

SCALE: 1" = 400'  
 0 400 800 1200

MATERIALS TO BE FURNISHED BY THE COMMISSION	
ITEM	QUANTITY
6" Valves	7
8" Valves	7
12" Valves	4
Fire Hydrants	4

QUANTITIES	
ITEM	QUANTITY
6" water mains	360 LF.
8" water mains	850 LF.
12" water mains	6,220 LF.
8" sewer mains	5,000 LF.
10" sewer mains	370 LF.
12" sewer mains	350 LF.

STAKEOUT in FB # 4342  
 DIARY in FB # 4324

# CONTRACT C-268W8S

## WATER AND SEWER MAIN EXTENSIONS

### HOWARD COUNTY METROPOLITAN COMMISSION

#### ELLICOTT CITY, MARYLAND



*Kenneth A. McLeod*  
 Thunder Hill  
 Contract No C-268-W8S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 10-16-68 <i>W O Folbert</i> <small>DATE CHIEF ENGINEER</small>	CONTRACT NO. C-268W8S	LOCATION MAP OF WATER & SEWER MAIN EXTENSIONS	COLUMBIA VILLAGE OF OAKLAND MILLS ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 1 OF 8 SCALE AS SHOWN
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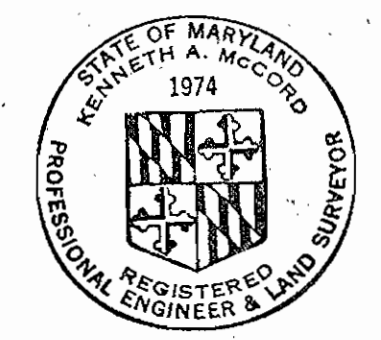
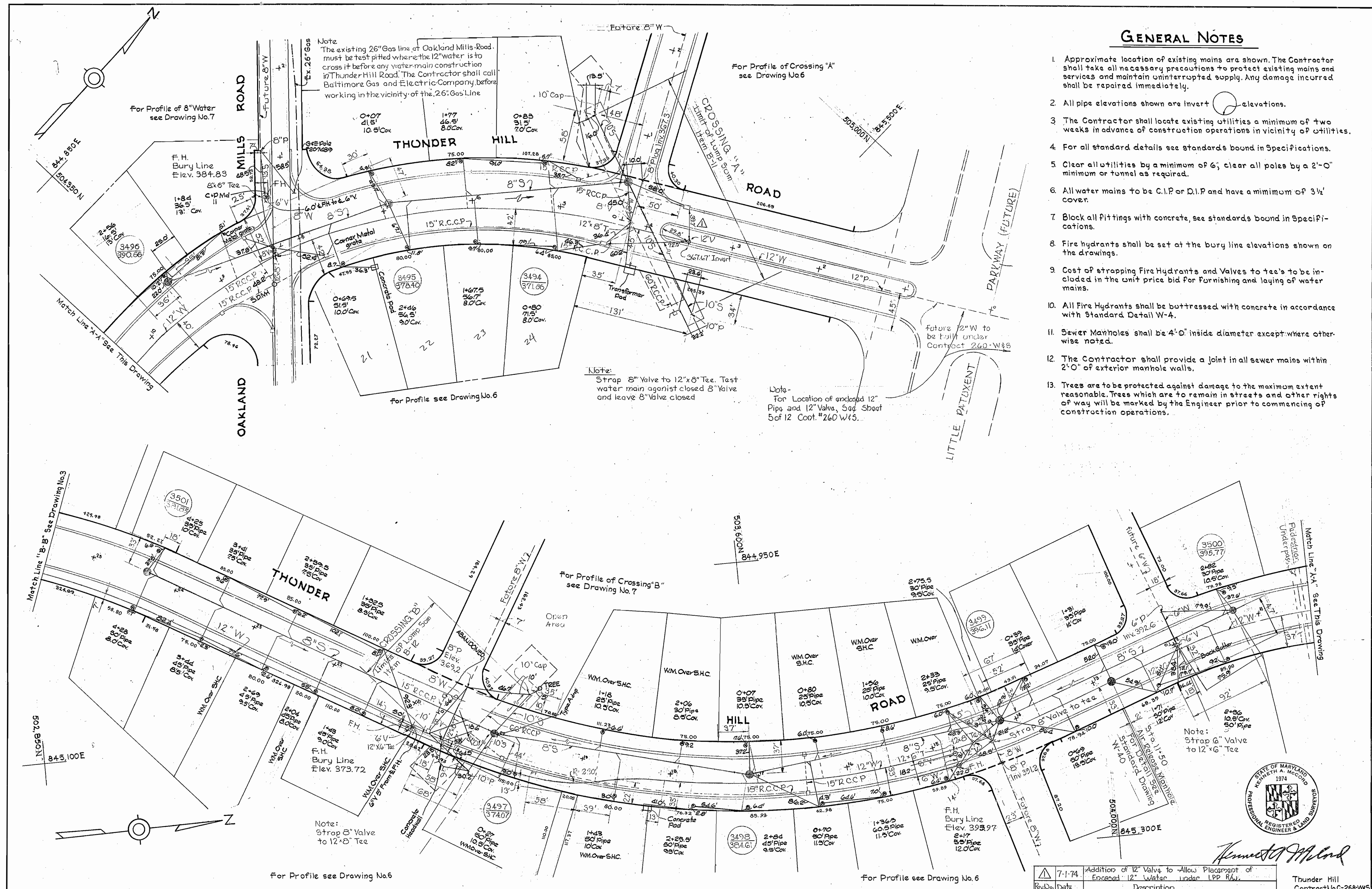
W. O. 6023-2

AS BUILT NOV. 12, 1969

WS 268-W8S/1

**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 required.
6. All water mains to be C.I.P or D.I.P and have a minimum of 3 1/2' cover.
7. Block all fittings with concrete, see standards bound in Specifications.
8. Fire hydrants shall be set at the bury line elevations shown on the drawings.
9. Cost of strapping Fire Hydrants and Valves to tee's to be included in the unit price bid for furnishing and laying of water mains.
10. All Fire Hydrants shall be buttressed with concrete in accordance with Standard Detail W-4.
11. Sewer Manholes shall be 4'-0" inside diameter except where otherwise noted.
12. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
13. Trees are to be protected against damage to the maximum extent reasonable. Trees which are to remain in streets and other rights of way will be marked by the Engineer prior to commencing of construction operations.

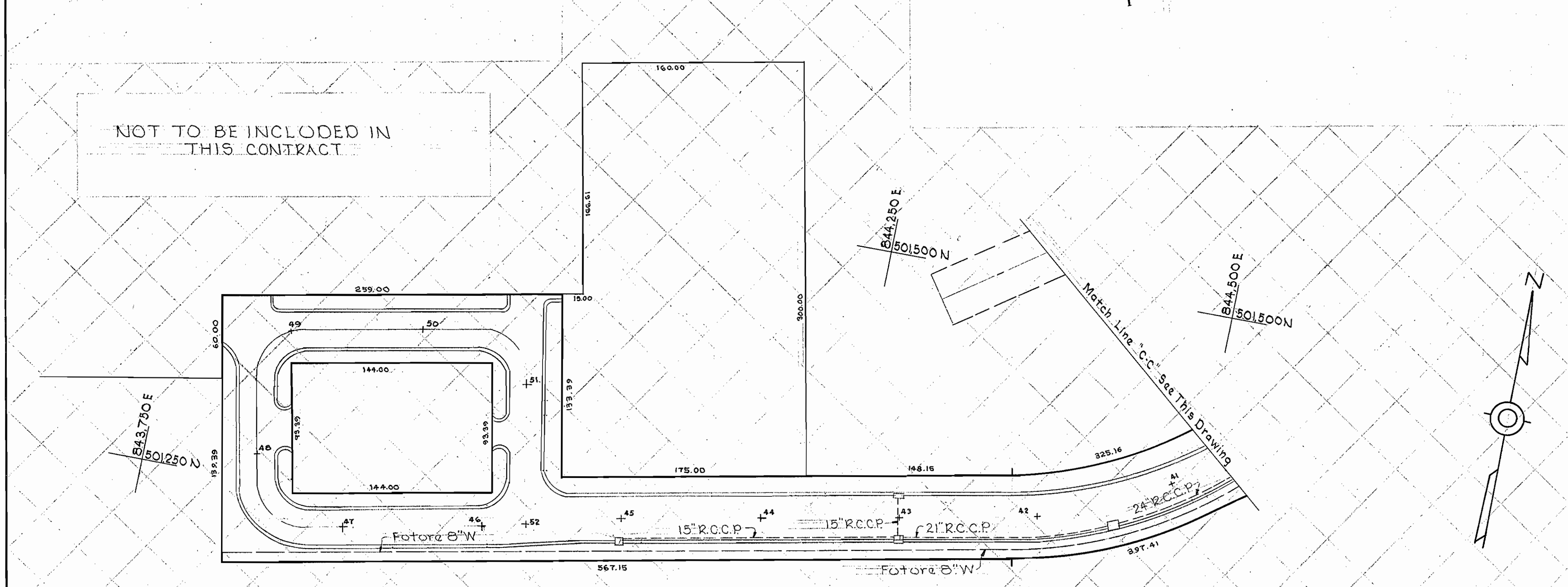
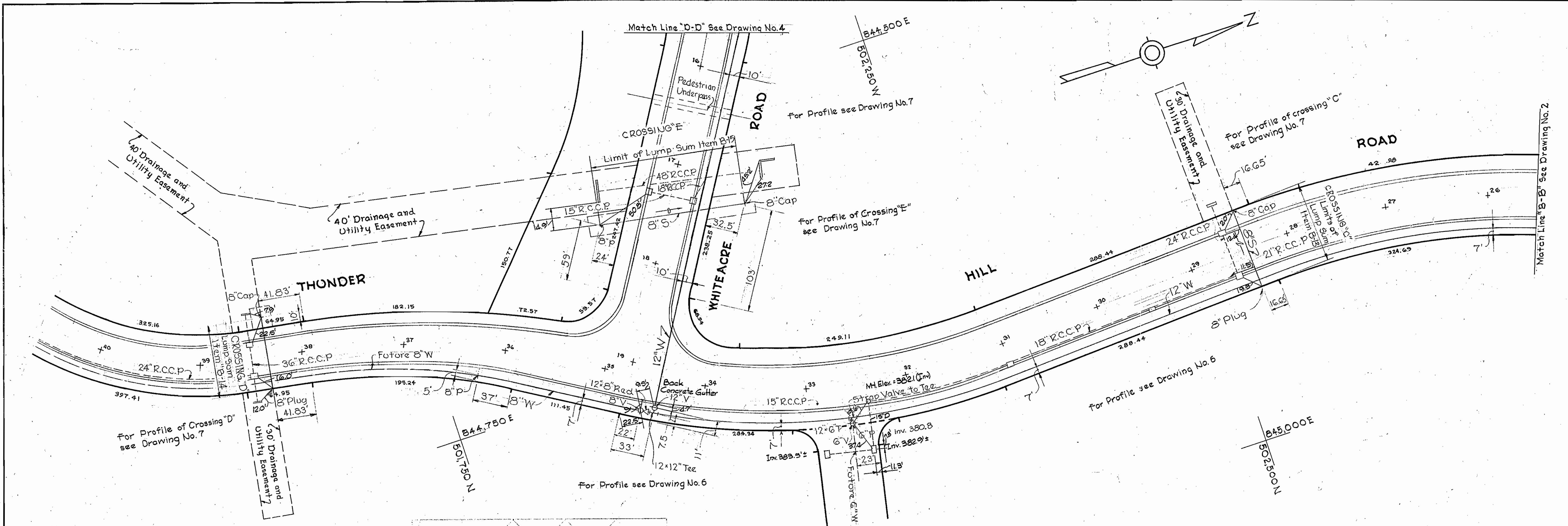


*Kenneth A. McCord*  
 REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR

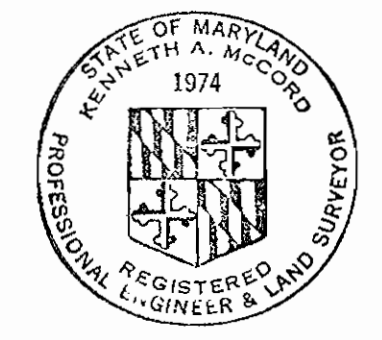
7-1-74	Addition of 12" Valve to Allow Placement of Enclosed 12" Water under LPP R/W.
Rev. No.	Date
	Description

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE: 10-16-69 W. O. Paulson CHIEF ENGINEER	CONTRACT NO. C-268-W8S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF OAKLAND MILLS ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 2 OF 8	SCALE 1"=50'
					THUNDER HILL CONTRACT NO. C-268-W8S	AS BUILT NOV. 12, 1969 F.B. #4254

WS 268-WS/2



NOT TO BE INCLUDED IN THIS CONTRACT



*Kenneth A. McCord*

Thunder Hill  
Contract No. C-268-W8S

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

HOWARD COUNTY METROPOLITAN COMMISSION  
DATE 10-16-68  
*W. O. Falout*  
CHIEF ENGINEER

CONTRACT NO. C-268-W8S

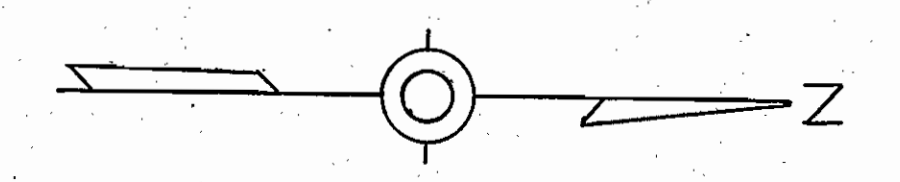
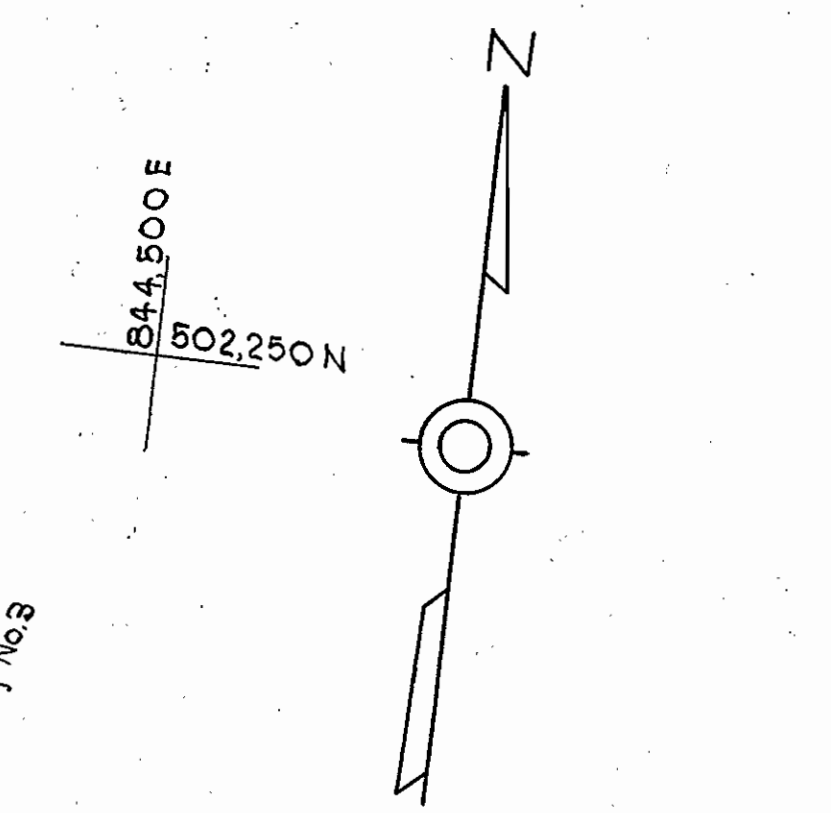
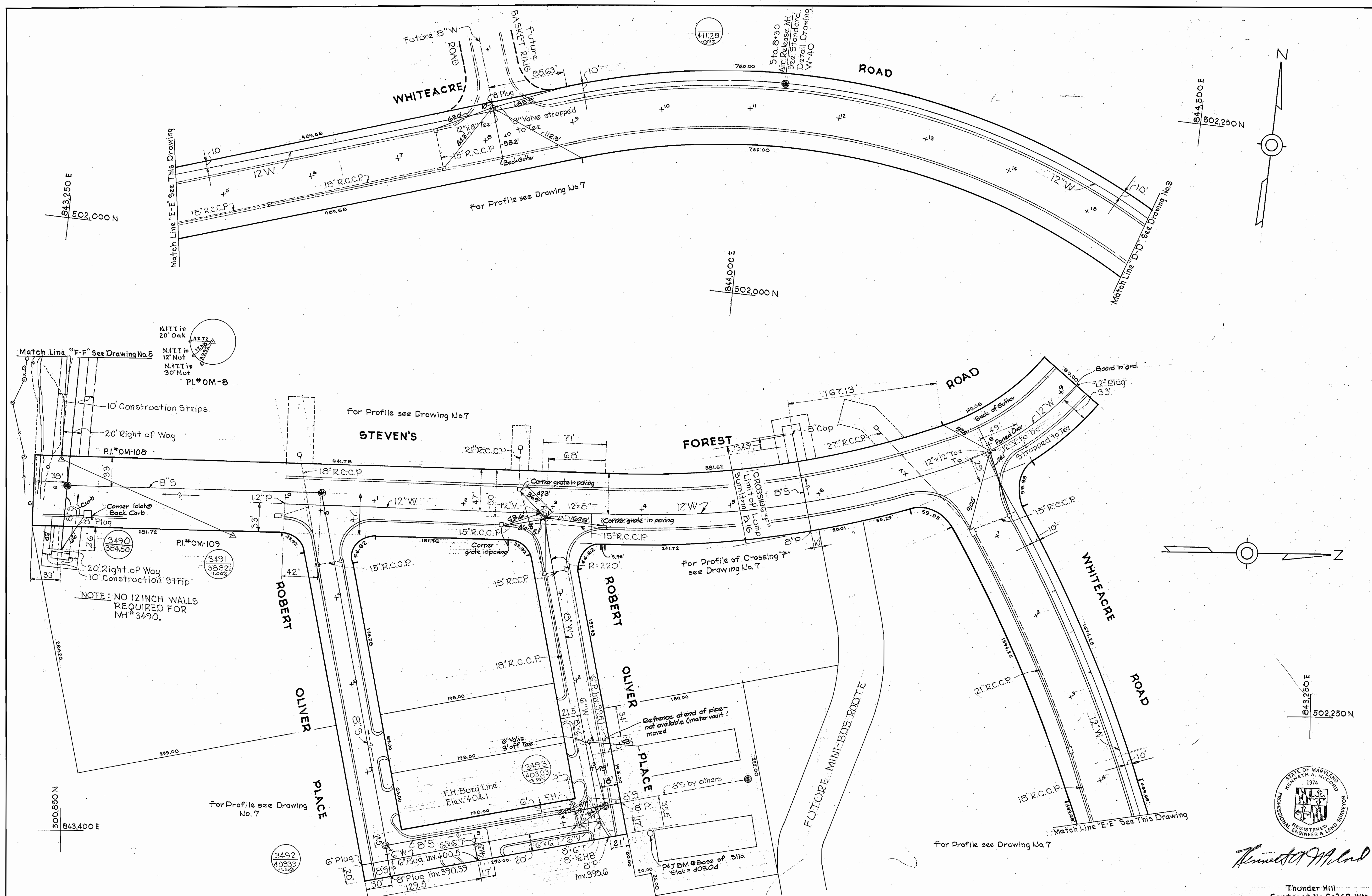
PLAN OF  
WATER & SEWER MAINS

COLUMBIA  
VILLAGE OF OAKLAND MILLS  
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 3 OF 8  
SCALE 1"=50'  
AS BUILT NOV. 12, 1969  
F.B.# 4254

WS 268-WS/3

WS 268-WS/4



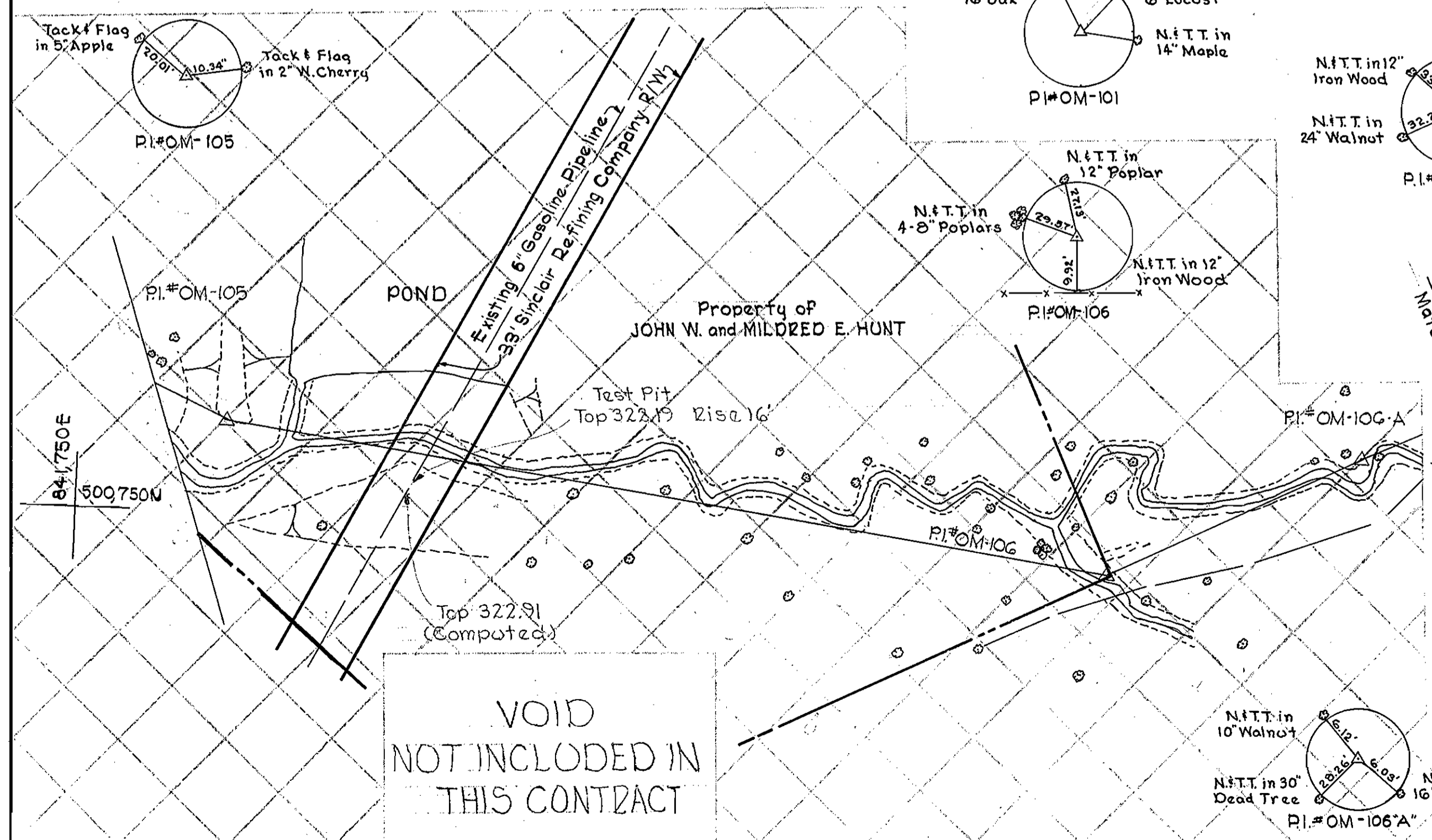
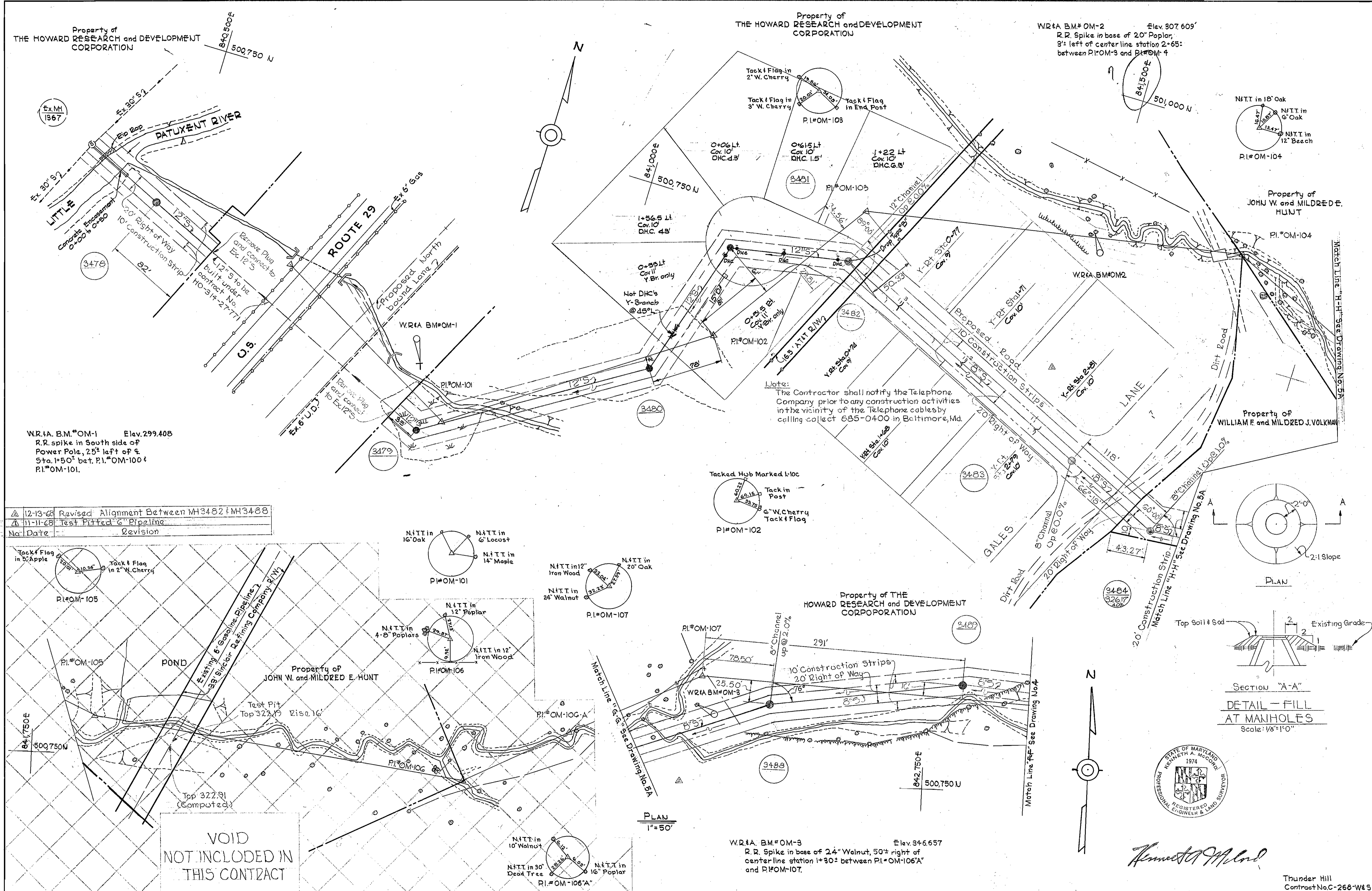
*Kenneth A. McCord*

Thunder Hill  
Contract No. C-268-WS

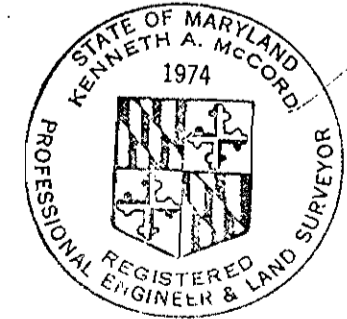
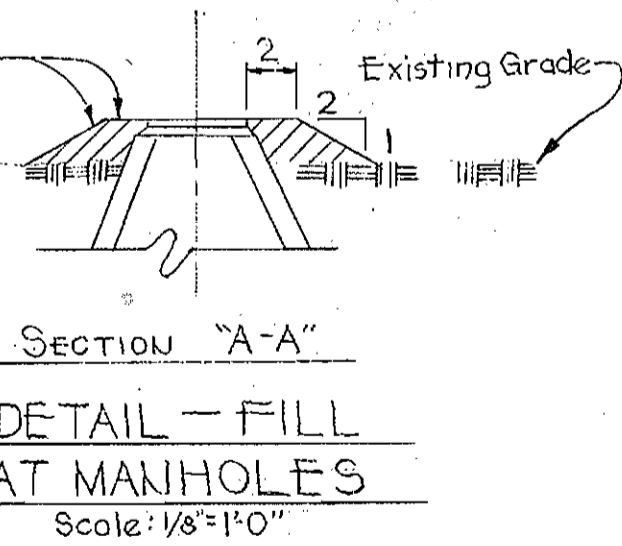
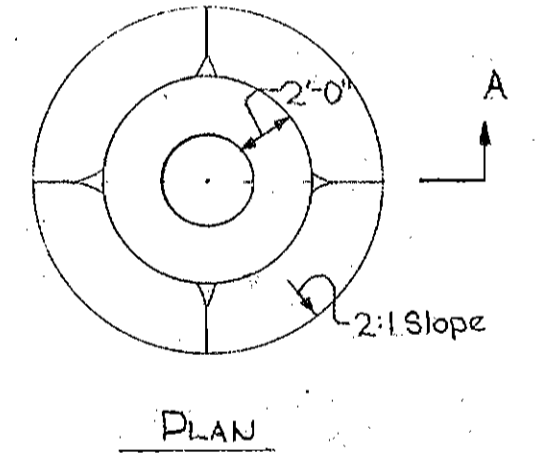
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE: 10-16-68 W. O. Fullert CHIEF ENGINEER	CONTRACT NO. C-268-WS	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF OAKLAND MILLS ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 4 OF 8 SCALE 1" = 50' <small>500-488 501-482 502-482 503-488</small>
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W. O. 6023-2

AS BUILT NOV. 12, 1969 FB-4254



VOID NOT INCLUDED IN THIS CONTRACT



*Kenneth A. McCord*

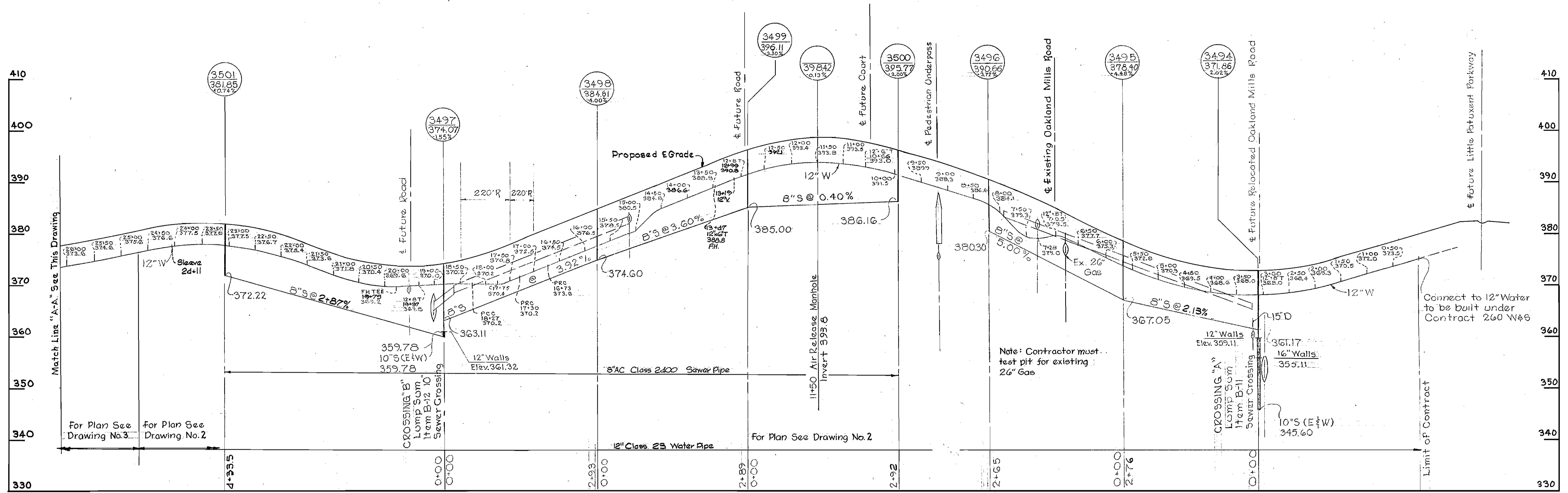
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 10-16-68 <i>W. O. Falout</i> DATE CHIEF ENGINEER	CONTRACT NO. C-268-W8S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF OAKLAND MILLS ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 5	SCALE AS SHOWN
					OF 8	500-481 500-482

W. O. 6023-2

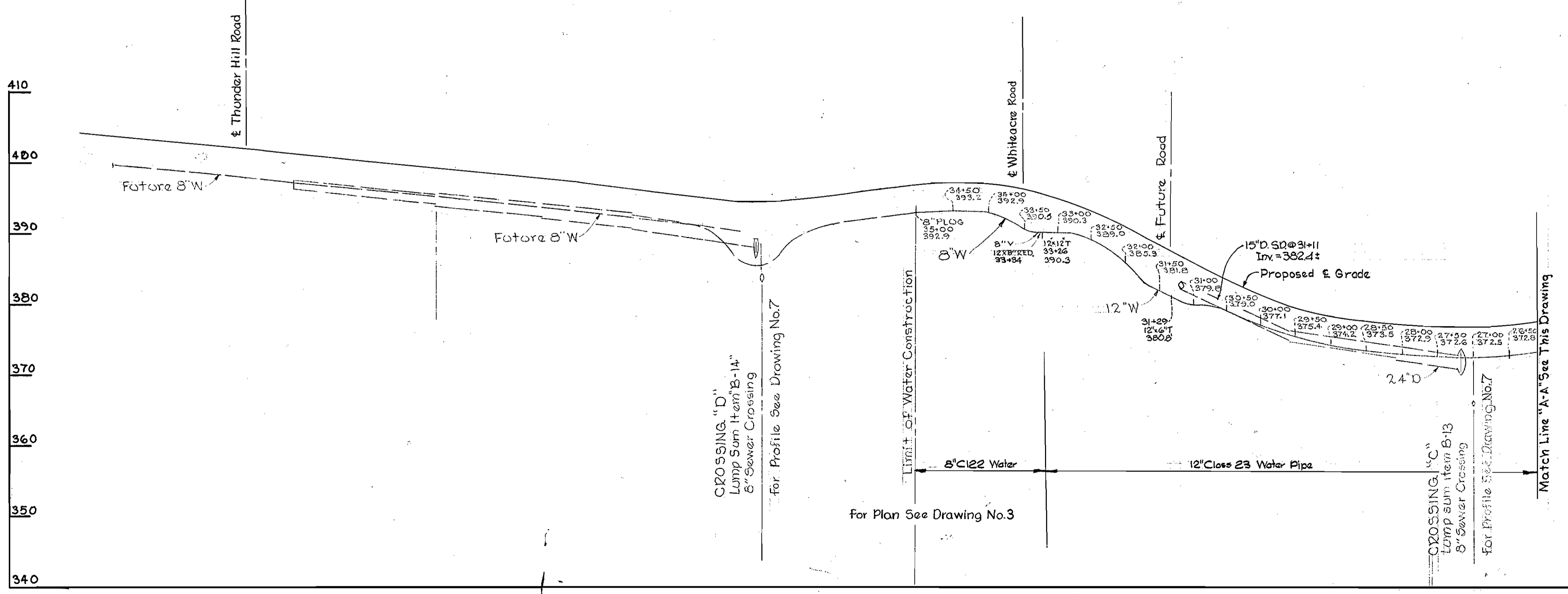
AS BUILT NOV. 12, 1969

WS 268-WS/5

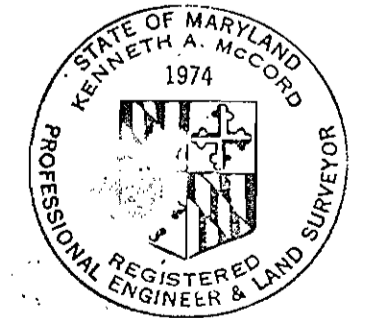
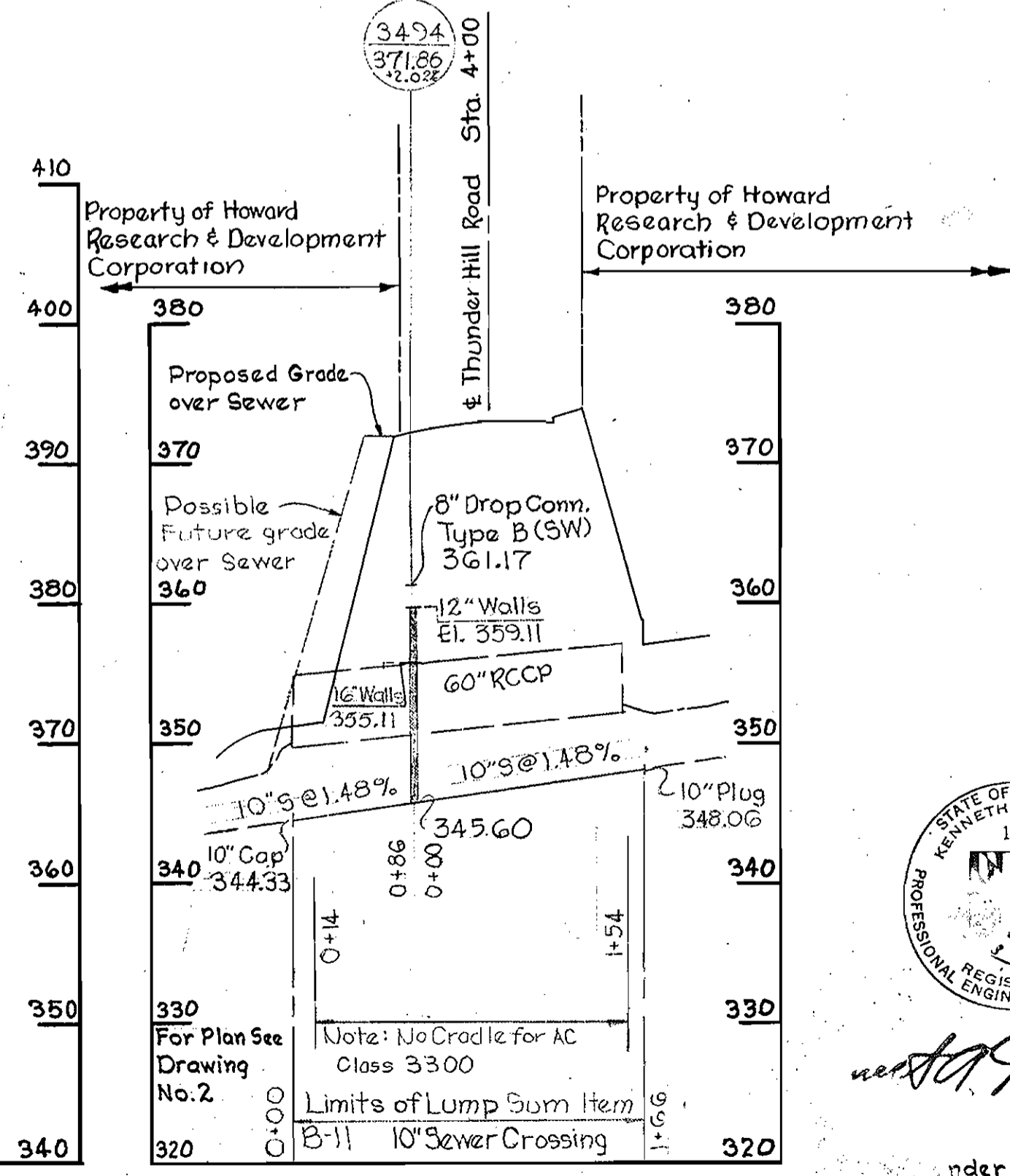
THUNDER HILL ROAD



THUNDER HILL ROAD



CROSSING "A"



*Kenneth A. Accardo*

Thunder Hill  
Contract No. C-268-W/S

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

HOWARD COUNTY METROPOLITAN COMMISSION  
DATE: 10-16-68  
W O Fallick  
CHIEF ENGINEER

CONTRACT NO. C-268-W/S

PROFILES OF  
WATER & SEWER MAINS

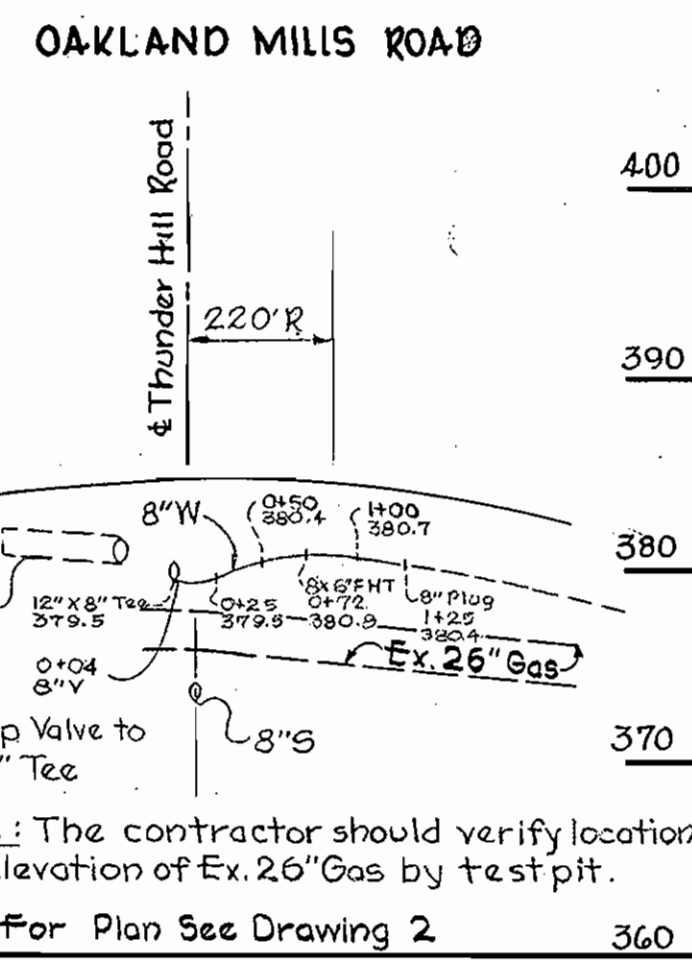
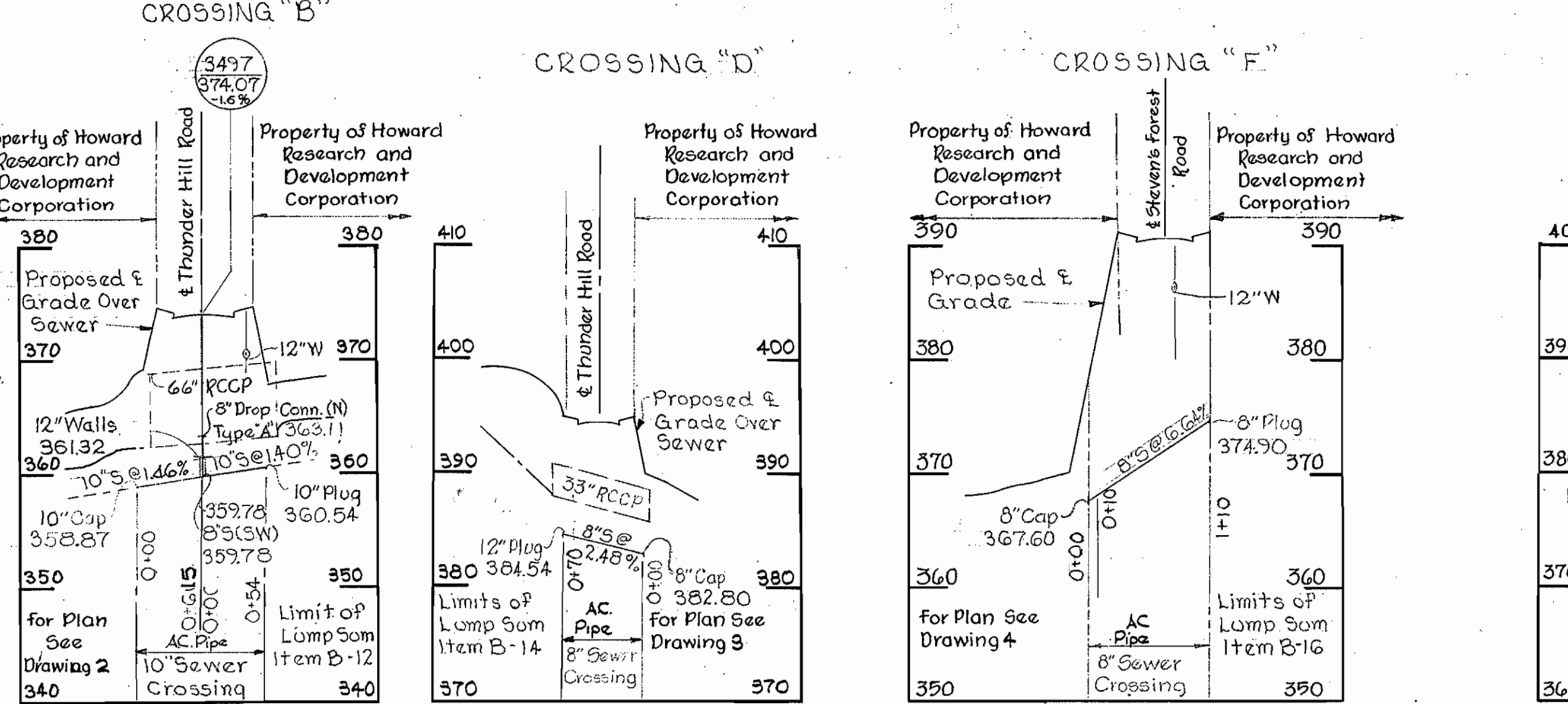
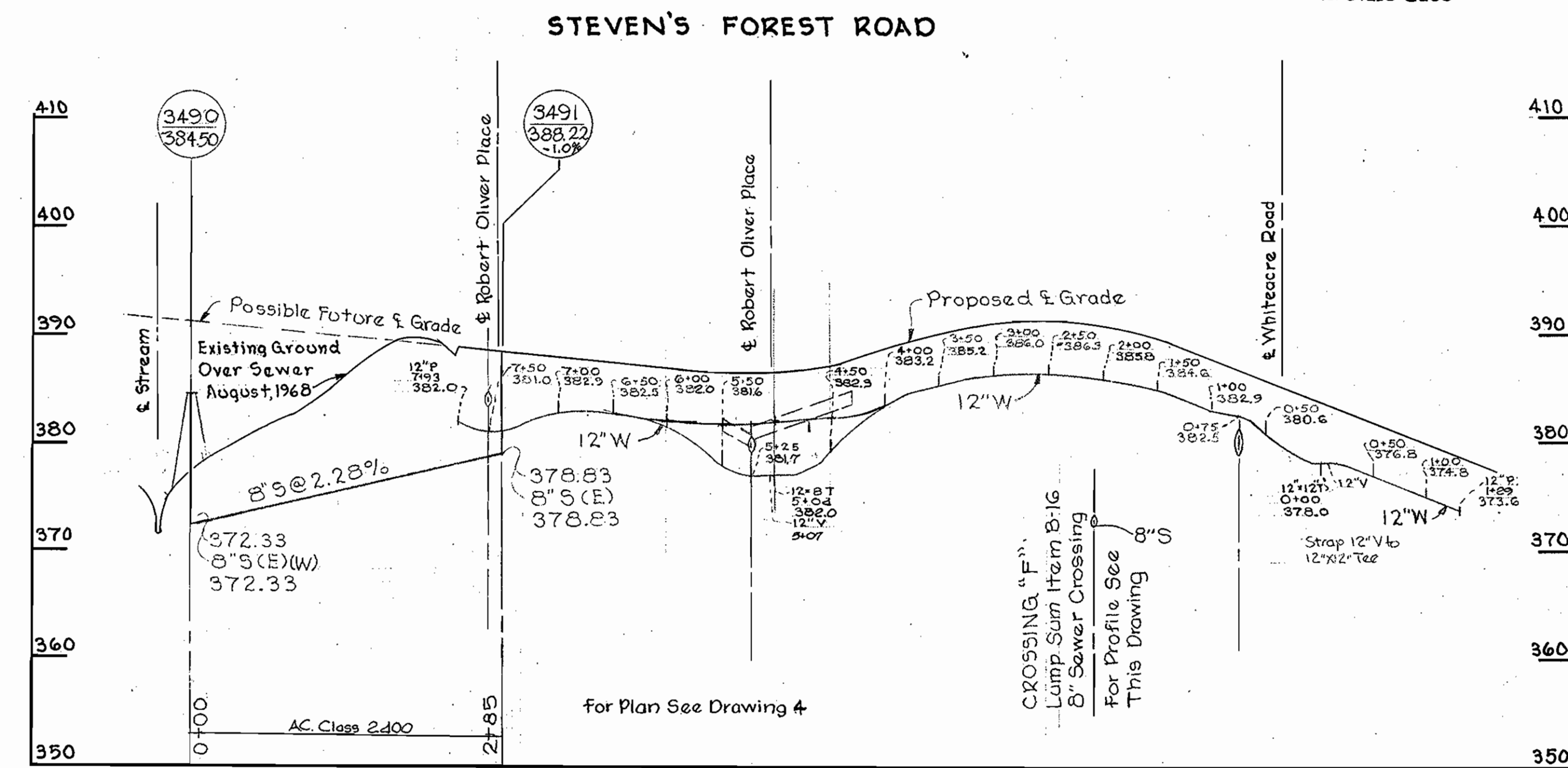
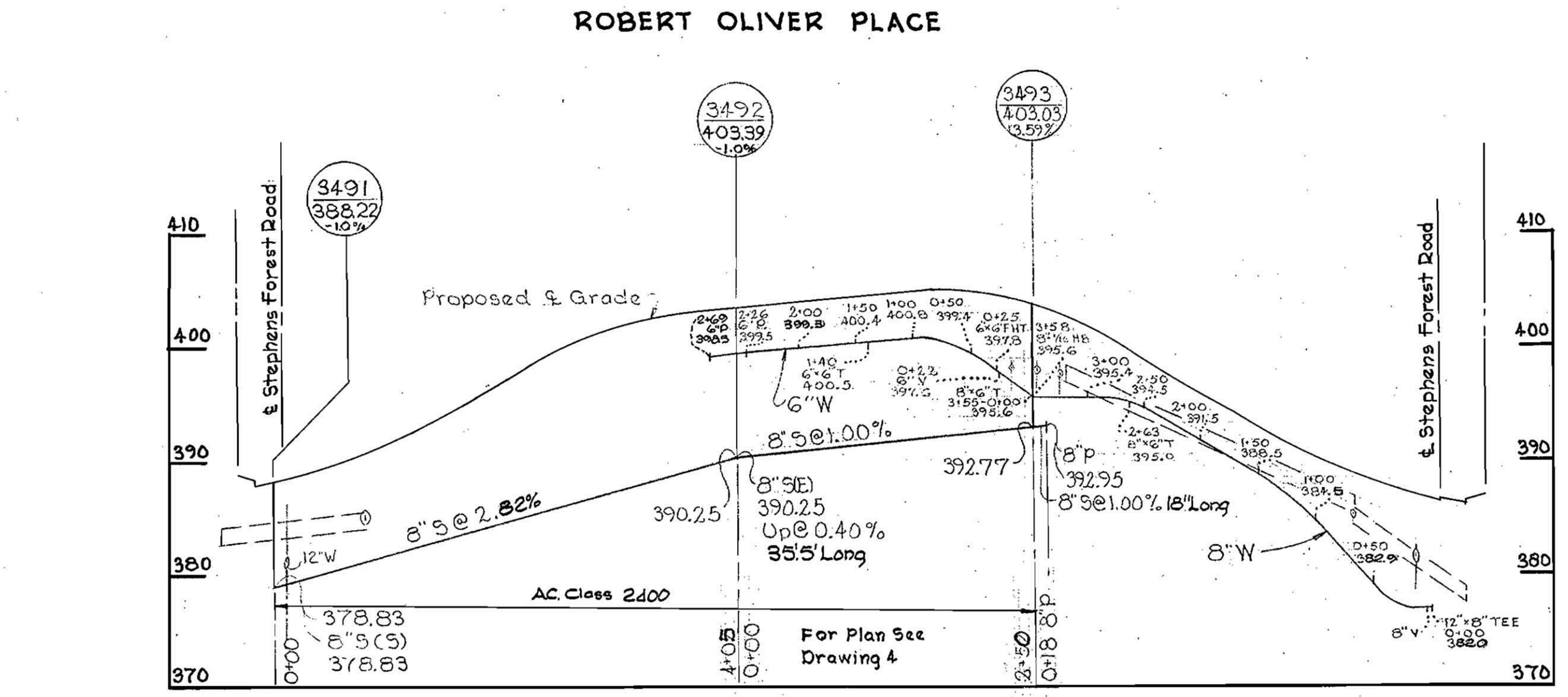
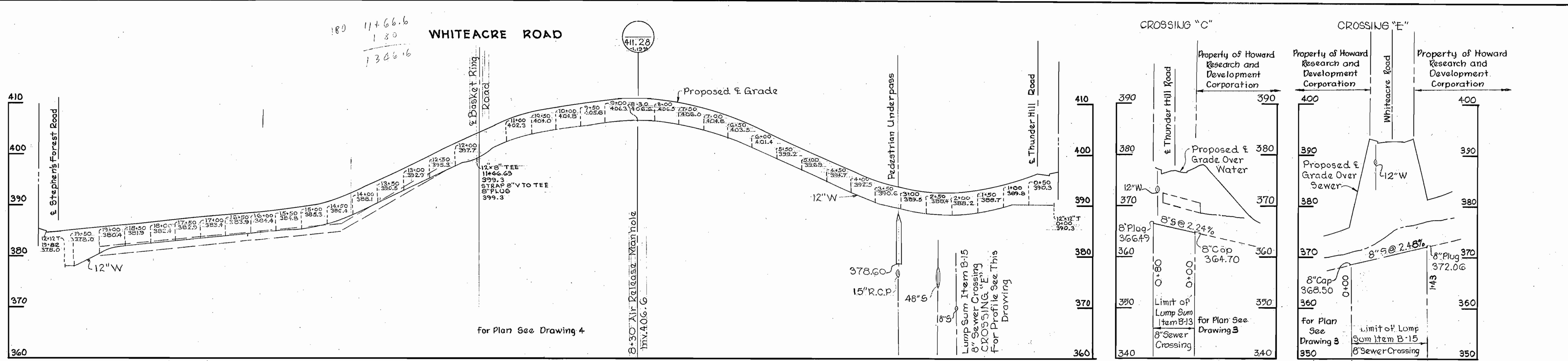
COLUMBIA  
VILLAGE OF OALAND MILLS  
ELECTION DISTRICT GUILFORD NO. 6

DRAWING  
NO. 6  
OF 8

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

AS BUILT NOV 12, 1969

WS  
268-WS/6



Note:  
Payment for furnishing and placing the Class "C" concrete for low cradle shall be included in the unit price bid for furnishing and laying sewer pipe.

Note:  
Brick manholes shall have 12" walls as called for on the profiles.

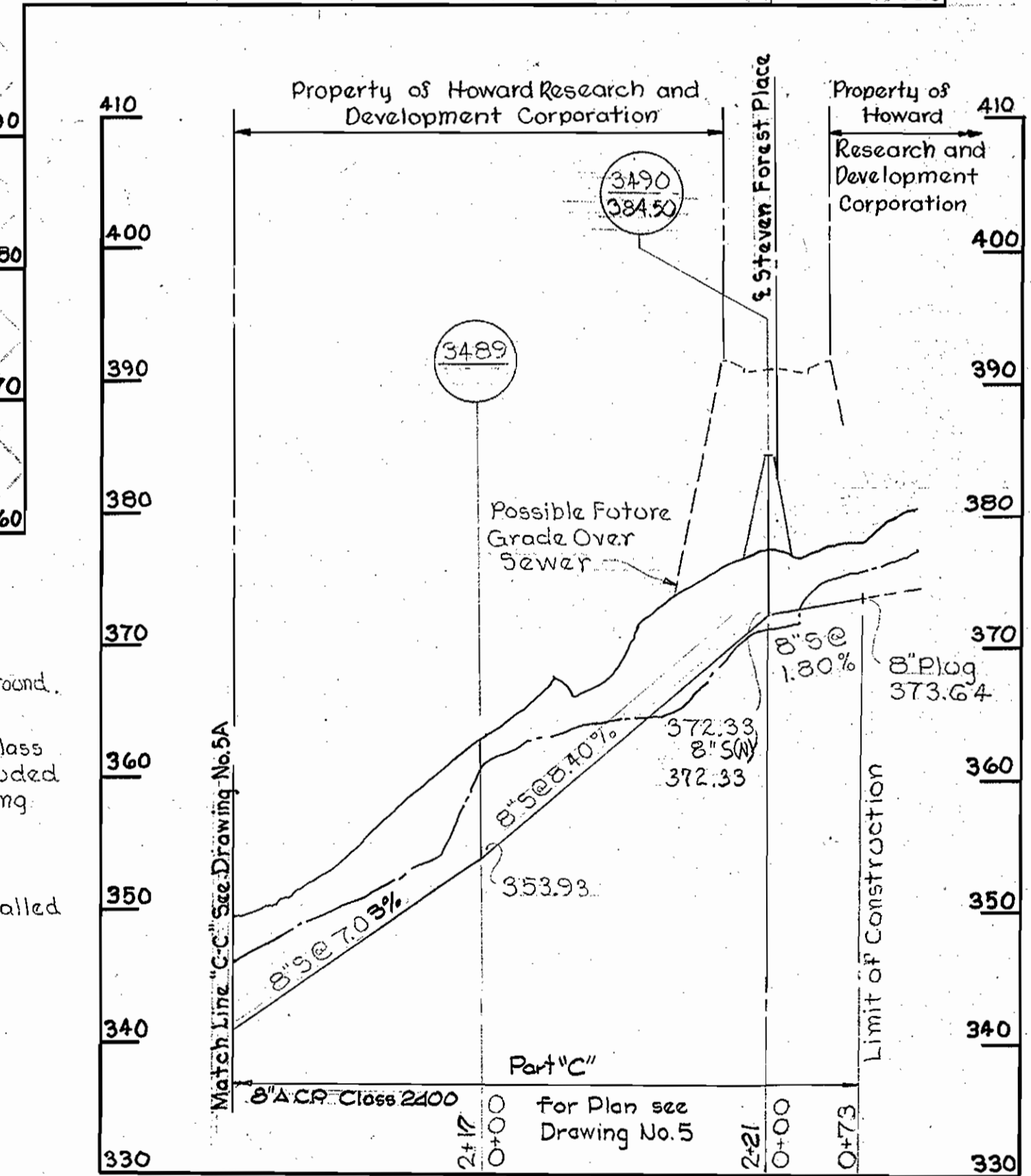
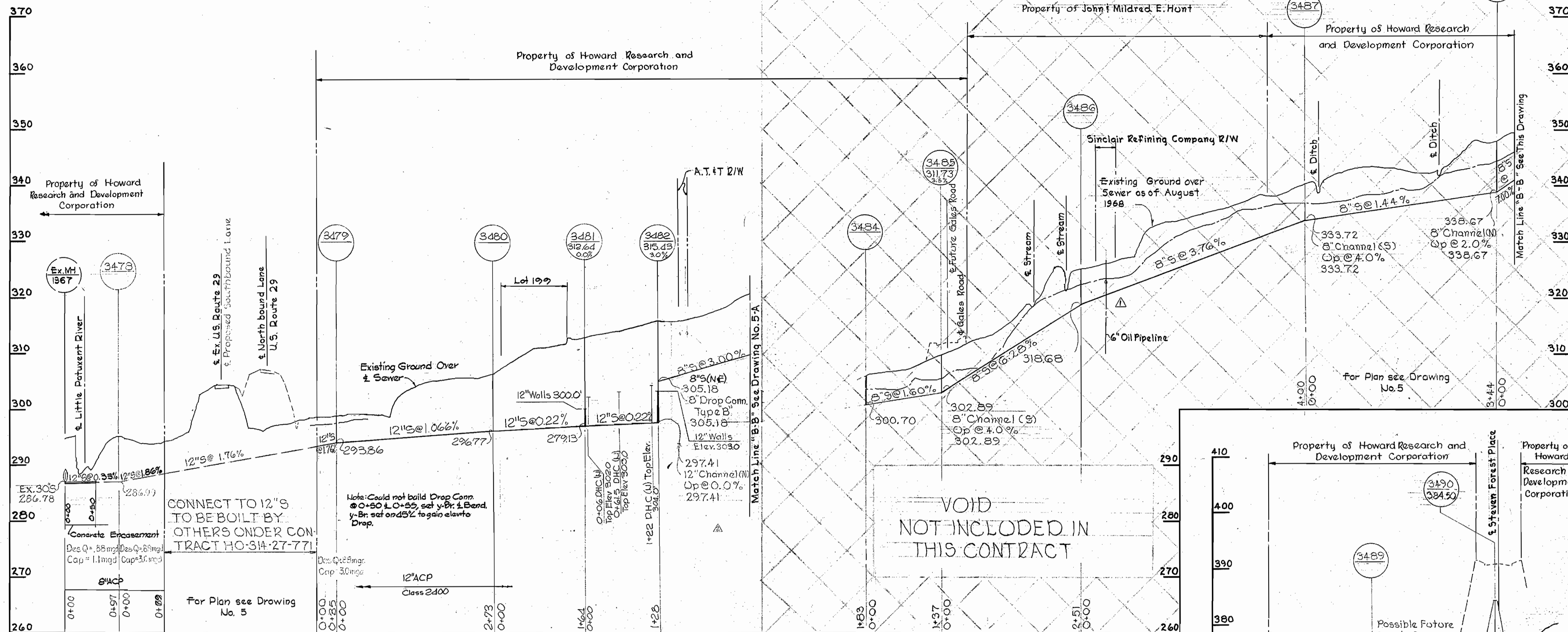


*Kenneth A. McLeod*

Thunder Hill  
Contract No. 268-W15

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE 10-16-68 <i>W O Fallert</i> CHIEF ENGINEER	CONTRACT NO. C-268-W8S	PROFILES OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF OAKLAND MILLS ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 7 OF 8 SCALE H-1"=100' V-1"=10' AS BUILT NOV. 12, 1969
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268-W8/7  
WS



- Note:**  
Build Manhole 3479 1'-6" above existing ground.
- Note:**  
Payment for furnishing and placing the Class "C" concrete for low cradle shall be included in the unit price for furnishing and laying sewer pipe.
- Note:**  
Brick manholes shall have 12" Walls as called for on the profiles.



*Kenneth A. McLeod*

12-13-68	Revised Alignment Between MH 3482 & MH 3488
11-11-68	Lowered MH 3486 & Test Pitted 6" Piping
No. Date	Revision

Thunder Hill  
Contract No. C-268-W&S

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

HOWARD COUNTY METROPOLITAN COMMISSION  
DATE 10-16-68  
CHIEF ENGINEER *W. O. Fallick*

CONTRACT NO. C-268-W&S

PROFILES OF  
WATER & SEWER MAINS

COLUMBIA  
VILLAGE OF OAKLAND MILLS  
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 8 OF 8  
SCALE H: 1"=100' V: 1"=10'

AS BUILT NOV. 12, 1969

WS 268-WS/8