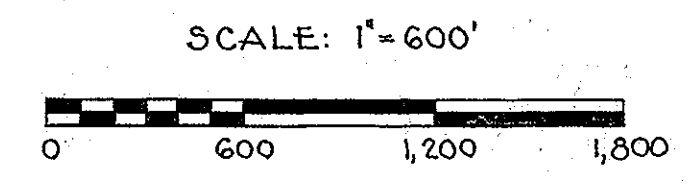


# CONTRACT 11 W WATER MAIN EXTENSIONS

## HOWARD COUNTY METROPOLITAN COMMISSION ELLICOTT CITY SUB-DISTRICT



RJ	NOTED - 8" WATERLINE FROM STA 115+70 TO 117+00
BY	NO. 111+85 RELOCATED
	REVISION
	DATE

AS BUILT

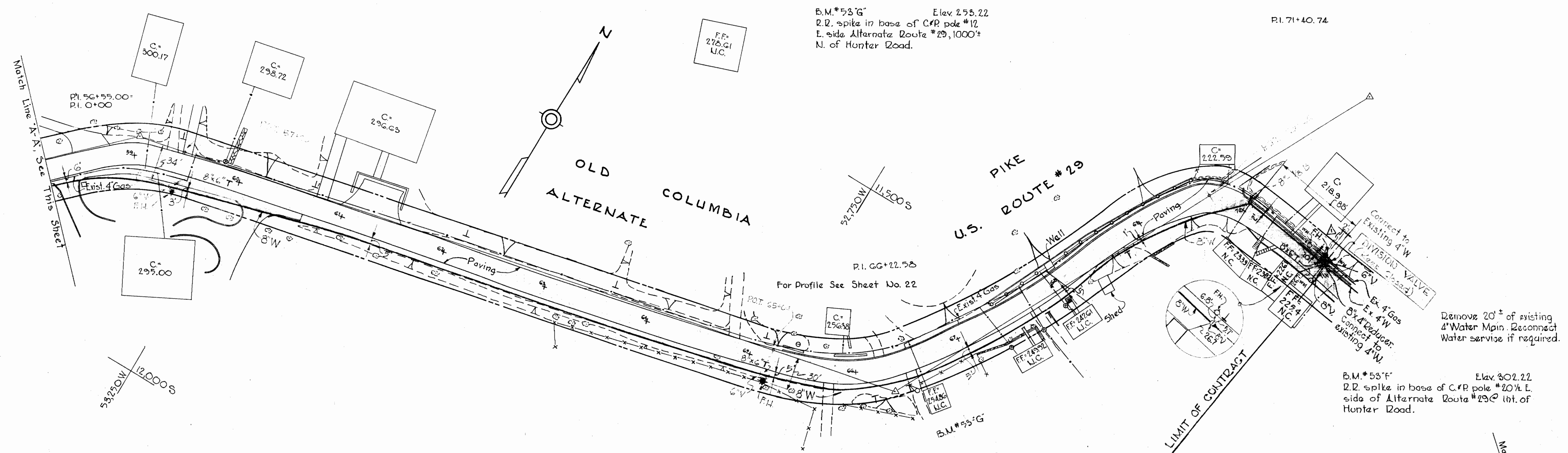
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 DATE	CONTRACT NO. 11 W	GENERAL PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 1 OF 34	SCALE AS SHOWN
---	---	-------------------	--	----------------------------	---------------------	----------------

1/11/59



B.M.\*53'G' Elev 253.22  
 R.R. spike in base of C&P pole #12  
 E. side Alternate Route #29, 1000'  
 N. of Hunter Road.

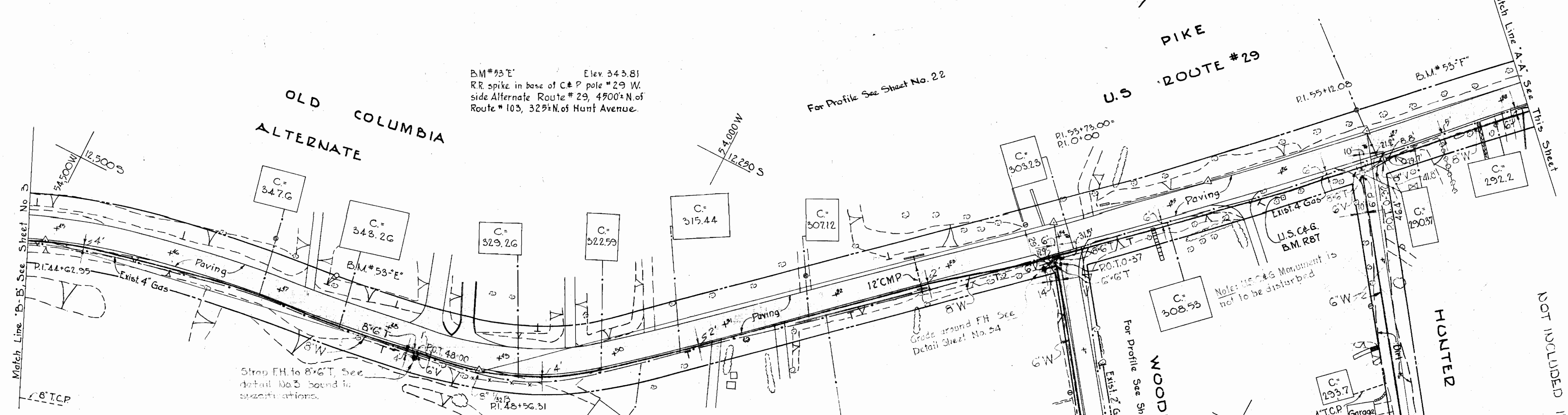
PL 71+40.74



Remove 20' of existing 4" Water Main. Reconnect Water service if required.

B.M.\*53'F' Elev 302.22  
 R.R. spike in base of C&P pole #20 1/2 E. side of Alternate Route #29 @ Int. of Hunter Road.

B.M.\*93'E' Elev 343.81  
 R.R. spike in base of C&P pole #29 W. side Alternate Route #29, 4900' N. of Route #103, 325' N. of Hunt Avenue.



NOT INCLUDED IN CONTRACT

AS BUILT

Revised Dec. 18, 1959  
 Fire Hydrant added.

**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. The location of all valves, fittings etc. have been located in plan and dimensions shall be strictly adhered to unless otherwise directed by the Engineer in writing. Profile stationing may have to be adjusted to adhere to plan dimensions.
5. Clear all poles by a 2' minimum.
6. All tops of Frost Casings on Fire Hydrants to be set 0.27 above edge of paving or as directed by the Engineer in the field.
7. All Fire Hydrants to be a min. of 1' clear of property line except where shown to be in private property or as otherwise noted.
8. For all standard details see standards bound in specifications.
9. All 6" & 8" W to be C.I.P. Class 22.  
All 12" and 18" W to be C.I.P. Class 23.
10. All Water to have a minimum of 3 1/2' cover.
11. Before digging, pipe pushing or doing other work near Telephone. Cables call collect any time Lexington 9-9500 Ext. 553, 554 or 555 Baltimore Maryland.
12. Block all fittings with concrete. See standard details bound in specifications or special details on drawings.
13. The Sinclair Refining Company must be notified a minimum of one week in advance of construction in vicinity of their Petroleum pipe lines. No work of any kind to be performed in vicinity without a Sinclair representative present.
14. In the event Guard Rail must be removed to construct Water Mains it shall be reset in accordance with detail on Sheet No 34
15. Steel Pipe furnished for highway crossings shall be in conformance with A.W.W.A. specification C 202 and standard detail No.4 bound in specifications.

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

HOWARD COUNTY METROPOLITAN COMMISSION  
 July 2, 1959  
 DATE

CONTRACT NO. 11 W

PLAN OF  
 WATER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

DRAWING NO. 2 OF 34

SCALE 1"=50'

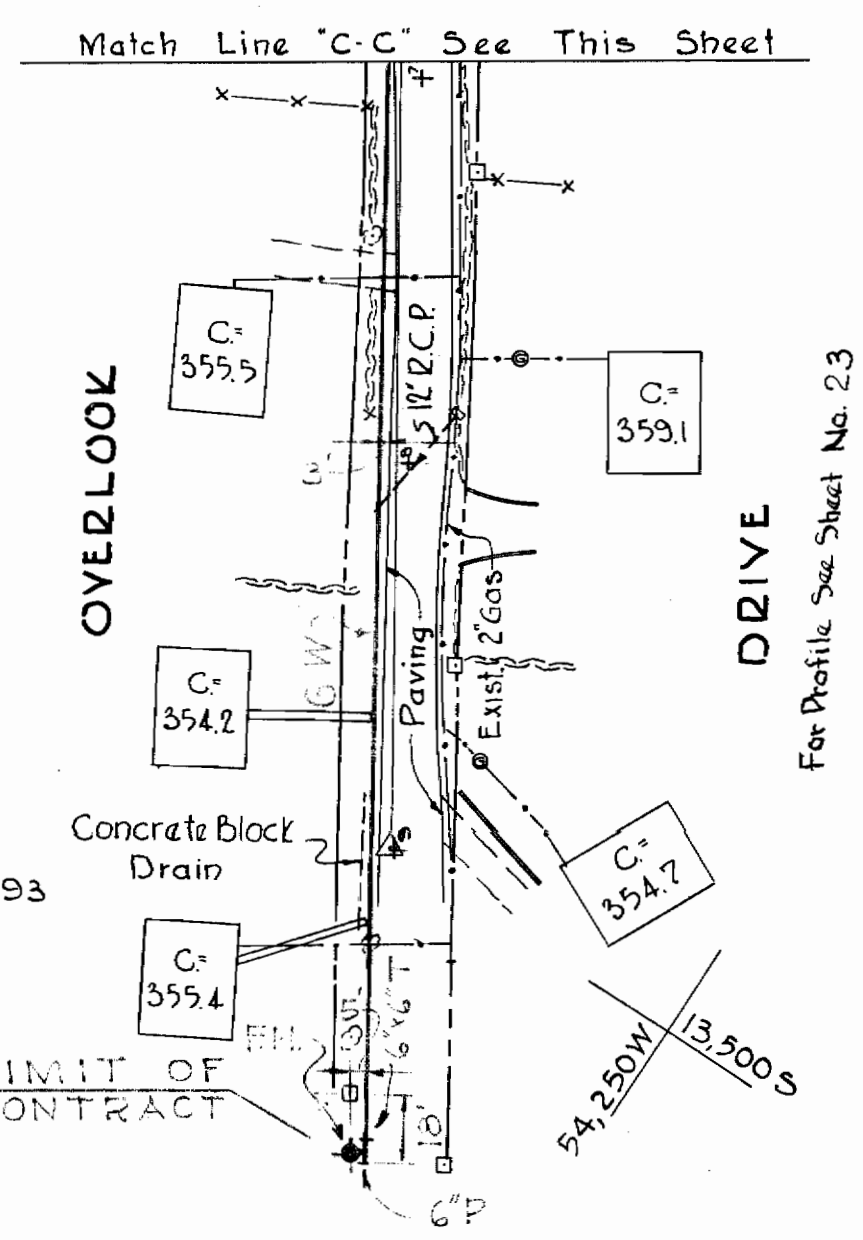
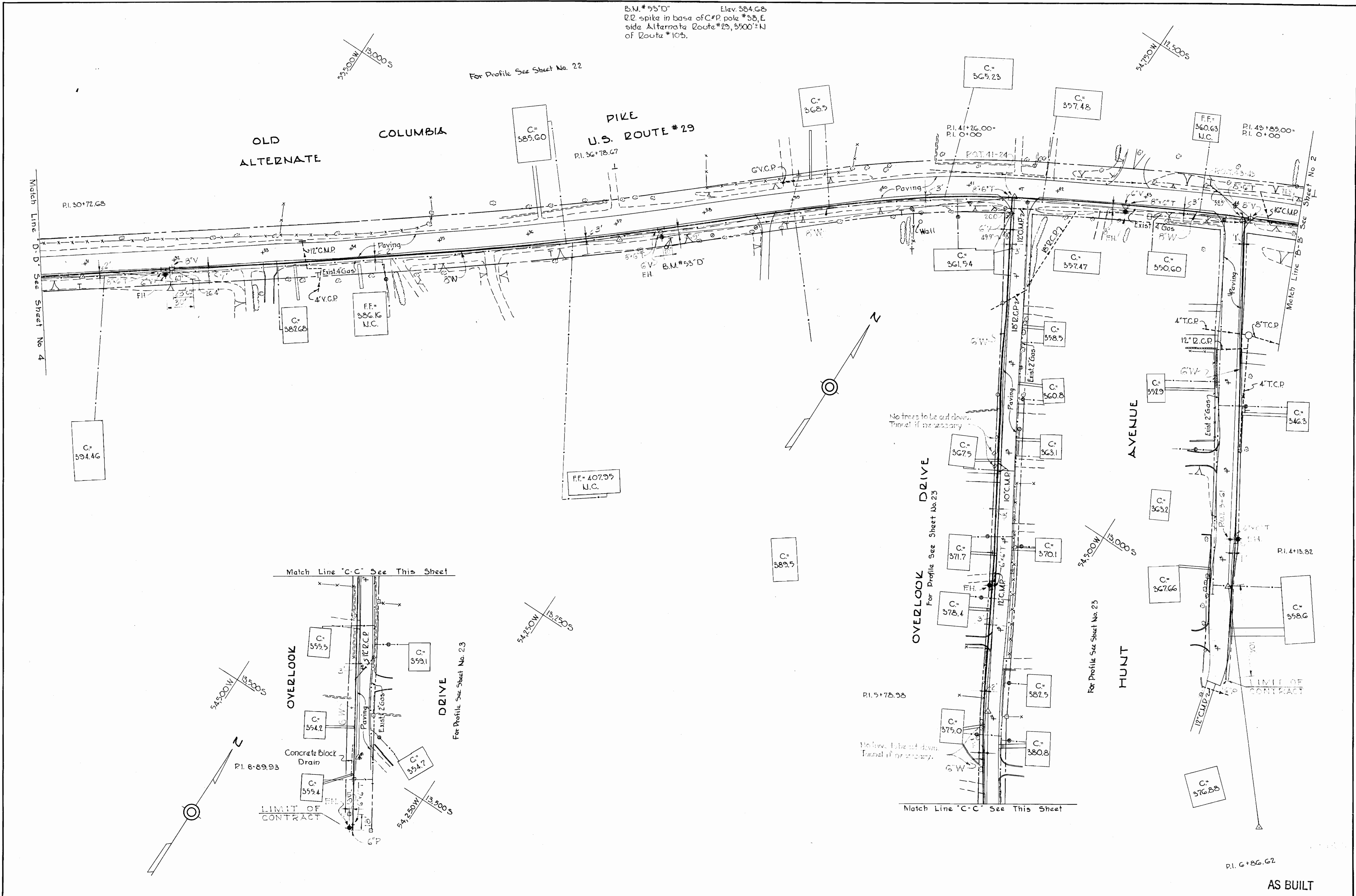
W.O. 4649 FB

FINAL 7-6-59

WS 11/1/59 SM

B.M. #53'D Elev. 384.68  
 R.I. spike in base of C#P pole #38, E  
 side Alternate Route #29, 3500' N  
 of Route #105.

For Profile See Sheet No. 22



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

HOWARD COUNTY METROPOLITAN COMMISSION  
 July 2, 1959  
 DATE

CONTRACT NO. 11 W

PLAN OF  
 WATER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

DRAWING  
 NO. 3  
 OF 34

SCALE  
 1"=50'  
 13-14 SW 37  
 14-SW 36

W.O. 4649

FINAL 7-G-59

WIS 11W/3



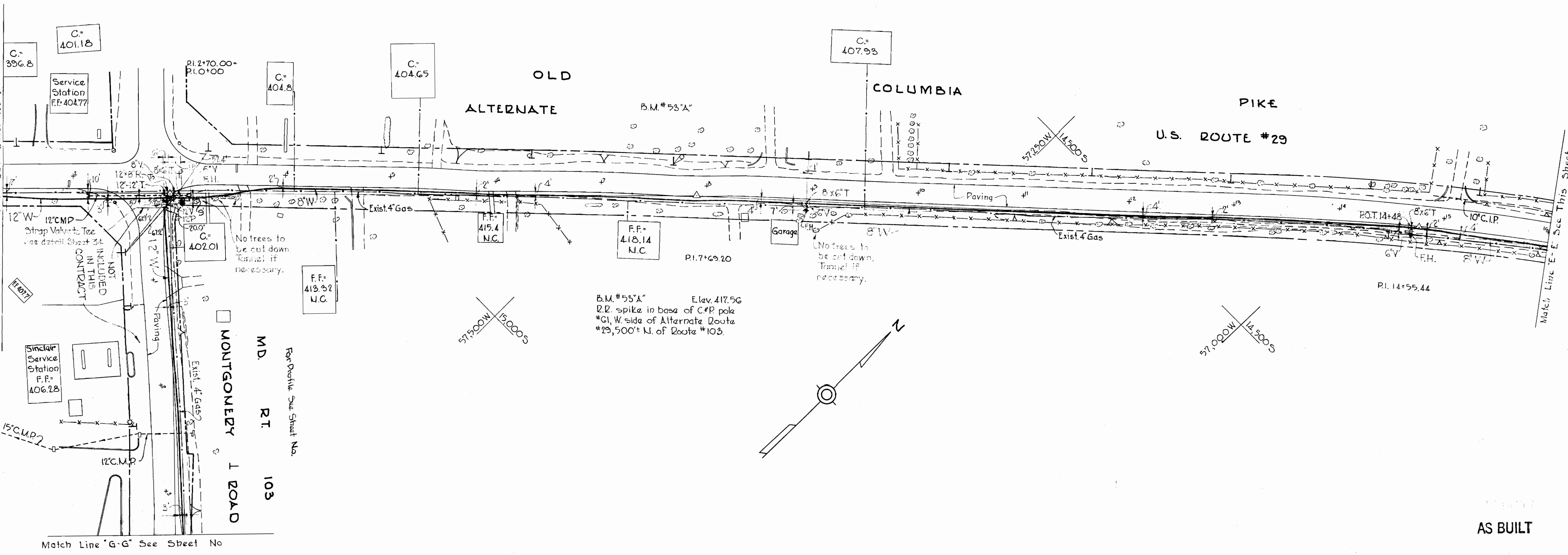
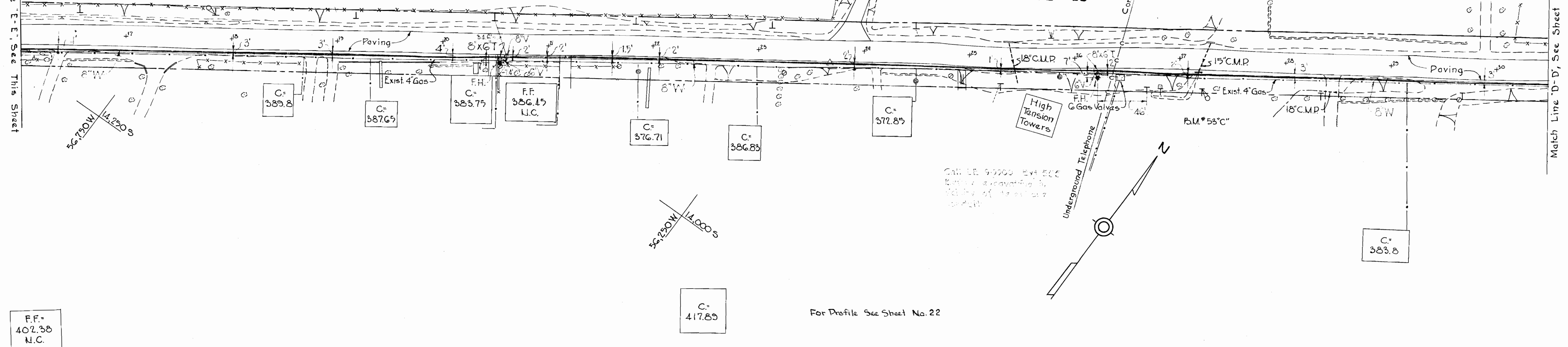
B.M.#55'B Elev. 400.27  
 R.R. spike in base of C&P pole  
 #55, W. side of Alternate Route  
 #29, 1500' N. of Route #103.

B.M.#53'C Elev. 377.75  
 R.R. spike in base of C&P pole  
 #46, E. side of Alternate Route  
 #29, 2500' N. of Route #103.

OLD COLUMBIA PIKE  
 ALTERNATE U.S. ROUTE #29

Match Line 'C-E' See This Sheet

Match Line 'D-D' See Sheet No 5



AS BUILT

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

HOWARD COUNTY METROPOLITAN COMMISSION  
 July 2 1959  
 DATE  
 Chairman

CONTRACT NO. 11 W

PLAN OF  
 WATER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

DRAWING NO. 4 OF 34  
 SCALE 1"=50'

14,155W58  
 18,165W59

W.O. 4649 FB.

FINAL 7-6-59

W/S 11W/4



B.M.#52 Elev. 401.23  
 R.R. spike in base of G.F. pole  
 \*C8244 N.W. cor. of int. of St.  
 Johns Lane & High Point Rd.

P.I. 22+80.21  
 P.I. 81+00.00

58,750W  
 5,000S

B.M.#52

HIGH POINT ROAD

58,790W

C: 404.22

C: 406.2

58,500W

14,750S

C: 406.0

C: 396.66

C: 402.08

58,000W

15,500S

C: 394.24

LOG TEST PIT #7  
 0 to 2' Clayey Gravel  
 2' to 25' Macadam Road Metal  
 2.5' to 35' Well Graded Gravel

LOG TEST PIT #8  
 0 to 5.5' Well Graded Gravel

Jacking required between these limits. See Detail No. 4 bound in Specifications

LIMIT OF PAYMENT LUMP SUM ITEM A-G

No trees to be cut down  
 Tunnel if necessary

Stran 12V to 16" 16" T. See Special Valve Detail Sheet 34.

AS BUILT

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

HOWARD COUNTY METROPOLITAN COMMISSION  
 July 2, 1959  
 DATE

CONTRACT NO. 11 W

WATER MAIN EXTENSIONS

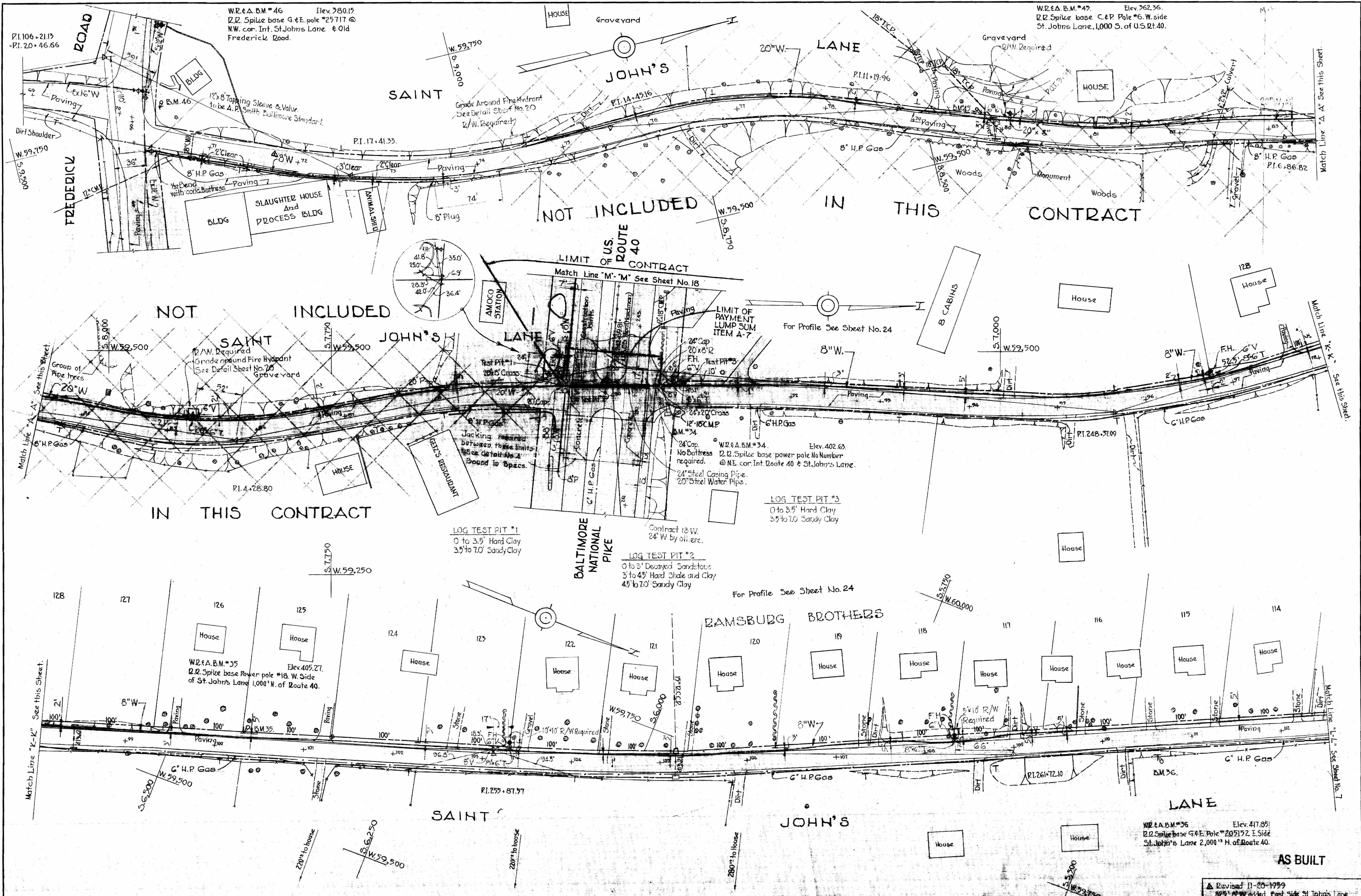
ELLICOTT CITY SUB-DISTRICT

DRAWING NO. 5 OF 34

SCALE 1"=50'

WS 11/11/5 SM





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

HOWARD COUNTY METROPOLITAN COMMISSION  
July 2, 1999  
DATE

CONTRACT NO. 11 W

PLAN OF  
WATER MAIN EXTENSIONS

ELLCOTT CITY SUB-DISTRICT

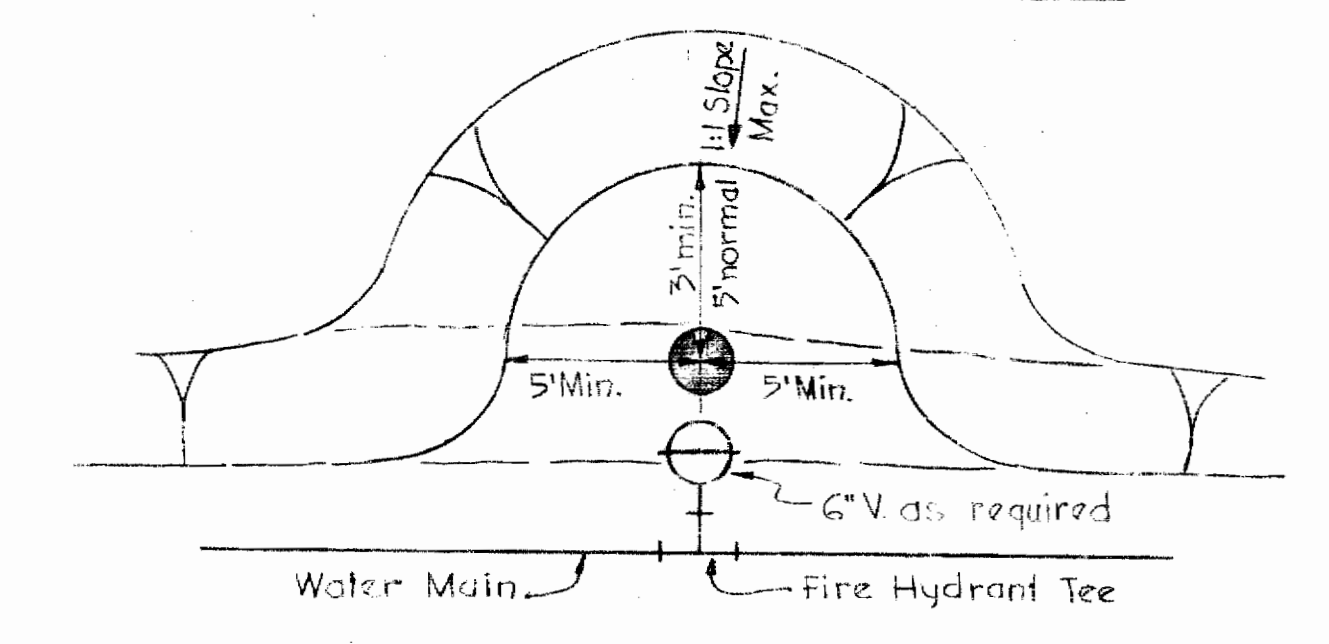
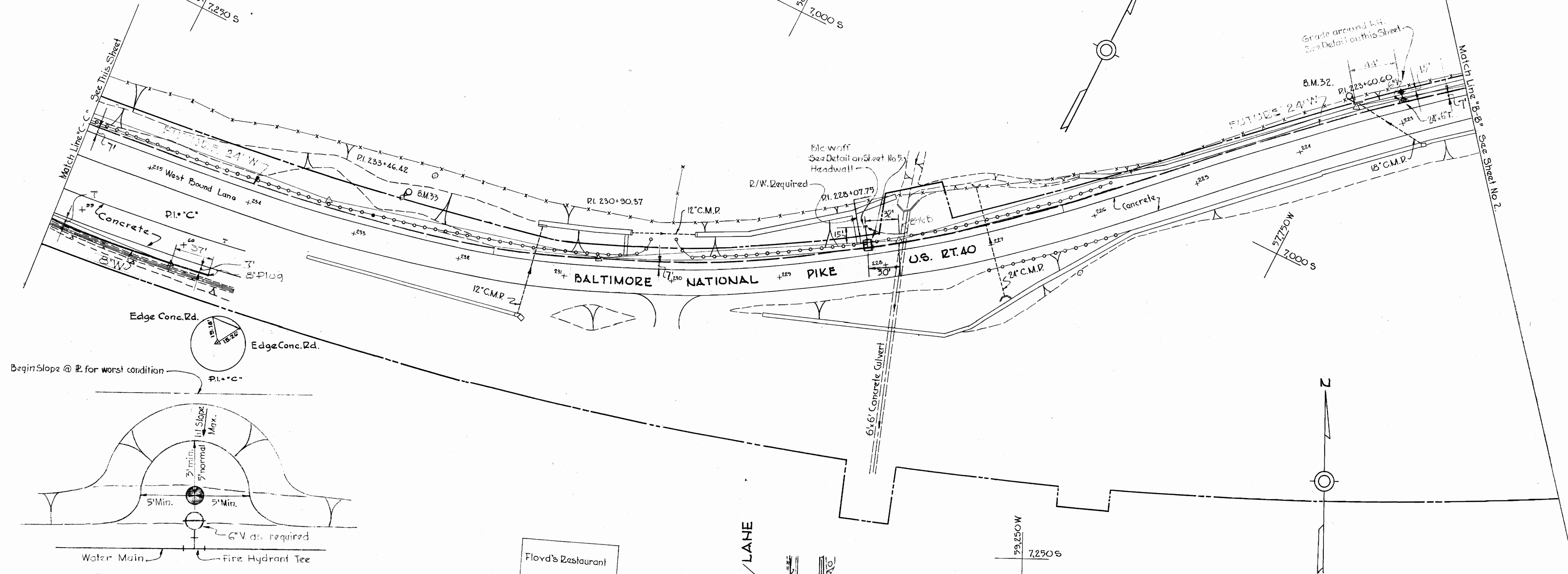
DRAWING NO. 5 OF 34  
SCALE 1"=50'

9/11/11 SM

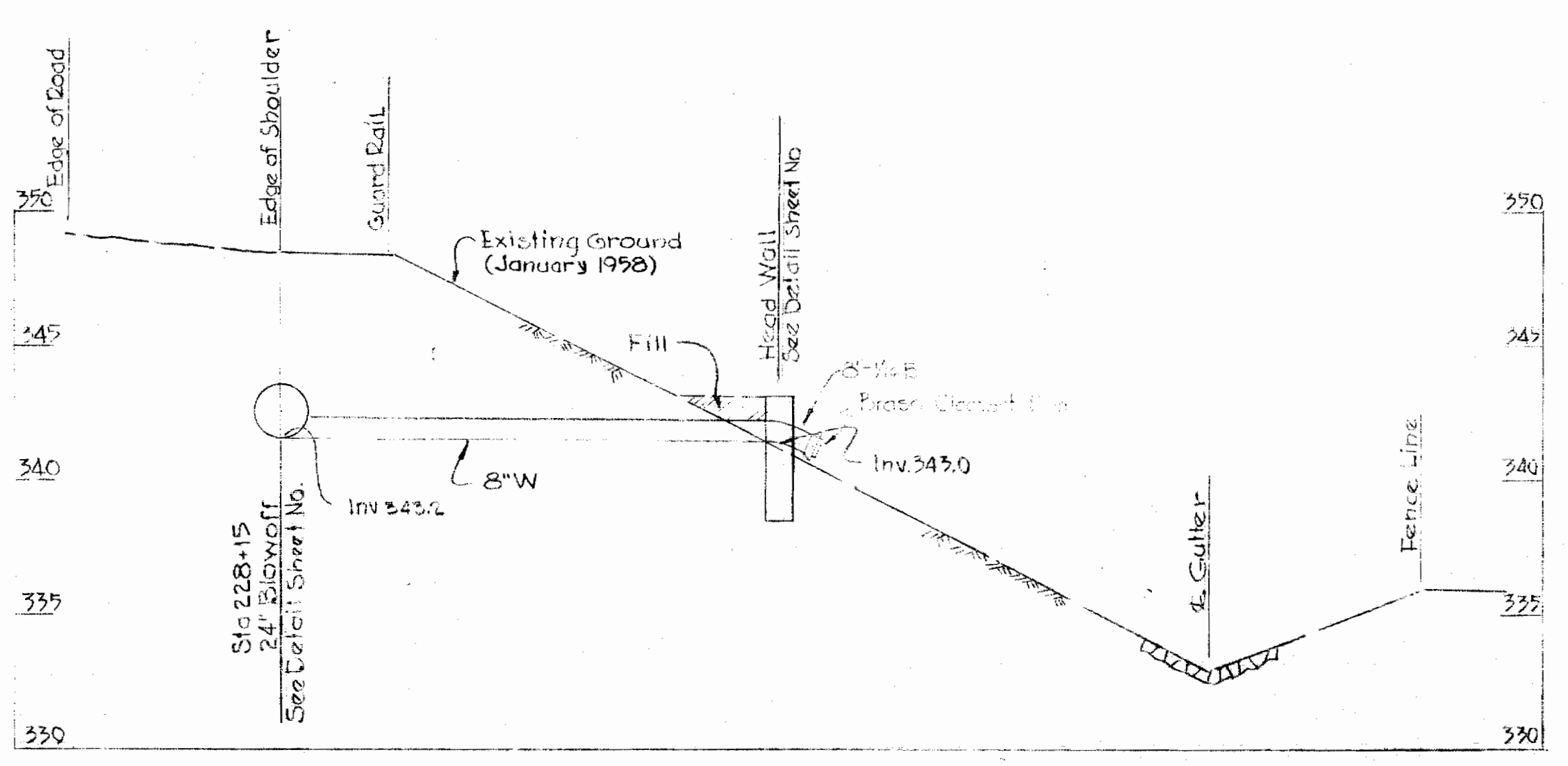


W.P. & A. B.M.#33 Elev. 363.64  
 R.R. spike base 10" twin poplar 35' N. of edge of Route  
 40, 250' ± W. of Transmission line crossing, 1,100' ±  
 of St. John's Lane.

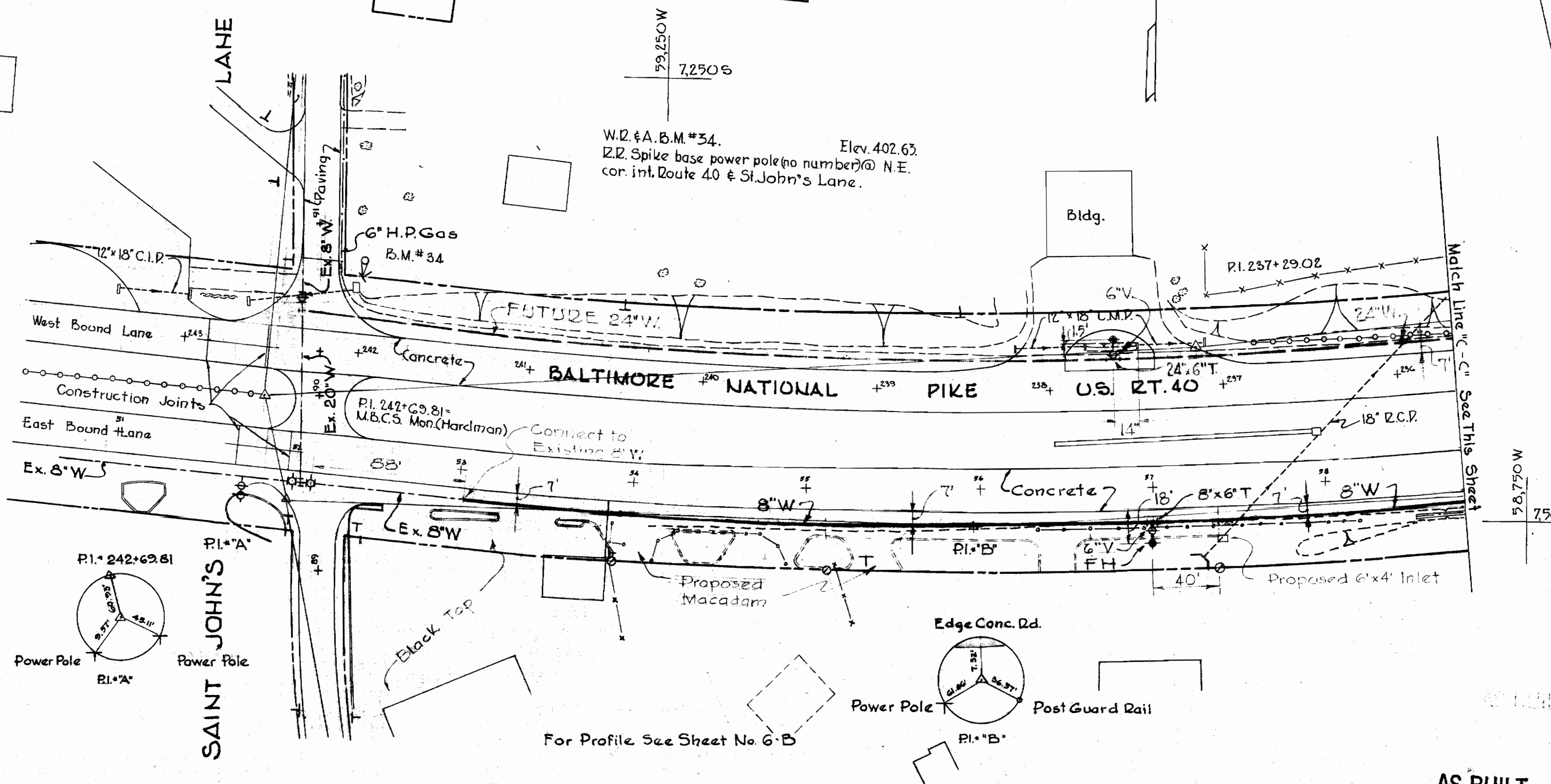
W.P. & A. B.M.#32 Elev. 372.23  
 Cut W. end conc. headwall N. side of Route 40  
 2,000' ± E. of St. John's Lane Int. B.M. is 5' N.W. of  
 P.I. 223+60.60.



**GRADING DETAIL FOR FIRE HYDRANTS**  
 No Scale



**PROFILE OF BLOWOFF AT STA 228+15**  
 Scale: Hor: 1"=5'  
 Vert: 1"=5'



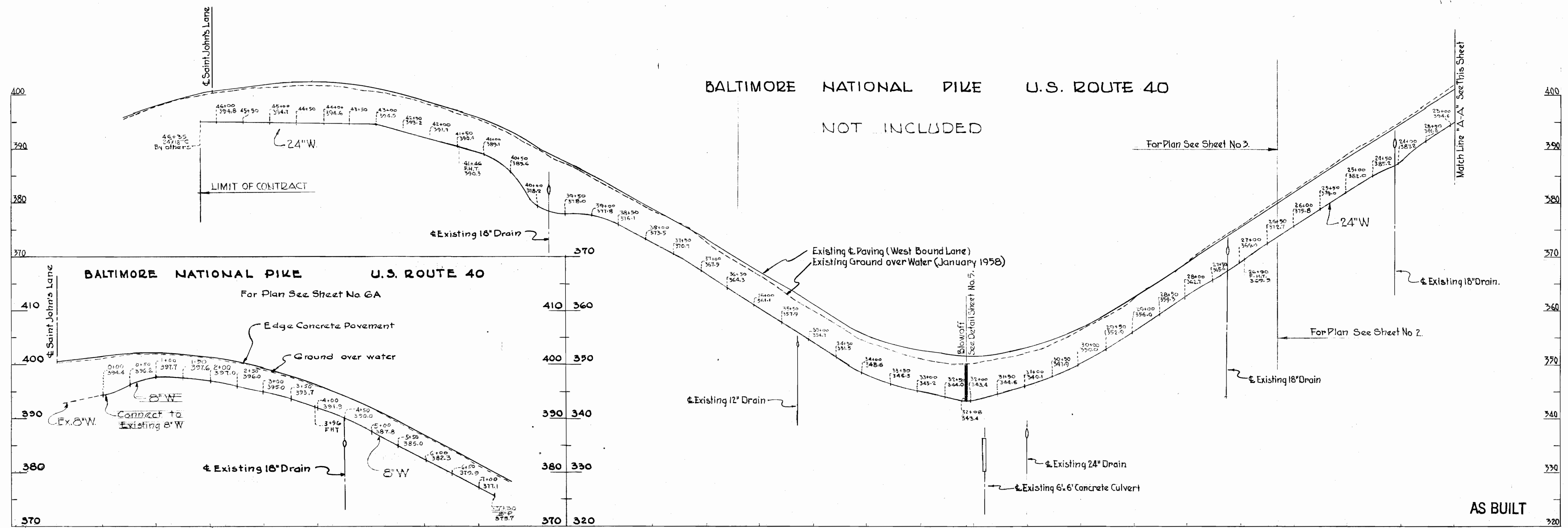
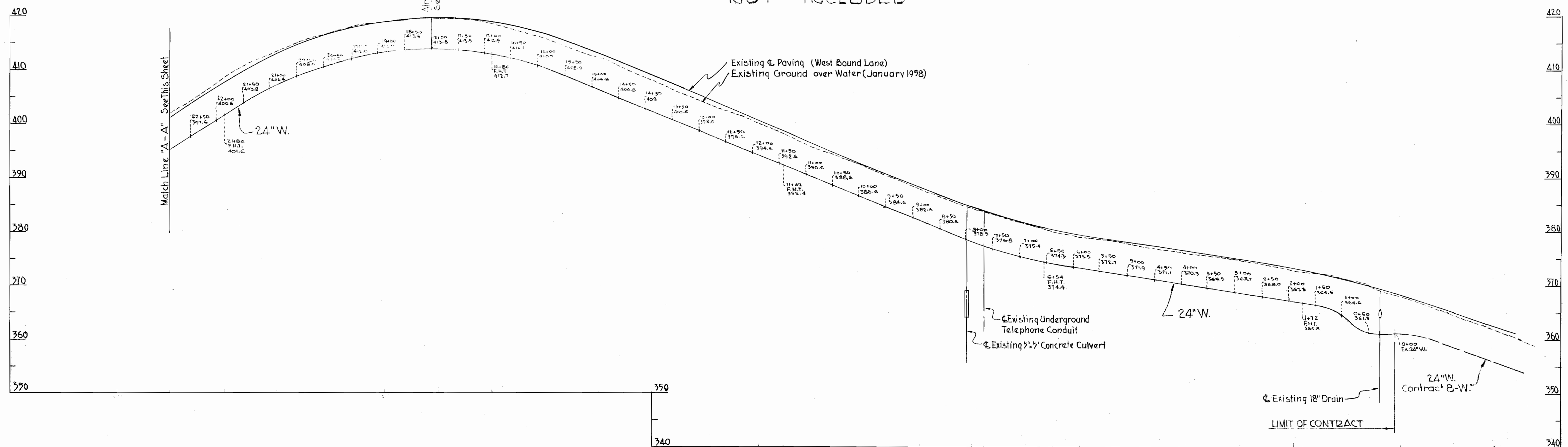
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 21, 1960 DATE	CONTRACT NO. II W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 5A OF 34	SCALE 1"=50'	AS BUILT
					FB 2493 2551		

W.Q. 4649

FINAL MARCH 14, 1960

WS 11W/6-A

BALTIMORE NATIONAL PIKE U.S. ROUTE 40  
NOT INCLUDED



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

HOWARD COUNTY METROPOLITAN COMMISSION  
March 21, 1960  
DATE  
*Carl W. Meyer*  
CHIEF ENGINEER

CONTRACT NO. 11 W

PROFILES OF  
WATER MAIN EXTENSIONS

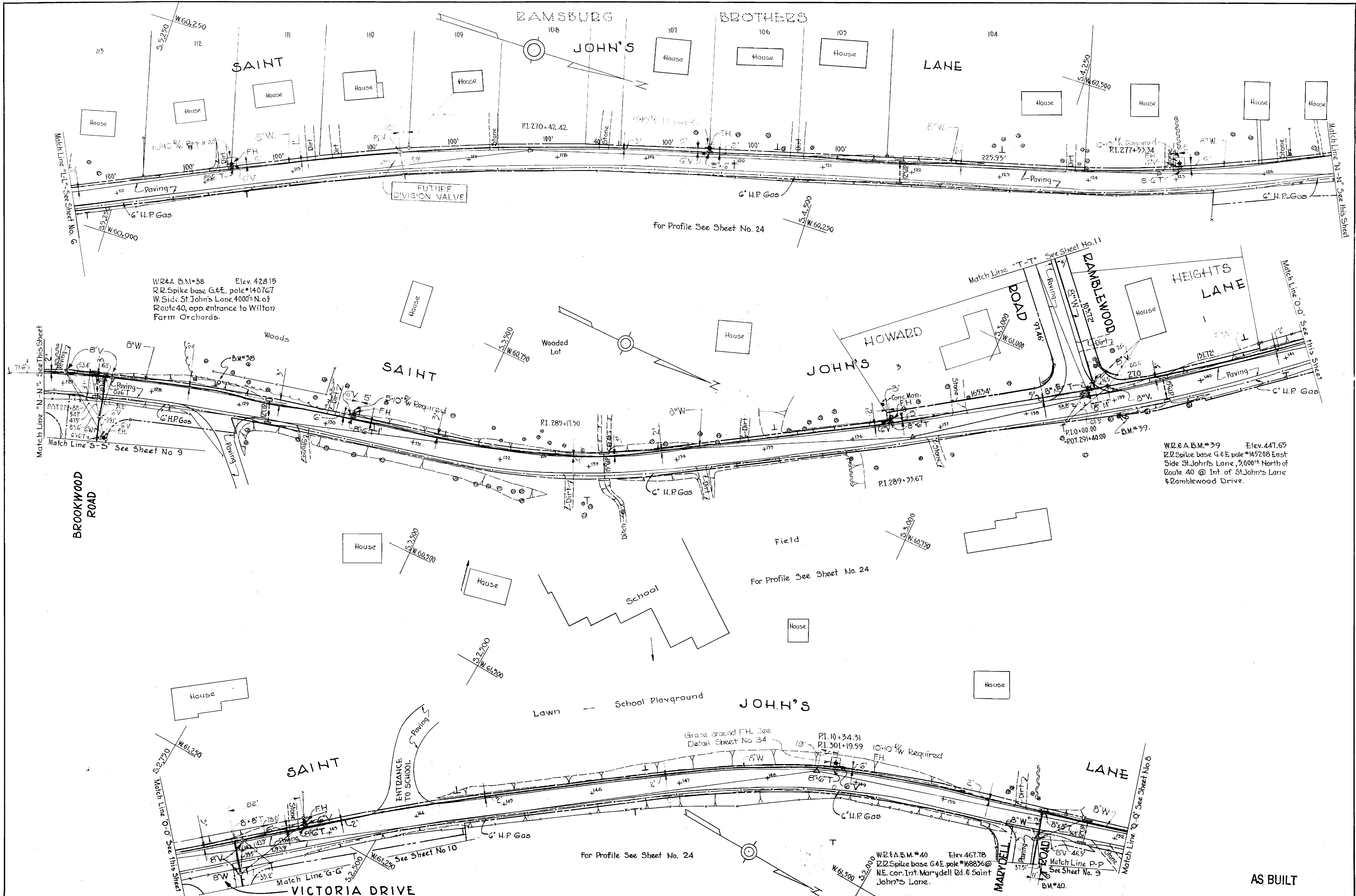
ELLICOTT CITY SUB-DISTRICT

DRAWING  
NO. 6B  
OF 34

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

WS 11/11/6-11B





W.R. & A. B.M.#38 Elev. 428.15  
 R.R. Spike base G. & E. pole #140767  
 W. Side St. John's Lane, 4000' N. of  
 Route 40, opp entrance to Wilton  
 Farm Orchards.

W.R. & A. B.M.#39 Elev. 447.65  
 R.R. Spike base G. & E. pole #145208 East  
 Side St. John's Lane, 5000' N. of  
 Route 40 @ Int. of St. John's Lane  
 & Dumblewood Drive.

W.R. & A. B.M.#40 Elev. 467.78  
 R.R. Spike base G. & E. pole #168876 @  
 N.E. cor. Int. Maryland Rd. & Saint  
 John's Lane.

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1989 DATE <i>John W. Meyer</i> CHAIRMAN	CONTRACT NO. 11 W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 7 OF 34	SCALE 1"=50' AS BUILT
---	--	-------------------	----------------------------------	----------------------------	---------------------------	-----------------------------

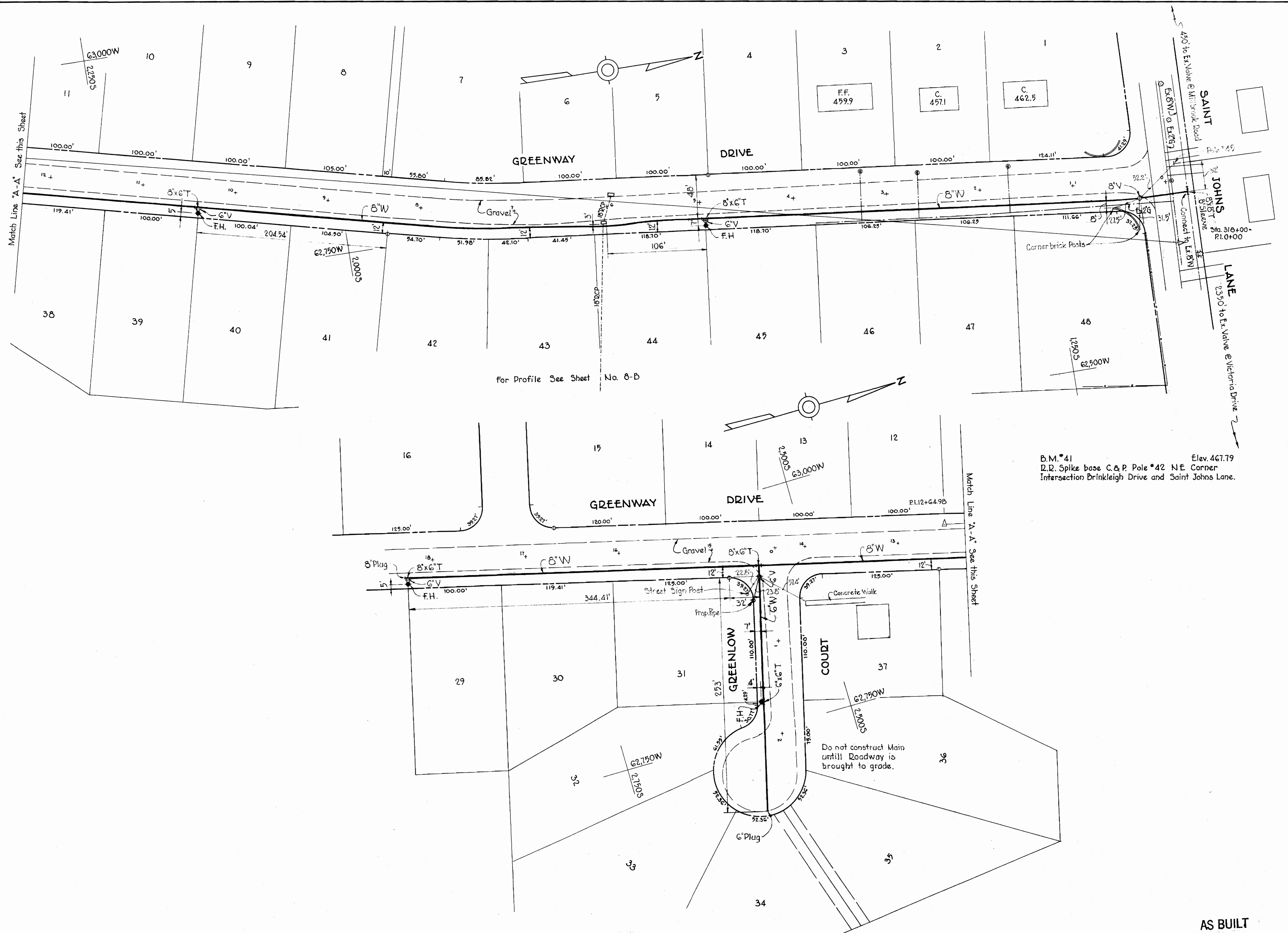
W0.4649 F.B. 2349, 2358

REVISED 7-23-59  
 FINAL 7-6-59

WS 11W17 SM







B.M. #41 Elev. 467.79  
 D.R. Spike base C. & P. Pole #42 N.E. Corner  
 Intersection Drinkleigh Drive and Saint Johns Lane.

Match Line "A-A" See this Sheet

Match Line "A-A" See this Sheet

For Profile See Sheet No. 8-B

AS BUILT

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

HOWARD COUNTY METROPOLITAN COMMISSION  
 February 15, 1960  
 DATE

CONTRACT NO. 11 W

PLAN OF  
 WATER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

DRAWING  
 NO. 8-A  
 OF 34

SCALE  
 1" = 50'

W.O. 4649-2

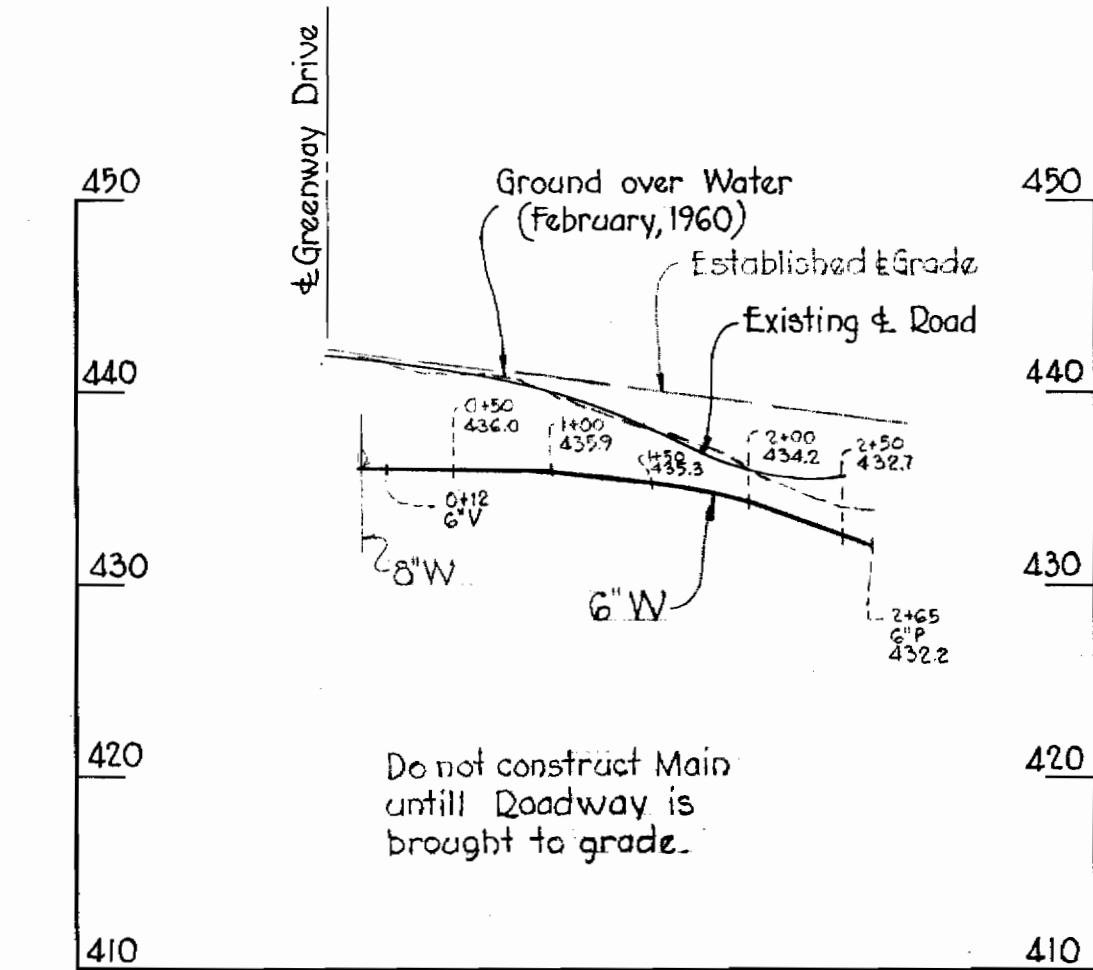
FEBRUARY 15, 1960

F.D. #2450

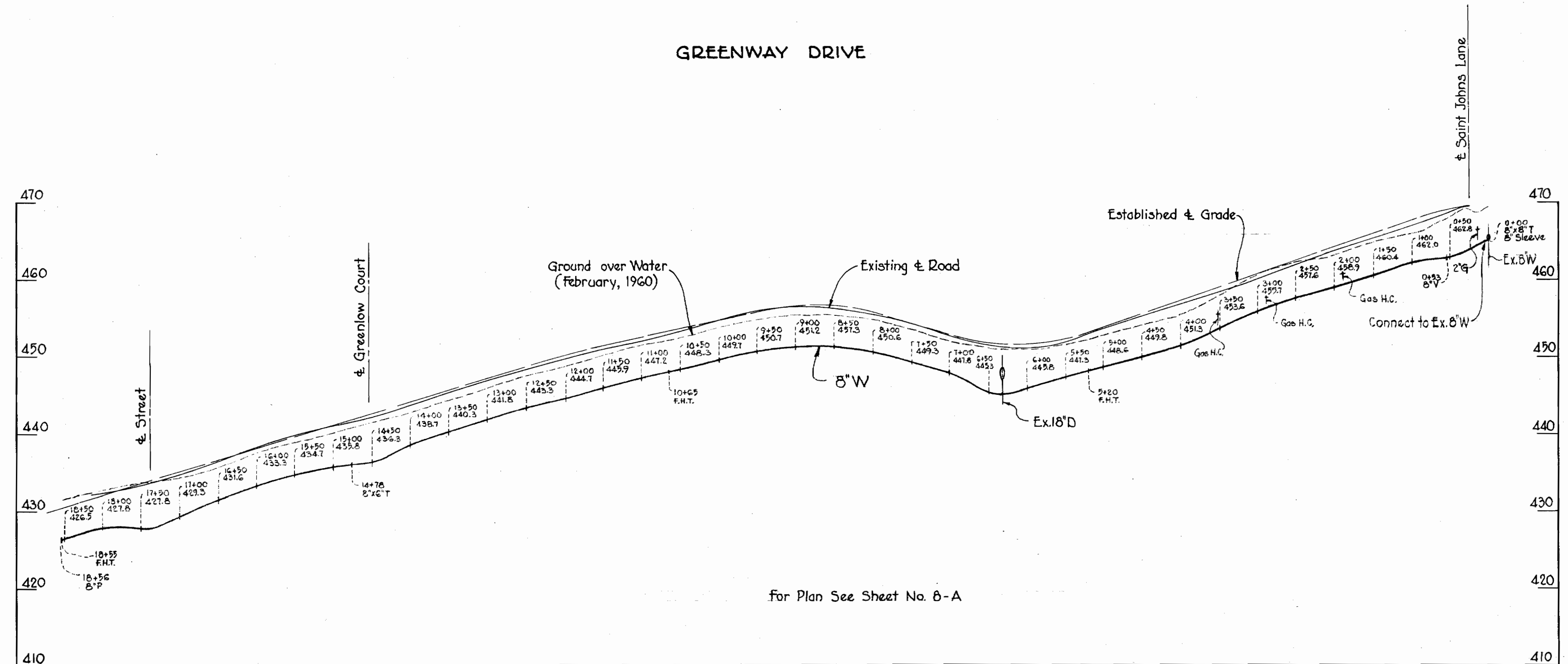
WS 11W/8-A

WS 11W/8-B

GREENLOW COURT



GREENWAY DRIVE



PROFILE

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

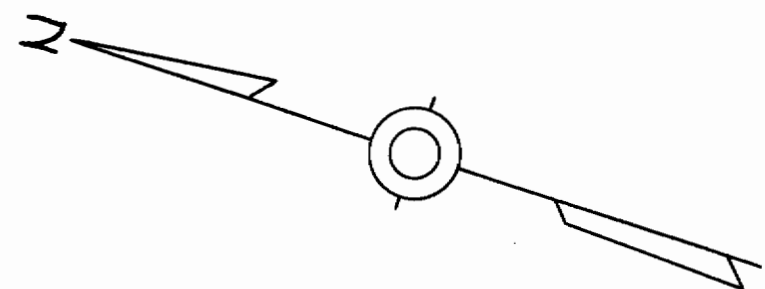
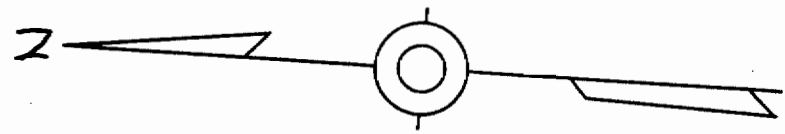
AS BUILT

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION February 15, 1960 <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 11 W	PROFILES OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 8-B OF 34 SCALE H-1"=100' V-1"=10' FEBRUARY 15, 1960
---	--	-------------------	--------------------------------------	----------------------------	--

W.O. 4649-2

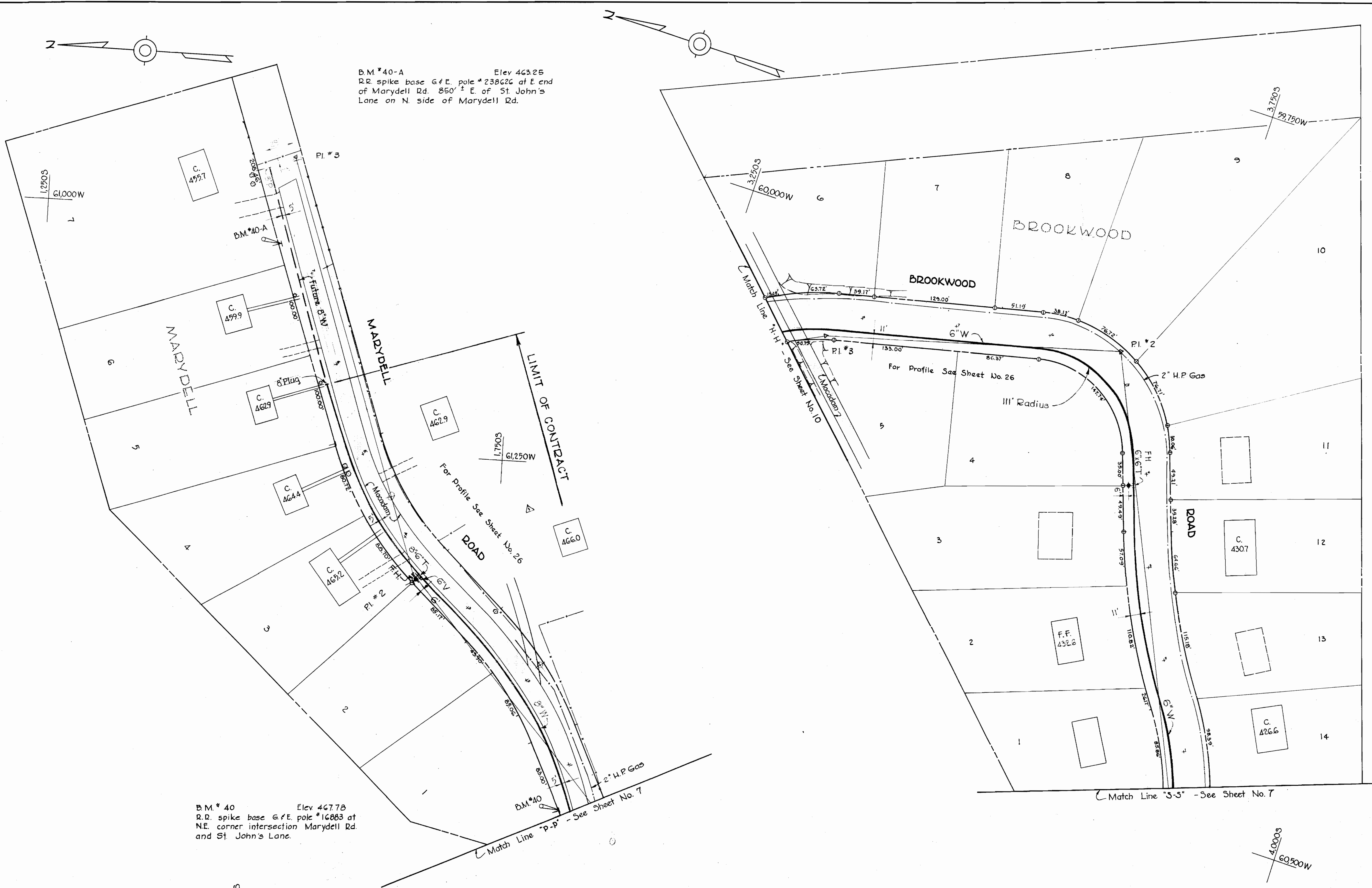
FB. 2450





B.M. \*40-A Elev 46325  
 R.R. spike base G.F.E. pole #238426 at E. end  
 of Marydell Rd. 850' ± E. of St John's  
 Lane on N. side of Marydell Rd.

B.M. \*40 Elev 46778  
 R.R. spike base G.F.E. pole #16883 at  
 N.E. corner intersection Marydell Rd.  
 and St John's Lane.



AS BUILT

Δ Revised 12-24-1959  
 590' 8" W in Marydell added.

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

HOWARD COUNTY METROPOLITAN COMMISSION  
 July 2, 1959  
 DATE

CONTRACT NO. 11W

PLAN OF  
 WATER MAIN EXTENSIONS

ELLCOTT CITY SUB-DISTRICT

DRAWING NO. 9 OF 34	SCALE 1" = 50'	2,4 SW 41

W.O. 4649

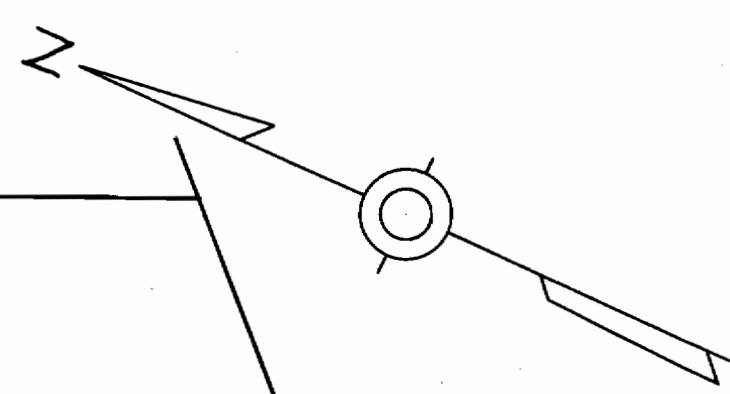
REVISED 7-23-59  
 FINAL 7-6-59

6/11/1959

WS 11W/10 SM

BM # 38-B Elev. 466.40  
R.R. spike base G & E pole #276685  
175' ± E of intersection of Victoria  
Dr & Brookwood Rd N. side of  
Victoria Dr

BM # 38-A Elev. 456.55  
R.R. spike base G & E pole #276691  
back R btwn lots 40 & 41  
150' ± E of Brookwood Rd. BM #38-A



AS BUILT

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 DATE <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 11 W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 10 OF 34 SCALE 1" = 50' 5 4 4 5 W 41
---	---	-------------------	----------------------------------	----------------------------	---

WO. 4649 F.B. 2349

FINAL 7-6-59





For Profiles See Sheet No 27

AS BUILT

<p><b>WHITMAN, REQUARDT &amp; ASSOCIATES</b>          ENGINEERS          1304 ST. PAUL ST.          BALTIMORE, MARYLAND</p>	<p><b>HOWARD COUNTY METROPOLITAN COMMISSION</b>          July 2, 1959  <i>Carl W. Meyer</i>          CHAIRMAN</p>	<p>CONTRACT NO. 11 W</p>	<p>PLAN OF          WATER MAIN EXTENSIONS</p>	<p>ELLICOTT CITY SUB-DISTRICT</p>	<p>DRAWING NO. 11 OF 34          SCALE 1"=50'</p>
---	---	--------------------------	---	-----------------------------------	---

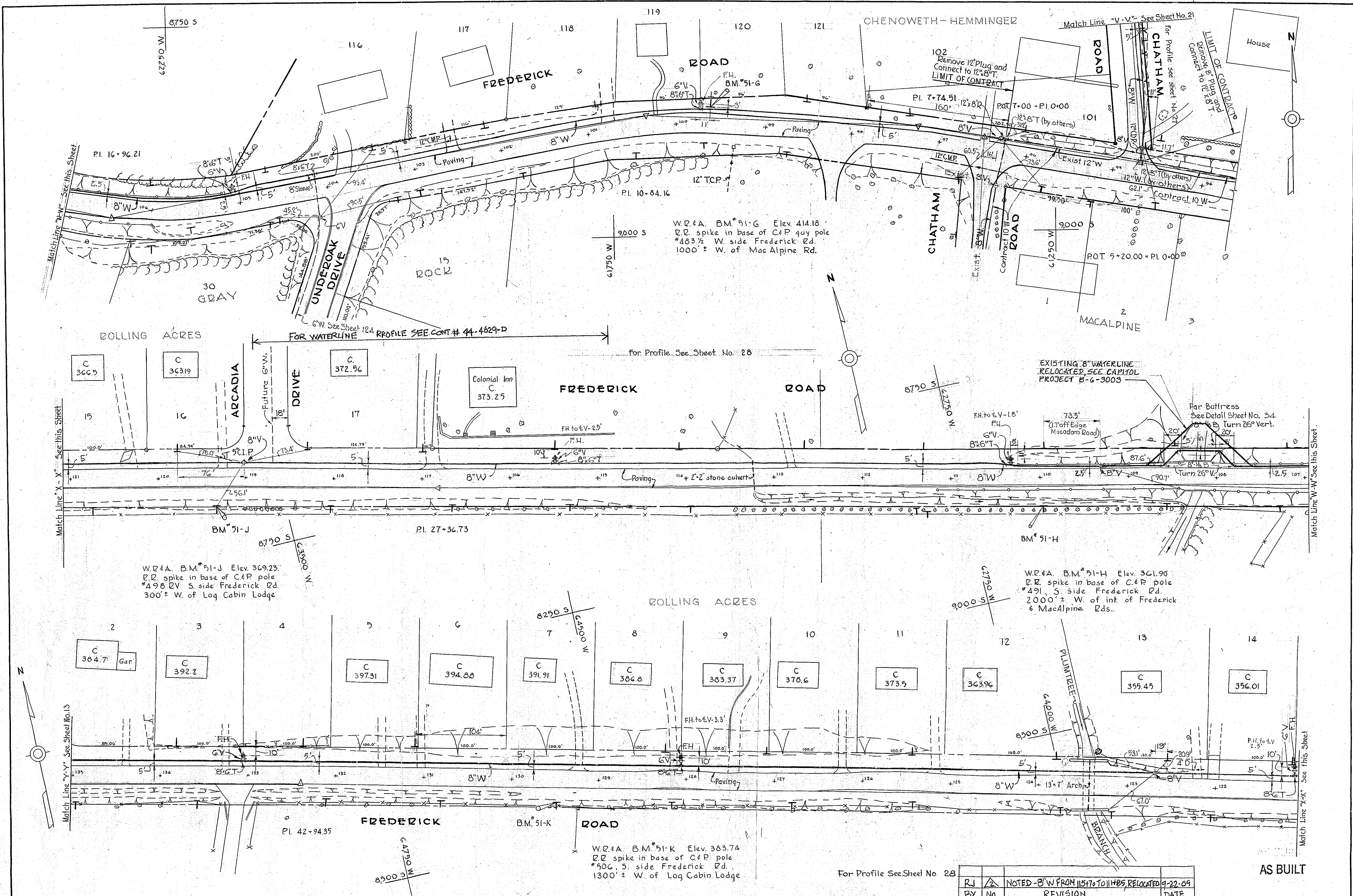
W.O. 4649 F.B. 2349

FINAL 7-6-59

11/11/11 SM



WS 11/11/12



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

HOWARD COUNTY METROPOLITAN COMMISSION  
July 2, 1959  
DATE  
*Carl W. Meyer*  
CHAIRMAN

CONTRACT NO. 11 W

PLAN OF  
WATER MAIN EXTENSIONS

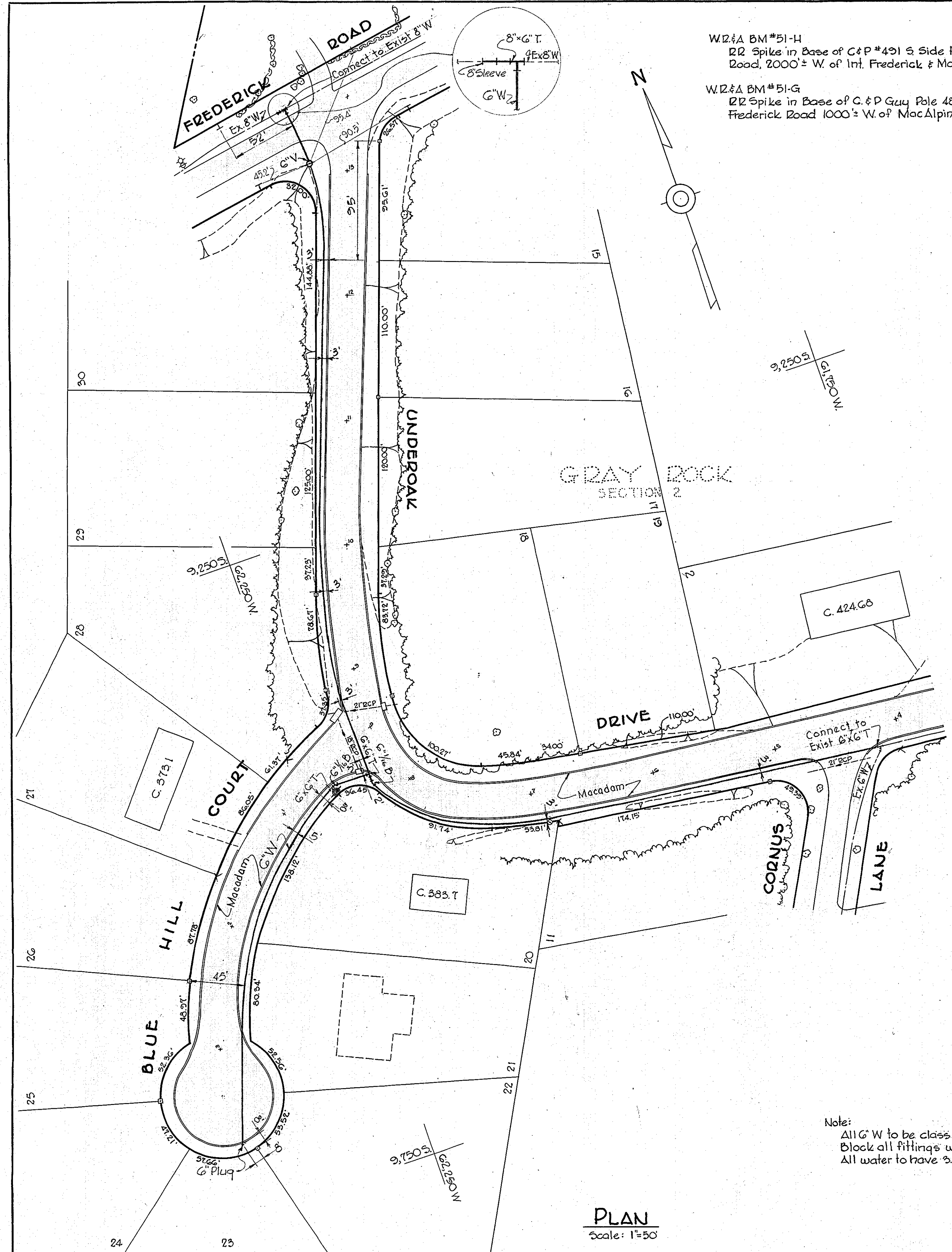
ELLICOTT CITY SUB-DISTRICT

DRAWING NO. 12 OF 34  
SCALE 1"=50'  
9 SW 41,42  
9 SW 43,44

BY	NO.	REVISION	DATE
RJ	1	NOTED - 8" W FROM 11570 TO 111185, RELOCATED	9-22-09



WS 11W/12A

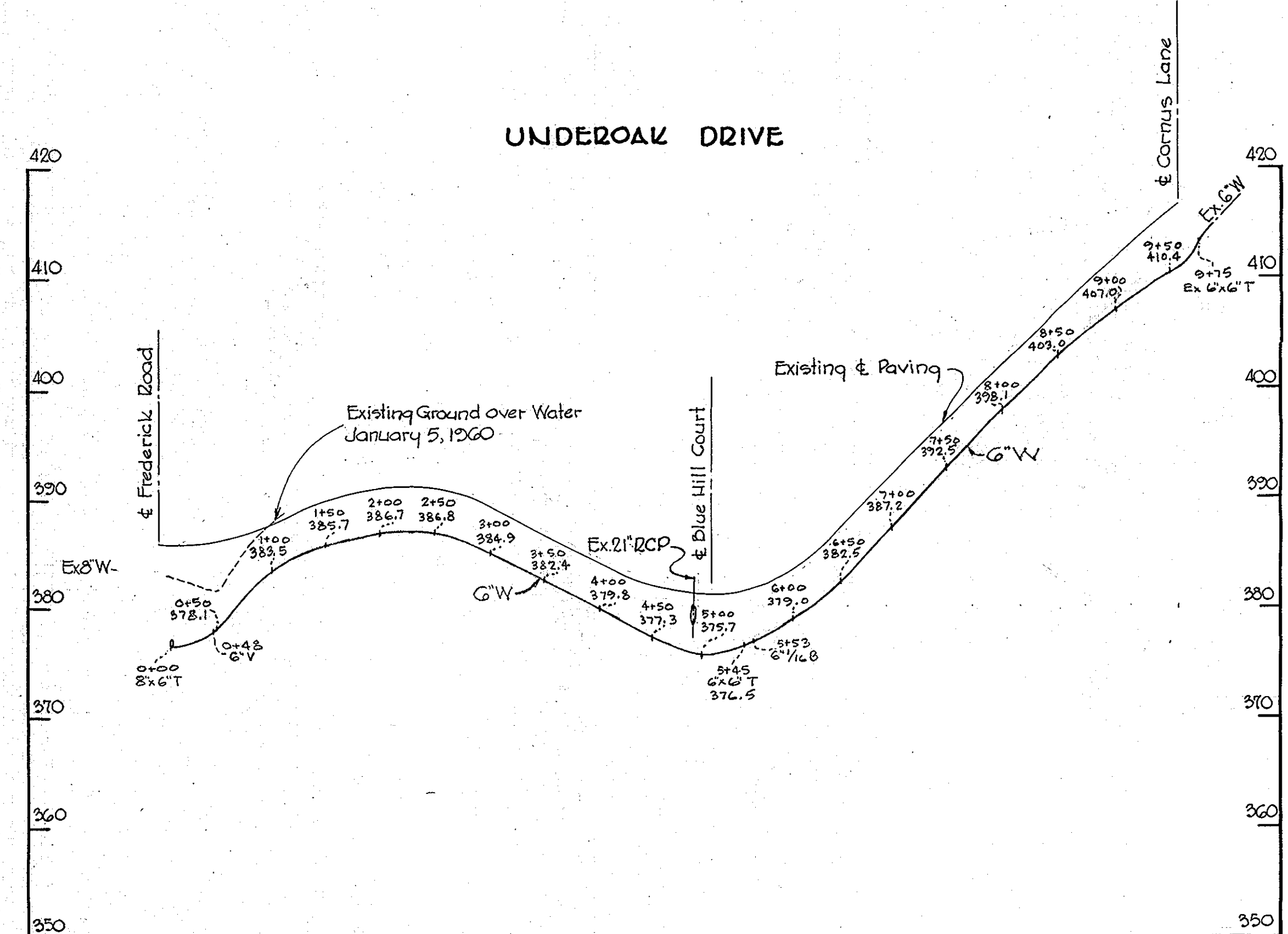
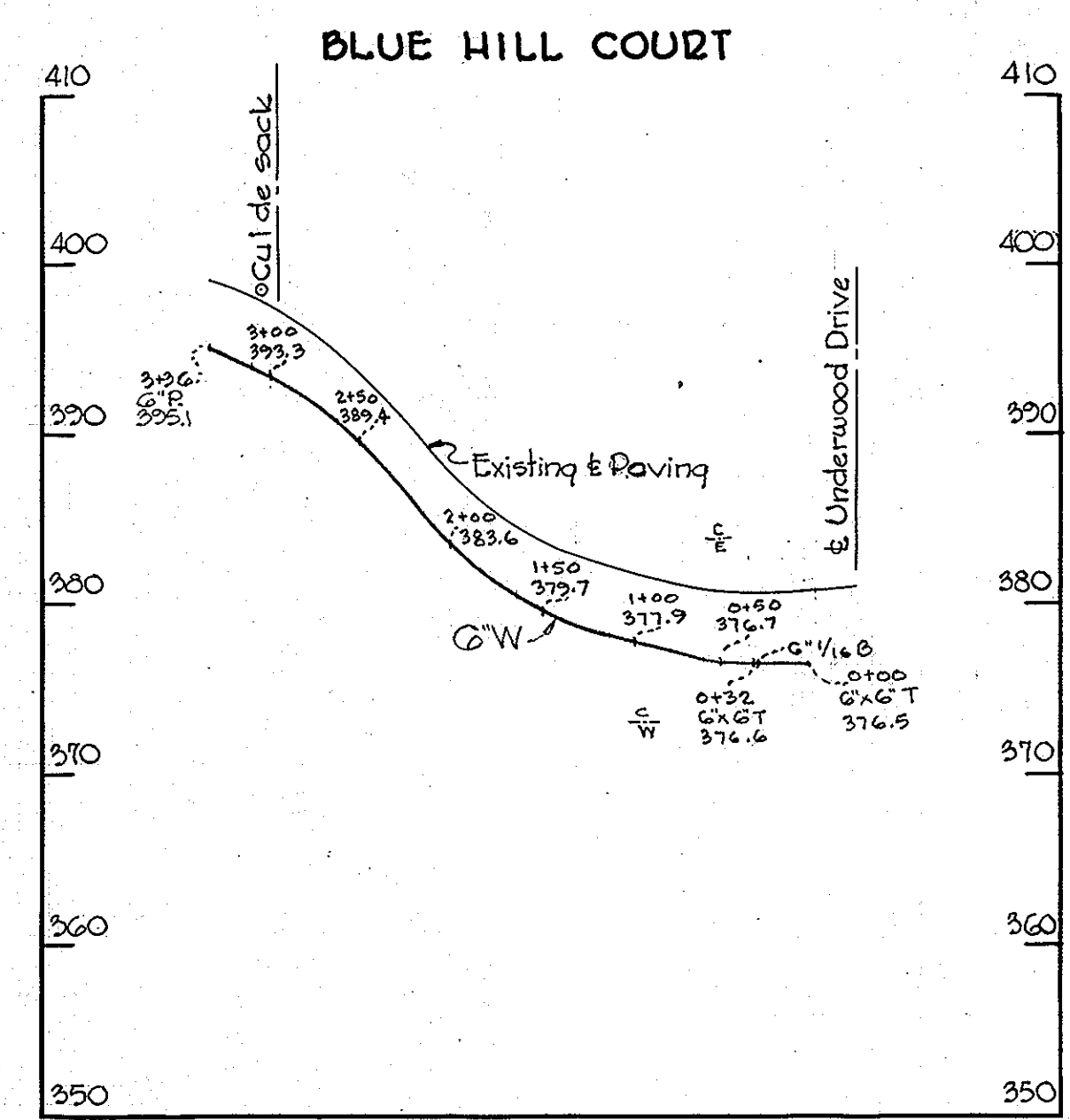


W.R.#A BM#51-H Elev. 361.90  
 RR Spike in Base of C & P #491 S. Side Frederick Road, 2000' ± W. of Int. Frederick & MacAlpine Rds.

W.R.#A BM#51-G Elev. 414.18  
 RR Spike in Base of C & P Guy Pole 483.5' N. Side Frederick Road 1000' ± W. of MacAlpine Road.

Note:  
 All G.W. to be class 22 CIP  
 Block all fittings with concrete.  
 All water to have .5' min. cover.

**PLAN**  
 Scale: 1"=50'



**PROFILE**  
 Scale: Vert. 1"=10'  
 Horiz. 1"=100'

AS BUILT

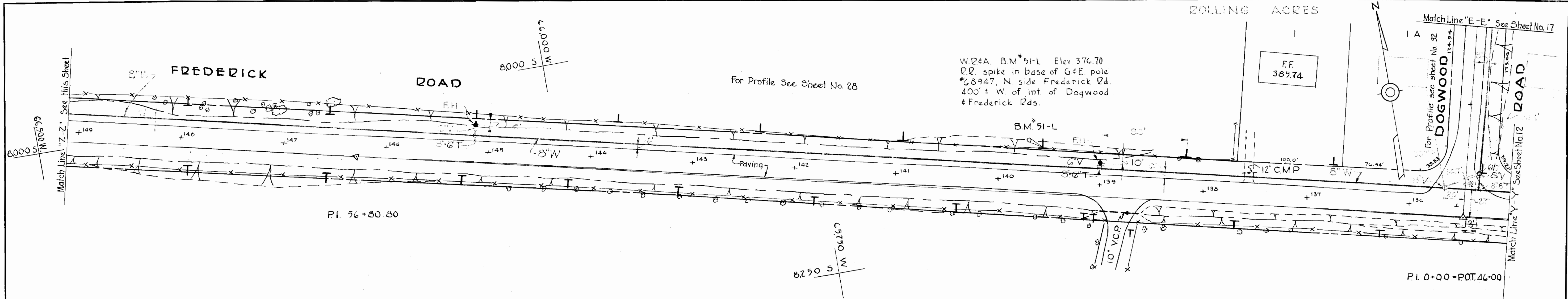
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 18, 1960 <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 11W	PLAN AND PROFILE OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 12A OF 34 SCALE 1"=50'	95W42 105W42
---	--	------------------	--	----------------------------	--	-----------------

WO4649 F5 2457

22 JAN, 1960

ROLLING ACRES

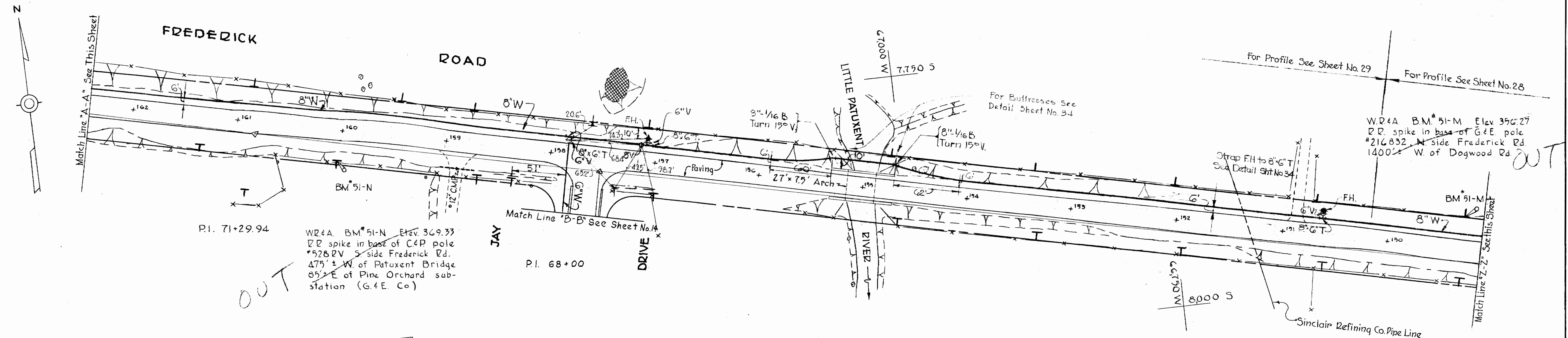
Match Line "E-E" See Sheet No. 17



W.R.#A. B.M.\*51-L Elev 376.70  
 RR spike in base of G&E pole  
 #28947 N. side Frederick Rd  
 400' ± W. of int. of Dogwood  
 & Frederick Rds.

FF  
 387.74

PI. 0+00 = POT. 46-00



W.R.#A. B.M.\*51-N Elev 369.33  
 RR spike in base of C&P pole  
 #5282V S. side Frederick Rd.  
 475' ± W. of Patuxent Bridge  
 85' ± E. of Pine Orchard sub-  
 station (G.&E. Co)

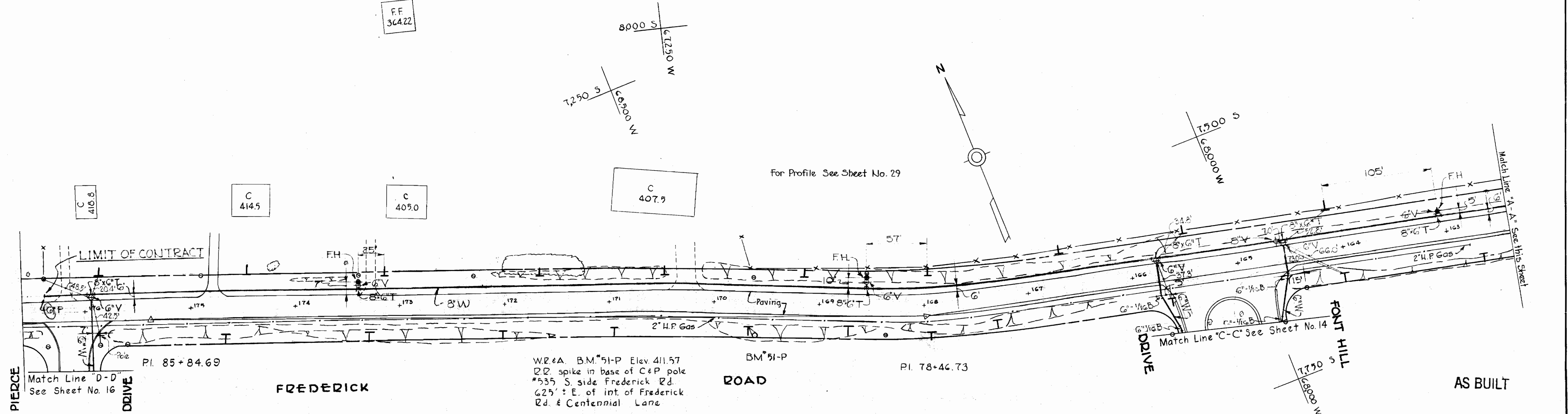
W.R.#A. B.M.\*51-M Elev 356.27  
 RR spike in base of G&E pole  
 #216832 N. side Frederick Rd.  
 1400' ± W. of Dogwood Rd

FF  
 364.22

8000 S  
 67250 W

7250 S  
 68000 W

7500 S  
 68000 W



W.R.#A. B.M.\*51-P Elev 411.57  
 RR spike in base of C&P pole  
 #535 S. side Frederick Rd.  
 625' ± E. of int. of Frederick  
 Rd. & Centennial Lane

7750 S  
 68000 W

WHITMAN, REARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 DATE	CONTRACT NO. 11 W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 13 OF 34 SCALE 1"=50' 9 SW 44.45 8 SW 45.47
---	---	-------------------	----------------------------------	----------------------------	--

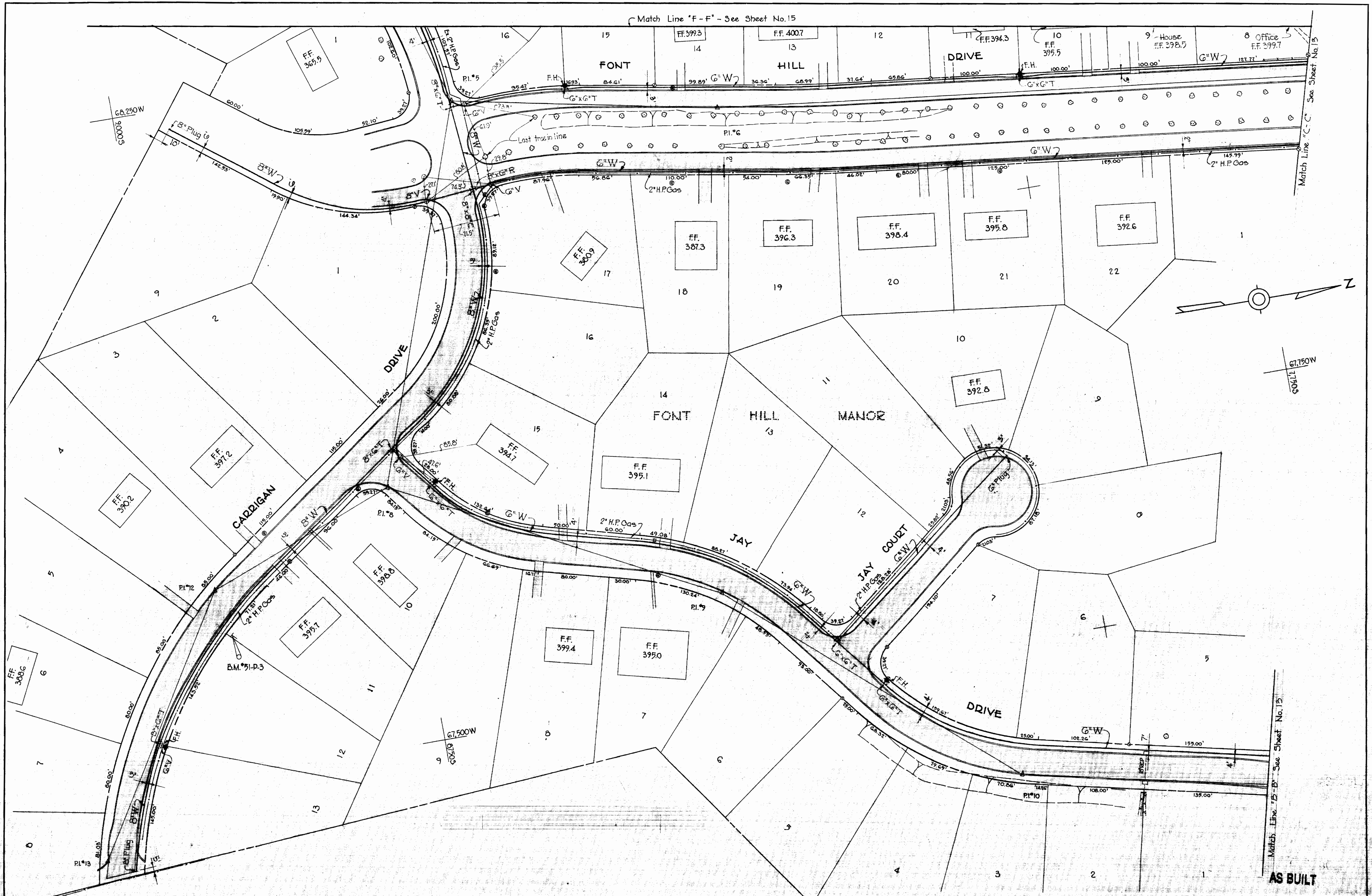
W.O. 4649 F.B. 2154, 2162, 2360

FINAL 7-C-59

WS 11W/13



WS 11W/14



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

HOWARD COUNTY METROPOLITAN COMMISSION  
 July 2, 1959  
*Carl W. Meyer*  
 CHAIRMAN

CONTRACT NO. 11W

PLAN OF  
 WATER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

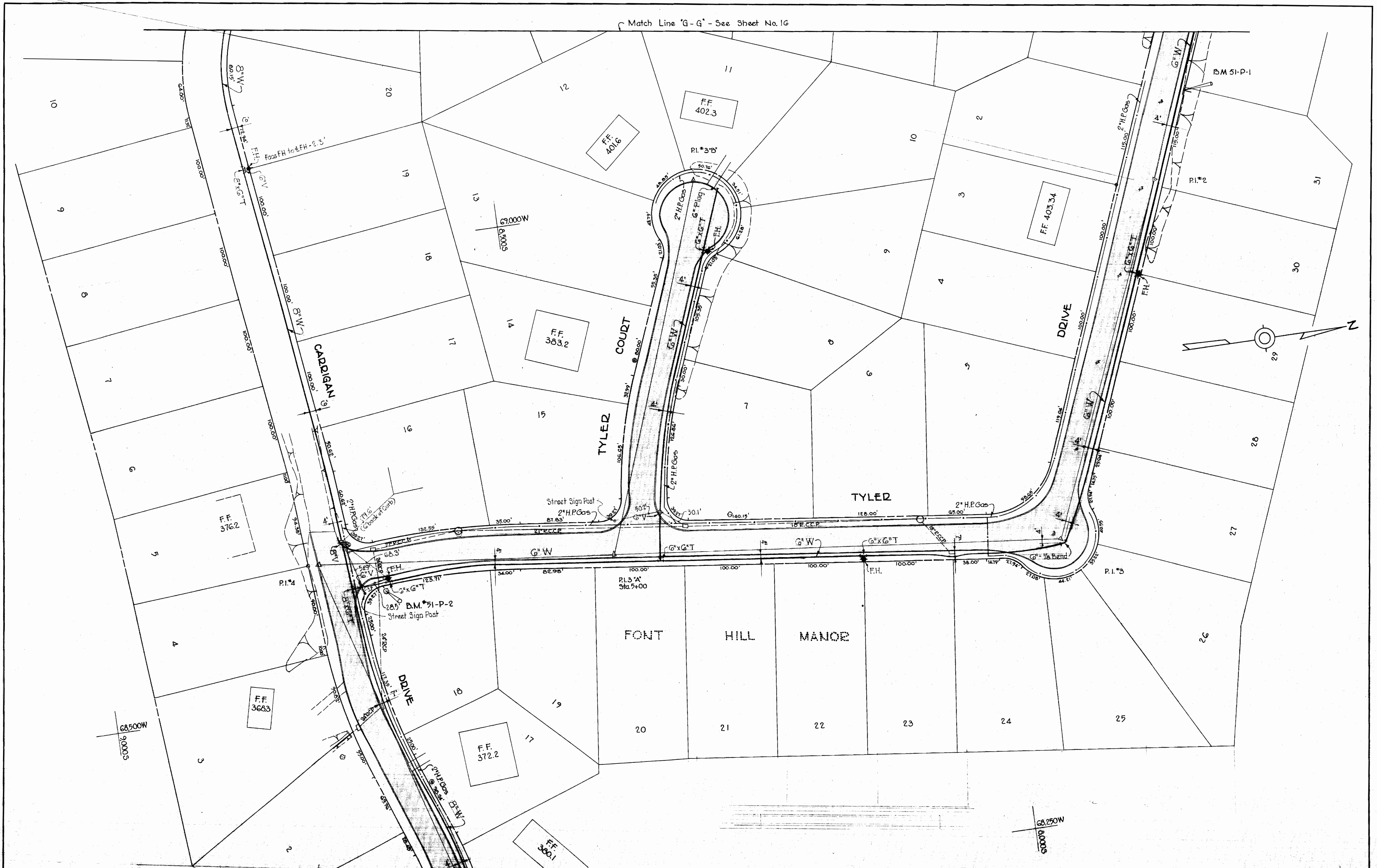
DRAWING NO. 14 OF 34  
 SCALE 1"=50'

W.O. 4649

# 67557 FINAL 1-6-59



Match Line 'G-G' - See Sheet No. 16



Match Line 'F-F' - See Sheet No. 14

AS BUILT

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 11 W	PLAN OF WATER MAIN EXTENSIONS	ELICOTT CITY SUB-DISTRICT	DRAWING NO. 15 OF 34	SCALE 1" = 50' 9 SW 46,47
---	---	-------------------	----------------------------------	---------------------------	----------------------------	---------------------------------

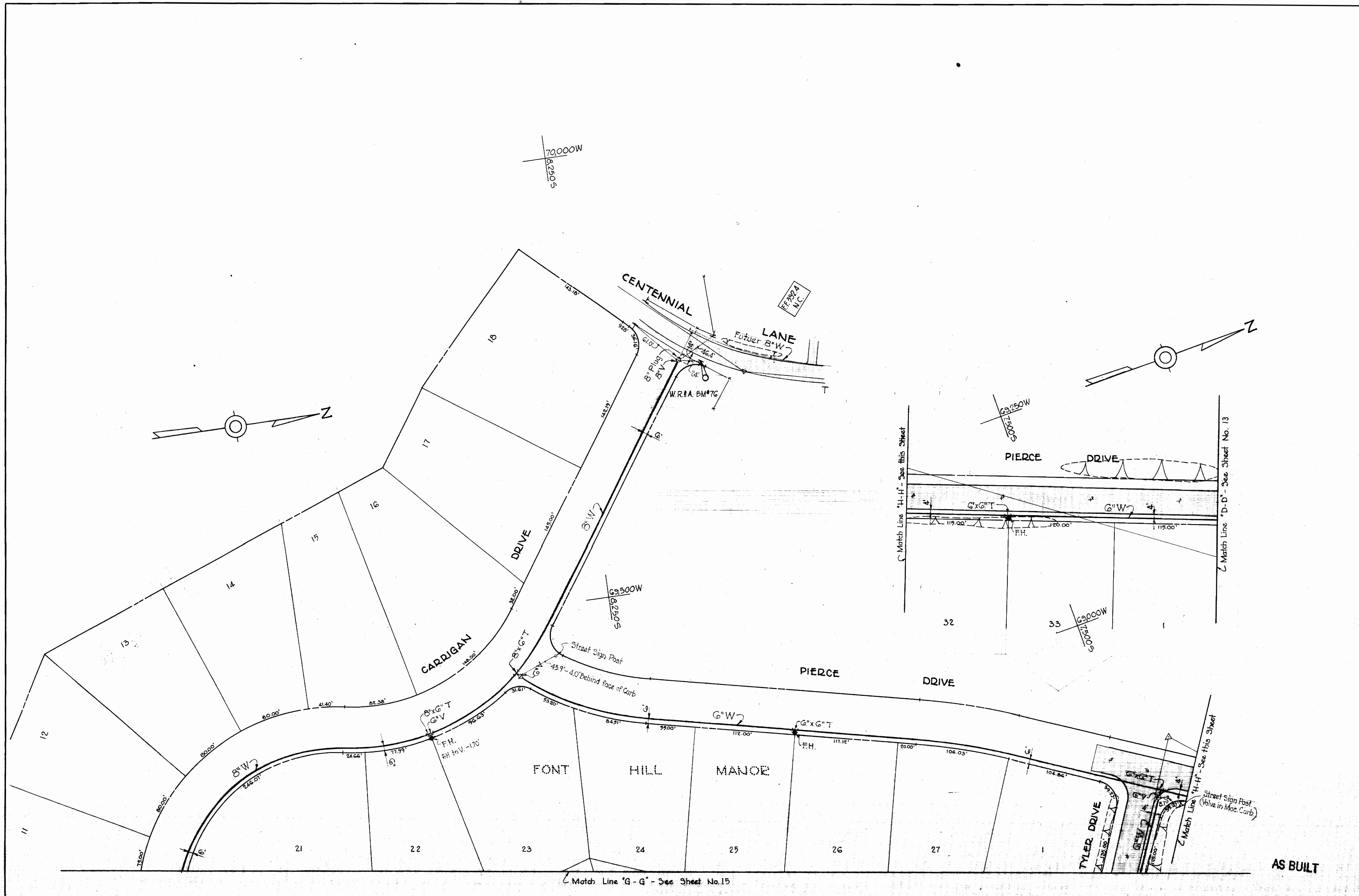
W.O. 4649 F.B. 2360

F.B. 2357 FINAL 7-16-59

WS 11/11/15



WS 11W/16



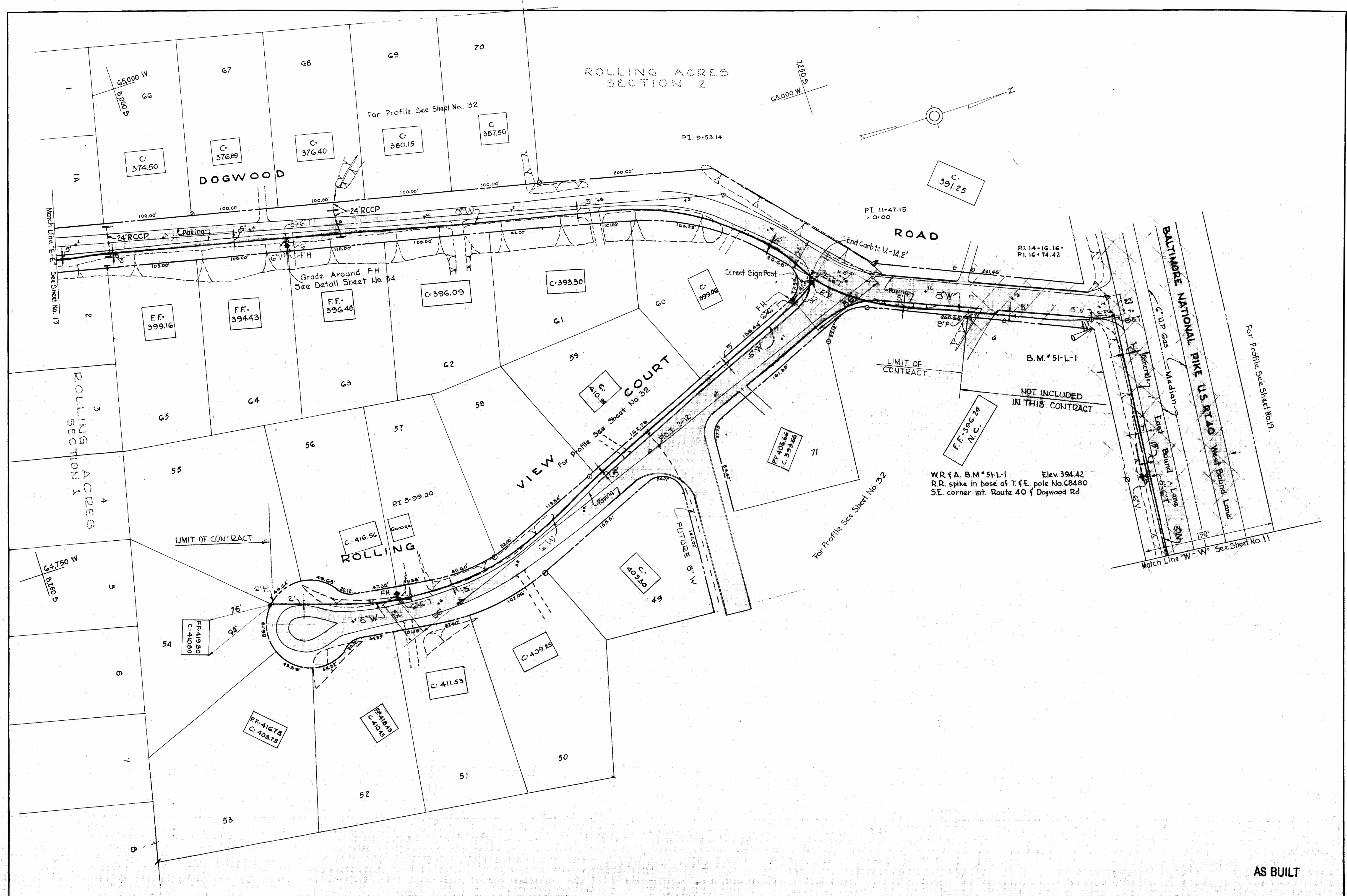
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 11W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 16 OF 34	SCALE 1" = 50' 9 SW 46.47
---	---	------------------	----------------------------------	----------------------------	----------------------------	---------------------------------

W.O. 4649 F.B. 2360

FINAL T.C. 53

LE





AS BUILT

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 11 W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 17 OF 34	SCALE 1"=50'
---	---	-------------------	----------------------------------	----------------------------	----------------------	--------------

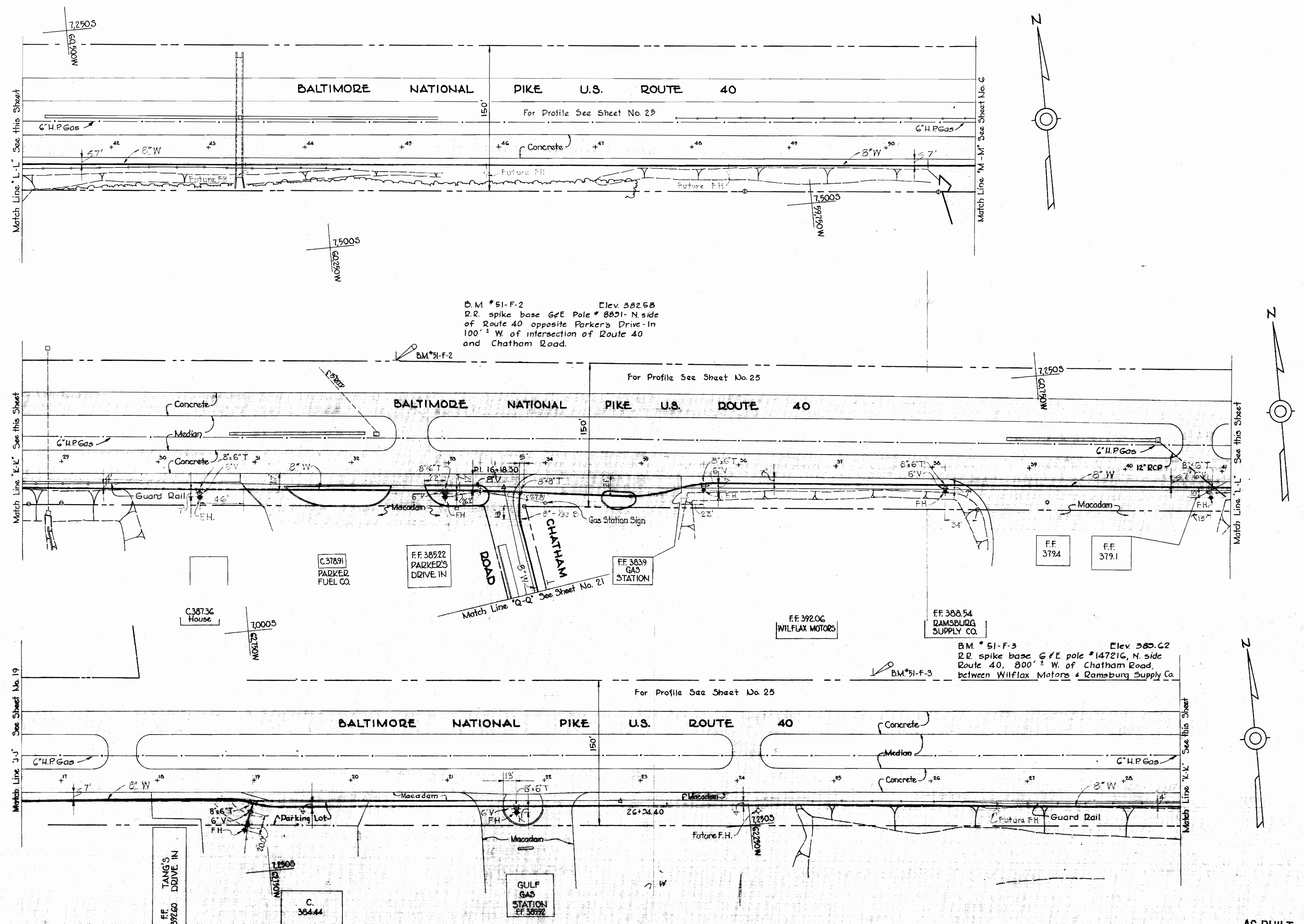
WD. 4649

FINAL 7-6-59

11/11/17 SM



WS 11W/18



B.M. 51-F-2 Elev. 382.58  
 R.R. spike base G/E Pole # 8821 N. side  
 of Route 40 opposite Parker's Drive-In  
 100' ± W. of intersection of Route 40  
 and Chatham Road.

B.M. 51-F-3 Elev. 380.22  
 R.R. spike base G/E pole # 14721G, N. side  
 Route 40, 800' ± W. of Chatham Road,  
 between Wilflax Motors & Ramsburg Supply Co.

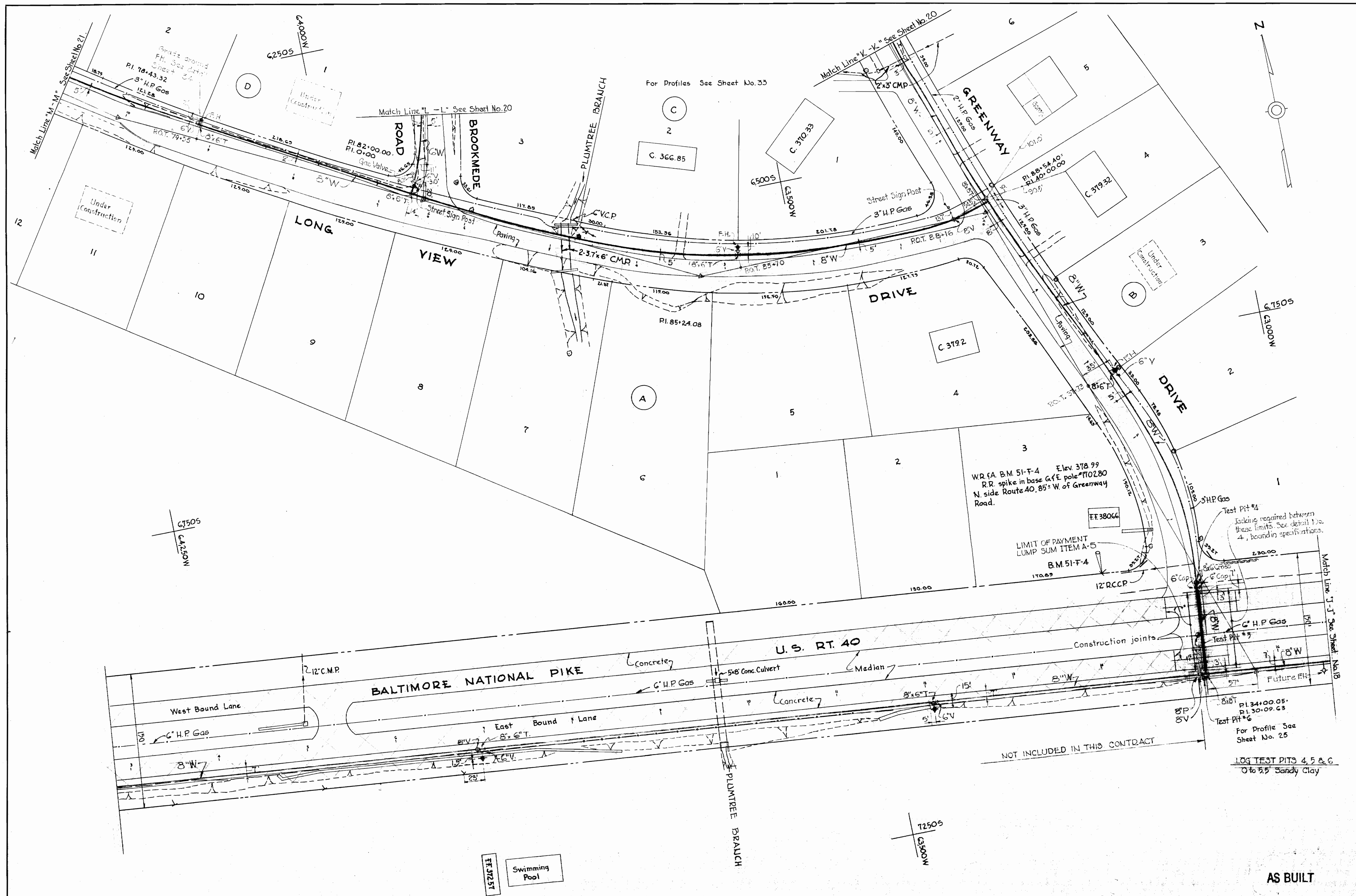
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 11 W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 16 OF 34 SCALE 1" = 50' 3.5W 42.41.42
---	---	-------------------	----------------------------------	----------------------------	---

W.O. 4649 F.B. 2176

FINAL 7-6-59



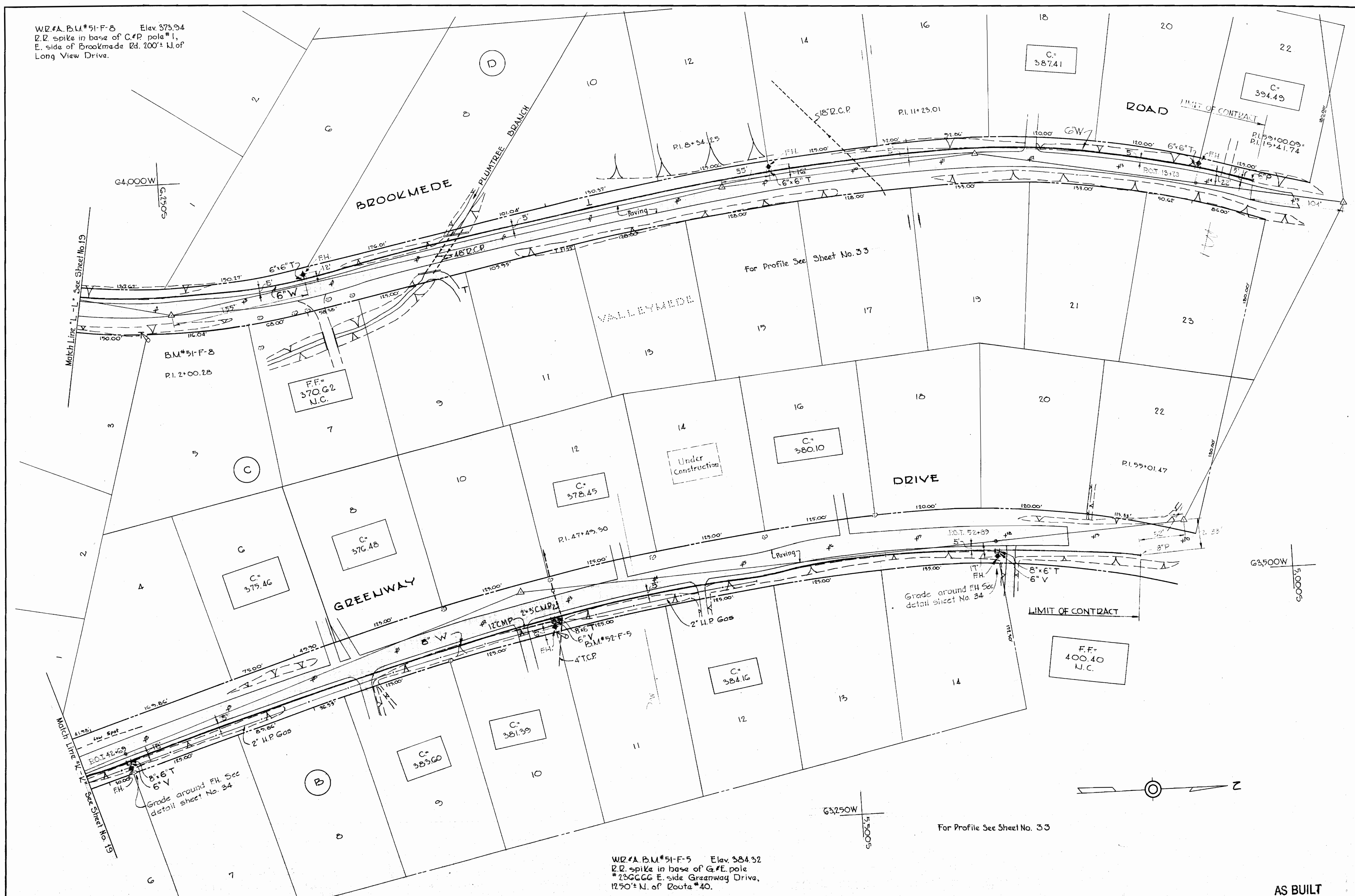
61/111 SM



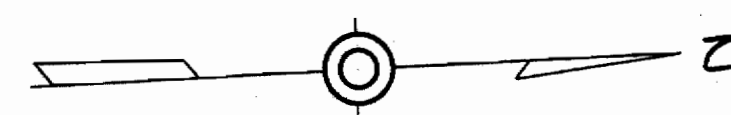
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 DATE	CONTRACT NO. 11 W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 19 OF 34 SCALE 1"=50' 8 SW 43 7 SW 43
---	---	-------------------	----------------------------------	----------------------------	--



W.D.#A.B.M.#51-F-8 Elev. 373.94  
 R.R. spike in base of C.P. pole #1,  
 E. side of Brookmeade Rd. 200'± N. of  
 Long View Drive.



W.D.#A.B.M.#51-F-5 Elev. 384.32  
 R.R. spike in base of G.P. pole  
 #23GGG E. side Greenway Drive,  
 1250'± N. of Route #40.



AS BUILT

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

HOWARD COUNTY METROPOLITAN COMMISSION

July 2, 1959  
 DATE

*Carl W. Meyer*  
 CHAIRMAN

CONTRACT NO. 11 W

PLAN OF  
 WATER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

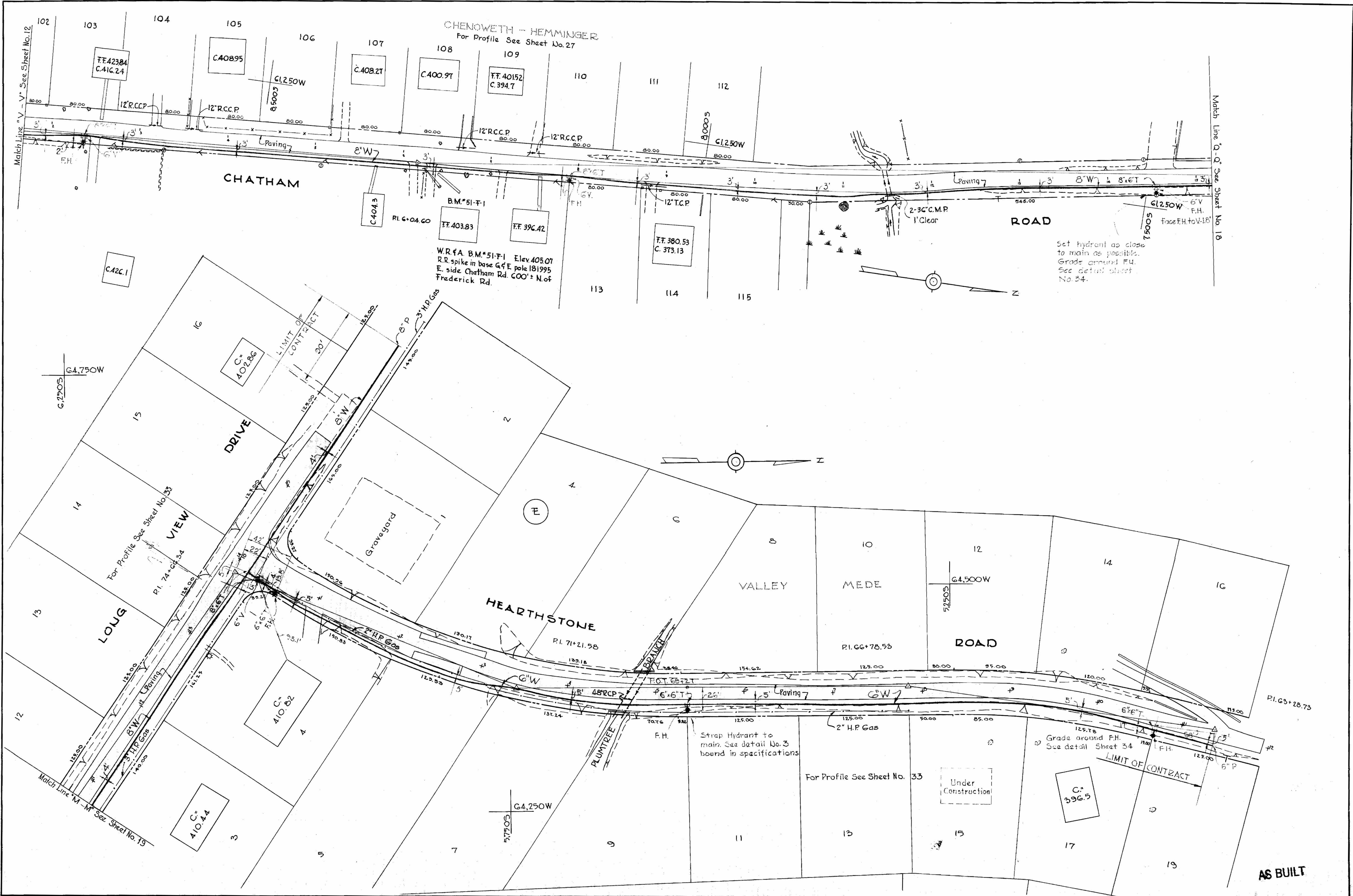
DRAWING  
 NO. 20  
 OF 34

SCALE  
 1"=50'

6.7 9W 43

WS 11W/20 SM





CHENOWETH - HEMMINGER  
For Profile See Sheet No. 27

W.R.F.A. B.M.\*51-F-1 Elev. 405.07  
R.R. spike in base of E pole 181995  
E. side Chatham Rd. 000'± N. of  
Frederick Rd.

Set hydrant as close  
to main as possible.  
Grade around F.H.  
See detail sheet  
No. 34.

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

HOWARD COUNTY METROPOLITAN COMMISSION  
July 2, 1959  
DATE

CONTRACT NO. 11 W

PLAN OF  
WATER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

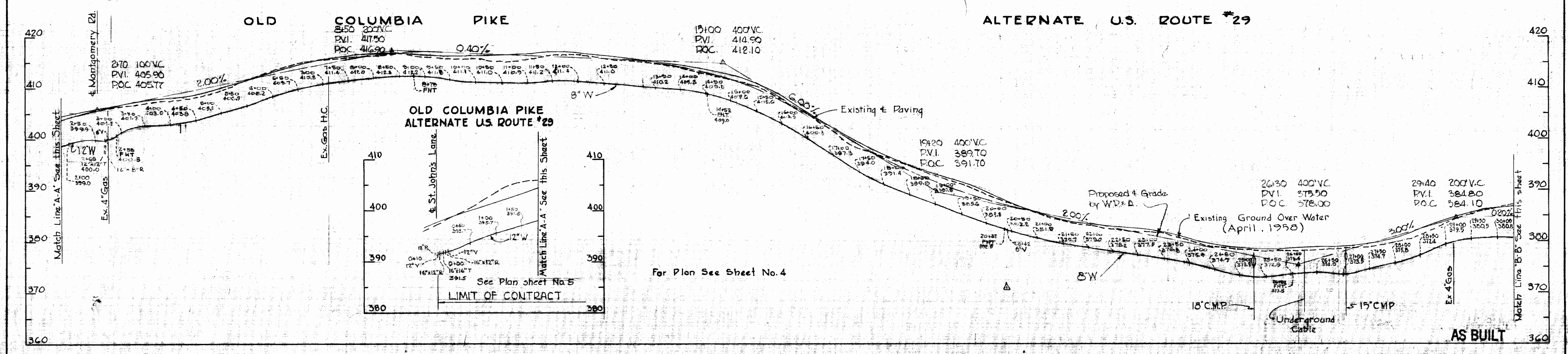
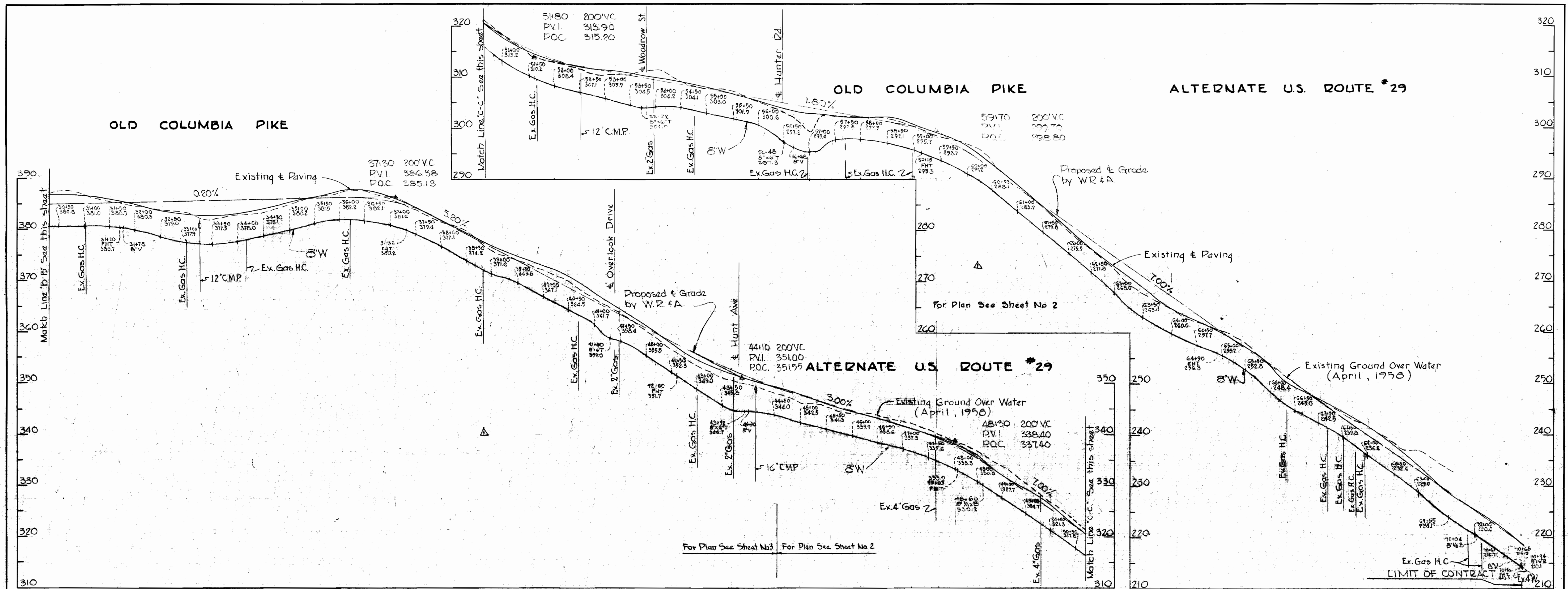
DRAWING  
NO. 21  
OF 34  
SCALE  
1"=50'

W.O. 4649

FINAL 7-6-59

12/11/21  
NS





WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 DATE	CONTRACT NO. 11 W	PROFILES OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	A Revised Dec. 18, 1959 Profile stations revised from 1420 to 10+00
					DRAWING NO. 22 OF 34

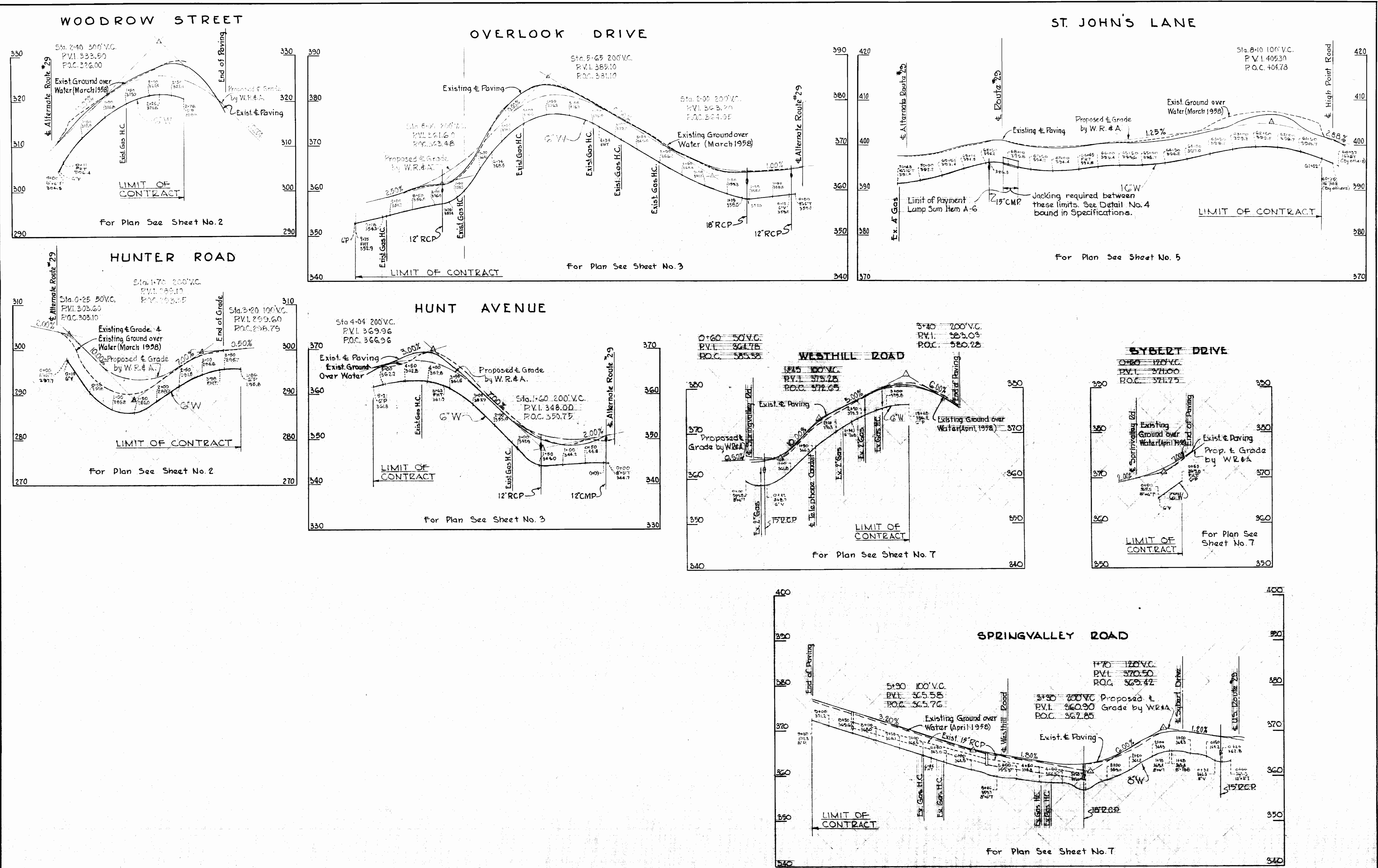
W.O. 4647

FINAL T-6-59

WS 11W/22



WS 11/11/23



AS BUILT

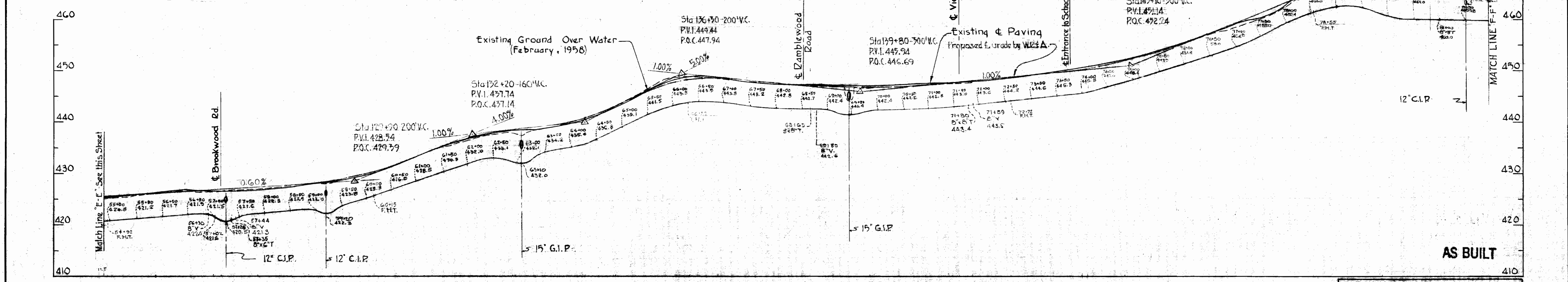
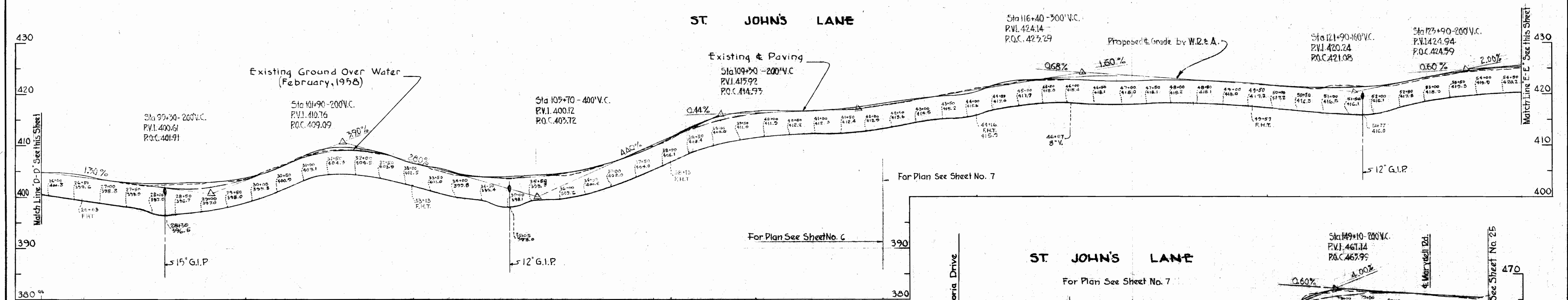
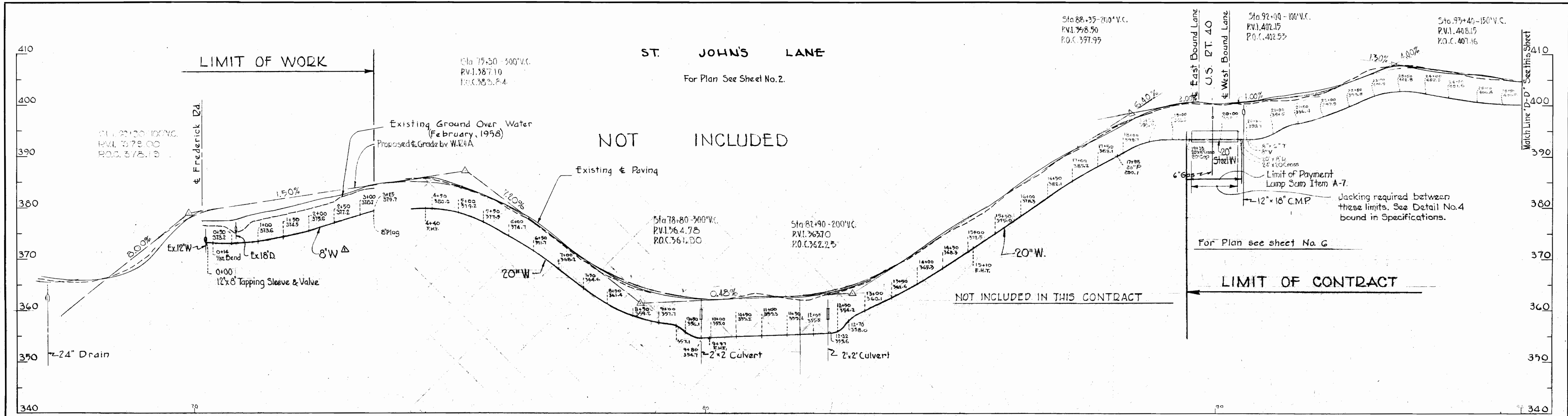
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 11 W	PROFILES OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 23 OF 34 SCALE: H-1"=100' V-1"=10'
---	---	-------------------	--------------------------------------	----------------------------	---

W.O. 4649

FINAL 7-6-59



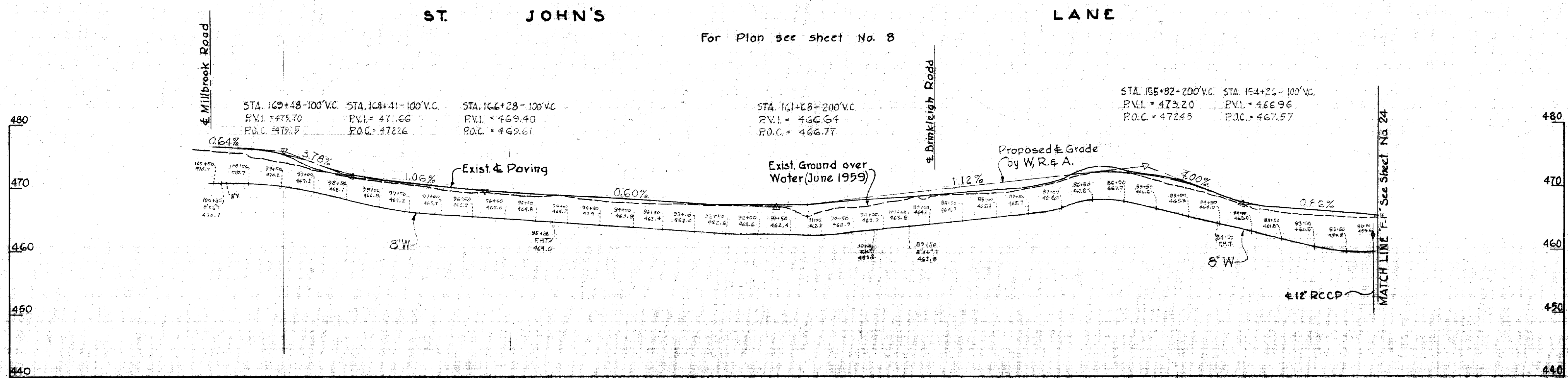
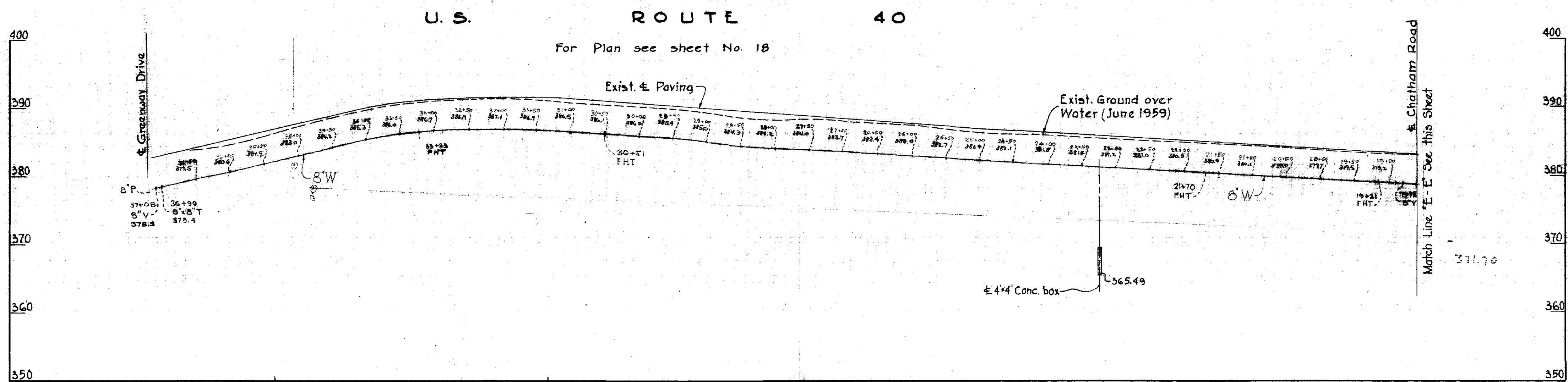
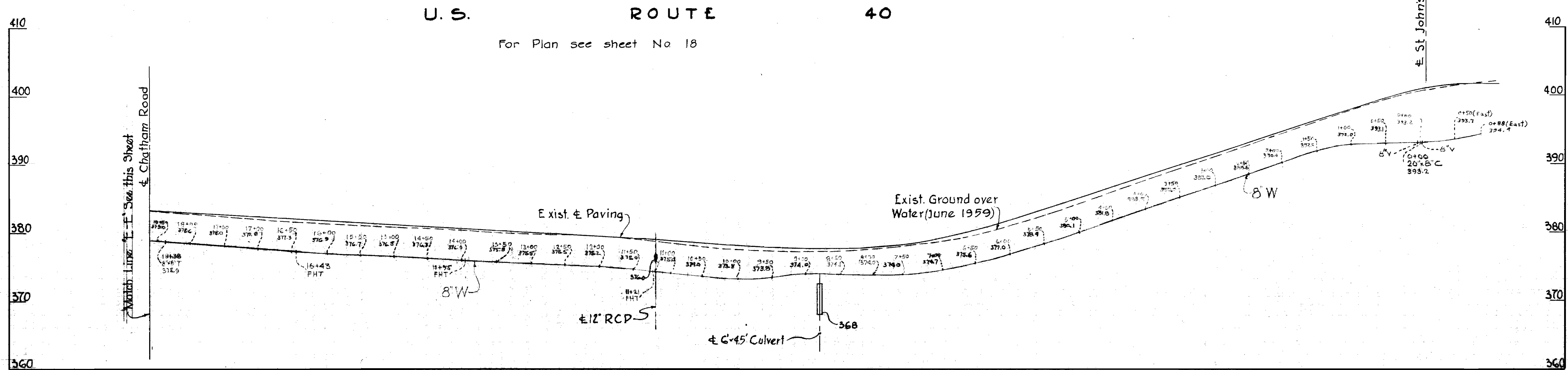
WS 11/11/24



Revised 11-20-1959  
325' B.W. added East Side St. John's Lane

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 DATE	CONTRACT NO. 11 W Chairman	PROFILES OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 24 OF 34	SCALE H-1"=100' V-1"=10'
					W.O. 4649	FINAL 7-6-59





AS BUILT

<b>WHITMAN, REQUARDT &amp; ASSOCIATES</b> ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	<b>HOWARD COUNTY METROPOLITAN COMMISSION</b> July 2, 1959 DATE	CONTRACT NO. <b>11 W</b>	<b>PROFILES OF WATER MAIN EXTENSIONS</b>	<b>ELLCOTT CITY SUB-DISTRICT</b>	<b>DRAWING NO. 25 OF 34</b>	<b>SCALE</b> H-1"=100' V-1"=10'
--	--	--------------------------	--	----------------------------------	-----------------------------	---------------------------------------

W.O. 4649

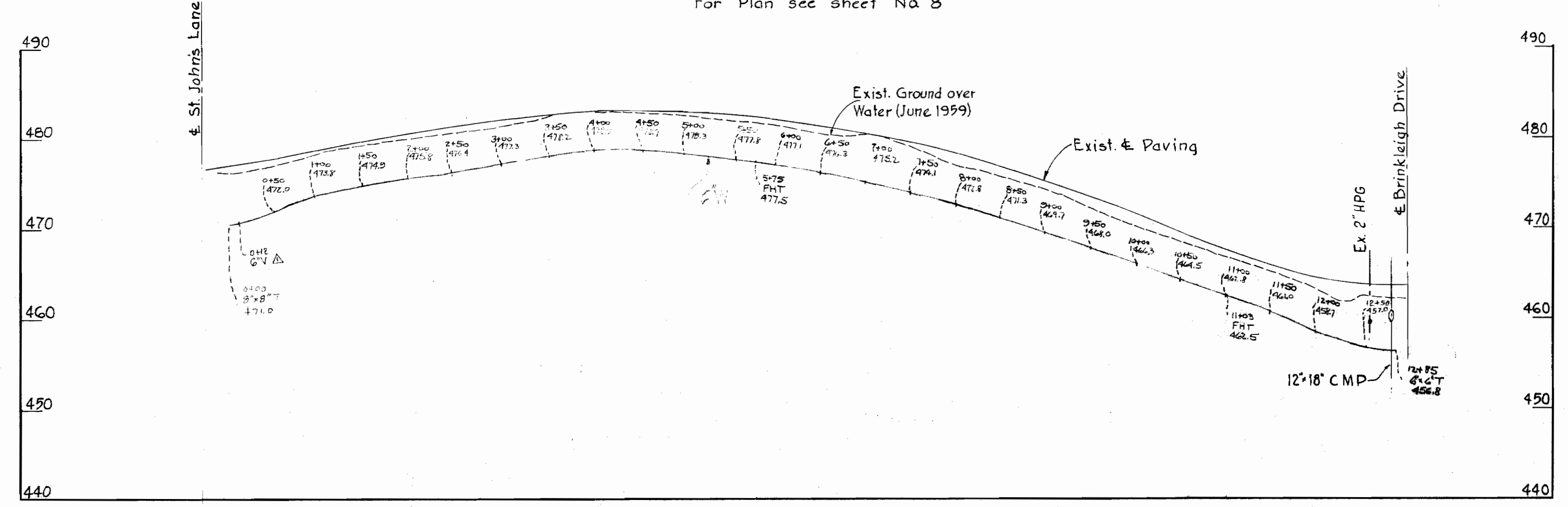
FINAL 7-6-59

WS 11W/25



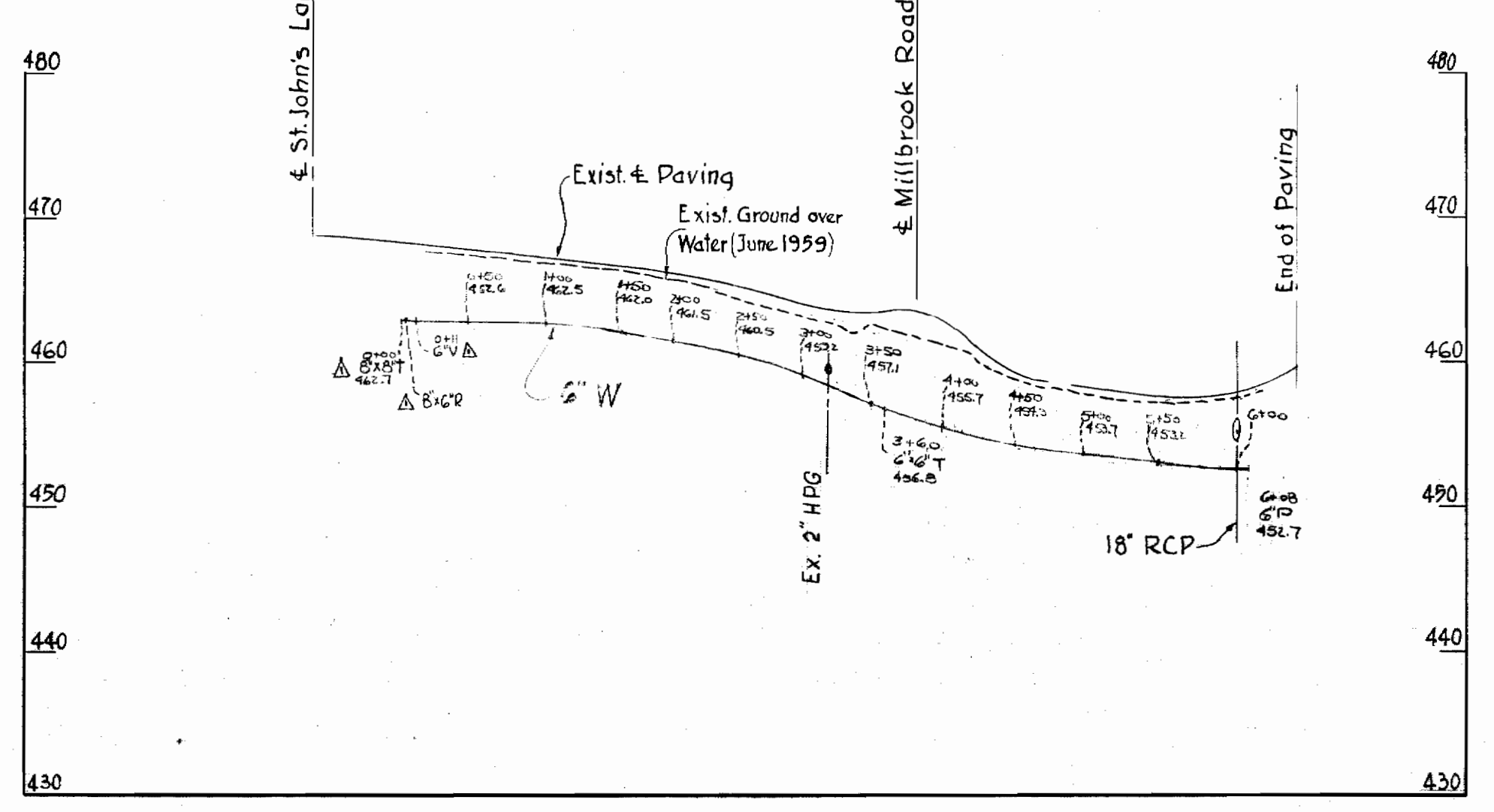
MILLBROOK ROAD

For Plan see sheet No 8



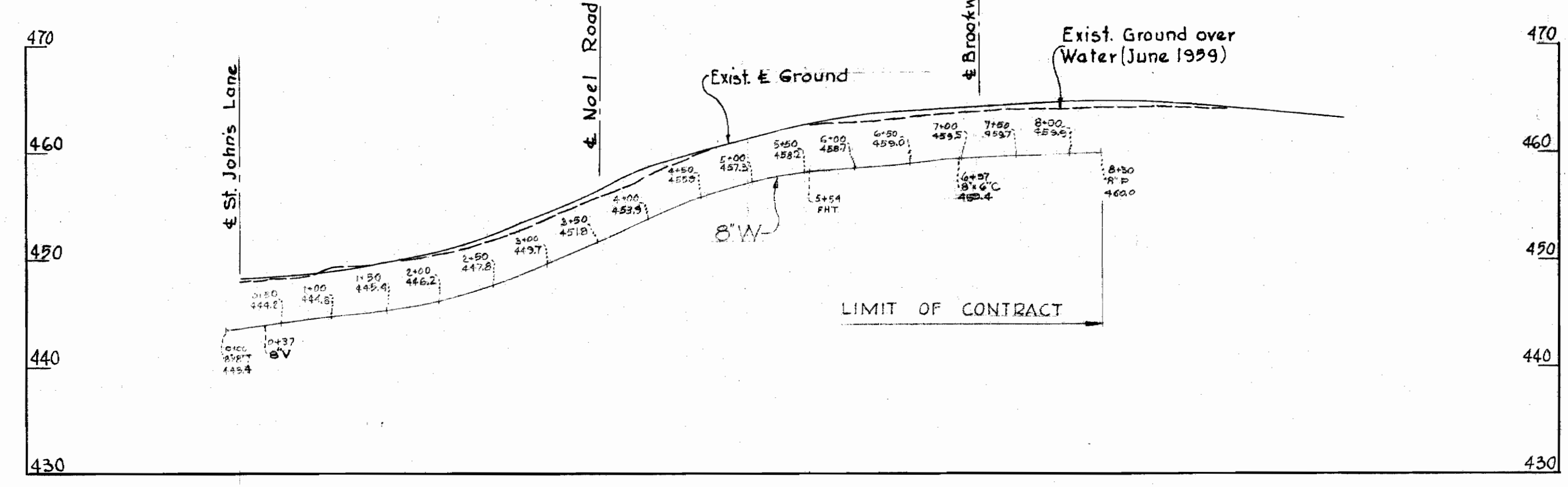
BRINKLEIGH DRIVE

For Plan see sheet No 8



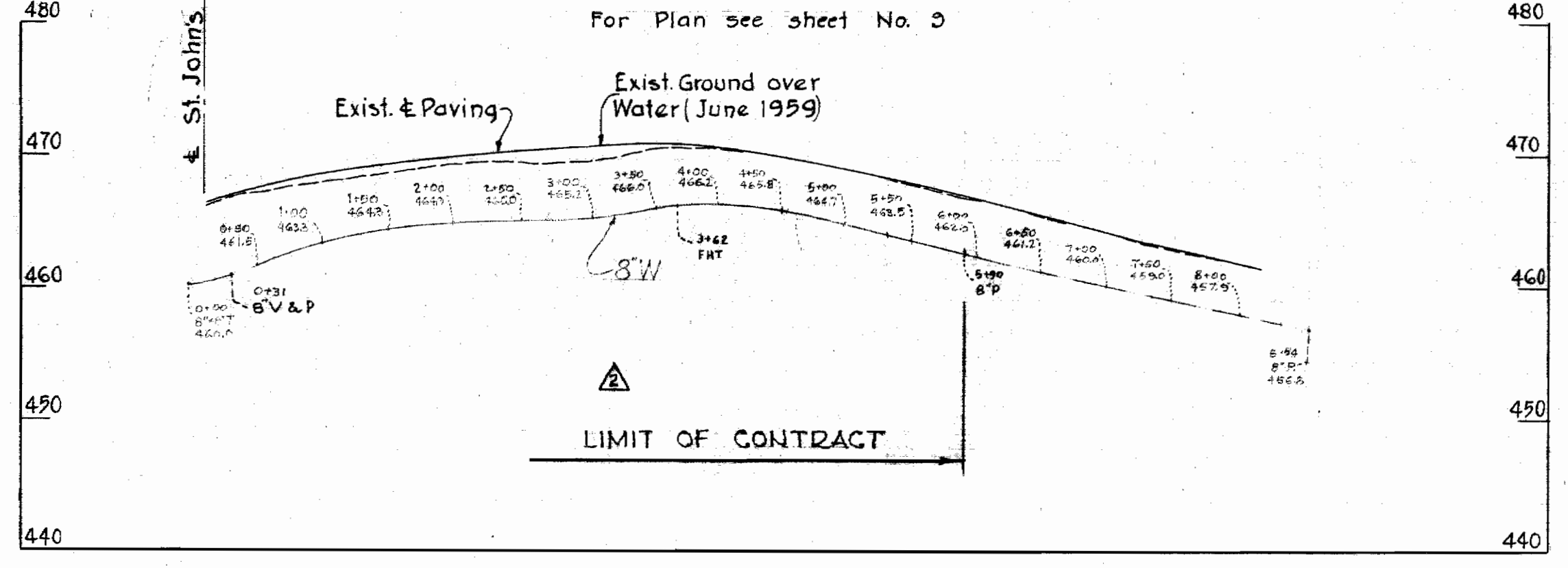
VICTORIA DRIVE

For Plan see sheet No 10



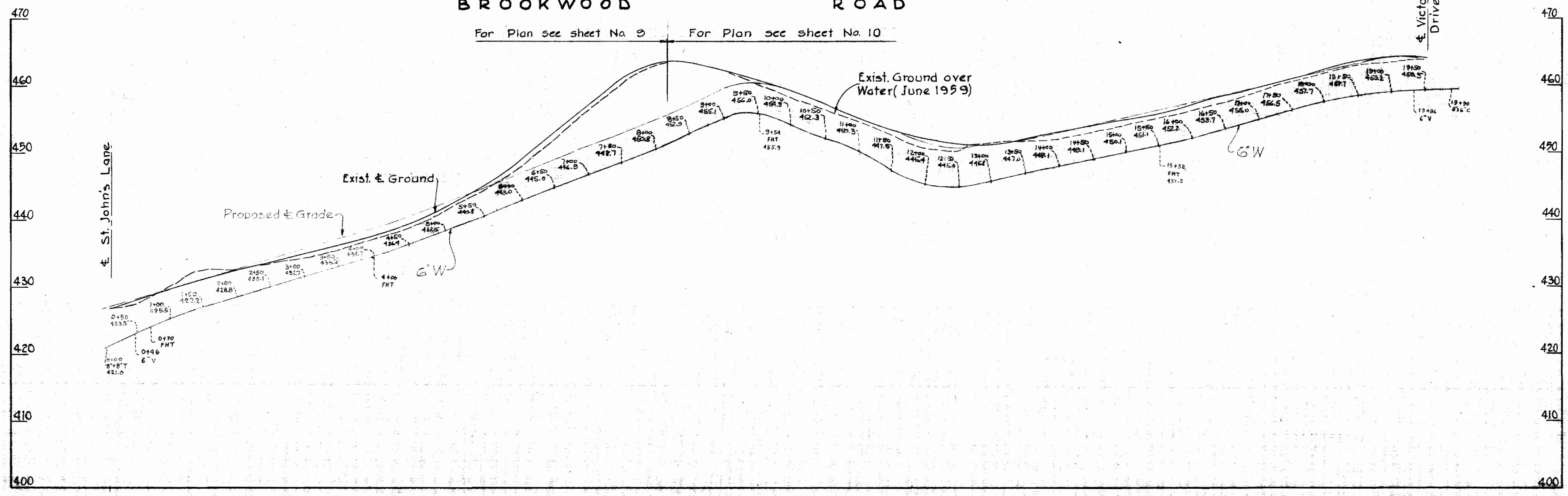
MARYDELL ROAD

For Plan see sheet No 9



BROOKWOOD ROAD

For Plan see sheet No 9 For Plan see sheet No 10



AS BUILT

Revised 12-24-59	8" W in Marydell added.
Revised 10-22-59	2" G.V. added.
	8" x 6" Red added.
	8" x 6" T changed to 6" x 6" T

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

HOWARD COUNTY METROPOLITAN COMMISSION  
July 2, 1959  
DATE

*Paul W. Neeger*  
CHAIRMAN

CONTRACT NO. 11 W

PROFILES OF  
WATER MAIN EXTENSIONS

ELLCOTT CITY SUB-DISTRICT

DRAWING  
NO. 26  
OF 34

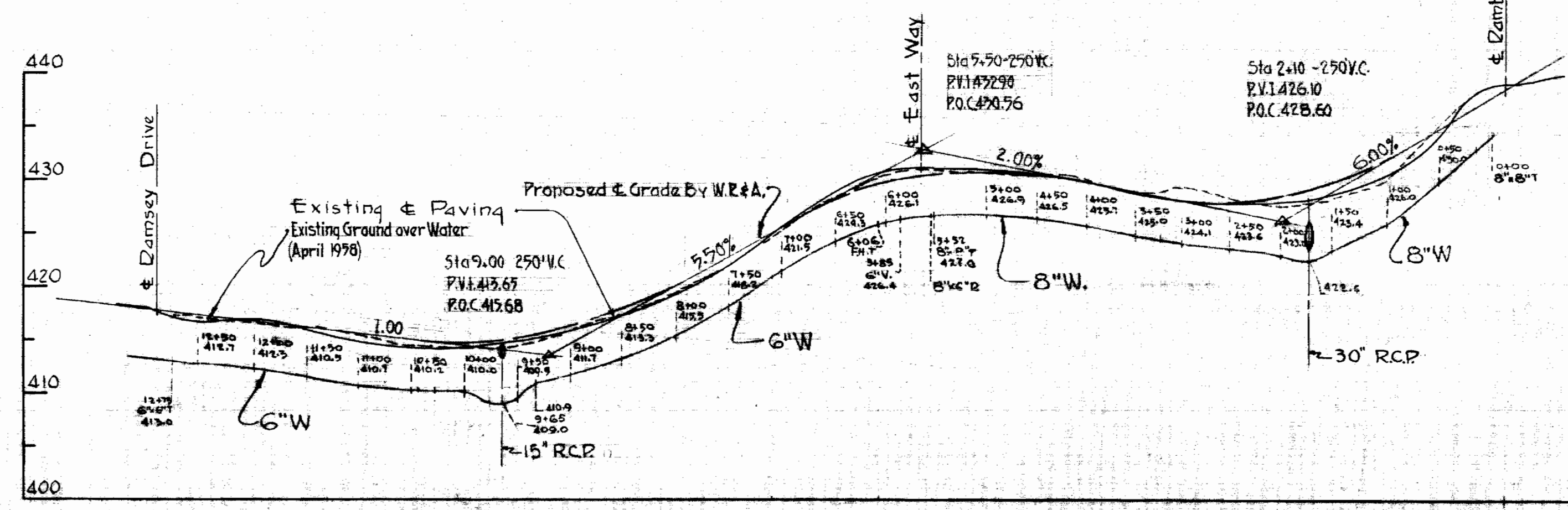
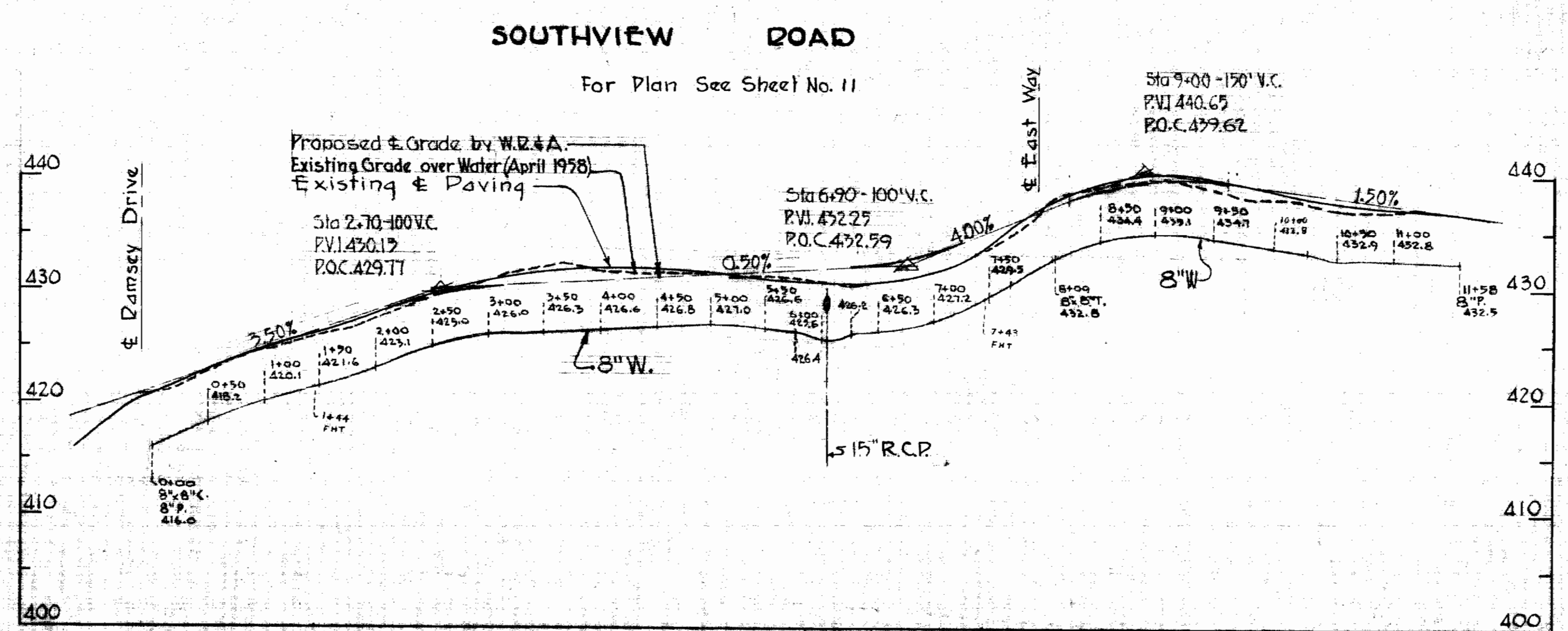
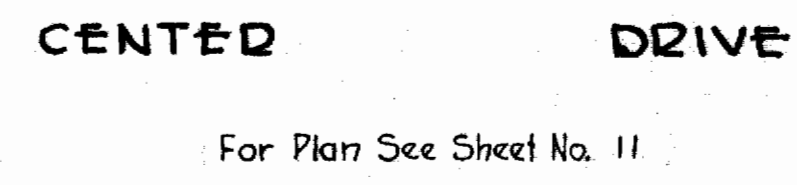
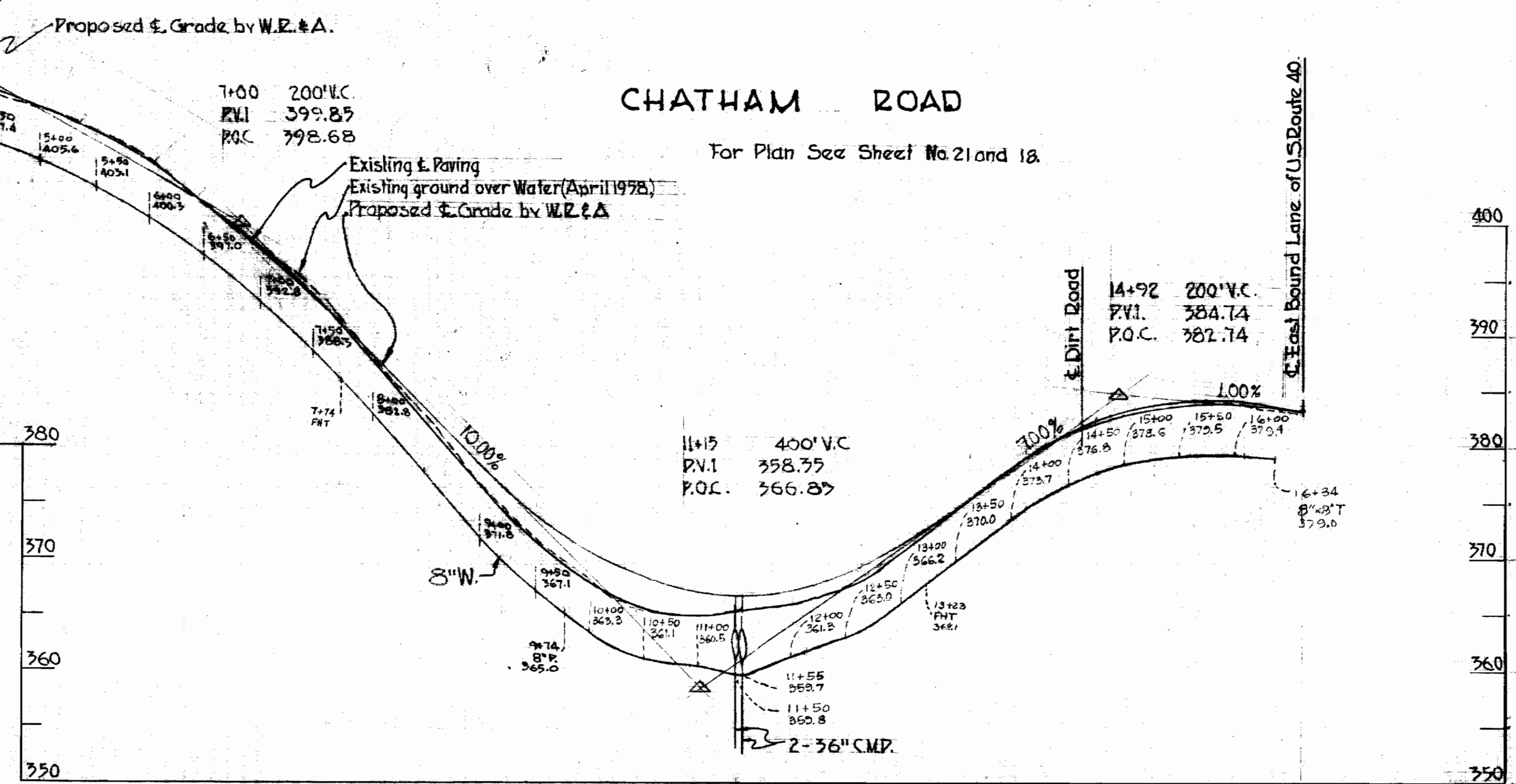
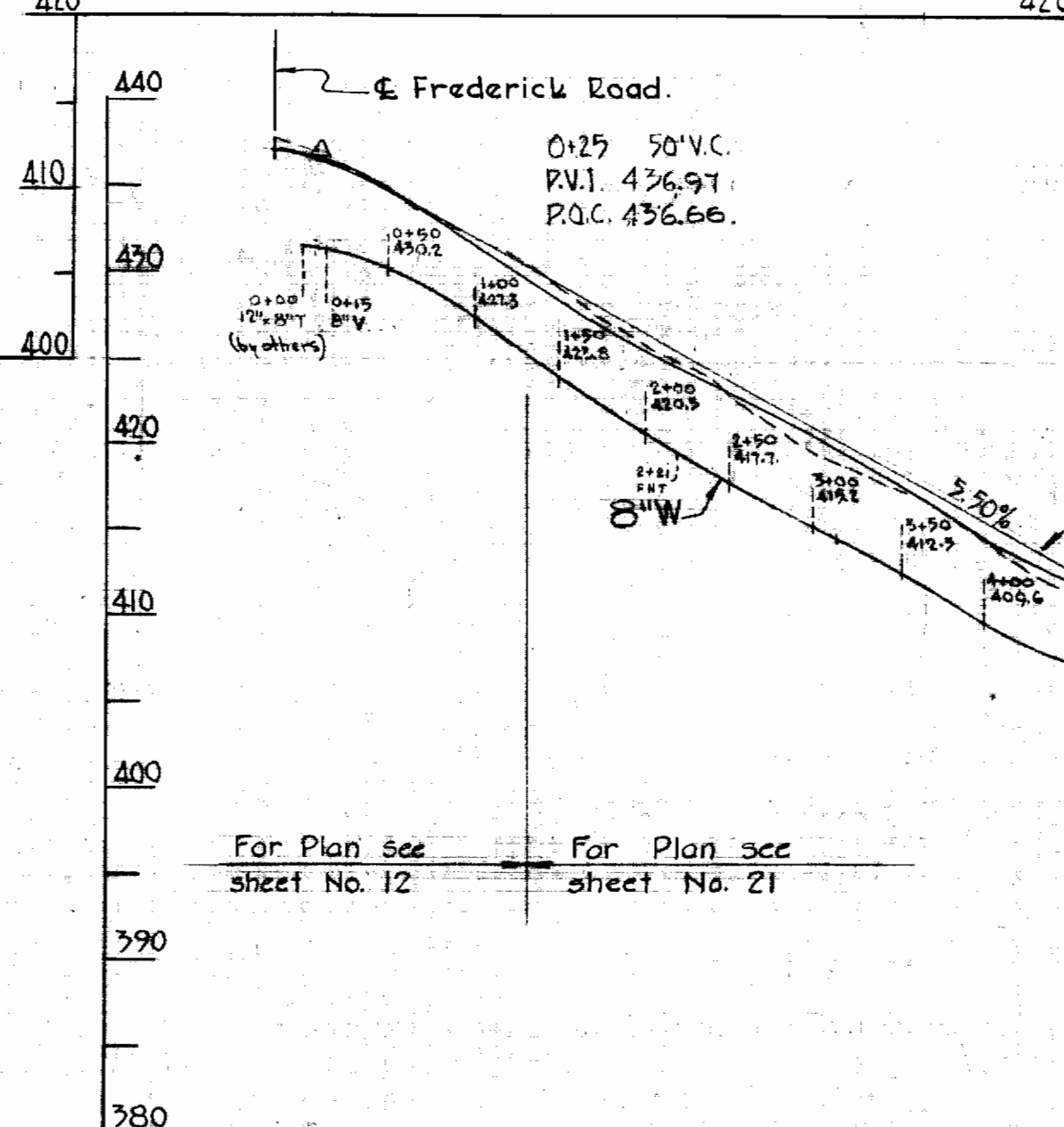
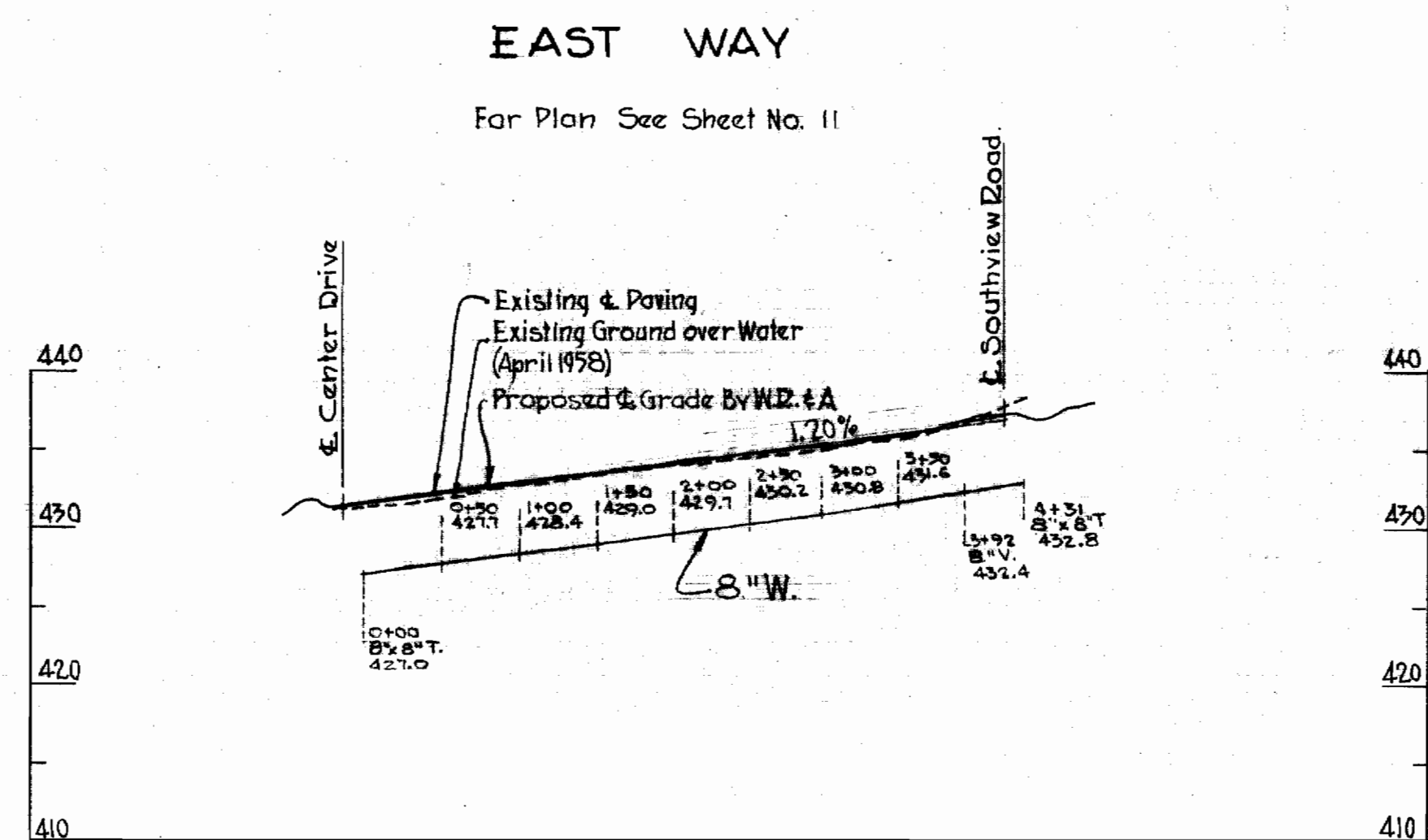
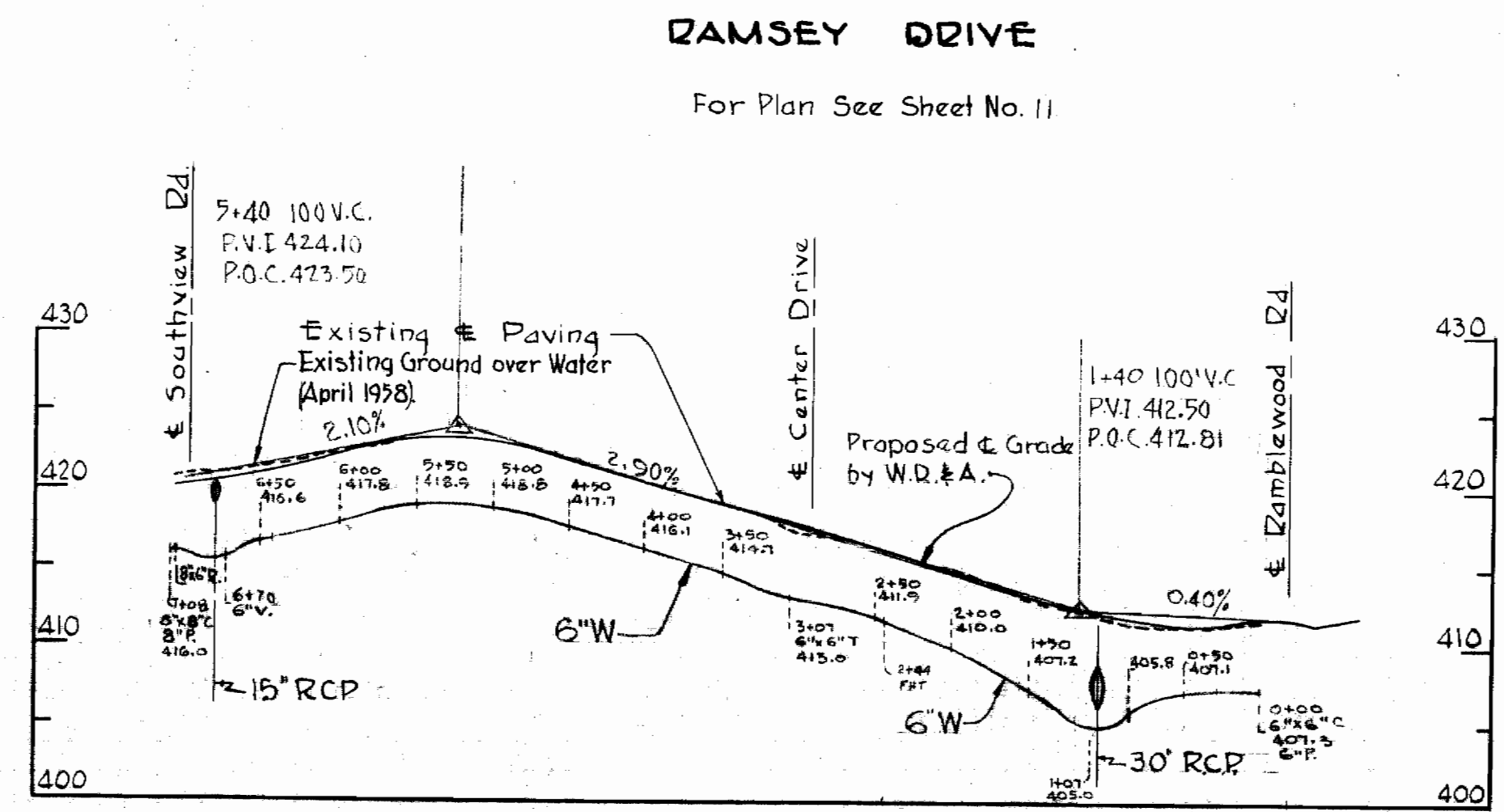
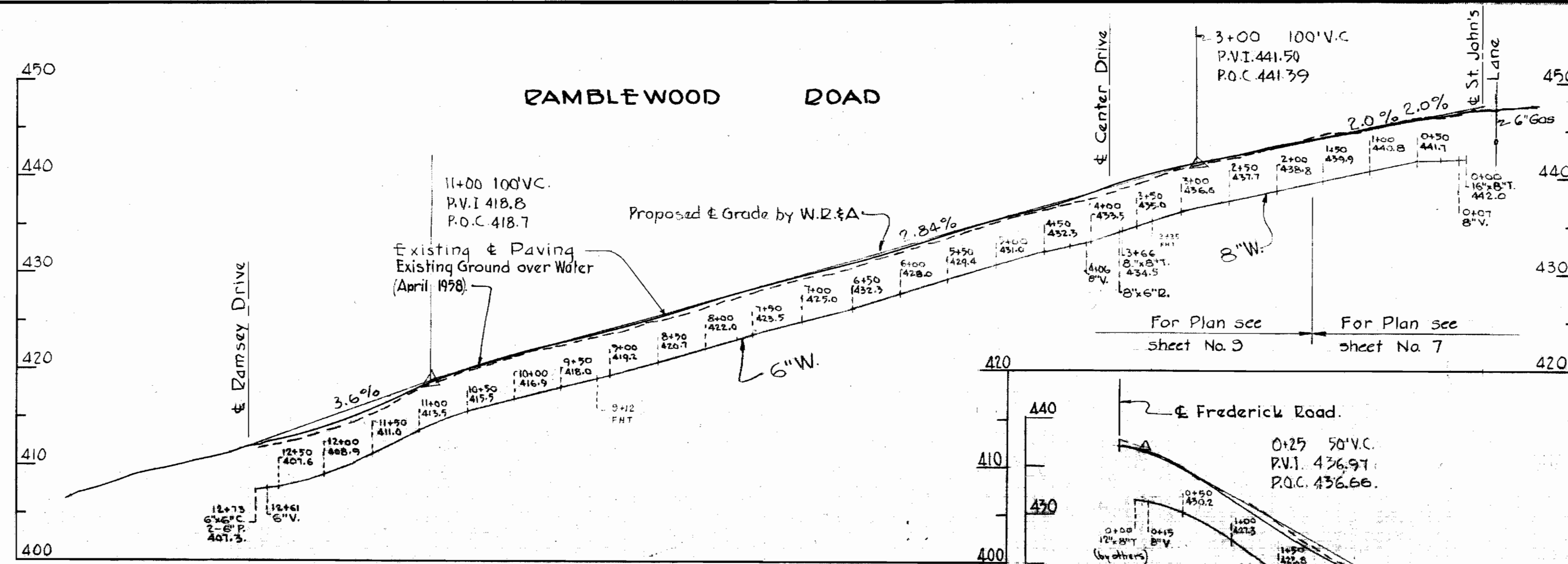
SCALE  
H-1"=100'  
V-1"=10'

W.O. 4649

REVISED 7-23-59  
FINAL T-C-59

WS 11W/26





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

HOWARD COUNTY METROPOLITAN COMMISSION  
July 2, 1959  
DATE

CONTRACT NO. 11 W

PROFILES OF  
WATER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

AS BUILT  
DRAWING NO. 27  
OF 34  
SCALE  
H-1"=100'  
V-1"=10'

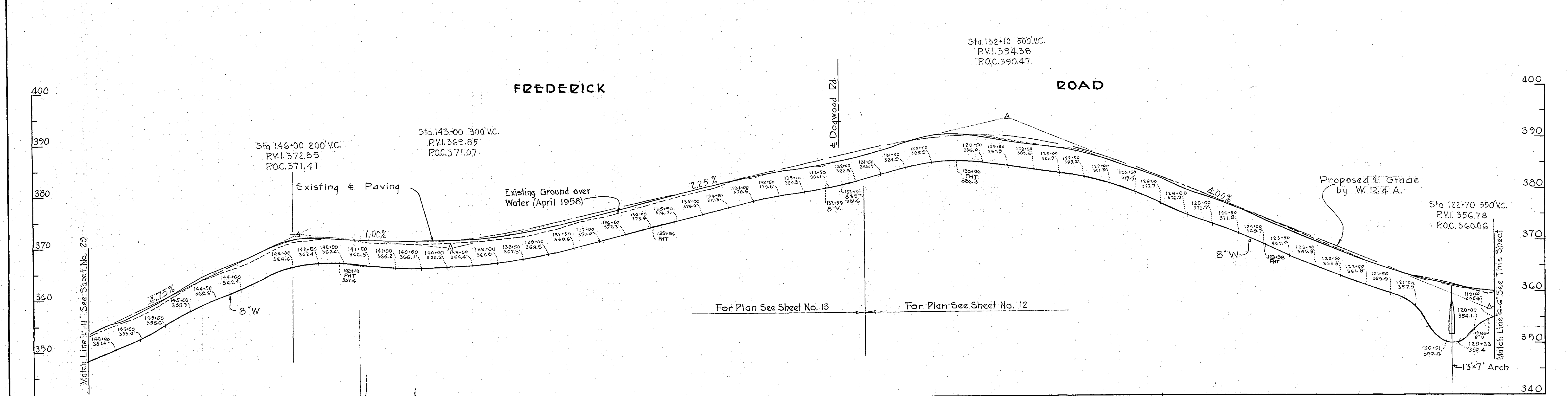
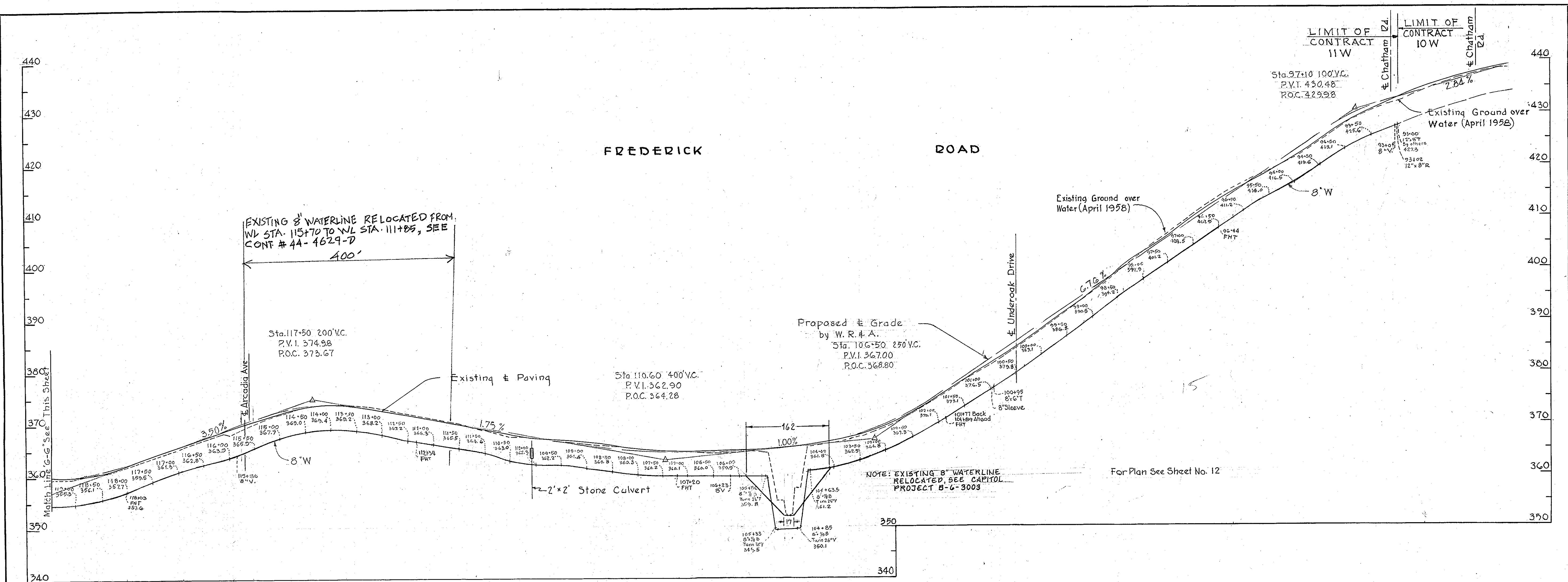
WS 11/1/27

W.O. 4649

FINAL T-6-59



WS 11W/28



REV. DATE	REV. NO.	REV. DESCRIPTION
9-22-09	1	NOTED 8" W FROM STA 117 TO 111 WERE RELOCATED
8-20-84	1	NOTED 8" WATERLINE RELOCATED

AS BUILT

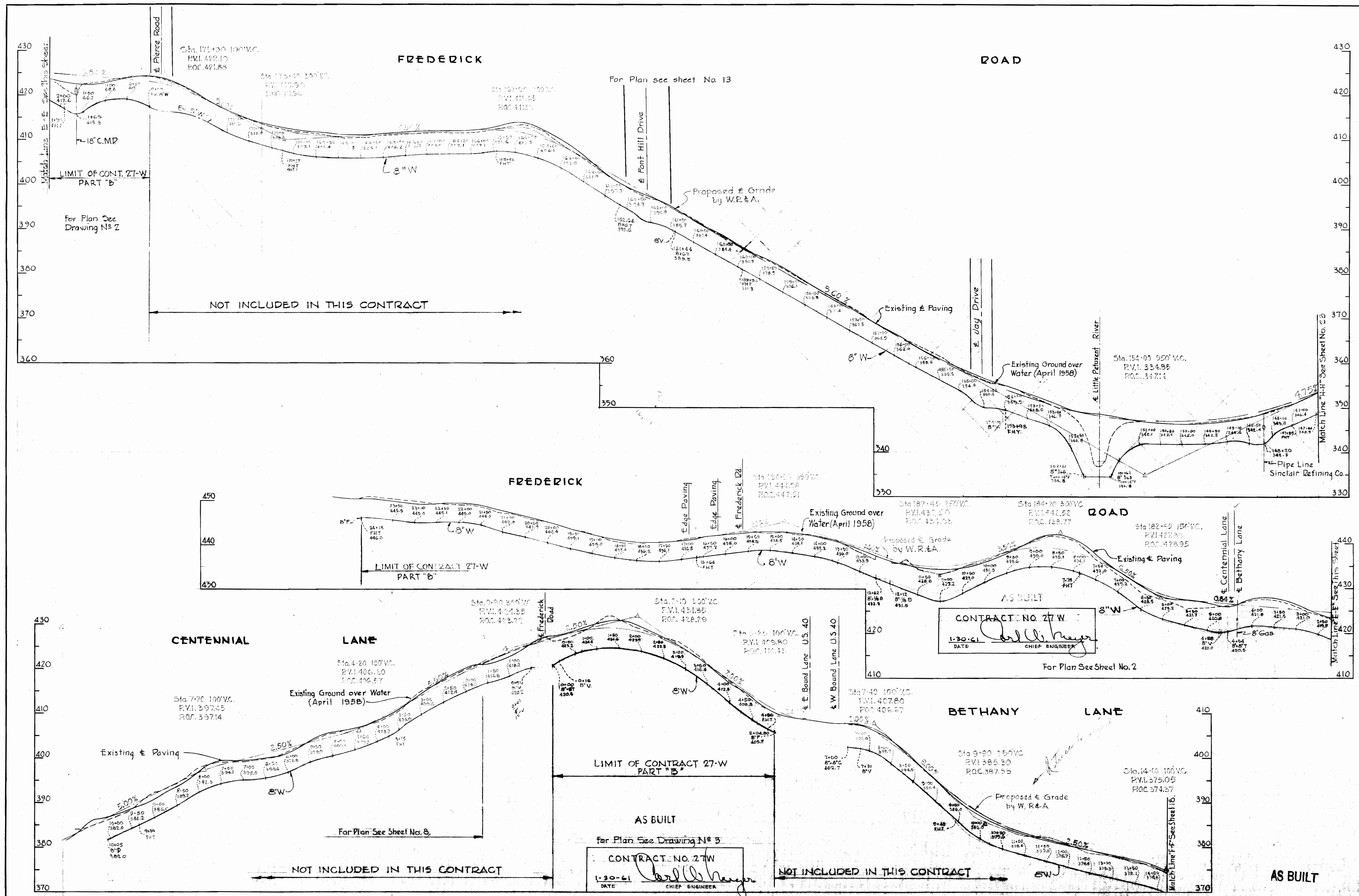
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 DATE <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 11 W	PROFILES OF WATER MAIN EXTENSIONS	ELLCOTT CITY SUB-DISTRICT	DRAWING NO. 28 OF 34	SCALE H-1"=100' V-1"=10'
---	---	-------------------	--------------------------------------	---------------------------	----------------------------	--------------------------------

W.O. 4649

FINAL 7-G-59



WS 11W/29



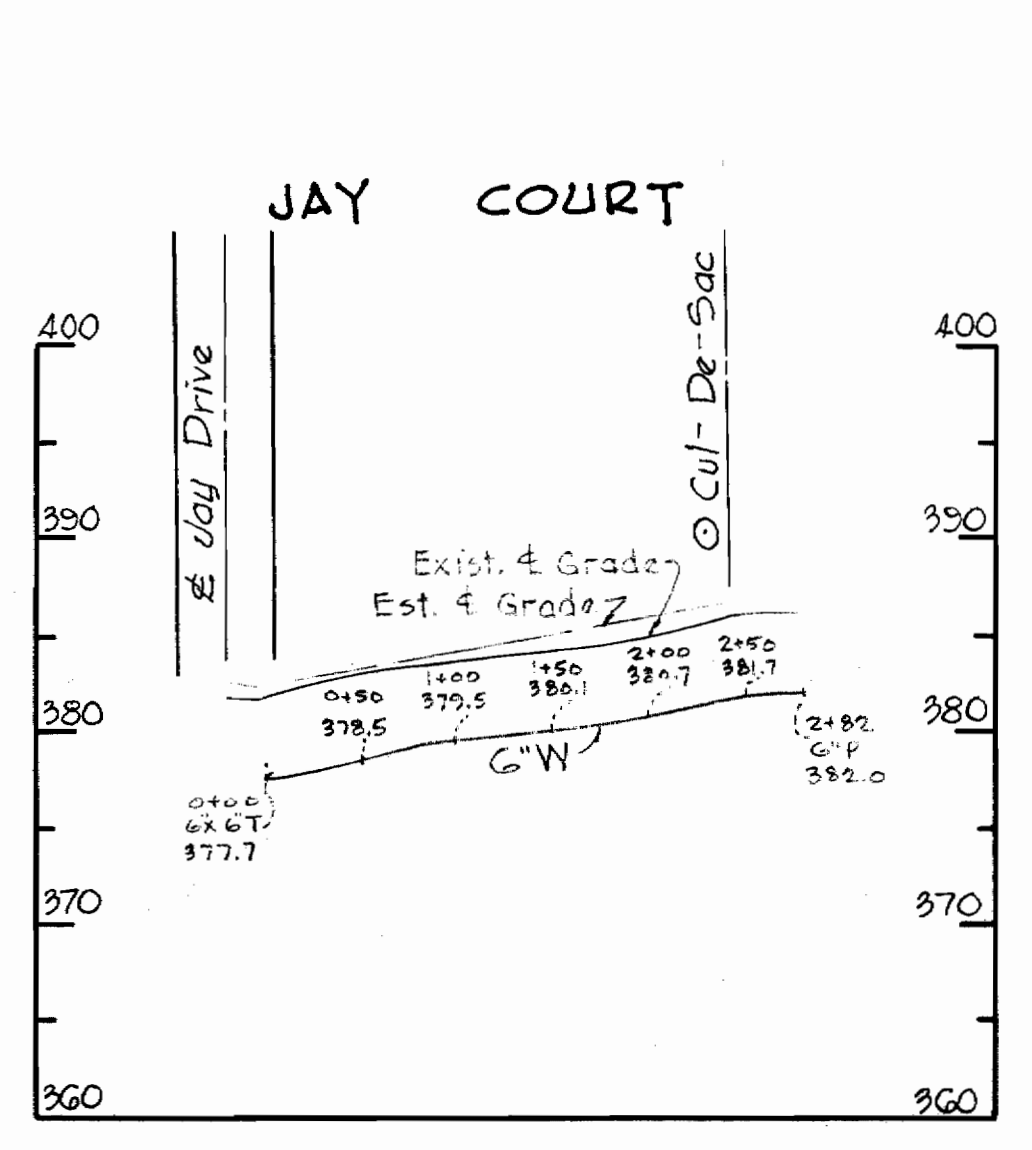
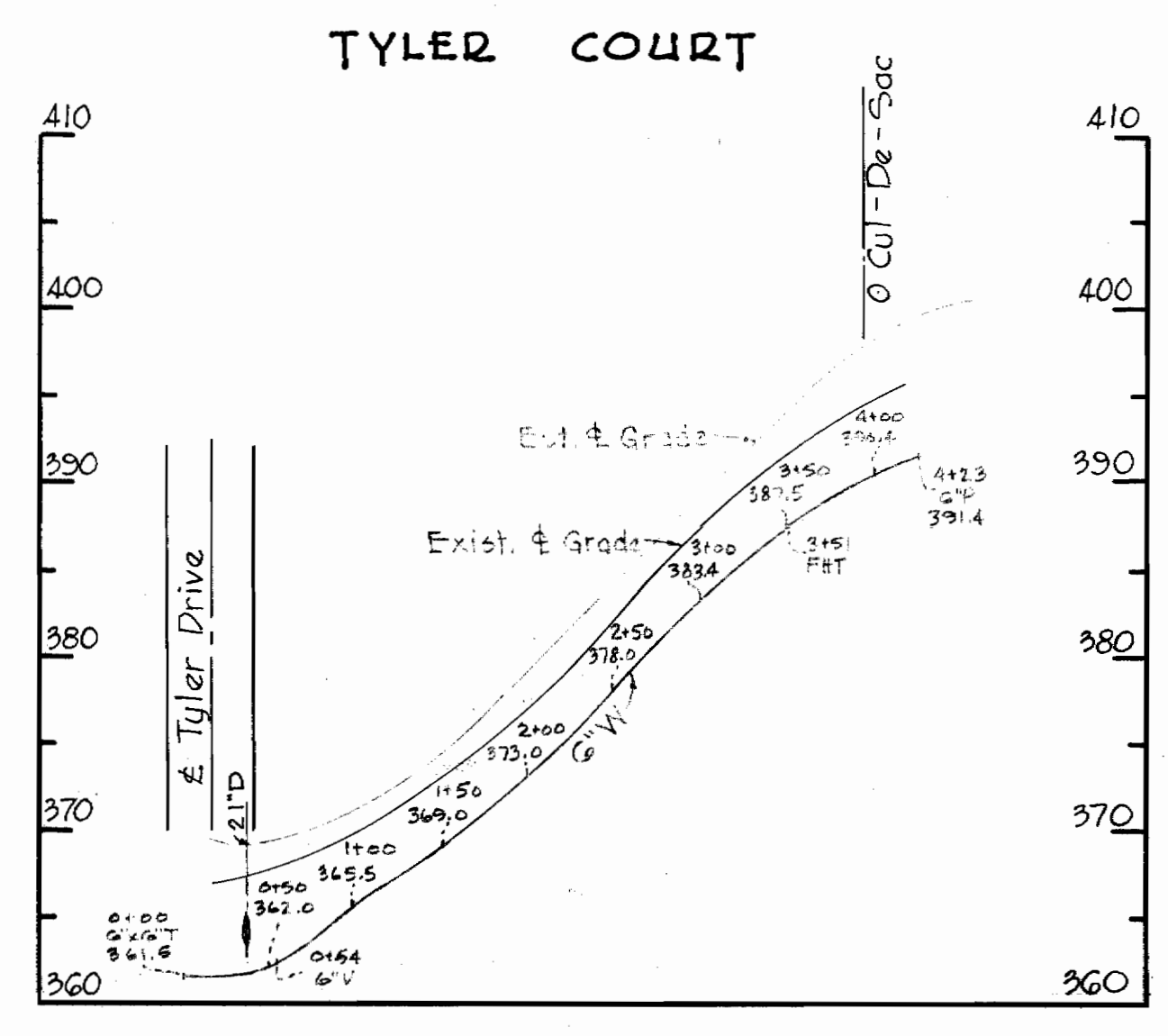
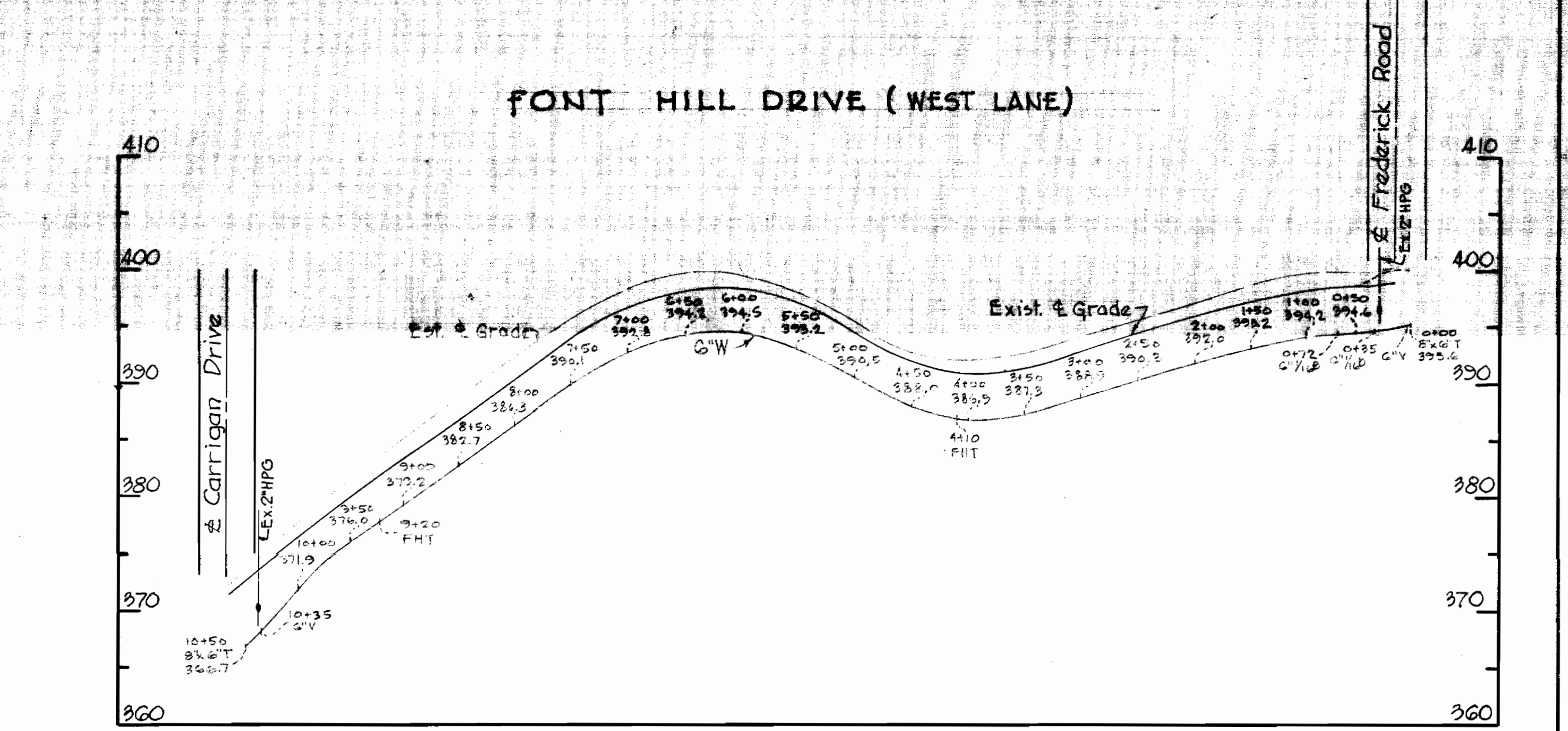
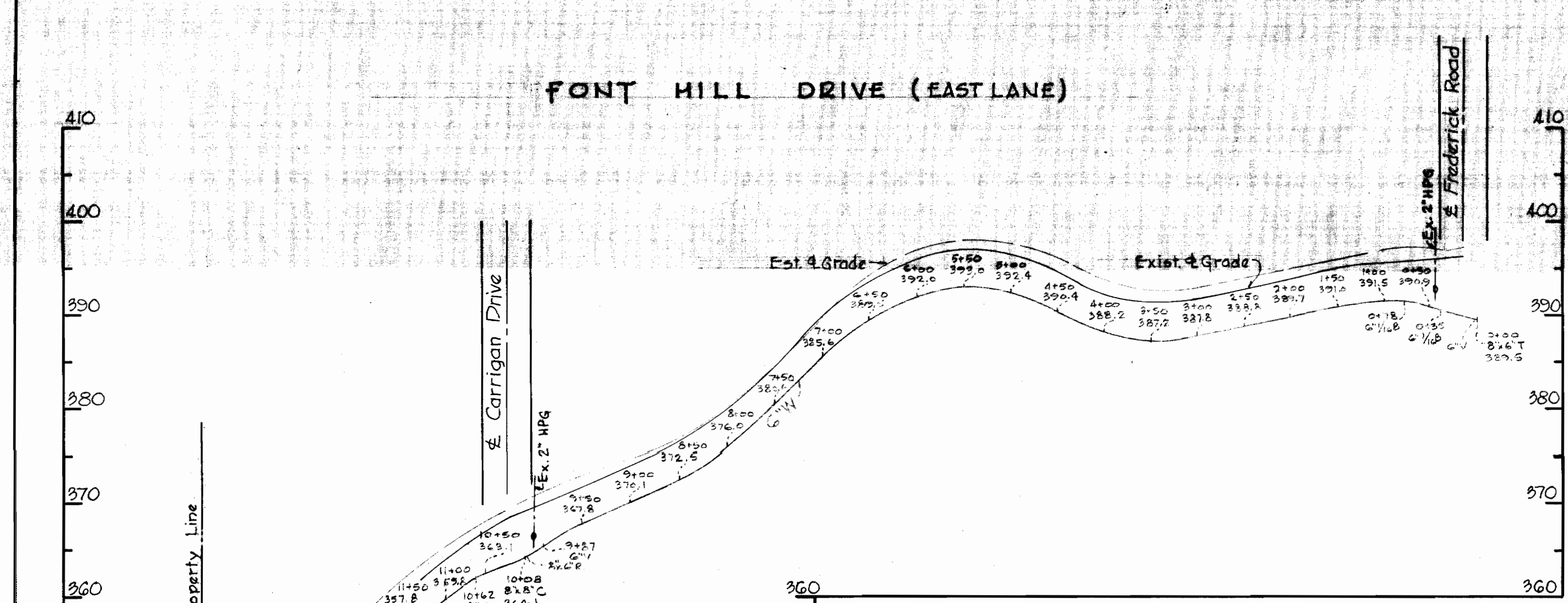
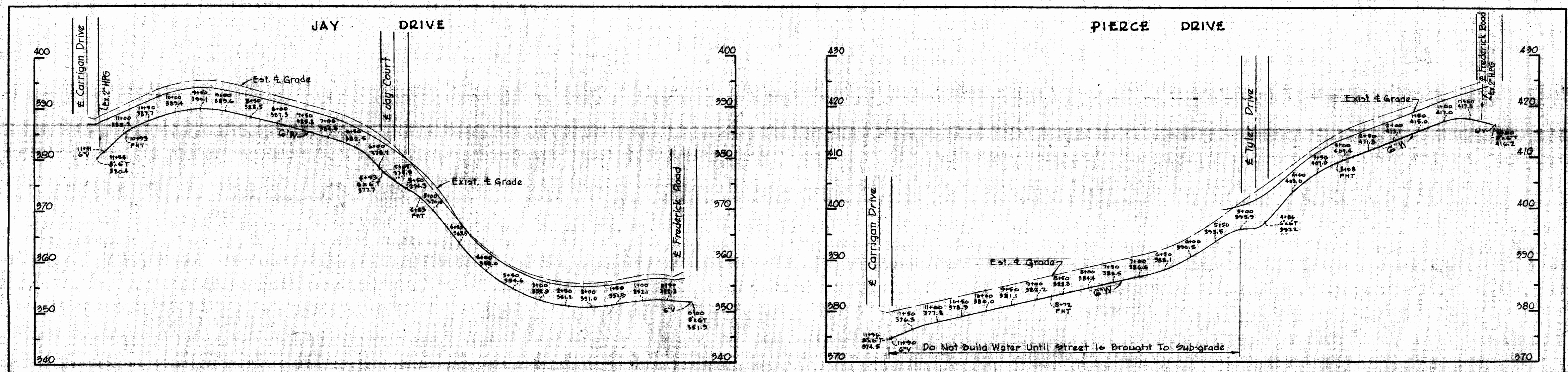
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 DATE Carl W. Meyer CHIEF ENGINEER	CONTRACT NO. 11 W	PROFILES OF WATER MAIN EXTENSIONS	ELLCOTT CITY SUB-DISTRICT	DRAWING NO. 29 OF 34 SCALE: H-1"=100' V-1"=10'
---	--	-------------------	--------------------------------------	---------------------------	---

WO. 4649

JAN 30 1961



WS 11W/30



AS BUILT

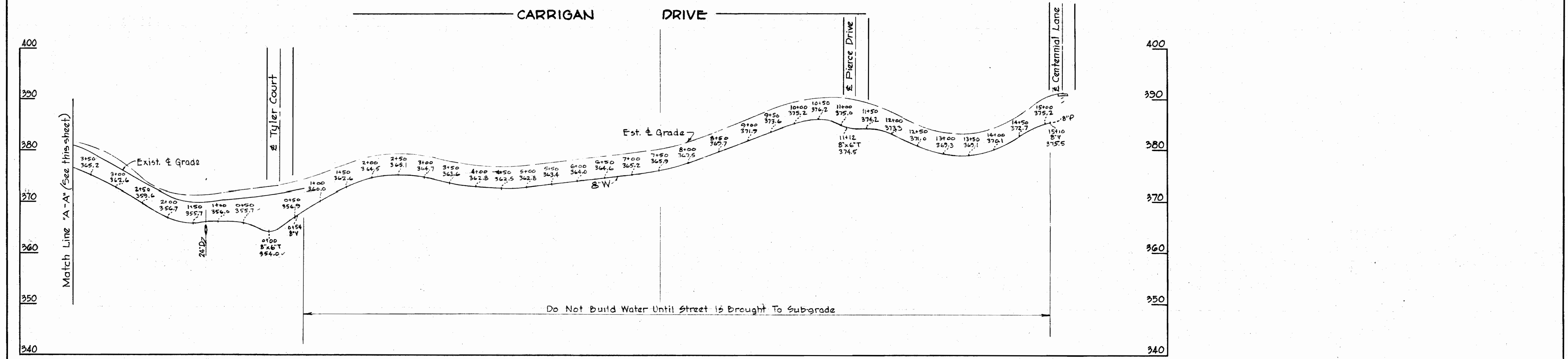
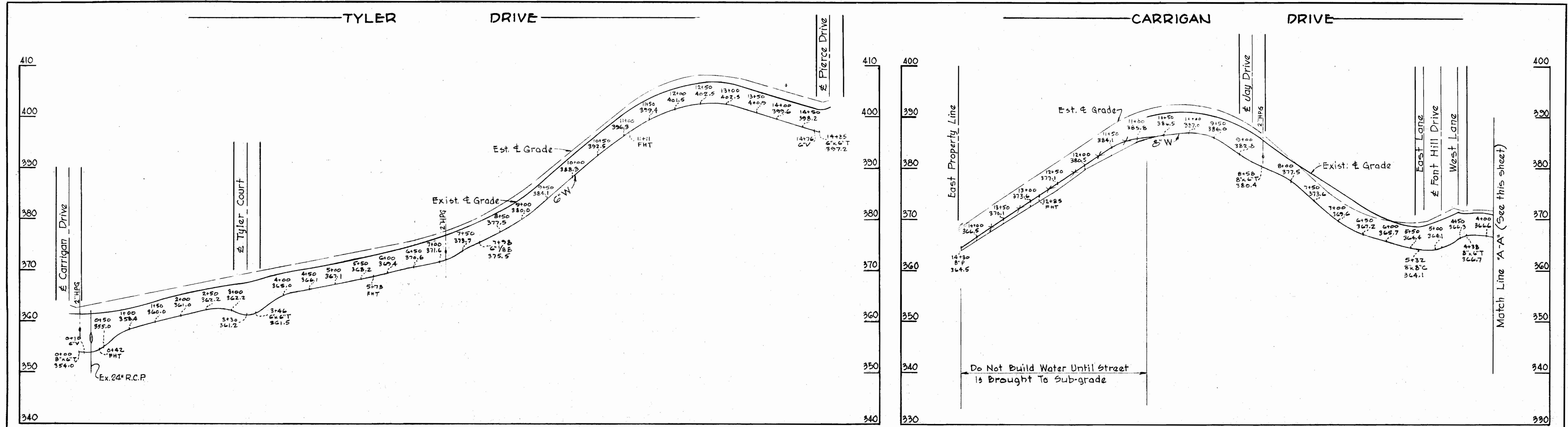
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 DATE <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 11 W	PROFILES WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 30 OF 34 SCALE H-1"=100' V-1"=10'
---	---	-------------------	-----------------------------------	----------------------------	--

W.O. 4649

FINAL 7-6-59



WS 11W/31



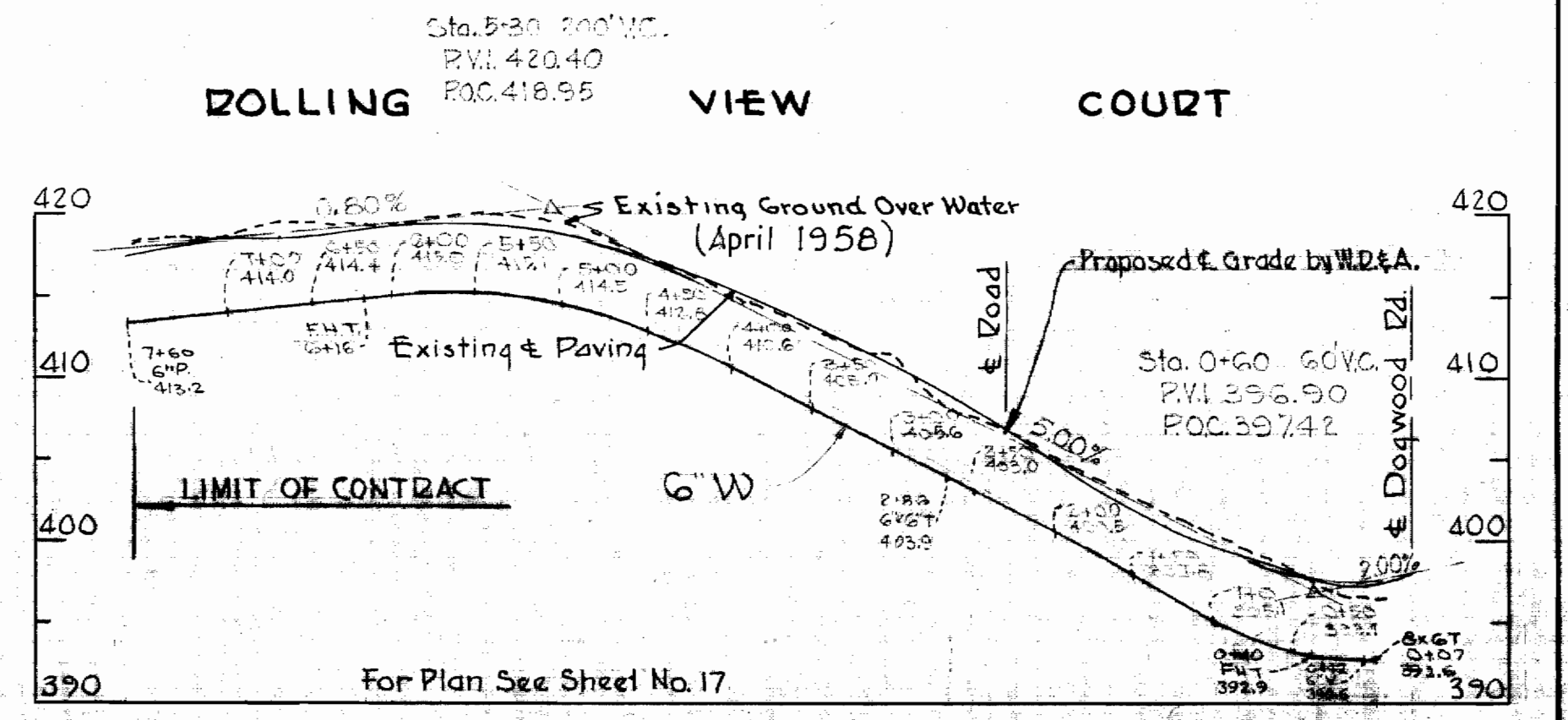
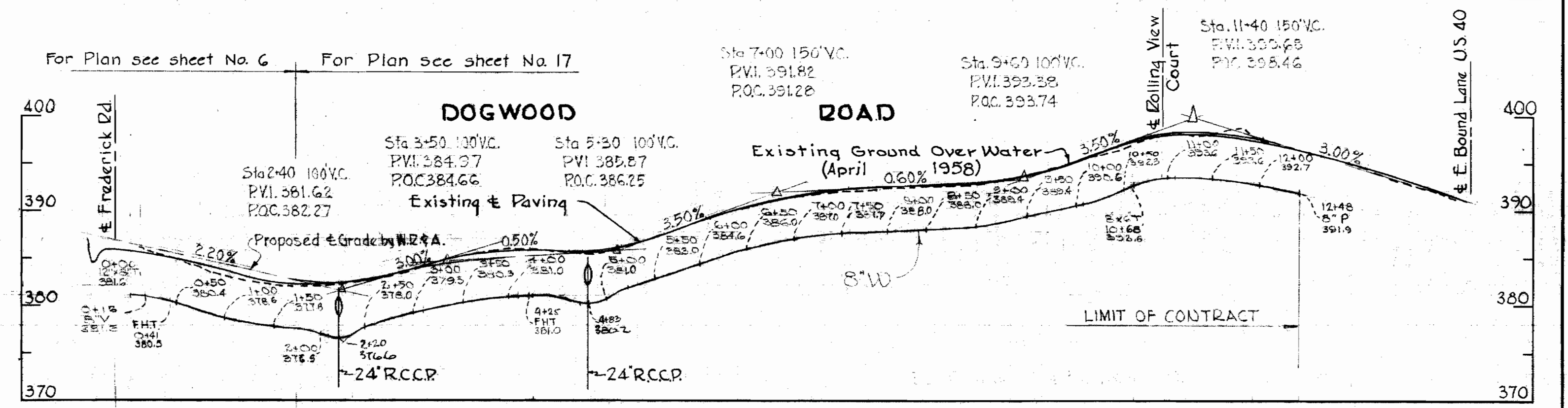
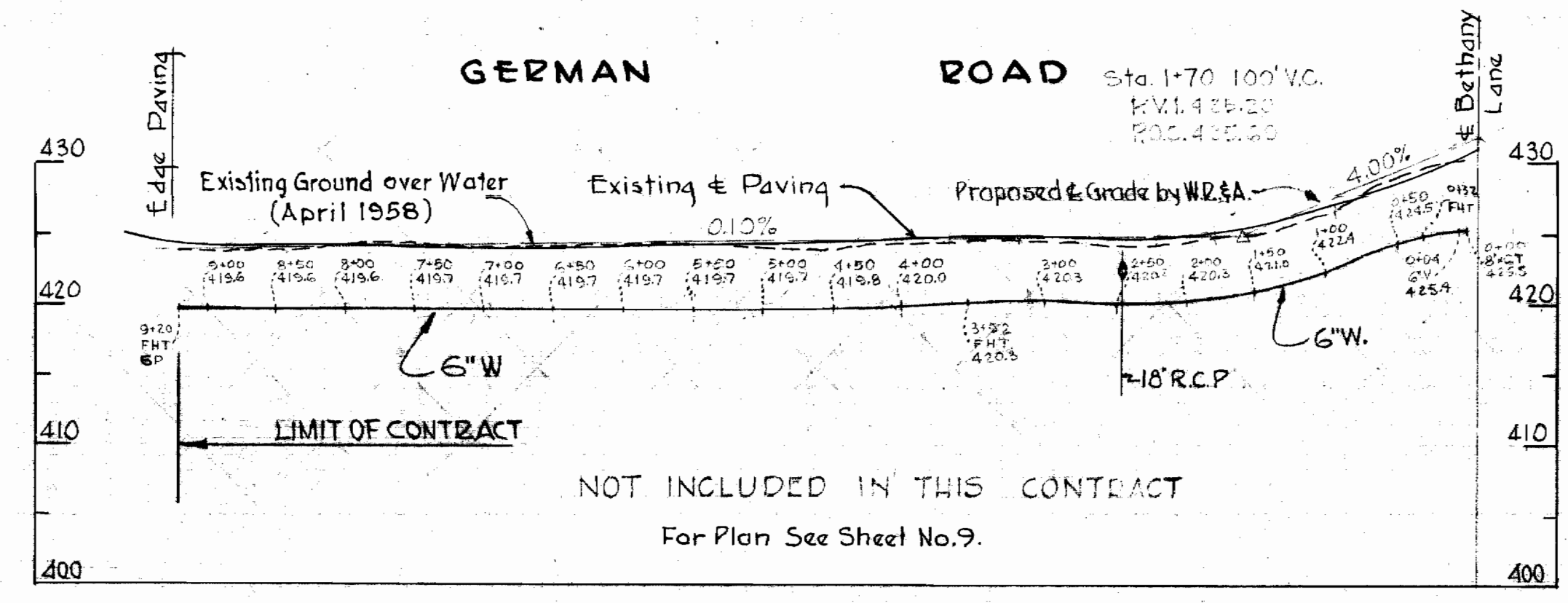
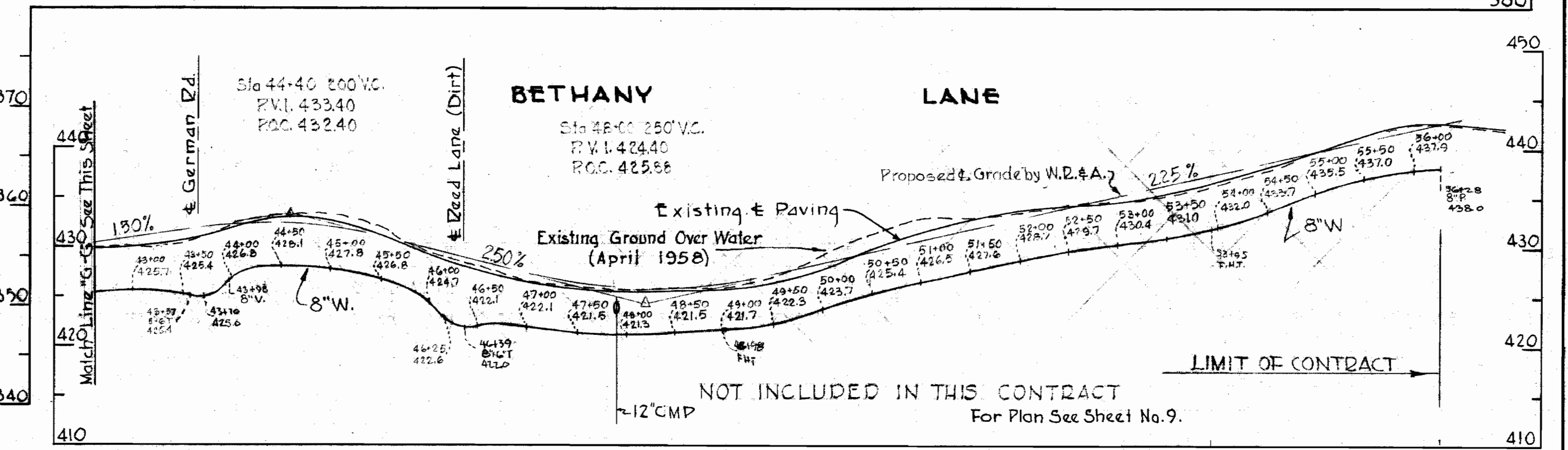
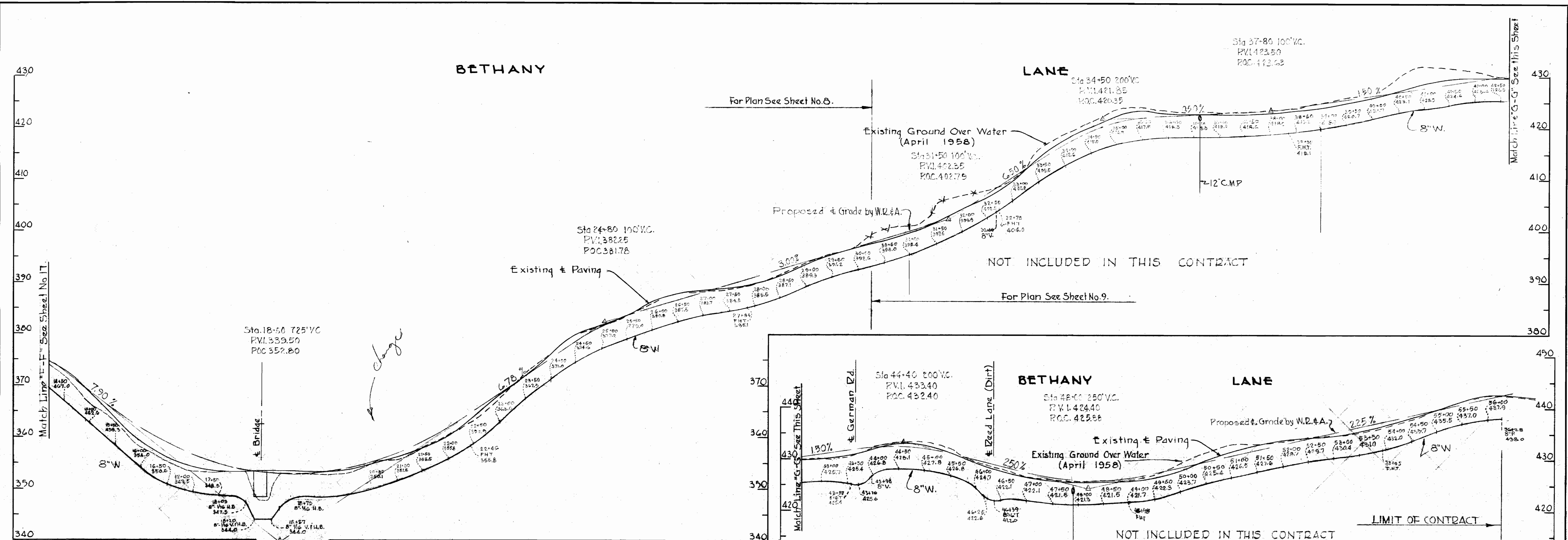
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1939 DATE	CONTRACT NO. 11W	PROFILES WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 31	SCALE
					OF 34	H-1"=100' V-1"=10'

W.D. 4649

AS BUILT

FINAL 7-6-59





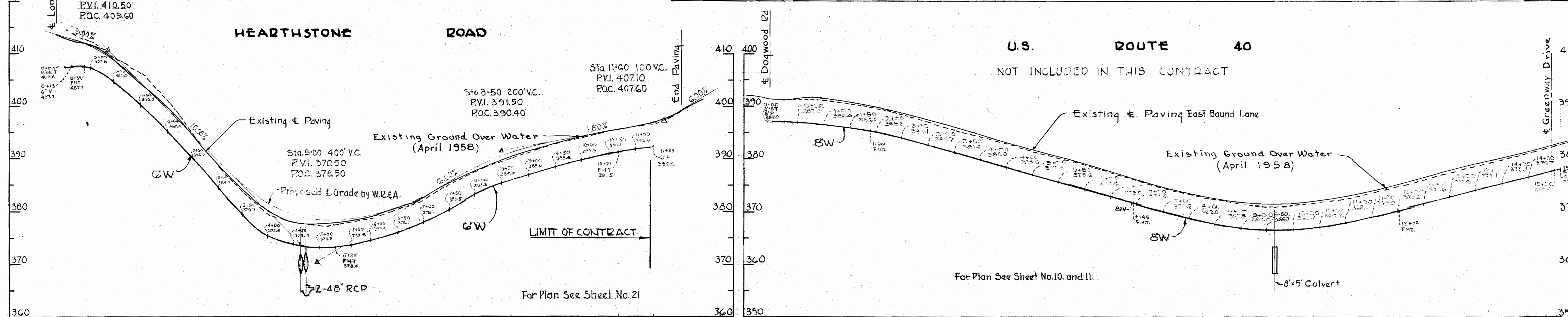
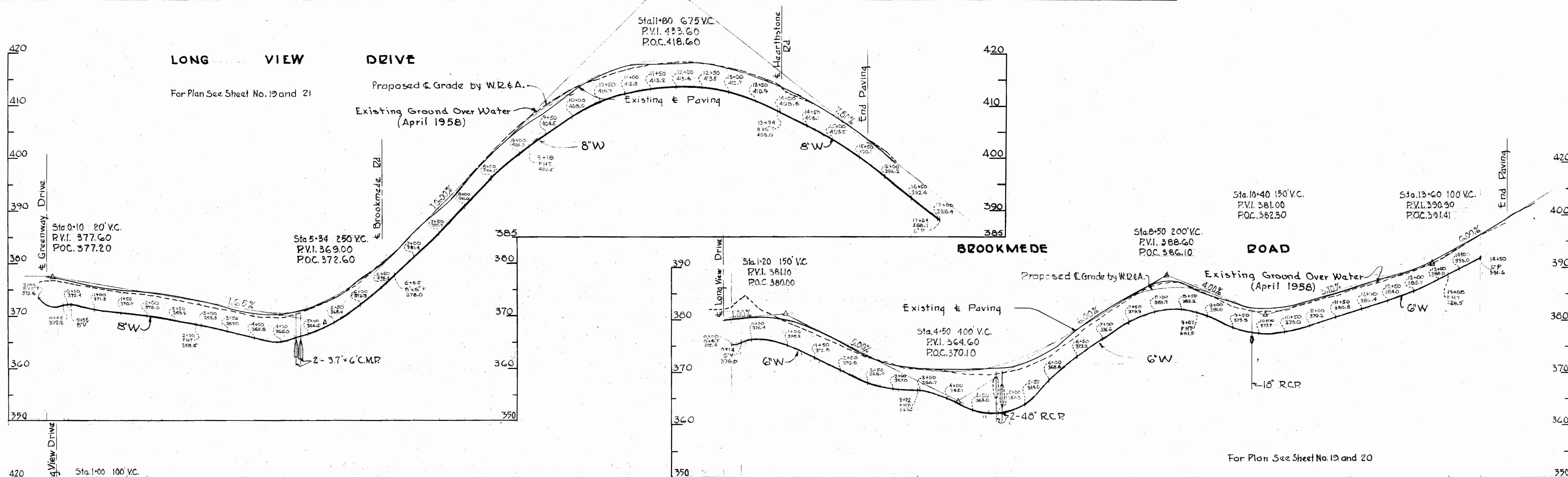
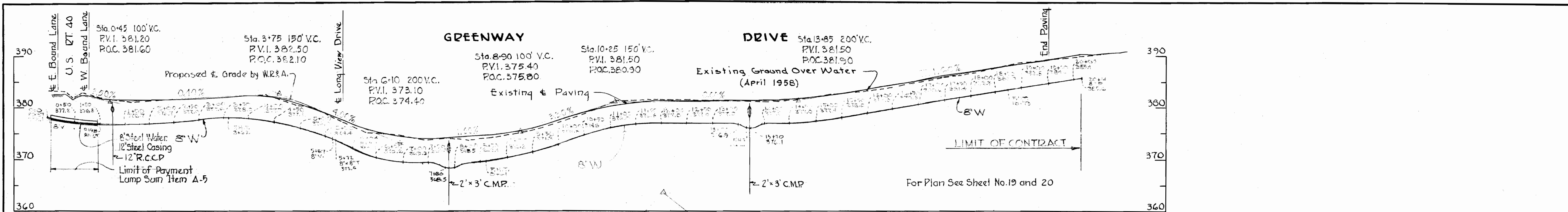
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 2, 1959 DATE	CONTRACT NO. 11 W	PROFILES OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 32 OF 34 SCALE H-1"=100' V-1"=10' AS BUILT
---	---	-------------------	--------------------------------------	----------------------------	--

W.O. 4649

FINAL T-6-59

WS 11W/32





AS BUILT

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

HOWARD COUNTY METROPOLITAN COMMISSION  
July 2, 1959  
DATE  
*Carl W. Meyer*  
CHAIRMAN

CONTRACT NO. 11 W

PROFILES OF  
WATER MAIN EXTENSIONS

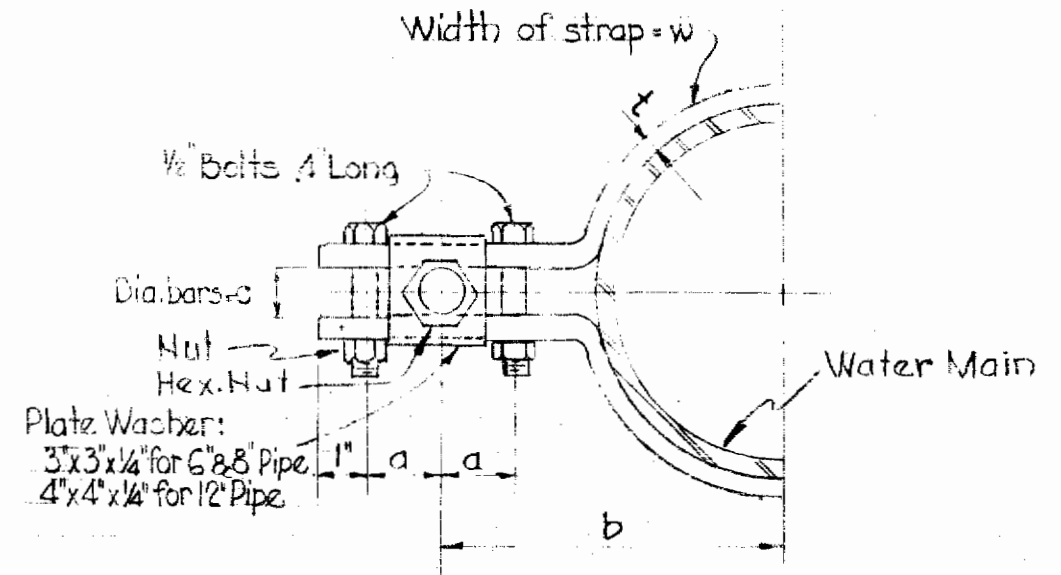
ELLCOTT CITY SUB-DISTRICT

DRAWING  
NO. 33  
OF 34

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

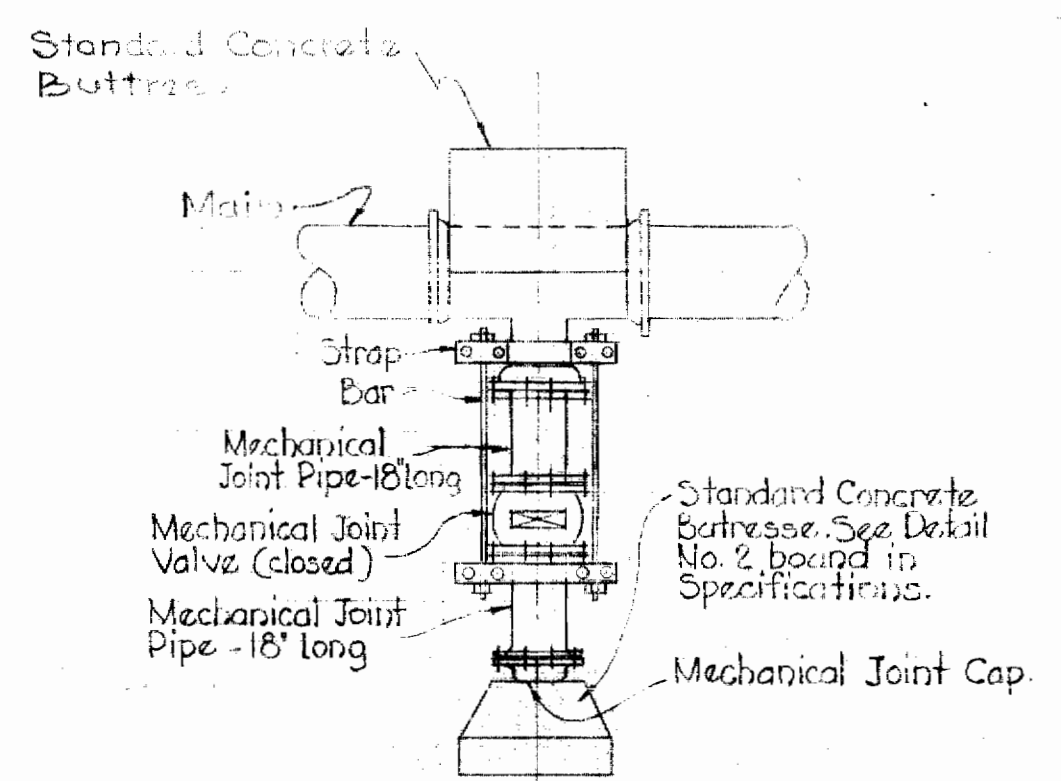
WS 11W/33





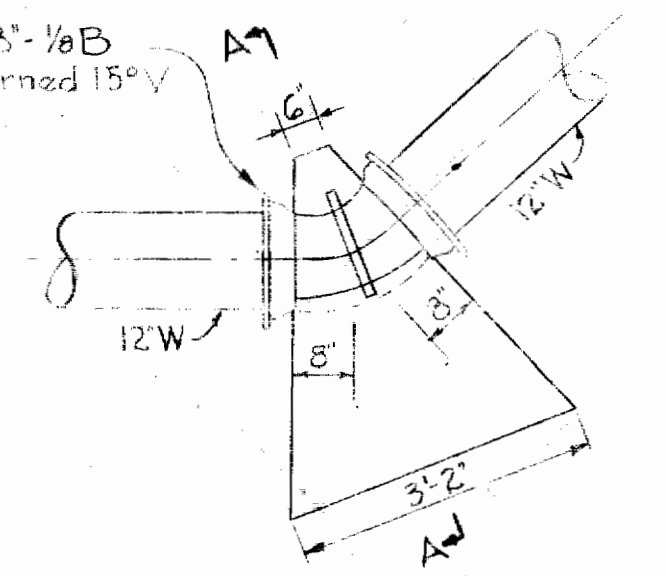
**STRAPPING DETAIL**  
No Scale

SIZE OF OUTLET	AT TEE OR CROSS OUTLET BELL				IN BACK OF VALVE M.J. GLAND				SIZE OF BARS		
	w	t	a	b	c	w	t	a		b	c
6"	2 1/2	1 1/2	1 1/2	6 1/8	3/4	2 1/2	1 1/2	1 1/2	6 1/8	3/4	3/4 φ
8"	2 1/2	1 1/2	1 1/2	7 1/4	3/8	2 1/2	1 1/2	1 1/2	7 1/4	3/8	3/8 φ
12"	2 3/4	1 1/2	1 1/2	10 1/8	1/4	3 3/4	1 1/2	1 1/2	10 1/8	1/4	1/4 φ

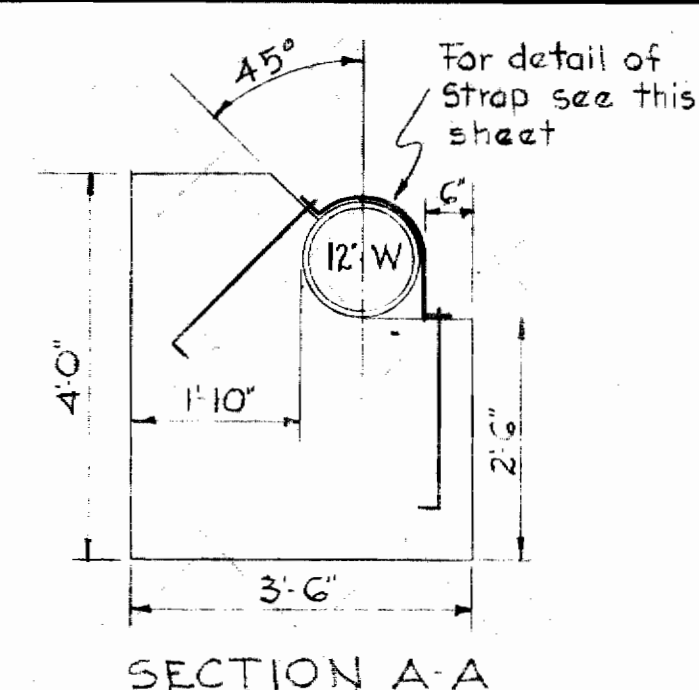


**HARNESSE DETAIL**  
No Scale

Thread bars 3" both ends. Paint all steel with two coats of Valdurra asphalt paint or approved equal.

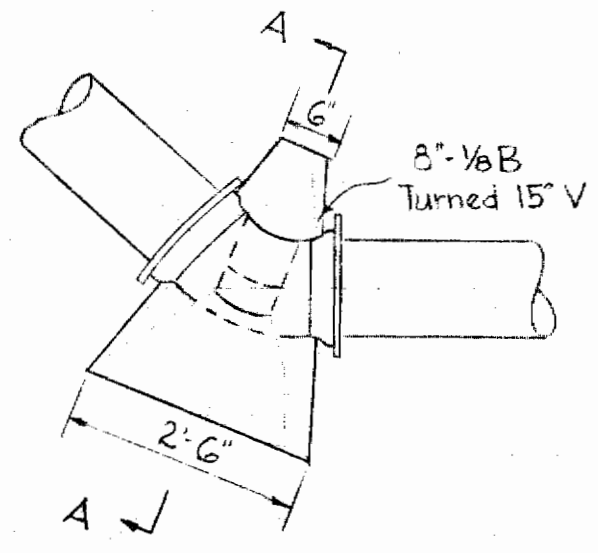


**UPPER VERTICAL**

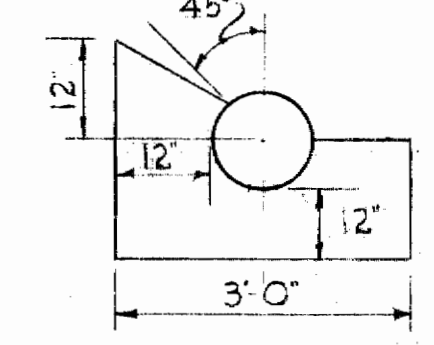


**SECTION A-A**

Note: Paint all exposed steel with 2 coats Valdurra asphalt paint or approved equal. Carry all bearing surfaces to firm ground. Concrete to be Class "B".



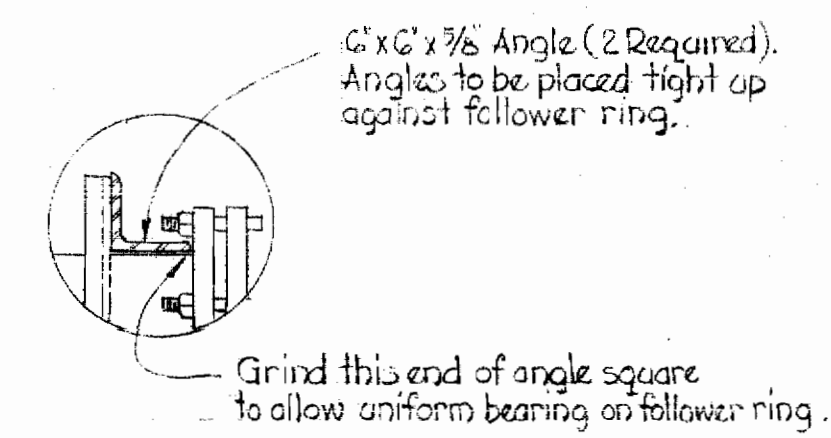
**PLAN LOWER VERTICAL**



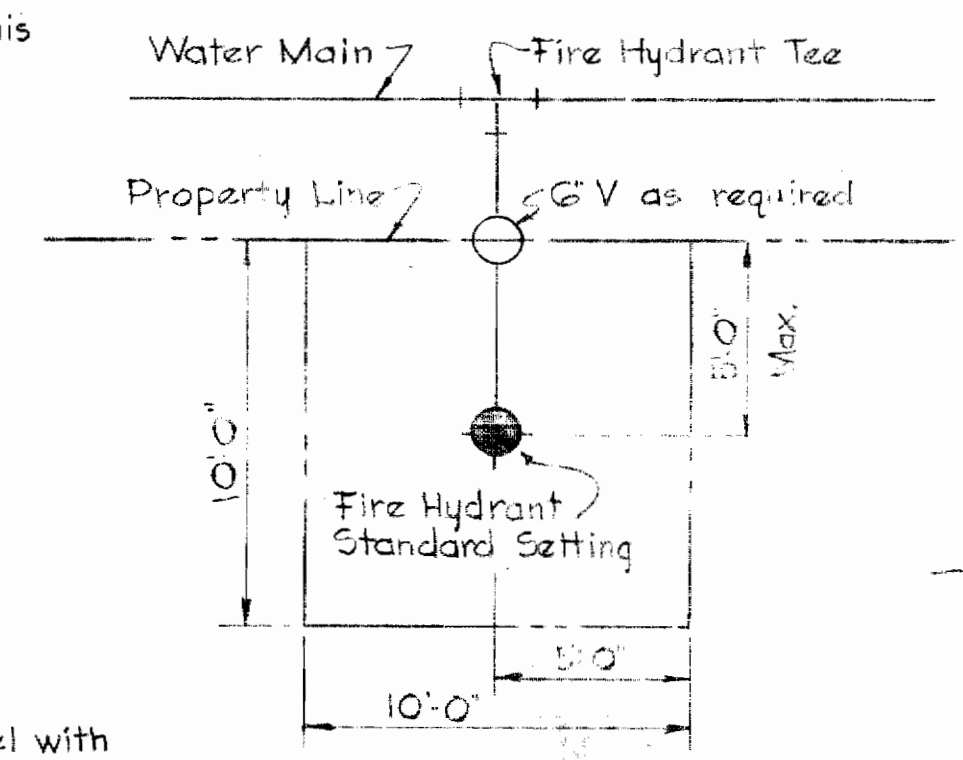
**SECTION A-A**

**BLOCKING DETAILS**

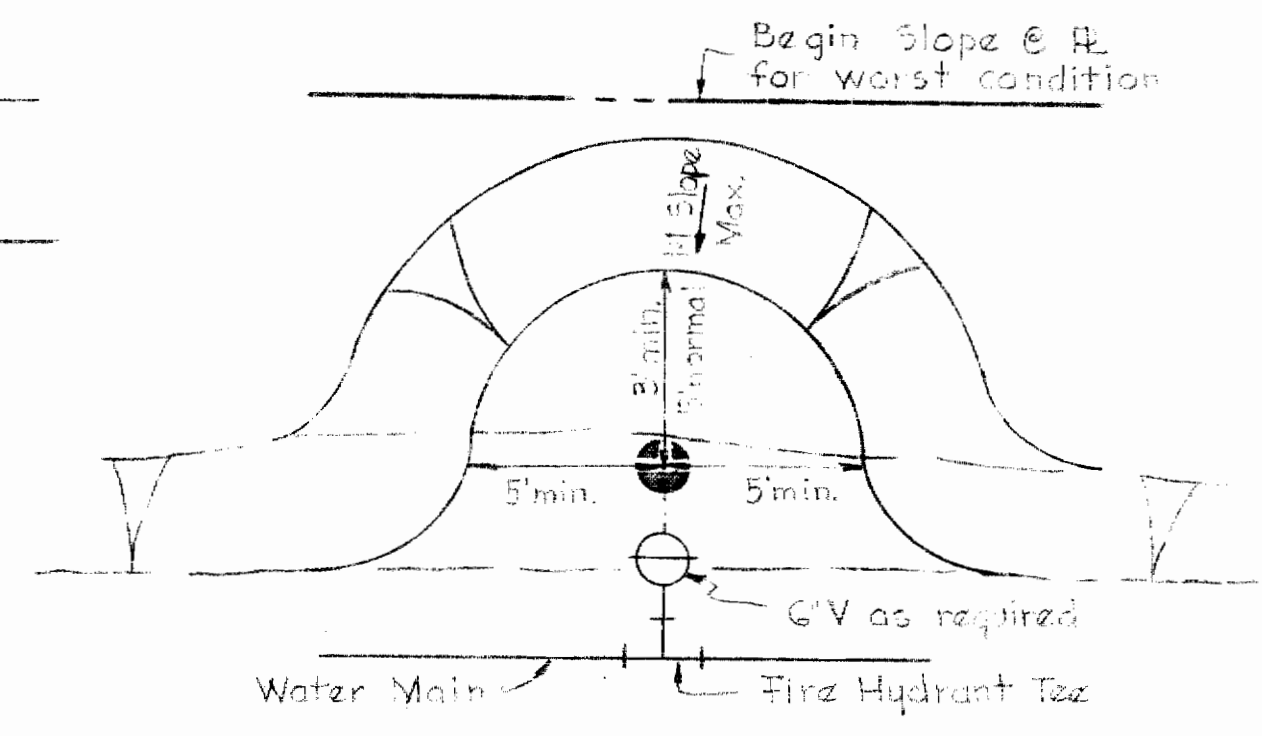
(STA. 152+00 ON FREDERICK ROAD)  
No Scale



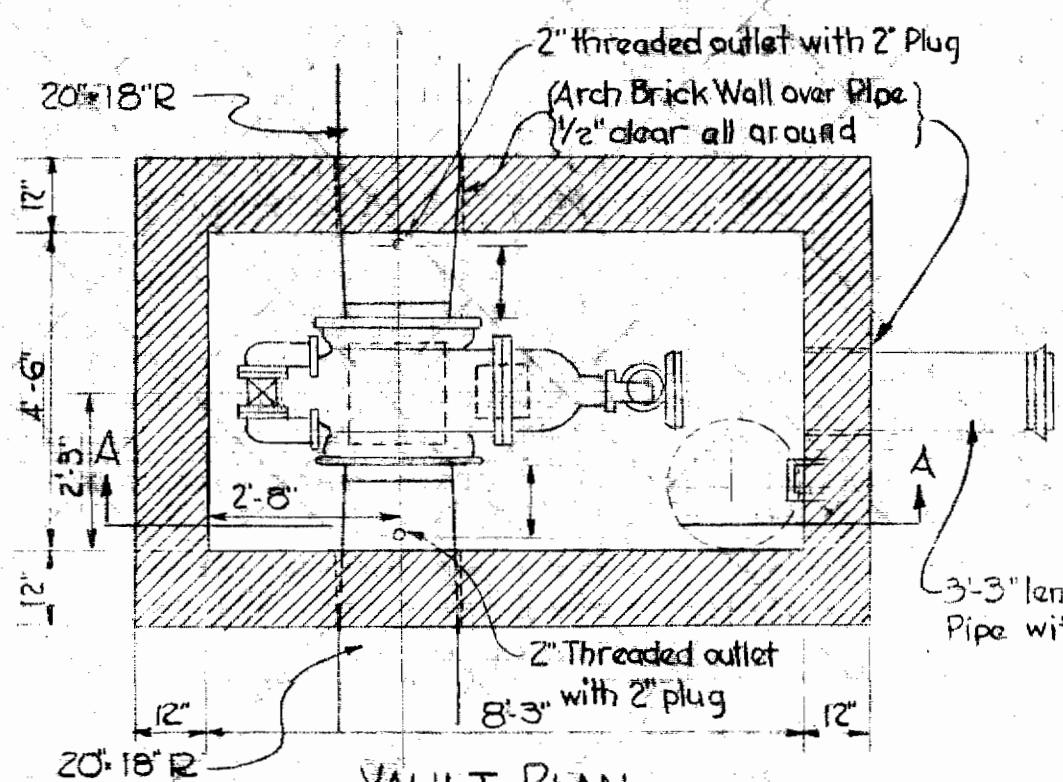
**DETAIL 'A'**



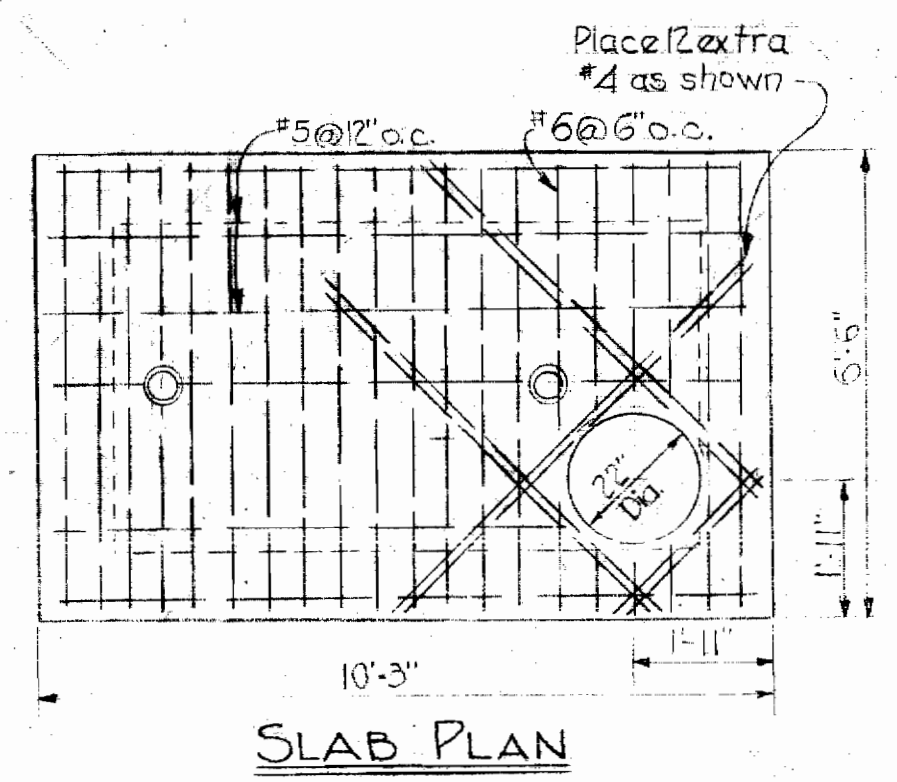
**FIRE HYDRANT SETTINGS IN PRIVATE PROPERTY**  
No Scale



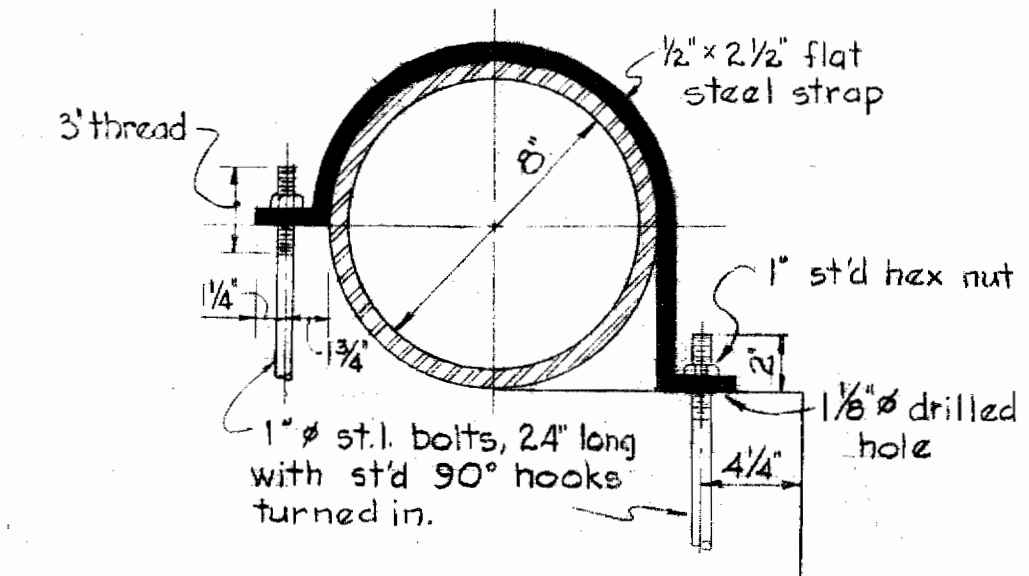
**GRADING DETAIL FOR FIRE HYDRANTS**  
No Scale



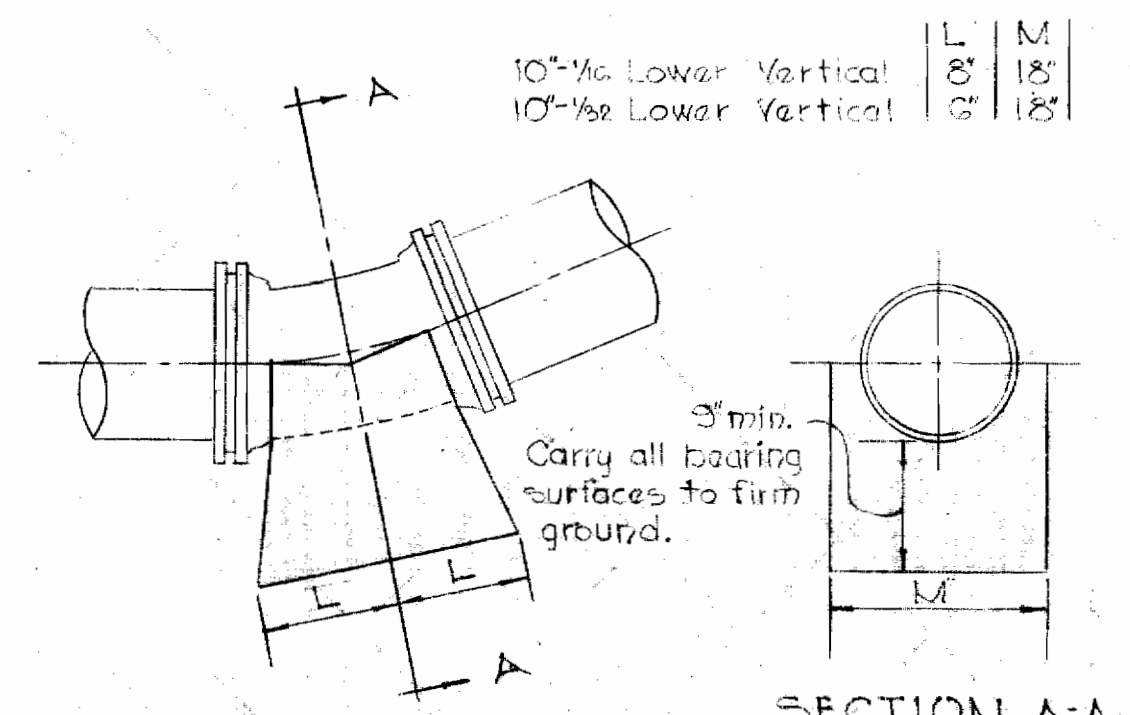
**VAULT PLAN**



**SLAB PLAN**



**STRAPPING DETAIL**  
No Scale



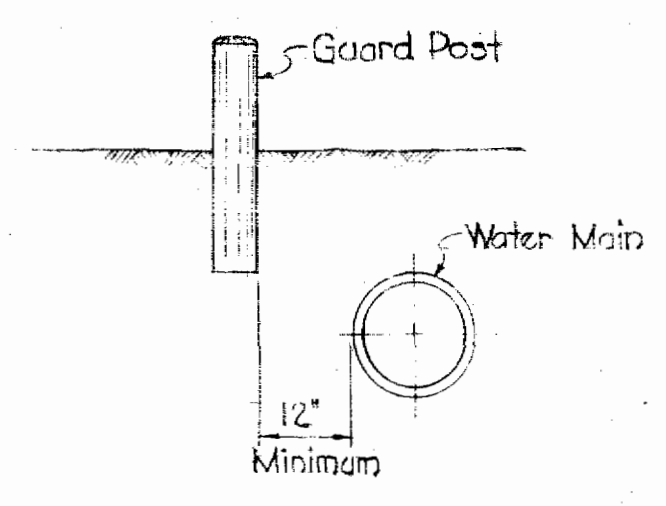
**ELEVATION SECTION A-A**

**10" LOWER VERTICAL BENDS**

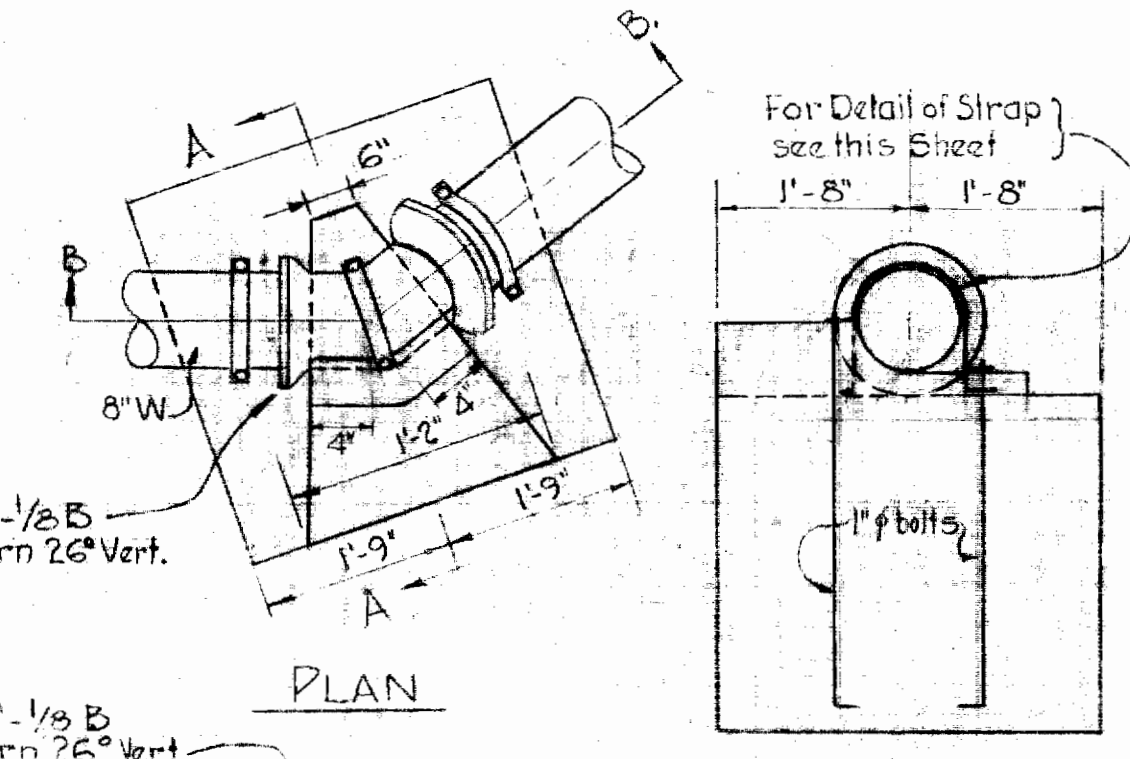
**BLOCKING DETAILS**

(ALONG FREDERICK ROAD)  
NO SCALE

CONTRACT 10W

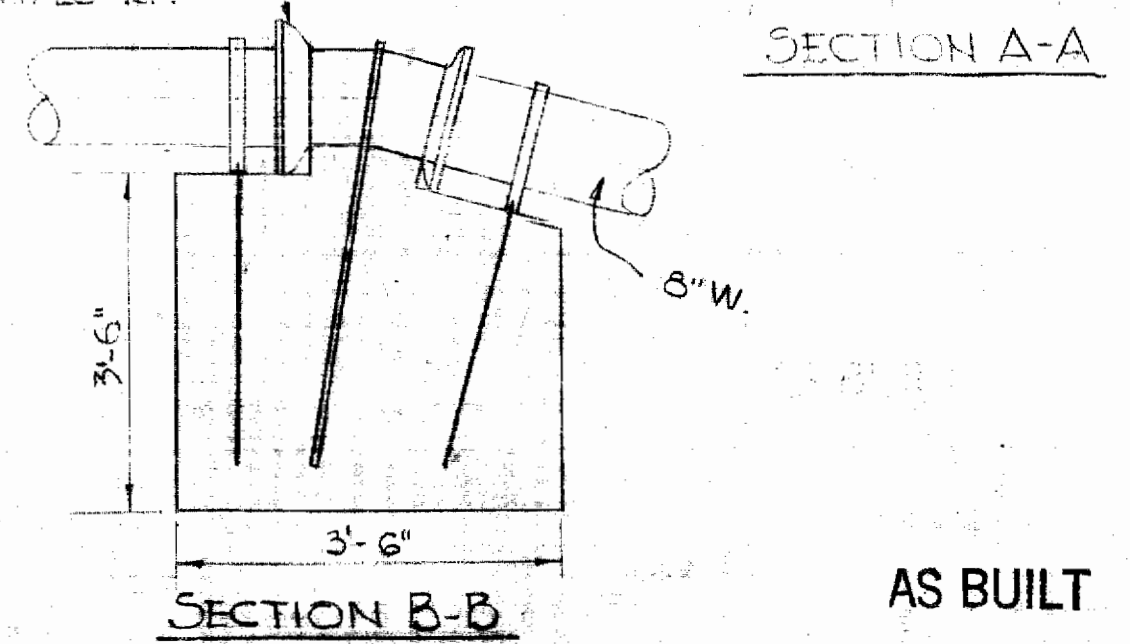


**DETAIL OF REPLACED GUARD RAIL**  
No Scale



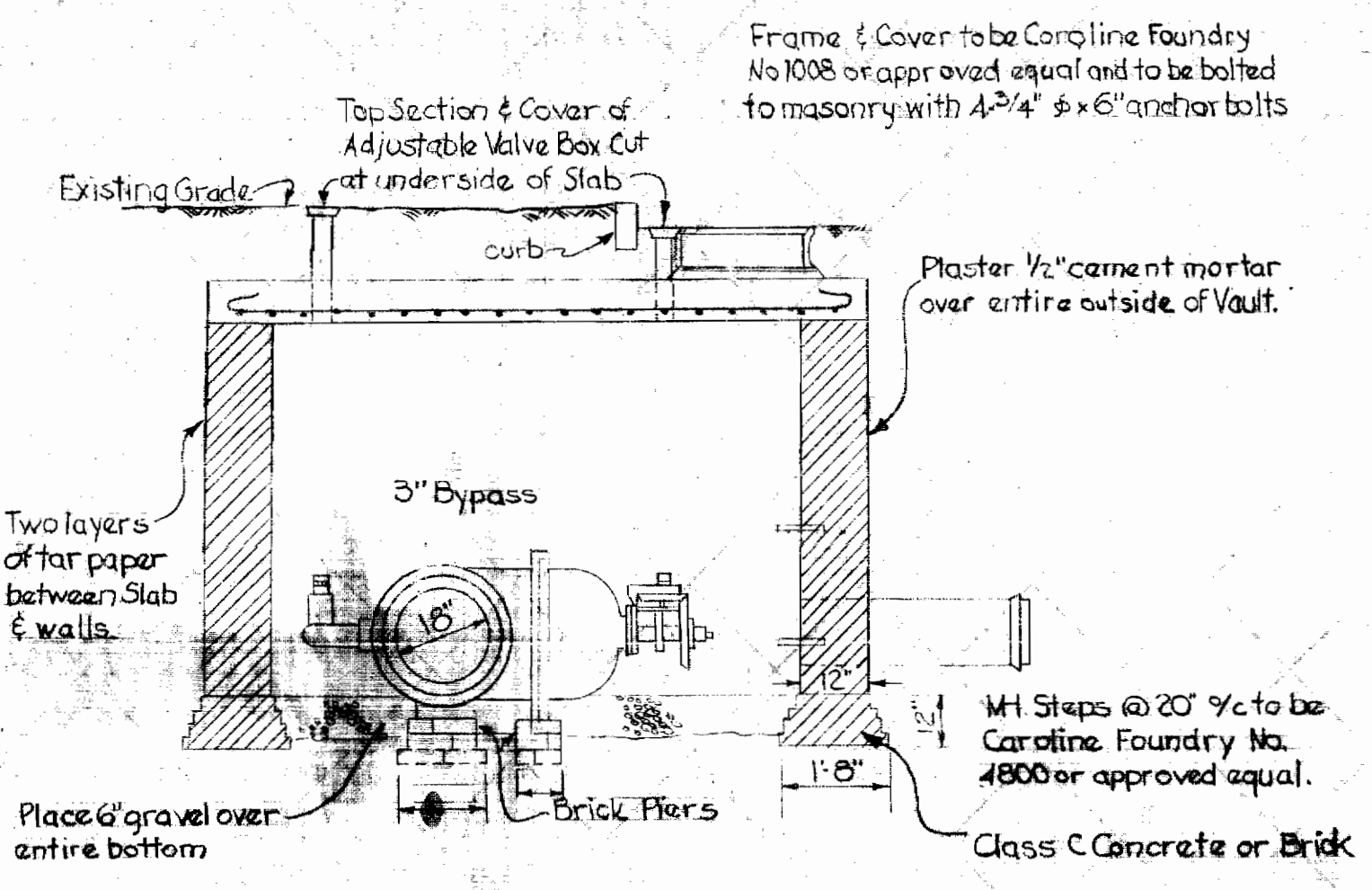
**PLAN**

**SECTION A-A**



**SECTION B-B**

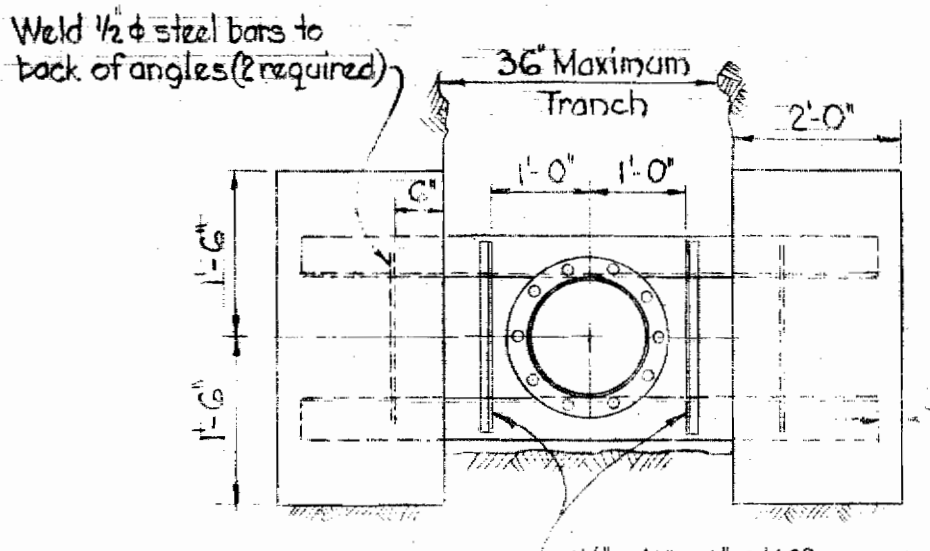
**AS BUILT**



**VAULT SECTION A-A**

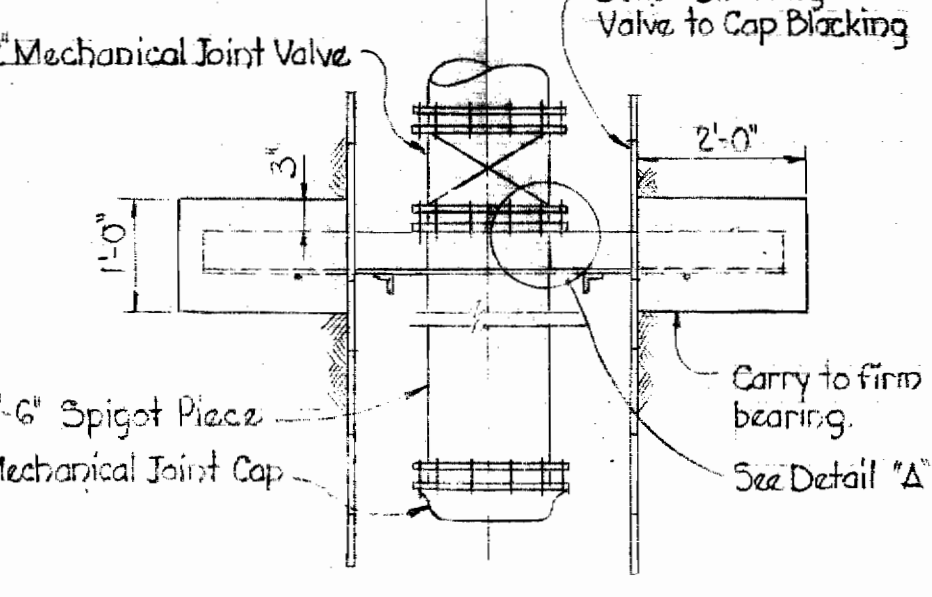
**18" HORIZONTAL VALVE VAULT**

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



**ELEVATION**

All concrete to be Class "B". Paint all exposed steel with two coats Valdurra Asphalt Paint or approved equal.



**PLAN**

**SPECIAL VALVE BLOCKING DETAIL**

No Scale Required at Sta. 0+10 Old Columbia Pike

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

HOWARD COUNTY METROPOLITAN COMMISSION  
July 2, 1959  
DATE  
*Carl W. Meyer*  
CHAIRMAN

CONTRACT NO. 11W

DETAILS

ELLCOTT CITY SUB-DISTRICT

DRAWING NO. 34 OF 34  
SCALE AS SHOWN

WS 11W/34