

VICINITY MAP  
Scale: 1" = 1600'

**GENERAL NOTES**

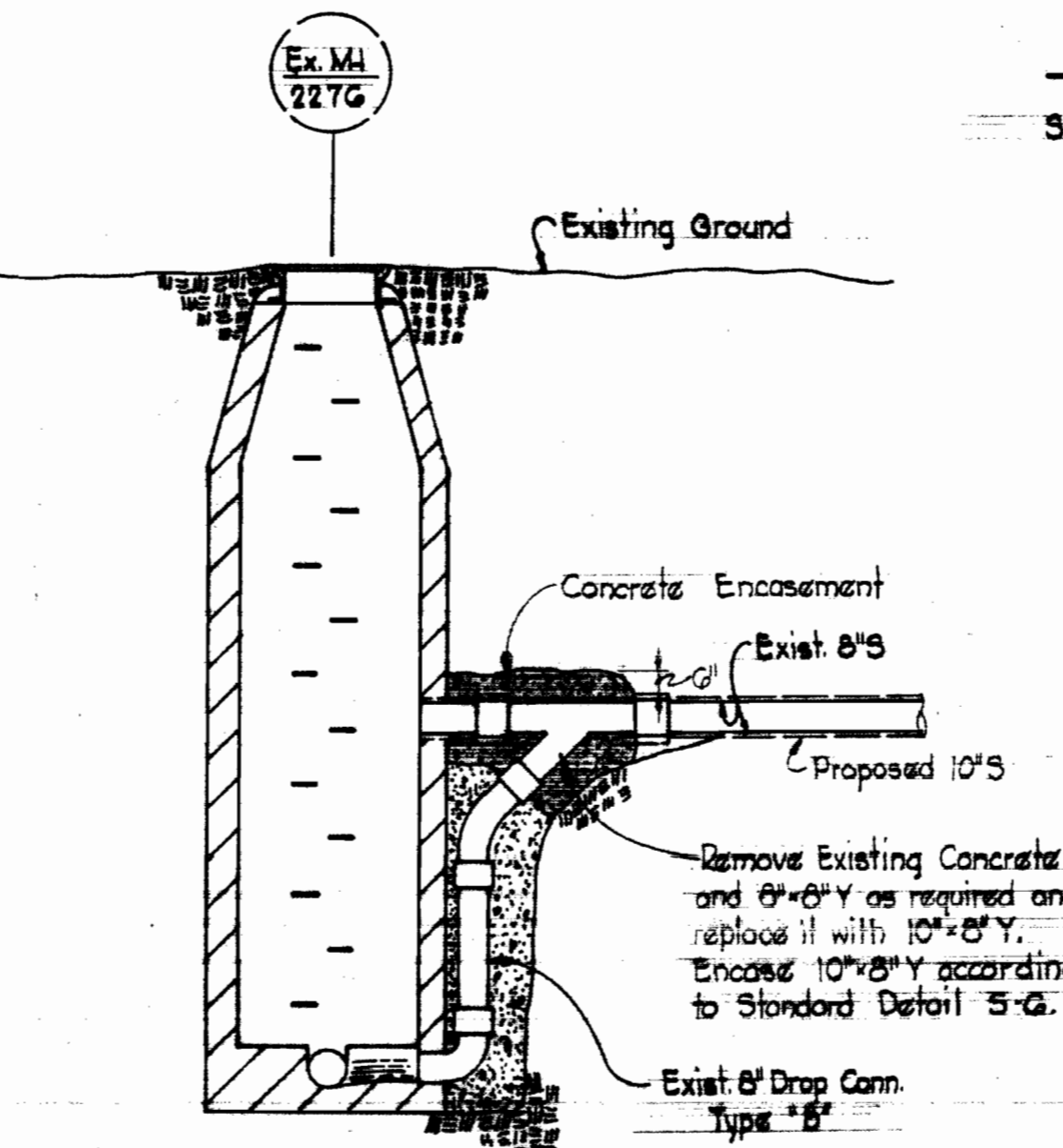
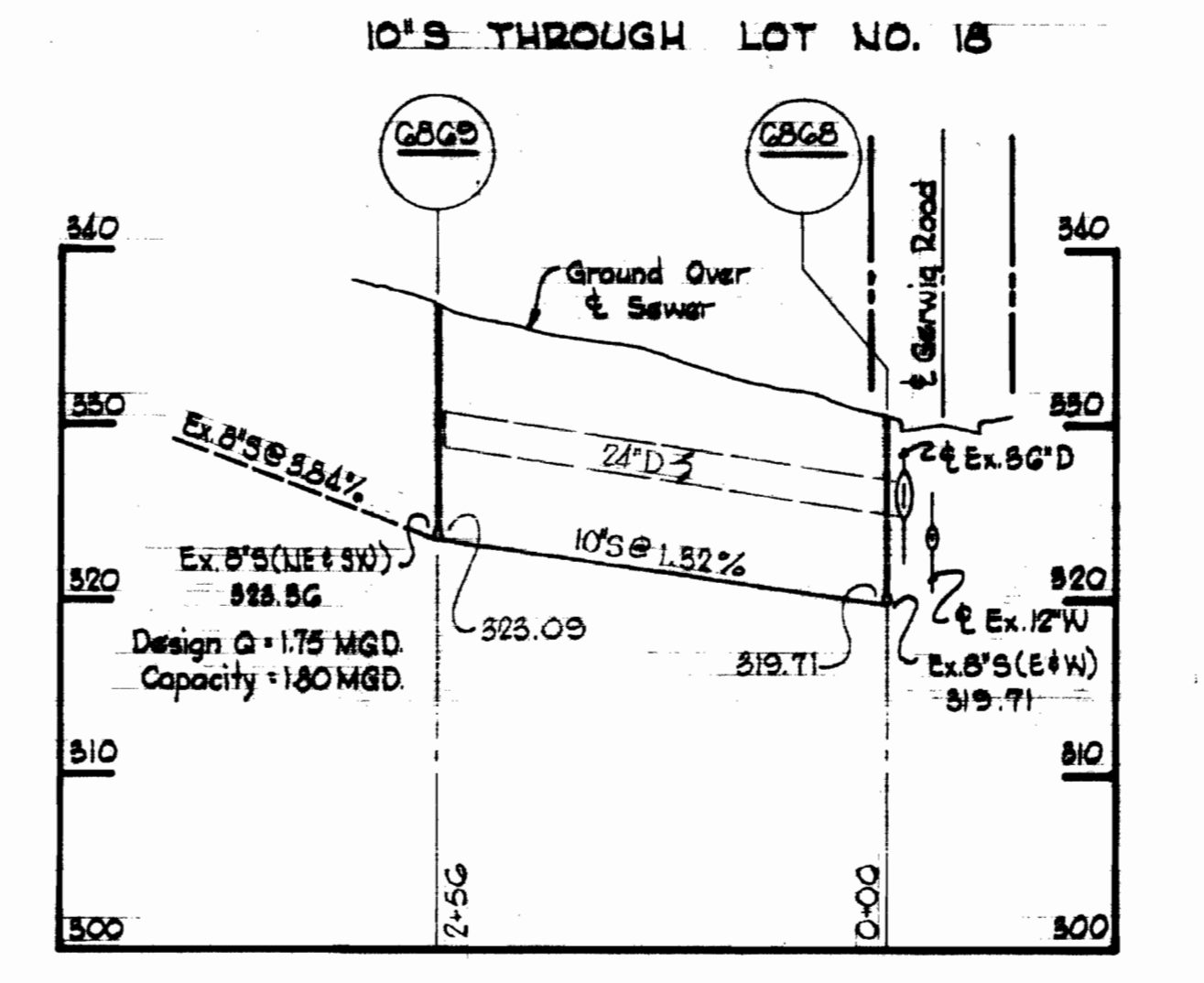
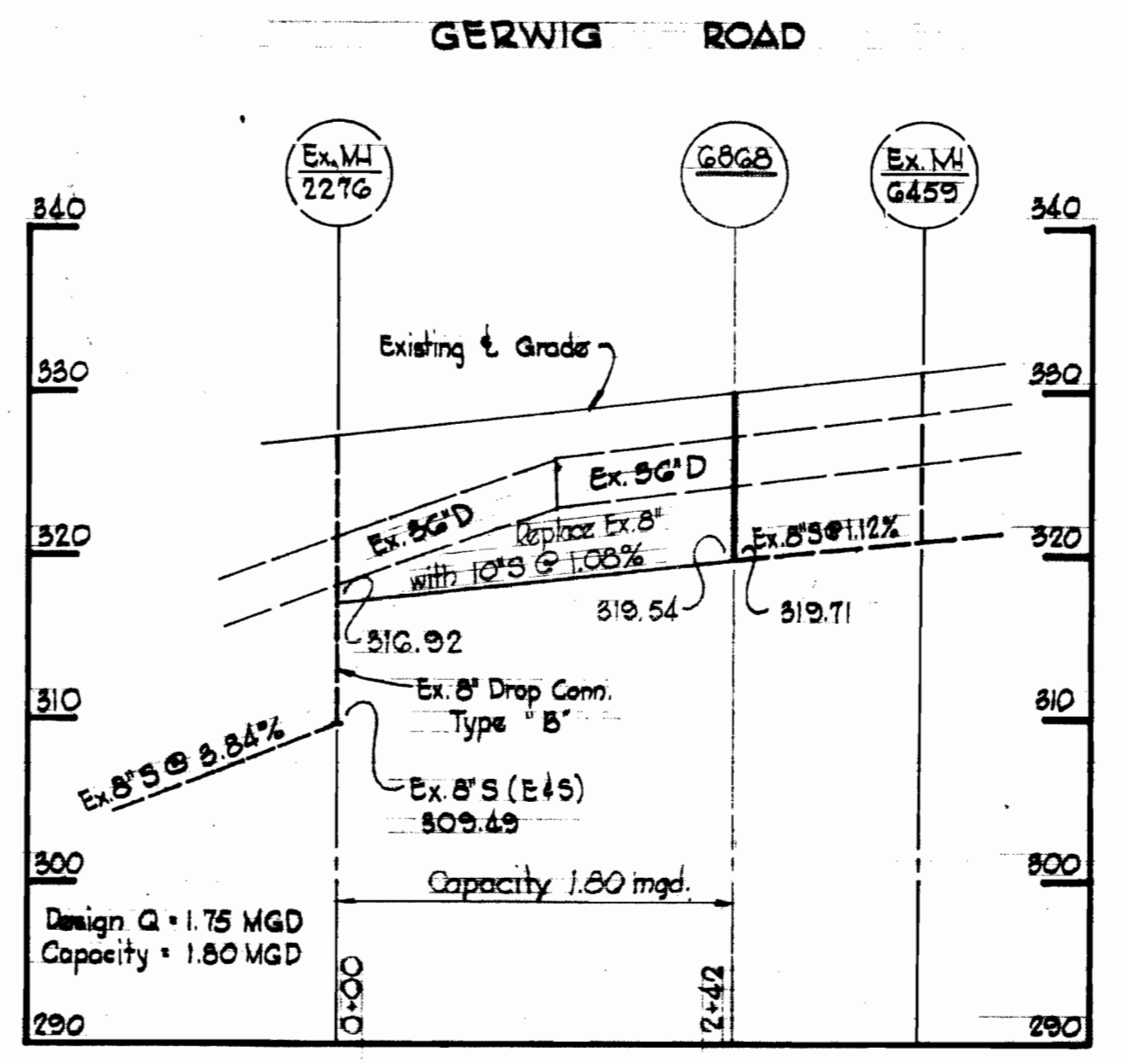
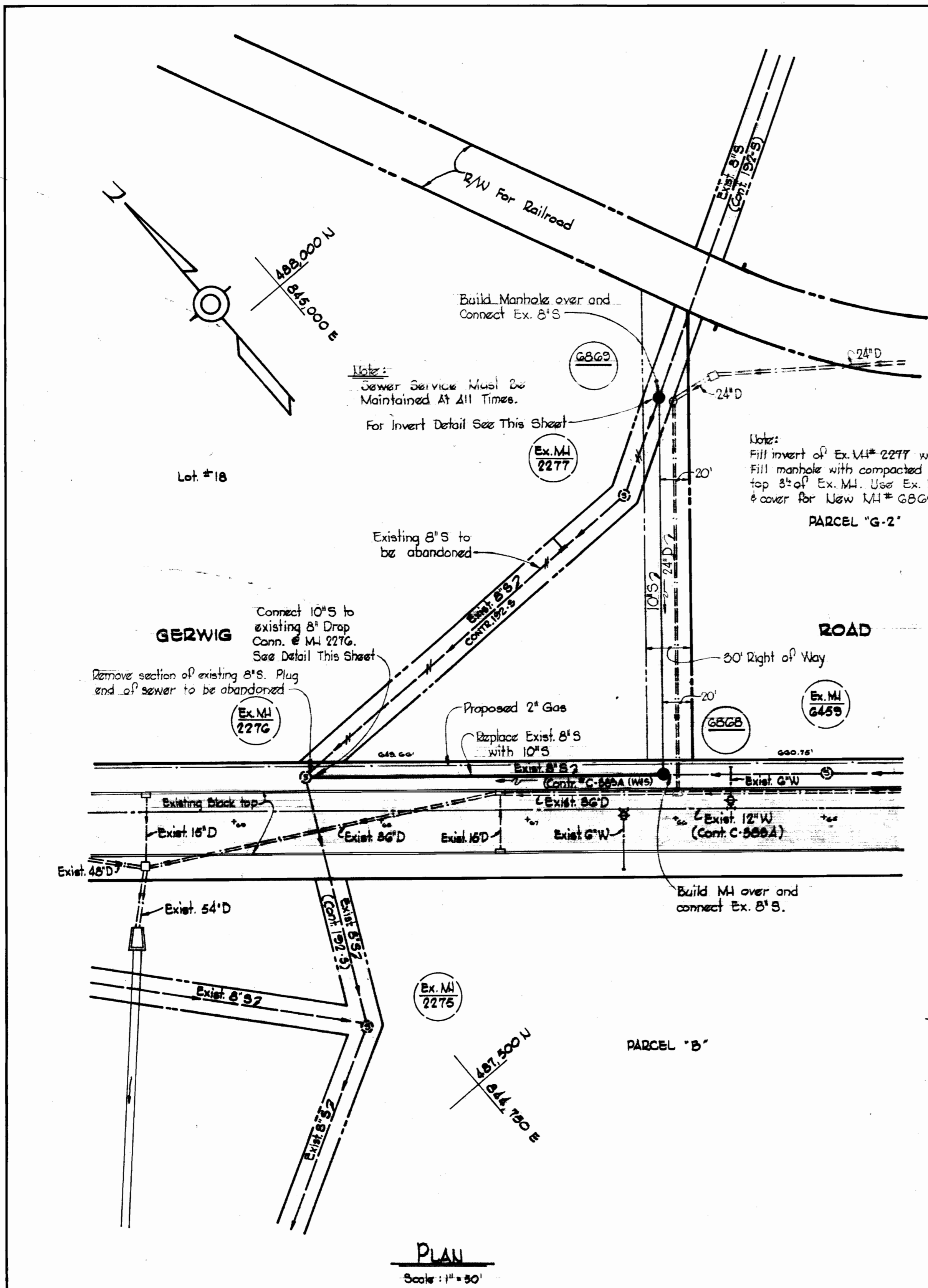
1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall 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 1/2' Cover.
6. Block all fittings with concrete see standards bound in Specifications.
7. All fire hydrants shall be strapped to trees and shall be buttressed with concrete in accordance with Standard Details.
8. Clear all utilities by a minimum of 6", clear all poles by a 2'-0" minimum, or tunnel as required, unless otherwise noted.
9. All horizontal and vertical controls are based on Maryland State Datum.
10. All sewer shall be V.C.P.X., C.S.P.X., or Asbestos Cement Class 8400 unless otherwise noted.
11. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.

STAKEOUT + DIAZY IN F.B. # 5022

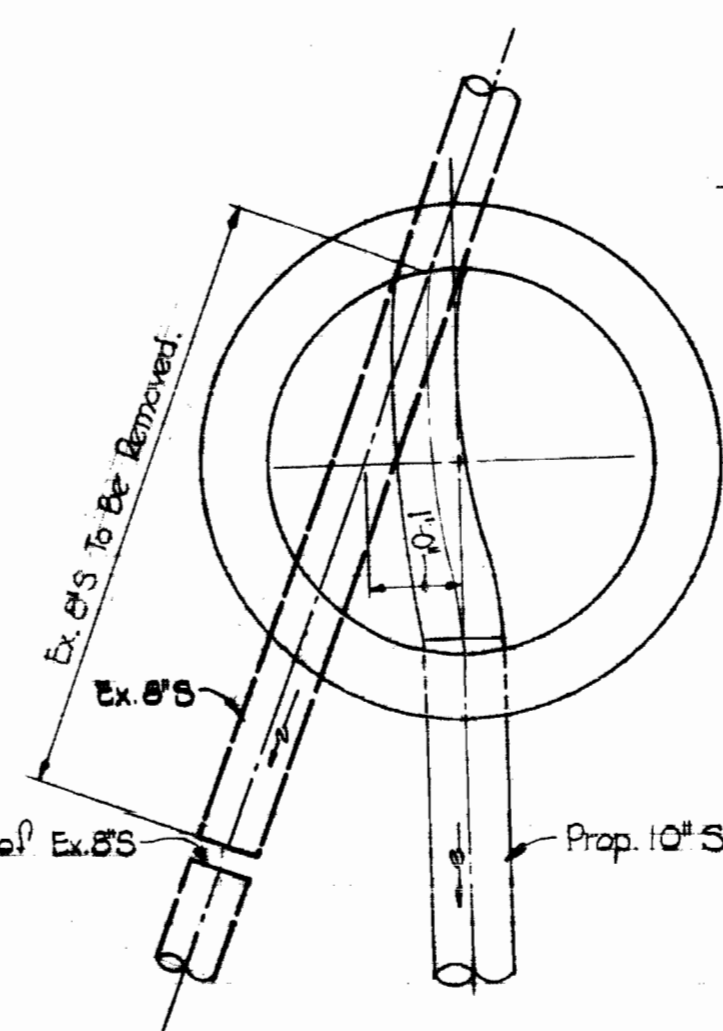


*Kenneth A. McLeod*  
Contract No. 5022

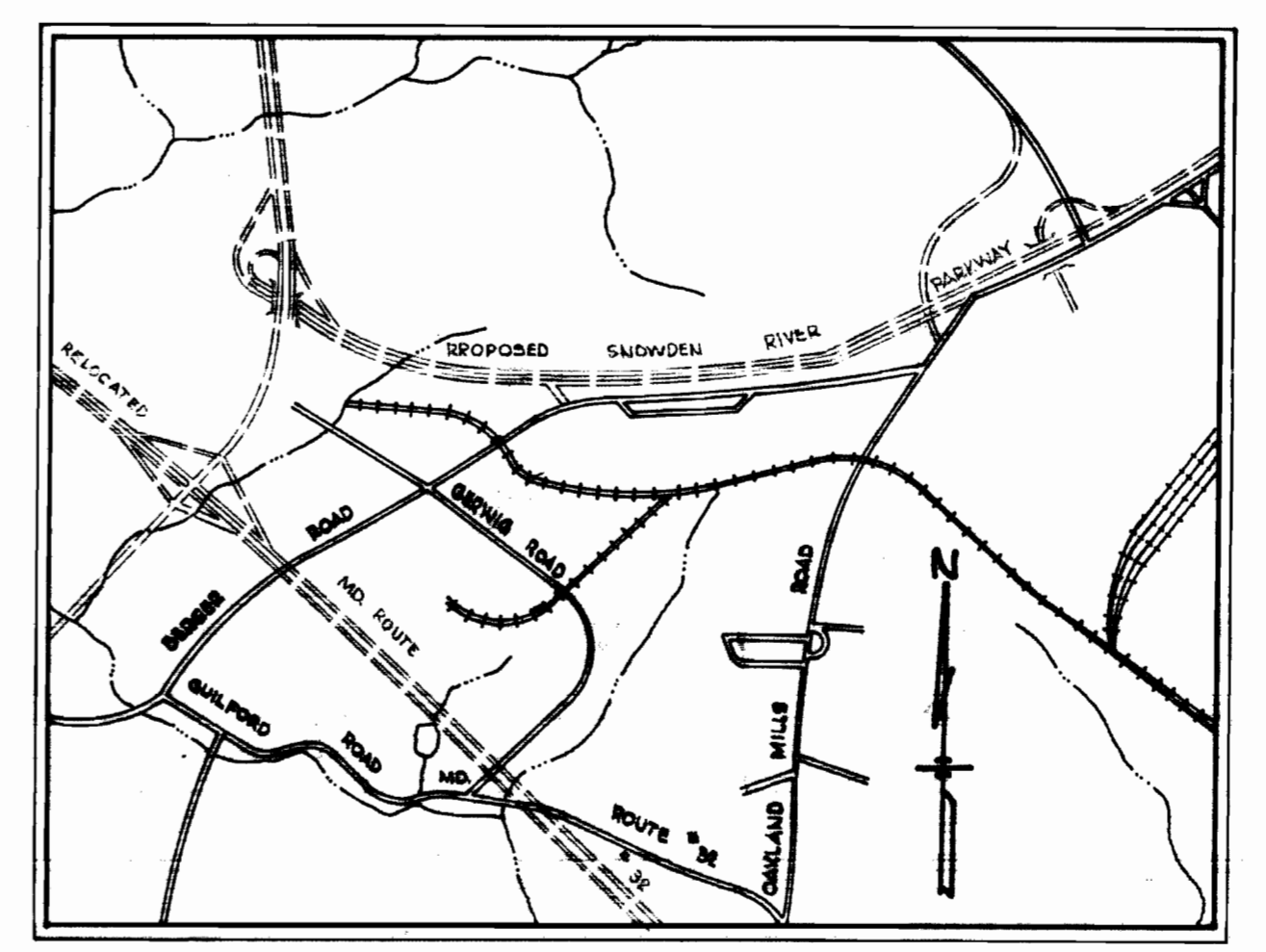
<p>WHITMAN, REQUARDT &amp; ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND</p>	<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 2-11-71 DATE <i>W. O. Fallent</i> CHIEF SURVEYOR OF WATER AND SEWER</p>	<p>CONTRACT NO. <i>5022</i></p>	<p>PLAN OF WATER AND SEWER MAINS</p>	<p>COLUMBIA E.G.U. - SECTION 2 - AREA 3 ELECTION DISTRICT GUILFORD NO. 6</p>	<p>DRAWING NO. <i>5</i> OF <i>6</i> SCALE <i>1" = 50'</i></p>
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**DETAIL OF DROP CONNECTION**  
 @ MH # 2276  
 Scale: None



**INVERT DETAIL OF MH #G869**  
 Scale: 1/2" = 1'-0"

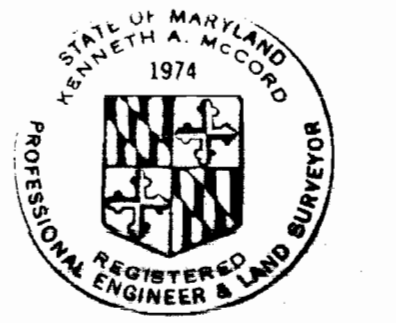


**VICINITY MAP**  
 Scale: 1" = 1600'

**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 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. Clear all utilities by a minimum of 6', clear all poles by a 2'-0" minimum, or tunnel as noted, unless otherwise noted.
6. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
7. All manholes shall be 4'-0" inside diameter.
8. All horizontal and vertical controls are based on Maryland State datum.
9. All Sewer Mains shall be Asbestos Cement Pipe Class 2400.

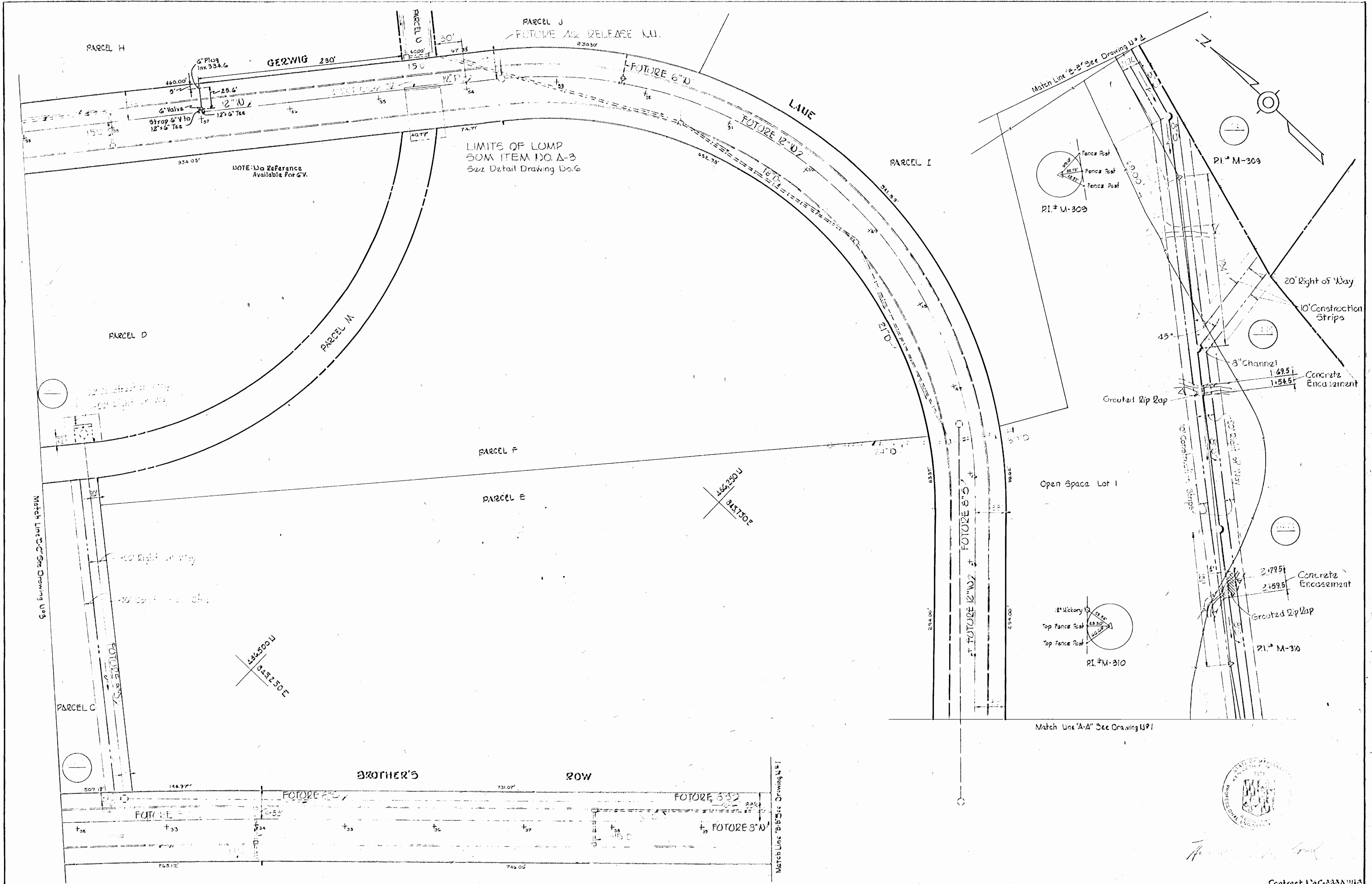
THIS DRAWING SUPERCEDES THAT PART OF CONTRACT C-383A, SHEET B OF G BETWEEN MHS 2276 AND G459



*Kenneth A. McCord*

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 4-6-72 W.O. [Signature] CHIEF - BUREAU OF WATER AND SEWER	CONTRACT NO. 383A-S	PLAN AND PROFILE OF SEWER MAINS	COLUMBIA E.G.U. SUBDIVISION LOT NO. 18 8 <sup>th</sup> PARCEL "G-2" ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 1A OF 6 SCALE AS SHOWN 487-486 487-484
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WS 383A-S/1A



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

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 DATE 2-11-71  
 Chief: BUREAU OF WATER AND SEWER

CONTRACT NO. C-333A-WAS

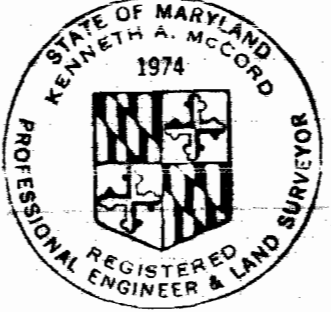
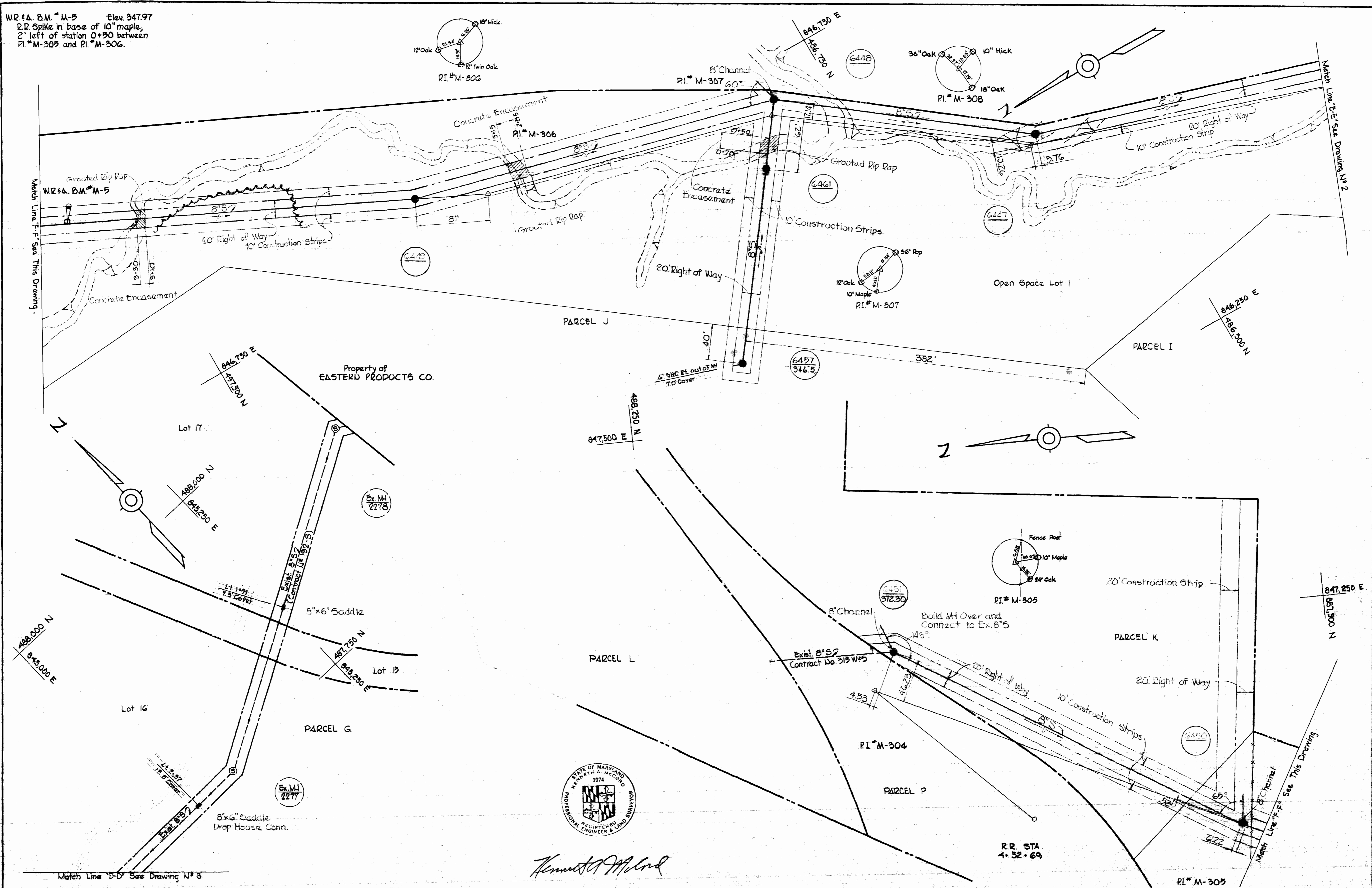
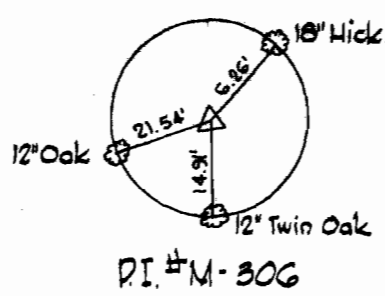
PLAN OF  
 WATER & SEWER MAINS

COLUMBIA  
 E.G.U. - SECTION 2 - AREA 3  
 ELECTION DISTRICT GUILFORD NO. 6

CONTRACT NO. C-333A-WAS  
 DRAWING NO. 2 OF 6  
 SCALE 1" = 50'  
 485-484  
 486-483  
 487-484  
 487-484



W.R. & A. B.M. # M-5 Elev. 347.97  
 R.R. Spike in base of 10" maple,  
 2' left of station 0+50 between  
 P.I. # M-305 and P.I. # M-306.

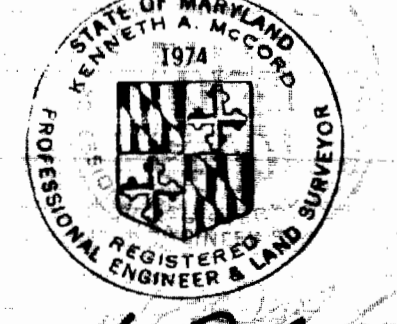
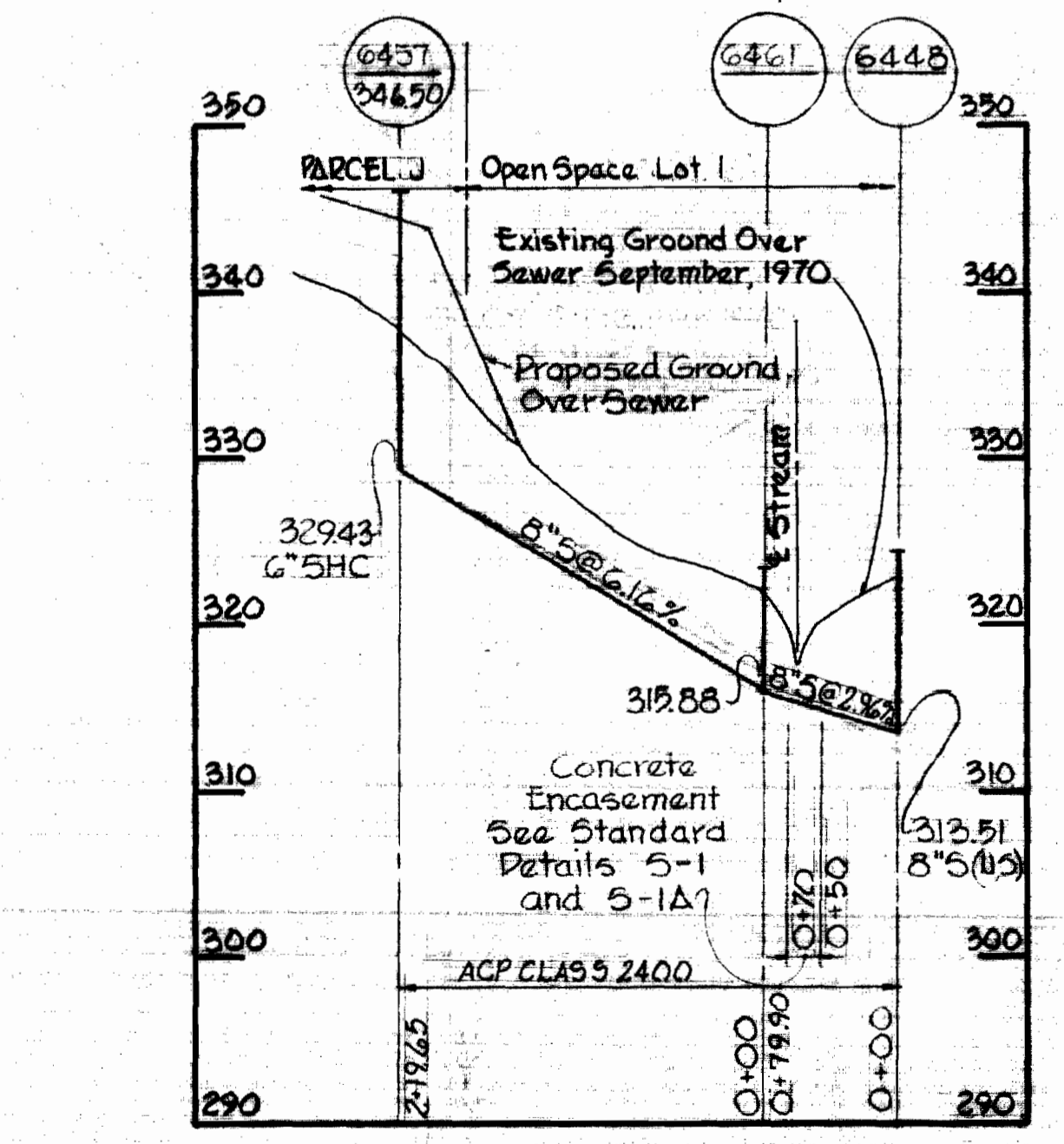
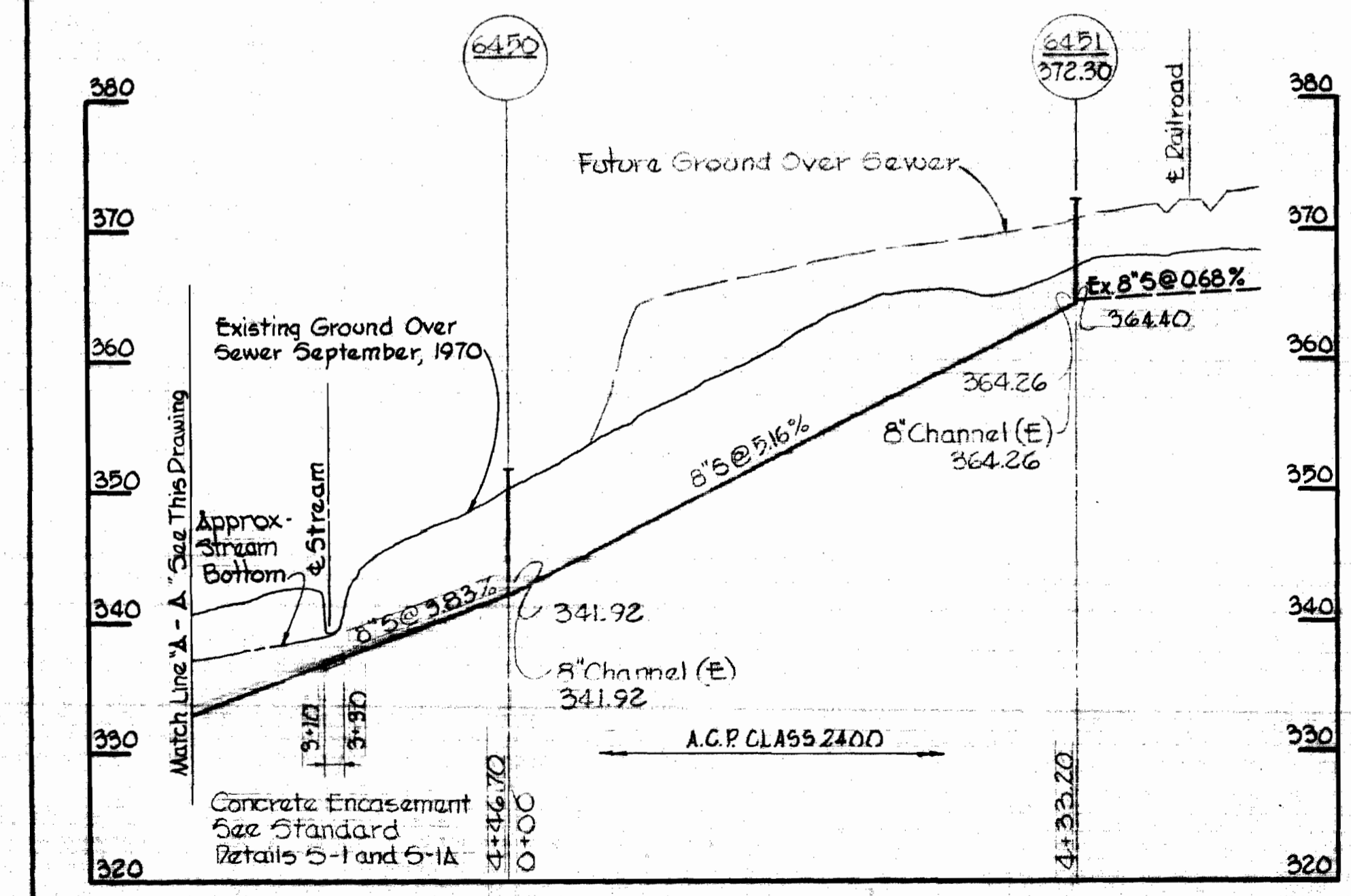
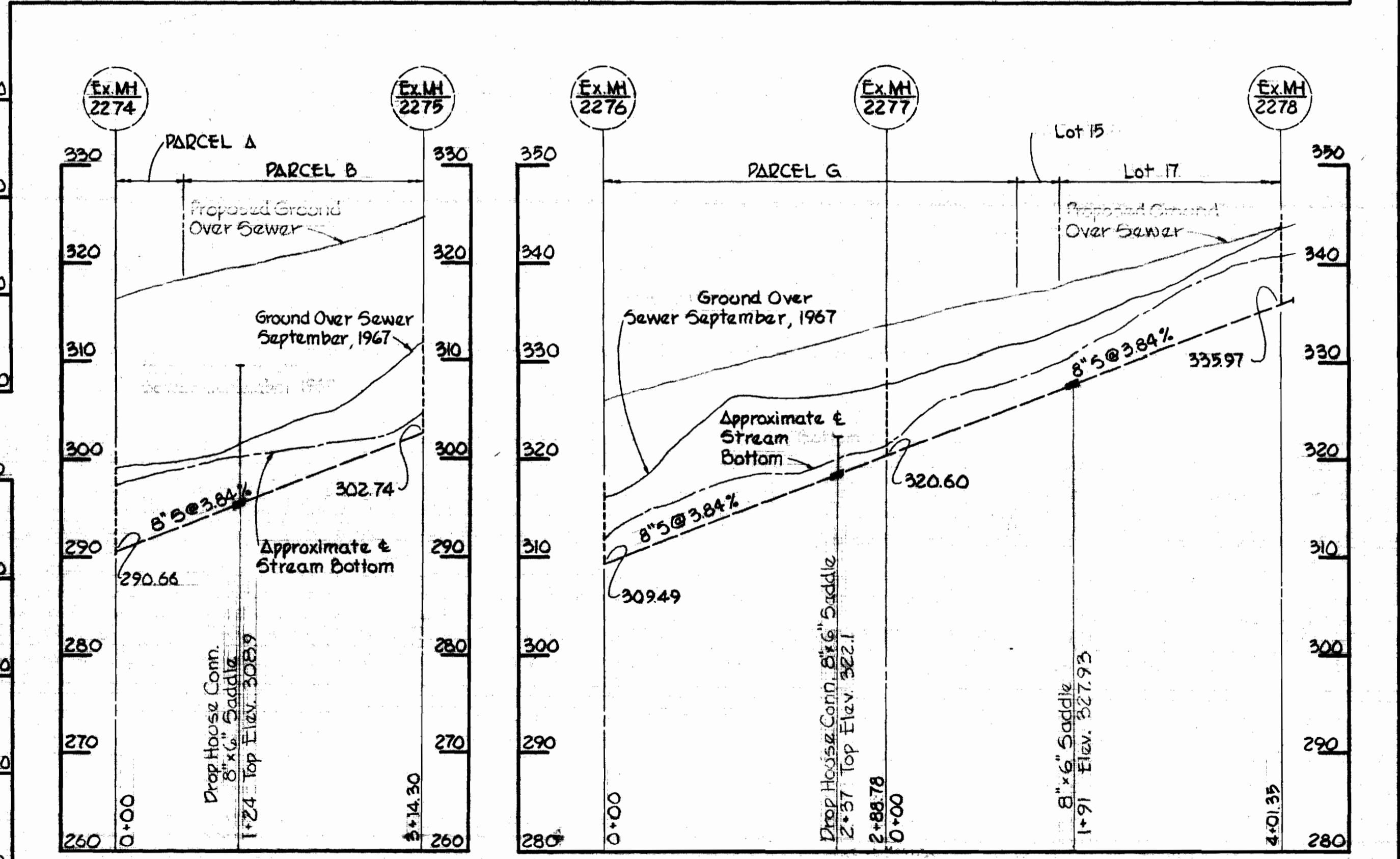
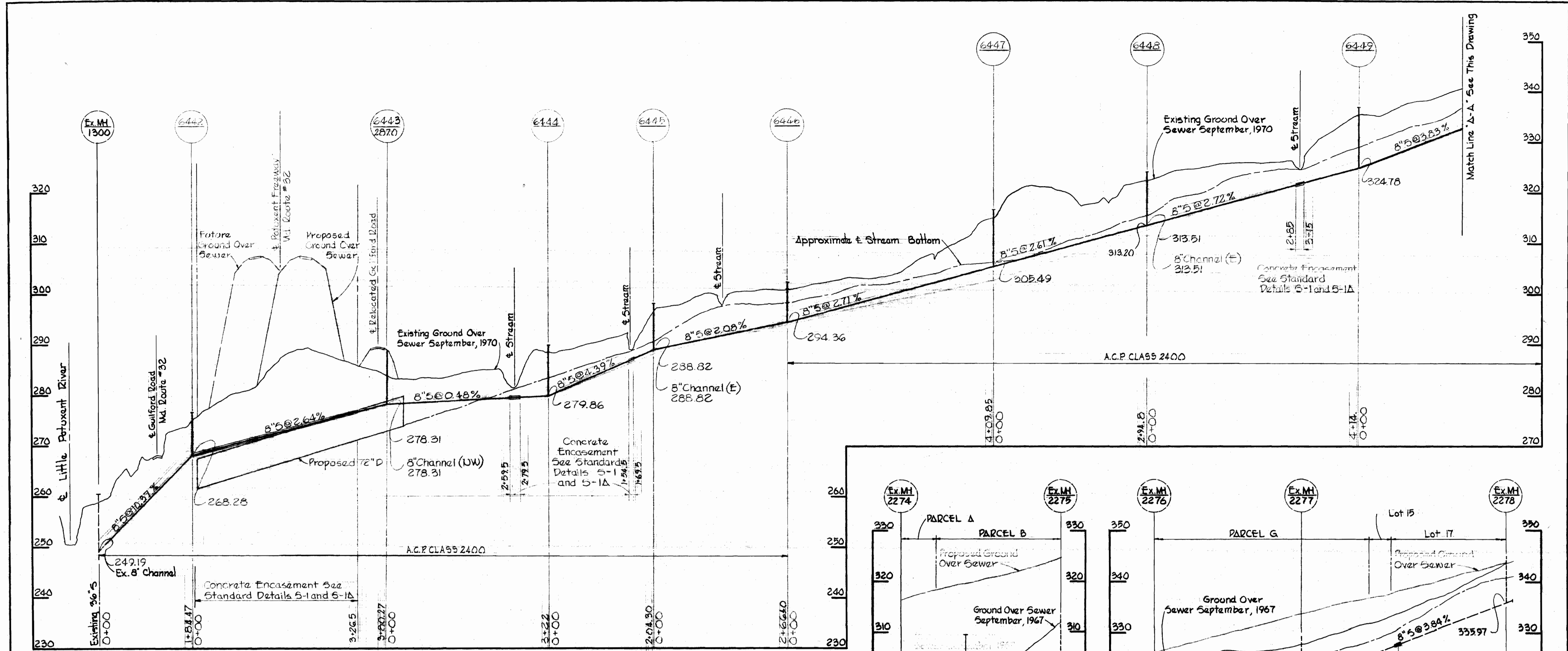


*Kenneth A. McCord*

<b>WHITMAN, REQUARDT &amp; ASSOCIATES</b> ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 2-11-71 CHIEF - BUREAU OF WATER AND SEWER	CONTRACT NO. C-383A-WAS	PLAN OF WATER & SEWER MAINS	COLUMBIA E.G.U. - SECTION 2 - AREA 3 ELECTION DISTRICT GUILFORD NO. 6	Contract No. C-383A-WAS DRAWING NO. 4 OF 6 SCALE 1" = 50' 486-484 487-484 497-483 488-483
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WS 383 A-W&S/4

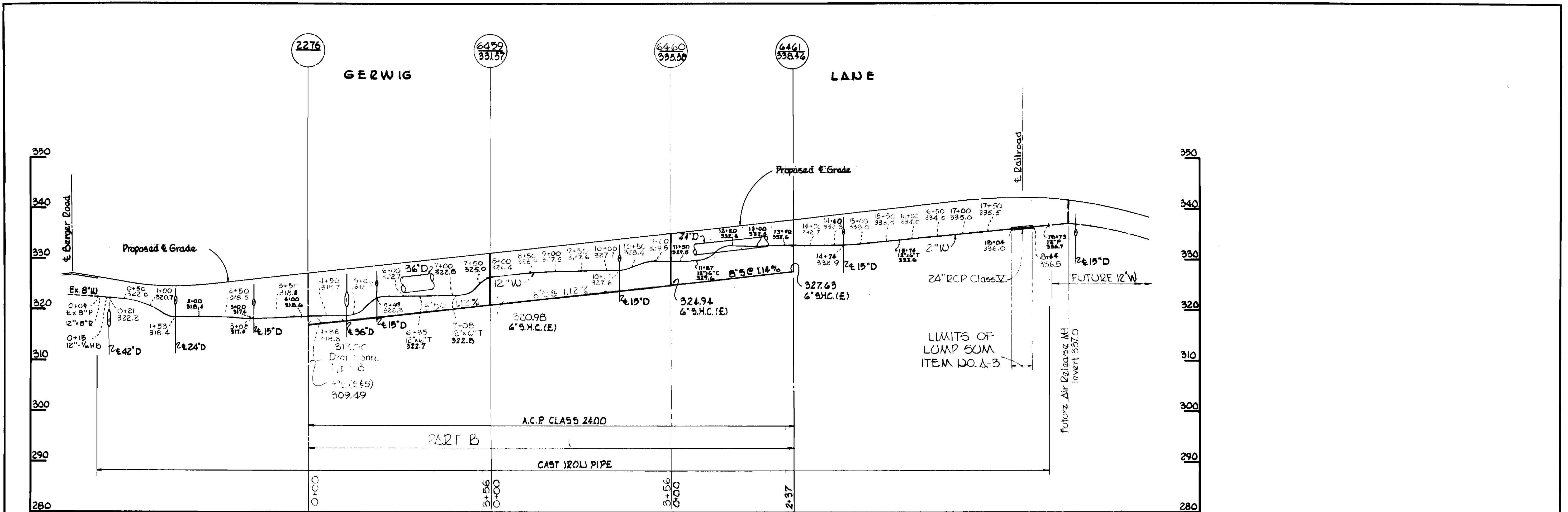
WS 383 A-W&S/5



*Kenneth A. McLeod*

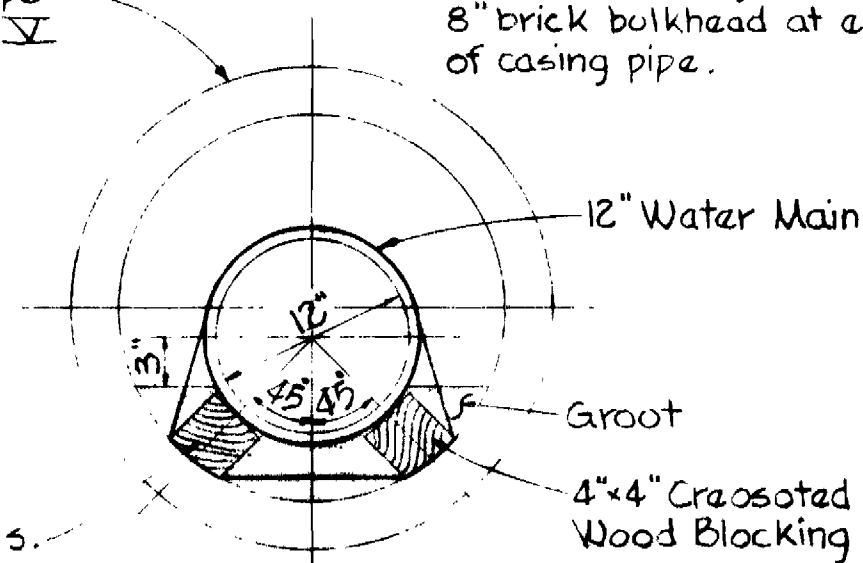
Contract No. C-383A W&S

<p><b>WHITMAN, REQUARDT &amp; ASSOCIATES</b> ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND</p>	<p><b>DEPARTMENT OF PUBLIC WORKS</b> HOWARD COUNTY, MARYLAND 2-11-71 DATE <i>W O Falbeil</i> CHIEF - BUREAU OF WATER AND SEWER</p>	<p><b>CONTRACT NO. C-383A-W&amp;S</b></p>	<p><b>PROFILES OF WATER &amp; SEWER MAINS</b></p>	<p><b>COLUMBIA</b> E.G.U. - SECTION 2 - AREA 3 ELECTION DISTRICT GUILFORD NO. 6</p>	<p><b>DRAWING NO. 5 OF 6</b> <b>SCALE 1"=10' V 1"=100' H</b></p>
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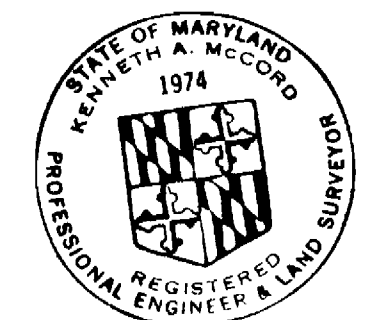
- NOTES:
1. Provide blocking at crown of water pipe to prevent flotation during grouting operations.
  2. Provide joint in 12" Water main within 12" of ends of casing pipe.

4"x4" Creosoted Wood Blocking strapped to pipe with 1"x1/2" steel bands.



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

NOTE:  
Creosoted wood blocking 18" long shall be provided at each end of every water main pipe length placed 12" from ball and pigot. Provide 8" brick bulkhead at ends of casing pipe.



*Kenneth A. McLeod*

Contract No. C-383A-W15

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 2-11-71 <i>W. O. Palumbo</i> CHIEF - BUREAU OF WATER AND SEWER	CONTRACT NO. C-383A-W15	PROFILES OF WATER & SEWER MAINS	COLUMBIA E.G.U.-SECTION 2 - AREA 3 ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 6	SCALE 1"=10' V 1"=100' H
					OF 6	