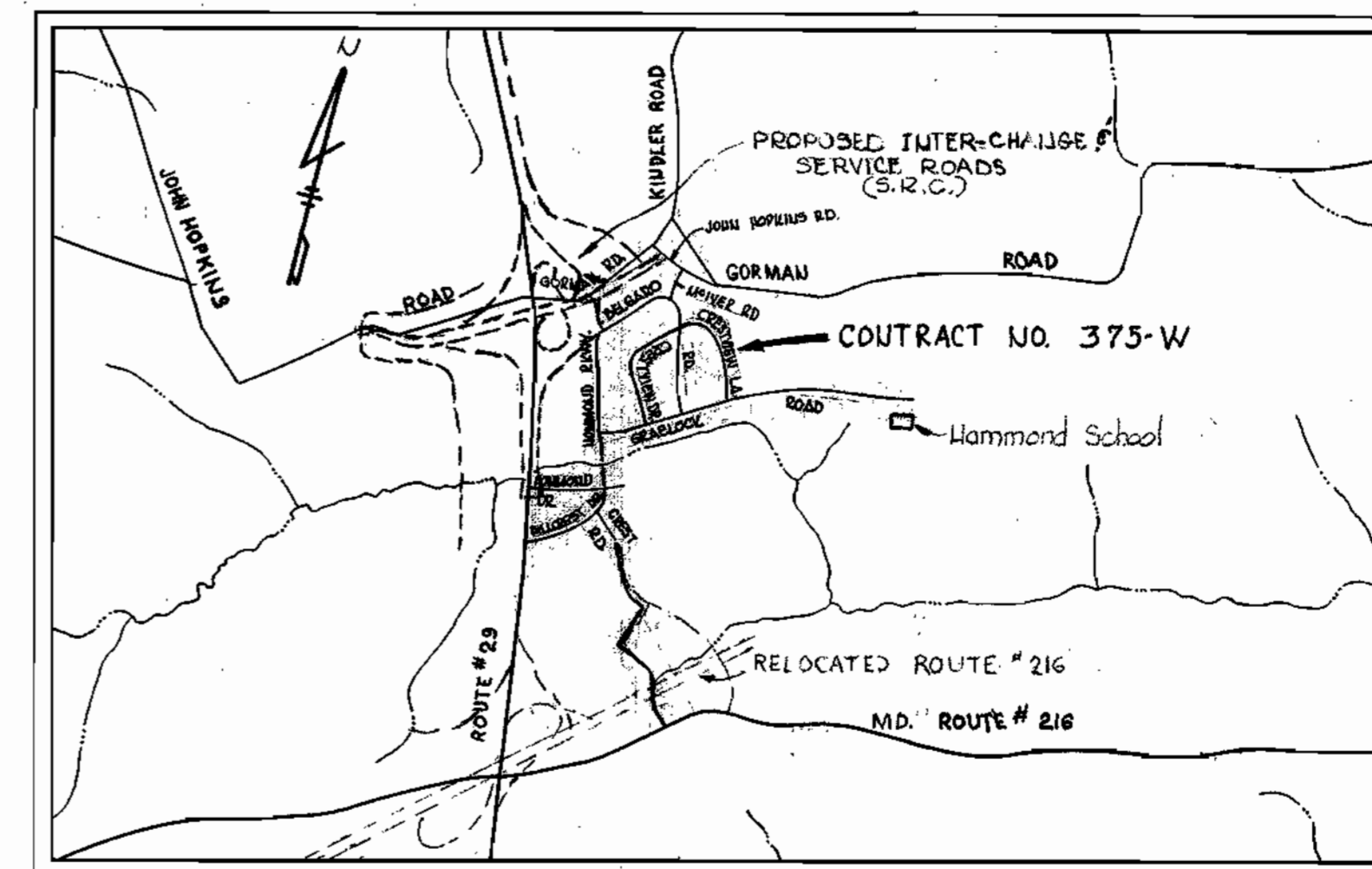


NO.	DATE	REVISION
1	7-24-70	Revised Limits of Lump Sum Item U# A-9 (12" W in 24" Casing Pipe).
2	9-29-70	Revised 12" W from Existing Rt # 21G to 12" W V & HB @ North side of R/W Line of Relocated Route # 21G.
3	9-29-70	Revised Location of 14" Valve & 2-16" x 14" R along Service Road # 4-A.

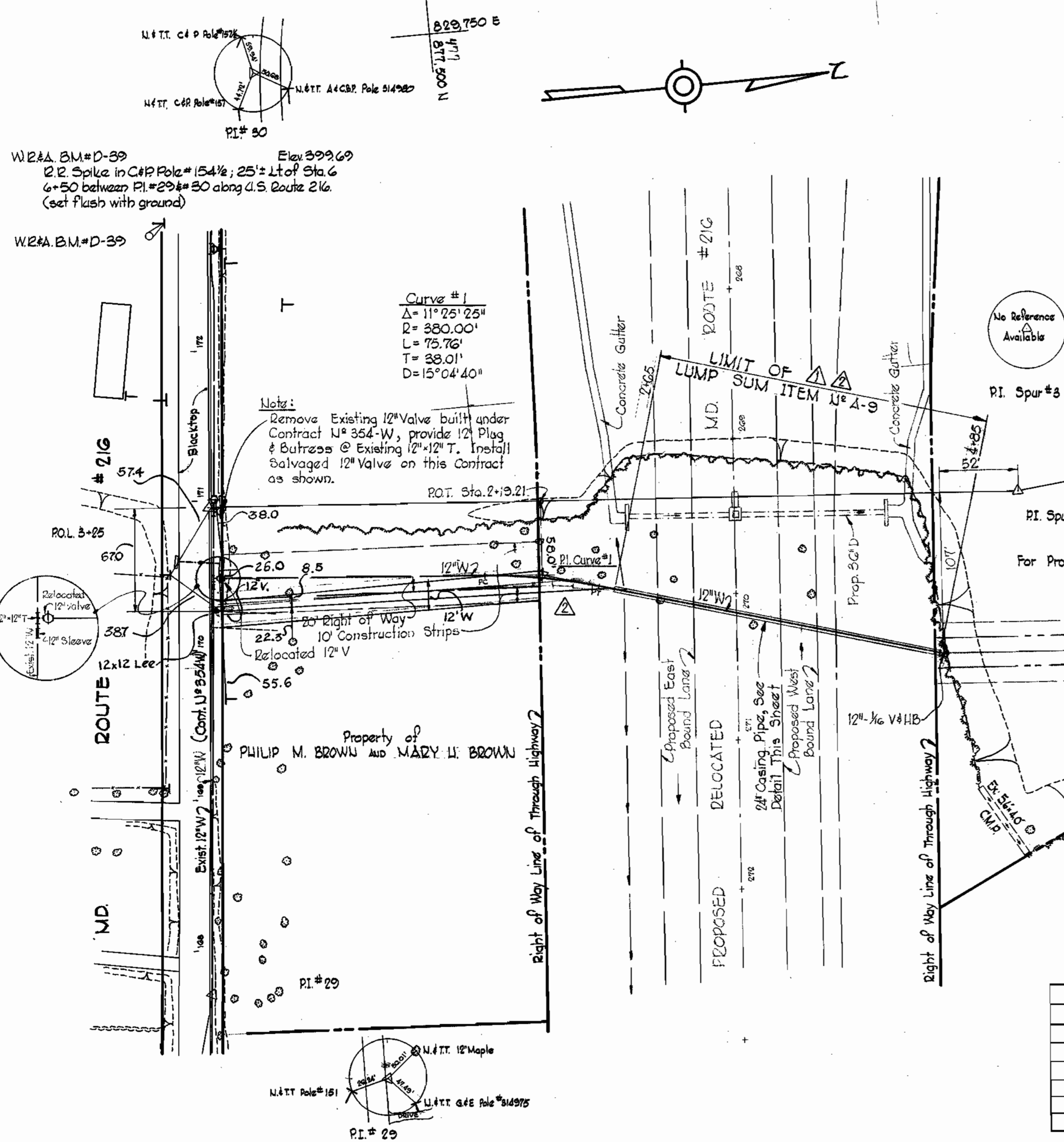
### GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert  $R$  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. All water mains shall have a minimum of 3/4" cover.
6. Block all fittings with concrete see standards bound in Specifications.
7. All Fire Hydrants shall be strapped to tees and shall be buttressed with concrete in accordance with Standard Details.
8. Clear all utilities by a minimum of 6", clear all poles by 2'-0" minimum or tunnel as required, unless otherwise noted.
9. All horizontal and vertical Controls are based on Maryland State Datum.

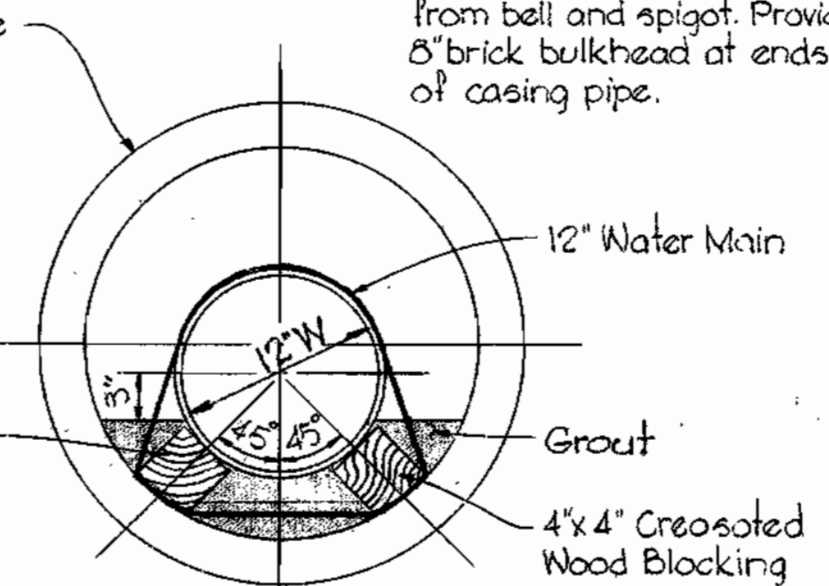


VICINITY MAP  
Scale: 1" = 2000'

As Built:  
Stake out # 4873  
Diary # 4871



QUANTITIES	
Item	Quantity
1/2" Water	4700 LF
12" Water	3400 LF
8" Water	4600 LF
6" Water	7300 LF
Fire Hydrants	20
Air Release Manhole	3



DETAIL  
24" CASING PIPE  
Scale: 1" = 1'-0"



*Kenneth A. Mccord*

Project U# 21-W  
Contract U# 375-W

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

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
7-16-70  
DATE  
*eo O. Fallick*  
CHIEF-BUREAU OF WATER AND SEWER

CONTRACT NO. 375-W

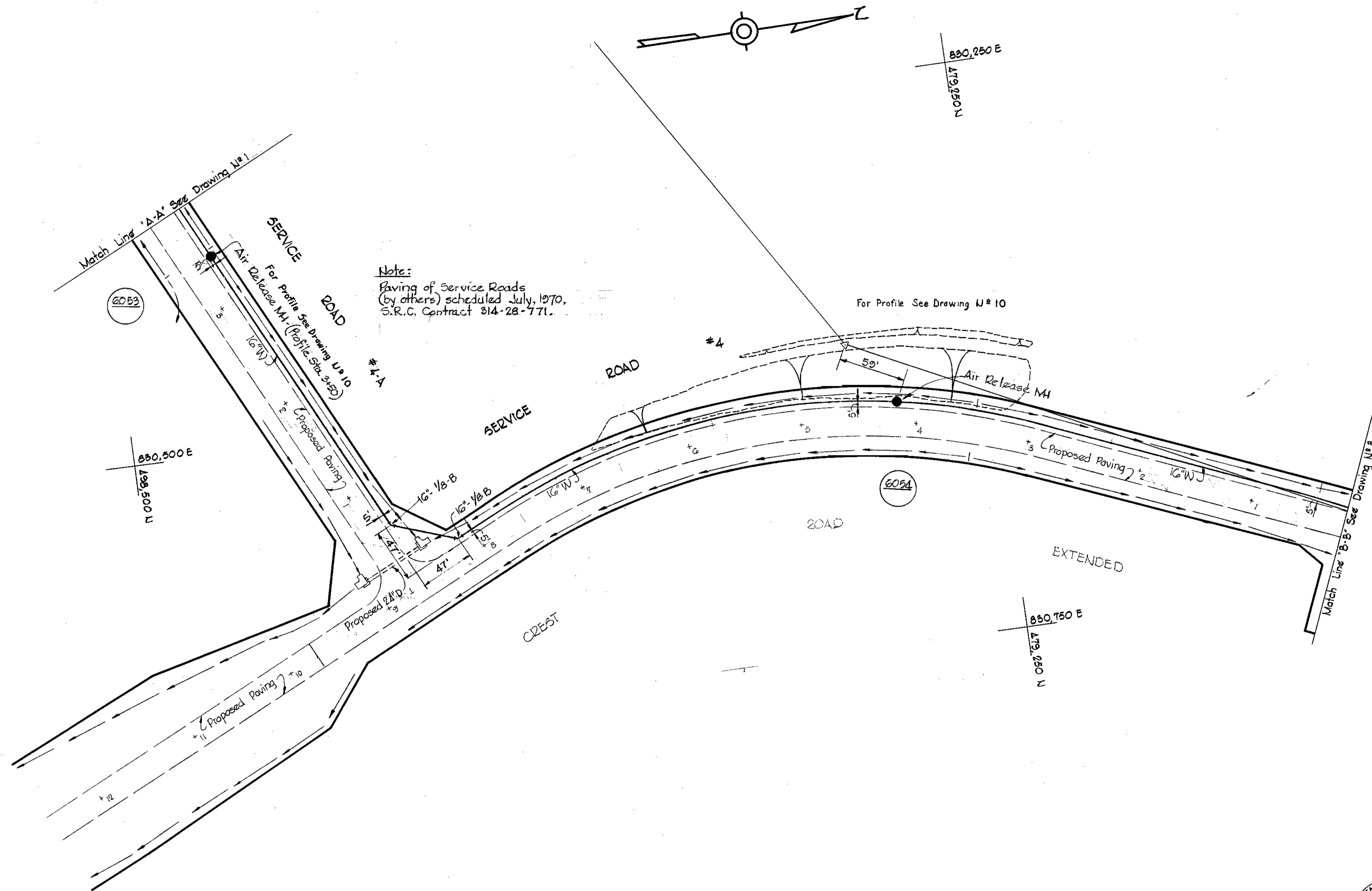
PLAN OF  
WATER MAINS

ELECTION DISTRICT  
GUILFORD NO. 6

DRAWING NO. 1 OF 13  
SCALE AS SHOWN  
478-475  
477-476

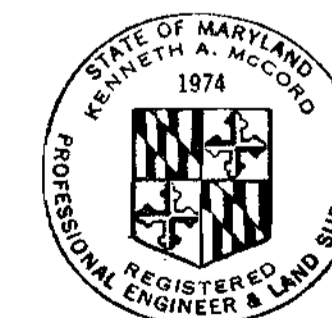
AS BUILT August 30, 1971 PE# 4627, 4586, 4608

WS 375-W/1



**Note:**  
 Paving of Service Roads  
 (by others) scheduled July, 1970,  
 S.R.C. Contract 314-28-771.

For Profile See Drawing U# 10



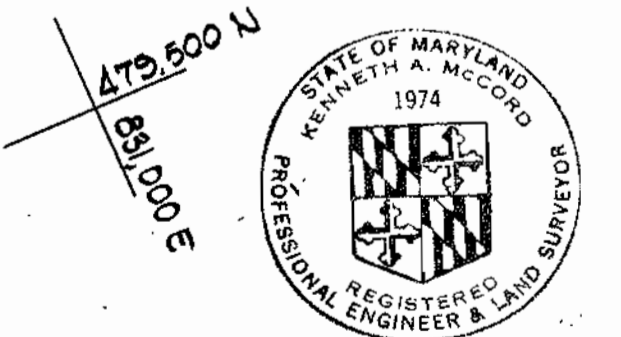
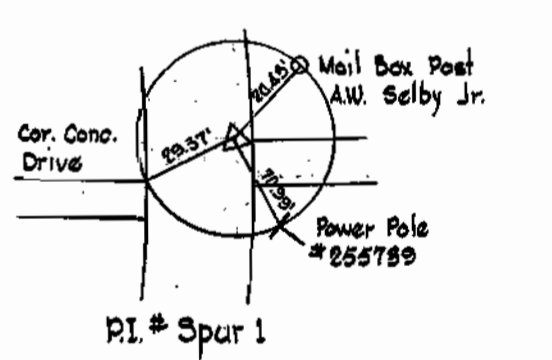
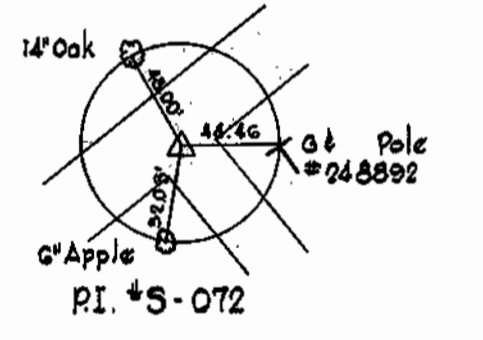
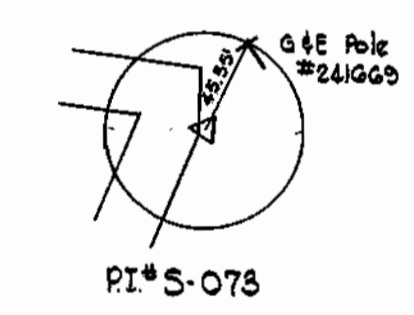
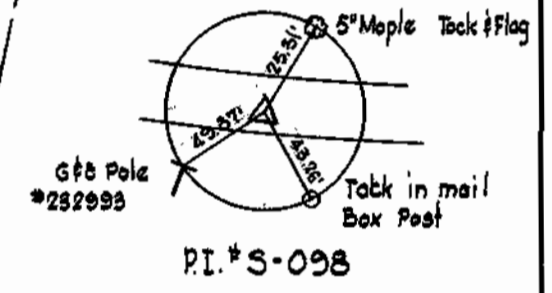
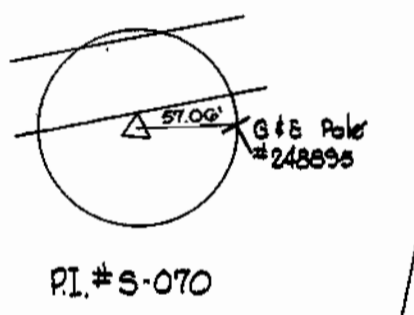
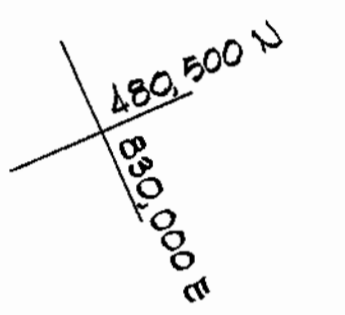
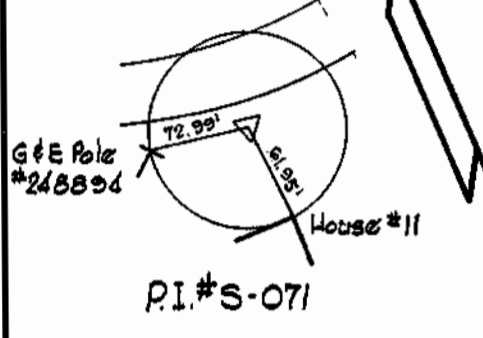
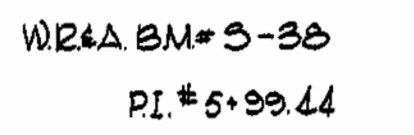
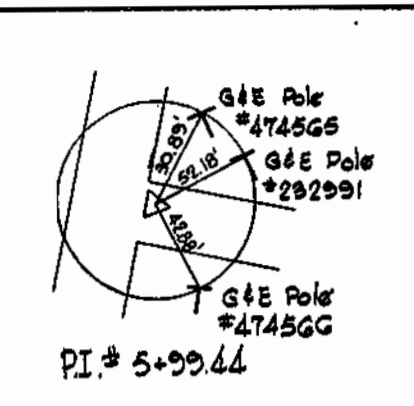
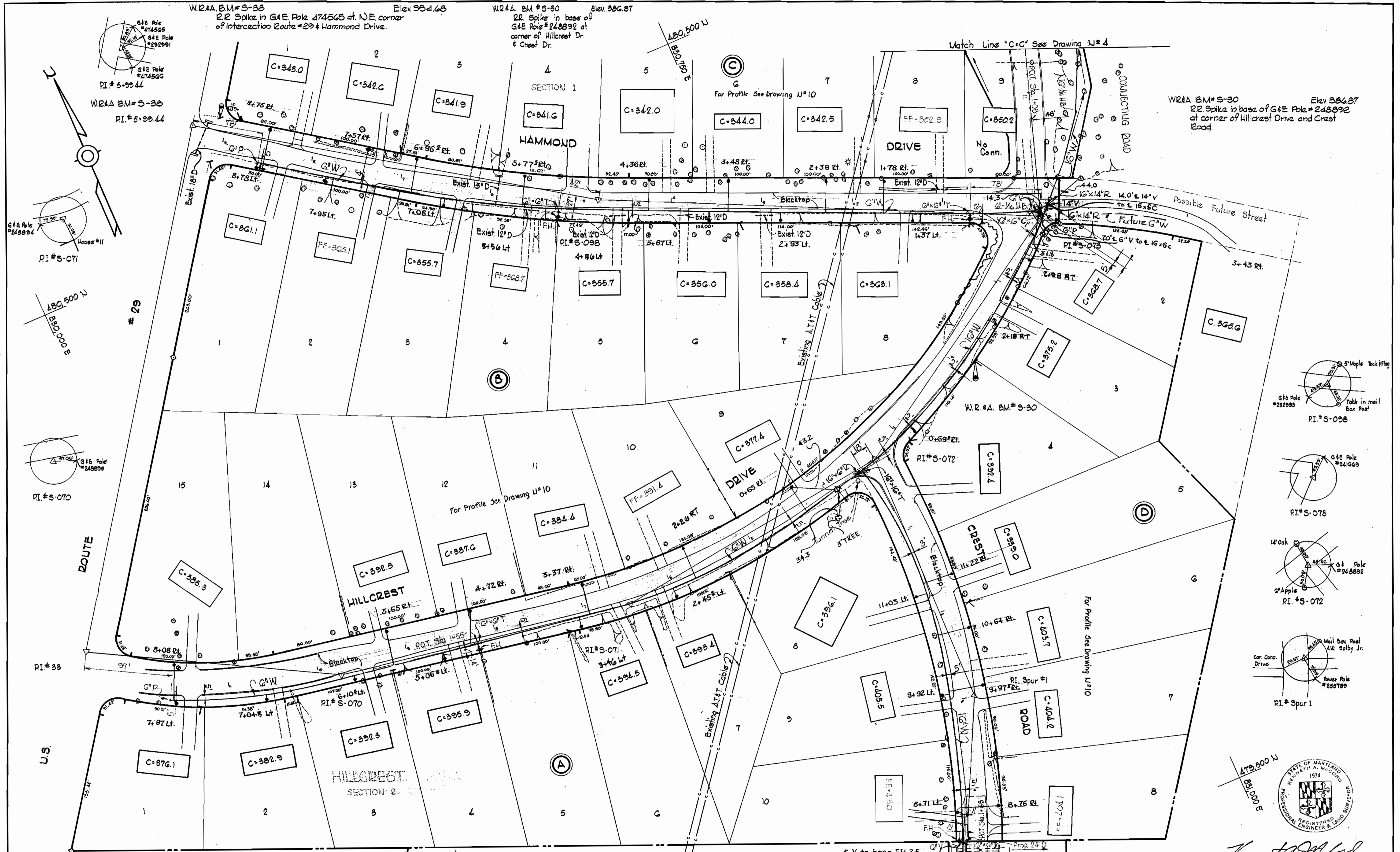
*Kenneth A. McLeod*

Project N# 21-W  
 Contract N# 375-W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 7-16-70 <i>W O Falbert</i> CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 375-W	PLAN OF WATER MAINS	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 2 OF 13	SCALE 1" = 50' 478-475 479-475
					AS BUILT August 30, 1971 PB# 4667	

W. O. G185-2

WS 375-W/2



*Kenneth A. McCord*

Note:  
The Contractor shall notify the Amer. Tel. & Telegraph Co. prior to any construction activities in the vicinity of the telephone cables by calling collect 333-3553 in Baltimore, Maryland.

<b>WHITMAN, REQUARDT &amp; ASSOCIATES</b> ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	<b>DEPARTMENT OF PUBLIC WORKS</b> HOWARD COUNTY, MARYLAND DATE: 7-16-70 <i>W. O. Gilbert</i> CHIEF - BUREAU OF WATER AND SEWER	<b>CONTRACT NO. 375-W</b>	<b>PLAN OF WATER MAINS</b>	<b>ELECTION DISTRICT GUILFORD NO. 6</b>	<b>DRAWING NO. 3 OF 13</b> <b>SCALE 1" = 50'</b> 475-475 480-475
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W. O. G185-2

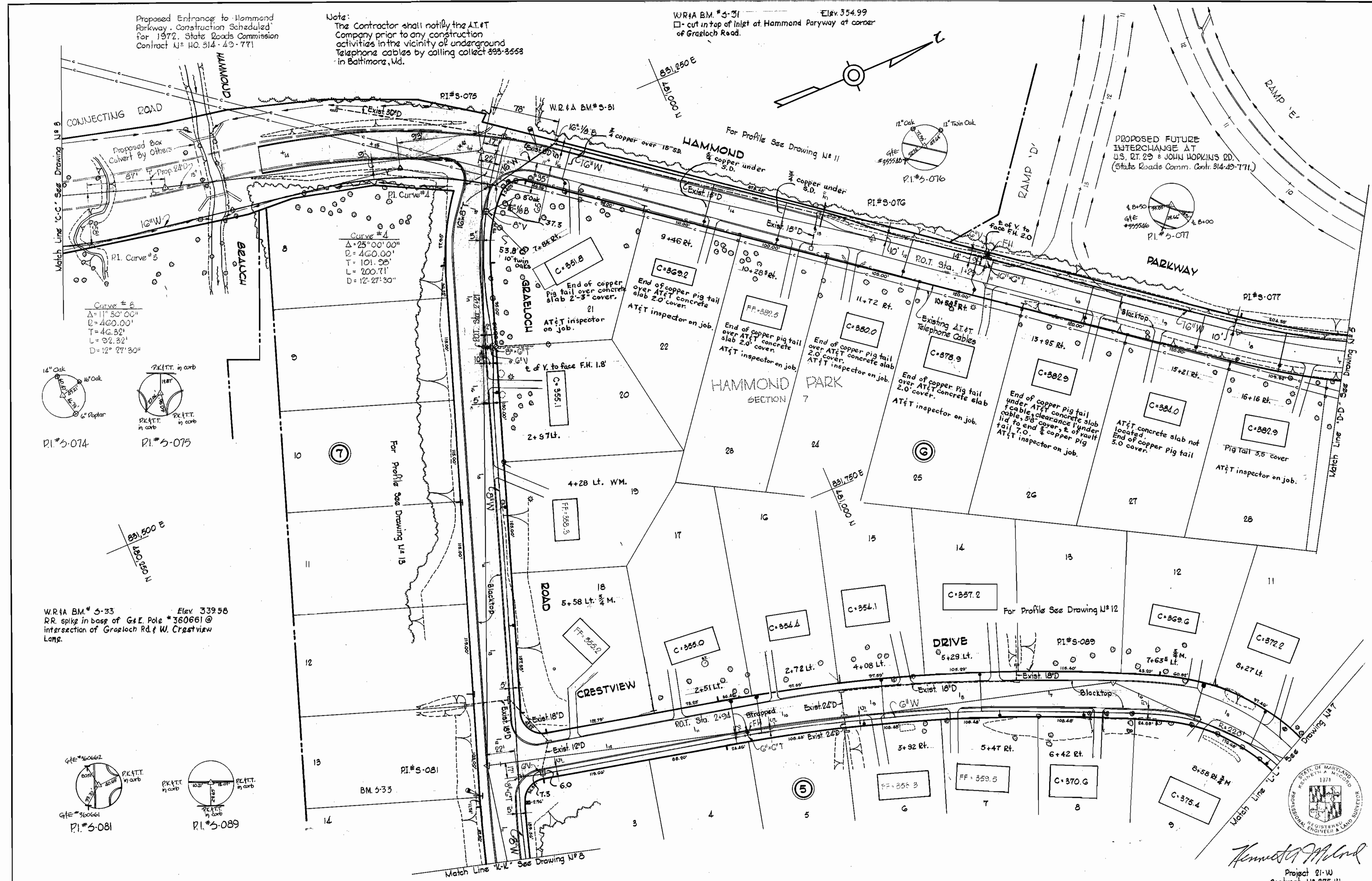
Project No 21-W  
 Contract No 375-W  
 AS BUILT August 30, 1971  
 PB # 4657, 4667, 4602

WS 375-W/3

Proposed Entrance to Hammond Parkway. Construction Scheduled for 1972. State Roads Commission Contract NJ# 40.314-43-771

Note:  
The Contractor shall notify the A.T.&T. Company prior to any construction activities in the vicinity of underground Telephone cables by calling collect 293-3553 in Baltimore, Md.

W.R.#A BM.#5-31 Elev. 354.99  
cut in top of inlet at Hammond Parkway at corner of Graebach Road.



*Kenneth M. Mord*  
Project 21-W  
Contract W# 375-W

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

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

CONTRACT NO. 375-W

PLAN OF  
WATER MAINS

ELECTION DISTRICT  
GUILFORD NO. 6

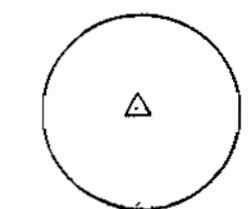
DRAWING NO. 4 OF 13  
SCALE 1" = 50'

481-476
480-476
480-475

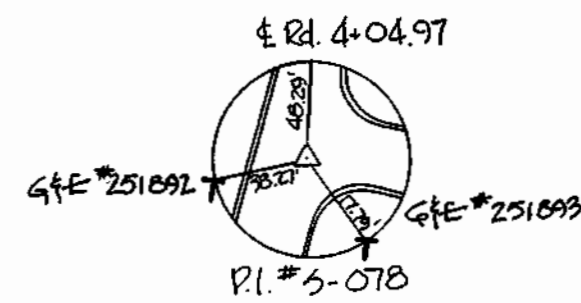
AS BUILT August 30, 1971 PB#402 4592, 4635

WS 375-W/4

W2&A B.M.#F-109 Elev. 403.592  
 Standard disk set in top concrete post flush with ground stamped F-109 reset 1968, U.S.G. & G.S. located at intersection of Route 29 & Gorman Rd, 6.2' S.E. of Guy Pole # 219825, 82.8' S.W. of Pole # 233372, 105.8' S. of Gorman Road, 2' West of metal post.

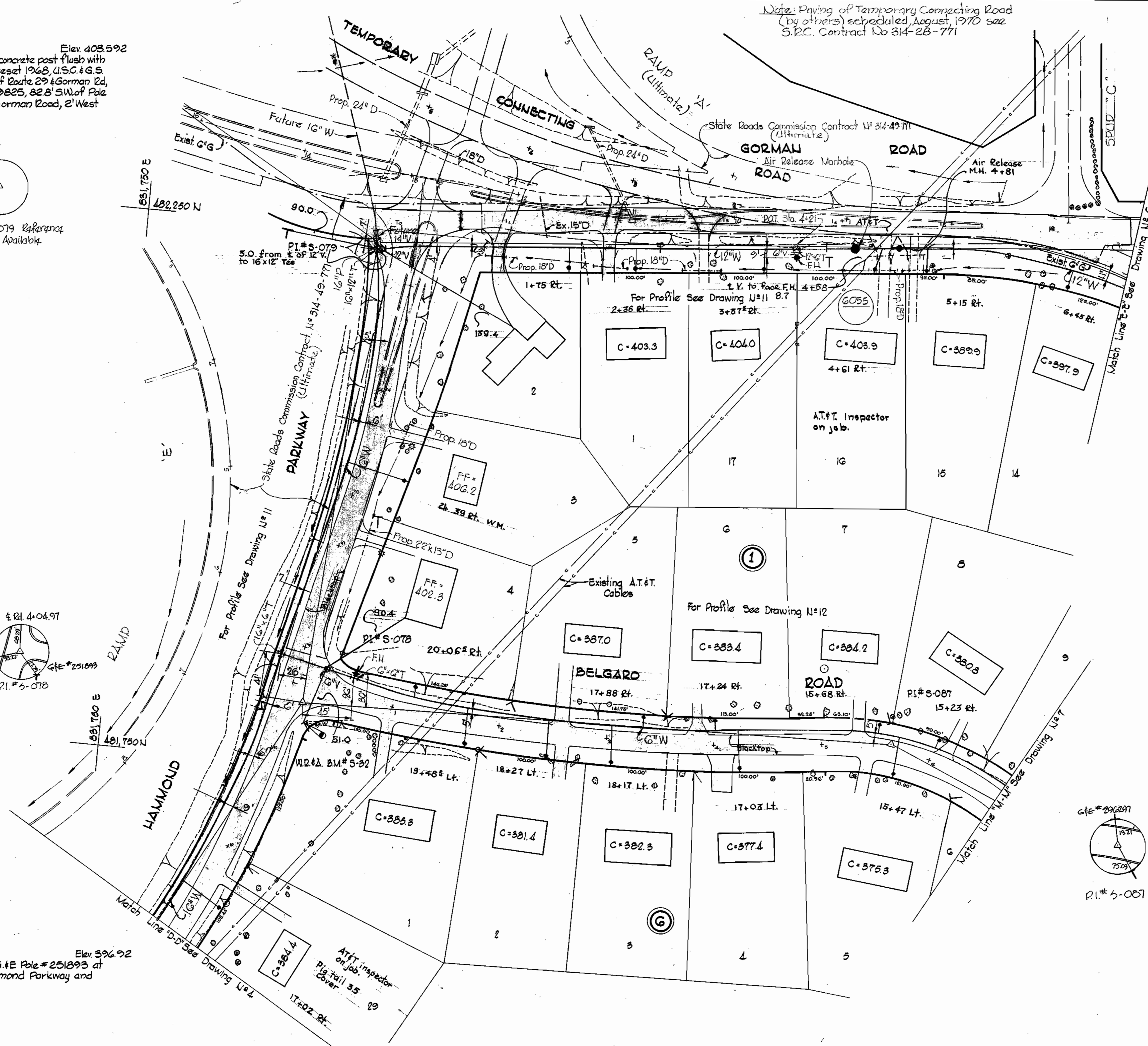


P.I.# 5-079 Reference Not Available.



W2&A B.M.#32 Elev. 396.92  
 R.R. Spike in base of G & E Pole # 251893 at intersection of Hammond Parkway and Belgaro Road.

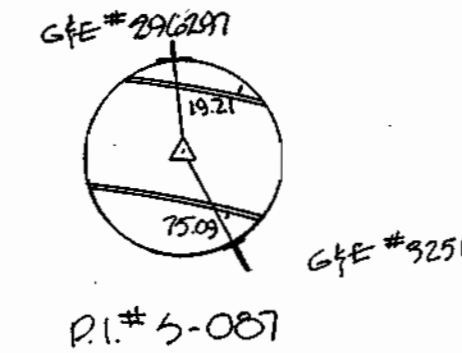
Note: Paving of Temporary Connecting Road (by others) scheduled August, 1970 see S.R.C. Contract No 314-28-771



Note: The Contractor shall notify the A.T.&T. Company prior to any construction activities in the vicinity of underground telephone cables by calling collect 393-8558, in Baltimore, Md.



882,750 E  
 482,000 N



*Kenneth A. McCord*

Project 21-W  
 Contract 375-W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 7-16-70 <i>W.O. Filbert</i> CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 375-W	PLAN OF WATER MAINS	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 5 OF 13 SCALE 1" = 50' 481-476 482-476
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W. O. G185-2

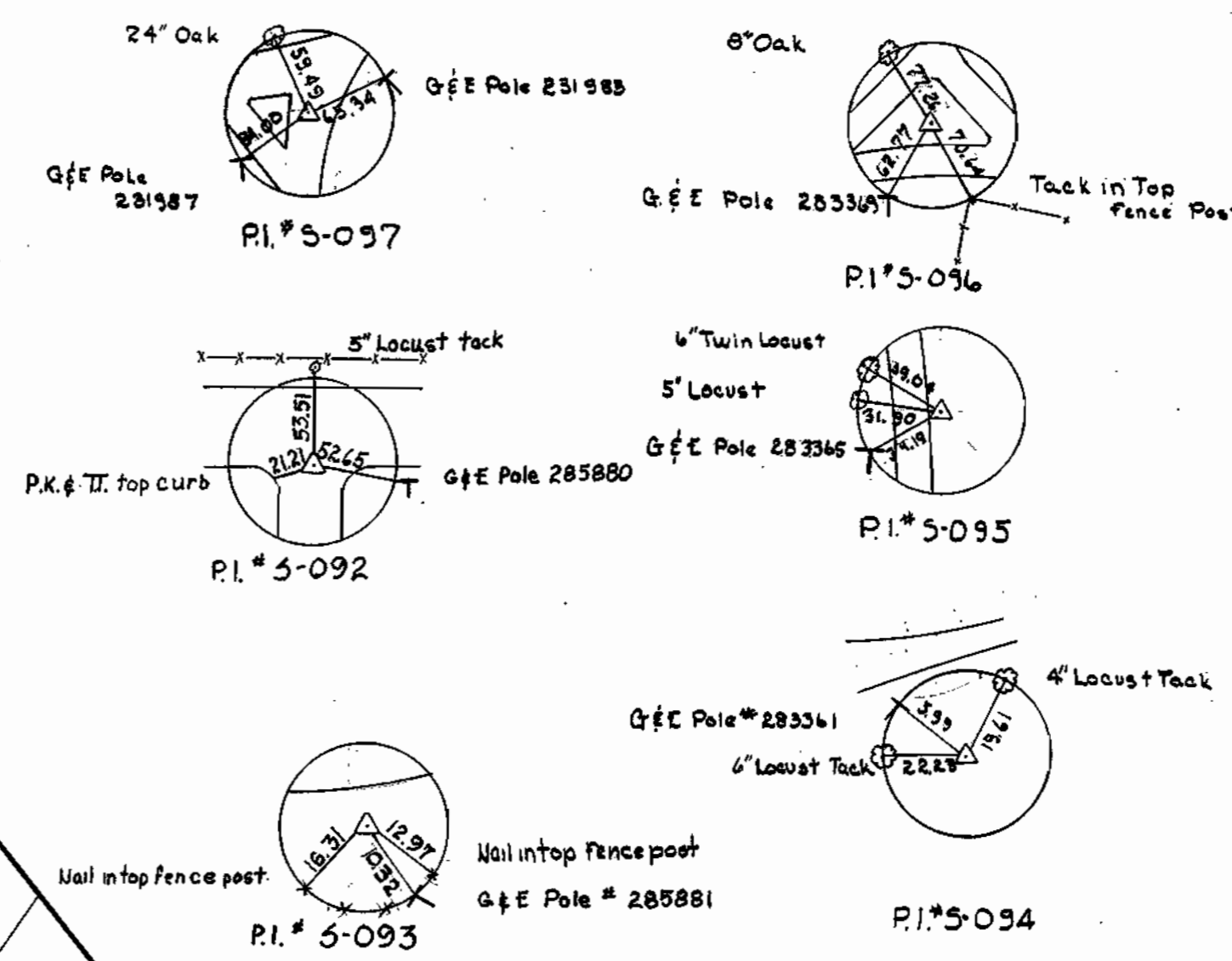
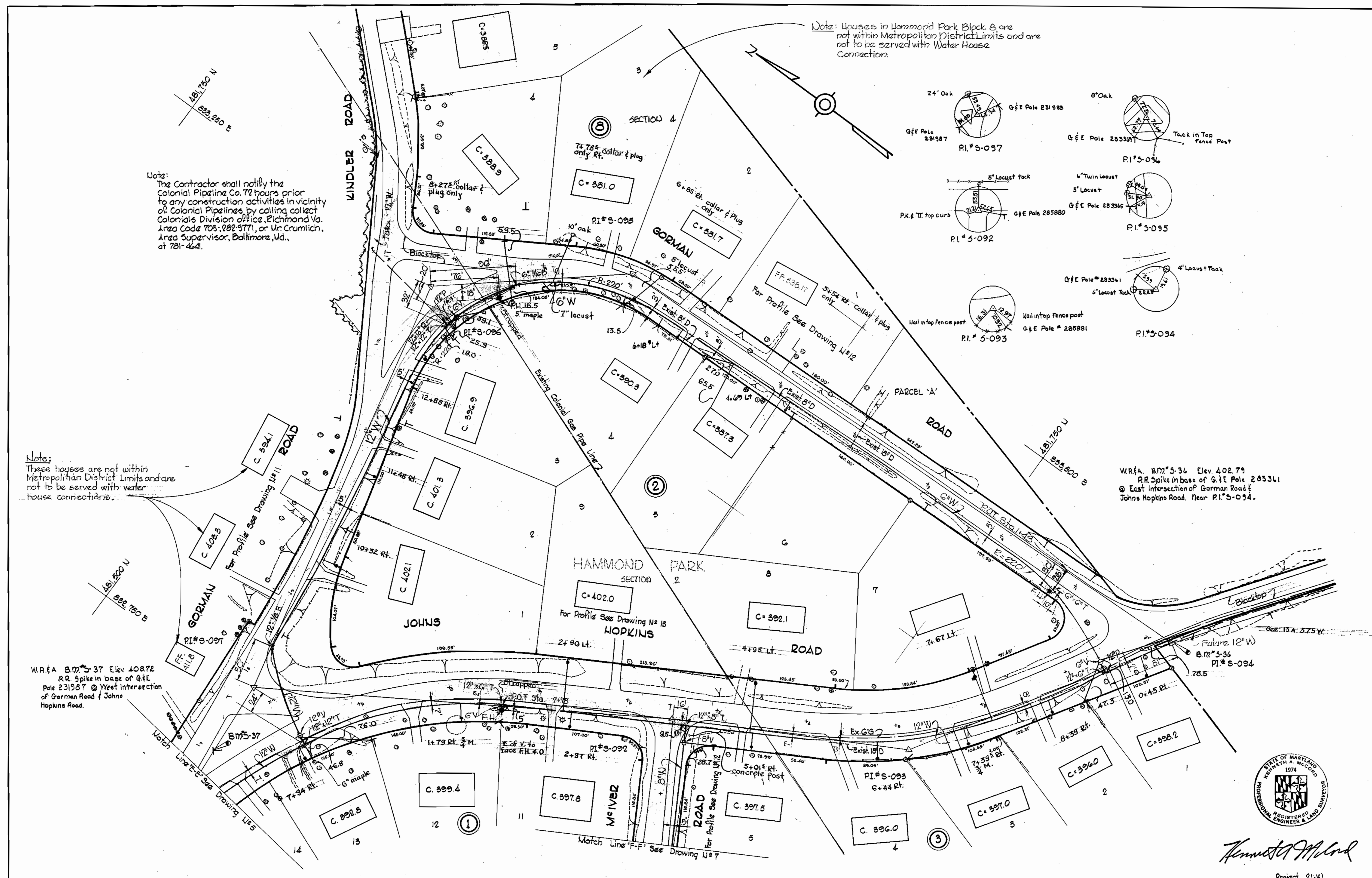
AS BUILT August 30, 1971 - FB #4602-4635

WS 375-W/5

Note: Houses in Hammond Park Block 6 are not within Metropolitan District Limits and are not to be served with Water House Connection.

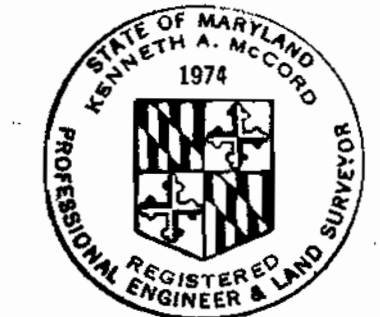
Note: The Contractor shall notify the Colonial Pipeline Co. 72 hours prior to any construction activities in vicinity of Colonial Pipelines, by calling collect Colonial's Division office, Richmond Va. Area Code 703; 282-3771, or Mr. Crumlich, Area Supervisor, Baltimore, Md., at 781-4441.

Note: These houses are not within Metropolitan District Limits and are not to be served with water house connections.



W.R.F.A. B.M. 5-36 Elev. 402.79  
R.R. Spike in base of G.I.E. Pole 283341  
@ East intersection of Gorman Road & Johns Hopkins Road. Near P.I. 5-094.

W.R.F.A. B.M. 5-37 Elev. 408.72  
R.R. Spike in base of G.I.E. Pole 231987 @ West intersection of Gorman Road & Johns Hopkins Road.



*Kenneth A. McCord*

Project 21-W  
Contract U-875-W

<b>WHITMAN, REQUARDT &amp; ASSOCIATES</b> ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	<b>DEPARTMENT OF PUBLIC WORKS</b> HOWARD COUNTY, MARYLAND DATE: 7-16-70 <i>W. O. Gilbert</i> CHIEF - BUREAU OF WATER AND SEWER	<b>CONTRACT NO. 375-W</b>	<b>PLAN OF WATER MAINS</b>	<b>ELECTION DISTRICT GUILFORD NO. 6</b>	<table border="1"> <tr> <td><b>DRAWING NO. 6 OF 13</b></td> <td><b>SCALE 1" = 50'</b></td> <td>481,476</td> </tr> <tr> <td></td> <td></td> <td>482,475</td> </tr> <tr> <td></td> <td></td> <td>481,477</td> </tr> <tr> <td></td> <td></td> <td>482,477</td> </tr> </table>	<b>DRAWING NO. 6 OF 13</b>	<b>SCALE 1" = 50'</b>	481,476			482,475			481,477			482,477
<b>DRAWING NO. 6 OF 13</b>	<b>SCALE 1" = 50'</b>	481,476															
		482,475															
		481,477															
		482,477															

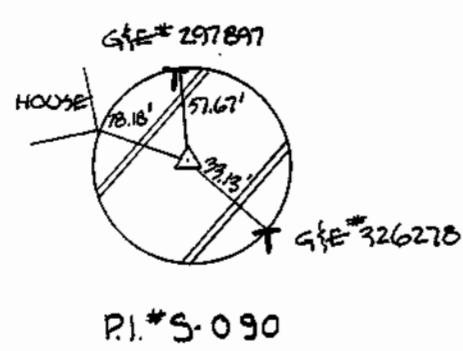
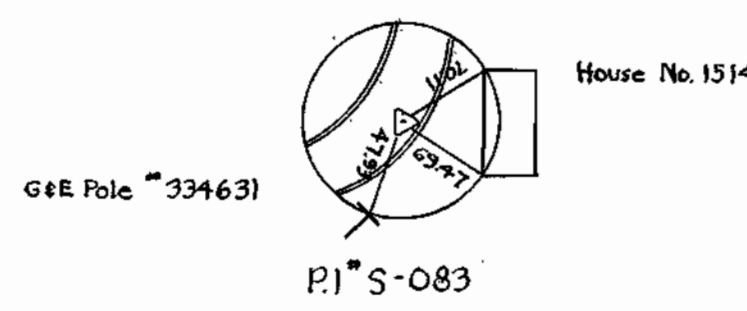
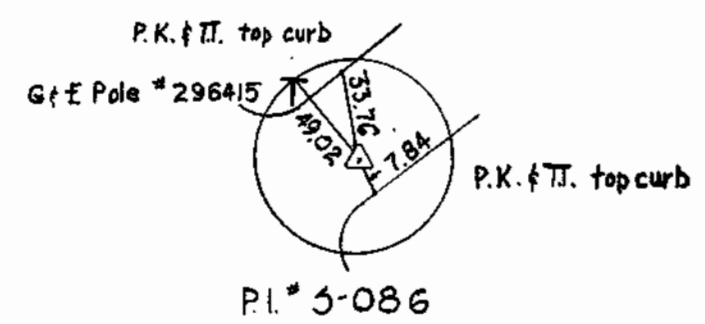
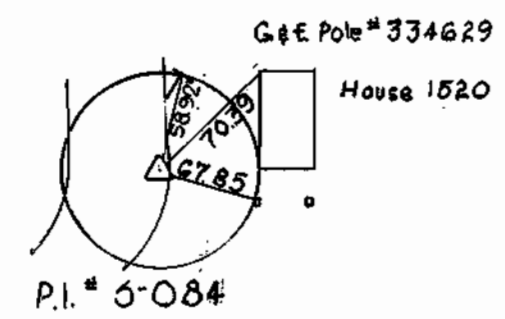
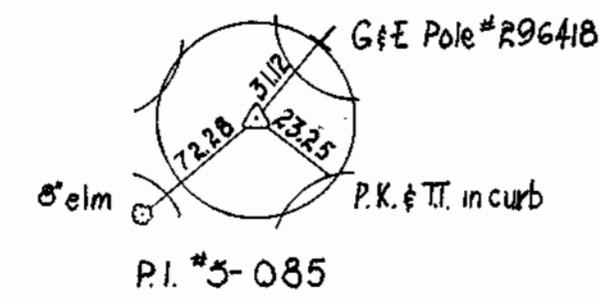
W. O. 6185-2

AS BUILT August 30, 1971

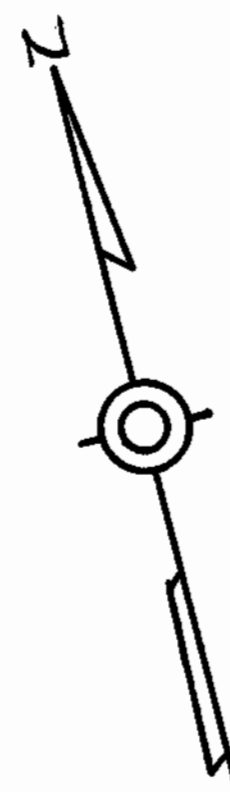
FB#464c

WS 375-W/6

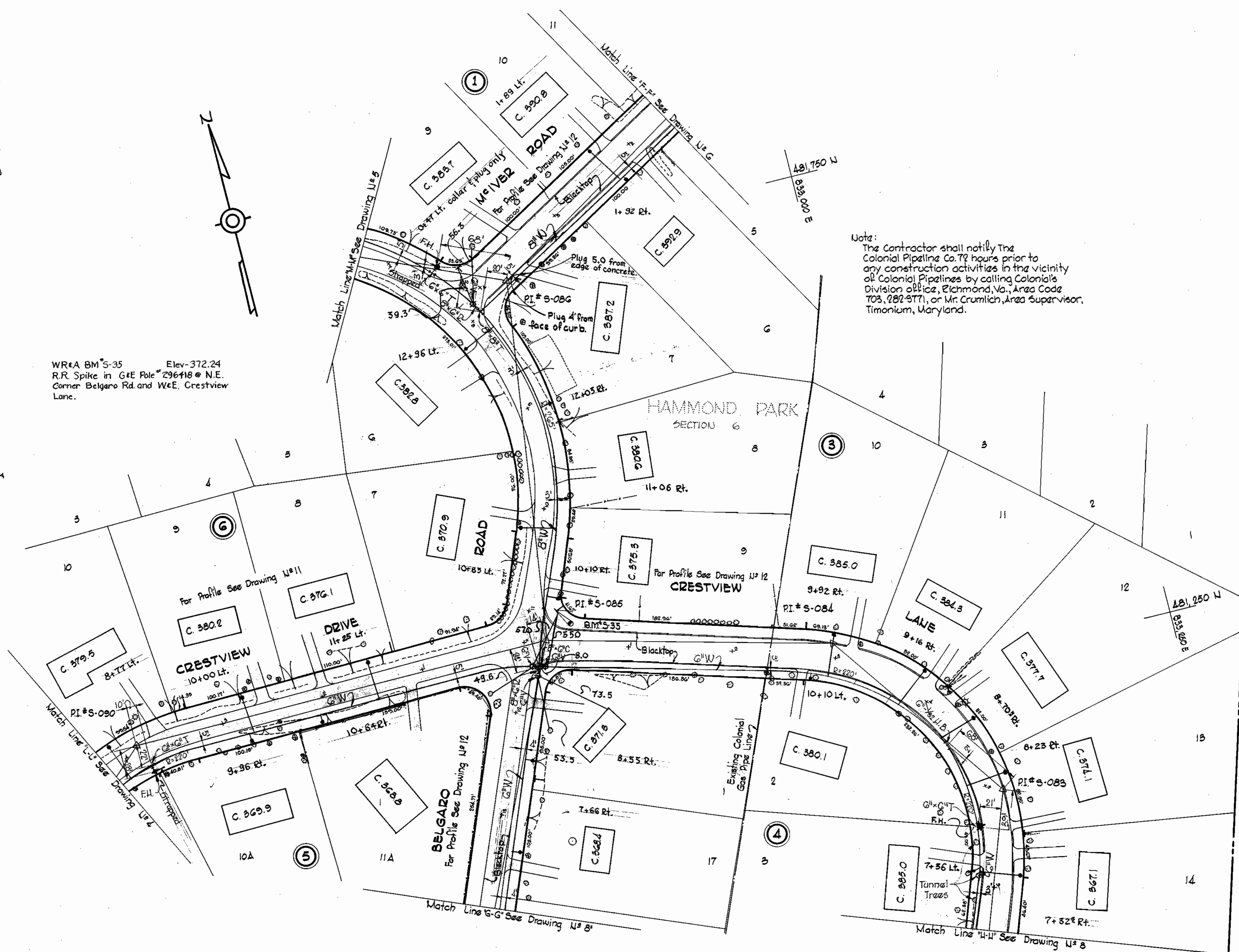
WRA BM 5-35 Elev. 372.24  
 RR spike in G&E Pole #296418  
 @ W&E Corner Belgaro Rd and  
 W&E Crestview Lane



WRA BM 5-35 Elev. 372.24  
 R.R. Spike in G&E Pole #296418 @ N.E.  
 Corner Belgaro Rd and W&E, Crestview Lane.



Note:  
 The Contractor shall notify The  
 Colonial Pipeline Co. 72 hours prior to  
 any construction activities in the vicinity  
 of Colonial Pipelines by calling Colonial's  
 Division Office, Richmond, Va., Area Code  
 703, 282-3771, or Mr. Crumlich, Area Supervisor,  
 Timonium, Maryland.



*Kenneth A. McCord*  
 Project 21-W  
 Contract U# 375-W

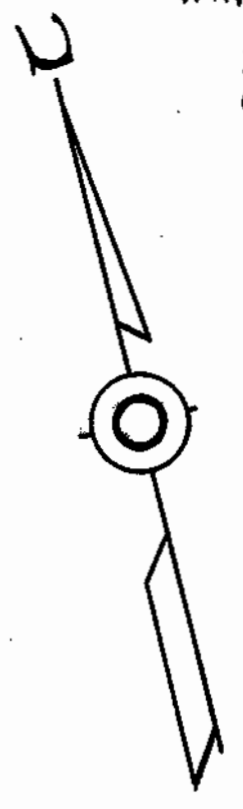
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 7-16-70 <i>W. O. Gilbert</i> CHIEF - BUREAU OF WATER AND SEWER	CONTRACT NO. 375-W	PLAN OF WATER MAINS	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 7 OF 13 SCALE 1" = 50' 481,476 482,476 481,477 482,477
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W. O. G185-2

AS BUILT August 30, 1971 FB# 4000, 4040, 4002, 4092

WS 375-W/7

W.R.#A BM\*5-34 Elev. 353.80  
 RR Spike in base of G&E Pole  
 340574 @ Intersection of  
 Graeoch Rd. & E. Crestview Lane

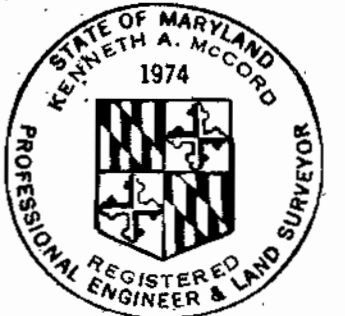
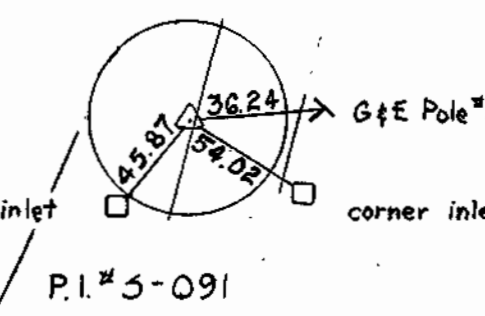
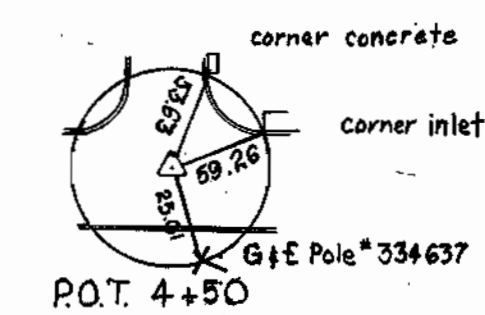
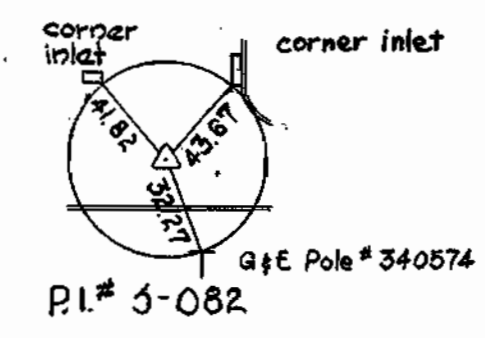
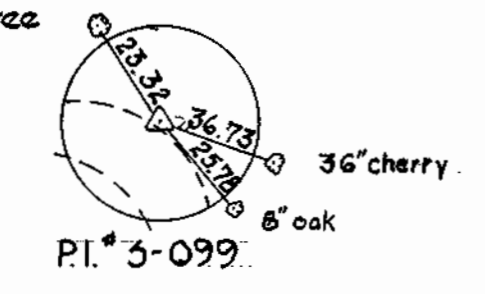


Notes:  
 The Contractor shall notify the  
 Colonial Pipeline Co. 72 hours prior  
 to any construction operation in the  
 vicinity of Colonial Pipeline by calling  
 Colonial's Division of Office, Richmond,  
 Va., Area Code 703, 282-5771, or  
 Mr. Crumlich, Area Supervisor  
 Baltimore, Maryland, at 781-4641.

W.R.#A BM\* S-34 Elev. 353.80  
 R.R. Spike in base of G&E Pole  
 \*340574 @ intersection of  
 Graeoch Rd. & East Crestview  
 Lane.

Curve #5  
 $\Delta = 48^{\circ}30'00''$   
 $R = 222.00'$   
 $L = 167.02'$   
 $T = 87.78'$   
 $D = 26^{\circ}02'37''$

Property of  
 JOMAR CONSTRUCTION  
 COMPANY INCORPORATED  
 6" V8 Plug  
 P.I. # 5-099  
 Strap G1V to 8" G1T  
 Bolted

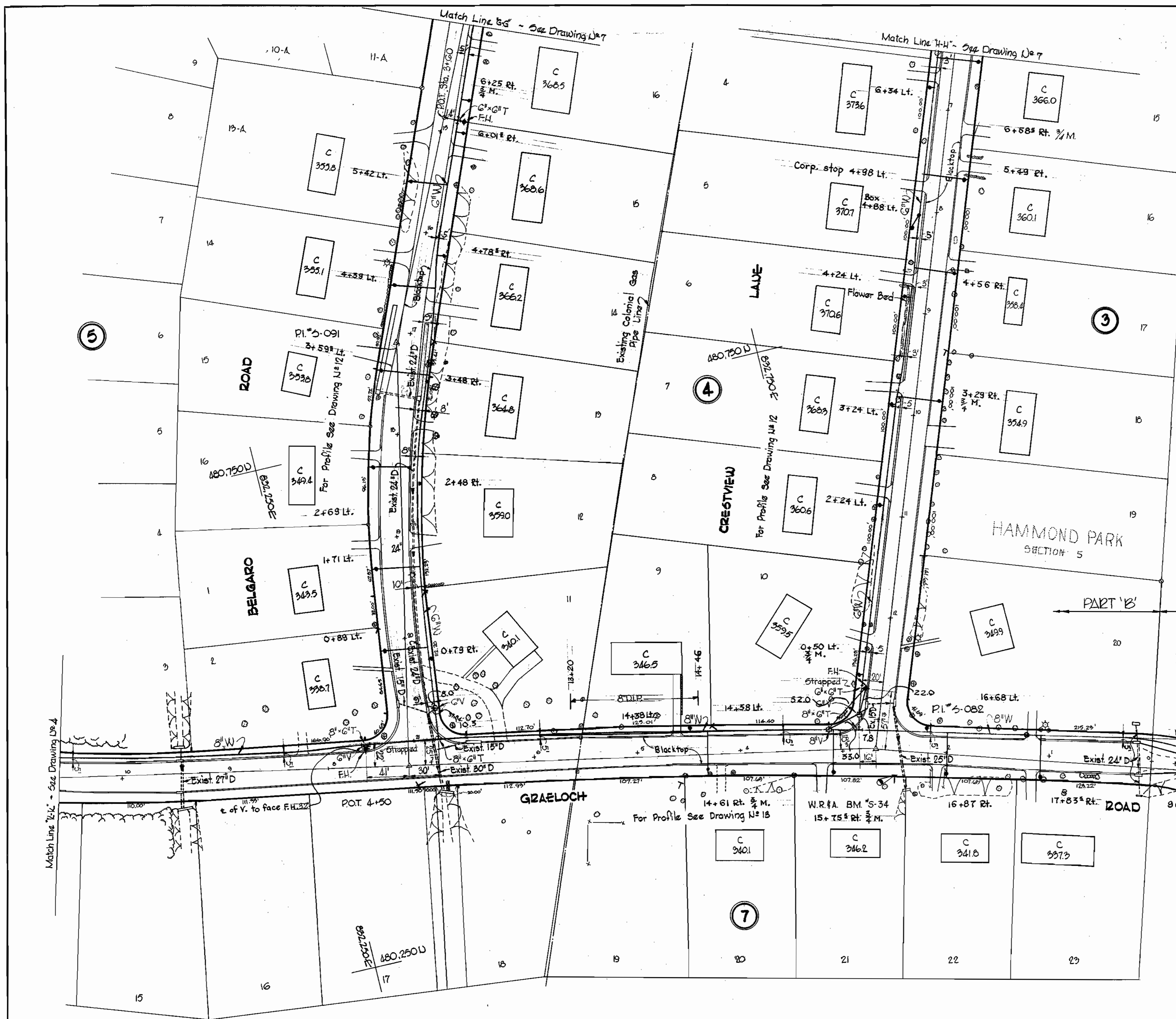


*Kenneth M. Wilson*

Project 21-W  
 Contract 375-W

DRAWING NO. 8 OF 13	SCALE 1" = 50'	480-476 480-477 481-476
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AS BUILT August 30, 1971 F.B. 4635 F.B. 4667



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

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 DATE 7-16-70  
*ed J. Felber*  
 CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. 375-W

PLAN OF  
 WATER MAINS

ELECTION DISTRICT  
 GUILFORD NO. 6

W. O. G165-2

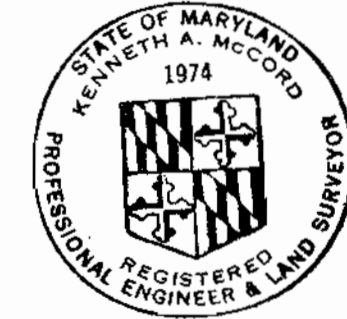
WS 375-W/8



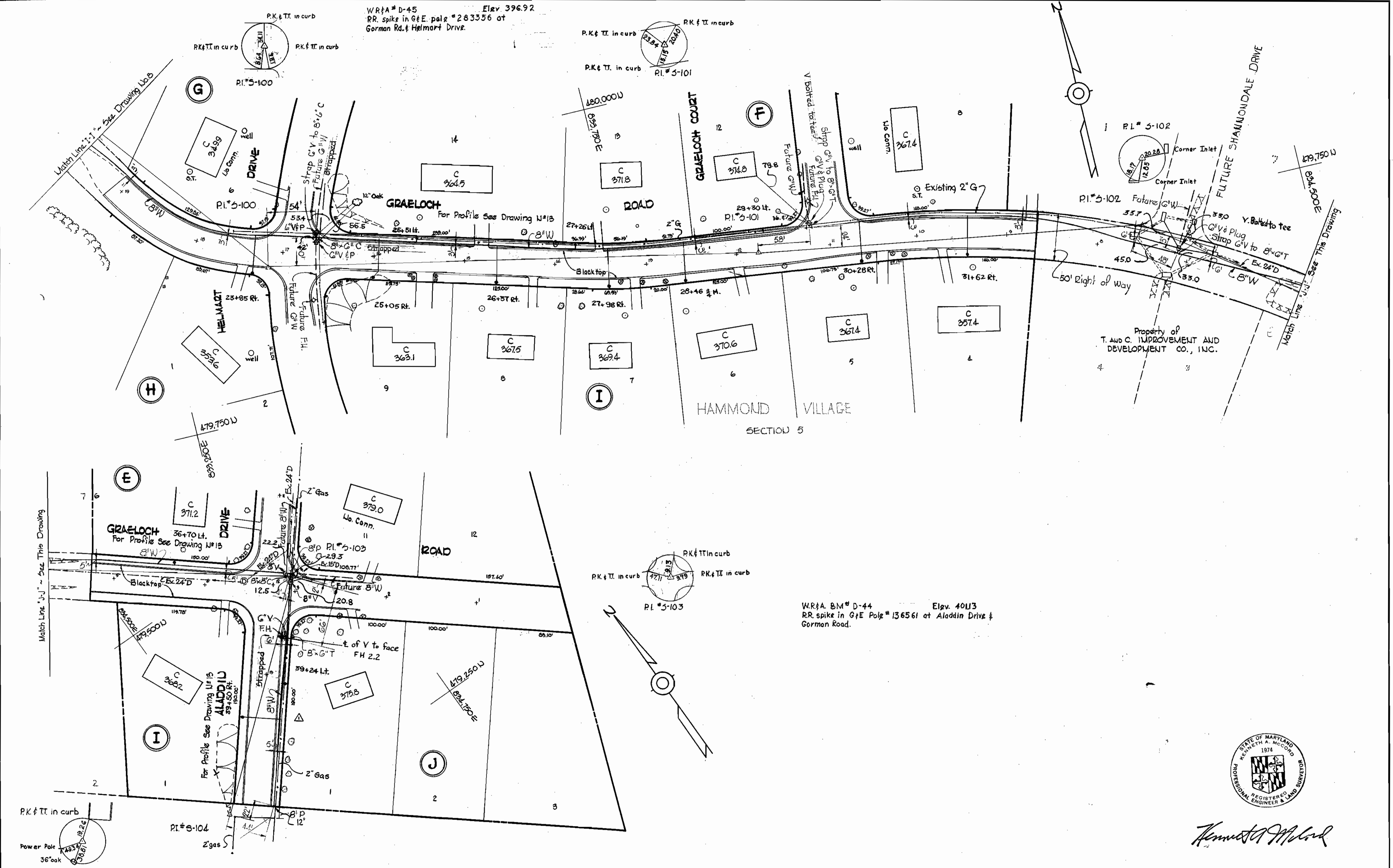
W.R.# D-45 Elev. 396.92  
 RR. spike in G&E. Polg # 283356 at  
 Gorman Rd. & Helmart Drive.

P.K. & T.I. in curb  
 P.I. # 5-101

W.R.# B.M. # D-44 Elev. 401.13  
 RR. spike in G&E Polg # 136561 at Aladdin Drive &  
 Gorman Road.



*Kenneth A. McLeod*



NO.	DATE	REVISION
1	2-24-70	Revised G'win Aladdin Drive to S'W

Project 21-W  
 Contract 375-W

<b>WHITMAN, REQUARDT &amp; ASSOCIATES</b> ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	<b>DEPARTMENT OF PUBLIC WORKS</b> HOWARD COUNTY, MARYLAND 7-11-70 <i>W. O. Falgout</i> CHIEF-BUREAU OF WATER AND SEWER	<b>CONTRACT NO. 375-W</b>	<b>PLAN OF WATER MAINS</b>	<b>ELECTION DISTRICT GUILFORD NO. 6</b>	<b>DRAWING NO. 9 OF 13</b> <b>SCALE 1" = 50'</b>
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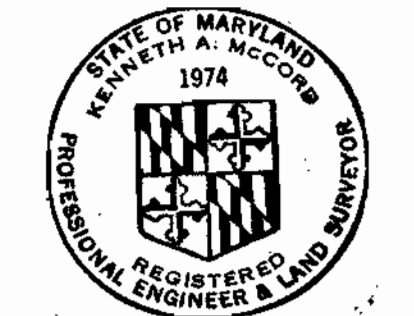
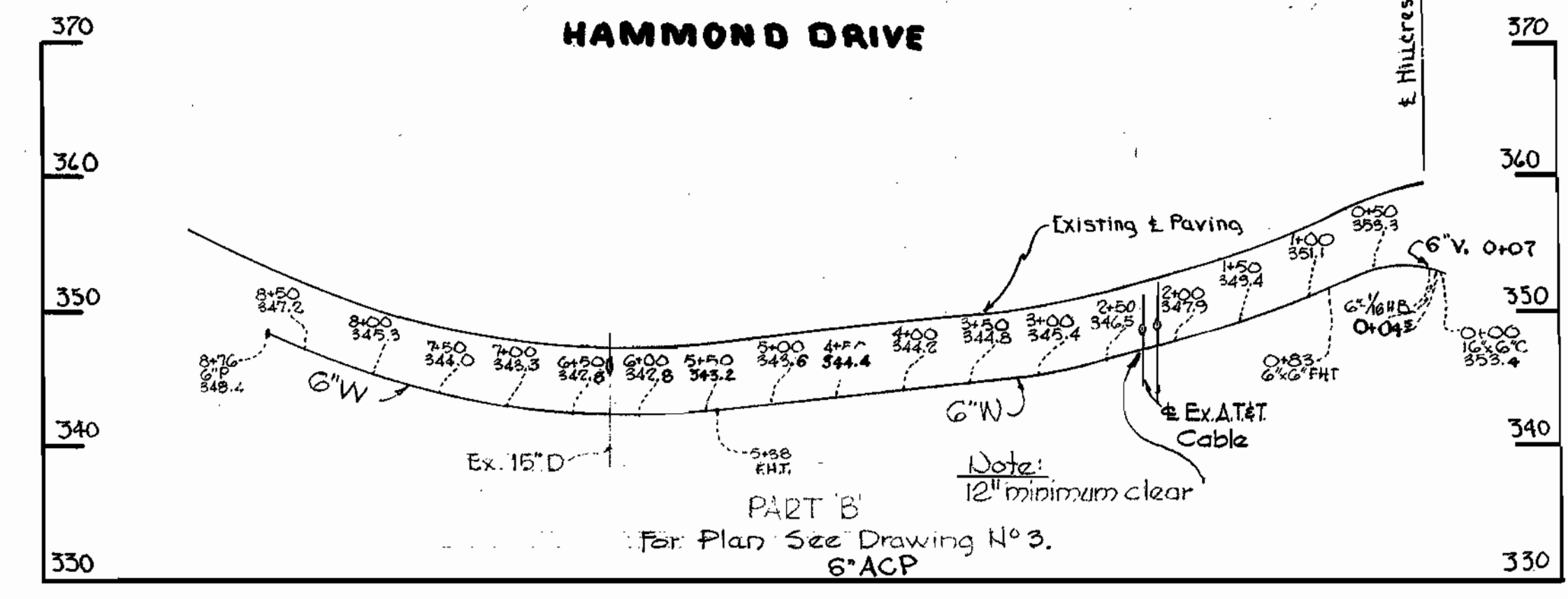
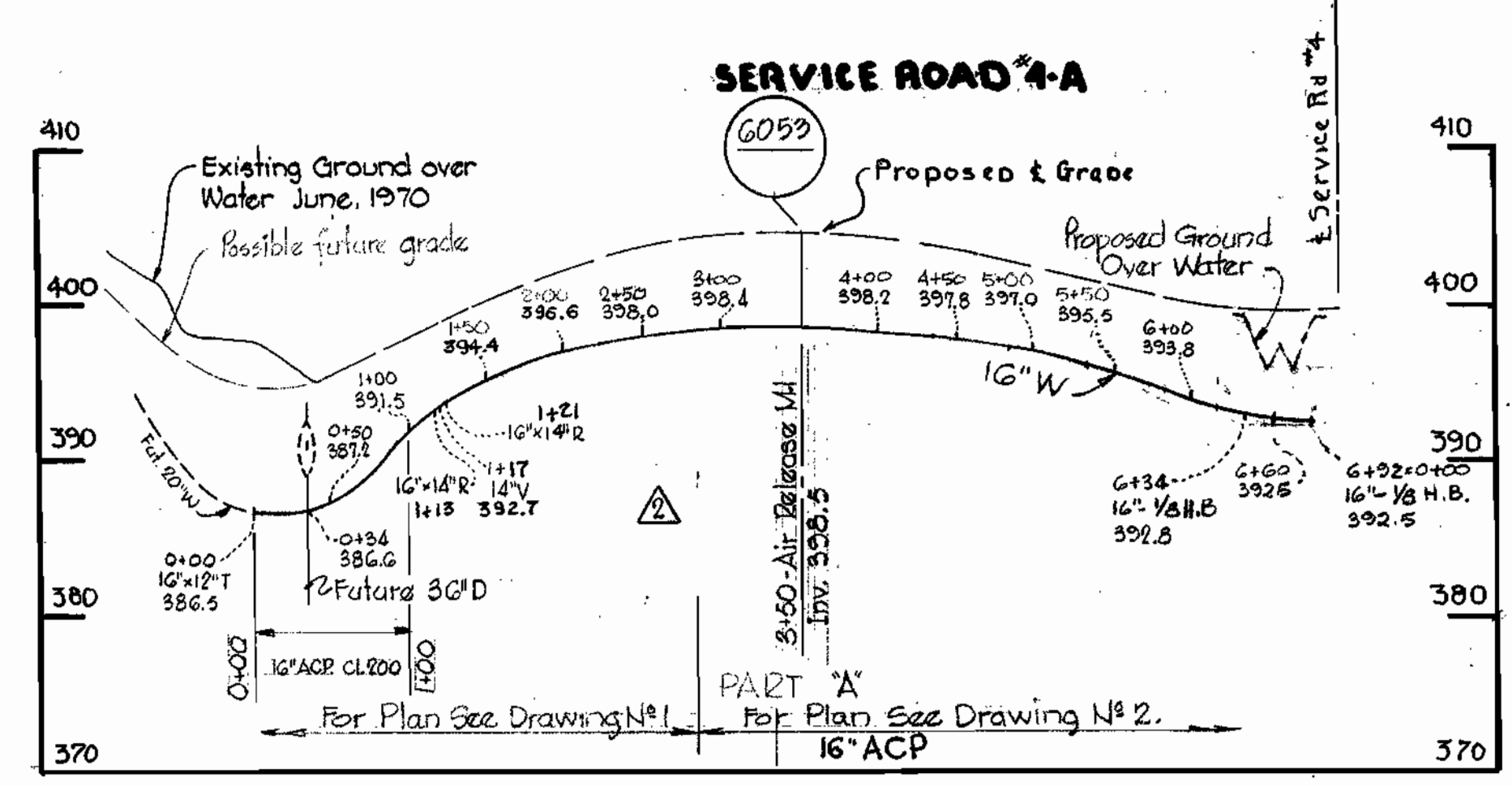
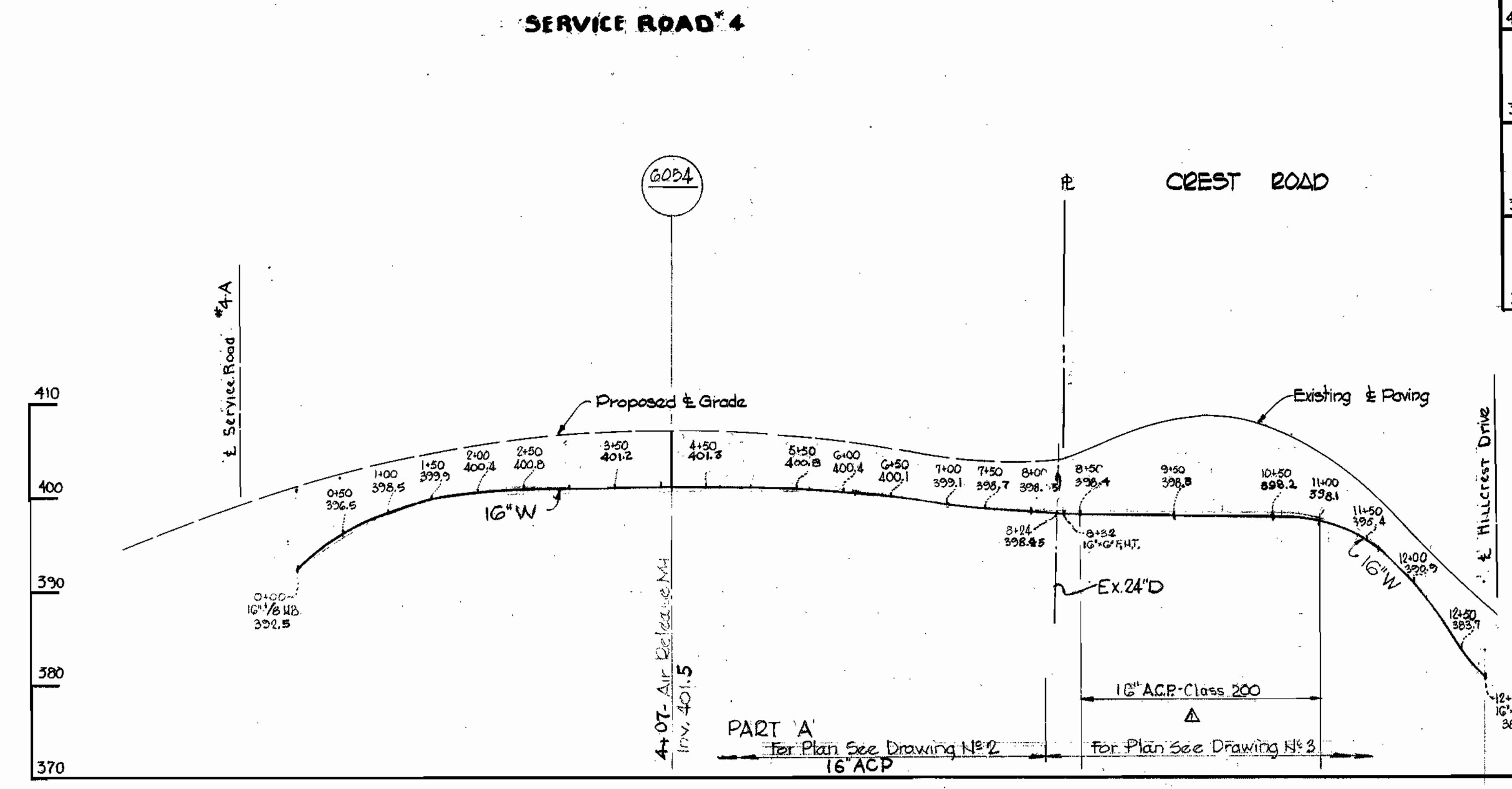
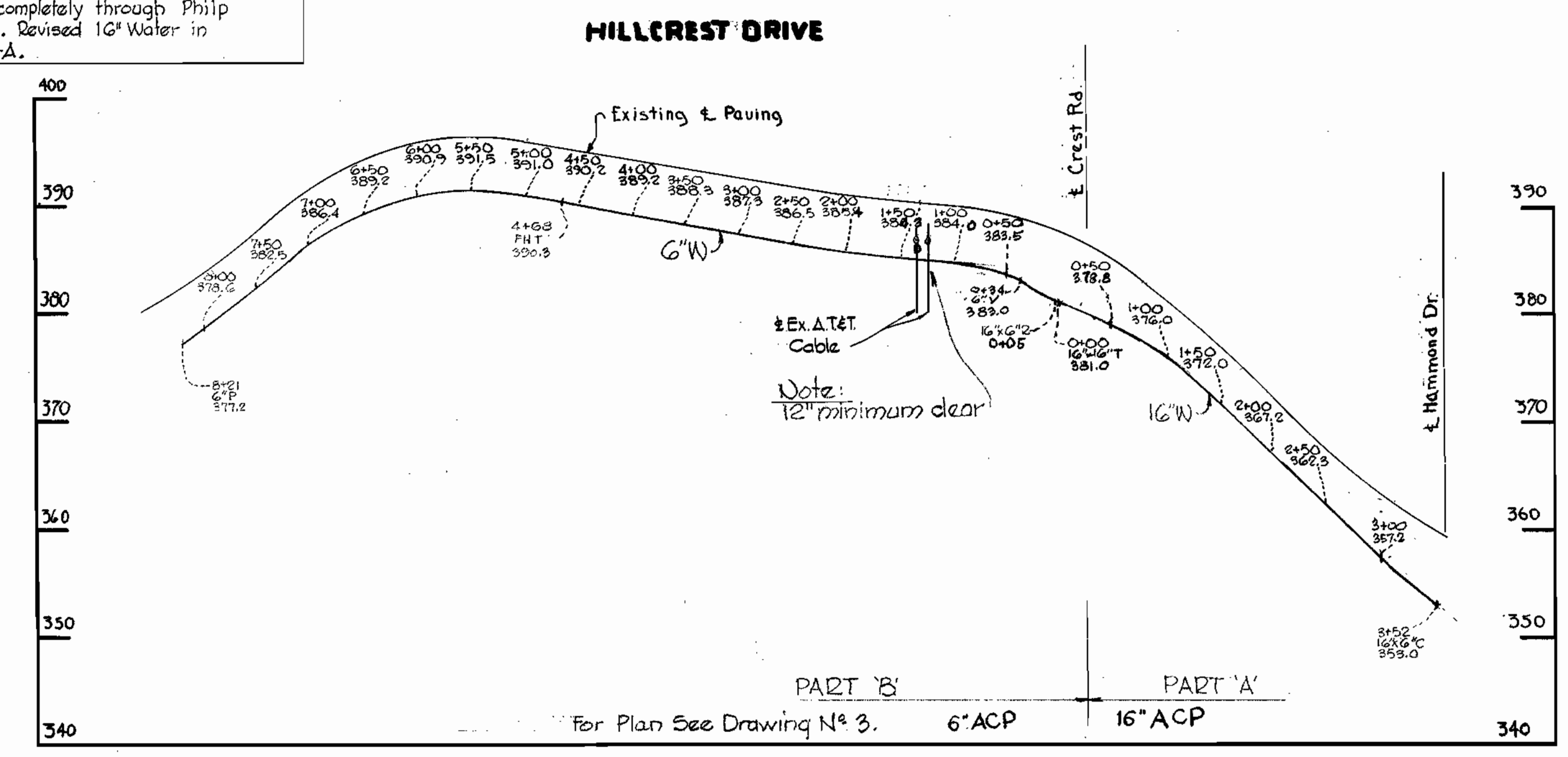
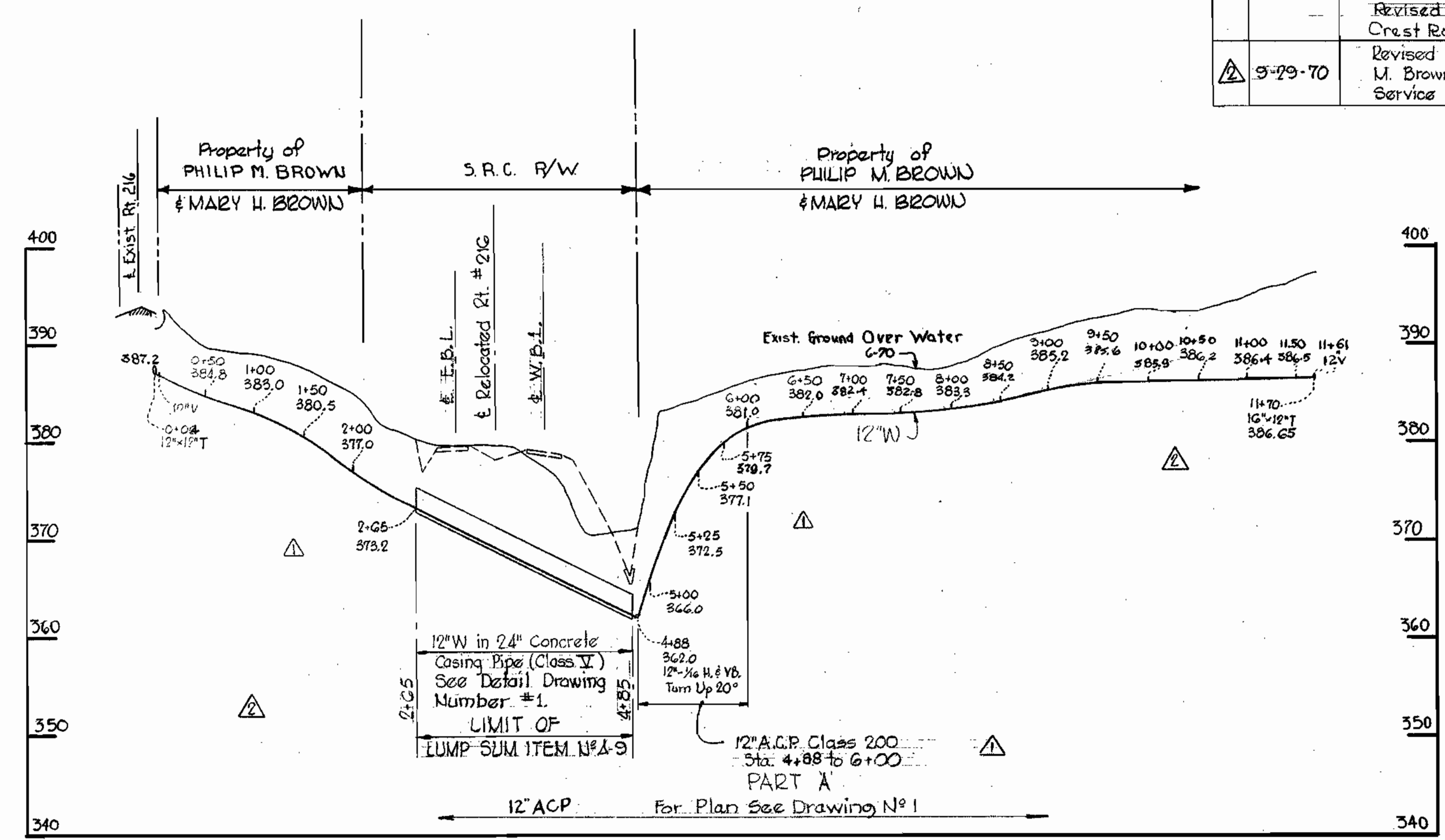
W. O. 6165-2

AS BUILT August 30, 1971

FB# 4667

WS 375-W/9

NO.	DATE	REVISION
1	7-24-70	Revised Limits of Lump Sum Item N <sup>o</sup> . A-9, Revised 12" W sta. 1+50 to 6+50 (crossing of Relocated Rt. 216), Revised class of pipe (12" W) sta. 4+95 to 6+00, Revised class of pipe (16" W) sta. 8+50 to 11+00 Crest Road.
2	9-29-70	Revised 12" Water completely through Philip M. Brown Property, Revised 16" Water in Service Road #4-A.



*Kenneth A. McCord*

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

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
DATE 7-16-70  
W. O. Fulmer  
CHIEF-BUREAU OF WATER AND SEWER

CONTRACT NO. 375-W

PROFILES OF WATER MAINS

ELECTION DISTRICT  
GUILFORD NO. 6

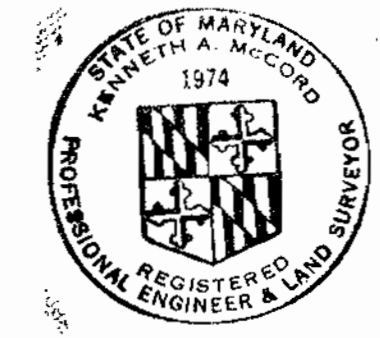
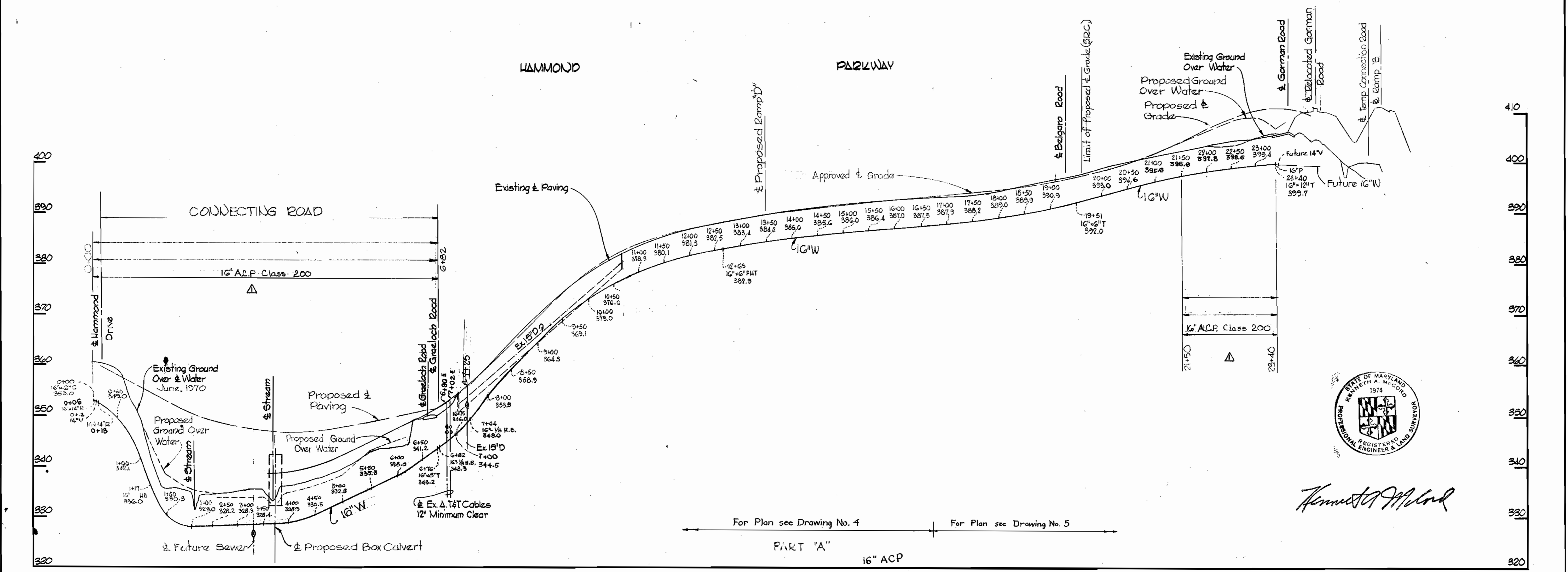
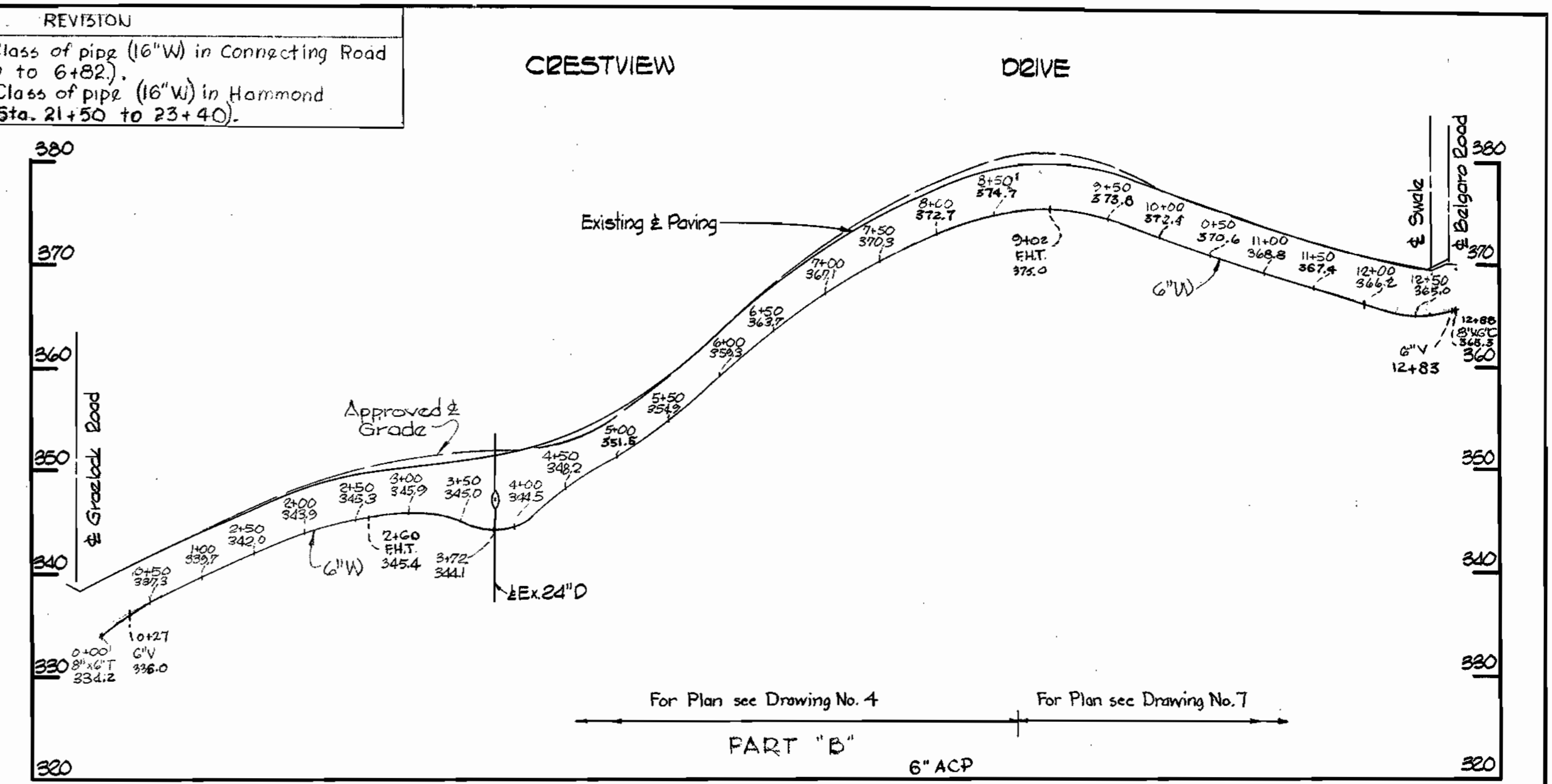
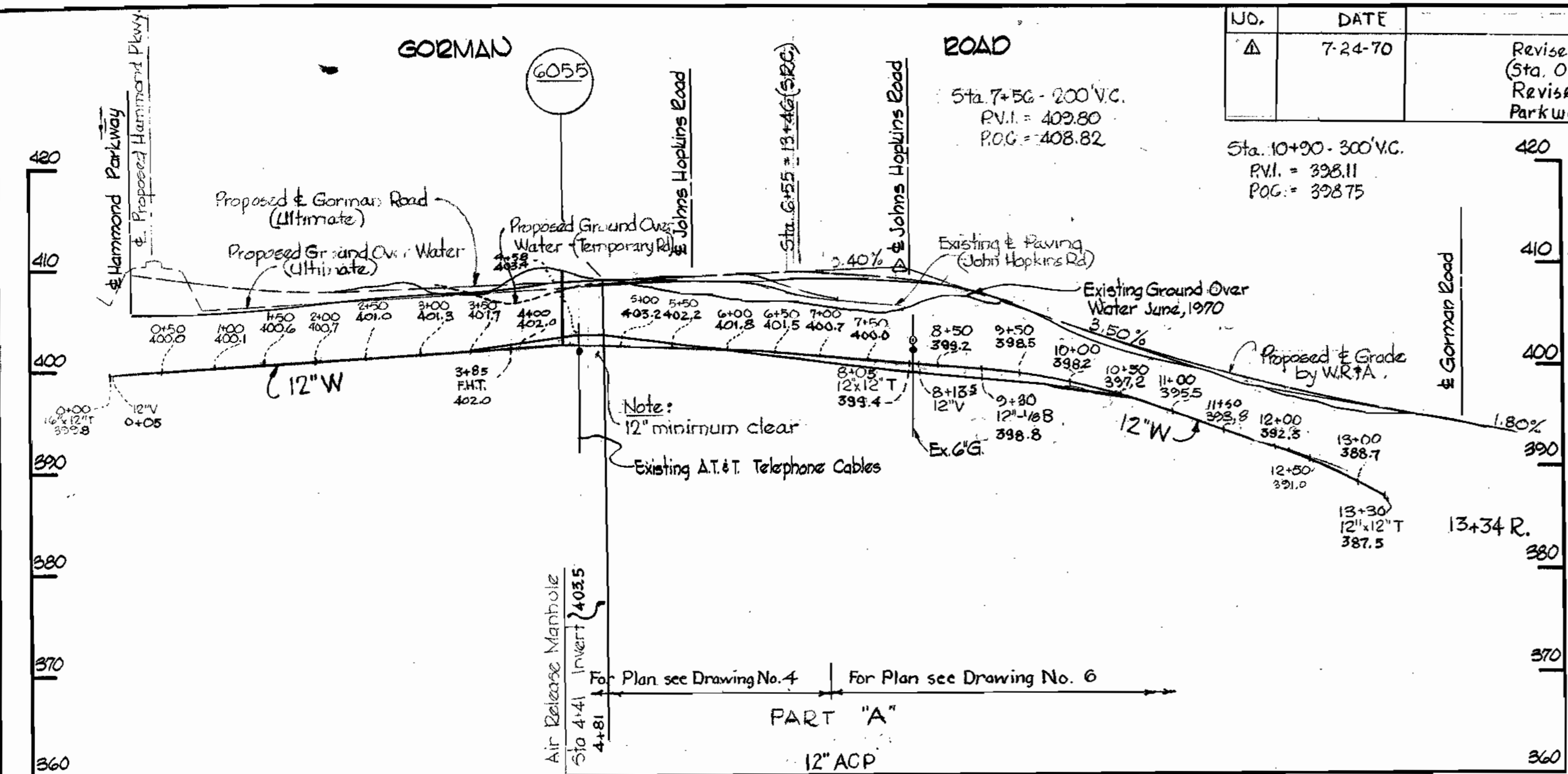
DRAWING NO. 10 OF 13  
SCALE H: 1"=100' V: 1"=10'

AS BUILT August 30, 1971

WS 375-W/10

W. O. 685-2

NO.	DATE	REVISION
1	7-24-70	Revised Class of pipe (16" W) in Connecting Road (Sta. 0+00 to 6+82). Revised Class of pipe (16" W) in Hammond Parkway (Sta. 21+50 to 23+40).

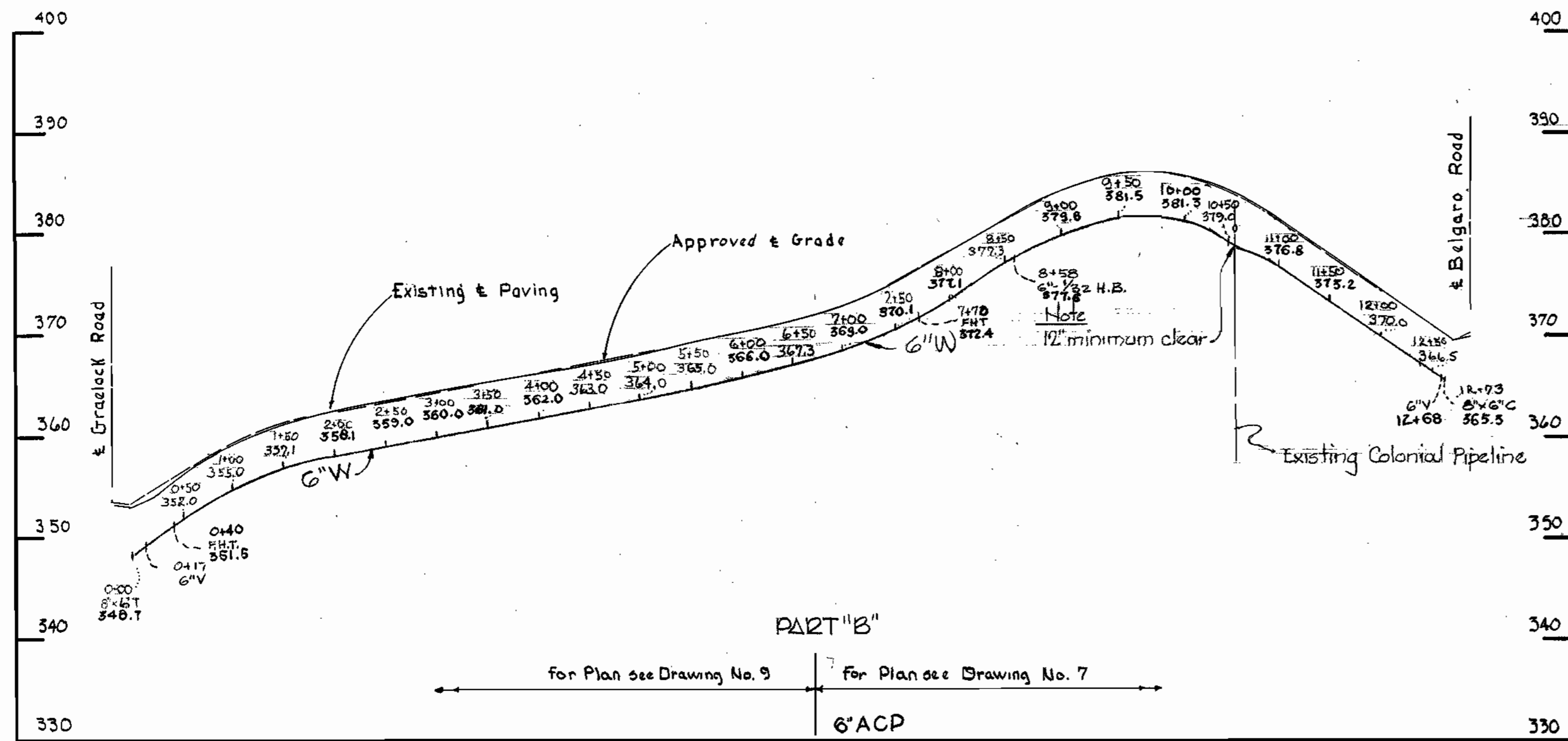


*Kenneth A. McCord*

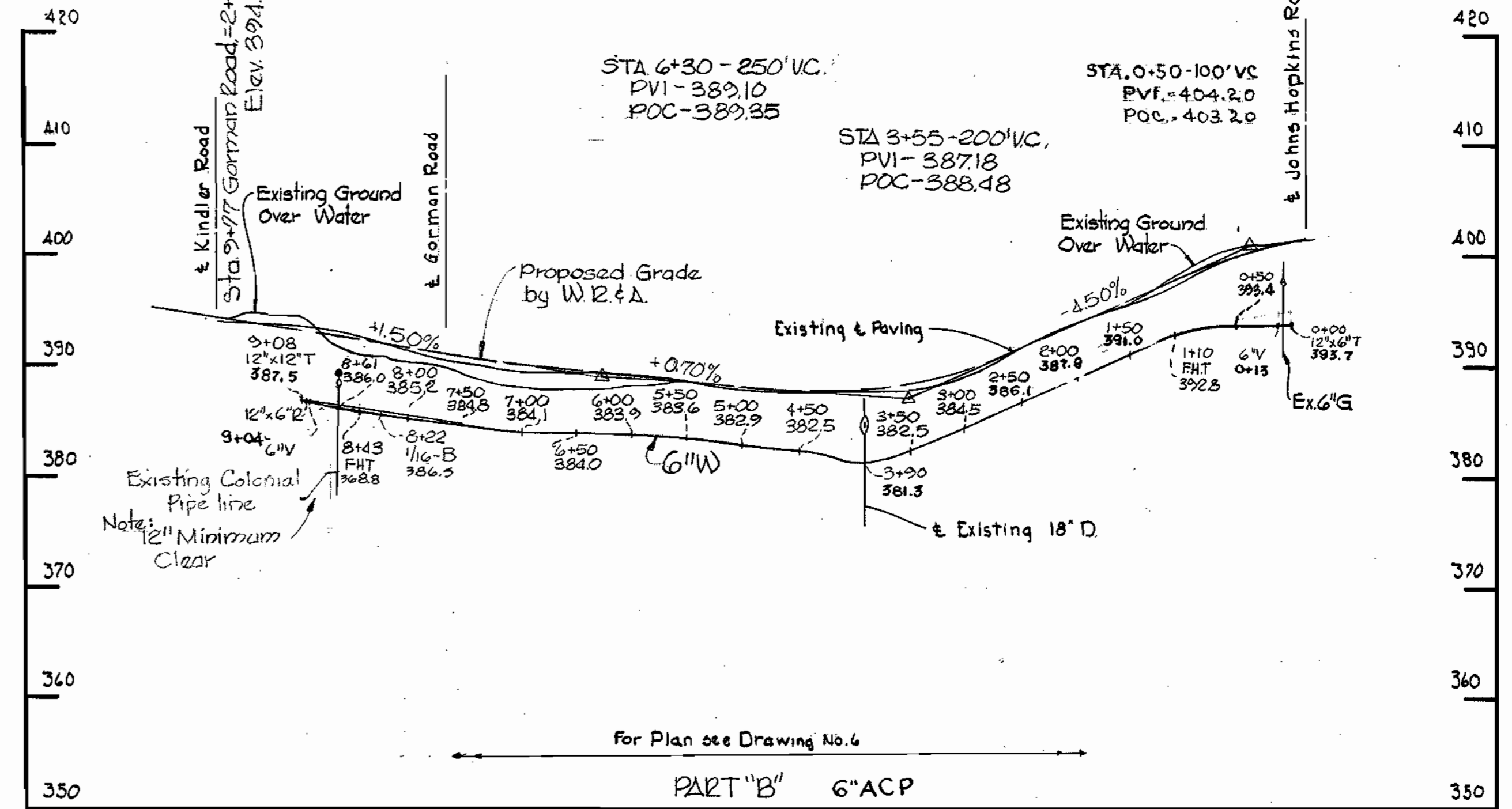
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 7-16-70 <i>W.O. Gilbert</i> CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 375-W	PROFILES OF WATER MAINS	ELECTION DISTRICT GUILFORD NO. 6	Project No. 21-W Contract No. 375-W	DRAWING NO. 11 OF 13	SCALE H=1"=100' V=1"=10'
					AS BUILT August 30, 1971		

WS 375-W/11

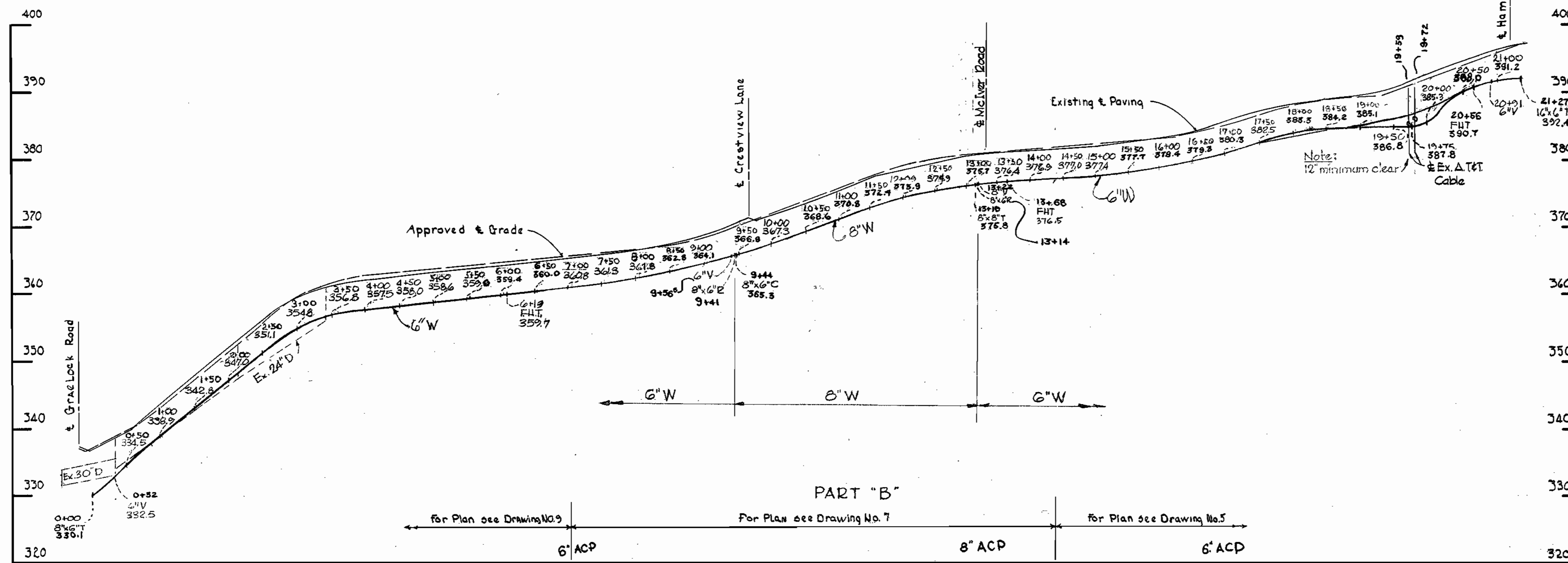
CRESTVIEW LANE



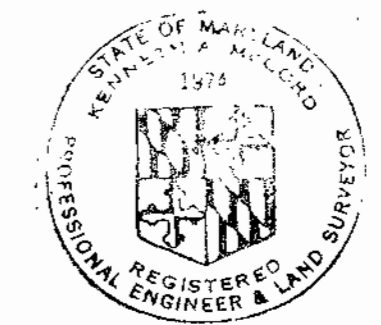
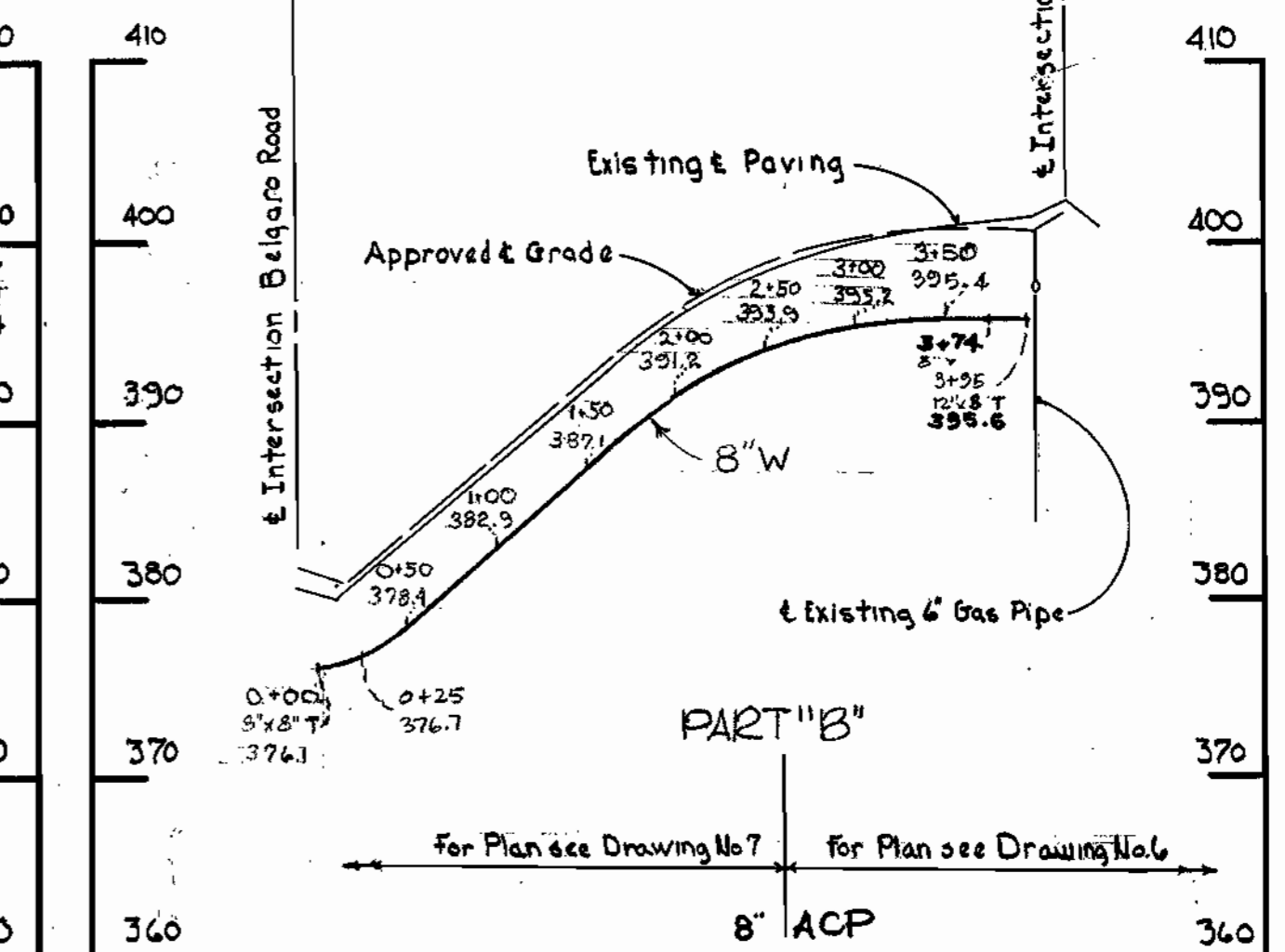
GORMAN ROAD



BELGARO ROAD



MCIVER ROAD



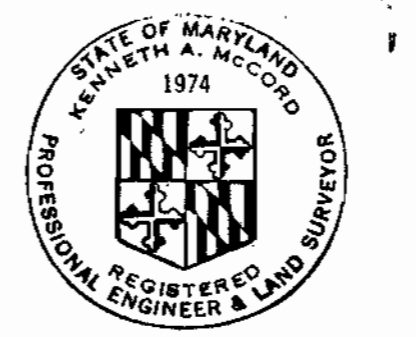
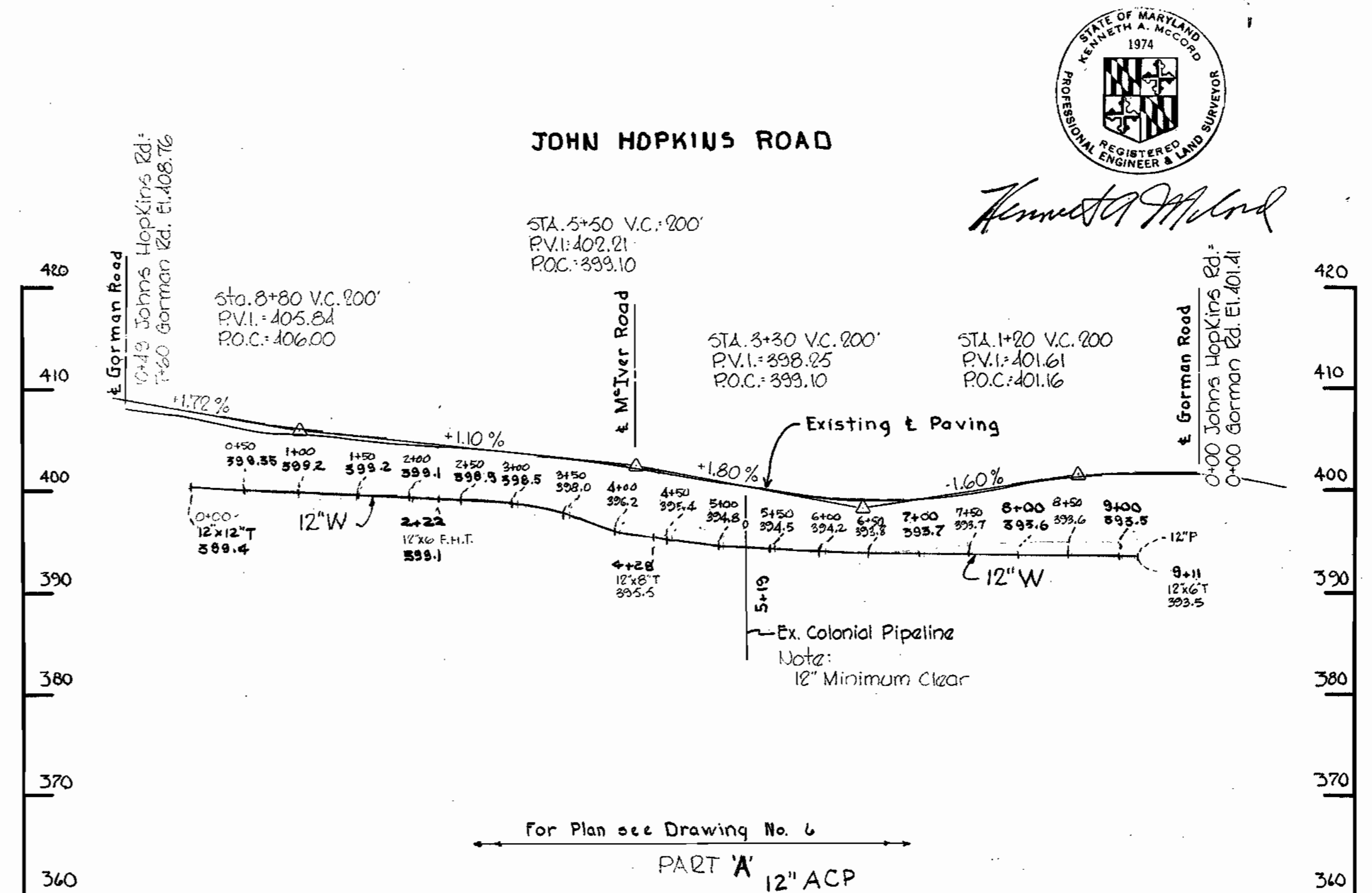
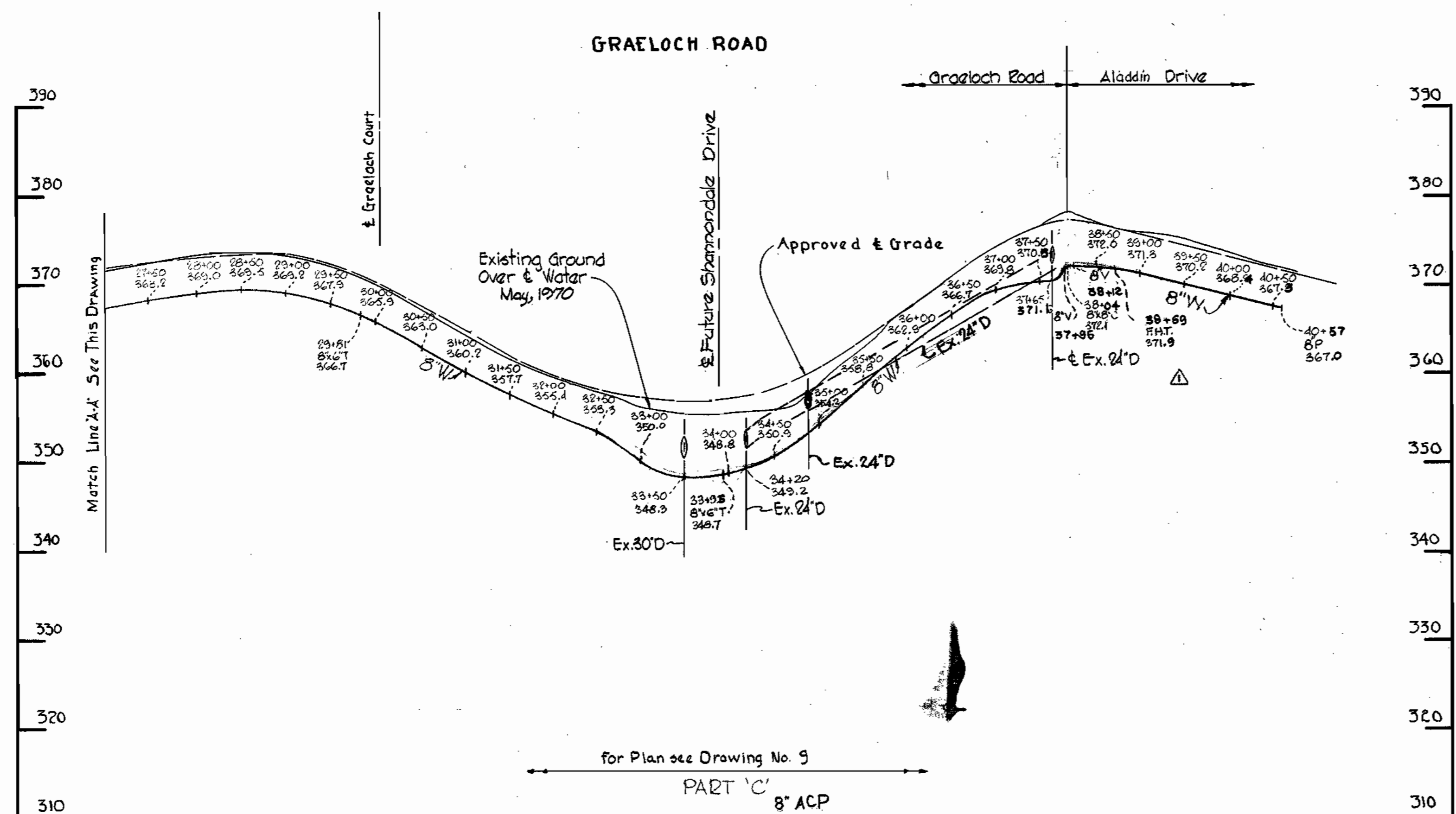
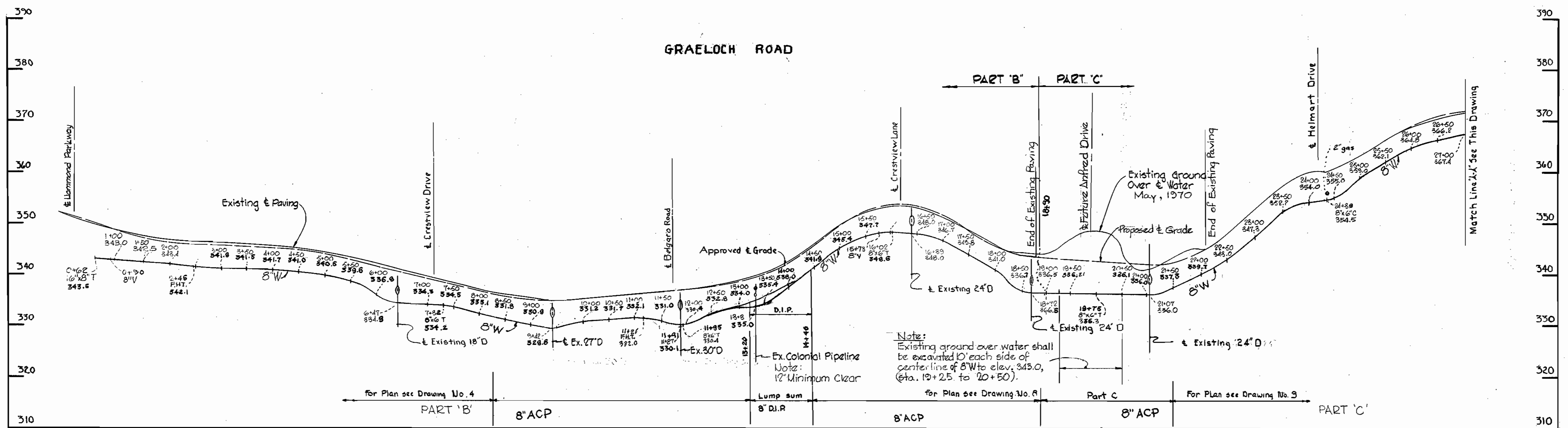
*Handwritten signature of the engineer.*

Project 21-W  
Contract H.C. 375-W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 7-16-70 <i>ed J. West</i> CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 375-W	PROFILE OF WATER MAINS	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 12 OF 13 SCALE H=1"=100' V=1"=10'
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WS 375-W/12

NO.	DATE	REVISION
1	7-24-70	Revised 6" W in Alladin Drive to 8" W (sta. 38+01 to 40+58).



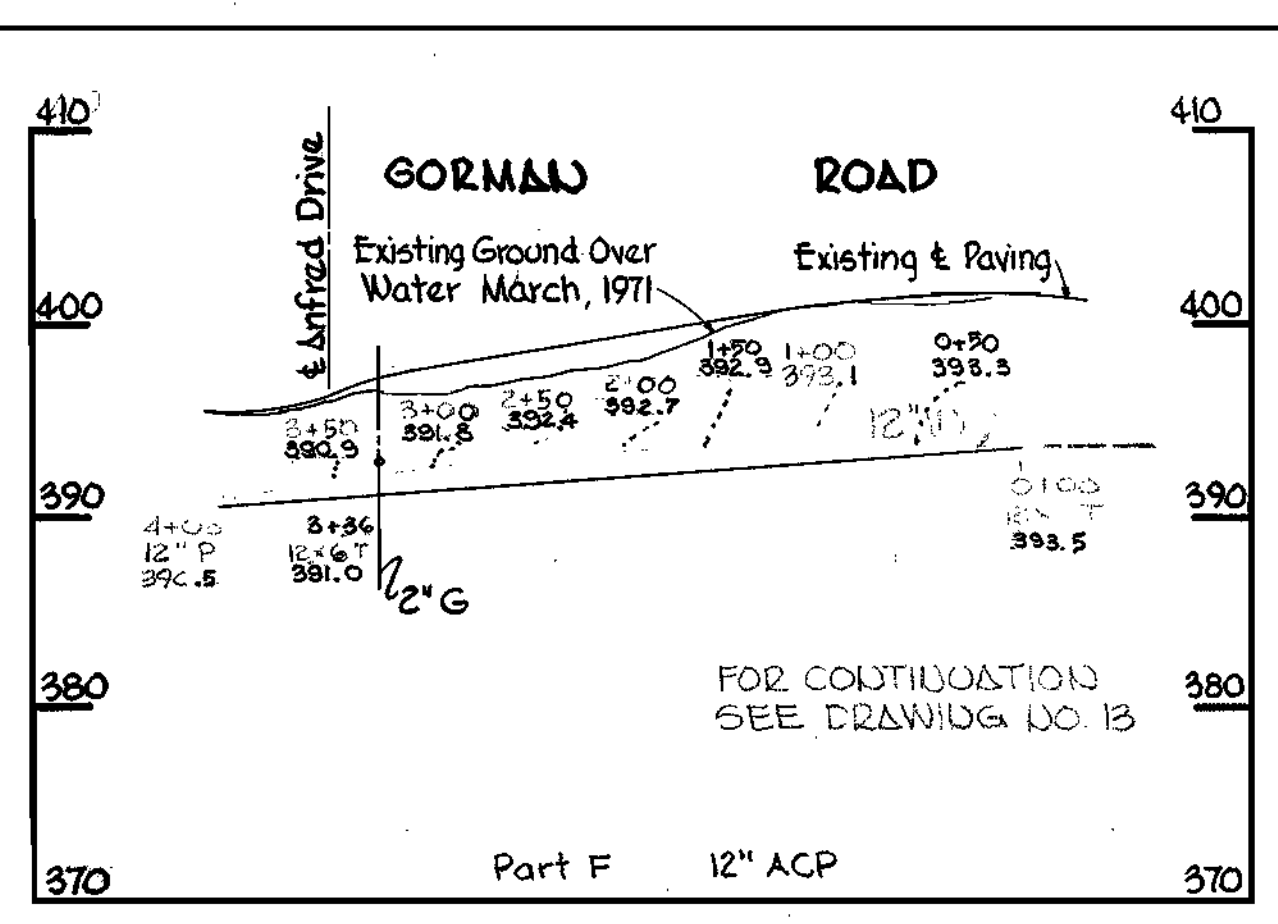
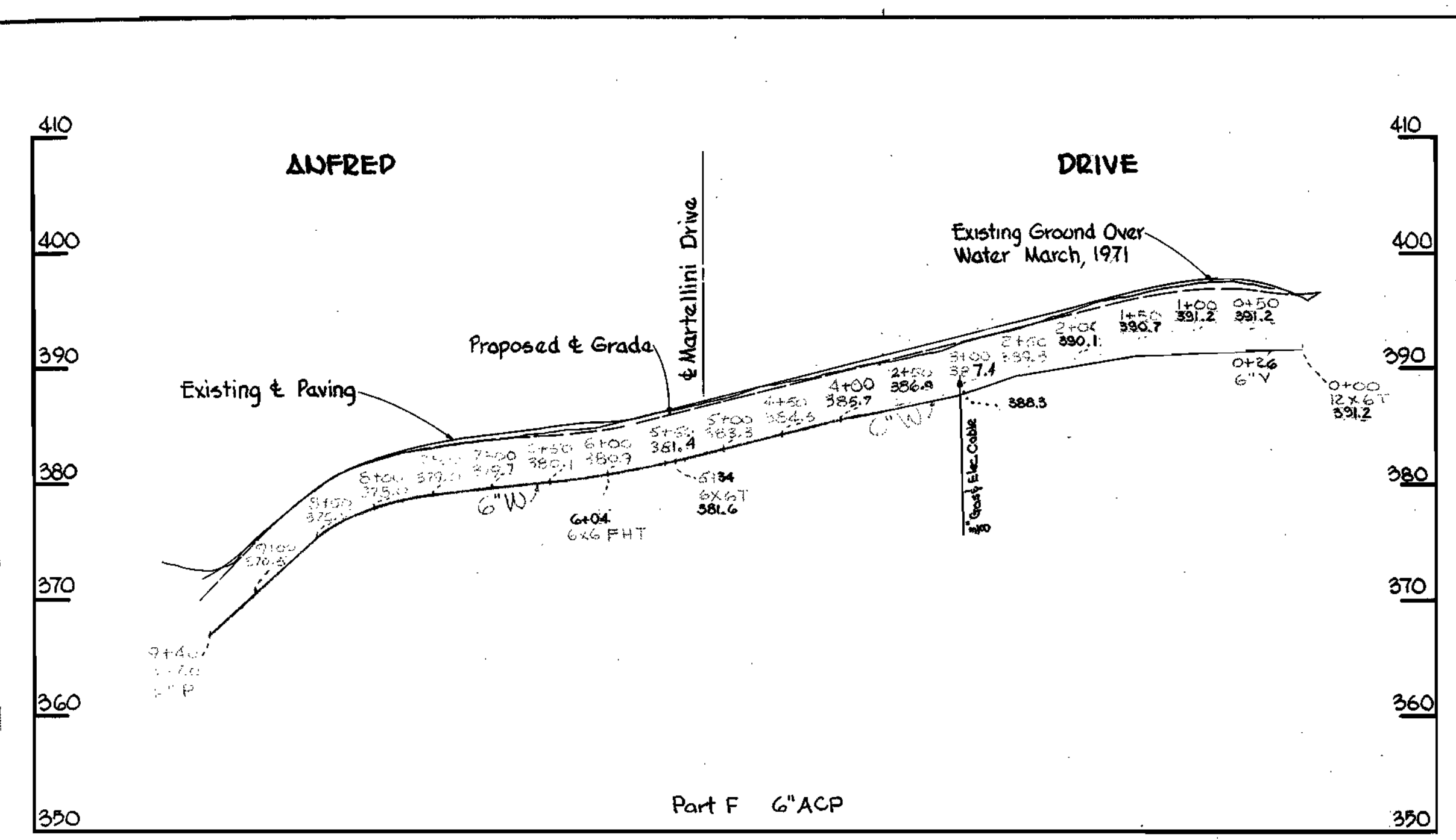
*Kenneth A. McCord*  
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 7-14-70 <i>W.O. Fullenk</i> CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 375-W	PROFILES OF WATER MAINS	ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 13 OF 13	SCALE: H=1"=100' V=1"=10'
					Project 21-W Contract H.C. 375-W	

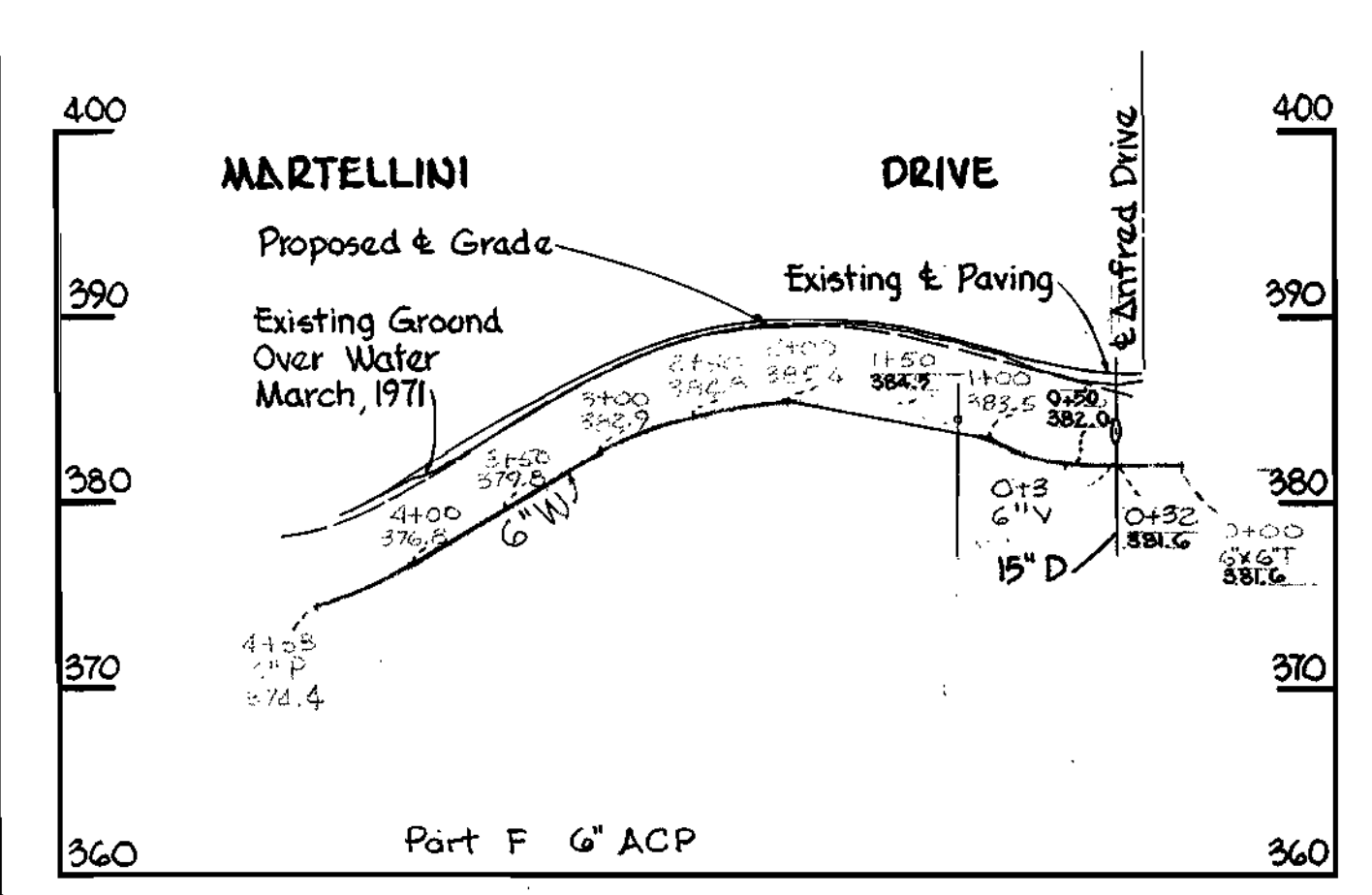
AS BUILT August 30, 1971

WS 375-W/13

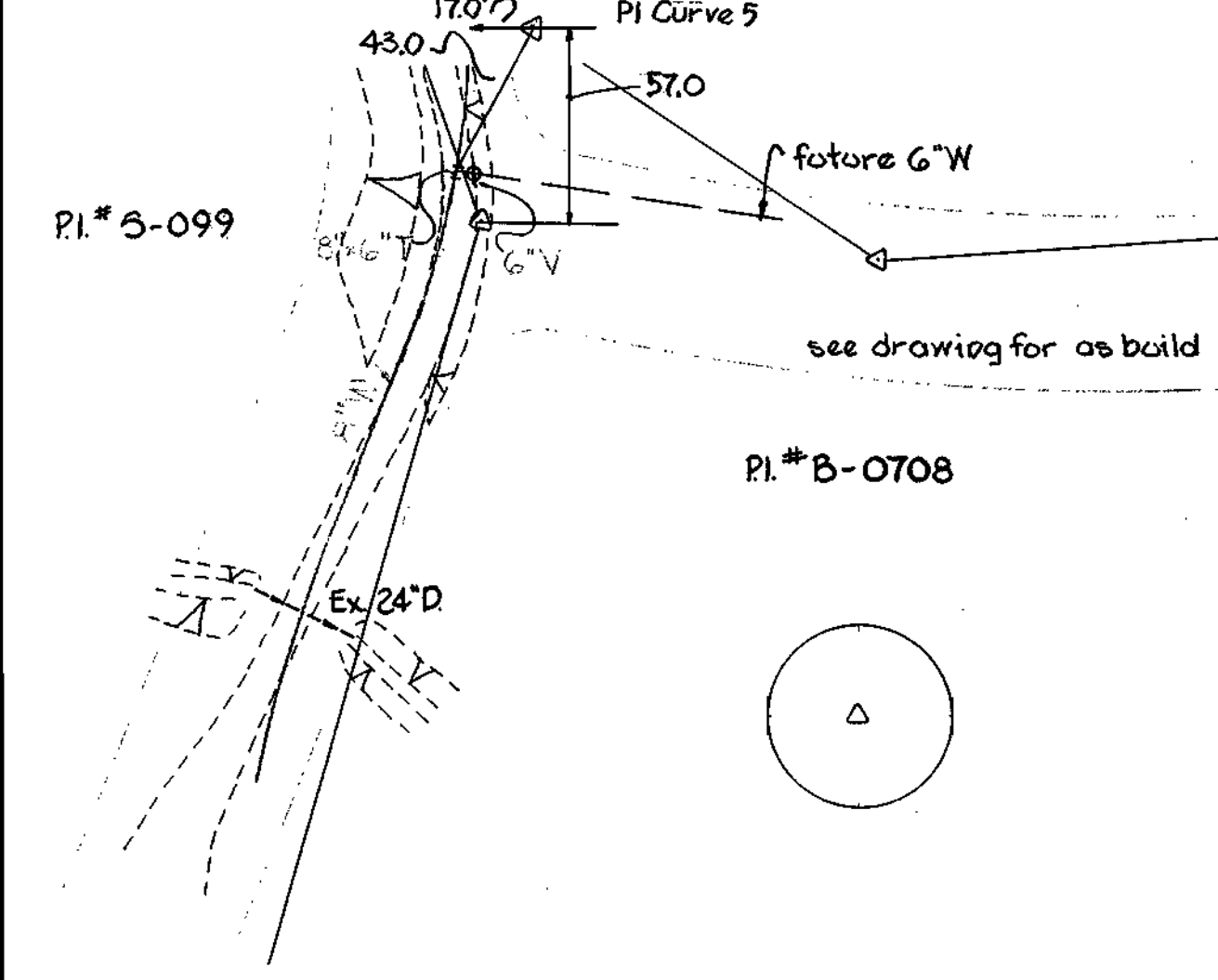
FOR CONTINUATION SEE DRAWING NO. 6



WR&A BM #5-36 Elev. 402.79  
 P.R. Spike in base of G+E Pole #283361  
 at east intersection of Gorman Road  
 and Johns Hopkins Road near  
 Pl #5-094

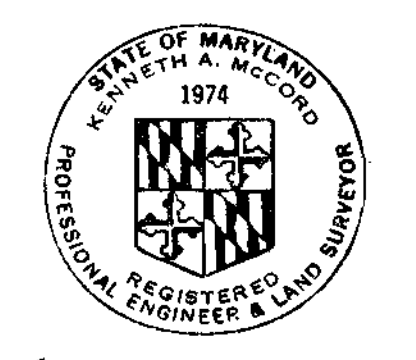
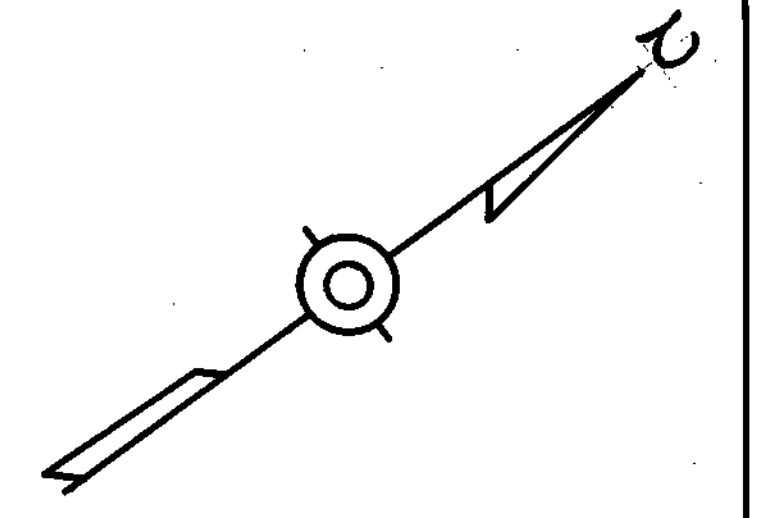
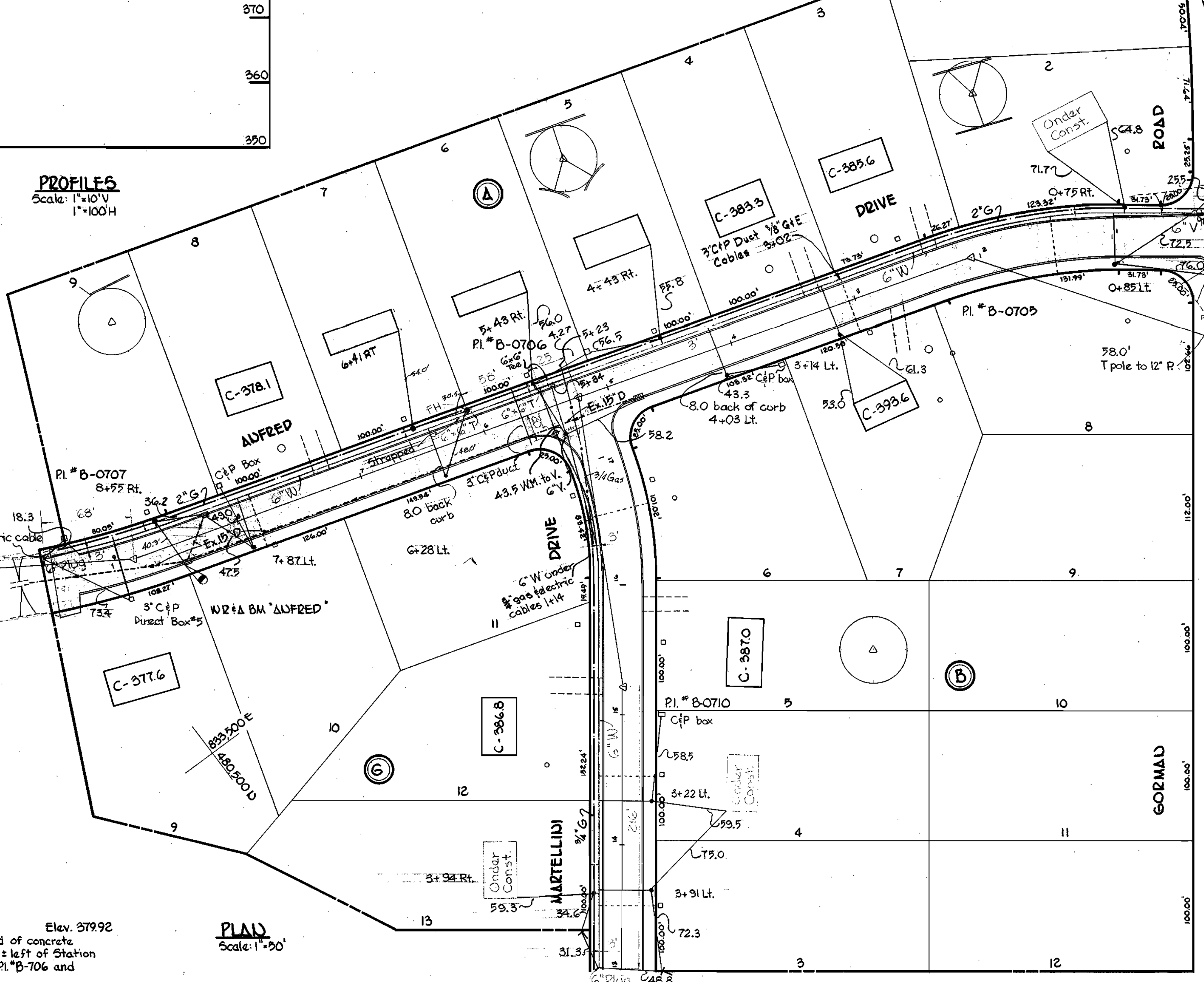


**PROFILES**  
 Scale: 1"=10' V  
 1"=100' H



WR&A BM ANFRED Elev. 379.92  
 cut on south end of concrete  
 headwall inlet, 15' ± left of station  
 3+35 ± between Pl #B-706 and  
 Pl #B-707

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



*Kenneth A. McLeod*

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

**DEPARTMENT OF PUBLIC WORKS**  
 HOWARD COUNTY, MARYLAND  
 DATE **4-6-71**  
*W.D. Libert*  
 CHIEF-BUREAU OF WATER AND SEWER

**CONTRACT NO. 375-W**

**PLAN AND PROFILES OF WATER MAINS**

**ELECTION DISTRICT GUILFORD NO. 6**

**DRAWING NO. 13A OF 13**  
**SCALE AS SHOWN**  
 Project 21-W  
 Contract H.C. 375-W  
 480-477  
 481-477