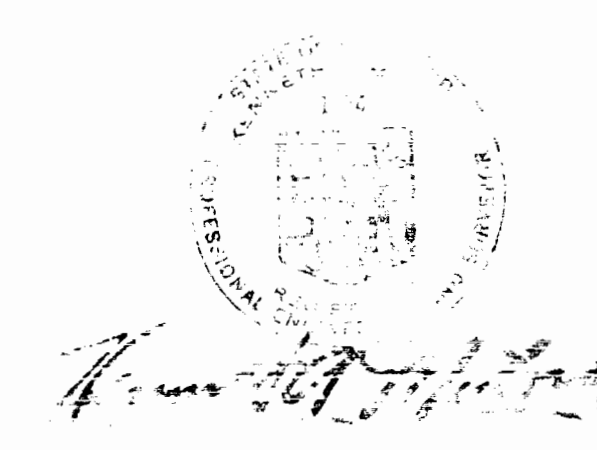


**CONTRACT C-2599 D-W&S**  
**VILLAGE OF OWEN BROWN**  
**HOWARD COUNTY, MARYLAND**  
**DEPARTMENT OF PUBLIC WORKS**

QUANTITIES	
ITEM	QUANTITY
8" Sewer	4,280 LF.
8" Water	3,445 LF.
6" Water	2,520 LF.
Fire Hydrants	10



Village of Owen Brown  
 Part 3 of 5  
 Section 4, Area  
 Contract No. C-2599D-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 6-4-74 <i>W. O. Gilbert</i> CHIEF - BUREAU OF ENGINEERING	CONTRACT NO. <del>C-2599-D-W&amp;S</del> C-2599-D-W&S	LOCATION MAP OF WATER & SEWER MAIN EXTENSIONS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD No. 6	DRAWING NO. 1 OF 5 SCALE 1"=800'
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W. O. 6857-2

As Built 12-3-74

MAY 20, 1974

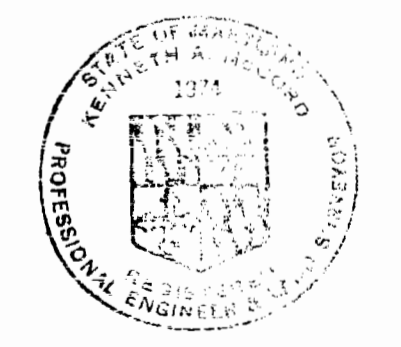
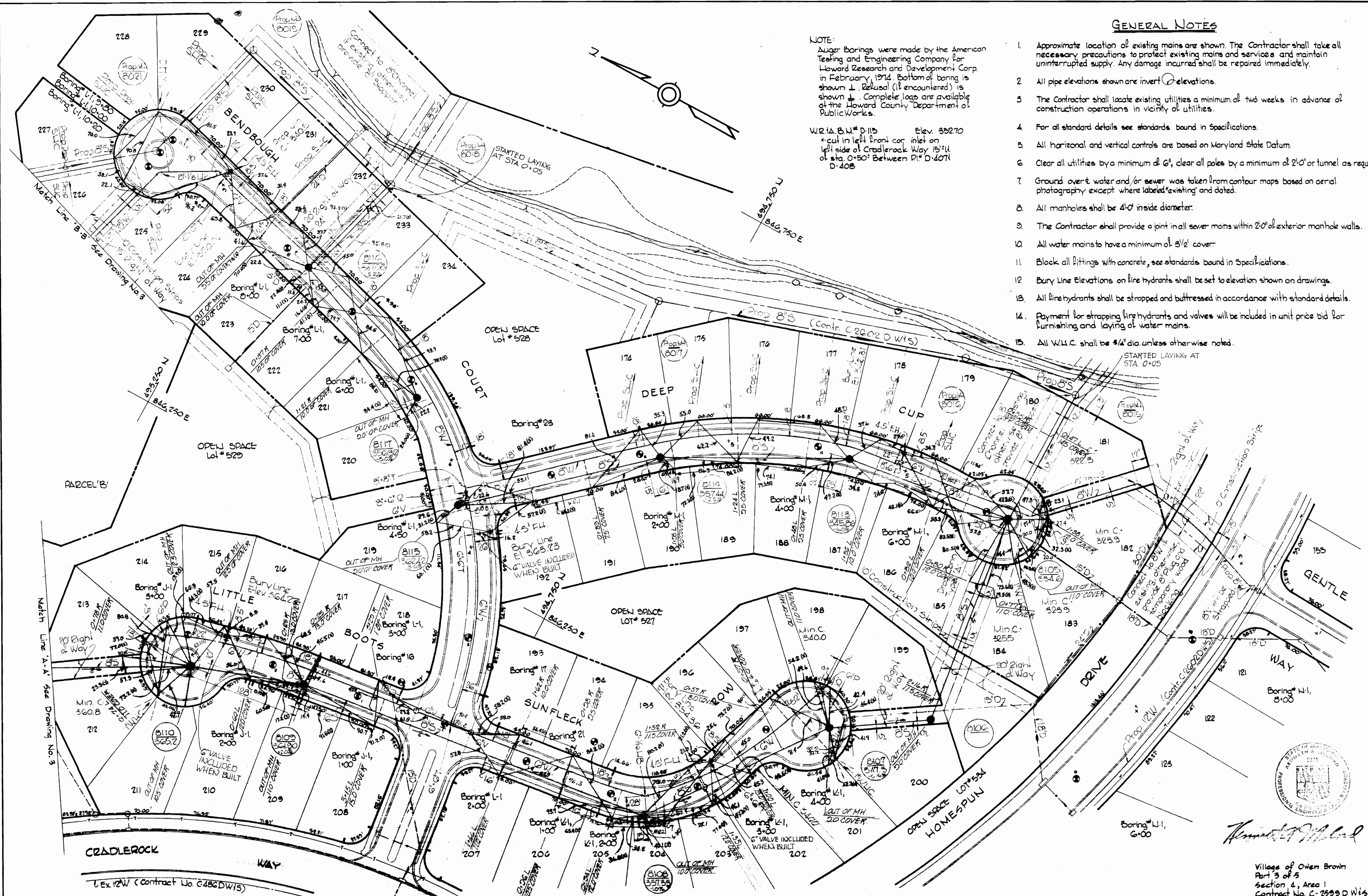
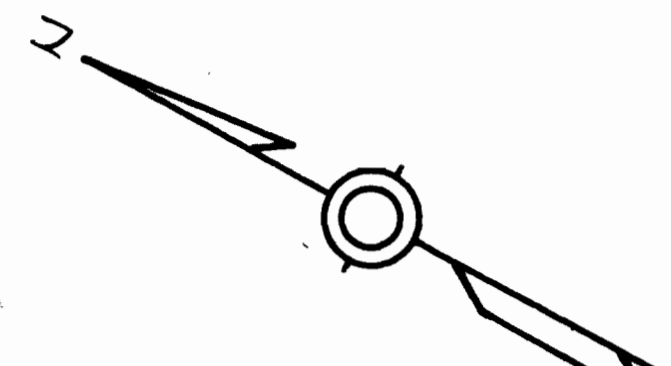
WS 599 W&S/

DRAWING 44-510 (427)

**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 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 shall 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 elevation shown on drawings.
13. All fire hydrants shall be strapped and buttressed in accordance with standard details.
14. Payment for strapping fire hydrants and valves will be included in unit price bid for furnishing and laying of water mains.
15. All W.M.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 Corp. in February, 1974. Bottom of boring is shown  $\perp$ . Refusal (if encountered) is shown  $\perp$ . Complete logs are available at the Howard County Department of Public Works.  
 W.R.I.A. B.M. # D-115 Elev. 35270  
 \*cut in left front cor. inlet on left side of Cradlerock Way 15' N of sta. 0+50. Between P.I. D-2071 D-408



*Handwritten signature*

Village of Owen Brown  
 Part 3 of 5  
 Section 4, Area 1  
 Contract No. C-2599 DW/S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 6-24-74 W. O. Falbert CHIEF BUREAU OF ENGINEERING	CONTRACT NO. C-2599 DW/S	PLAN OF WATER AND SEWER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD No. 6	DRAWING NO. 2 OF 5 SCALE 1"=50'
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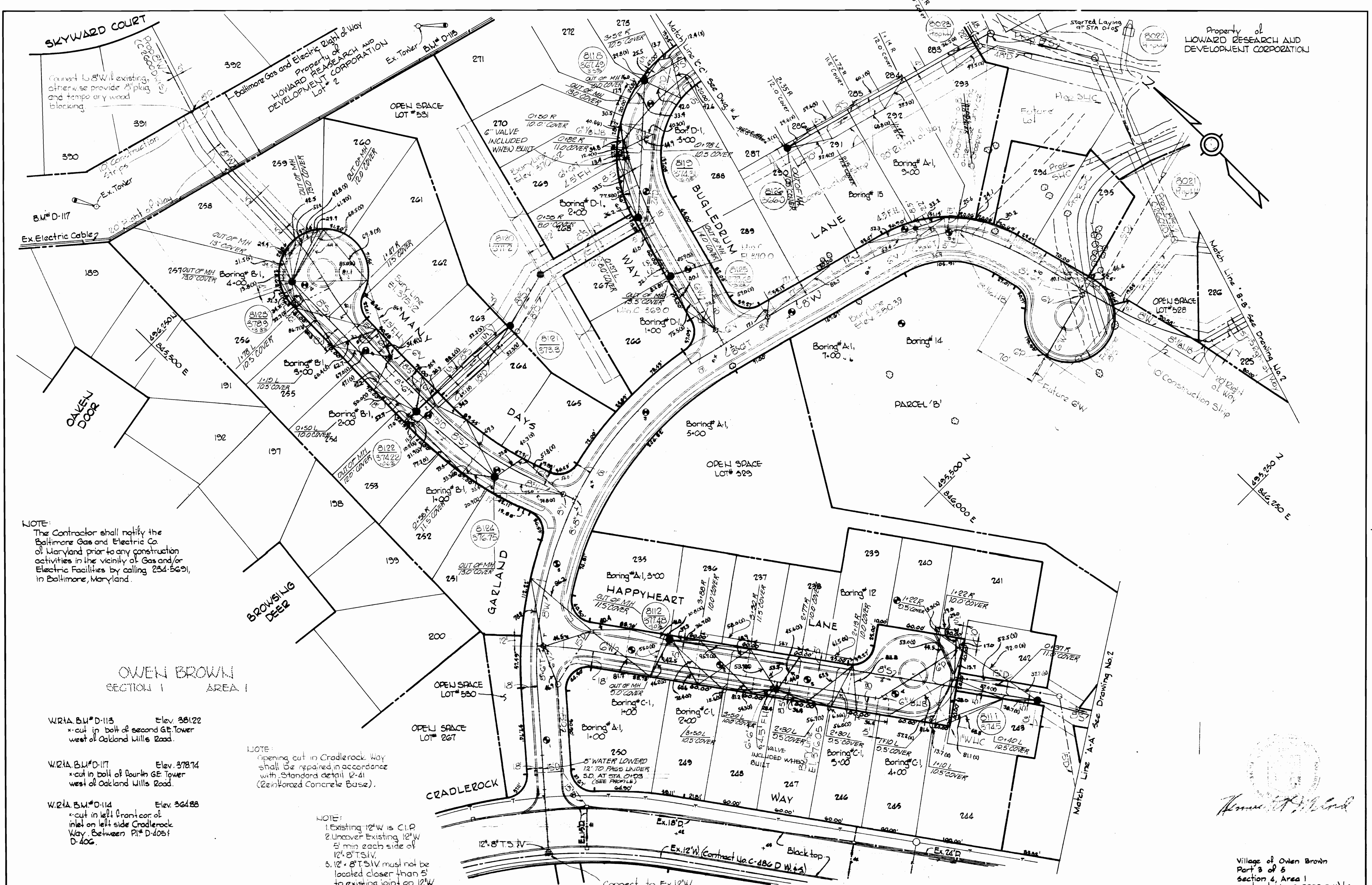
W. O. 6857-2

As Built 12-3-74 MAY 20, 1974

7-13-74  
 W.M.

BORING 44510 1092

Property of HOWARD RESEARCH AND DEVELOPMENT CORPORATION



NOTE:  
The Contractor shall notify the Baltimore Gas and Electric Co. of Maryland prior to any construction activities in the vicinity of Gas and/or Electric Facilities by calling 234-5691, in Baltimore, Maryland.

- WR1A, B.M. # D-113 Elev. 381.22  
\*cut in bolt of second GE Tower west of Oakland Mills Road.
- WR1A, B.M. # D-117 Elev. 378.74  
\*cut in bolt of fourth GE Tower west of Oakland Mills Road.
- WR1A, B.M. # D-114 Elev. 364.88  
\*cut in left front cor. of inlet on left side Cradlerock Way, between PI# D-405 & D-406.

NOTE:  
Opening cut in Cradlerock Way shall be repaired in accordance with Standard detail 12-41 (Reinforced Concrete Base).

- NOTE:  
1. Existing 12" W is C.I.P.  
2. Uncover Existing 12" W 5' min each side of 12" 8" T.S.V.  
3. 12" 8" T.S.V. must not be located closer than 5' to existing joint on 12" W.

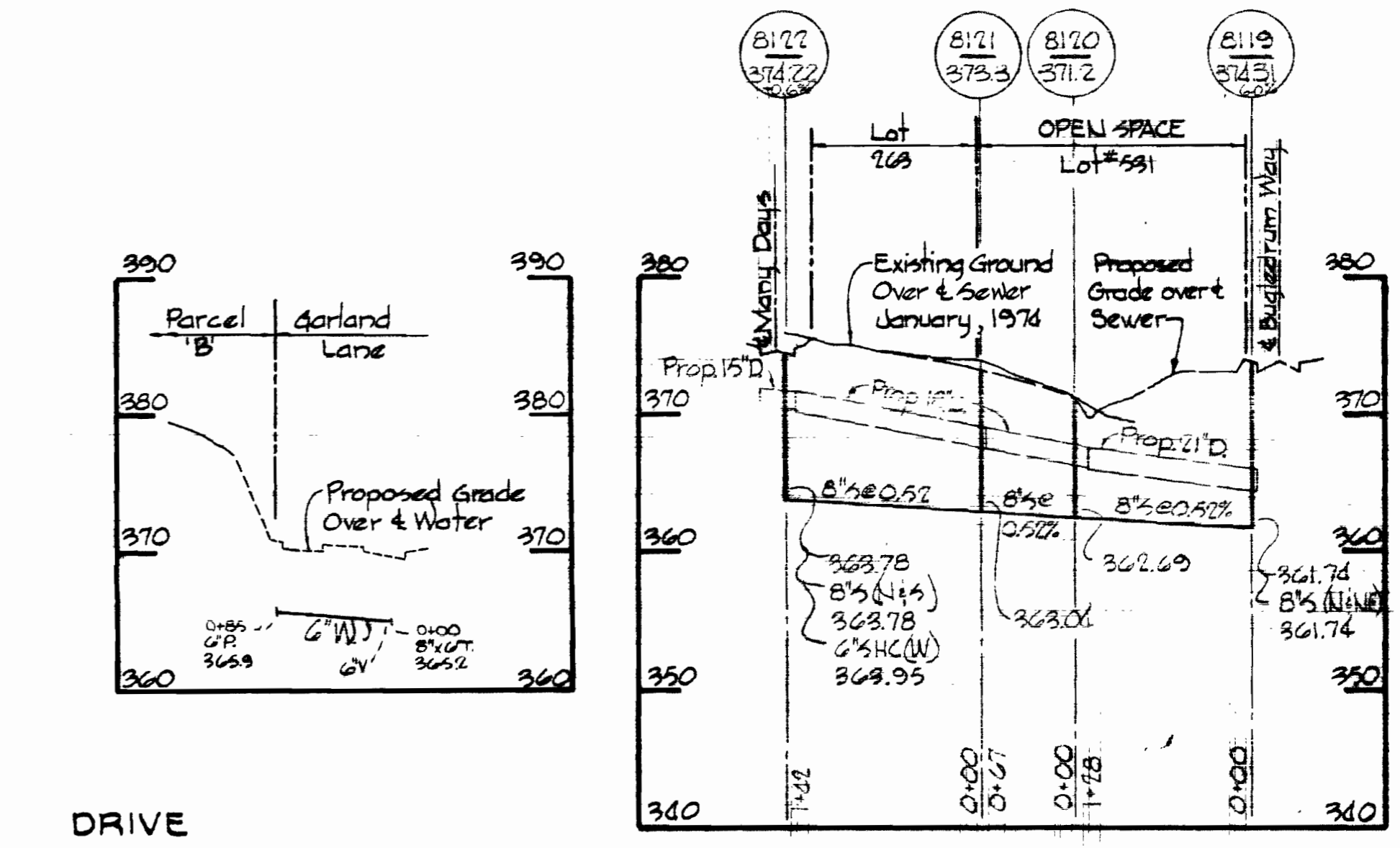
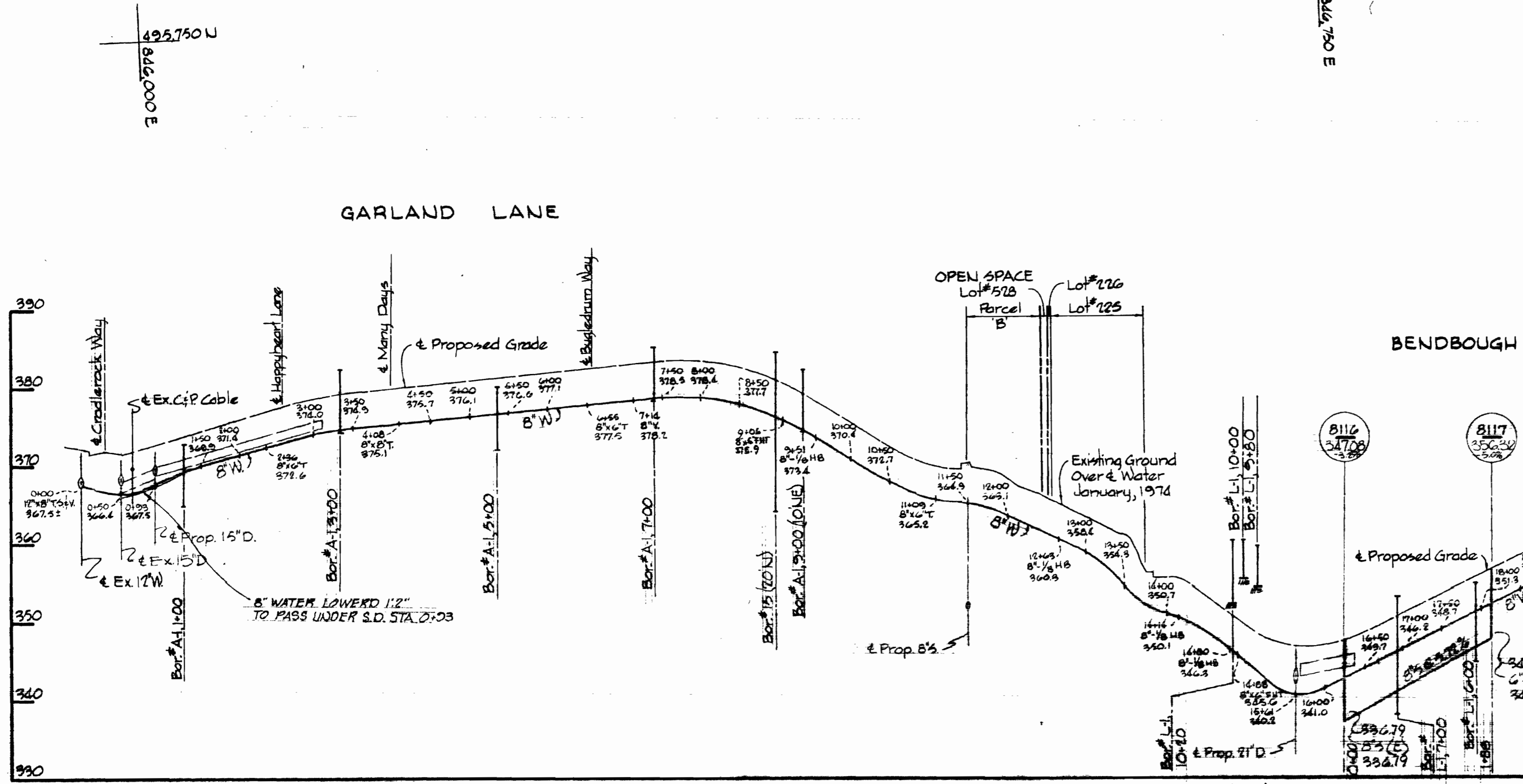
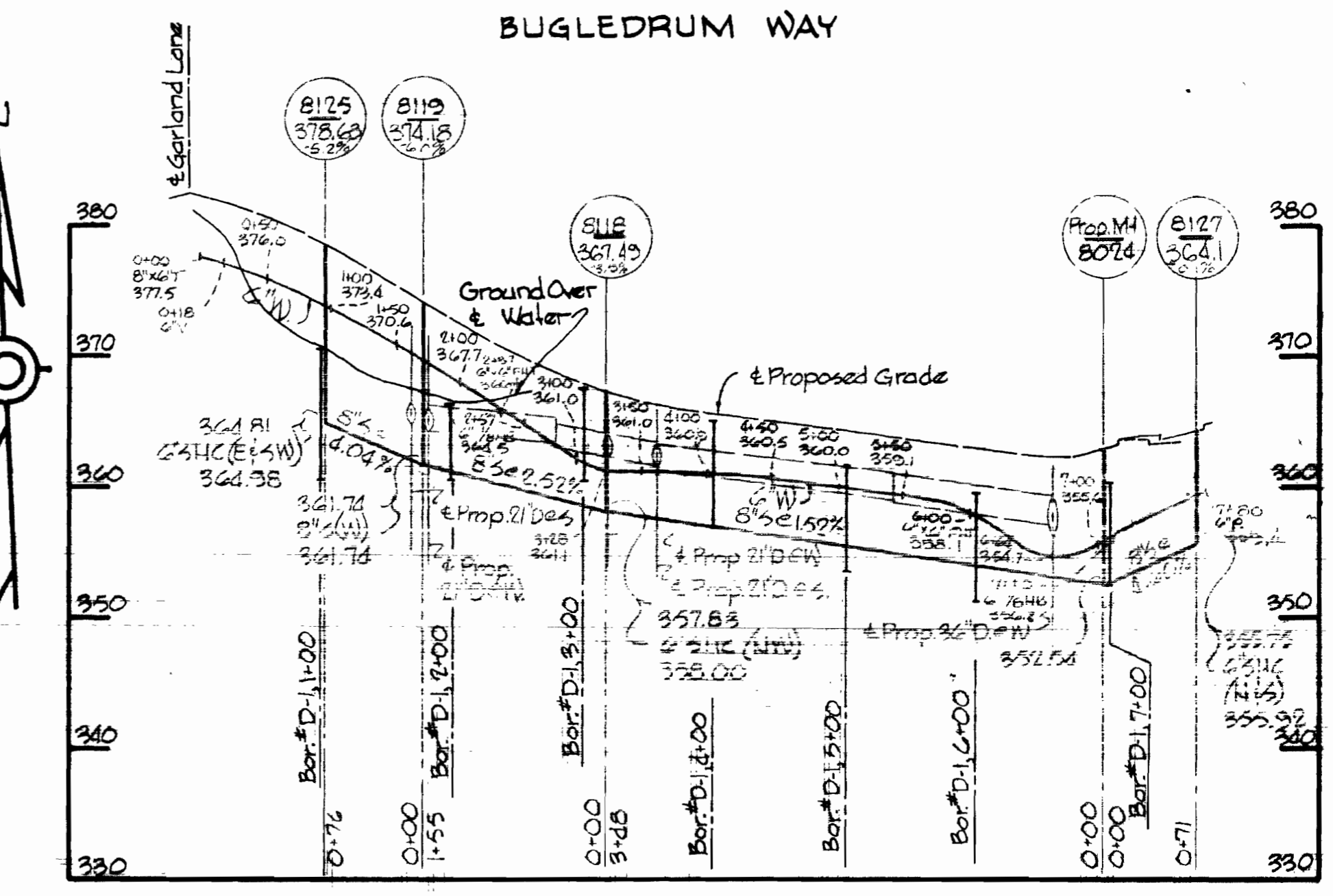
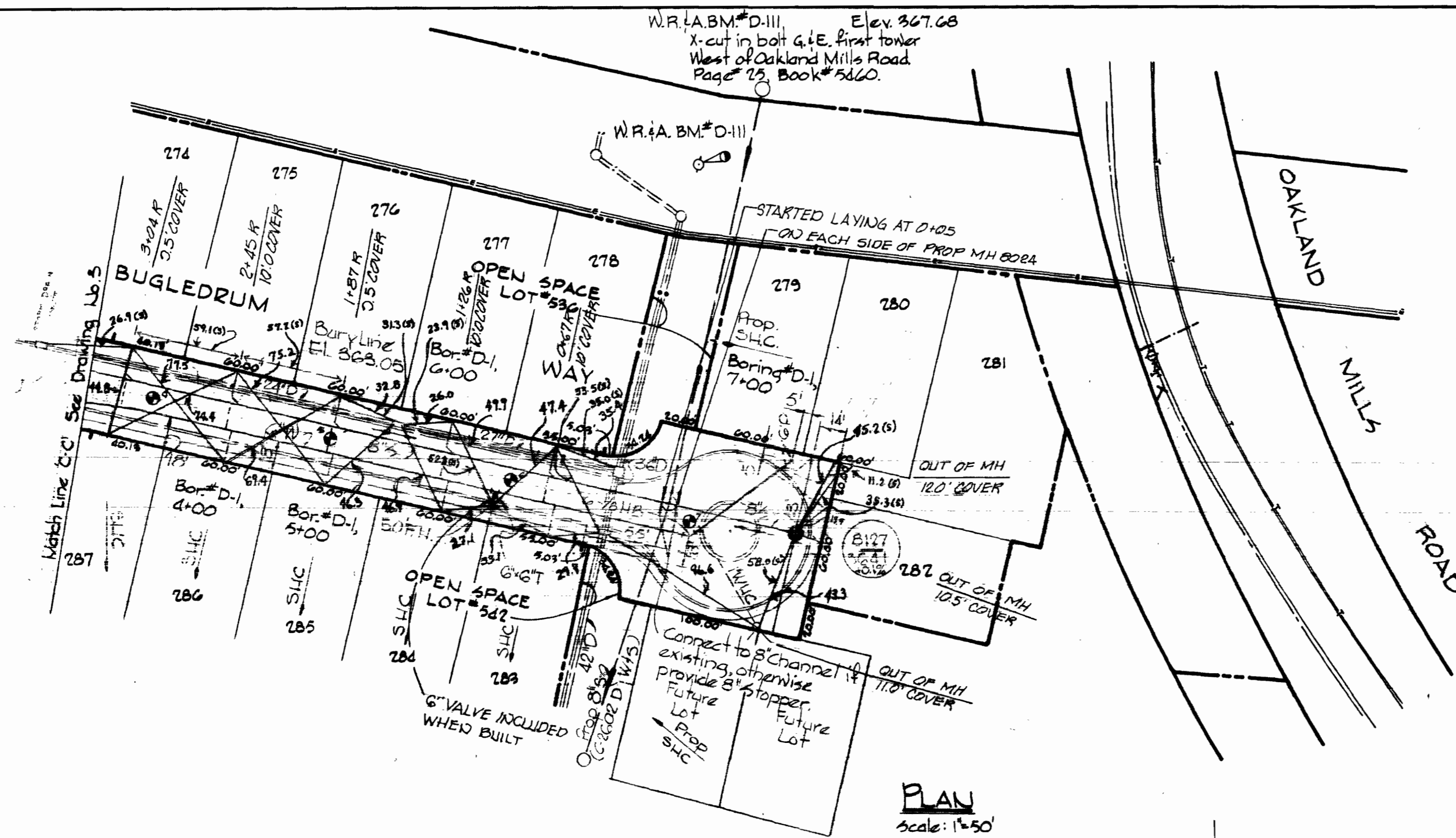
<p>WHITMAN, REQUARDT &amp; ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND</p>	<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 6-4-74 DATE</p>	<p>CONTRACT NO. C-599-DWBS</p>	<p>PLAN OF WATER AND SEWER MAINS</p>	<p>COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD No. 6</p>	<p>DRAWING NO. 3 OF 5 SCALE 1"=50'</p>
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W. O. 2857-2

As Built 12-3-74 MAY 20, 1974

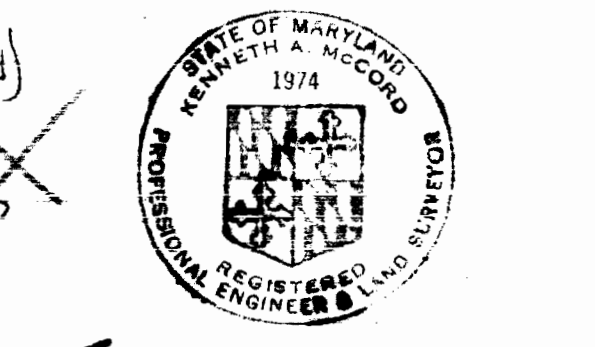
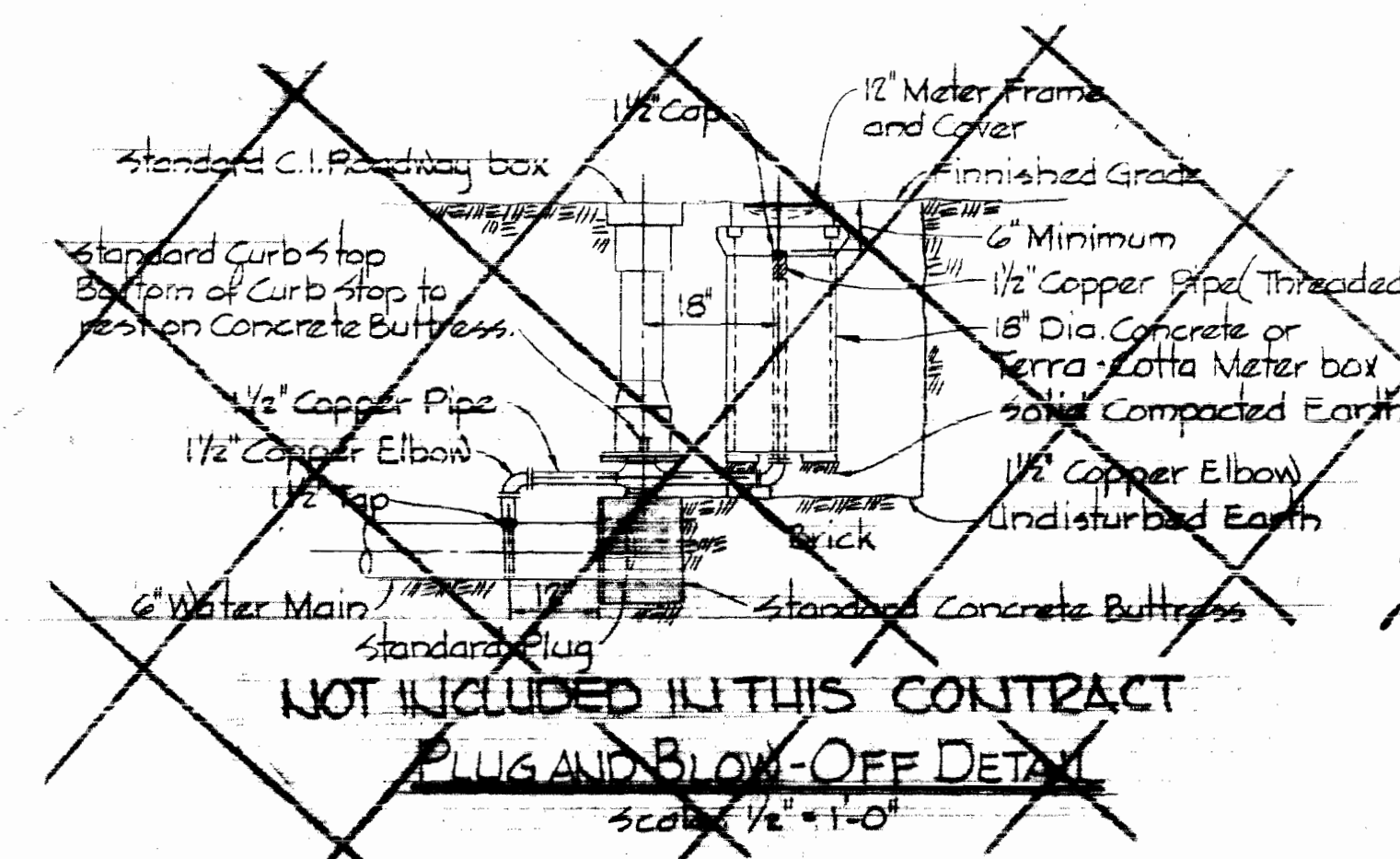
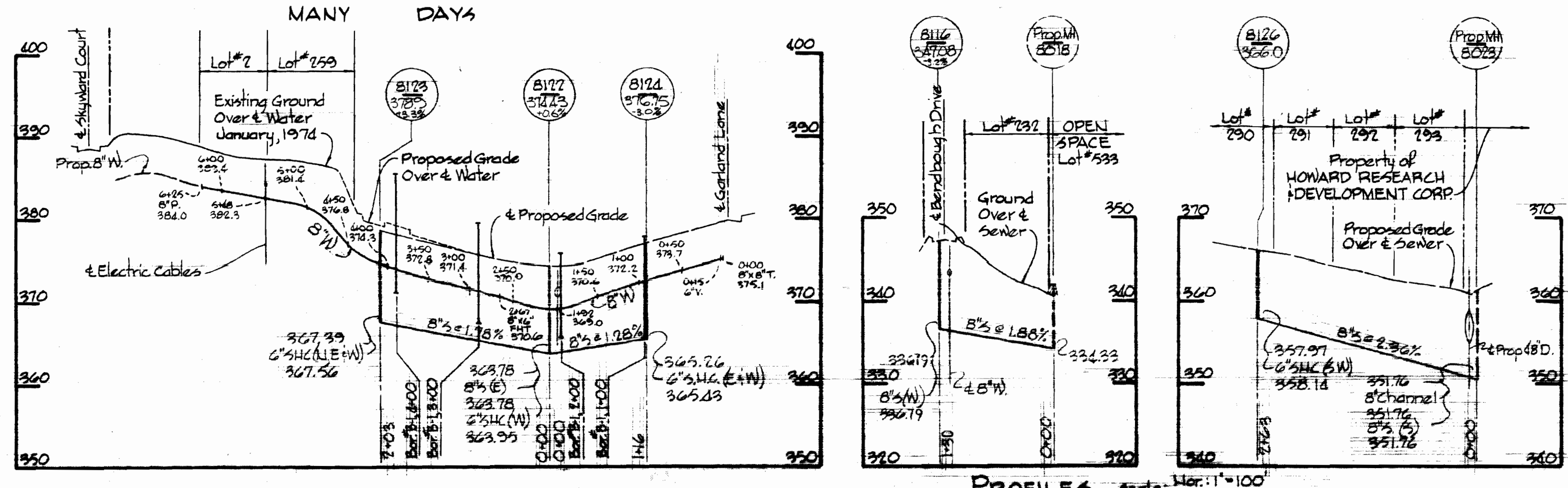
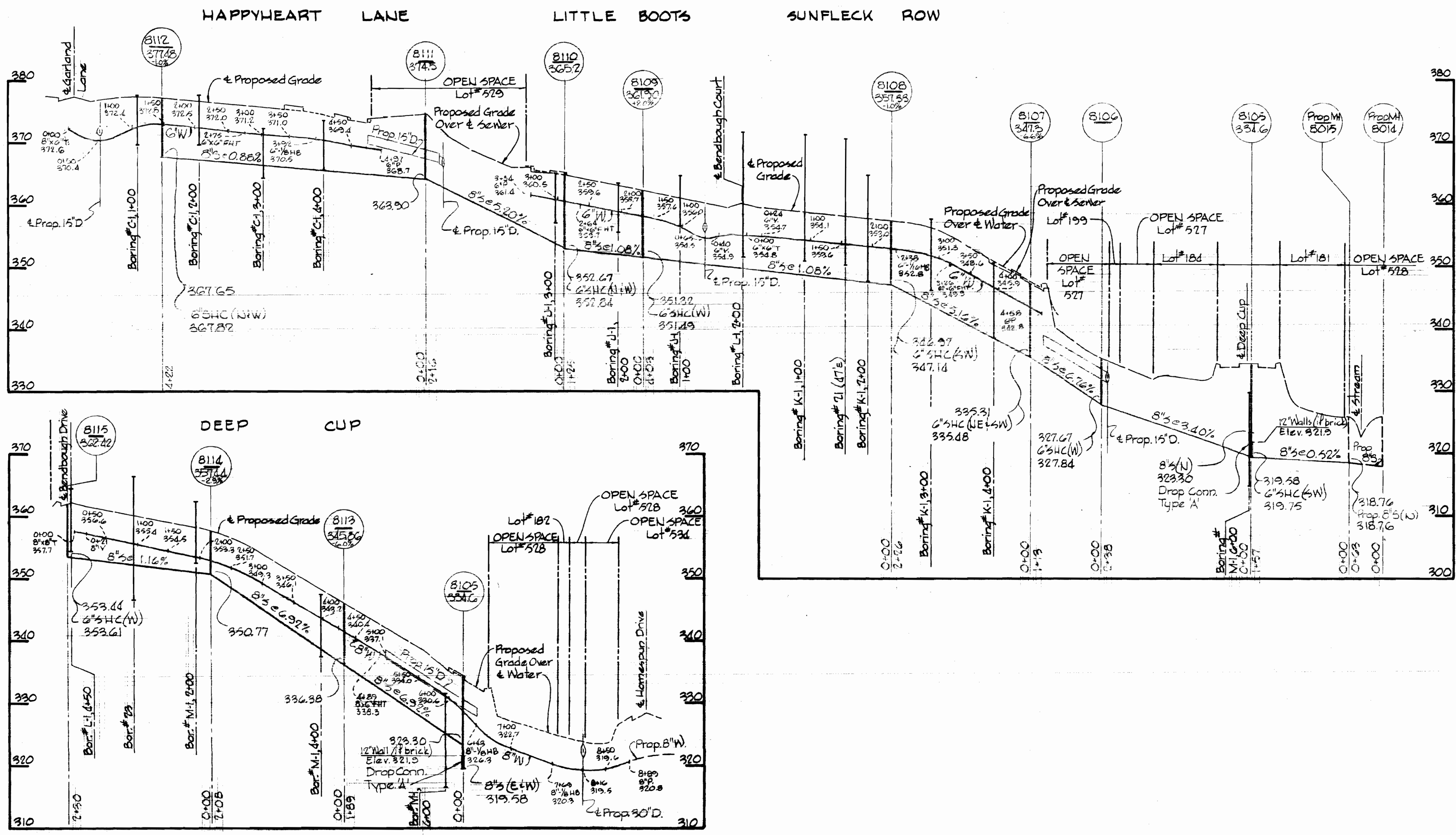
WS 599 WE S/3

BRUNING 44510 183C



Village of Owen Brown  
Part 3 of 5  
Section 4, Area 1  
Contract No. C-2599 DW6

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. C-2599 DW6	PLAN AND PROFILES OF WATER AND SEWER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD No. 6	DRAWING NO. 4 OF 5 SCALE AS SHOWN
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*Kenneth A. McCord*

Village of Owen Brown  
Part 3 of 5  
Section 4, Area 1  
Contract No. C-2599-D W&S

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

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
6.4.74  
DATE

CONTRACT NO. ~~C-2599-D~~ DWBS

PROFILES AND DETAILS OF  
WATER AND SEWER MAINS

COLUMBIA  
VILLAGE OF OWEN BROWN  
ELECTION DISTRICT GUILFORD No. 6

DRAWING NO. 5 OF 5  
SCALE AS SHOWN

W&S/S 377