

BENCH MARKS

- W21A BM# 94-29.02 Elev. 302.28
Cradlerock Way Sta. 94+29.02
N.T.F.T.
- W21A BM# 93-00 Elev. 307.79
Cradlerock Way Sta. 93+00
N.T.F.T.
- W21A BM# 6 Elev. 313.99
Property Corner #268
- W21A BM# W-761 Elev. 293.63
Iron Pipe 130' right of E
Sta. 93+45, Cradlerock Way.

VICINITY MAP
Scale: 1"=2,000'

GENERAL NOTES

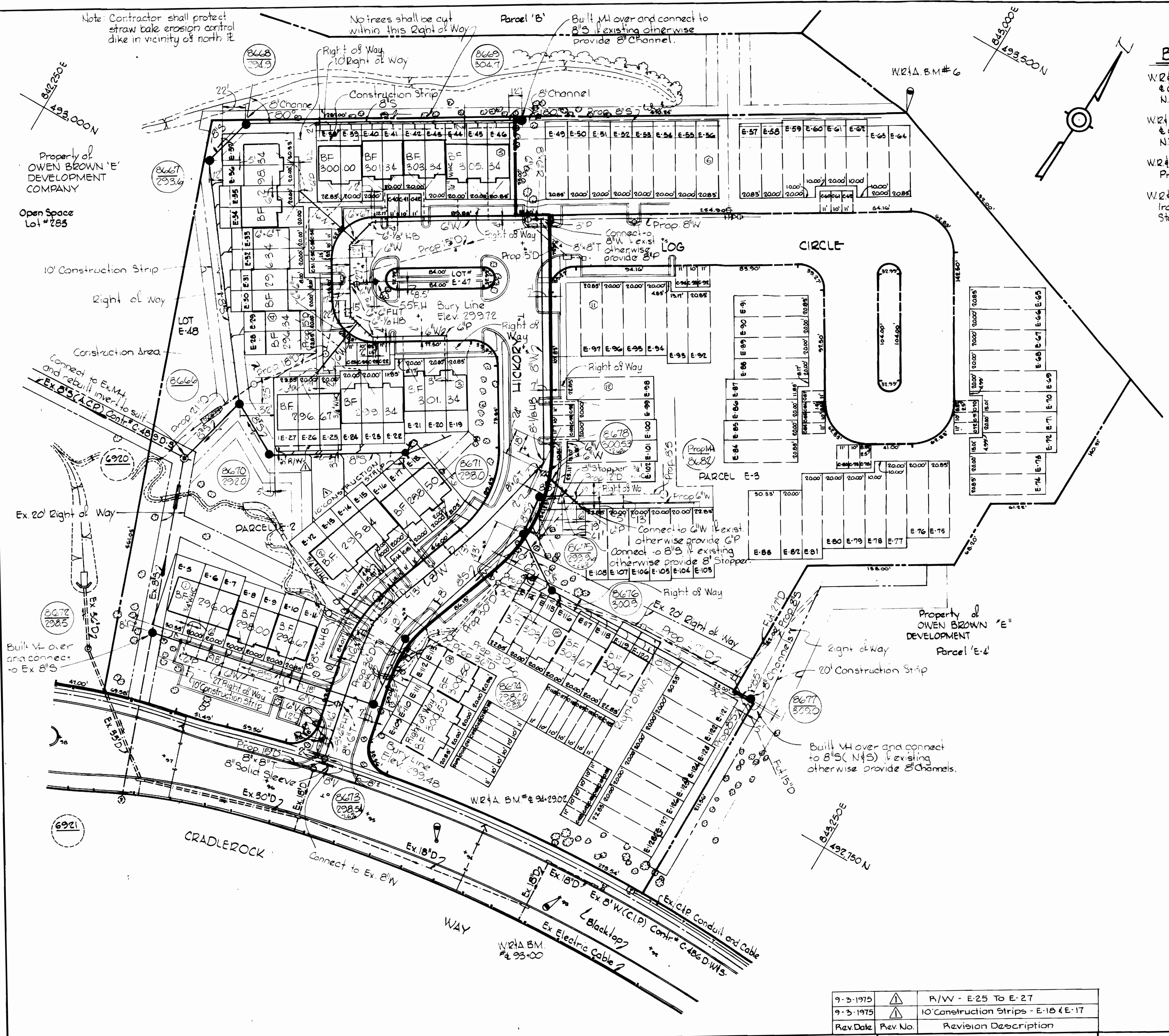
1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. Clear all utilities by a minimum of 6'.
5. For all standard details see standard bound in Specifications.
6. All horizontal and vertical controls are based on Maryland State Datum.
7. Trees are to be protected from damage to maximum extent. Trees located within the Construction Strip are not to be removed or damaged by the Contractor.
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 3/8' cover unless otherwise noted.
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 shall be included in unit price bid for furnishing and laying of water mains.
15. All W.U.C. shall be 1" diameter unless otherwise noted.

QUANTITIES	
ITEM	QUANTITY
8" Sewer	1,600 LF
8" Water	600 LF
6" Water	730 LF
Fire Hydrants	2



Village of Owen Brown
Section 1, Area 1
Parcel E-2
Contract No. 2663DW45

Rev. Date	Prev. No.	Revision Description
9-3-1975	1	P/W - E-25 To E-27
9-3-1975	2	10' Construction Strips - E-18 & E-17



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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
8-28-75
DATE
W. O. Whitman
CHIEF BUREAU OF ENGINEERING

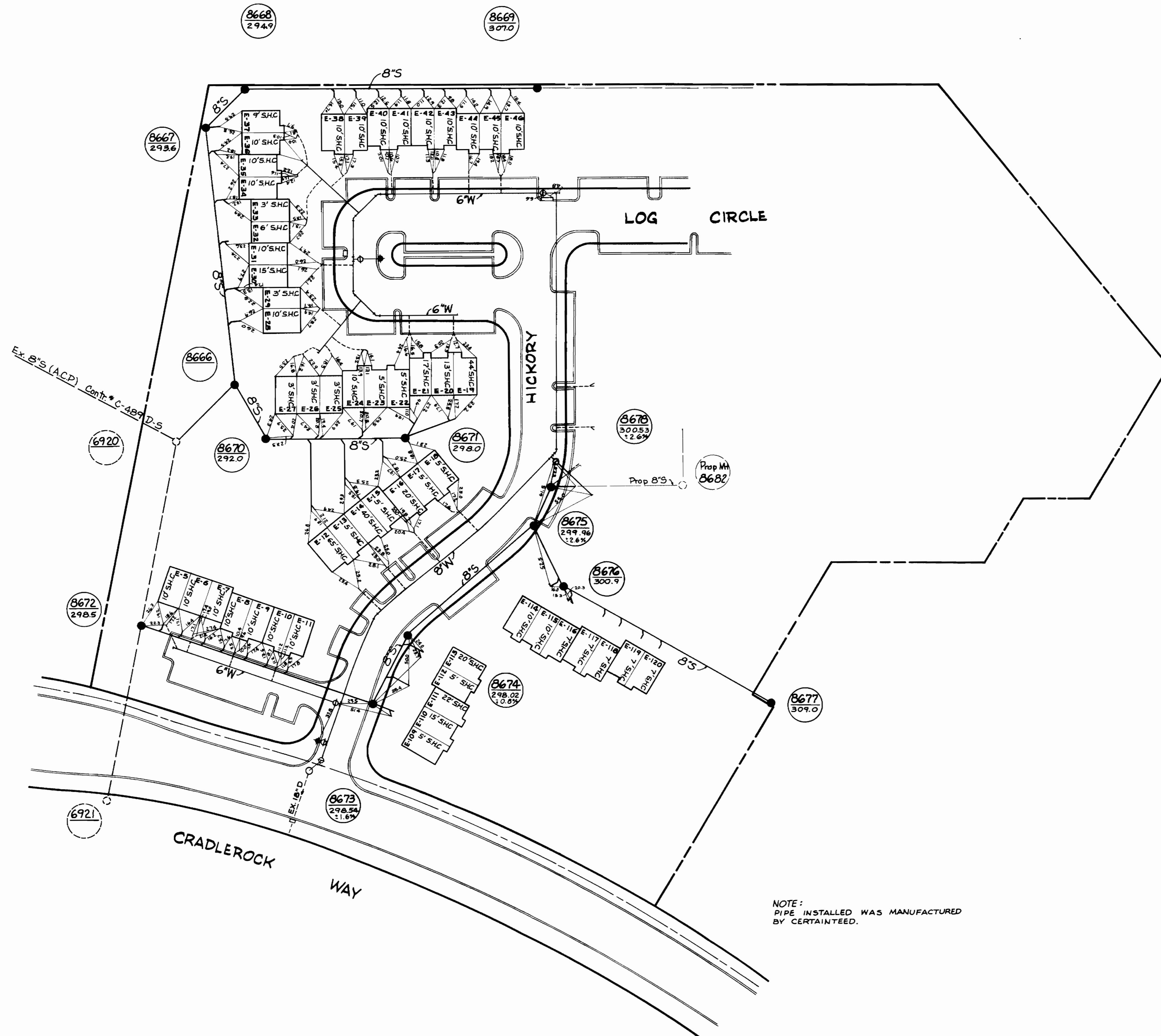
CONTRACT NO. 2663D W45

PLAN OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF OWEN BROWN
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 1 OF 2
SCALE 1"=50'

AS-BUILT - (See Sht. 1-A)
Dec. 19, 1975
FB# 5761, 5790, 5809 & 5810
AUGUST 23, 1975

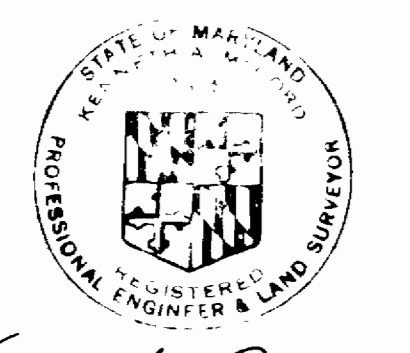
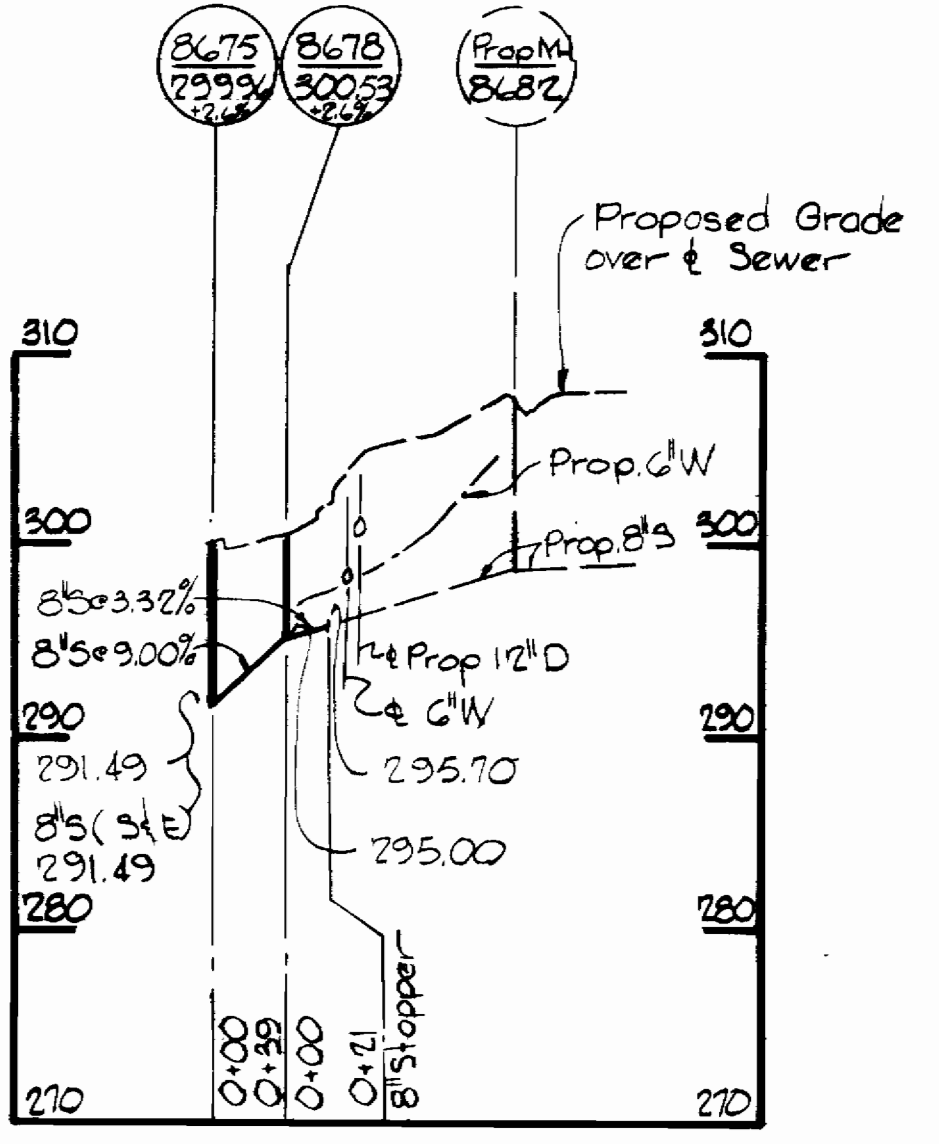
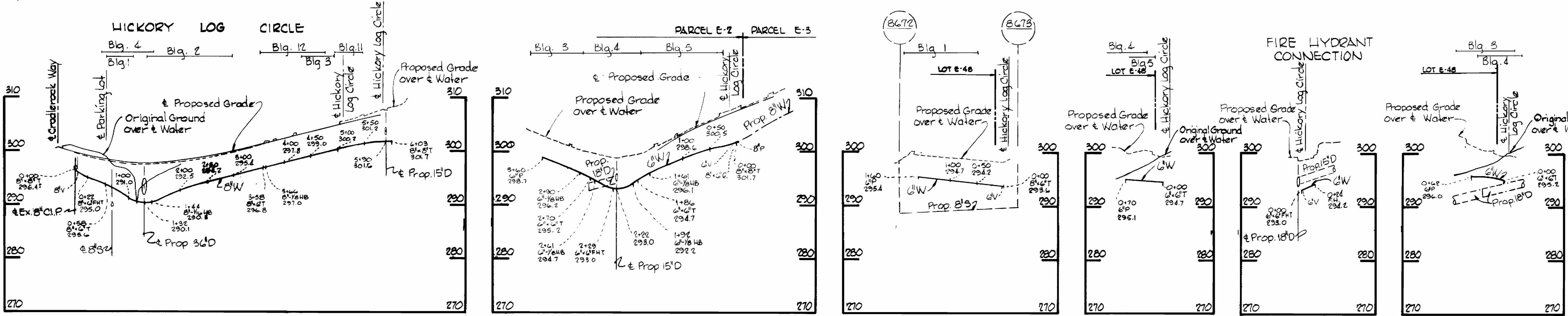
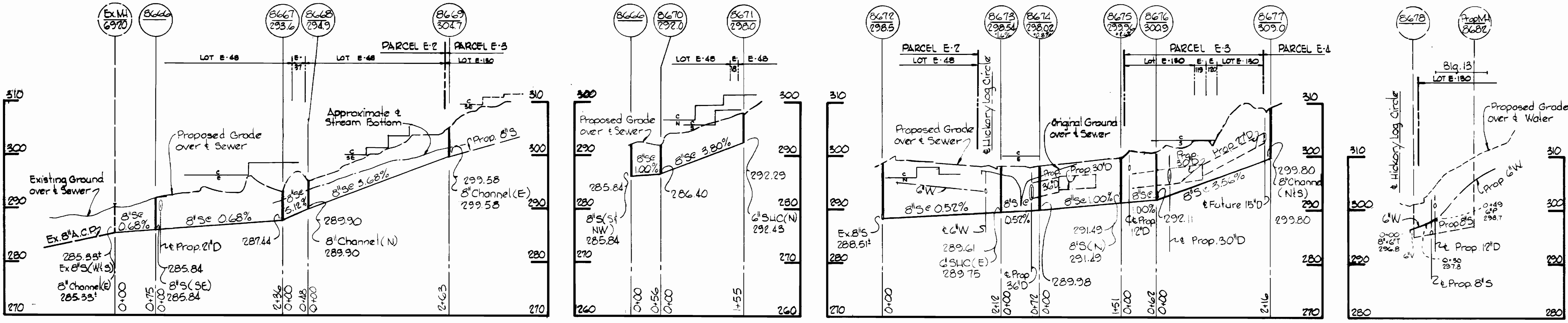


NOTE:
PIPE INSTALLED WAS MANUFACTURED
BY CERTAINTIED.

AS - BUILT DEC 19, 1975

DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING INSPECTIONS & SURVEY DIVISION	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE _____ CHIEF BUREAU OF WATER AND SEWER	CONTRACT NO 2663D W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO.6	DRAWING NO. <u>1A</u> OF <u>2</u>	SCALE 1"=50'
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M. 663 W&S 1A



Kenneth A. Melrod

Village of Owen Brown
Section 1, Area 1
Parcel E-2
Contract No. 2663D WBS

<p>WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND</p>	<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 8-28-75 DATE</p> <p><i>W. O. Melrod</i> CHIEF BUREAU OF ENGINEERING</p>	<p>CONTRACT NO. 2663D WBS</p>	<p>PROFILES OF WATER & SEWER MAINS</p>	<p>COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6</p>	<p>DRAWING NO. 2 OF 2</p> <p>SCALE H:1"=100' V:1"=10'</p>
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W. O. 2421

AS-BUILT (See Sht. 1-A)
Dec. 19, 1975 August 26, 1975

MS 663 W-5-10

BRUNING 44510 18392