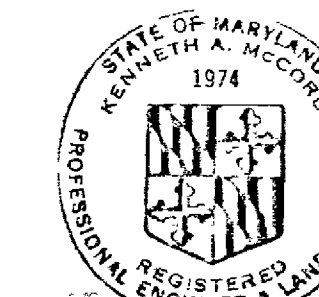


QUANTITIES	
ITEM	QUANTITY
8" Sewer	6735 LF
12" Water	1915 LF
8" Water	210 LF
6" Water	670 LF
Fire Hydrant	2

CONTRACT C-2602D-W&S
VILLAGE OF OWEN BROWN
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS



Kenneth A. McCord

Village of Owen Brown
 Section 4, Area 1
 Contract No. C-2602D-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 5-1-74 <i>W. O. Whitman</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. C-2602D-W&S	LOCATION MAP OF WATER & SEWER MAIN EXTENSIONS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT: GULFORD No. 6	DRAWING NO. <u>1</u> OF <u>7</u> SCALE: 1"=800'
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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 \ominus 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 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 standard bound in Specifications.

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. Refusal (if encountered) is shown. Complete logs are available at the Howard County, Department of Public Works.

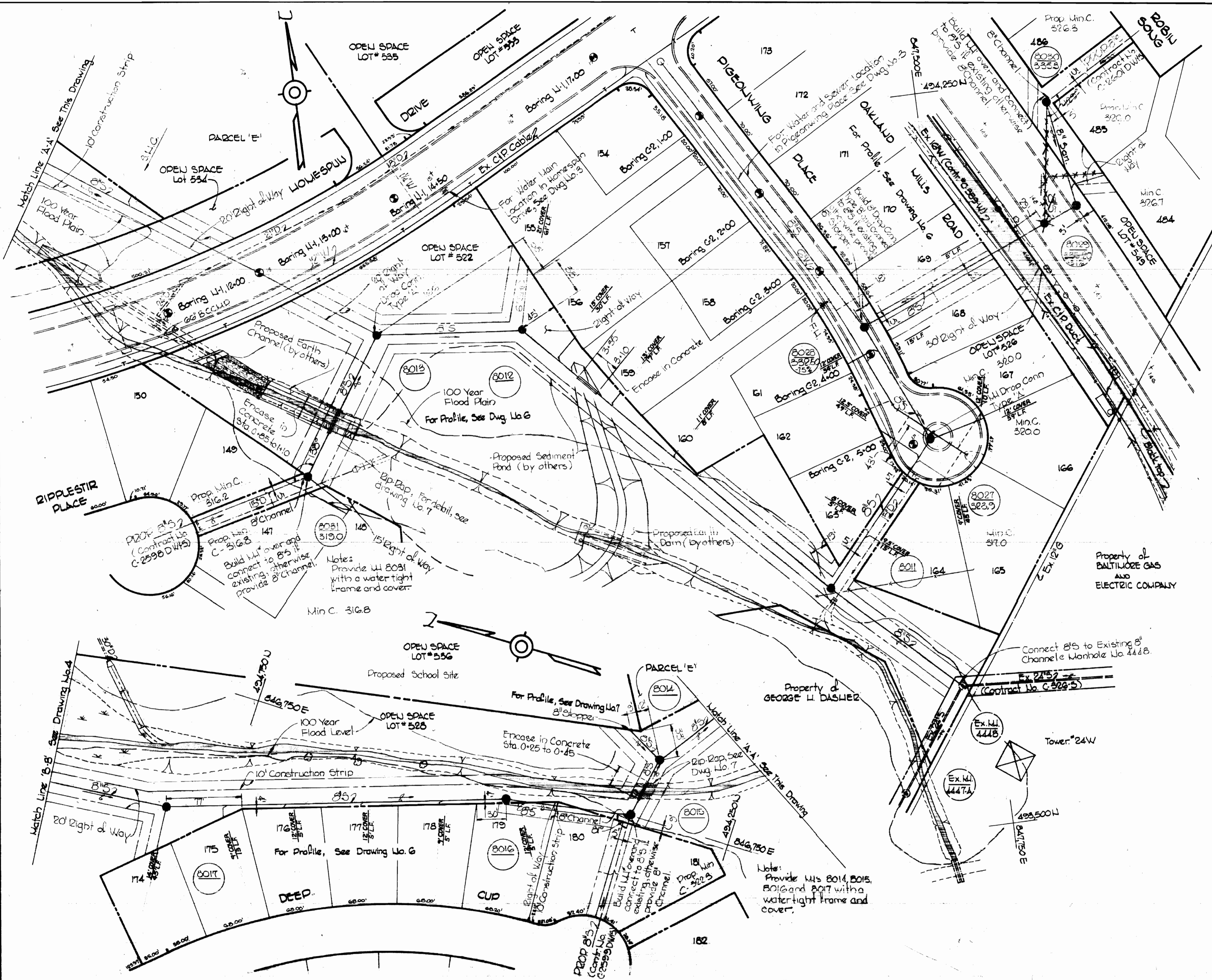
NOTE:
The Contractor shall notify the C&P Telephone Co. of Maryland prior to any construction activities in vicinity of the telephone cables by calling collect 393-3553, in Baltimore, Maryland.

W.R.1A.B.W.#89 Elev. 305.06
Galvanized Boat Spike in base of G.I.E. Pole #326.495, west side of Oakland Mills Road, 120' north of existing bridge.



Harriet M. Milrod
REGISTERED PROFESSIONAL ENGINEER

Village of Owen Brown
Section 4, Area 1
Contract No. C-2602-D-WBS



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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
5-1-74
DATE
W.O. Pullard
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. C-2602-D-WBS

PLAN OF WATER AND SEWER MAINS

COLUMBIA VILLAGE OF OWEN BROWN
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 7	SCALE 1" = 50'
OF 7	

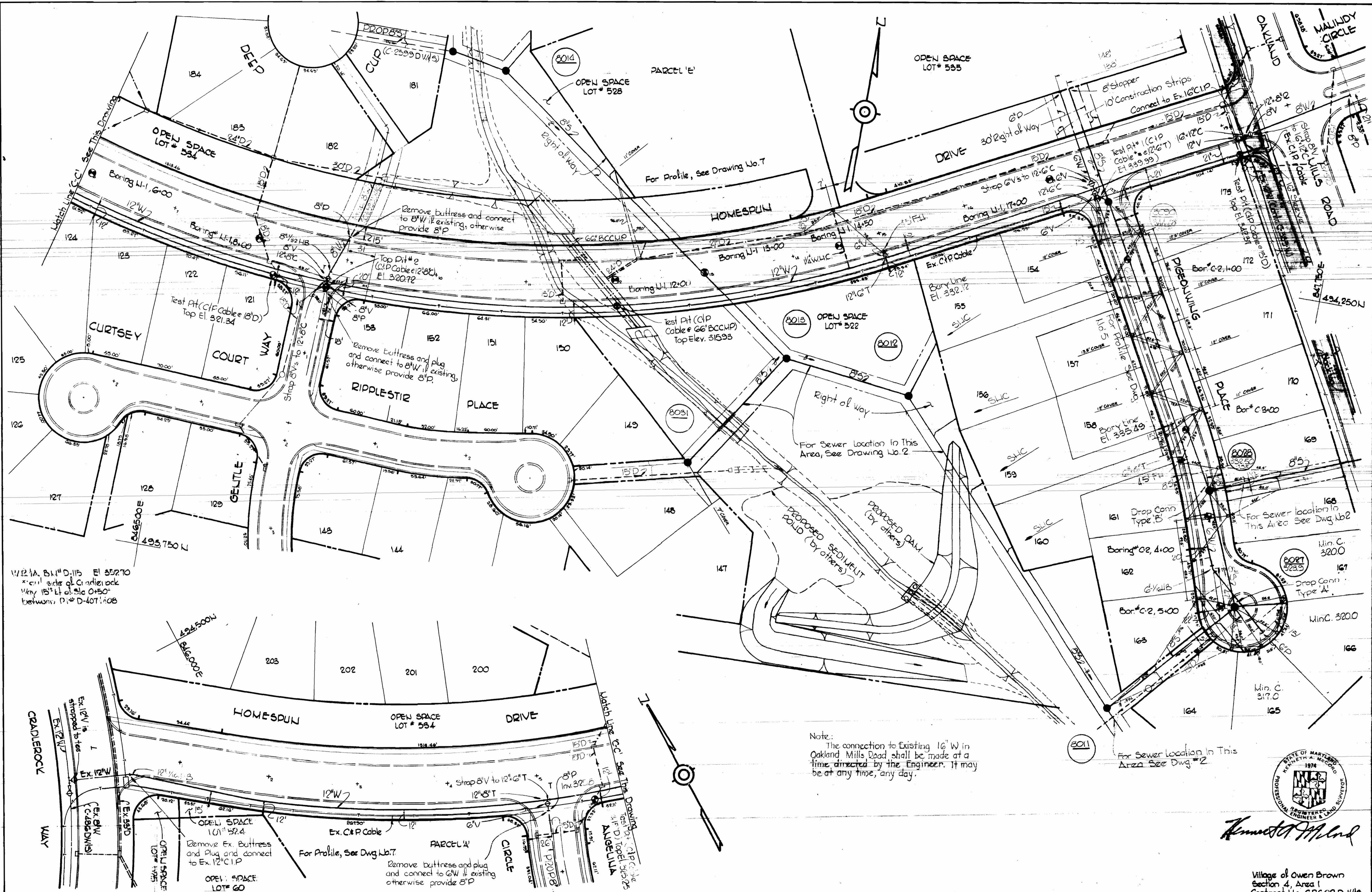
W. O. 6657-2

A9-BUILT April 21, 1975

18" 4522-4553 4700-4680 5489-5530
APRIL 22, 1974

WS 602 WS S/2

DRAWING 44510 1832



Note:
 The connection to Existing 16" W in Oakland Mills Road shall be made at a time directed by the Engineer. It may be at any time, any day.

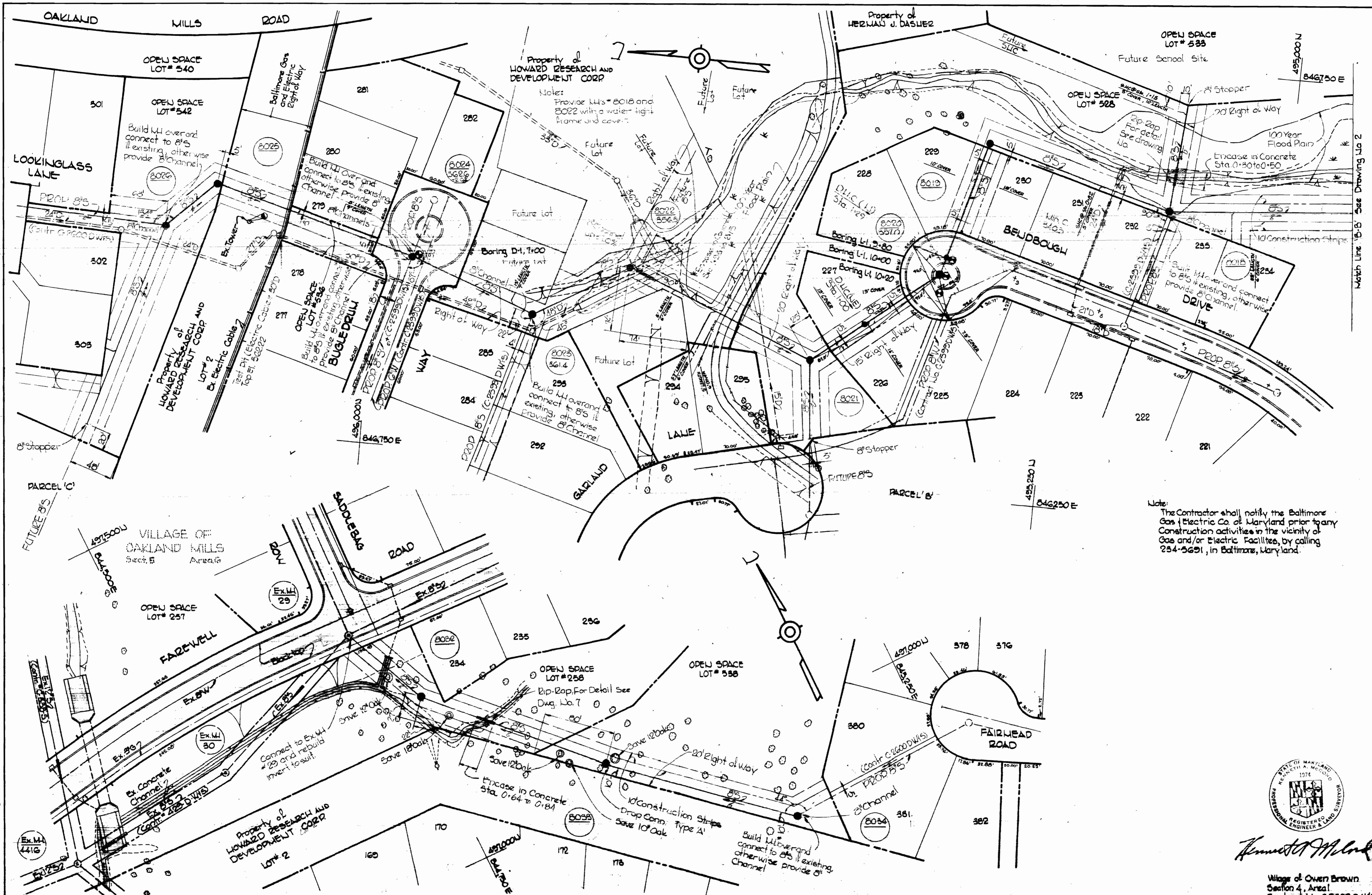


Kenneth A. McCord

Village of Owen Brown
 Section 4, Area 1
 Contract No. C2602D-W15

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 5-1-74 W. O. Whitman CHIEF, BUREAU OF ENGINEERING	CONTRACT NO. C2602D-W15	PLAN OF WATER AND SEWER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6	DRAWING SCALE 48x-238 NO. 3 OF 7 1" = 50' 17-4 18-2
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WS 602 WB 5/3



WS 602 W.S.M./H

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
5-1-74
W.O. Pullert
CHIEF-BUREAU OF ENGINEERING

CONTRACT NO. 01602 D-WSS

PLAN OF
WATER AND SEWER MAINS

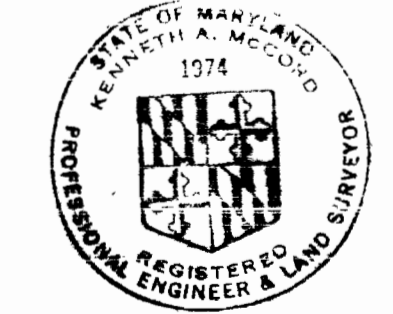
COLUMBIA
VILLAGE OF OWEN BROWN
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 4 OF 7
SCALE 1" = 50'

W.O. 68512

AS-BUILT April 21, 1975

APRIL 22, 1974

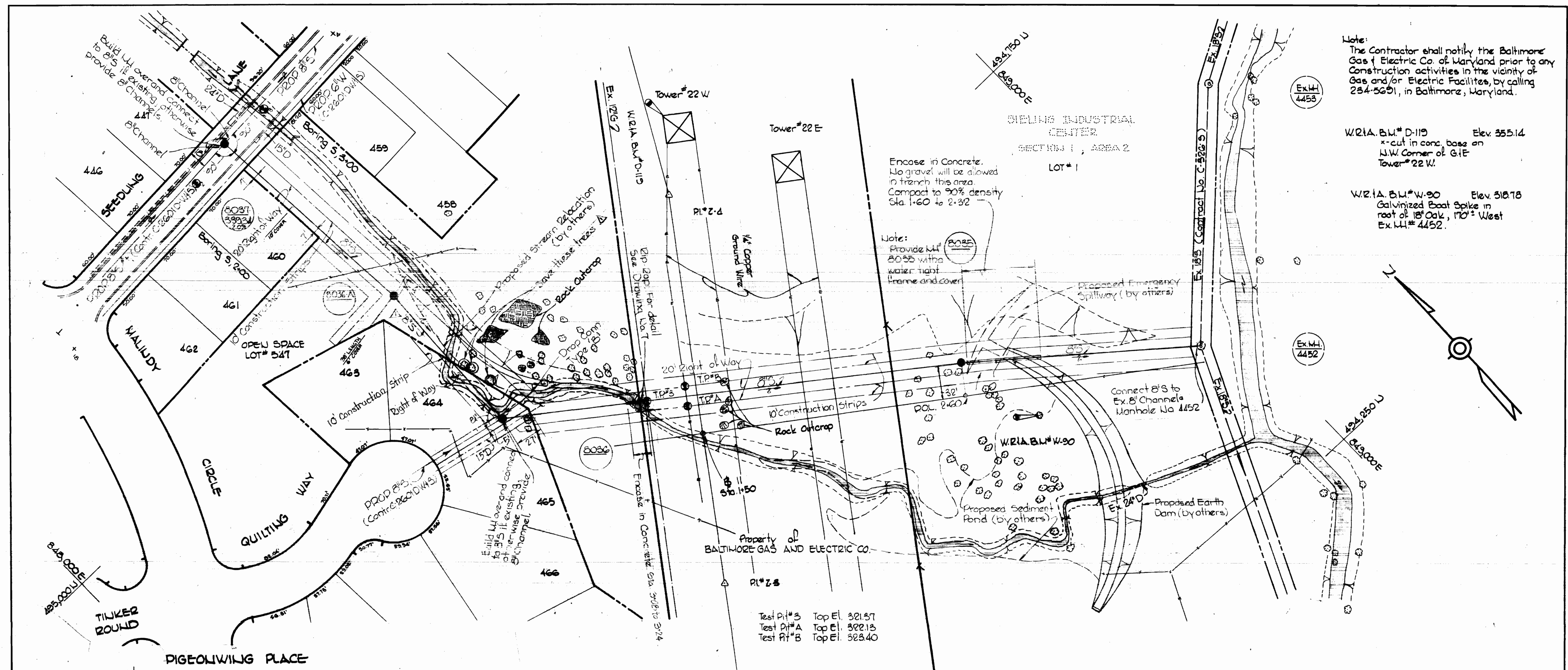


James M. Milrod
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR

Note:
The Contractor shall notify the Baltimore Gas & Electric Co. of Maryland prior to any construction activities in the vicinity of Gas and/or Electric Facilities, by calling 284-5291, in Baltimore, Maryland.

W.R.I.A. B.U.# D-119 Elev. 355.14
x-cut in conc. base on N.W. Corner of G.I.E Tower #22 W.

W.R.I.A. B.U.# W-90 Elev. 318.78
Galvanized Boat Spike in root of 18" Oak, 170' West Ex. M.H.# 4452.

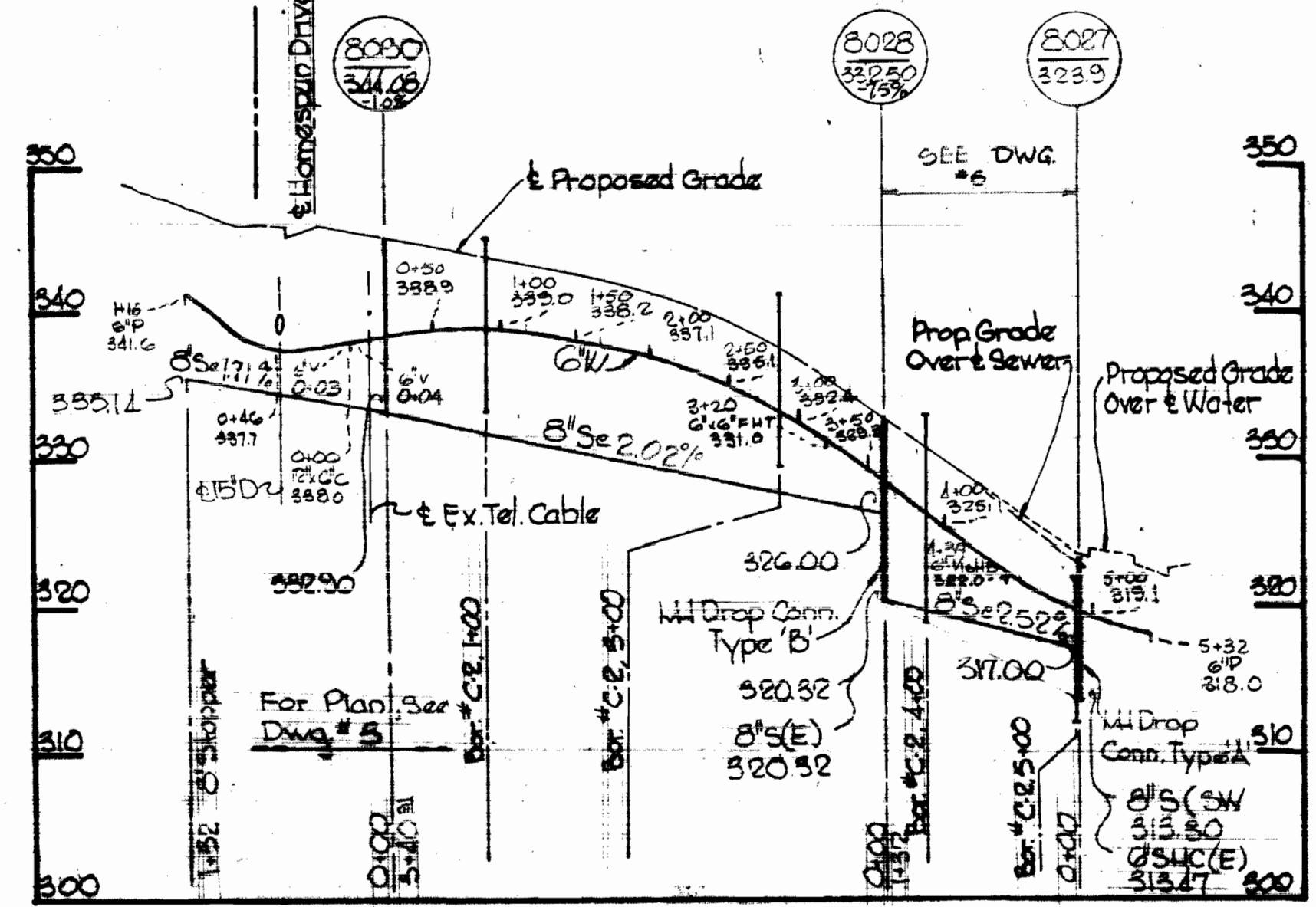


Encase in Concrete. No gravel will be allowed in trench in this area. Compact to 90% density Sta. 1+60 to 2+32

Note: Provide M.I. 8055 with water tight frame and cover

Test Pit #3 Top El. 321.57
Test Pit #A Top El. 322.13
Test Pit #B Top El. 323.40

PLAN
Scale: 1"=50'



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



Kenneth M. Lord

Δ	G-2074	MH # 8036-A Added	MS Alignment Changed
No.	DATE	REVISION	

Village of Owen Brown
Section 4, Area 1
Contract No. C-2602-D-W-6

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
5-1-74
DATE

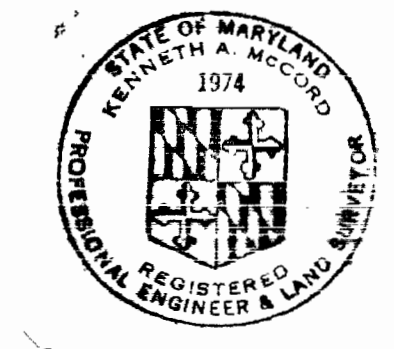
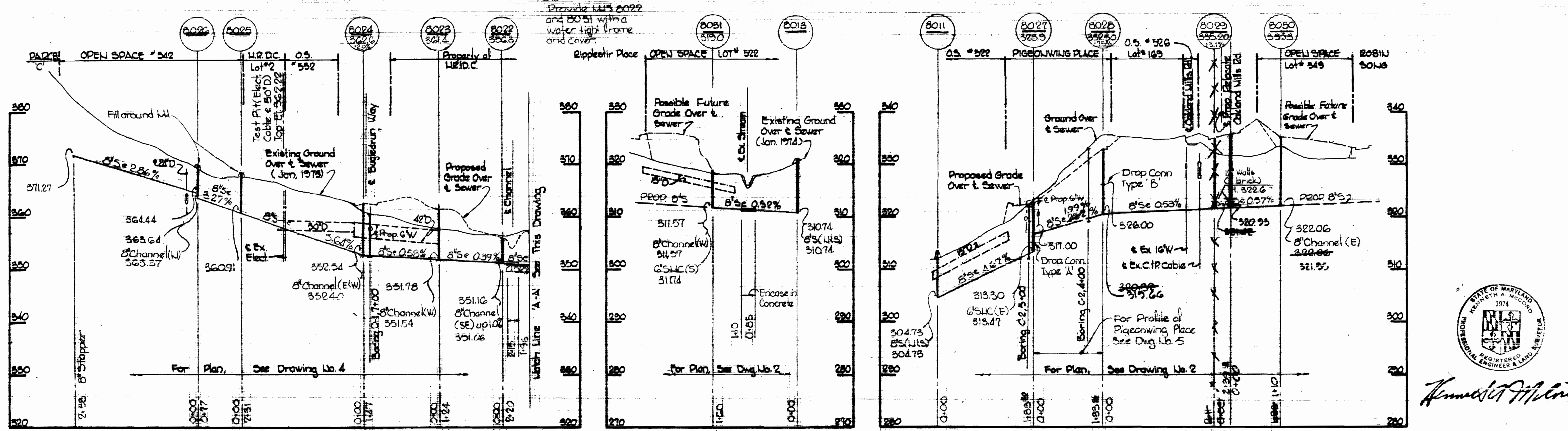
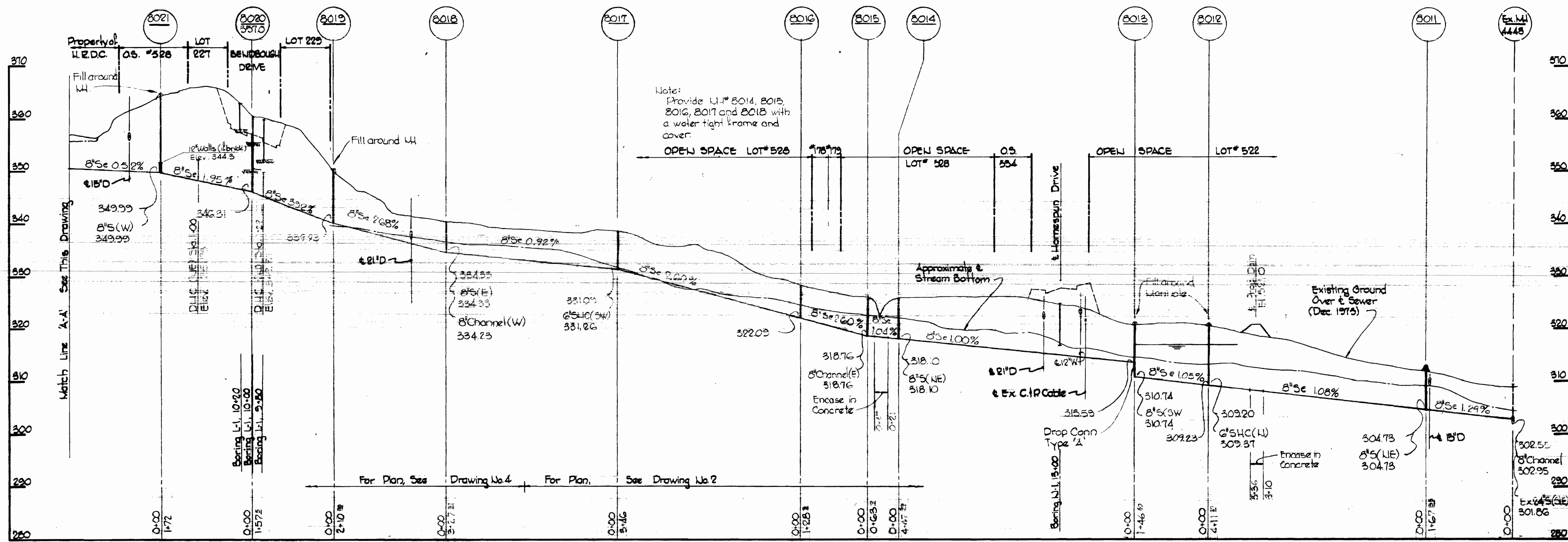
W.D. Gilbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. C-2602-D-W-6

PLAN AND PROFILE OF
WATER AND SEWER MAINS

COLUMBIA
VILLAGE OF OWEN BROWN
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 5
OF 7
SCALE AS SHOWN



Kenneth A. McInd

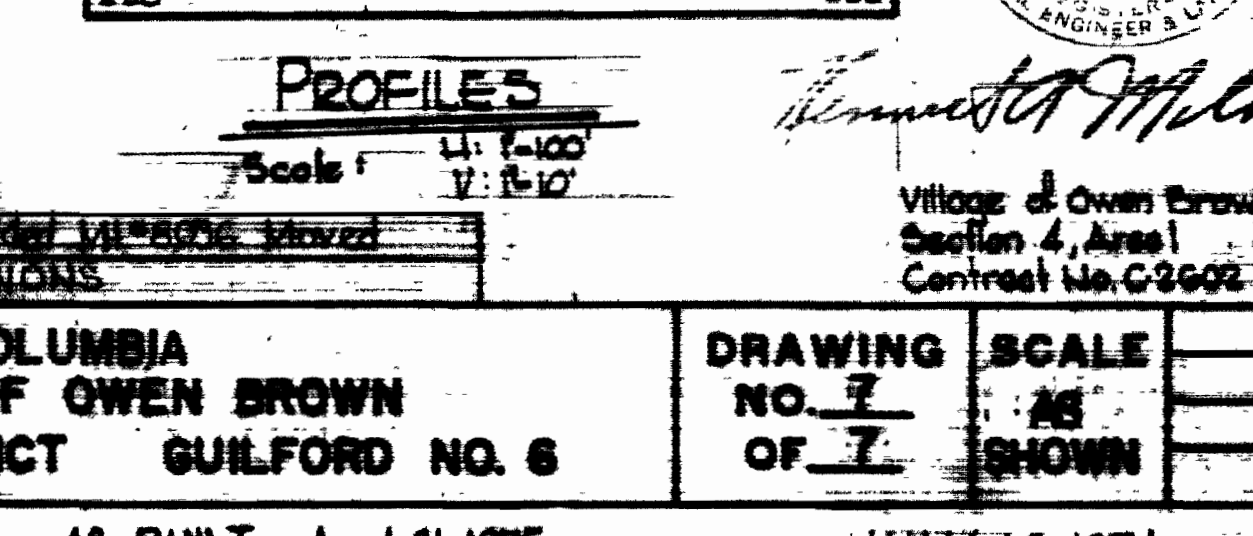
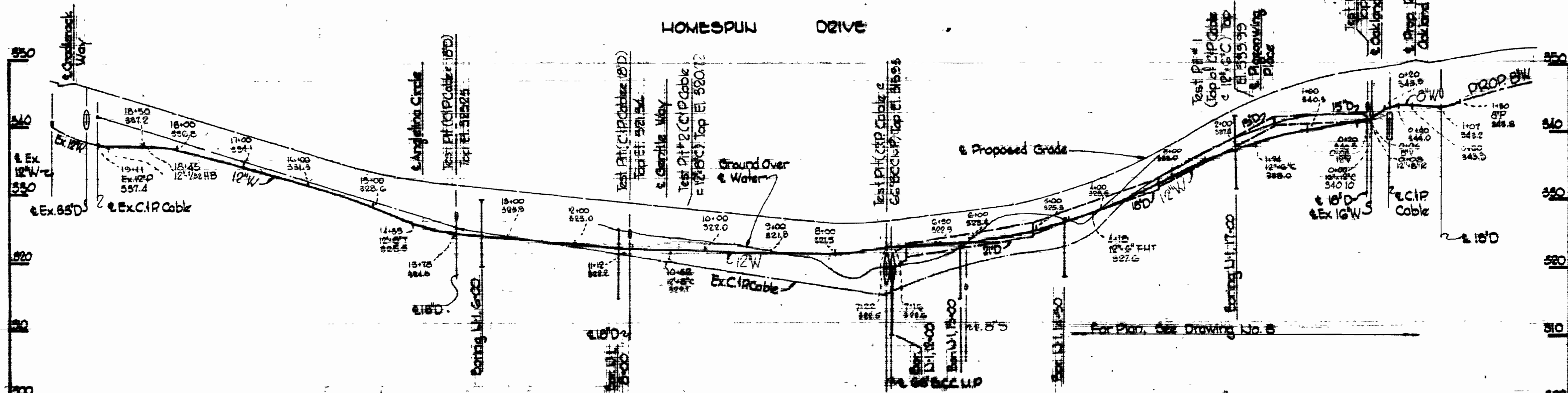
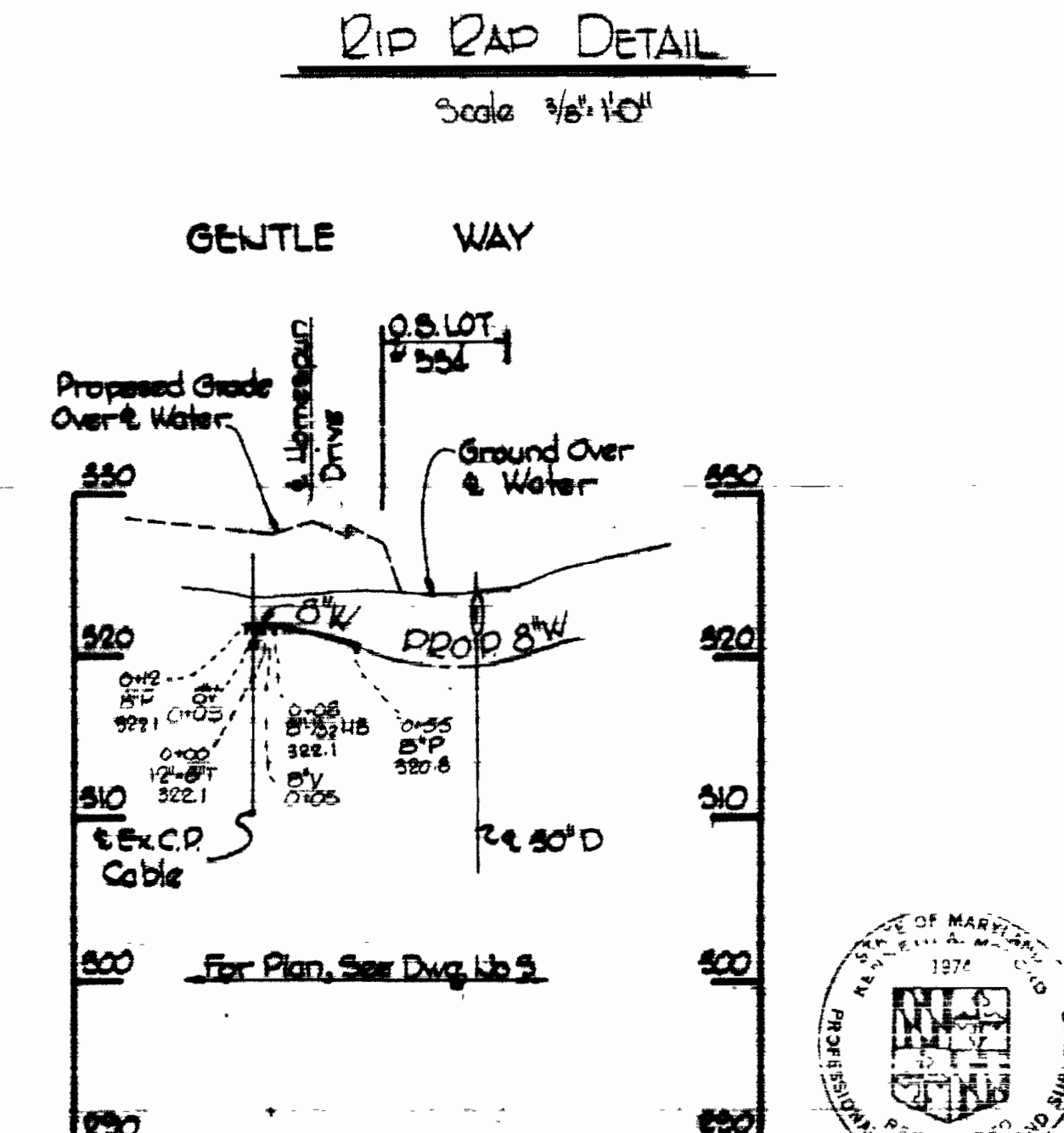
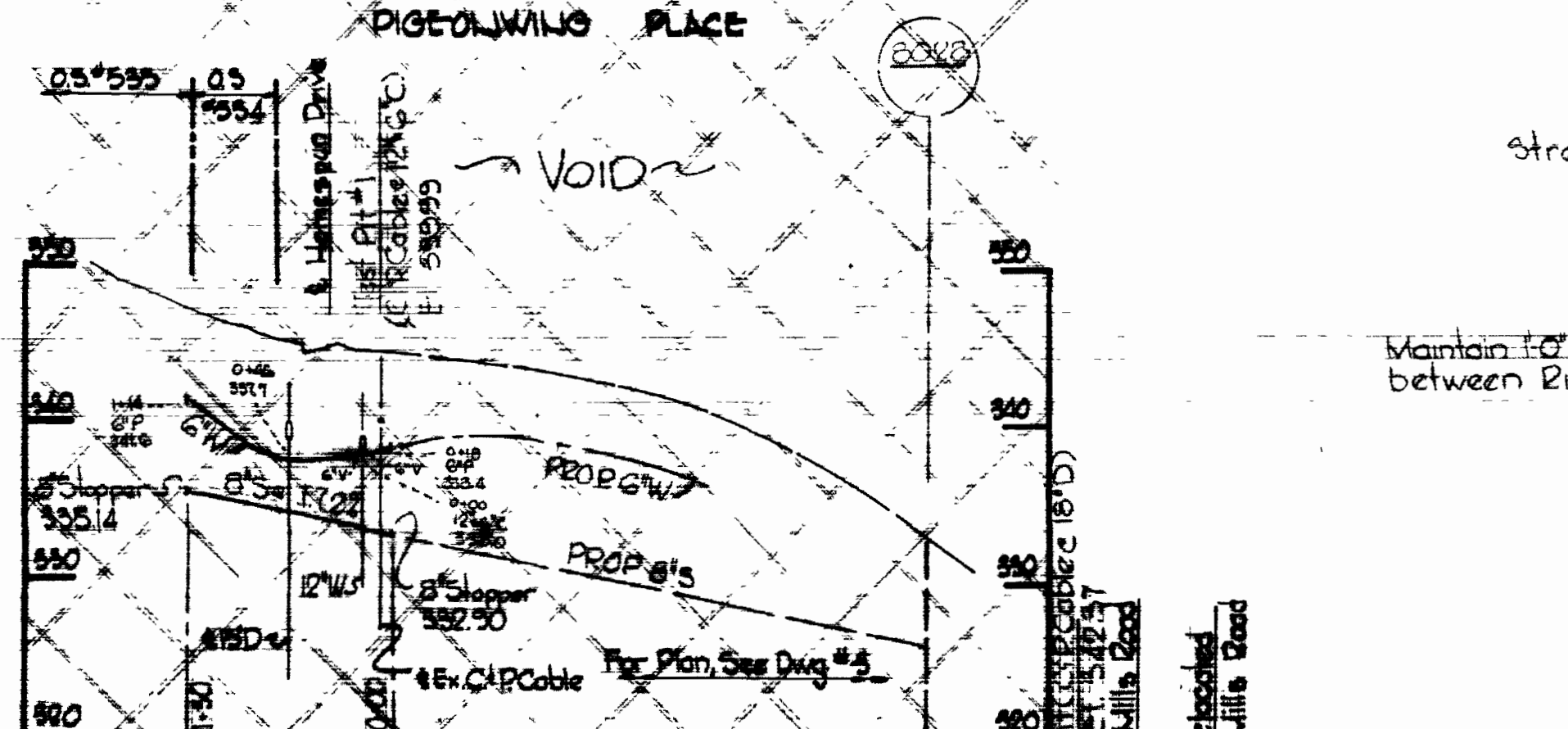
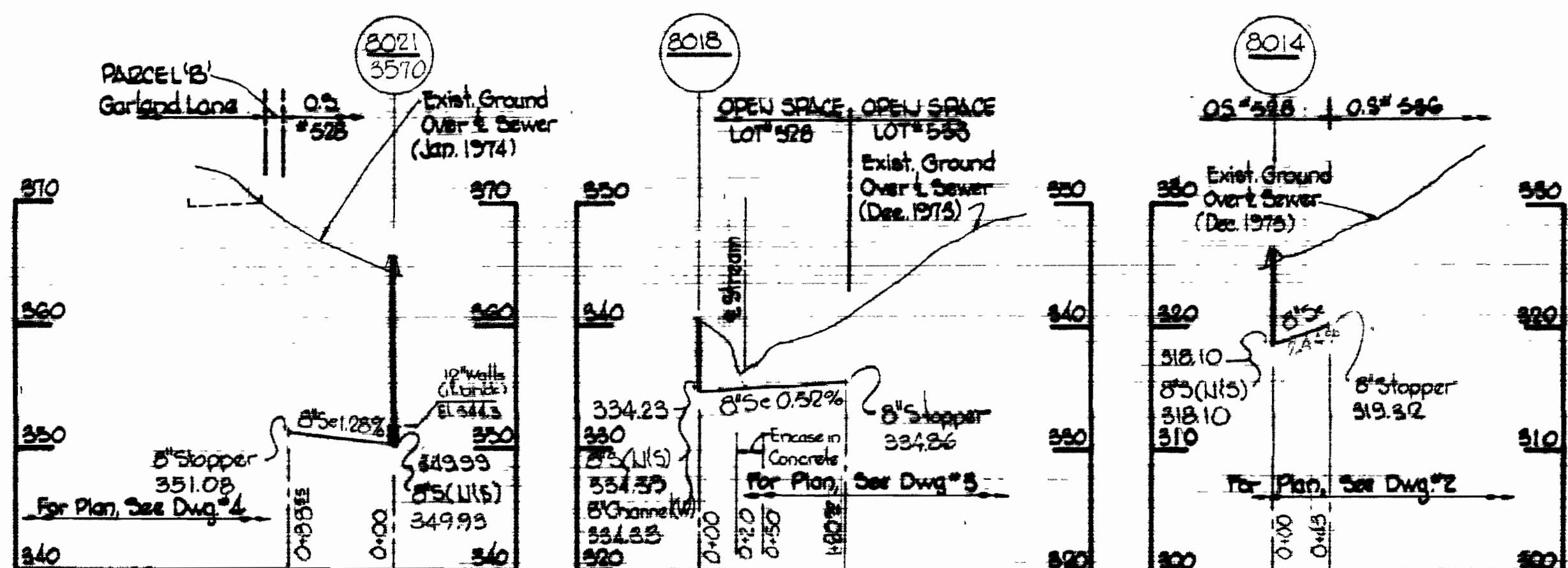
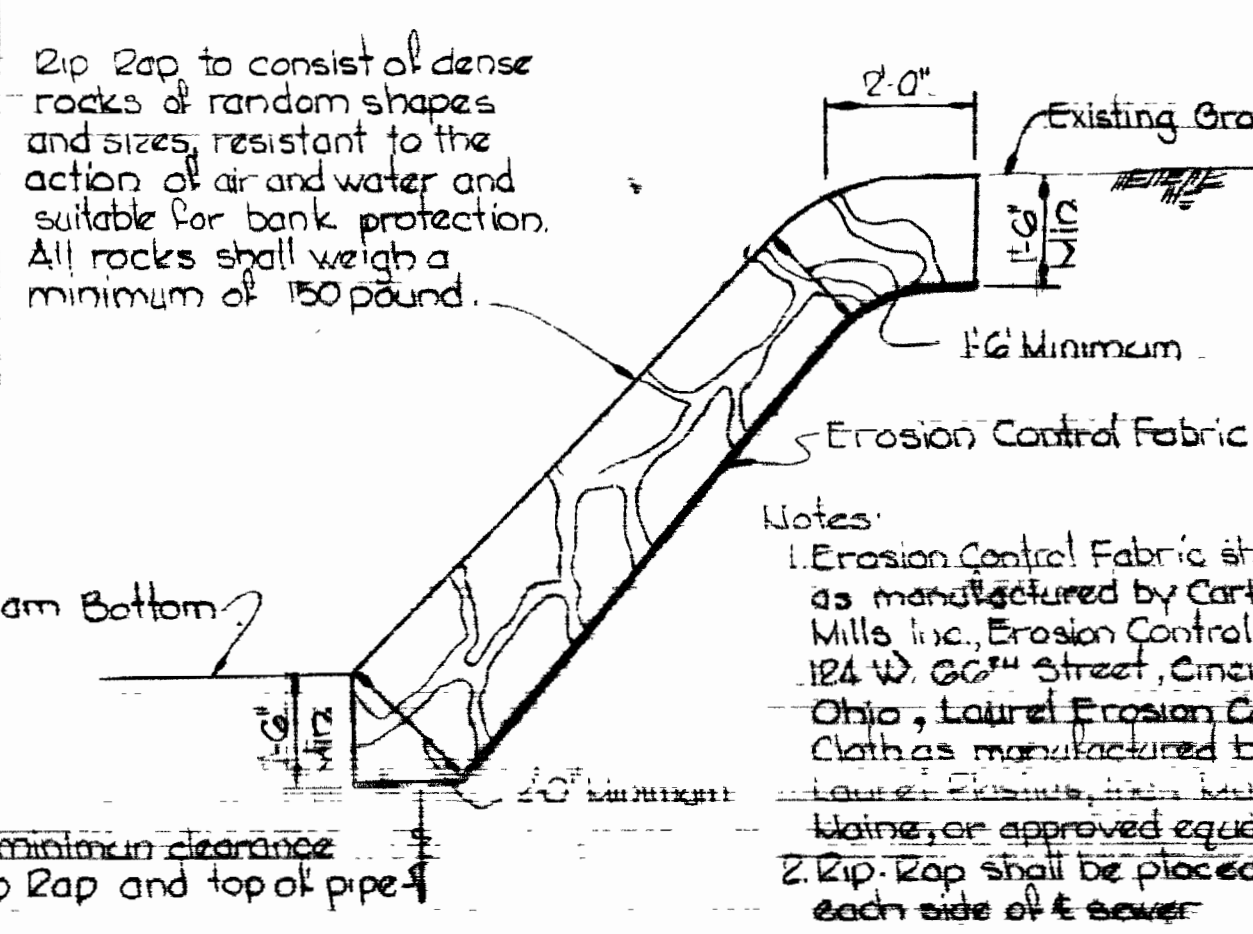
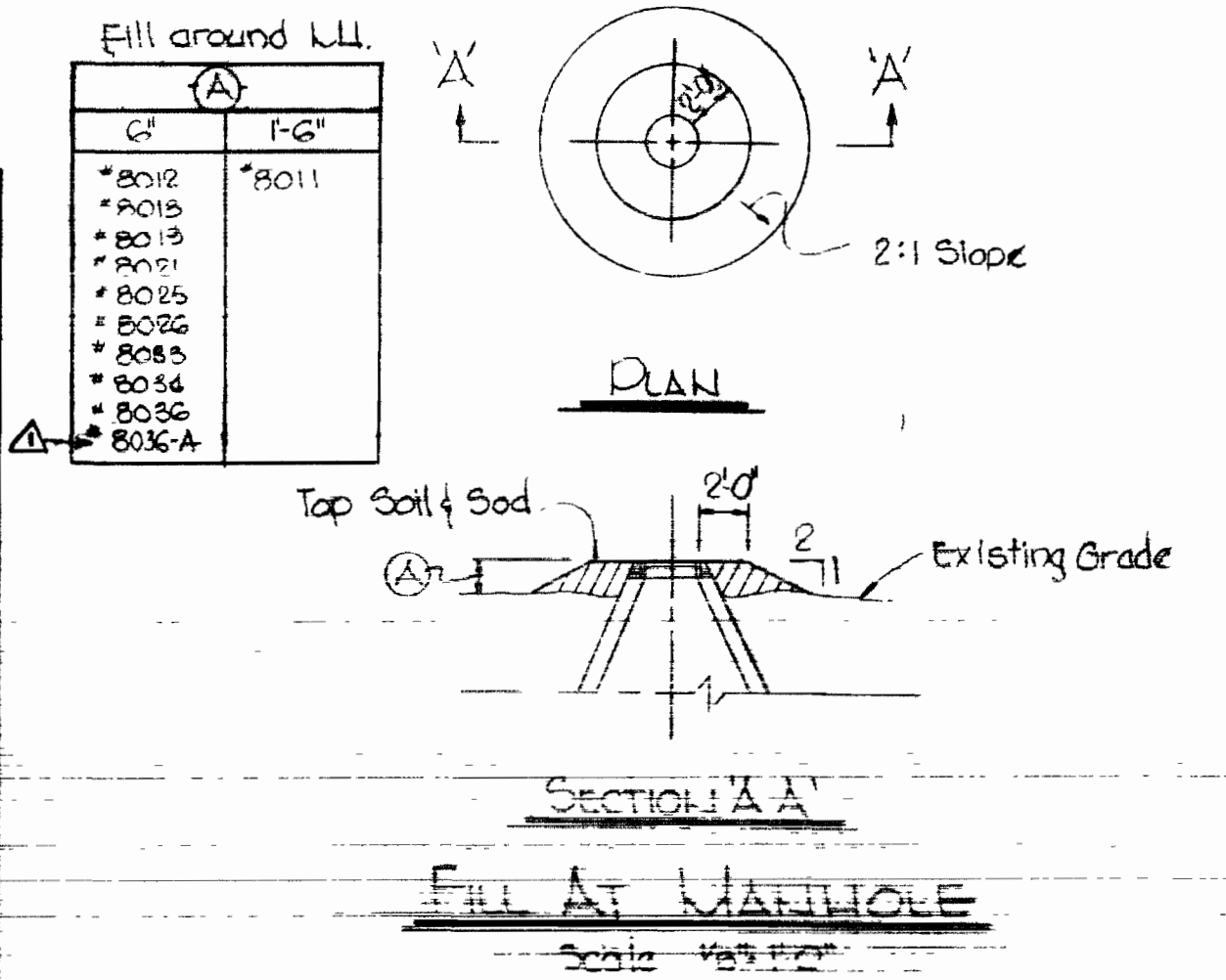
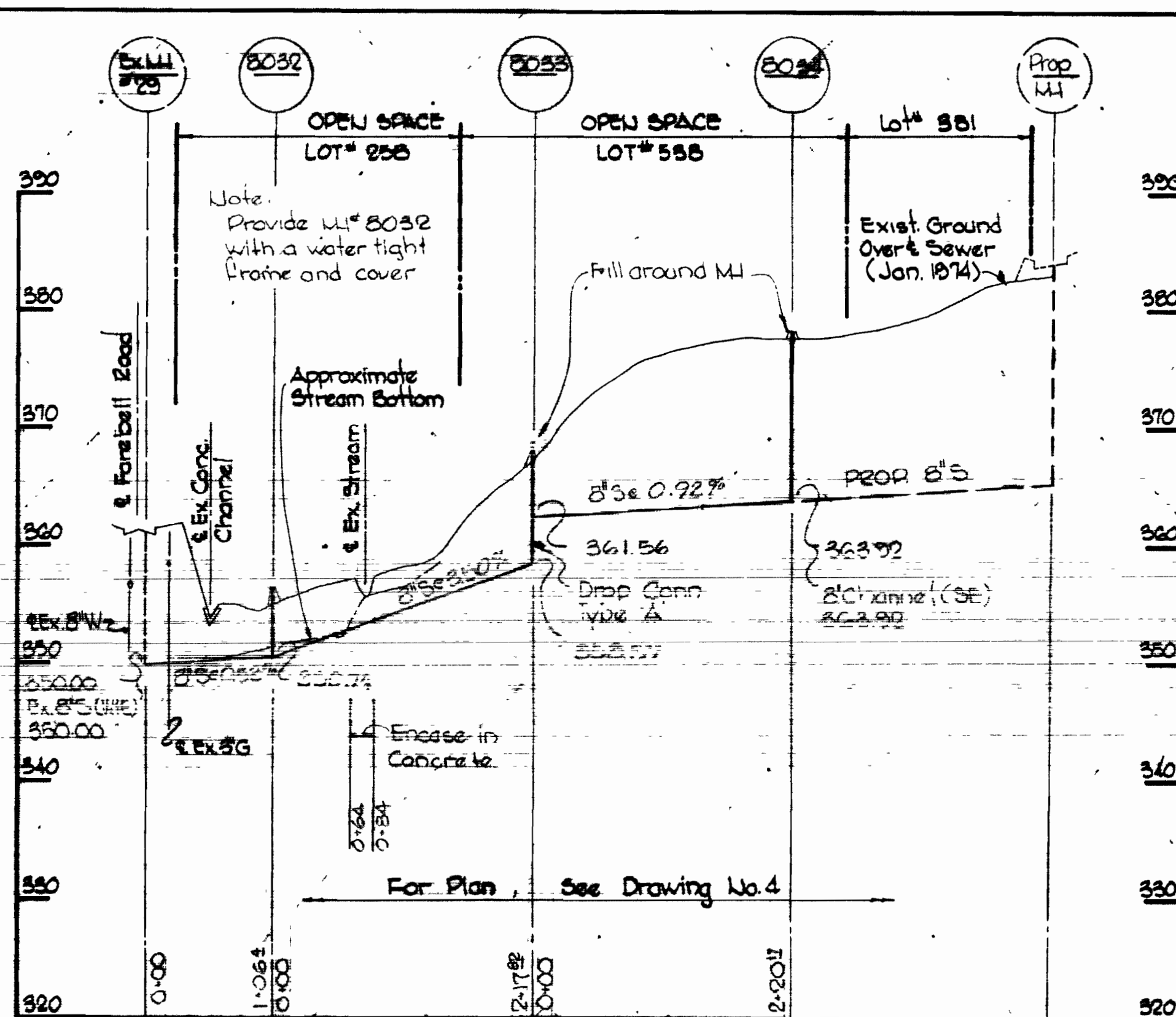
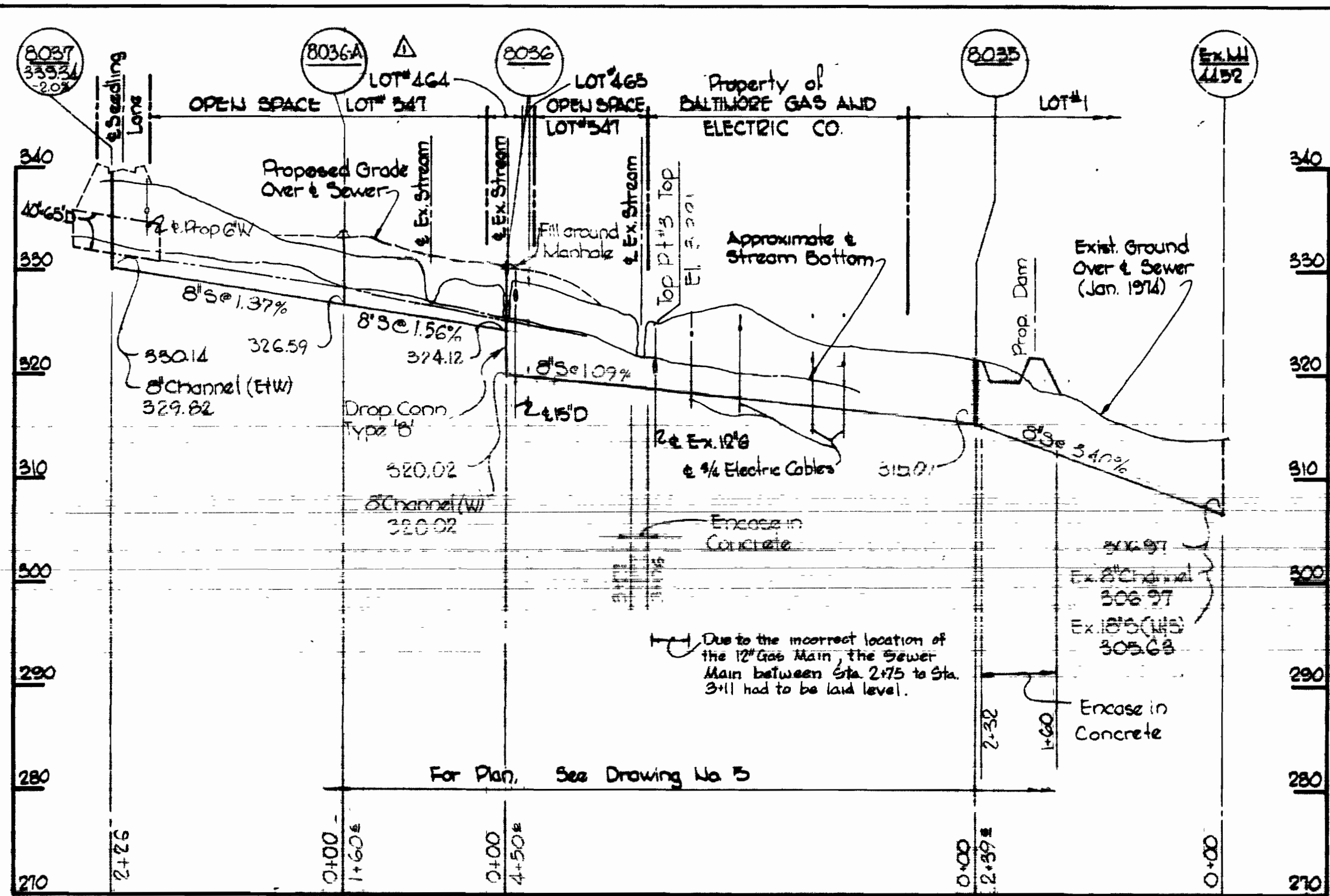
Village of Owen Brown
Section 4, Area 1
Contract No. C-2802-1975

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 5-1-74 <i>W. O. Felber</i> CHIEF, BUREAU OF ENGINEERING	CONTRACT NO. C-2802-1975	PROFILES OF WATER AND SEWER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. <u>B</u>	SCALE <u>N=1"=100'</u>
					OF <u>7</u>	<u>V=1"=10'</u>

W. O. 0251-2

AS-BUILT April 21, 1975

APRIL 22, 1974



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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

5-1-74

W.O. Fallick

SEWER ENGINEER

CONTRACT NO. 8022-100

PROFILES AND DETAILS OF
WATER AND SEWER MAINS

COLUMBIA
VILLAGE OF OWEN BROWN
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 7
OF 7
SCALE AS SHOWN

W. O. 6857-2

AS-BUILT April 21, 1975

JULY 16, 1974

