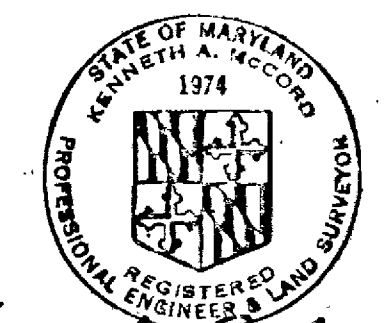


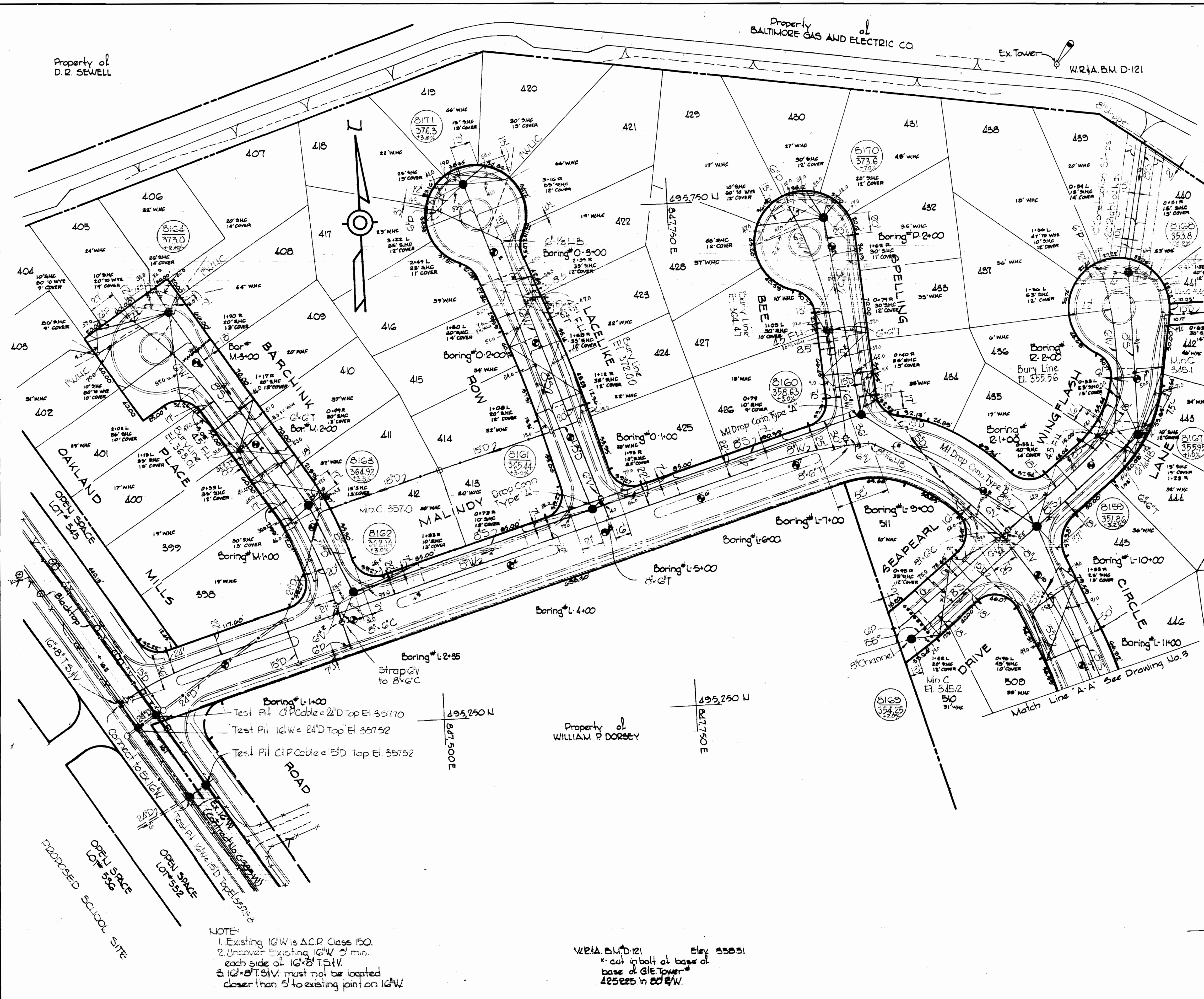
| QUANTITIES    |           |
|---------------|-----------|
| ITEM          | QUANTITY  |
| 8" Sewer      | 4635 L.F. |
| 8" Water      | 2040 L.F. |
| 6" Water      | 3530 L.F. |
| Fire Hydrants | 9         |

**CONTRACT C-2601-DW&S**  
**VILLAGE OF OWEN BROWN**  
**HOWARD COUNTY, MARYLAND**  
**DEPARTMENT OF PUBLIC WORKS**



*Kenneth A. McLeod*  
 Village of Owen Brown  
 Part 5 of 5  
 Section 4, Areal  
 Contract No. C-2601-DW&S

|   |   |  |   |                                     |
|---|---|--|---|-------------------------------------|
| WHITMAN, REQUARDT & ASSOCIATES<br>ENGINEERS<br>1304 ST. PAUL ST.<br>BALTIMORE, MARYLAND | DEPARTMENT OF PUBLIC WORKS<br>HOWARD COUNTY, MARYLAND<br>6-4-74<br><i>W.O. Filbert</i><br>CHIEF - BUREAU OF ENGINEERING | CONTRACT NO. C-2601-DW&S<br>LOCATION MAP OF<br>WATER & SEWER MAIN EXTENSIONS | COLUMBIA<br>VILLAGE OF OWEN BROWN<br>ELECTION DISTRICT GUILFORD No. 6 | DRAWING NO. 1 OF 4<br>SCALE 1"=800' |
|---|---|--|---|-------------------------------------|



**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 well in advance of construction operations in vicinity of utilities.
4. For all standard details see standards bound in Specifications.
5. All horizontal and vertical controls are based on Maryland State Datum.
6. Clear all utilities by 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 water mains to have a minimum of 3 1/2' cover.
9. Payment for strapping fire hydrants and valves will be included in unit price bid for furnishing and laying water main.
10. Block all fittings with concrete see standards bound in Specification.
11. All fire hydrants shall be strapped and buttressed in accordance with standard detail.
12. All W.C.'s to be 3/4' diameter unless otherwise noted.
13. Bury Line elevations on fire hydrants shall be set to elevations shown on drawings.
14. All manholes to be 4'-0" inside diameter.
15. The Contractor shall provide a joint in all sewer mains within 20' of exterior manhole walls.

**NOTE:**  
 Auger Borings were made by the American Testing and Engineering Co. for Howard Research and Development Corp. in February, 1974. Bottom of boring is shown. Refusal (if encountered) is shown. Complete logs are available at the Howard County Department of Public Works.  
 All S.H.C.'s set at 2% grade.

**NOTE:**  
 1. Existing 10"W is A.C.P. Class 150.  
 2. Uncover Existing 10"W 5' min. each side of 10" B.T.S.V.  
 3. 10" B.T.S.V. must not be located closer than 5' to existing joint on 10"W.

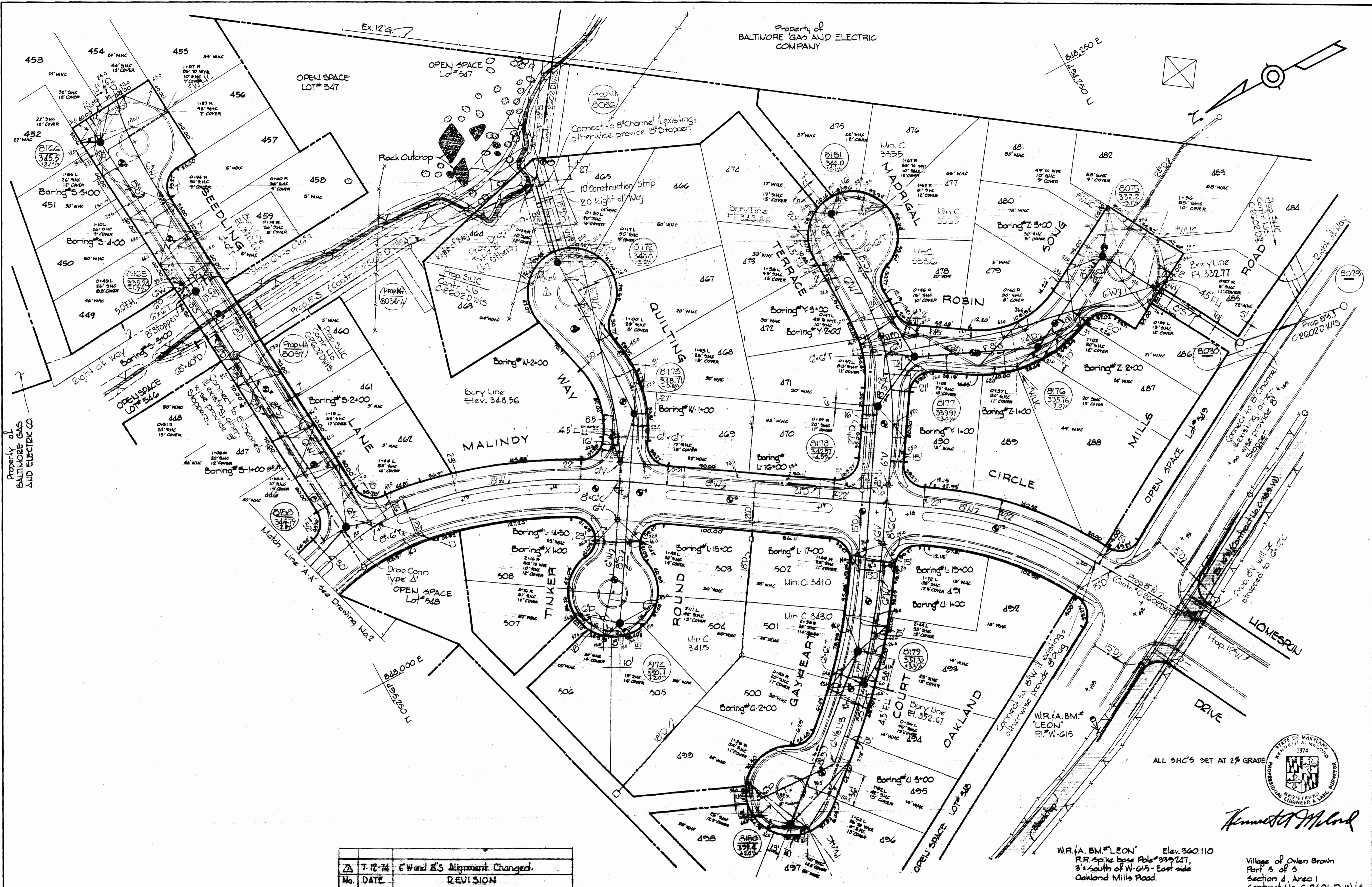
W.R.A. B.M. D-121 Eley 335.31  
 \* cut in bolt at base of base of G.E. Tower # 425225 in 80' R/W.



*Kenneth A. McLeod*

Village of Owen Brown  
 Part 3 of 5  
 Section 4, Area 1  
 Contract No. C-2601-D W&S

|  |   |                                      |  |  |   |
|--|---|--------------------------------------|--|--|---|
| <b>WHITMAN, REQUARDT &amp; ASSOCIATES</b><br>ENGINEERS<br>1304 ST. PAUL ST.<br>BALTIMORE, MARYLAND | <b>DEPARTMENT OF PUBLIC WORKS</b><br>HOWARD COUNTY, MARYLAND<br>DATE <u>6-4-74</u><br><i>W. O. Falbert</i><br>CHIEF BUREAU OF ENGINEERING | <b>CONTRACT NO. C-2601-D W&amp;S</b> | <b>PLAN OF</b><br><b>WATER AND SEWER MAINS</b> | <b>COLUMBIA</b><br><b>VILLAGE OF OWEN BROWN</b><br><b>ELECTION DISTRICT GUILFORD No. 6</b> | <b>DRAWING SCALE</b><br><b>NO. 2 OF 4</b><br><b>1" = 50'</b><br>1/4" = 12'-0"<br>1/8" = 6'-0" |
|--|---|--------------------------------------|--|--|---|



Property of  
BALTIMORE GAS AND ELECTRIC  
COMPANY

Property of  
BALTIMORE GAS  
AND ELECTRIC CO.

ALL SHC'S SET AT 2% GRADE



*Kenneth A. Milrod*

W.R.I.A. B.M. "LEON" Elev. 360.110  
P.R. Spike base Pole #339247,  
3' S. of W-615 - East side  
Oakland Mills Road.

Village of Owen Brown  
Part 5 of 5  
Section 4, Area 1  
Contract No. C-2601-D W.E.S.

|         |                                 |
|---------|---------------------------------|
| 7-12-74 | 6" Ward S.S. Alignment Changed. |
| No.     | DATE                            |
|         | REVISION                        |

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

**DEPARTMENT OF PUBLIC WORKS**  
HOWARD COUNTY, MARYLAND  
6-4-74  
DATE

*W. O. Falbert*  
CHIEF BUREAU OF ENGINEERING

**CONTRACT NO. C-2601-D W.E.S.**

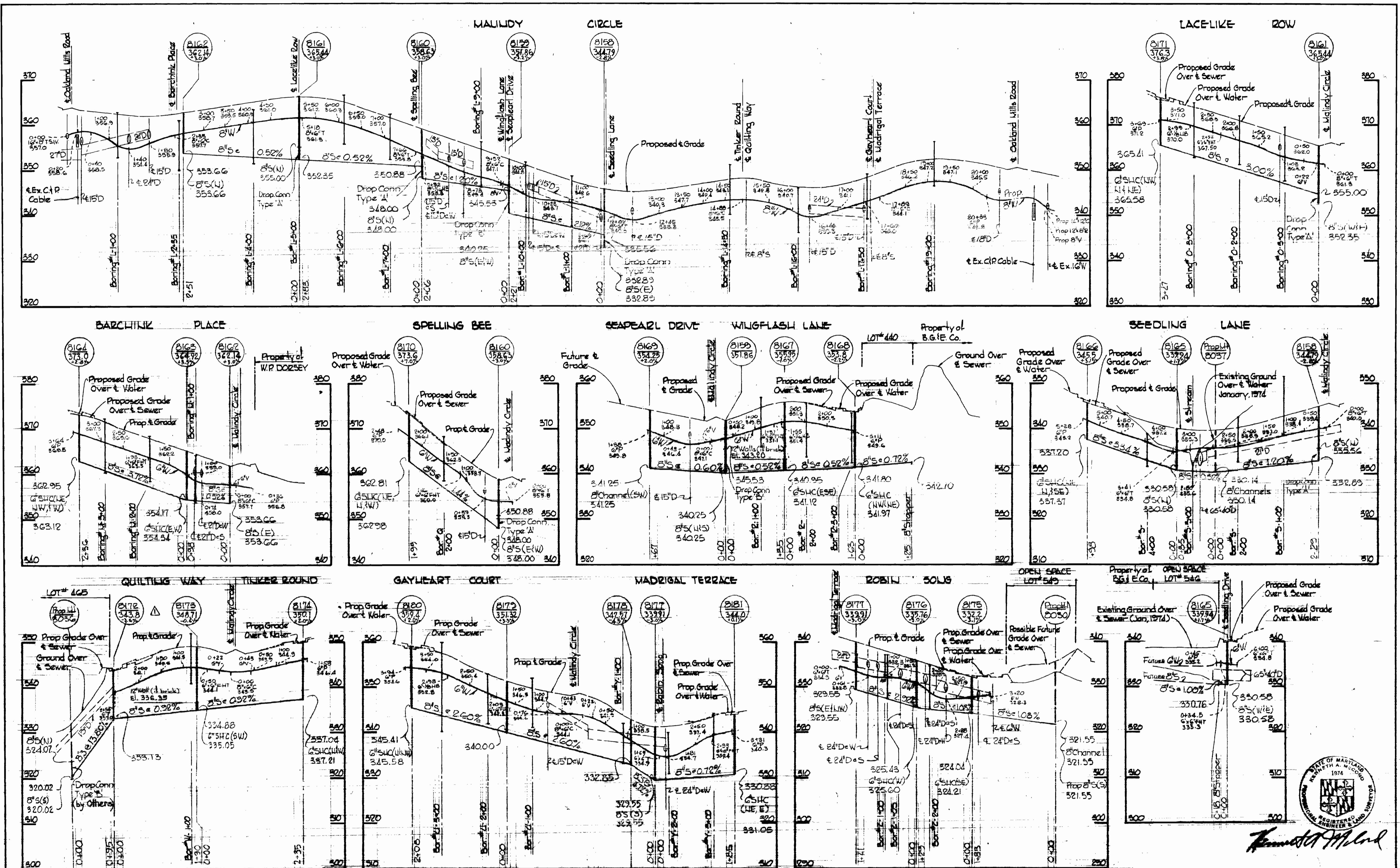
**PLAN OF  
WATER AND SEWER MAINS**

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

**DRAWING  
NO. 3  
OF 4**

**SCALE  
1" = 50'**

WS 601 WES/4



*Kenneth A. McLeod*

|          |  |
|----------|--|
| 7-12-74  | S.S. Changed between Prop. M# 8026 and M# 8173 |
| No. DATE | REVISION                                       |

|  |   |                               |  |   |  |
|--|---|-------------------------------|--|---|--|
| <b>WHITMAN, REQUARDT &amp; ASSOCIATES</b><br>ENGINEERS<br>1304 ST. PAUL ST.<br>BALTIMORE, MARYLAND | <b>DEPARTMENT OF PUBLIC WORKS</b><br>HOWARD COUNTY, MARYLAND<br>6-4-74<br><i>W. O. Gilbert</i><br>CHIEF BUREAU OF ENGINEERING | <b>CONTRACT NO. 260-D-WBS</b> | <b>PROFILES OF WATER AND SEWER MAINS</b> | <b>COLUMBIA VILLAGE OF OWEN BROWN</b><br>ELECTION DISTRICT QUILFORD No. 6 | <b>DRAWING NO. 4 OF 4</b><br><b>SCALE H:V = 1"=10'</b> |
|--|---|-------------------------------|--|---|--|

W. O. 6857-2

AS-BUILT 12-6-74

JULY 16, 1974