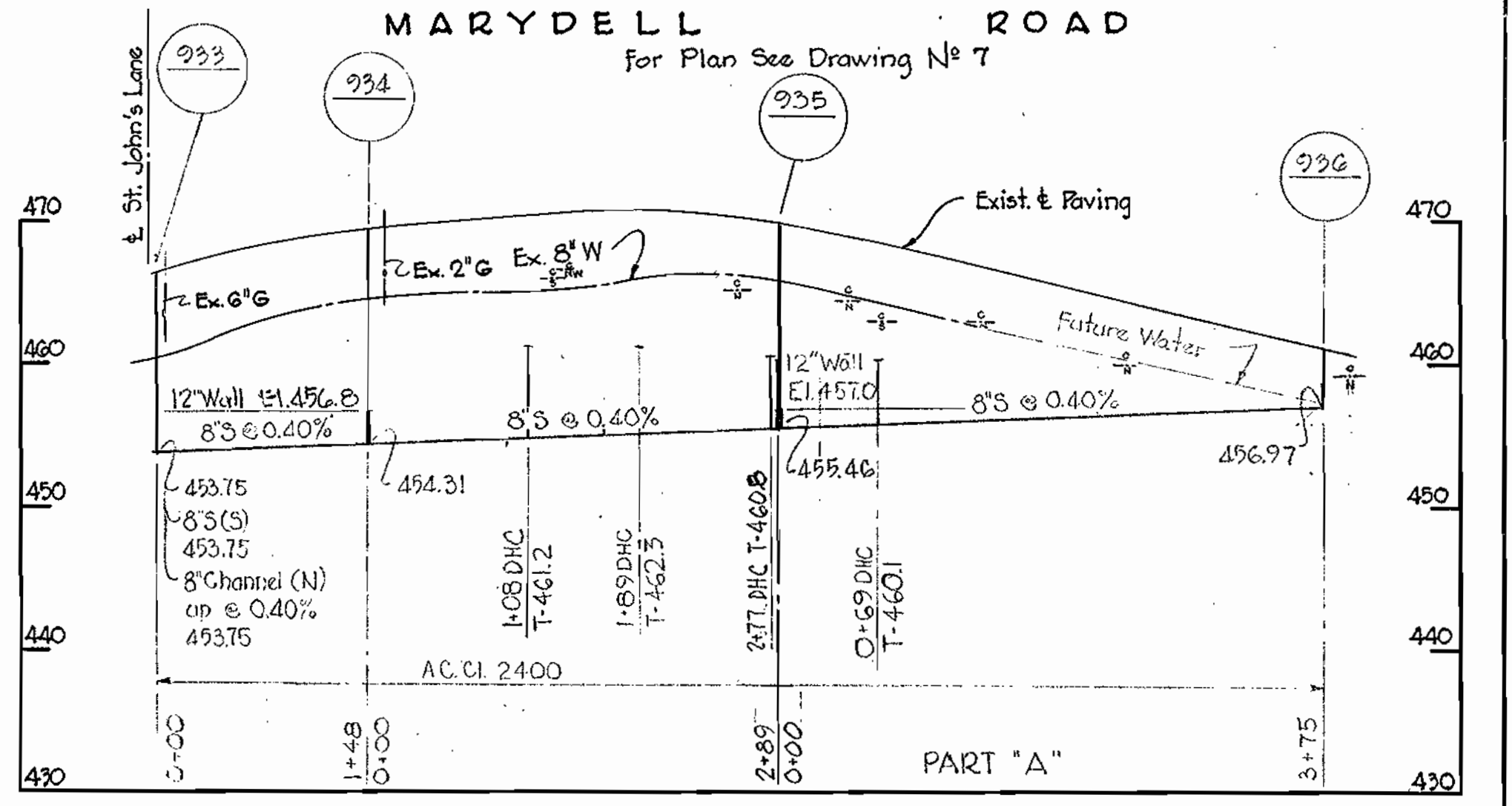
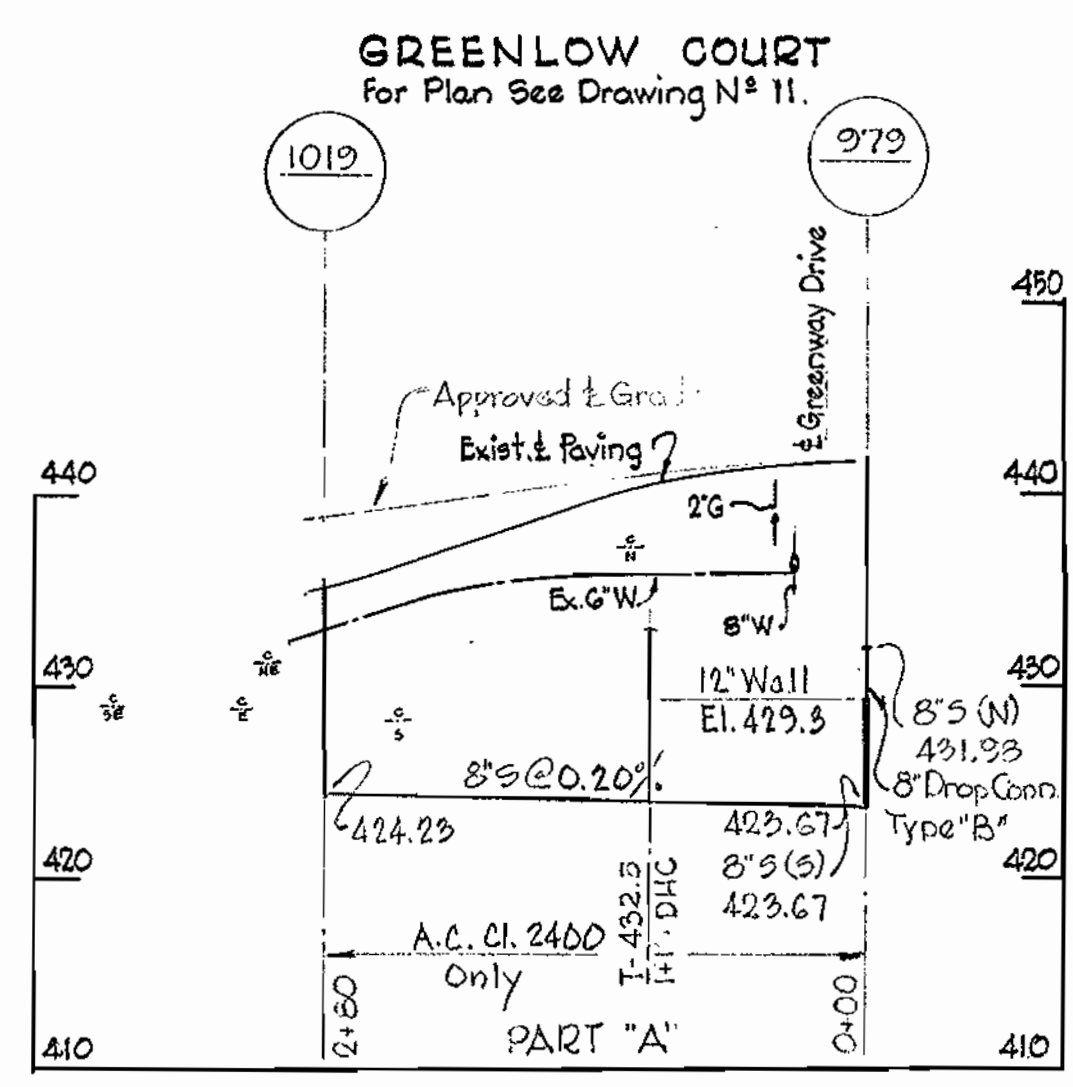
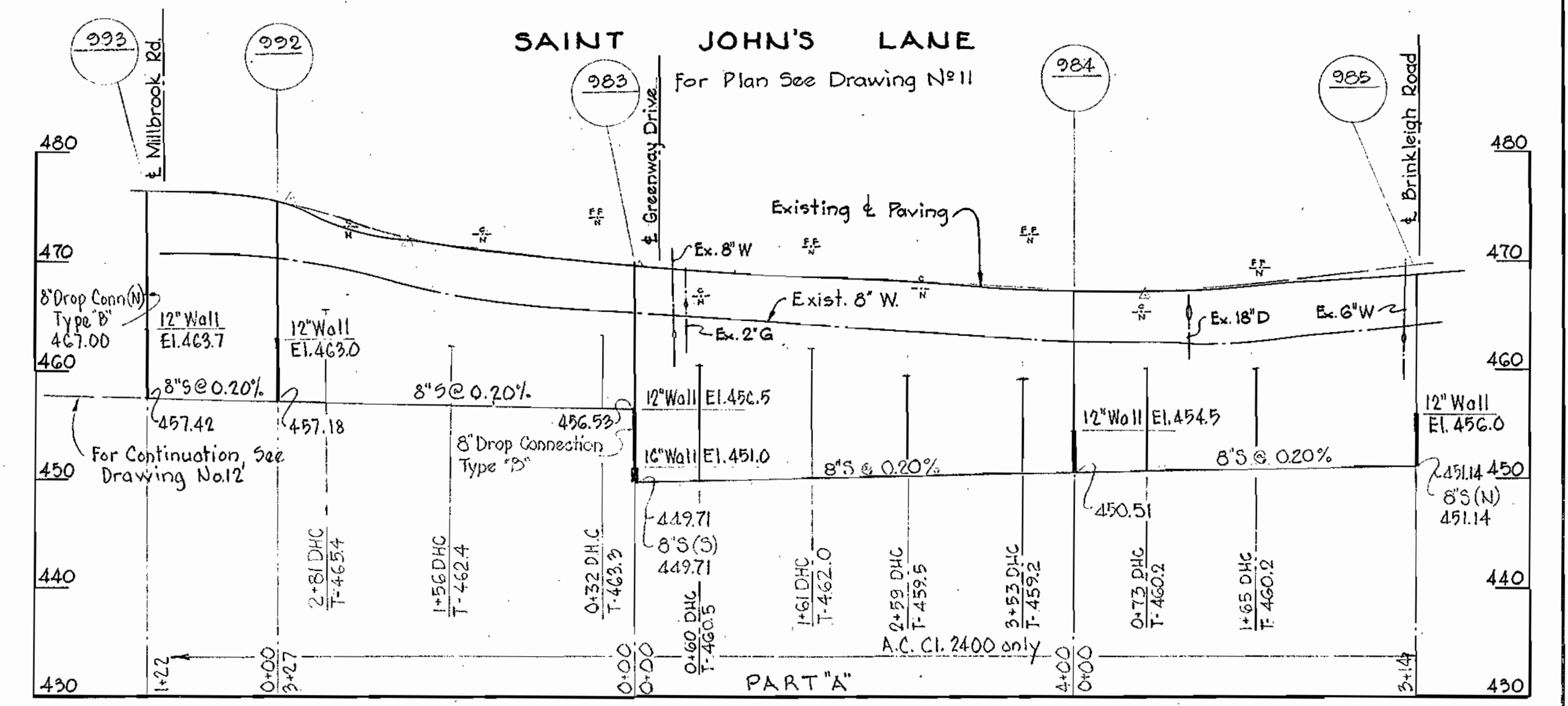
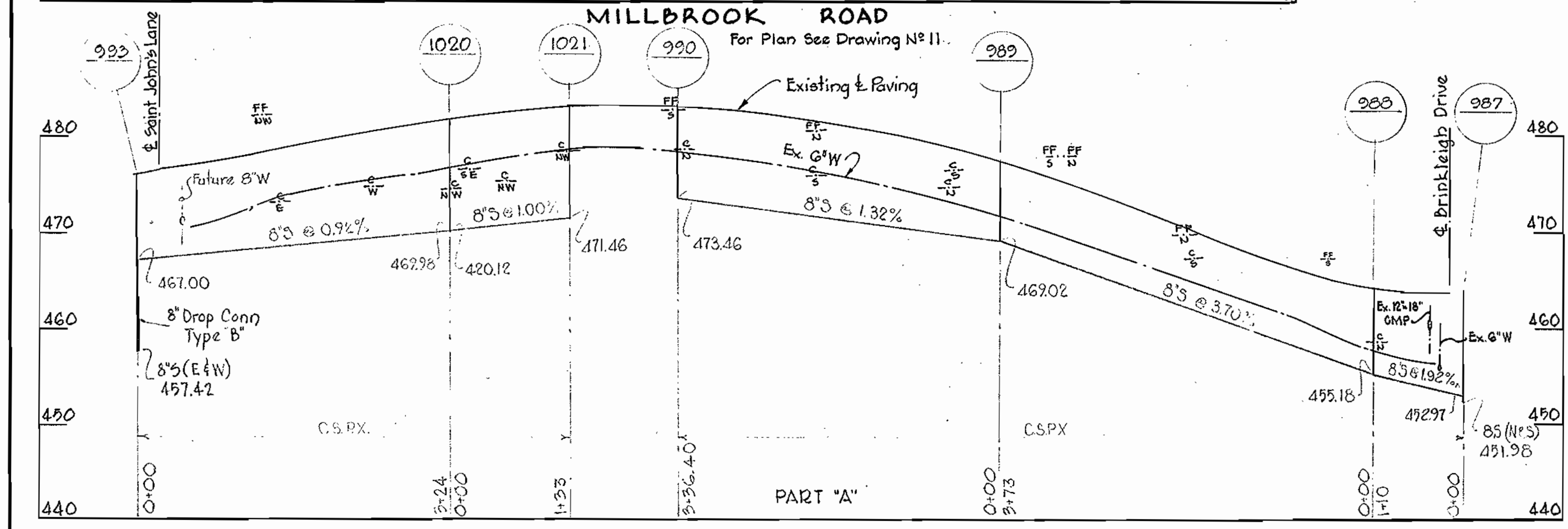
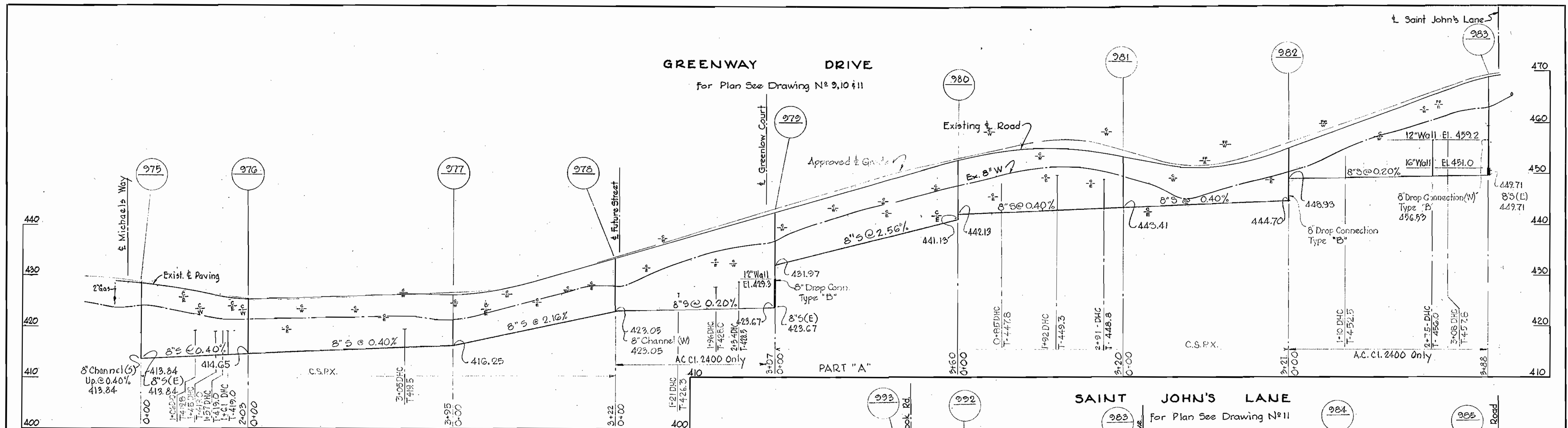
CONTRACT NO. 32-S

PROFILES OF
SEWER MAINS

ELLICOTT CITY SUB-DISTRICT

DRAWING NO. 17 OF 19
SCALE H-1"=100' V-1"=10'

WS 325/18



Handwritten signature

1	1-29-65	Manhole 935 relocated.
N°	Date	Revision

Contract N° 32-S

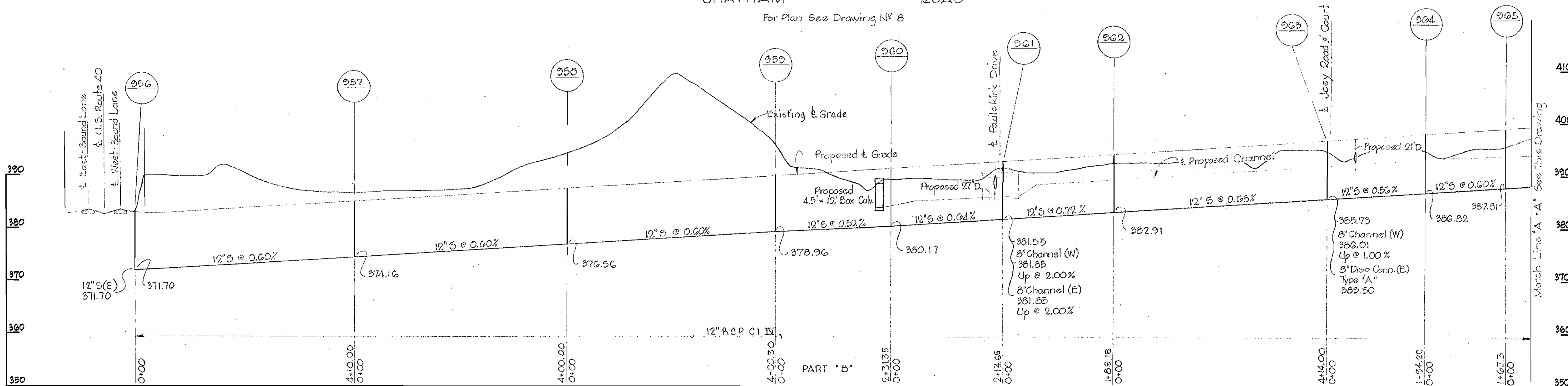
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE: Dec. 16, 1963 <i>Handwritten signature</i> CHIEF ENGINEER	CONTRACT NO. 32-S	PROFILES OF SEWER MAINS	ELLIOTT CITY SUB-DISTRICT	DRAWING NO. 18	SCALE H-1"=100'
					OF 19	V-1"=10'

W. O. 5010-2

AS BUILT, 10 DEC. 65

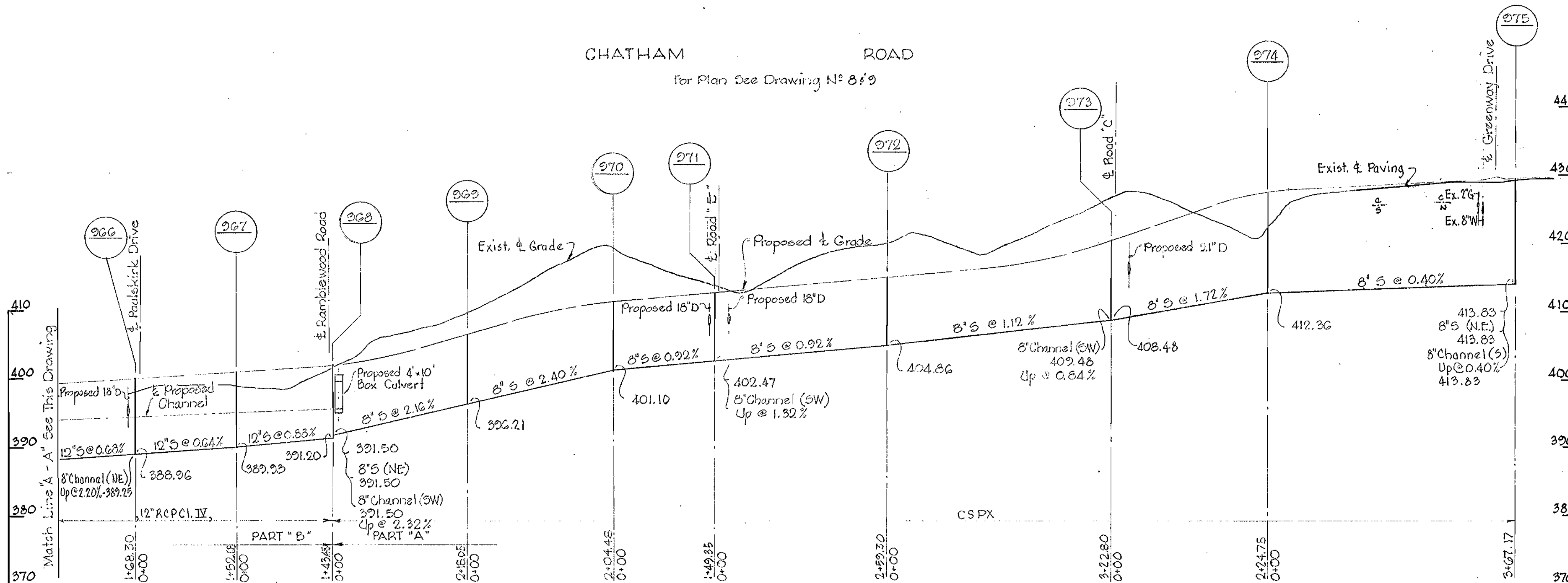
CHATHAM ROAD

For Plan See Drawing N^o 8



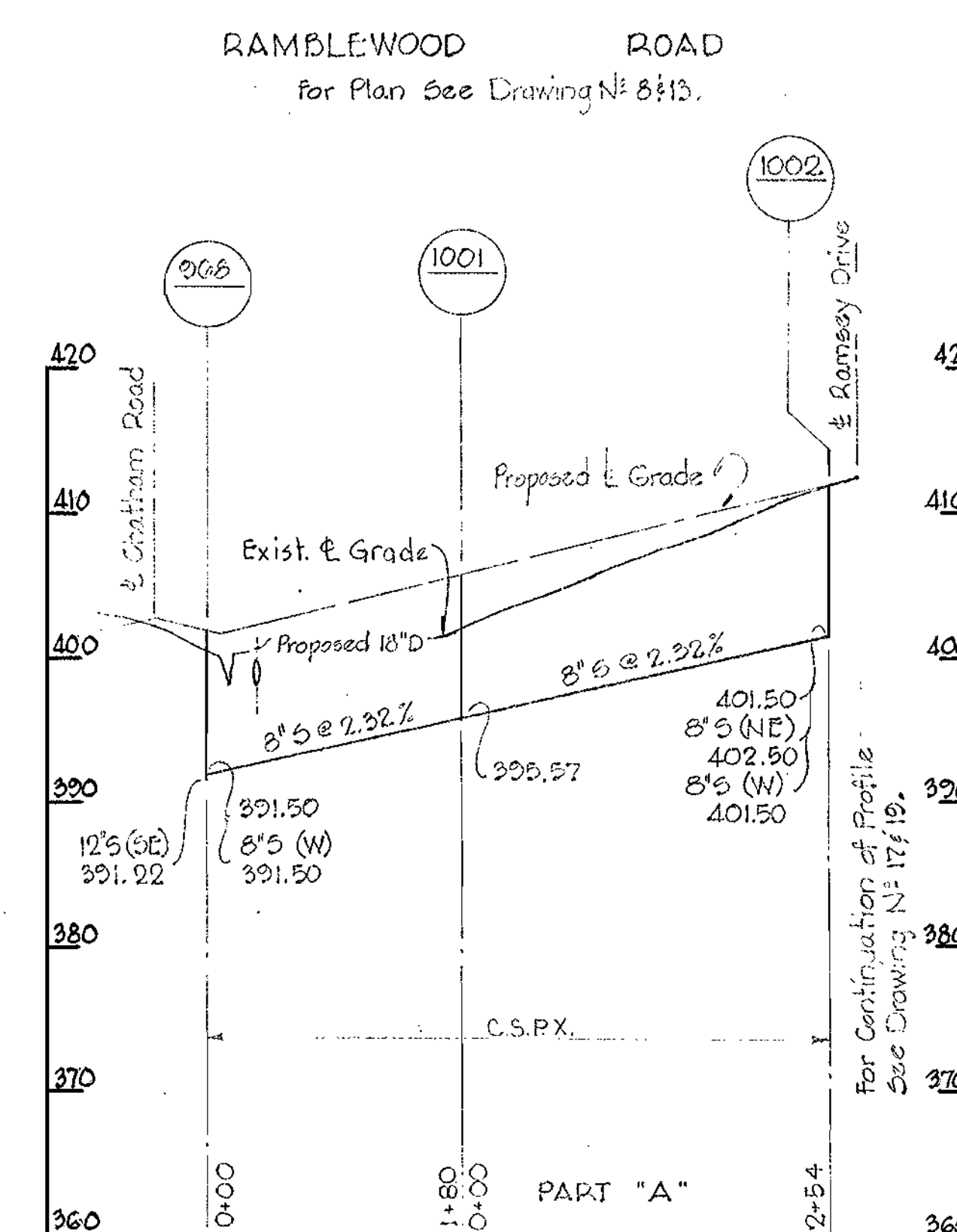
CHATHAM ROAD

For Plan See Drawing N^o 8 1/2



RAMBLEWOOD ROAD

For Plan See Drawing N^o 8 1/2



Note:
Existing & Grades shown on this drawing based on ground from street grades by Purdum and Jeschke Engineers.

Note:
Sewer mains shown on this drawing not to be built until streets are brought to sub-grade by others.

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Contract 32-S

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

HOWARD COUNTY METROPOLITAN COMMISSION
Dec 16, 1963
DATE
Handwritten signature
CHIEF ENGINEER

CONTRACT NO. 32-S

PROFILES OF SEWER MAINS

ELLCOTT CITY SUB-DISTRICT

DRAWING NO. 19 OF 19

SCALE H: 1"=100' V: 1"=10'

WS 32 5/19