

**CONTRACT C-2598 D-W&S**  
**VILLAGE OF OWEN BROWN**  
**HOWARD COUNTY, MARYLAND**  
**DEPARTMENT OF PUBLIC WORKS**

QUANTITIES	
ITEM	QUANTITY
8" Sewer	1300 LF
8" Water	2790 LF
6" Water	2075 LF
Fire Hydrants	9



*Kenneth A. McCord*

Village of Owen Brown  
 Part 2 of 3  
 Section 4, Area 1  
 Contract No. C-2598 D-W16

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 6-4-74 DATE <i>W. O. Gilbert</i> CHIEF - BUREAU OF ENGINEERING	CONTRACT NO. <b>C-2598 D-W&amp;S</b>	LOCATION MAP OF <b>WATER &amp; SEWER MAIN EXTENSIONS</b>	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD No. 6	DRAWING NO. <b>1</b> OF <b>6</b>	SCALE <b>1"=800'</b>
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W. O. C857-2

MAY 20, 1974

As Built 12-16-74

WS 598-W&S/1

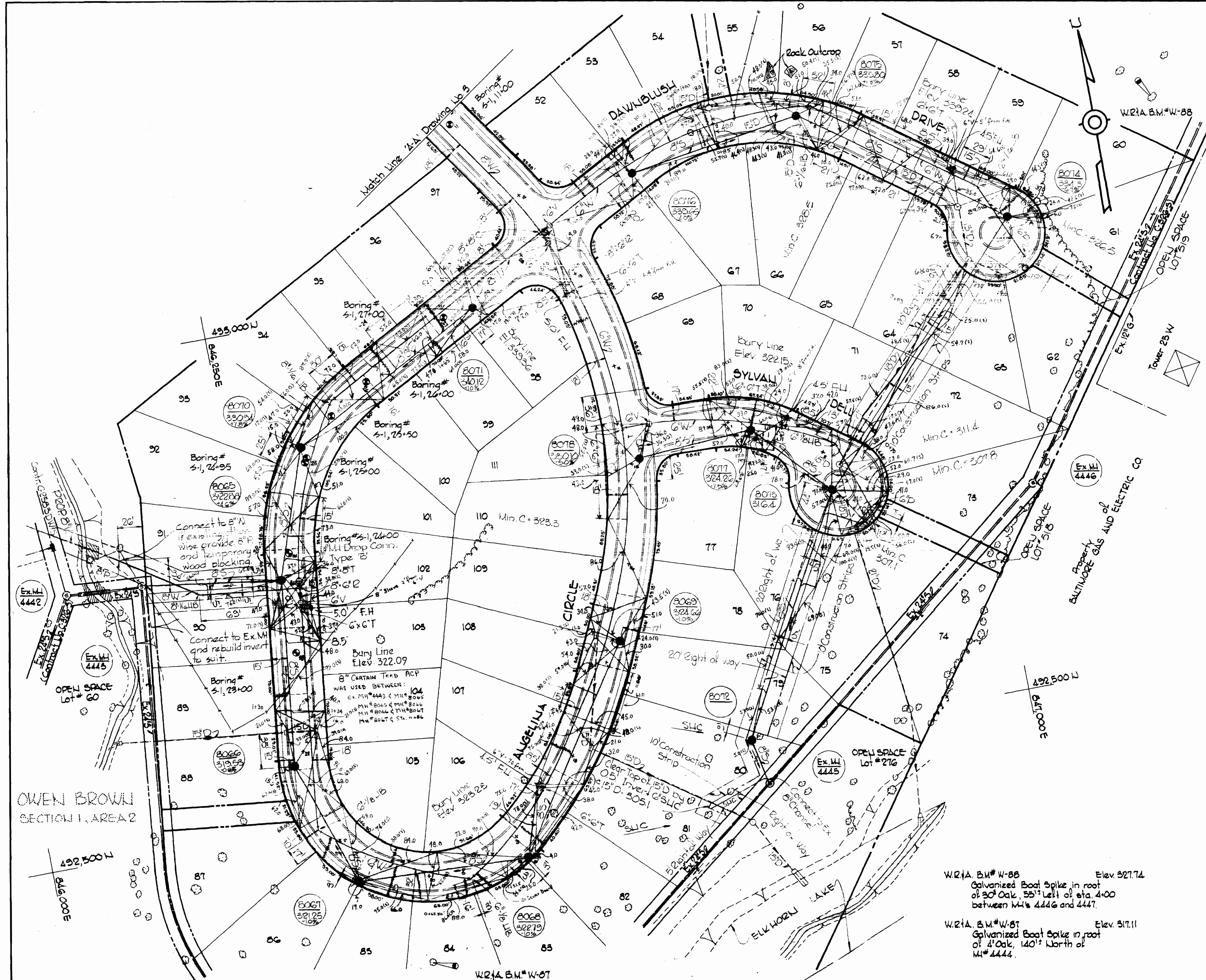
DRAWING 44-516 14774



**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  $\odot$  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 Specification.
5. All horizontal and vertical controls are based on Maryland State Datum.
6. Clear all utilities by a minimum of 6', clear all poles by a minimum of 2'-0" or tunnel as required.
7. Ground over & water and/or sewer was taken from contour maps based on aerial photography except where labeled 'existing and dated'.
8. All manholes to be 4'-0" inside diameter.
9. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
10. All water mains to have a minimum of 3 1/2' cover.
11. Block all fittings with concrete, see standards bound in Specifications.
12. Bury Line elevations on fire hydrants shall be set to elevations shown on drawings.
13. All fire hydrants shall be strapped and buttressed in accordance with standard details.
14. Cost of strapping fire hydrants and valves to be included in unit price bid for furnishing and laying of water mains.
15. All W.H.C. shall be 3/4" dia. unless otherwise noted.

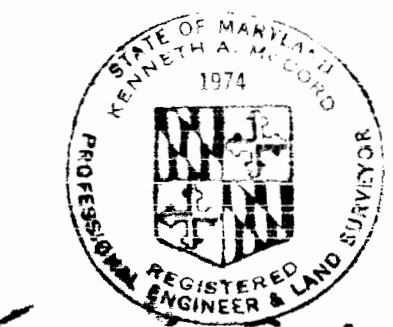
NOTE:  
 Auger Borings were made by the American Testing and Engineering Company for Howard Research and Development Corporation in February, 1974. Bottom of boring is shown L. Refusal (if encountered) is shown in Complete logs are available at the Howard County, Department of Public Works.



492,500 N  
 846,000 E

W.R.I.A. B.M.# W-88 Elev. 327.74  
 Galvanized Boat Spike in root of 30' Oak, 55' East of sta. 4+00 between M# 4446 and 4447.

W.R.I.A. B.M.# W-87 Elev. 317.11  
 Galvanized Boat Spike in root of 2' Oak, 140' North of M# 4444.

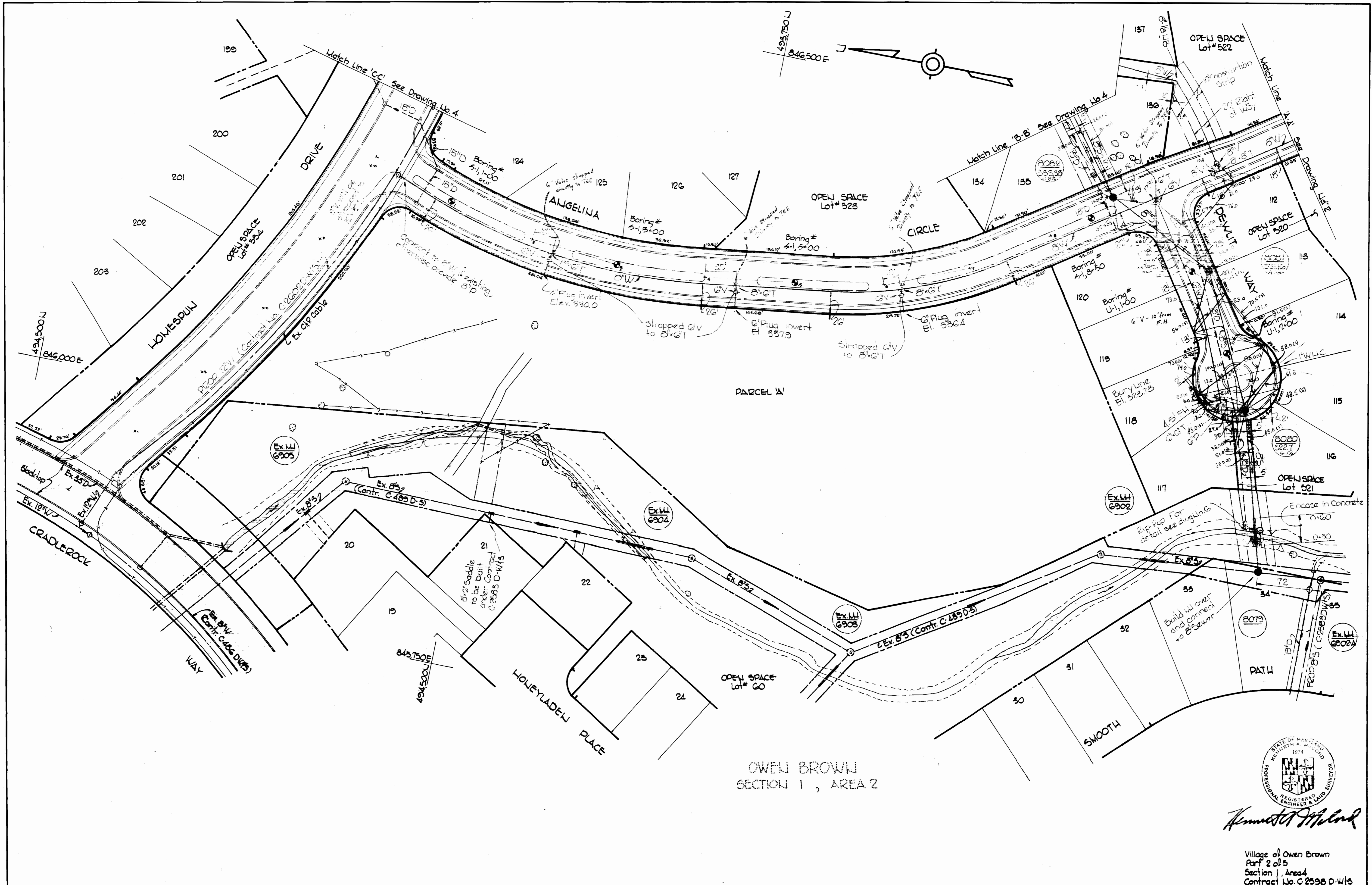


*Herbert M. ...*

Village of Owen Brown  
 Section 1, Area 4  
 Part 2 of 5  
 Contract No. C-2598 D-W/5

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 6-4-74 DATE W.O. ... CHIEF-BUREAU OF ENGINEERING	CONTRACT NO. C-2598 D-W/5	PLAN OF WATER AND SEWER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 2 OF 6 SCALE 1" = 50' 492-465 492-464 19-2, 18-2 18-P
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*Kenneth A. Mould*

Village of Owen Brown  
 Part 2 of 5  
 Section 1, Area 2  
 Contract No. C-2598 D-W/S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE <u>6-4-74</u> <i>W. O. Gilbert</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. <u>C-2598DW/S</u>	PLAN OF WATER AND SEWER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. <u>3</u> OF <u>6</u>	SCALE <u>1" = 50'</u>	17-P 17-Q 18-P 18-Q
					W. O. 6857-2		

WS 598 · WES/3

UNING 44-510 18392





PIGEONWING PLACE NOT INCLUDED  
 IN THIS CONTRACT.  
 See Contract No. C-2602DW#5



*Kenneth A. Melrod*  
 PROFESSIONAL ENGINEER

Village of Owen Brown  
 Part 2 of 5  
 Section 1 Area 4  
 Contract No. C-2598DW

DRAWING NO. 4 OF 6	SCALE 1" = 50'
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COLUMBIA  
 VILLAGE OF OWEN BROWN  
 ELECTION DISTRICT GUILFORD NO. 6

MAY 20, 1974  
 As Built 12-14-74

PLAN OF  
 WATER AND SEWER MAINS

CONTRACT NO. C-2598DW#5

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*W. O. Pritchard*  
 CHIEF-BUREAU OF ENGINEERING

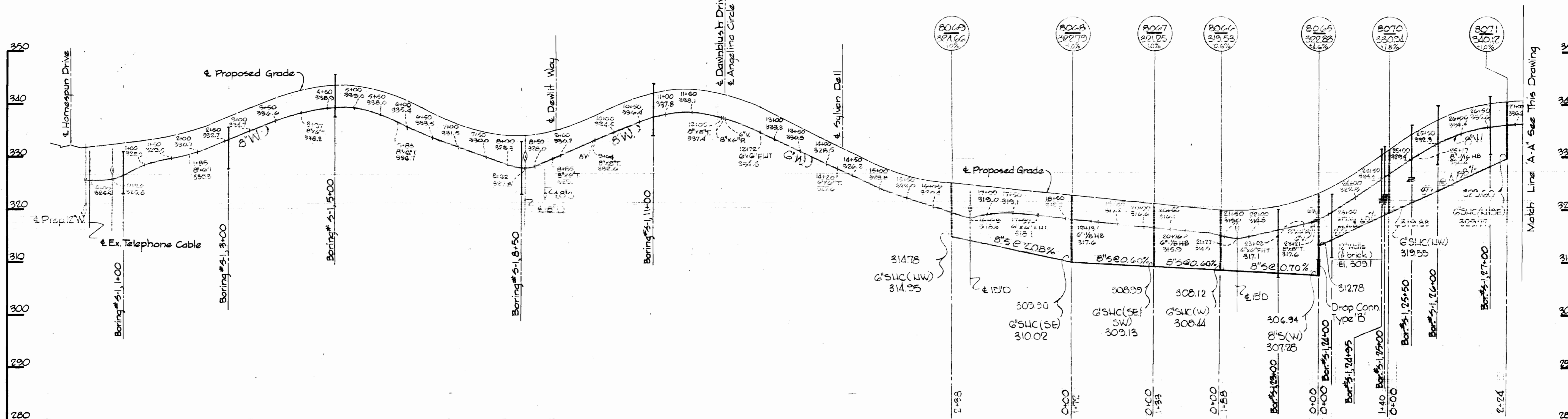
6-4-74  
 DATE

WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS

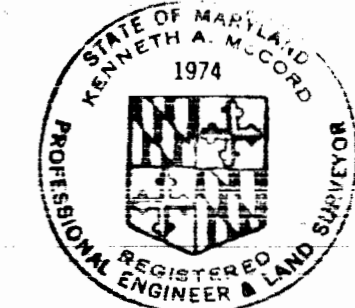
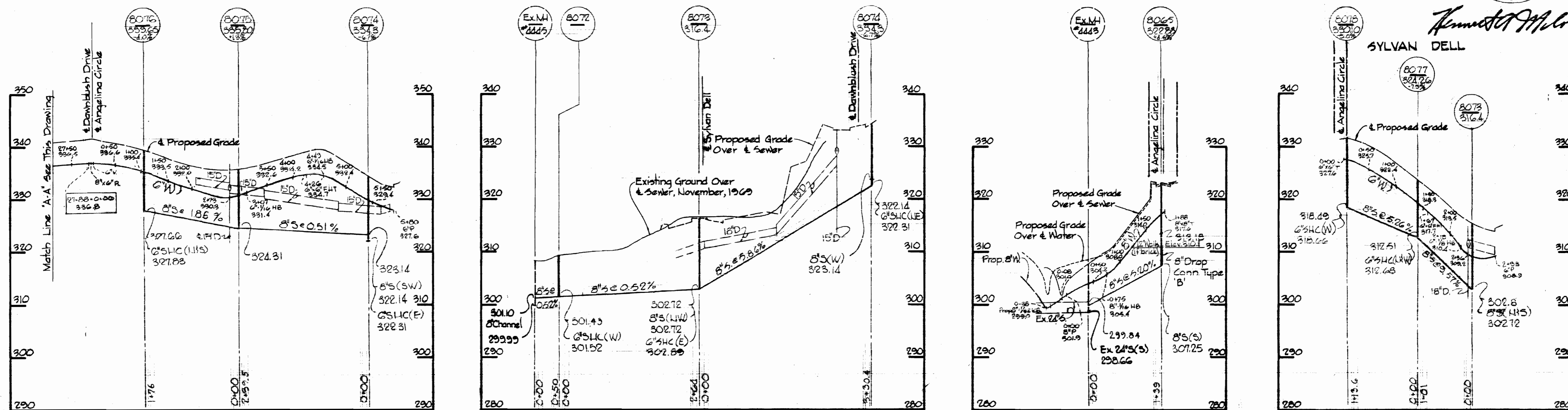


ANGELINA

CIRCLE



DAWNBLUSH DRIVE



*Kenneth A. Wood*

SYLVAN DELL

Village of Owen Brown  
Part 2 of 5  
Section 4, Area  
Contract No. C-2558 D-W/5

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

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
6.4.74  
DATE

CONTRACT NO. C-2558 D-W/5

PROFILES OF  
WATER AND SEWER MAINS

COLUMBIA  
VILLAGE OF OWEN BROWN  
ELECTION DISTRICT GUILFORD NO. 6

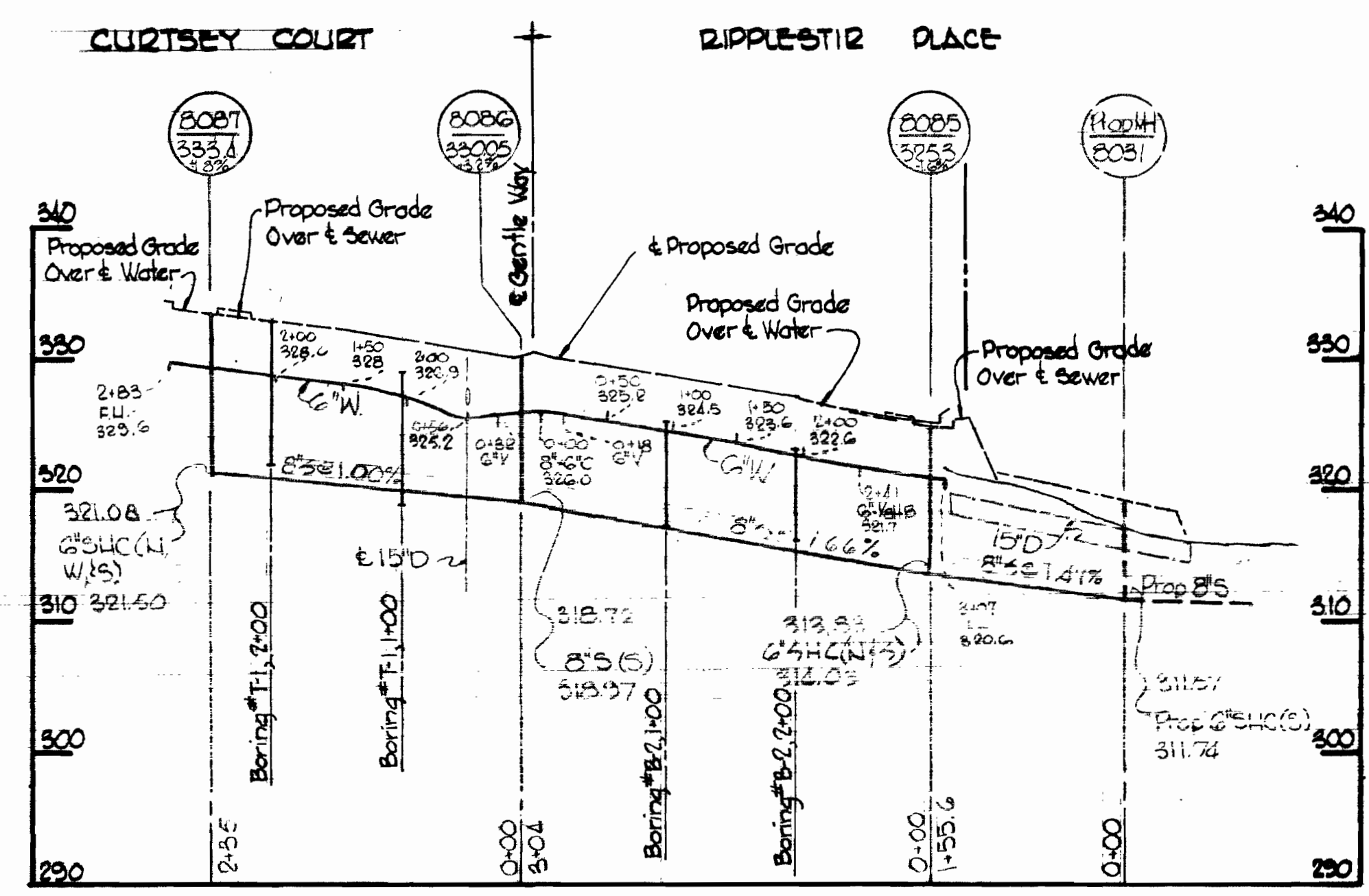
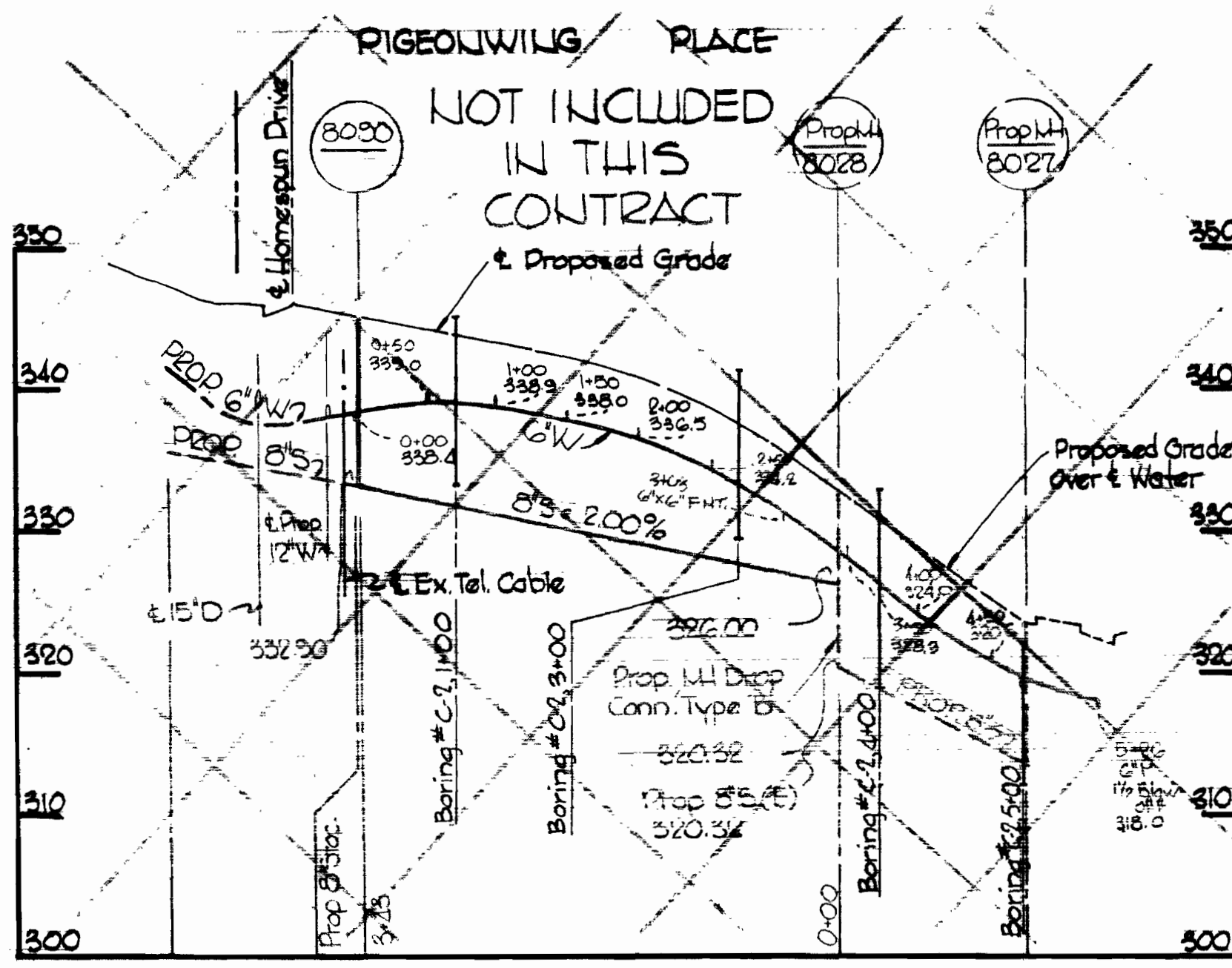
DRAWING  
NO. 5  
OF 6

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

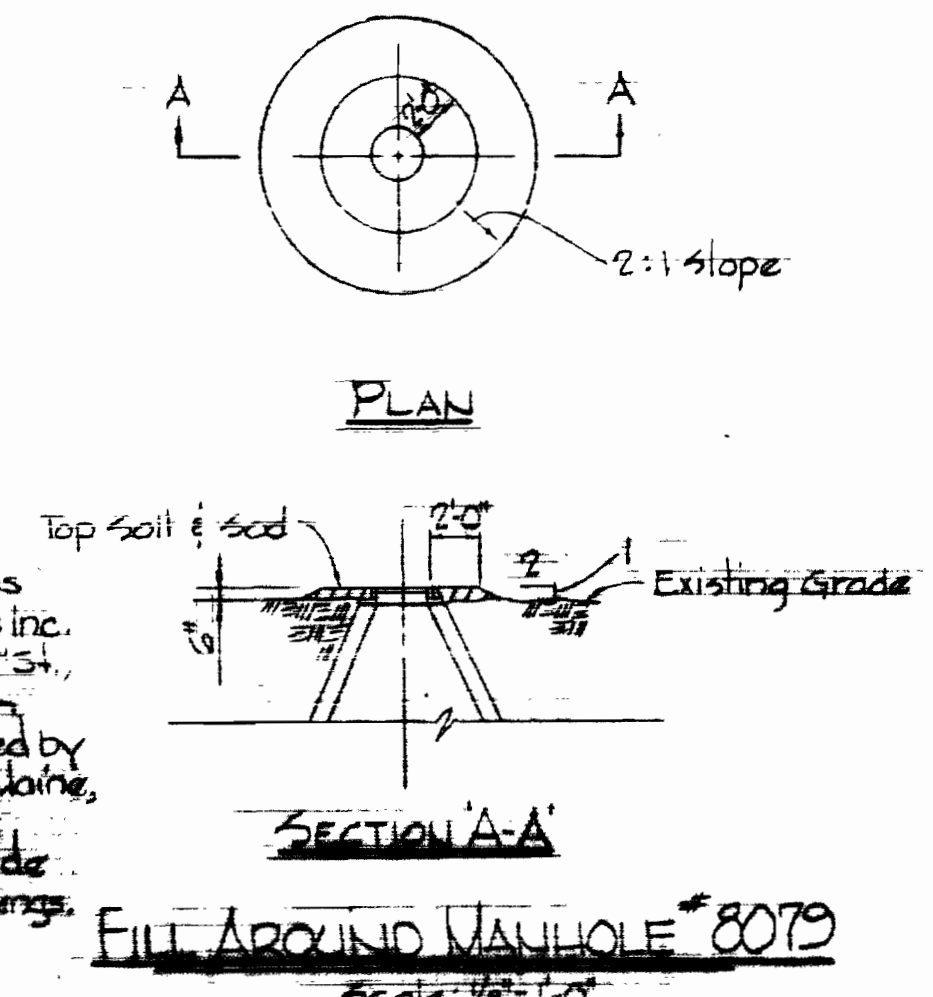
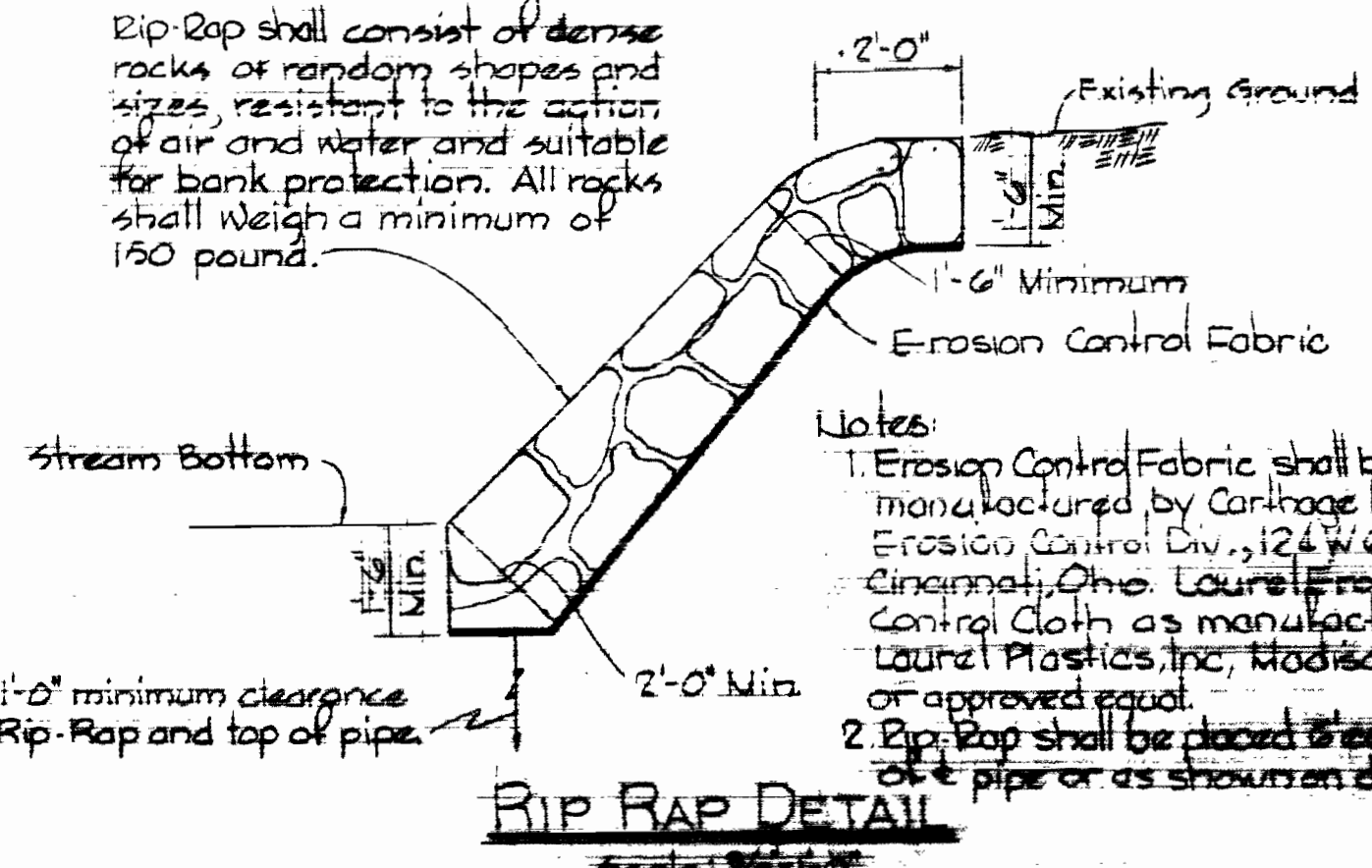
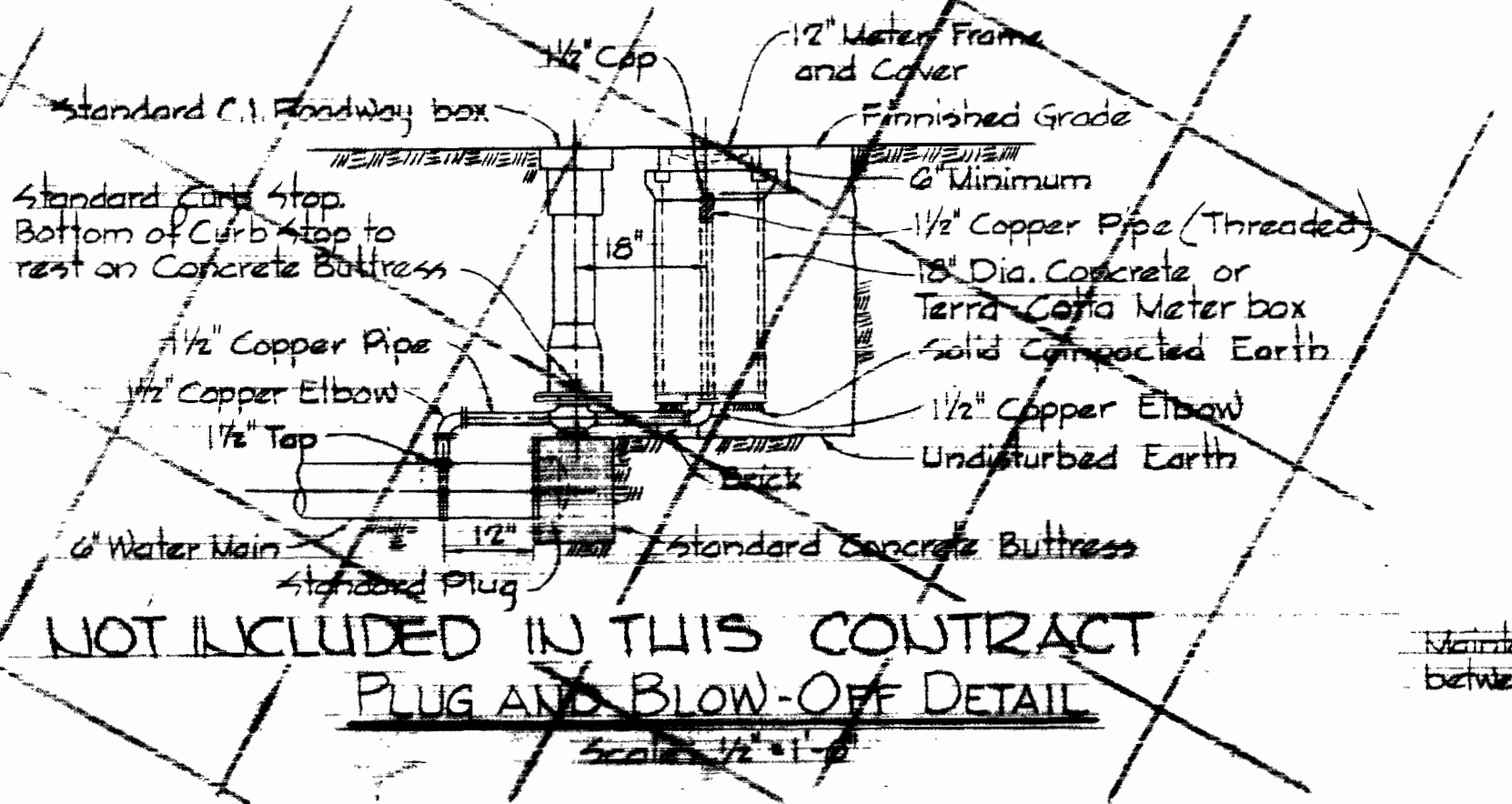
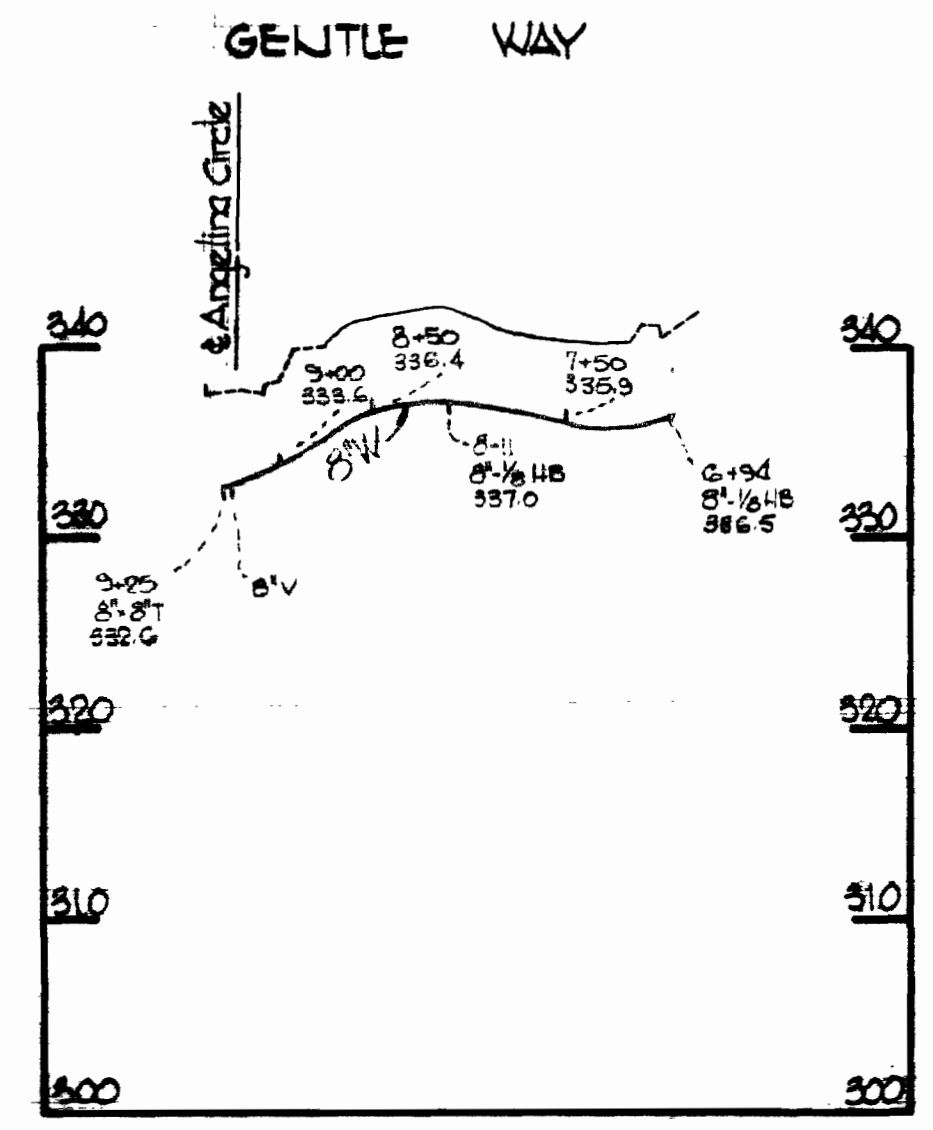
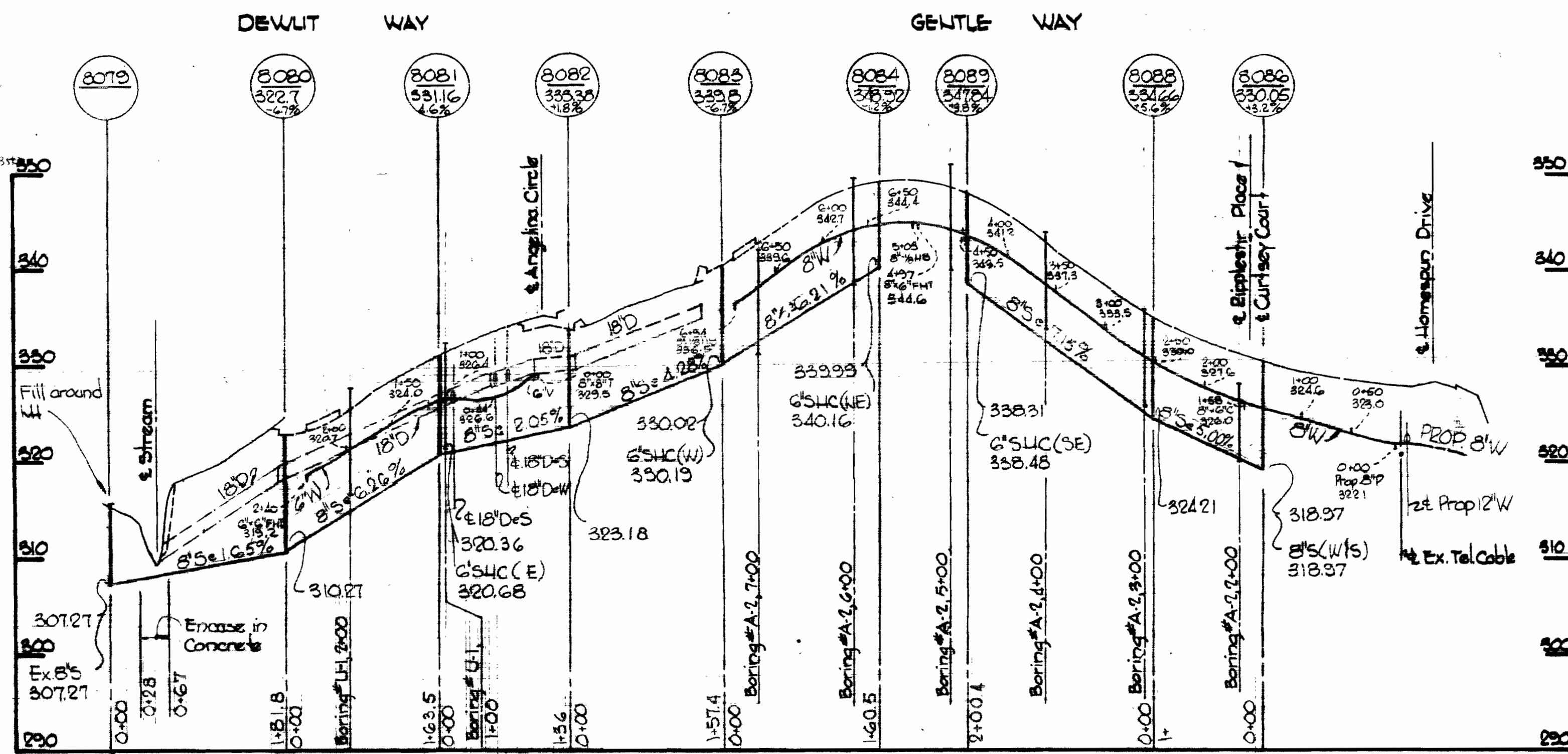
WS 598-W&S/5

SPRING 44-510 10332





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



*Anniston M. Wood*

Village of Owen Brown  
 Part 2 of 5  
 Section 4, Area  
 Contract No. C-2598 DW/16

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

**DEPARTMENT OF PUBLIC WORKS**  
 HOWARD COUNTY, MARYLAND  
 6-4-74  
*W. O. Libbert*  
 CHIEF BUREAU OF ENGINEERING

**CONTRACT NO. C-2598 DW/16**

**PROFILES AND DETAIL OF WATER AND SEWER MAINS**

**COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6**

**DRAWING NO. 6 OF 6 SCALE AS SHOWN**

W. O. 6750-2

MAY 20, 1974

As Built 12-16-74

WS 598 W&S/6