

**CONTRACT 71W**  
**WATER MAIN EXTENSIONS**  
**HOWARD COUNTY METROPOLITAN COMMISSION**  
**ELLICOTT CITY SUB-DISTRICT**

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

HOWARD COUNTY METROPOLITAN COMMISSION  
 Jan 9, 1964  
 DATE

CONTRACT NO. 71 W

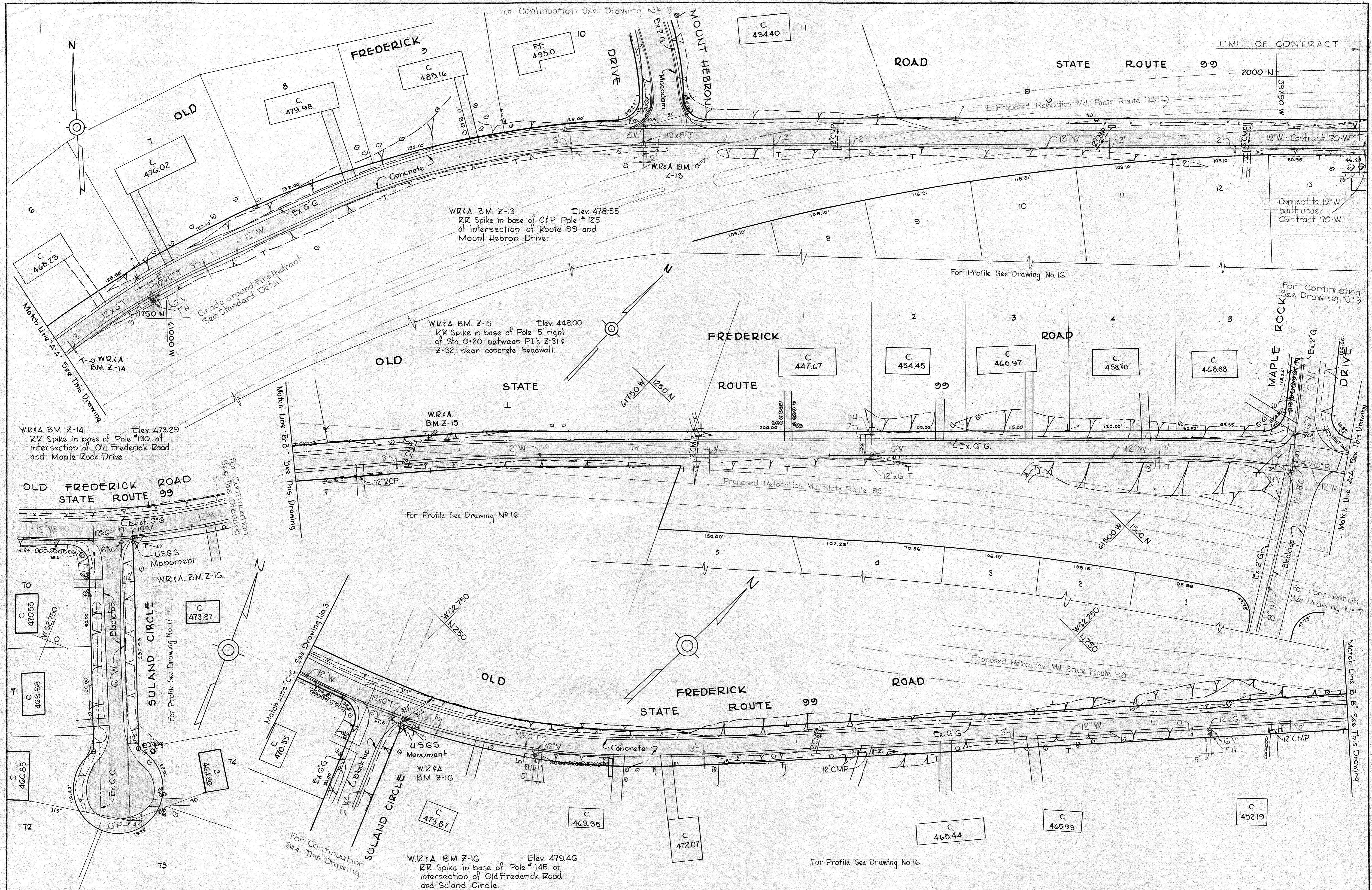
LOCATION MAP OF  
 WATER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

DRAWING NO. 1  
 OF 21  
 SCALE 1"=800'

WS 71W/1

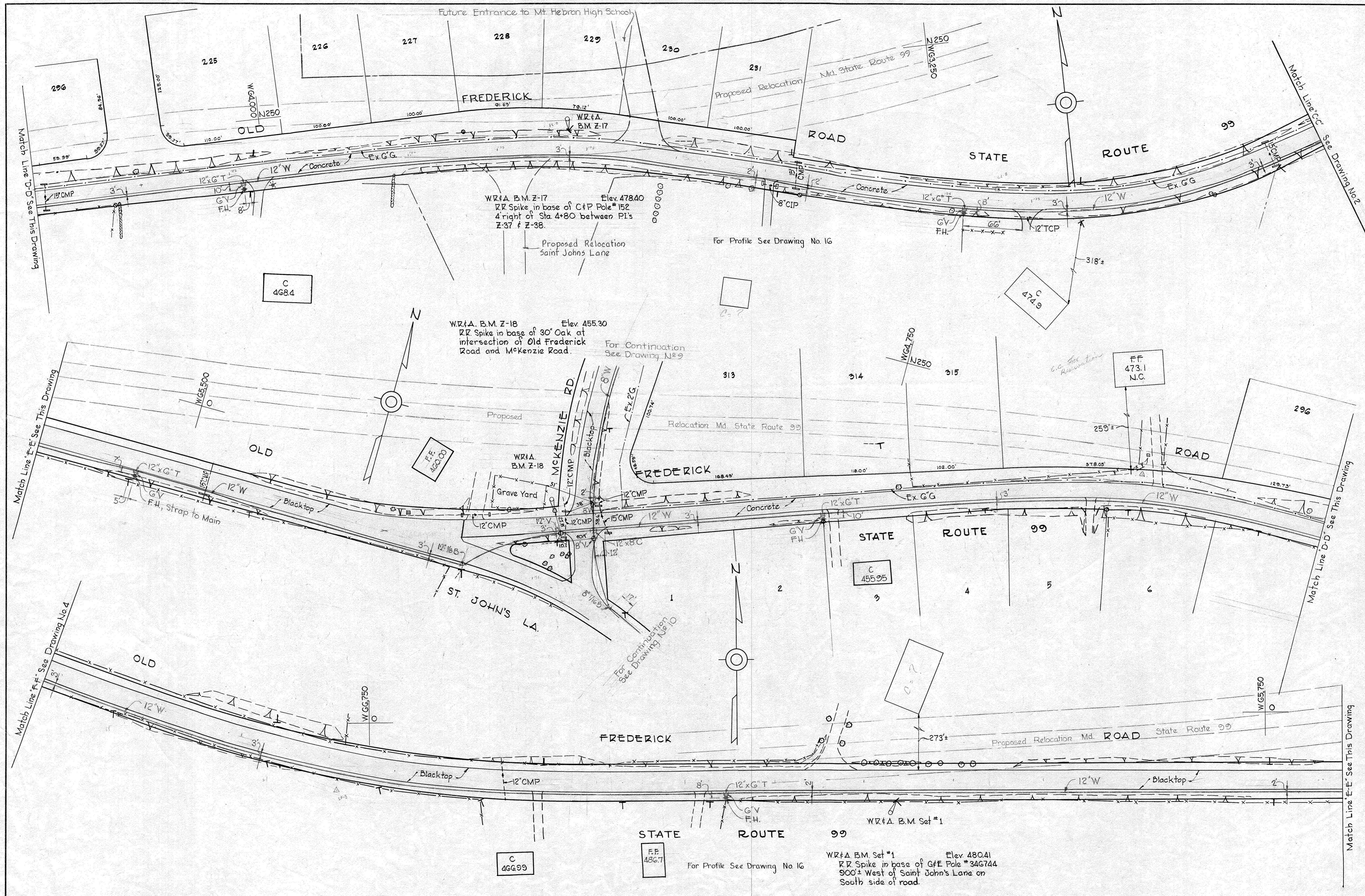




WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 DATE	CONTRACT NO. 71 W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	CONTRACT NO. 71 W	DRAWING NO. 2	SCALE 1"=50'
					OF 21	21NW40 21NW41 12NW42 15W42 F.B. 3013	

WS 71W/2

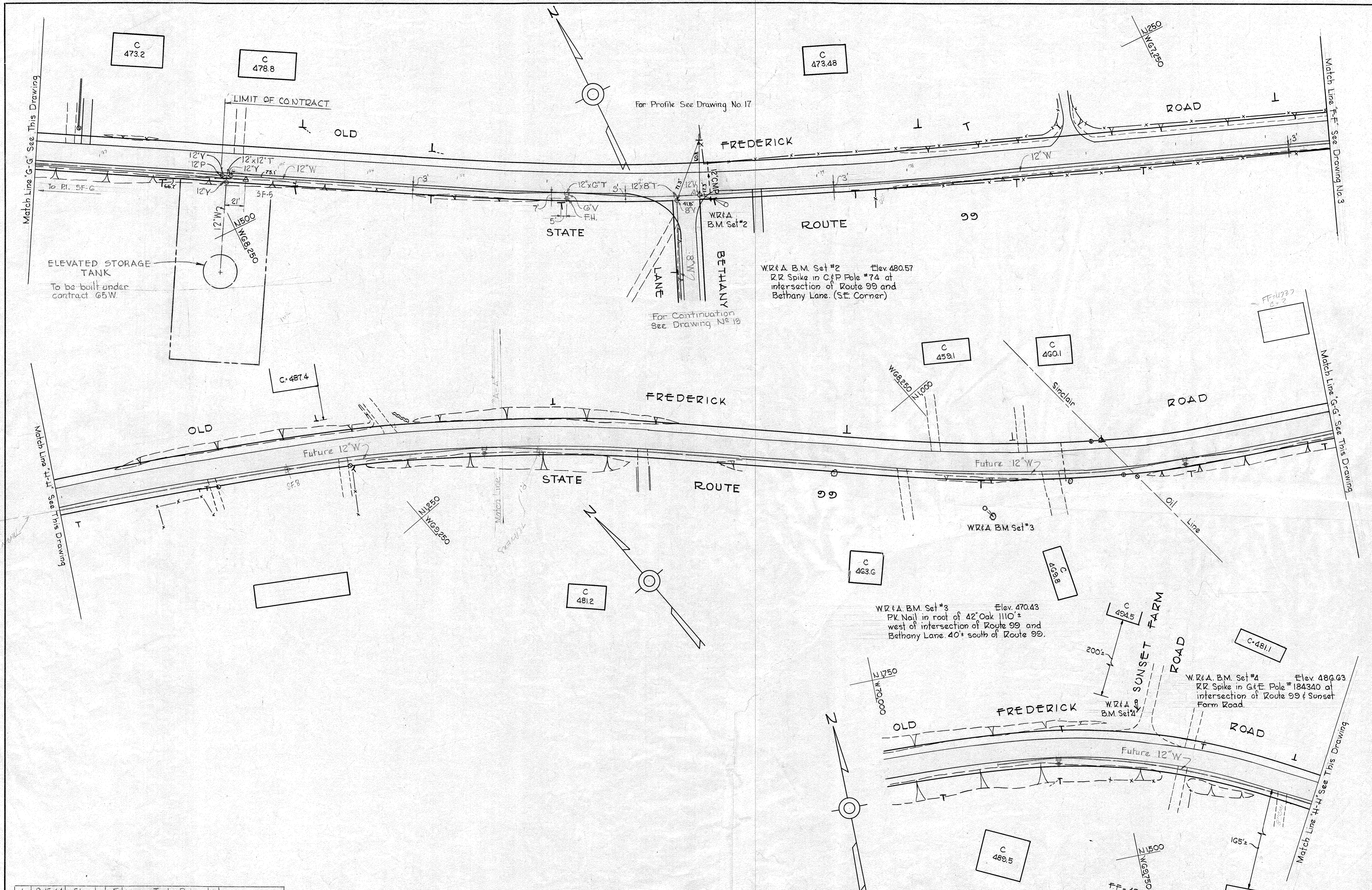




WS 71W/3

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 71 W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	Contract No 71 W DRAWING NO. 3 OF 21 SCALE 1"=50' <small>HW42 43 44 15 W44 45 F.B. 3052 F.B. 2905</small>
---	---	-------------------	------------------------	----------------------------	---





1	9-15-64	Elevated Storage Tank Relocated
U <sup>2</sup>	Date	Revision

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

HOWARD COUNTY METROPOLITAN COMMISSION  
 Jan 3, 1964  
 DATE  
*Carl W. Meyer*  
 CHIEF ENGINEER

CONTRACT NO. 71W

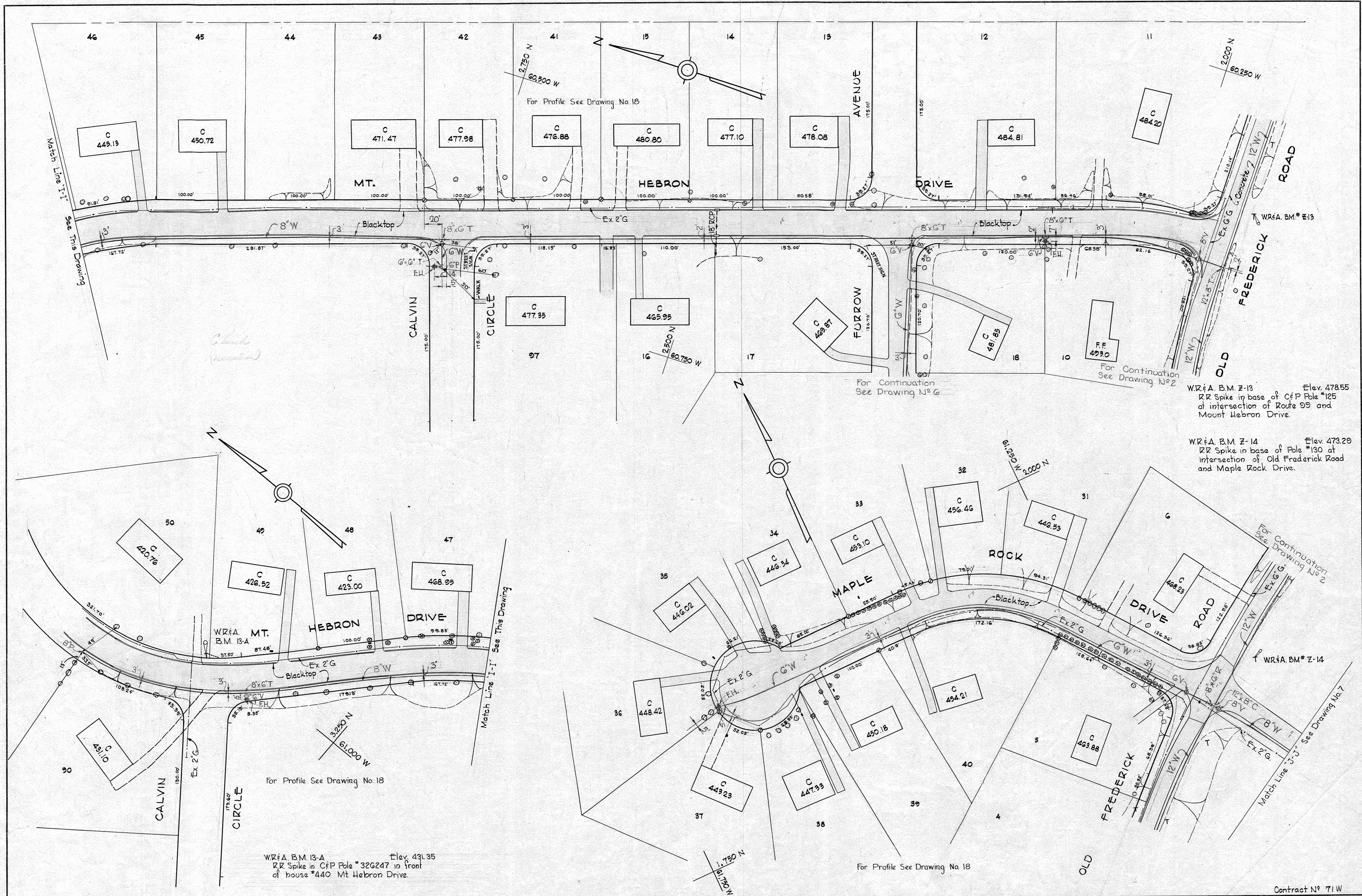
PLAN OF  
 WATER MAINS

ELLICOTT CITY SUB-DISTRICT

CONTRACT NO. 71W  
 DRAWING NO. 4 OF 21  
 SCALE 1" = 50'

WS 71W/4





WR&A. B.M. #13 Elev. 478.55  
 RR Spike in base of C&P Pole #125  
 at intersection of Route 99 and  
 Mount Hebron Drive.

WR&A. B.M. #14 Elev. 473.29  
 RR Spike in base of Pole #130 at  
 intersection of Old Frederick Road  
 and Maple Rock Drive.

WR&A. B.M. 13-A Elev. 491.35  
 RR Spike in C&P Pole #326247 in front  
 of house #440 Mt Hebron Drive.

WS 71W/5

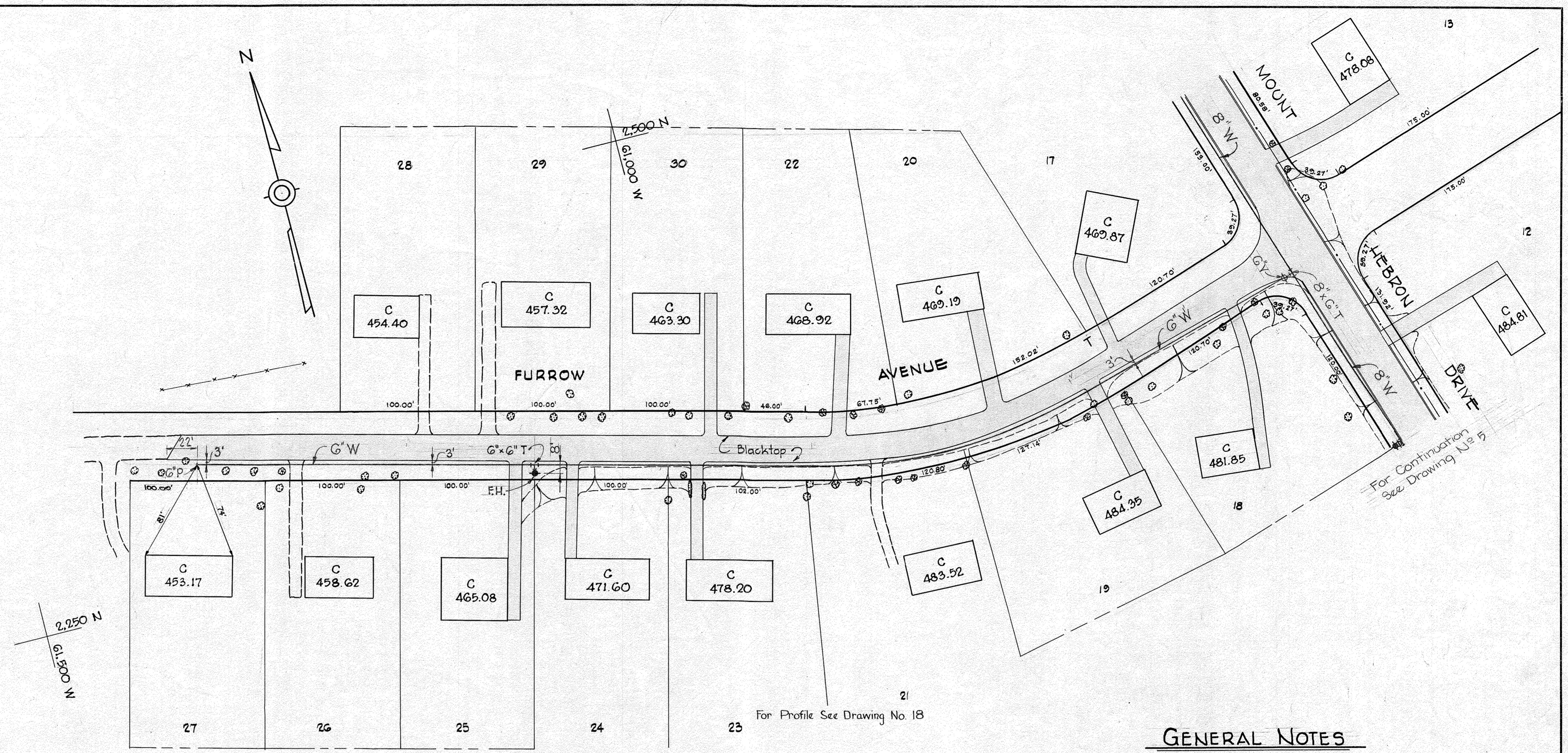
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 3, 1964 <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 5 OF 21	SCALE 1" = 50' <small>234 NW 41          2 NW 42</small>
---	---	------------------	------------------------	----------------------------	---------------------------	--

W. O. 5318-2

AS BUILT 5 NOV. 1965

Contract No. 71W  
 FB 3013, 3016





**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. Block all fittings with concrete, see standard details bound in Specifications.
6. Bury Line elevation on Fire Hydrants shall be set the same as edge of paving or as directed by the Engineer in the field.
7. All 6" W and 8" W to be class 22 CIP, all 12" W to be Class 23. Water Mains to have a minimum of 3 1/2' cover unless otherwise noted.
8. Before digging, pushing pipe or doing other work near Telephone Cables call collect any time LExington 9-9900 Ext. 553, 554 or 555, Baltimore, Maryland.
9. Clear all poles by 2'-0" minimum.
10. 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.
11. Buttress Fire Hydrants with concrete; provide copper pipe at weep holes as required for positive drainage. For Buttress dimensions see Standard Detail W-8. Buttress For Caps.

WS 71W/6

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan 3, 1964 <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	Contract No. 71W DRAWING NO. 6 OF 21	SCALE 1" = 50' 3 NW 41
---	--	------------------	------------------------	----------------------------	--	------------------------------

W. O. 5315-2

AS BUILT 5 NOV 1965  
 E.B. 3016





W.R. & A. B.M. W-1 Elev. 458.80  
 RR Spike in base of G & E Pole # 3513G8  
 25' Left of Sta. 3+00 between P.I.'s W-1  
 and W-2.

No.	Date	Revision
1	11-18-64	Added G" W in Maple Rock Drive

Contract No. 71W

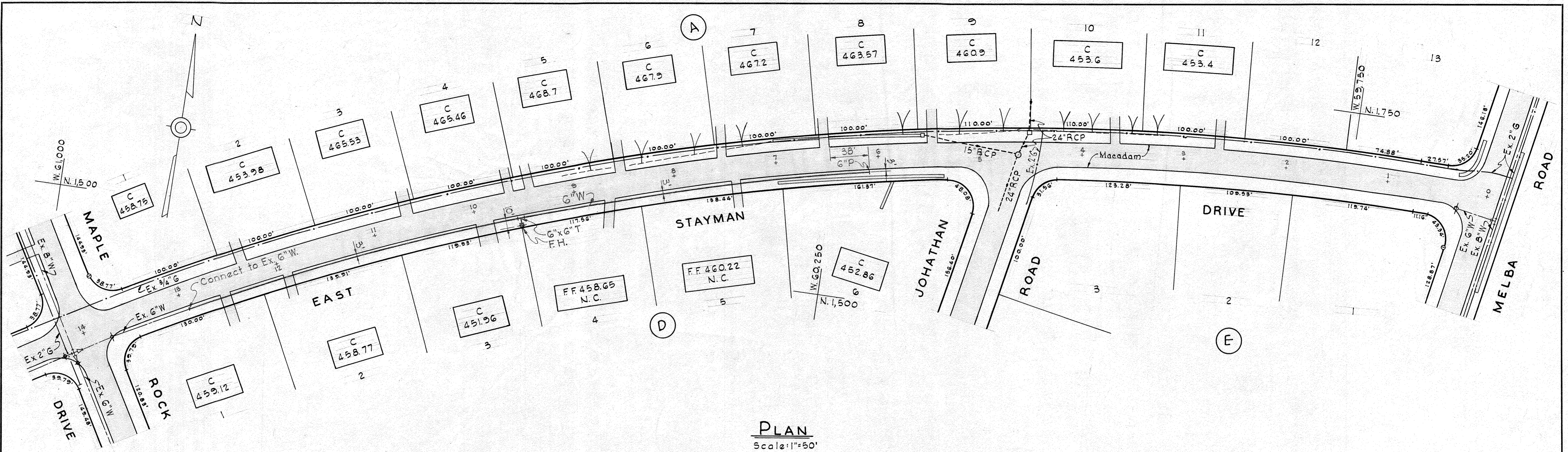
<b>WHITMAN, REQUARDT &amp; ASSOCIATES</b> ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	<b>HOWARD COUNTY METROPOLITAN COMMISSION</b> Jan. 3, 1964 DATE <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 71W	<b>PLAN OF</b> <b>WATER MAINS</b>	<b>ELLICOTT CITY SUB-DISTRICT</b>	<table border="1"> <tr> <td><b>DRAWING NO. 7</b></td> <td><b>SCALE 1"=50'</b></td> </tr> <tr> <td><b>OF 21</b></td> <td></td> </tr> </table>	<b>DRAWING NO. 7</b>	<b>SCALE 1"=50'</b>	<b>OF 21</b>	
<b>DRAWING NO. 7</b>	<b>SCALE 1"=50'</b>								
<b>OF 21</b>									

W. O. 5318-2

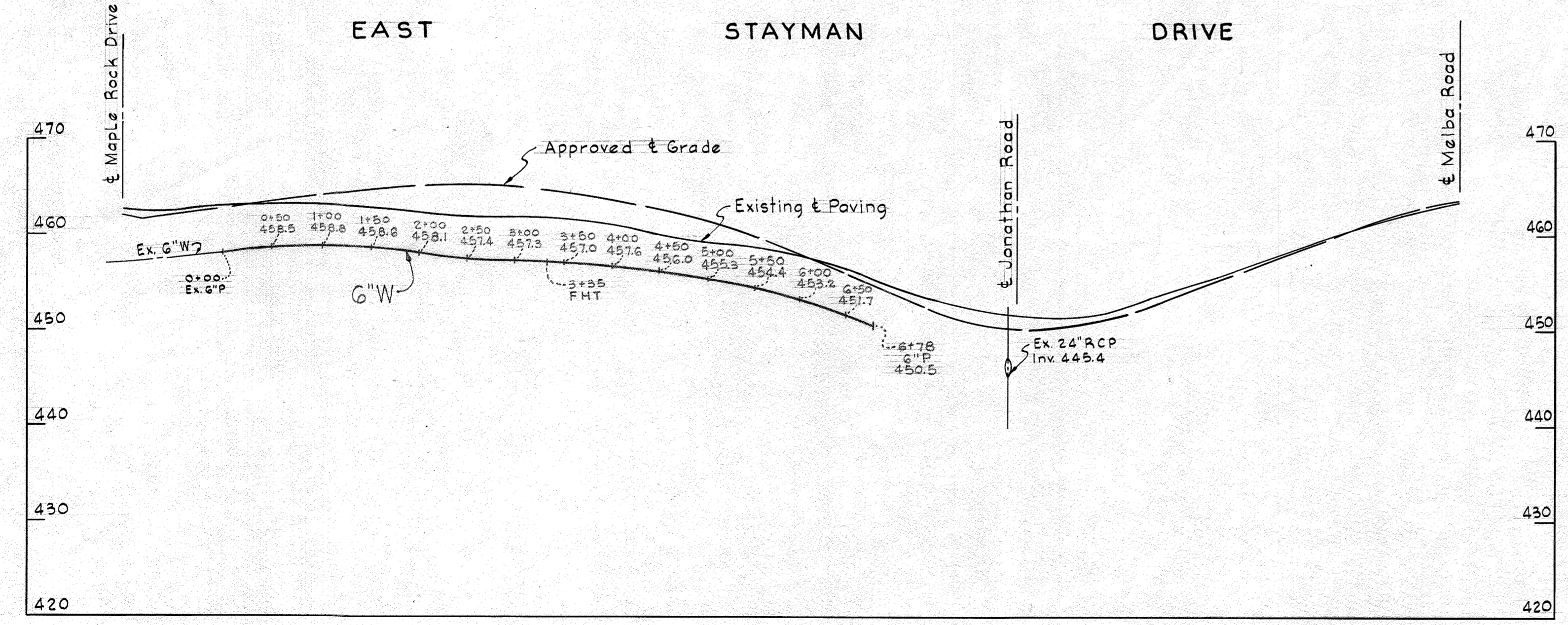
AS BUILT 15 NOV. 1965

LIM 71W/7

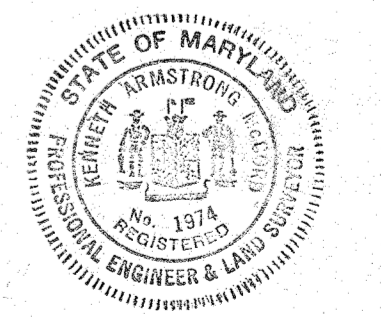




**PLAN**  
Scale: 1"=50'



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



*James M. Wood*

Contract No. 71W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE: Feb. 2, 1965 <i>W. O. Elliott</i> CHIEF ENGINEER	CONTRACT NO. 71-W	PLAN AND PROFILE OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 7A OF 21 SCALE AS SHOWN 187 2xw40, 2xw41
---	---	-------------------	------------------------------------	----------------------------	---

W. O. 5318-2

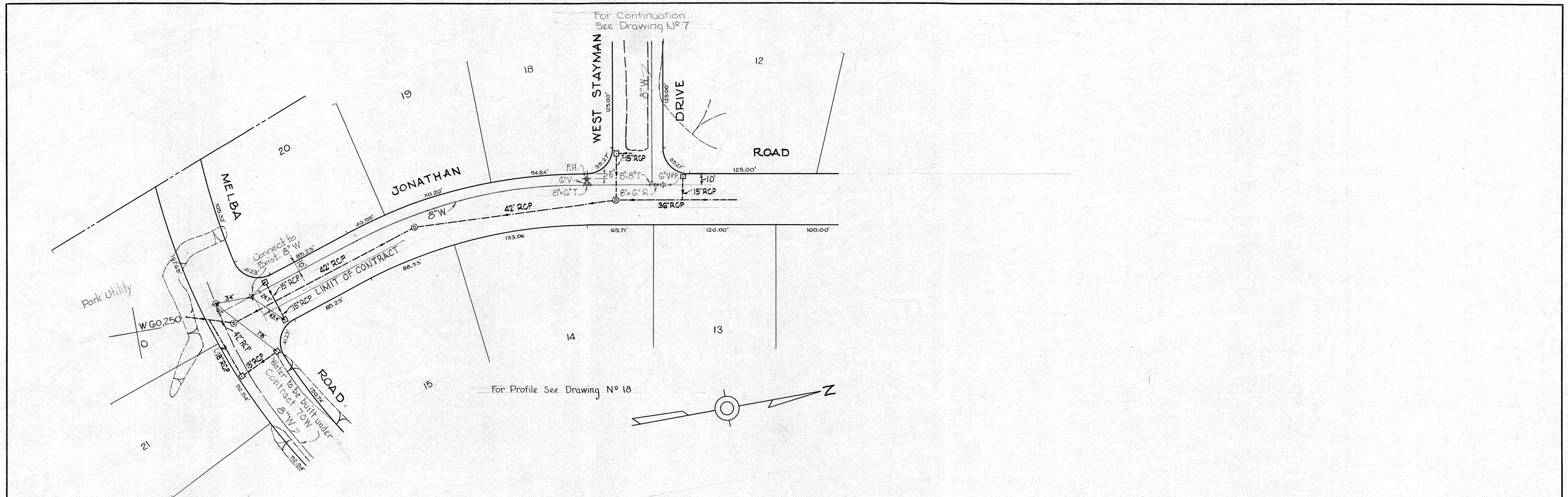
AS BUILT 5 NOV. 1965

F.B. 3326

WS 71-W/7A



8/ML/SM



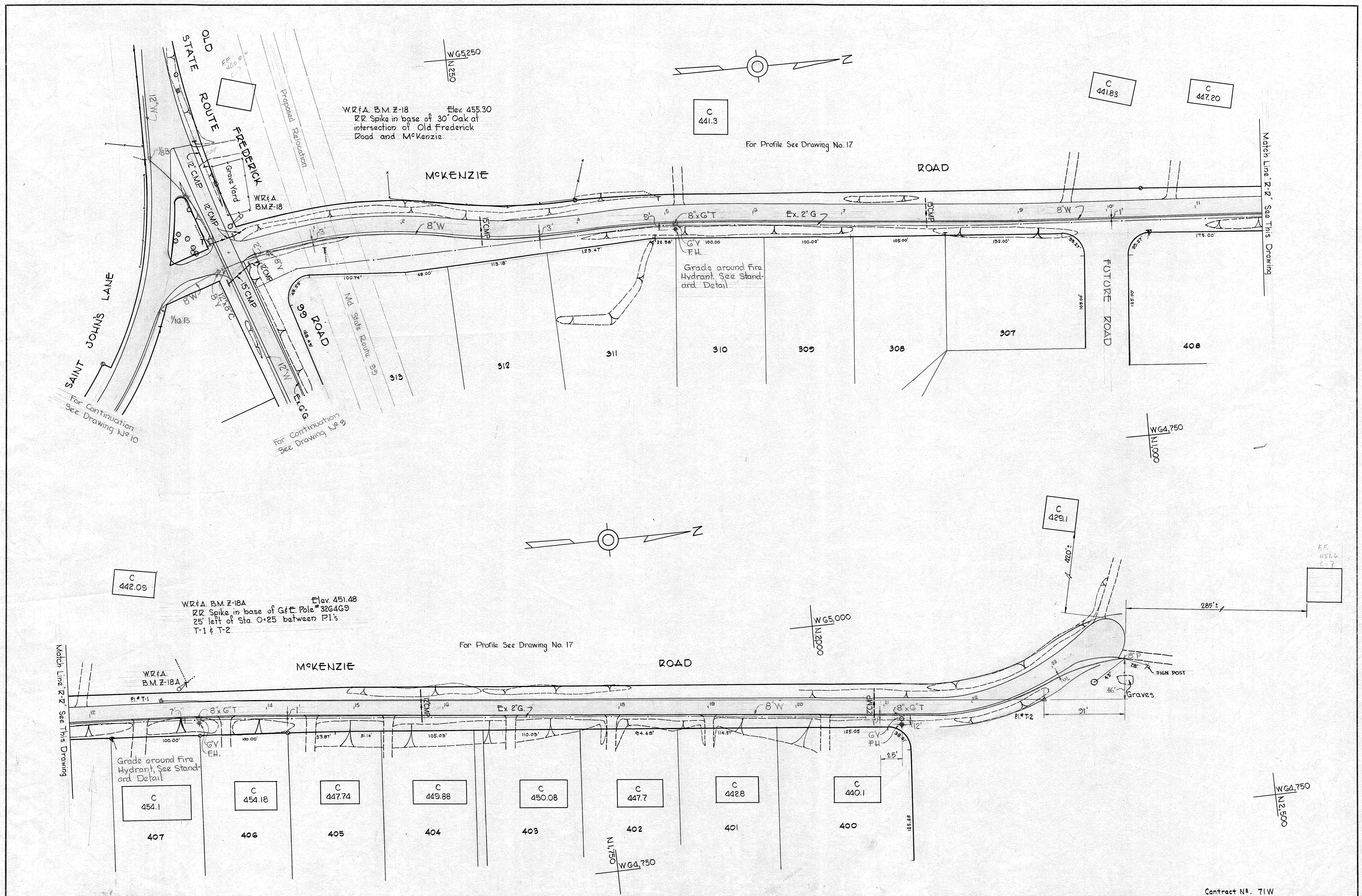
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan 3, 1964 DATE <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 8 OF 21 SCALE 1"=50' TNW41
---	--	------------------	------------------------	----------------------------	--

W. O. 5318 - 2

AS BUILT 5 NOV. 1965



6/11/11 SM



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE <u>Jan 3, 1964</u> <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. <u>71 W</u>	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	Contract No. 71W DRAWING NO. <u>9</u> OF <u>21</u> SCALE <u>1"=50'</u>
---	--	--------------------------	------------------------	----------------------------	--

W. O. 5318-2

AS BUILT NOV. 1965

F.B. 3052, 2908

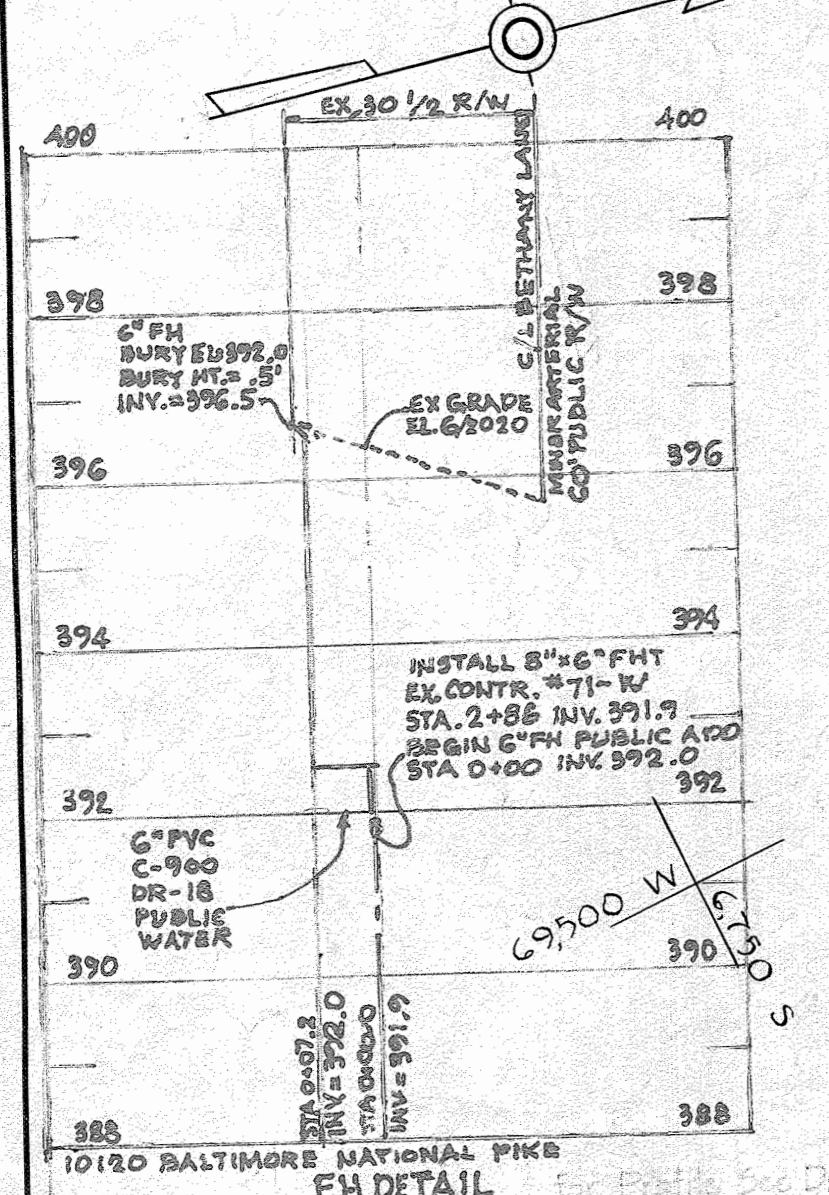
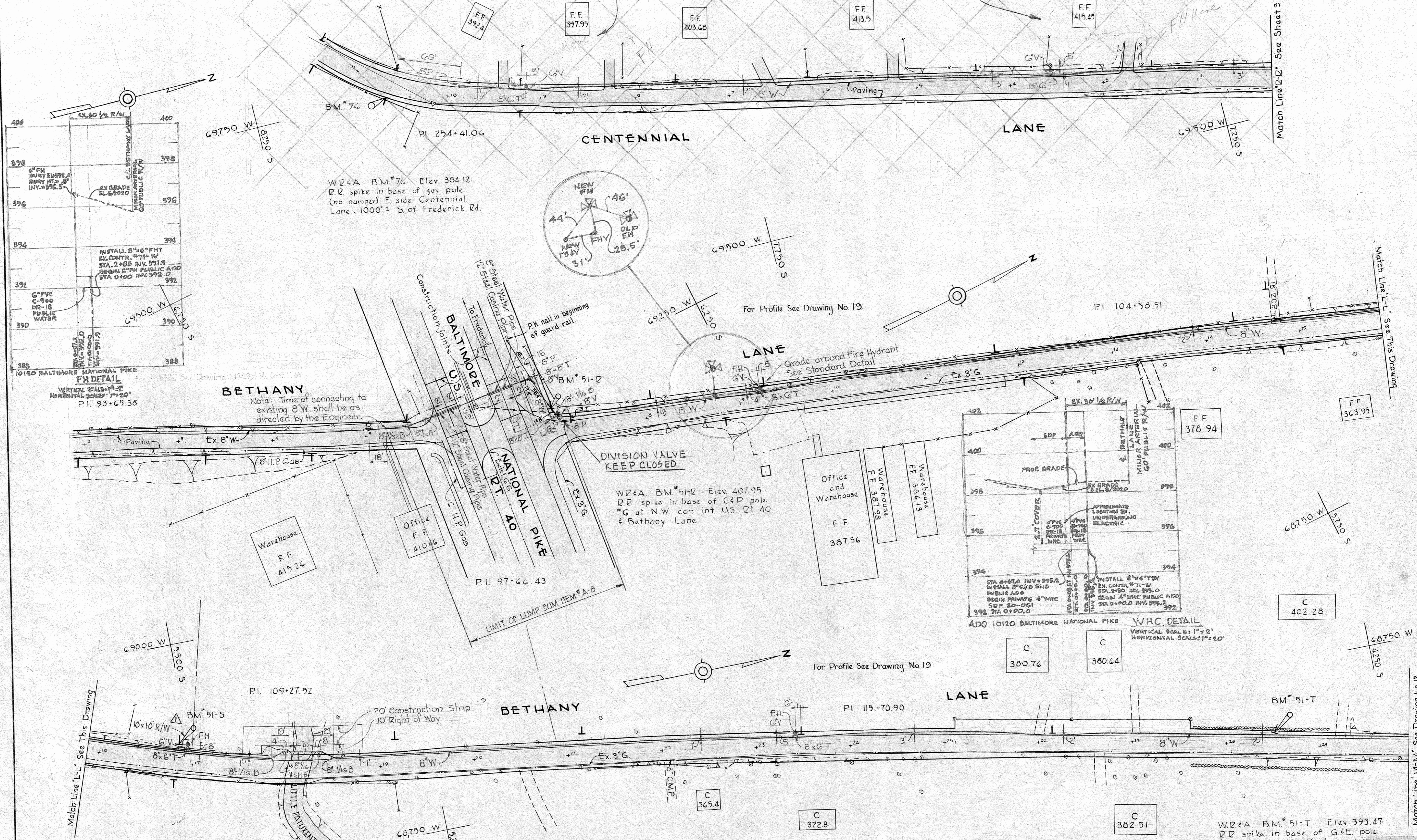




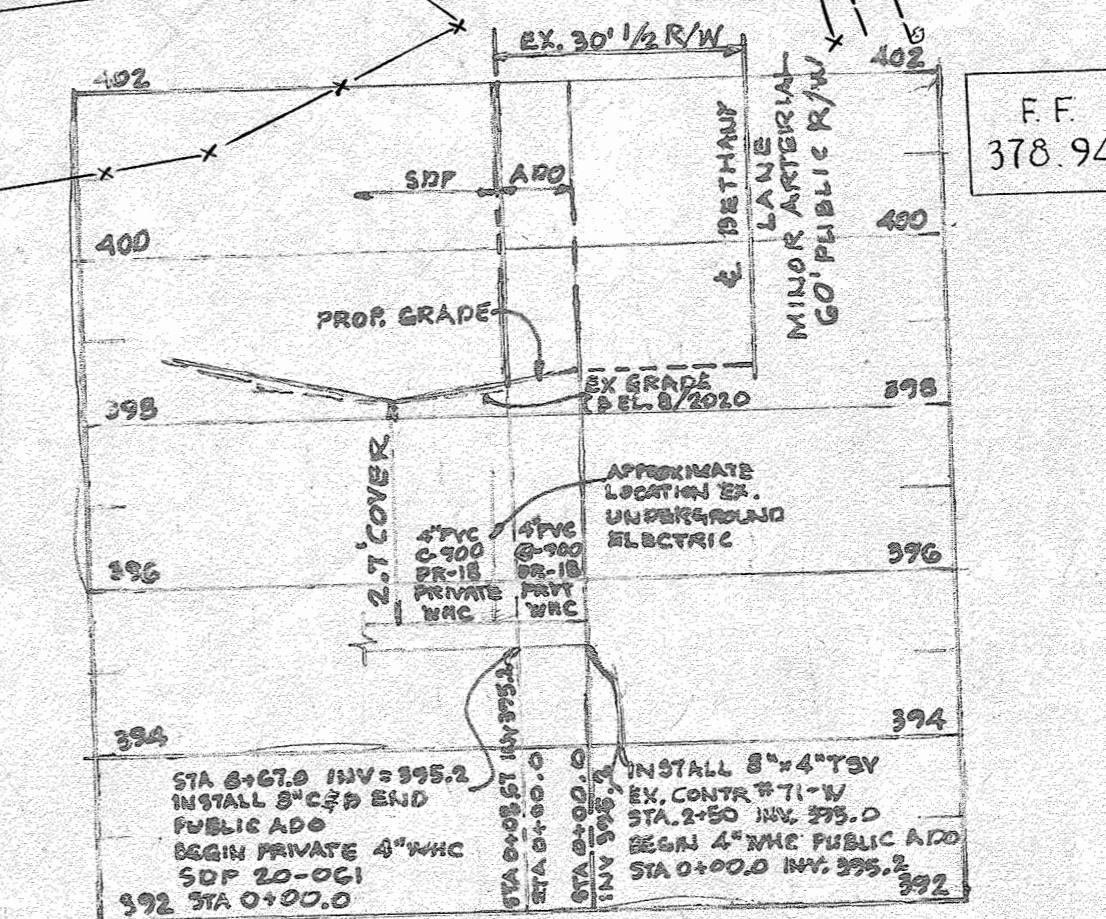


11/11/11 SM

NOT INCLUDED IN THIS CONTRACT



**BETHANY**  
 Note: Time of connecting to existing 8" W shall be as directed by the Engineer.



2 10-25-22 AS BUILT NEW HYDRANT	
1	10-14-64 Fire Hydrant relocated
N <sup>o</sup>	Date
	Revision

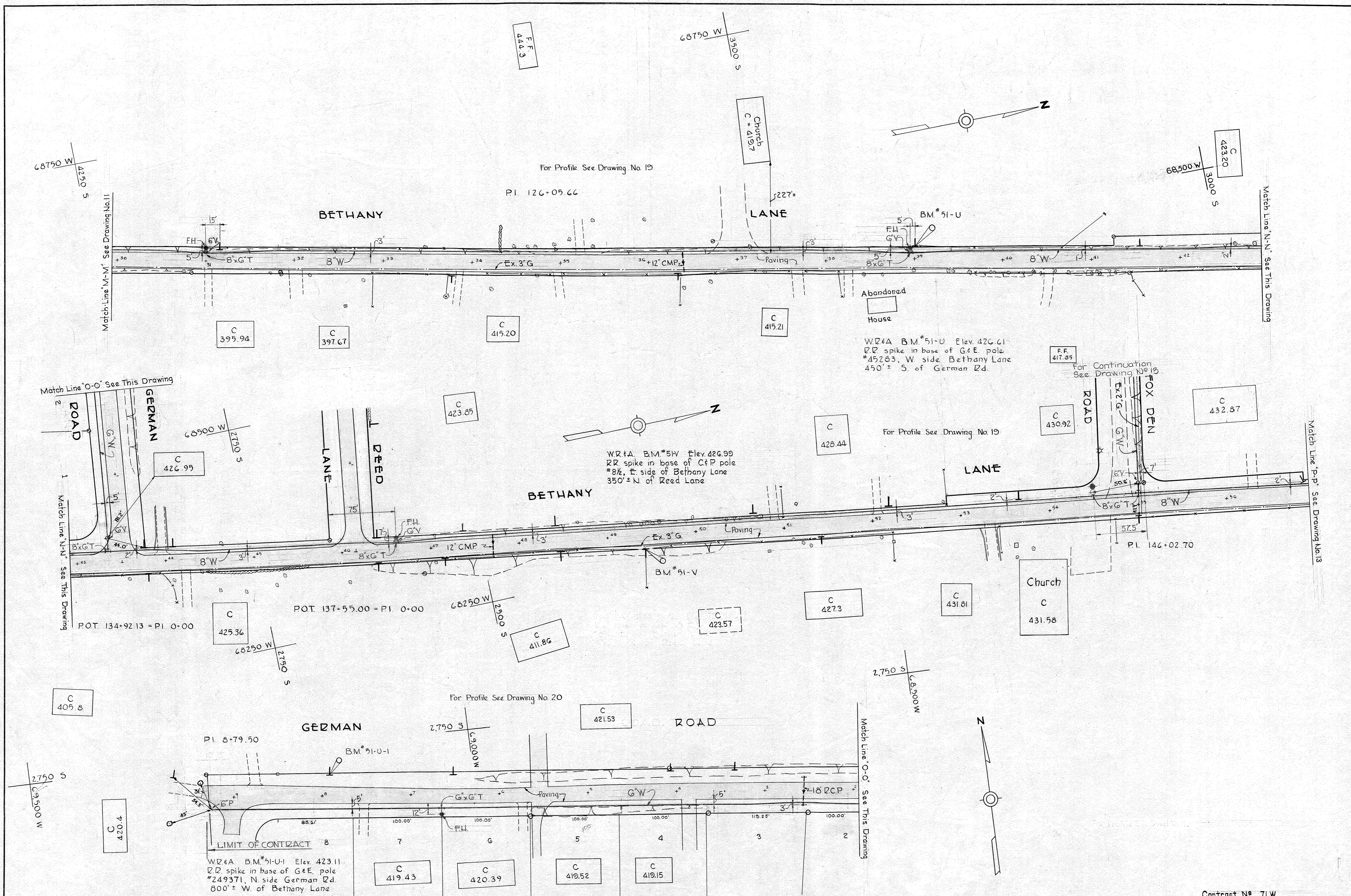
W.R.&A. B.M.#51-T Elev. 393.47  
 R.R. spike in base of G&E pole  
 #92613, W. side Bethany Lane  
 2250 ± N. of U.S. Rt. 40

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan 3 1964 DATE	CONTRACT NO. 71 W Chief Engineer	WATER PLAN OF MAIN EXTENSIONS	ELLICOTT CITY, SUB-DISTRICT	DRAWING NO. 11 OF 21	SCALE 1"=50'	75W47 86W47 95W47
					AS BUILT 5 NOV. 1965		

W.O. 5318-2



WS 71W/12



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan 3, 1964 DATE <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 71 W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 12 OF 21 SCALE 1"=50' Contract No. 71 W
---	--	-------------------	----------------------------------	----------------------------	---

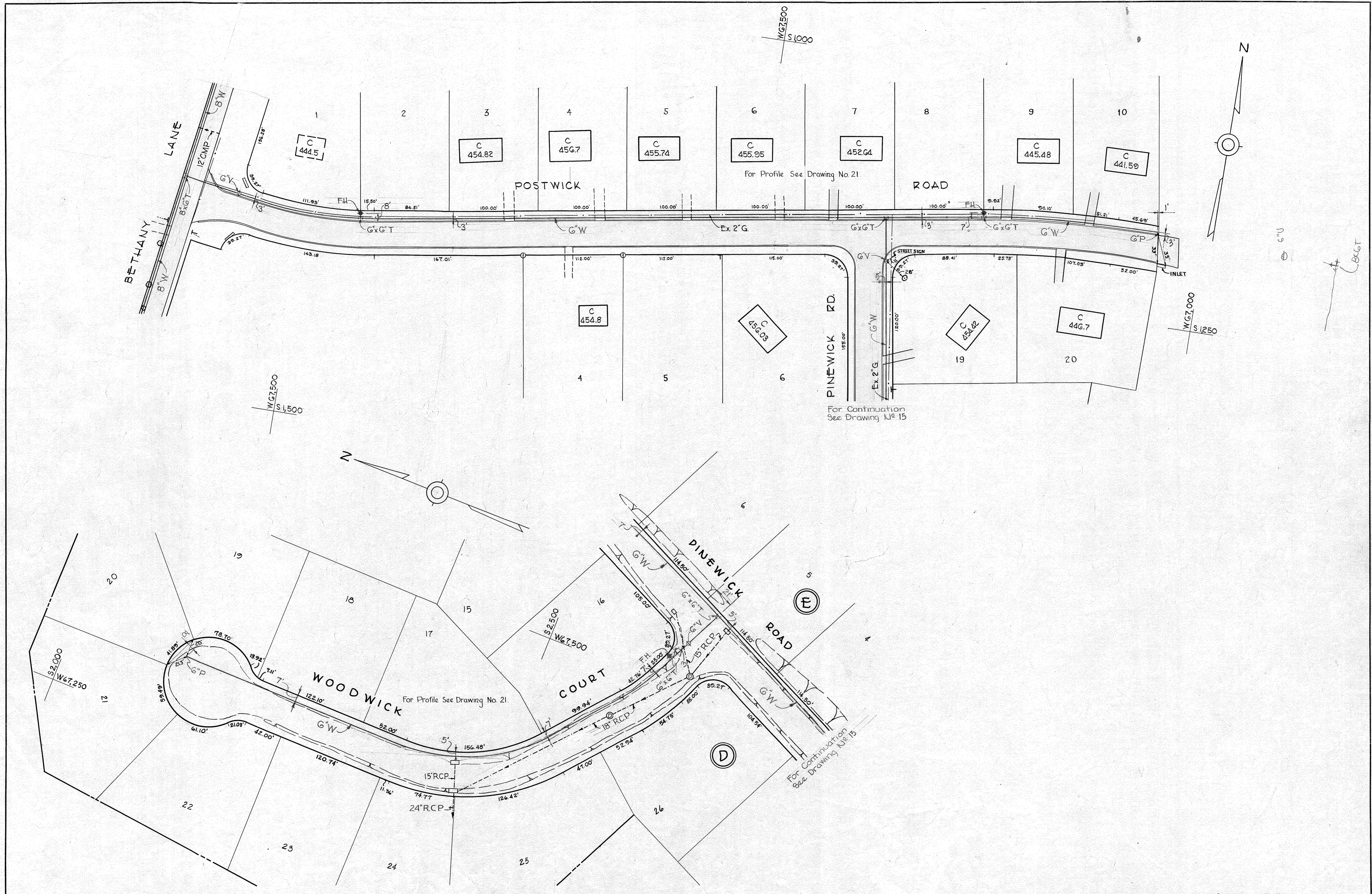
W.O. 5318-2

AS BUILT 5 NOV. 1965





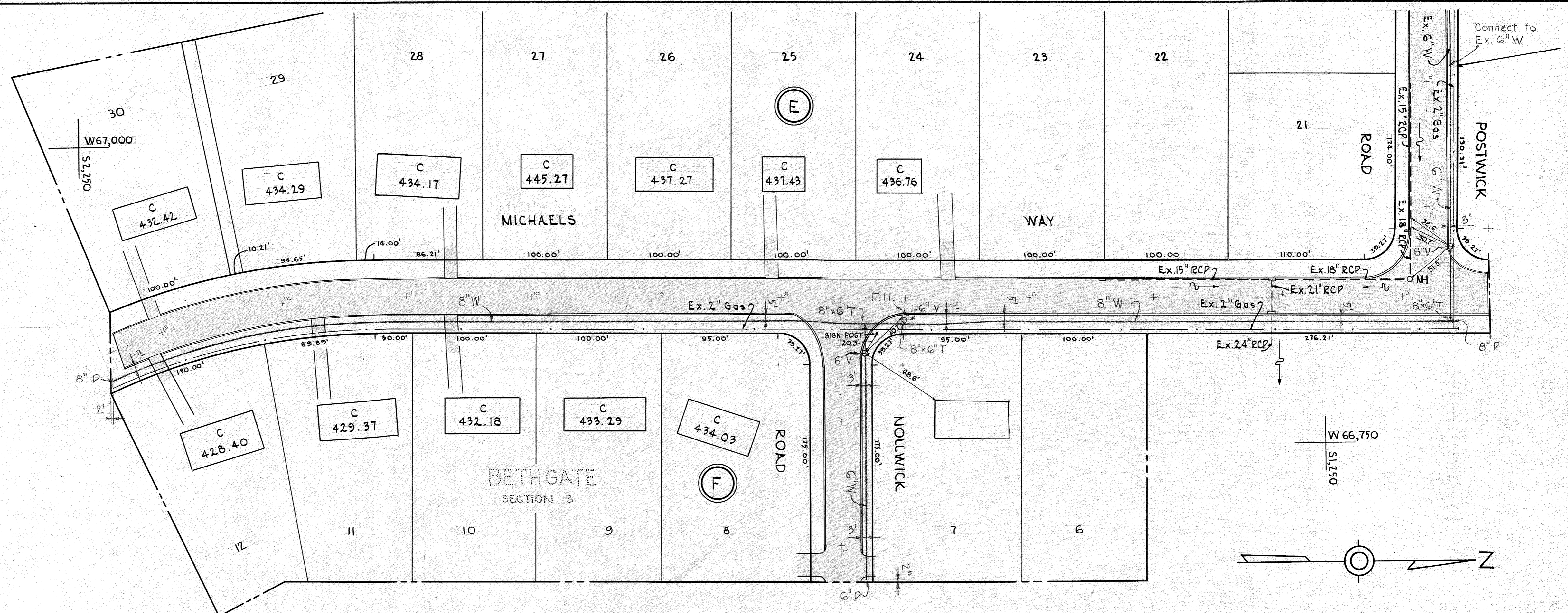




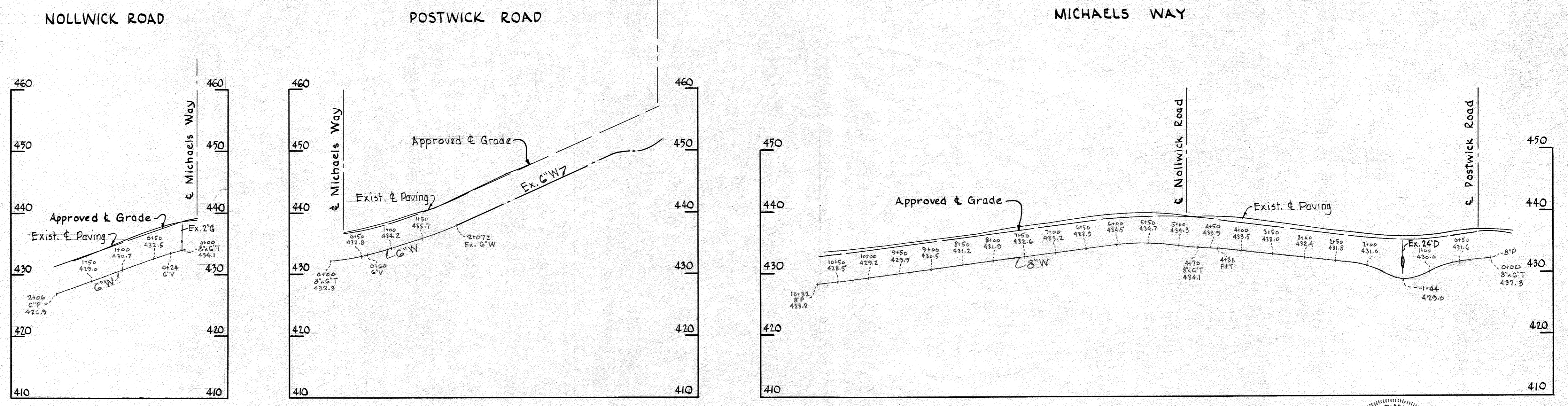
WS 71W/14

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan 3, 1964 DATE	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	Contract 71W DRAWING NO. 14 OF 21 SCALE 1"=50' 23W46 F.S. 2171
---	--	------------------	------------------------	----------------------------	---



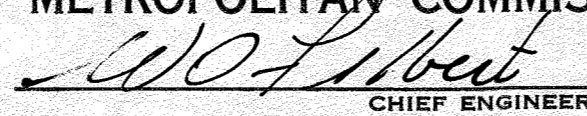


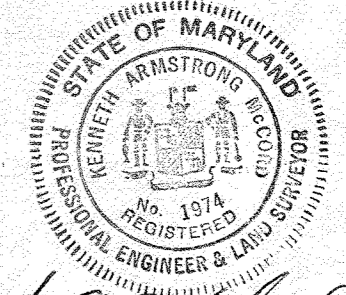
**PLAN**  
Scale: 1" = 50'



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

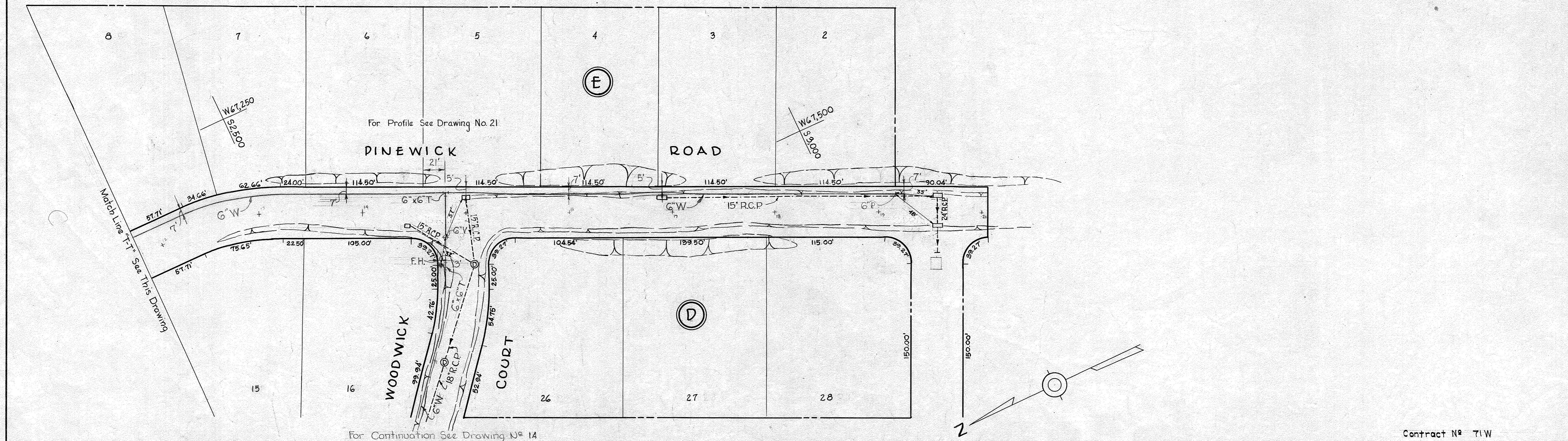
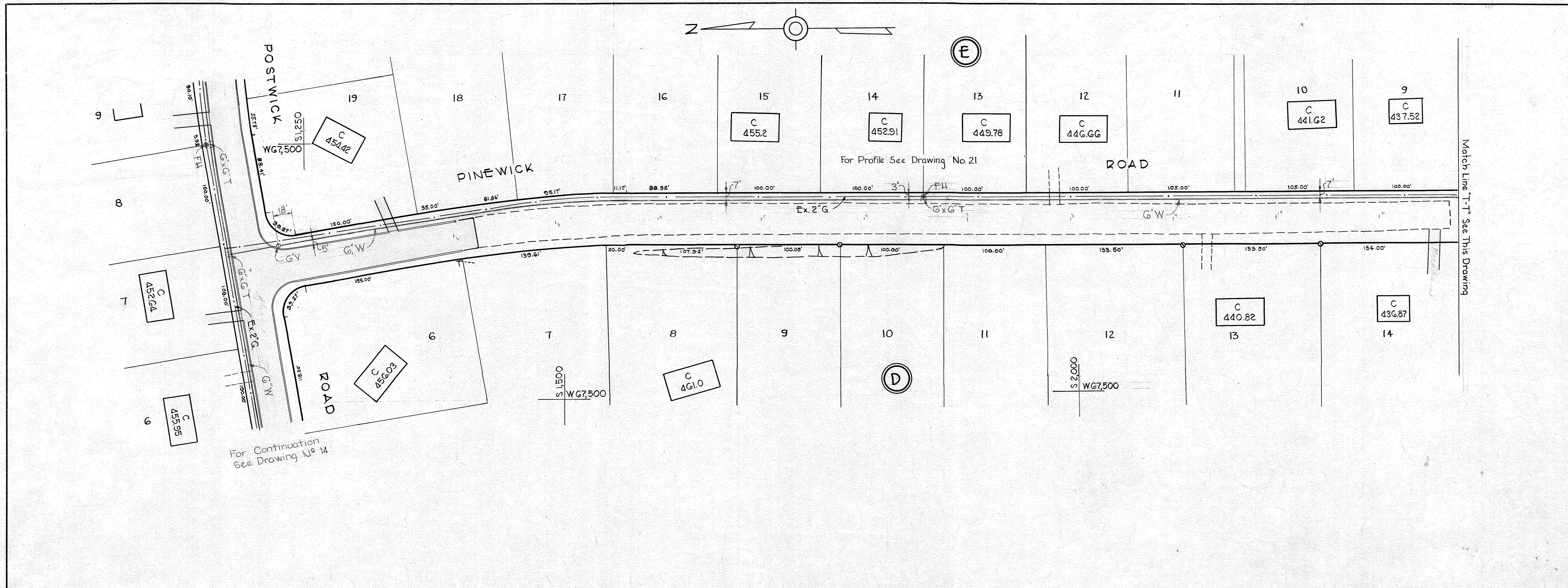
WS 71W/14-A

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Mar. 5, 1965 DATE  CHIEF ENGINEER	CONTRACT NO. 71-W	PLAN AND PROFILE OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 14A OF 21 SCALE AS SHOWN
---	--	-------------------	------------------------------------	----------------------------	--



*Kenneth G. Melrod* Contract No. 71 W





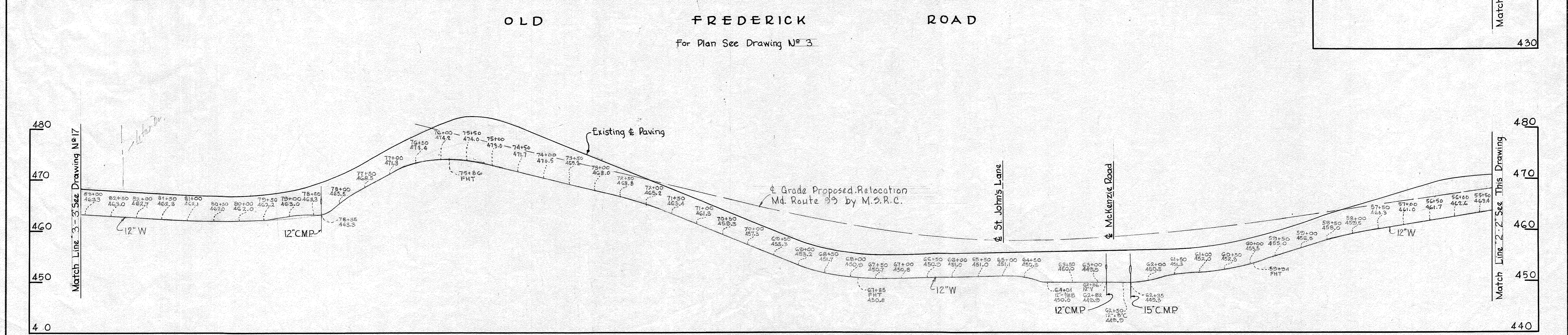
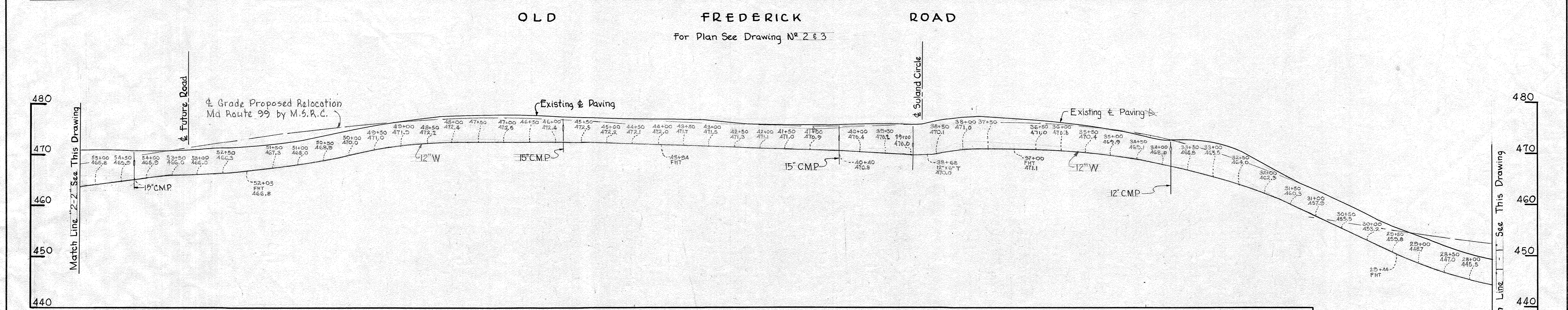
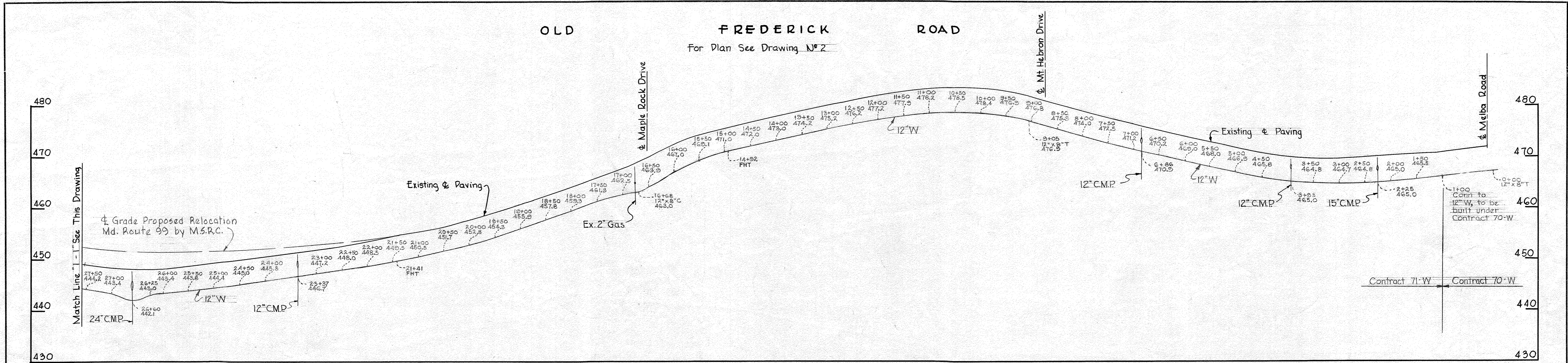
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan 3, 1964 DATE <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. 71W	PLAN OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	Contract No 71W DRAWING NO. 15 OF 21 SCALE 1"=50' 2, 3 SW 45 2 SW 46 F.B. 2171
---	--	------------------	------------------------	----------------------------	--

WS 71W/15

ELLIOTT CO., PITTSBURGH REORDER A-99070



WIS 71W/16



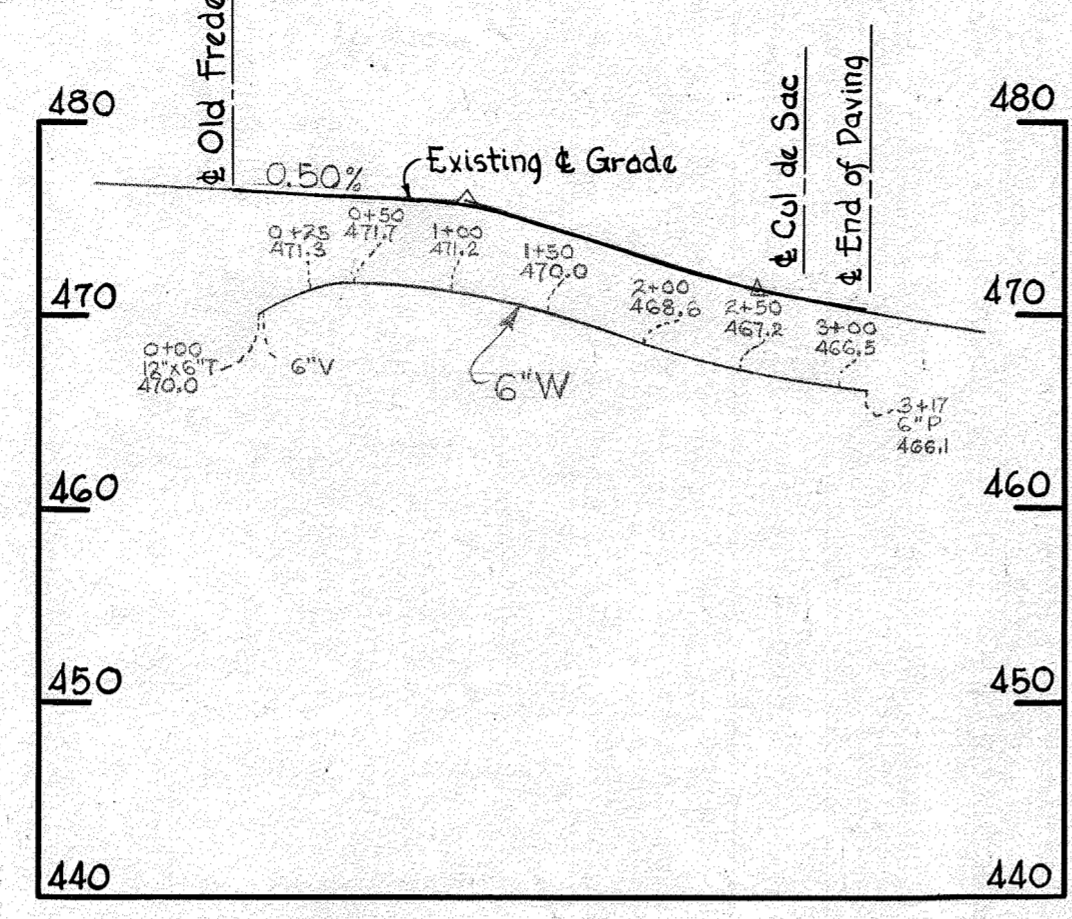
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE <u>March 20, 1964</u> <i>Carl W. Meyer</i> CHIEF ENGINEER	CONTRACT NO. <u>71W</u>	PROFILES OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	Contract No 71W DRAWING NO. <u>16</u> OF <u>21</u> SCALE H: 1" = 100' V: 1" = 10'
---	---	-------------------------	----------------------------	----------------------------	---



No.	Date	Revision
1	9-15-64	Elevated Storage Tank Relocated

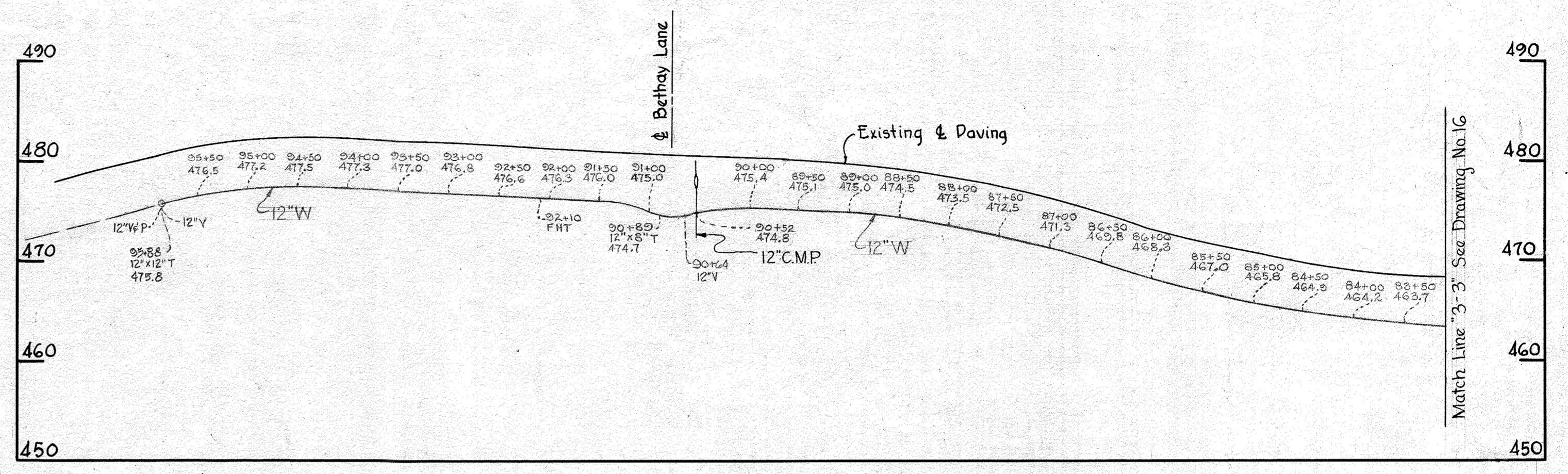
**SOLAND CIRCLE**

For Plan See Drawing No 2



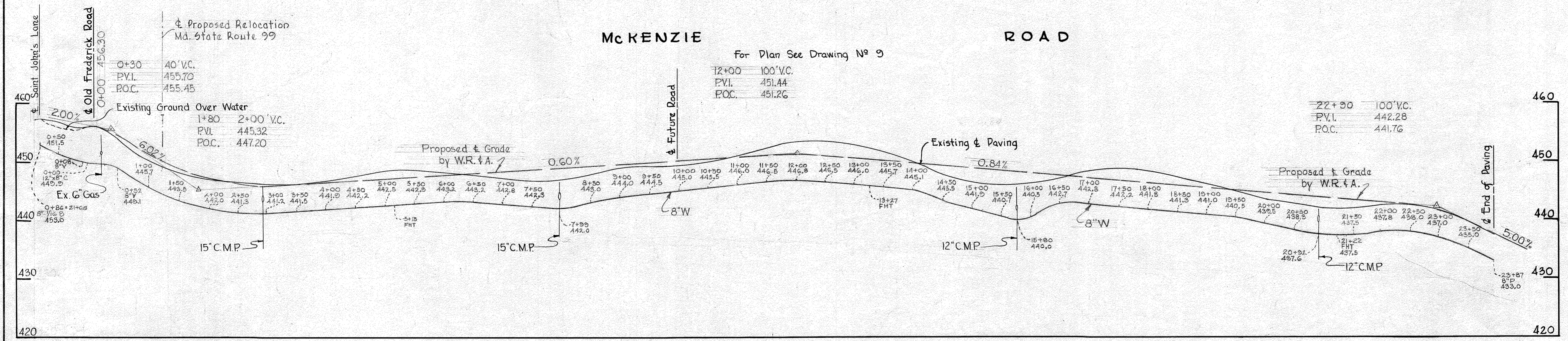
**OLD FREDERICK ROAD**

For Plan See Drawing No 4



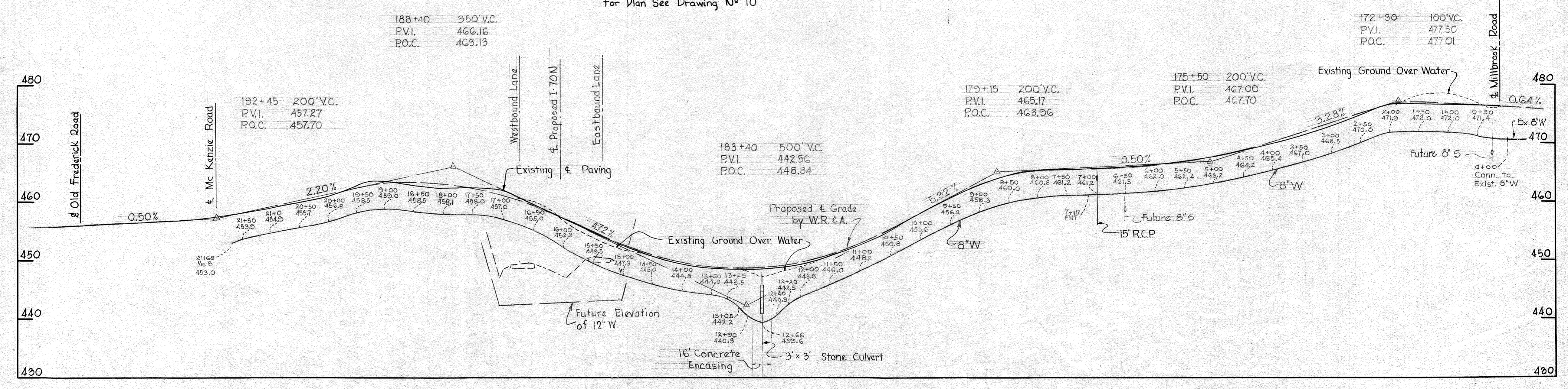
**McKENZIE ROAD**

For Plan See Drawing No 9



**SAINT JOHN'S LANE**

For Plan See Drawing No 10



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

HOWARD COUNTY METROPOLITAN COMMISSION  
March 20, 1964  
DATE  
*Carl W. Meyer*  
CHIEF ENGINEER

CONTRACT NO. 71W

PROFILES OF  
WATER MAINS

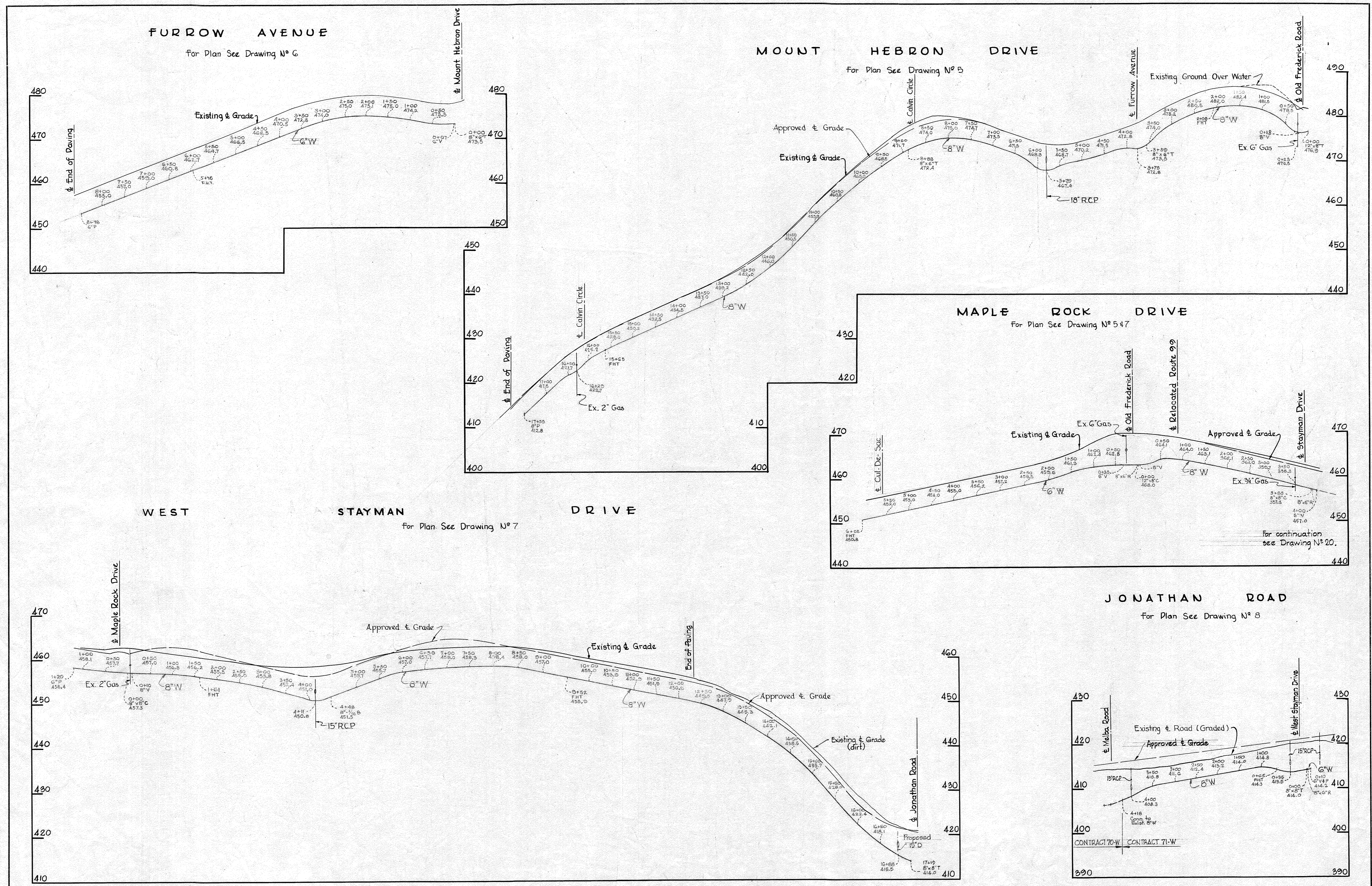
ELLCOTT CITY SUB-DISTRICT

Contract No 71W  
DRAWING NO. 17 OF 21  
SCALE H: 1" = 100'  
V: 1" = 10'

WIS 71W/17



WS 71W/18



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 20, 1964 DATE	CONTRACT NO. 71W	PROFILES OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	Contract N° 71 W
					DRAWING NO. 18 OF 21

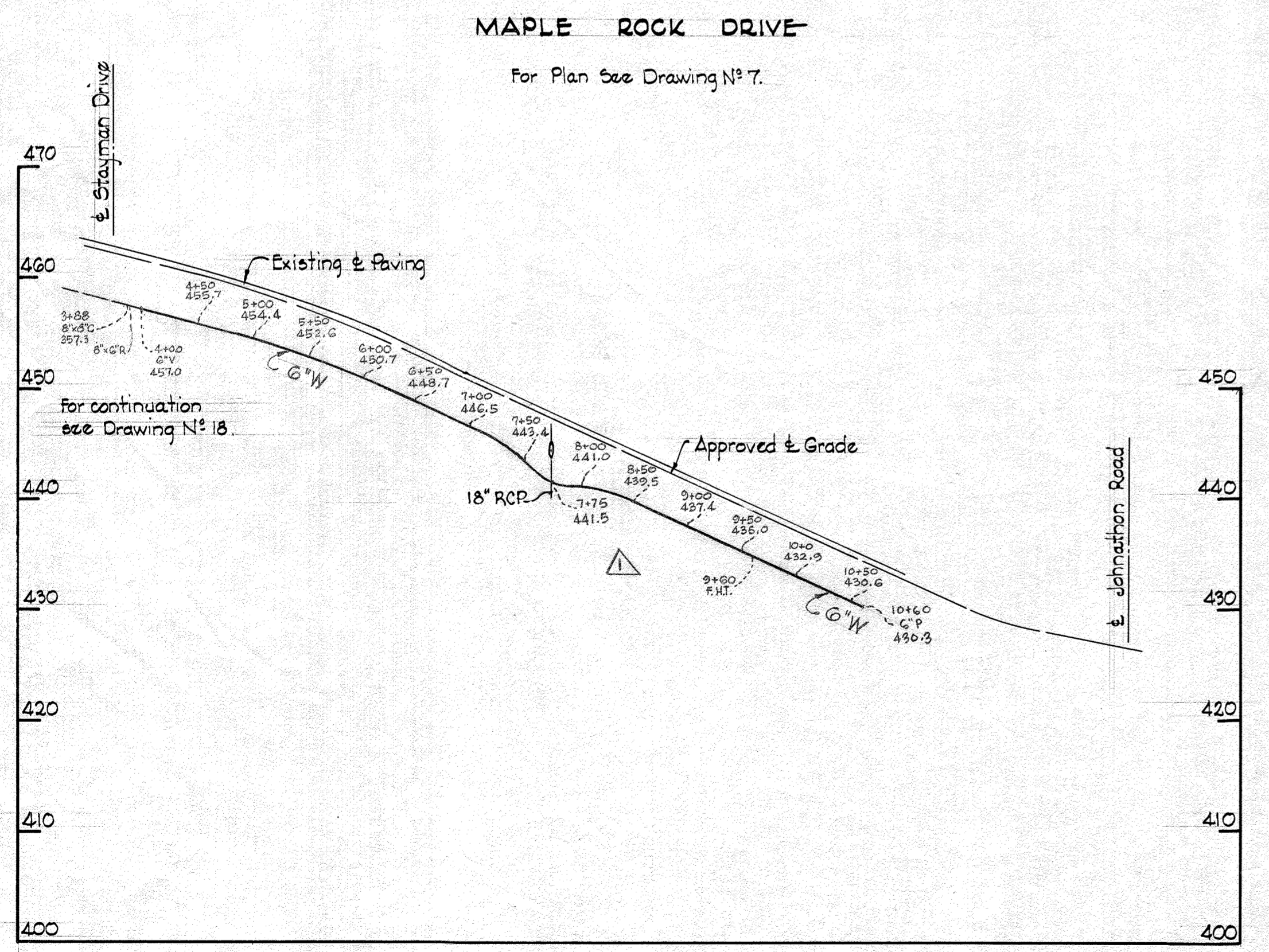
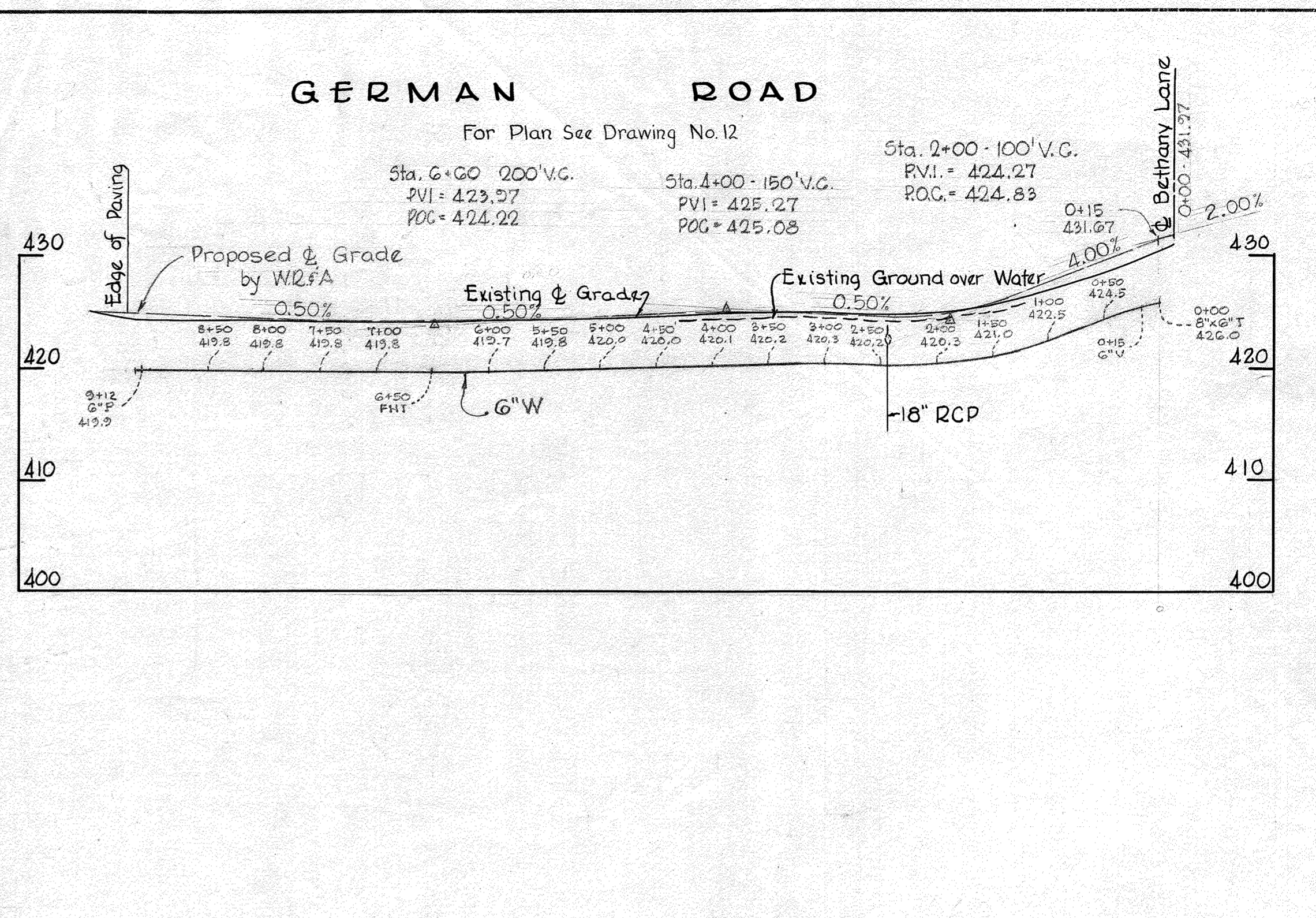
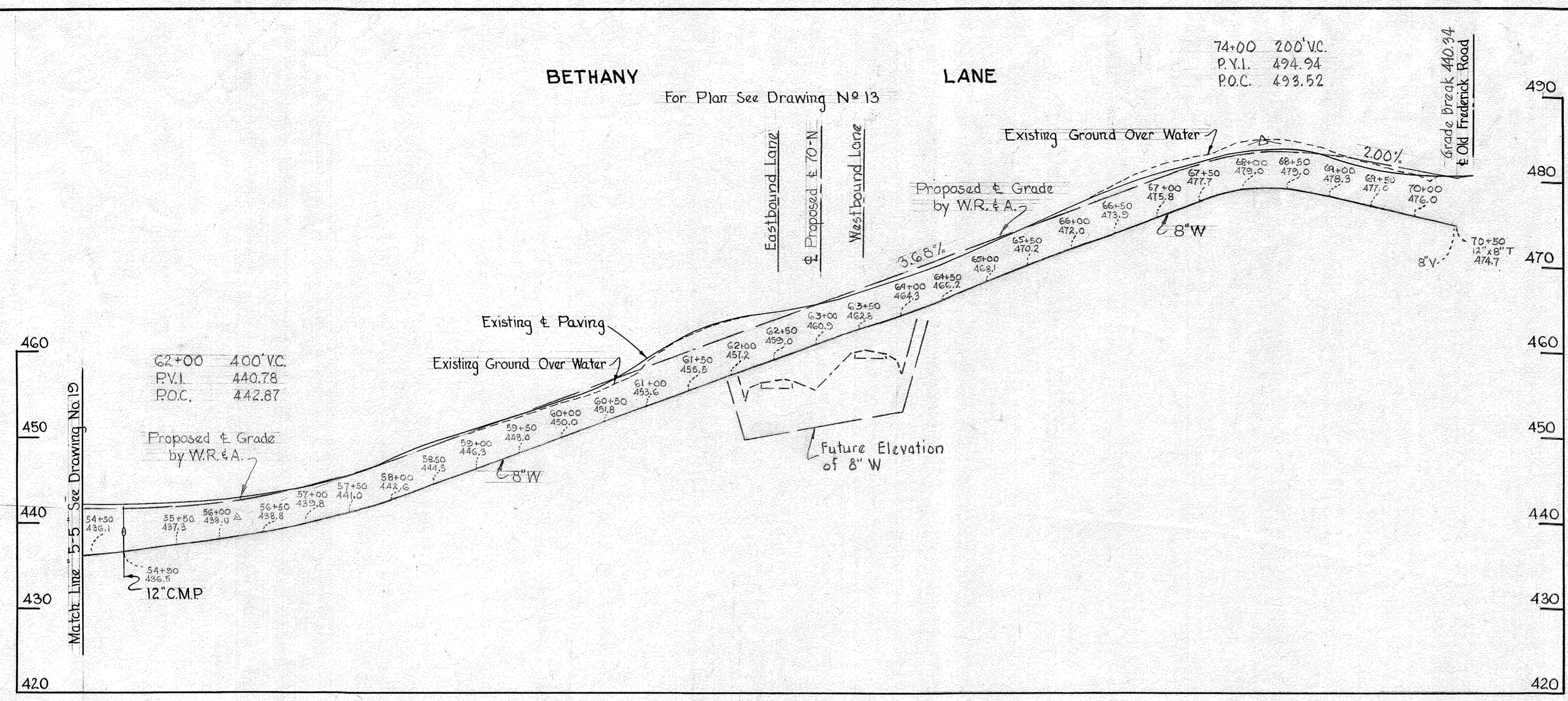
W. O. 5318-2

AS BUILT 5 NOV. 1965









△ 11-18-64	Added Profile of Maple Rock Drive (6" W)
N <sup>o</sup> Date	Revision

Contract N<sup>o</sup> 71W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 20, 1964 DATE <i>Carl W. Neuffer</i> CHIEF ENGINEER	CONTRACT NO. 71W	PROFILES OF WATER MAINS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 20 OF 21	SCALE H: 1" = 100' V: 1" = 10'
---	---	------------------	----------------------------	----------------------------	----------------------------	--------------------------------------

W. O. 5318-2

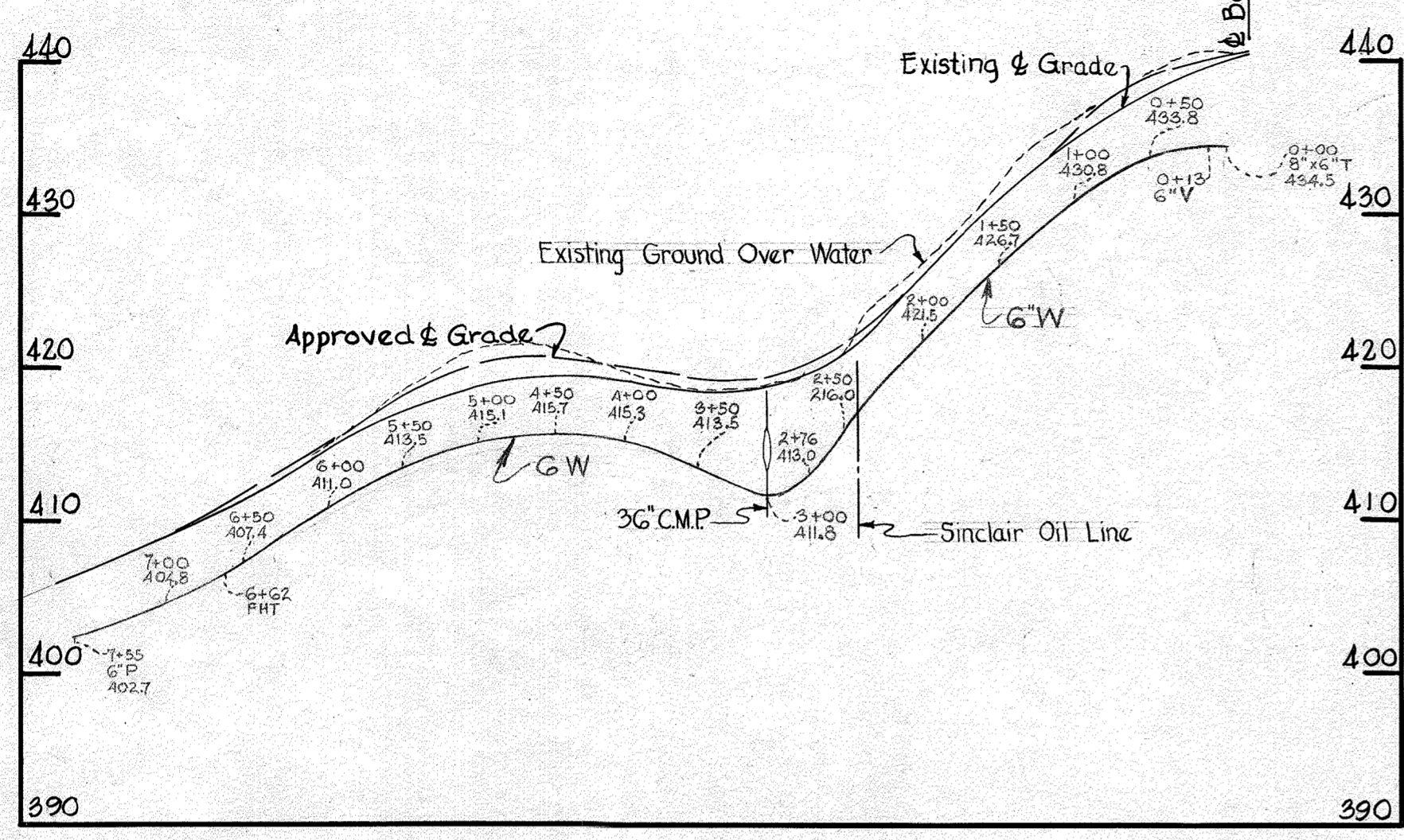
AS BUILT 5 NOV. 1965

WS 71W/20



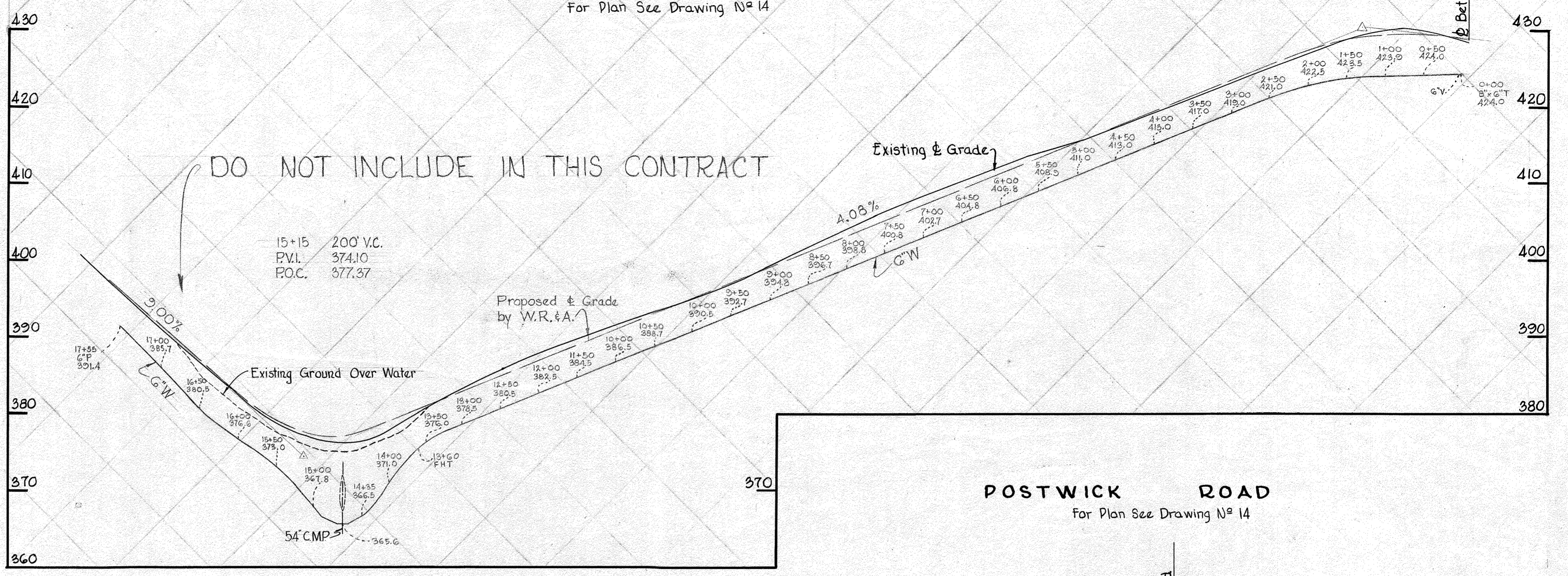
**FOX DEN ROAD**

For Plan See Drawing N° 13



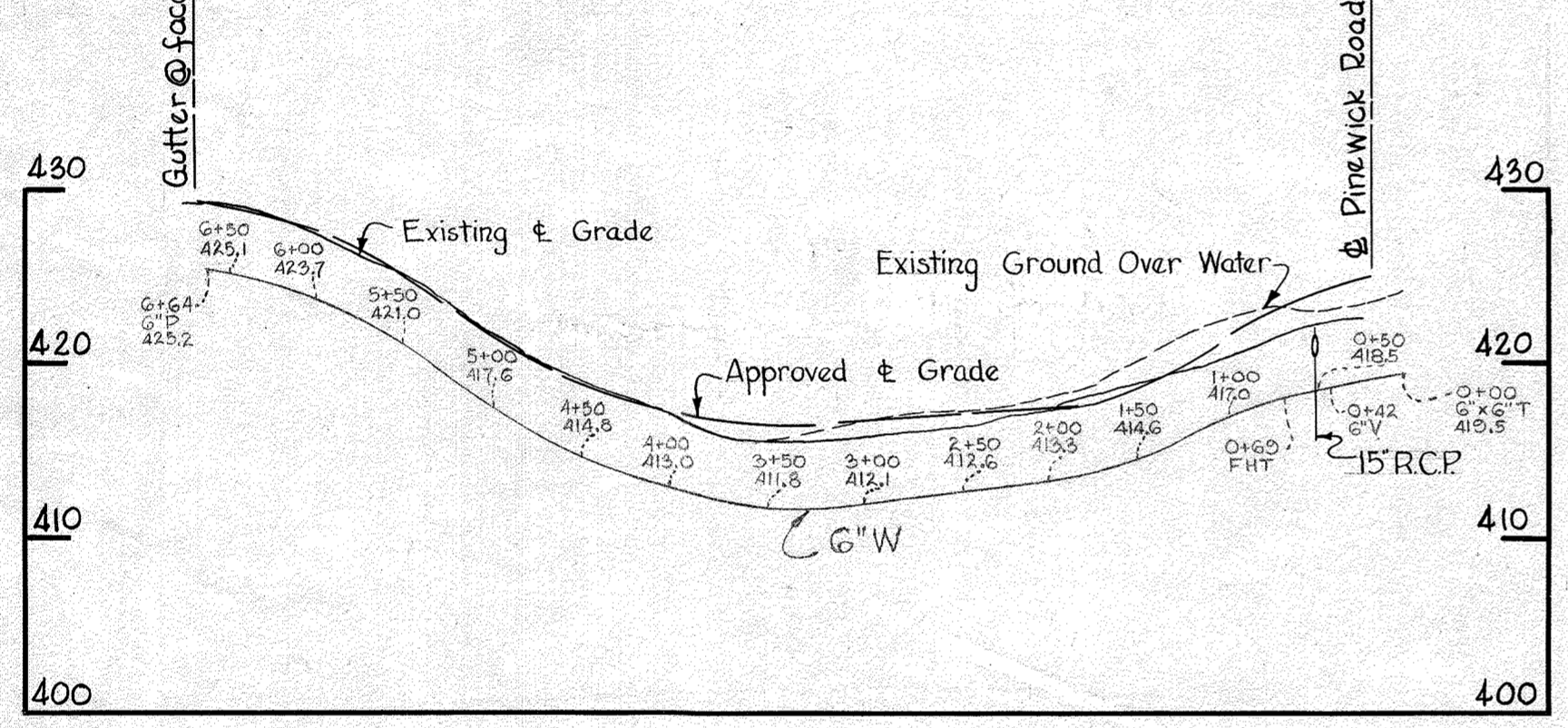
**REED LANE**

For Plan See Drawing N° 14



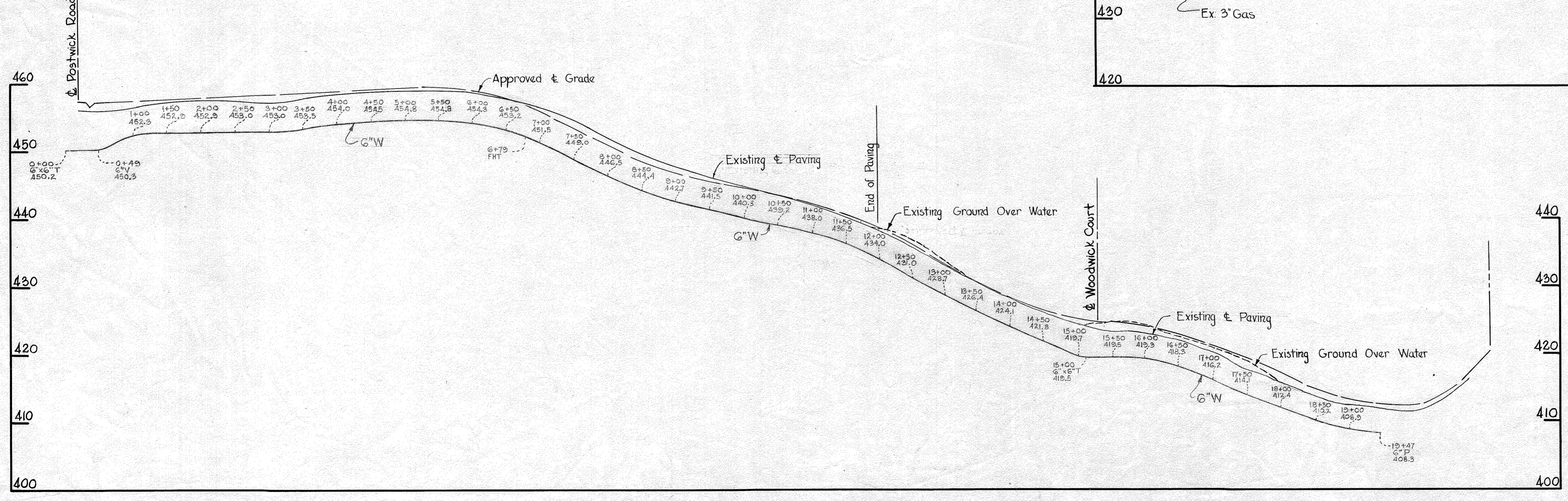
**WOODWICK COURT**

For Plan See Drawing N° 15



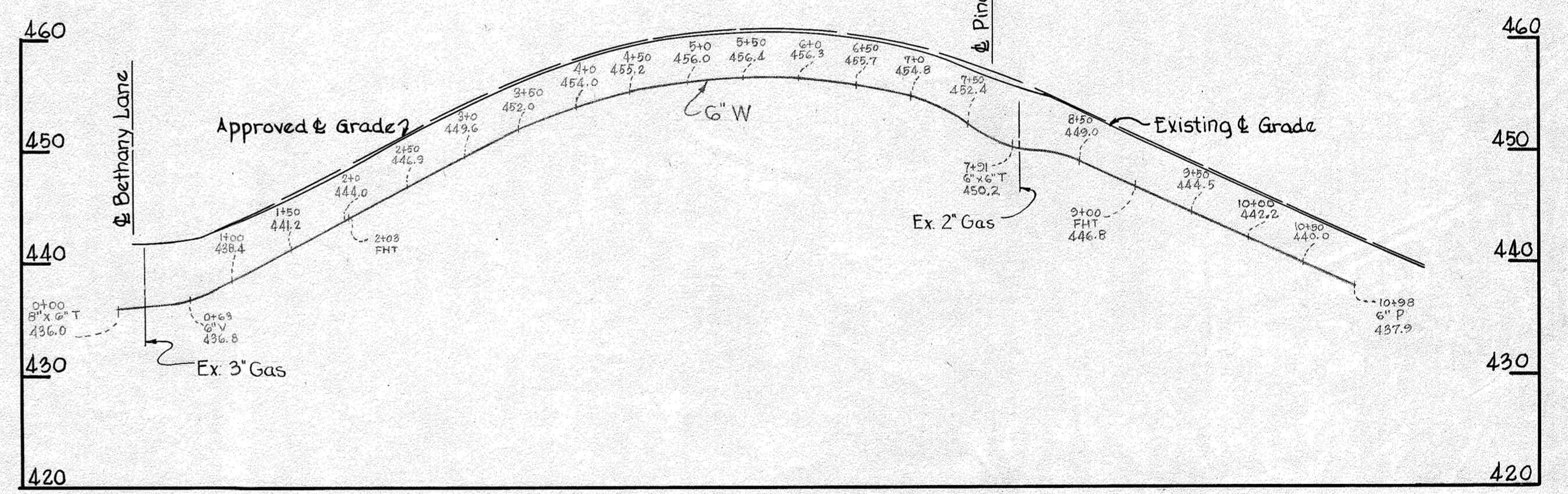
**PINEWICK ROAD**

For Plan See Drawing N° 15



**POSTWICK ROAD**

For Plan See Drawing N° 14



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

HOWARD COUNTY METROPOLITAN COMMISSION  
DATE: March 20, 1964  
Chief Engineer

CONTRACT NO. 71W

PROFILES OF WATER MAINS

ELLCOTT CITY SUB-DISTRICT

Contract N° 71 W  
DRAWING NO. 21 OF 21  
SCALE: H: 1"=100' V: 1"=10'

WS 71W/21