

CONTRACT C-2534 DW 8 S
VILLAGE OF OWEN BROWN
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

QUANTITIES	
ITEM	QUANTITY
8" Sewer	2800 LF
8" Water	4020 LF
6" Water	4330 LF
Fire Hydrant	11

Note:
 Sewer House Connections to Lots # 01, 00, 07, 08, 09, 110 and School Site Lot #025 will be constructed under Contract No. C-2533-S.

Note:
 Auger Borings were made by the American Testing and Engineering Company for the Howard Research and Development Corporation in January, 1973. Information relative to refusal on auger are shown. Complete logs are available at the Howard County Department of Public Works.



Kenneth A. McCord

Village of Owen Brown
 Part of 3
 Section 2, Area 5
 Contract No. C-2534 DW 8 S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 5-22-73 <i>W. O. Falbert</i> CHIEF - BUREAU OF WATER AND SEWER	CONTRACT NO. C-2534 DW/S LOCATION MAP OF WATER & SEWER MAIN EXTENSIONS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD No. 6 DRAWING NO. 1 OF 7 SCALE 1" = 800'
--	--	---	---

W. O. 6758-2

AS-BUILT 4-5-74

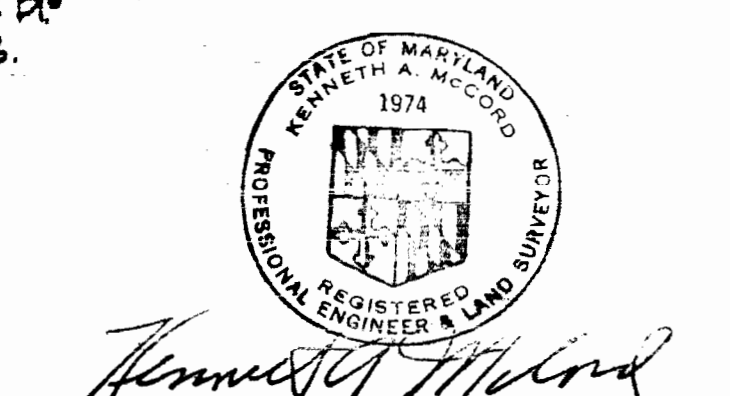
MAY 22, 1973

WS 534 W&S/1

DRAWING 45310 14778

For General Note, See Drawing No. 7
 Property of
 Baltimore Gas and Electric Co.

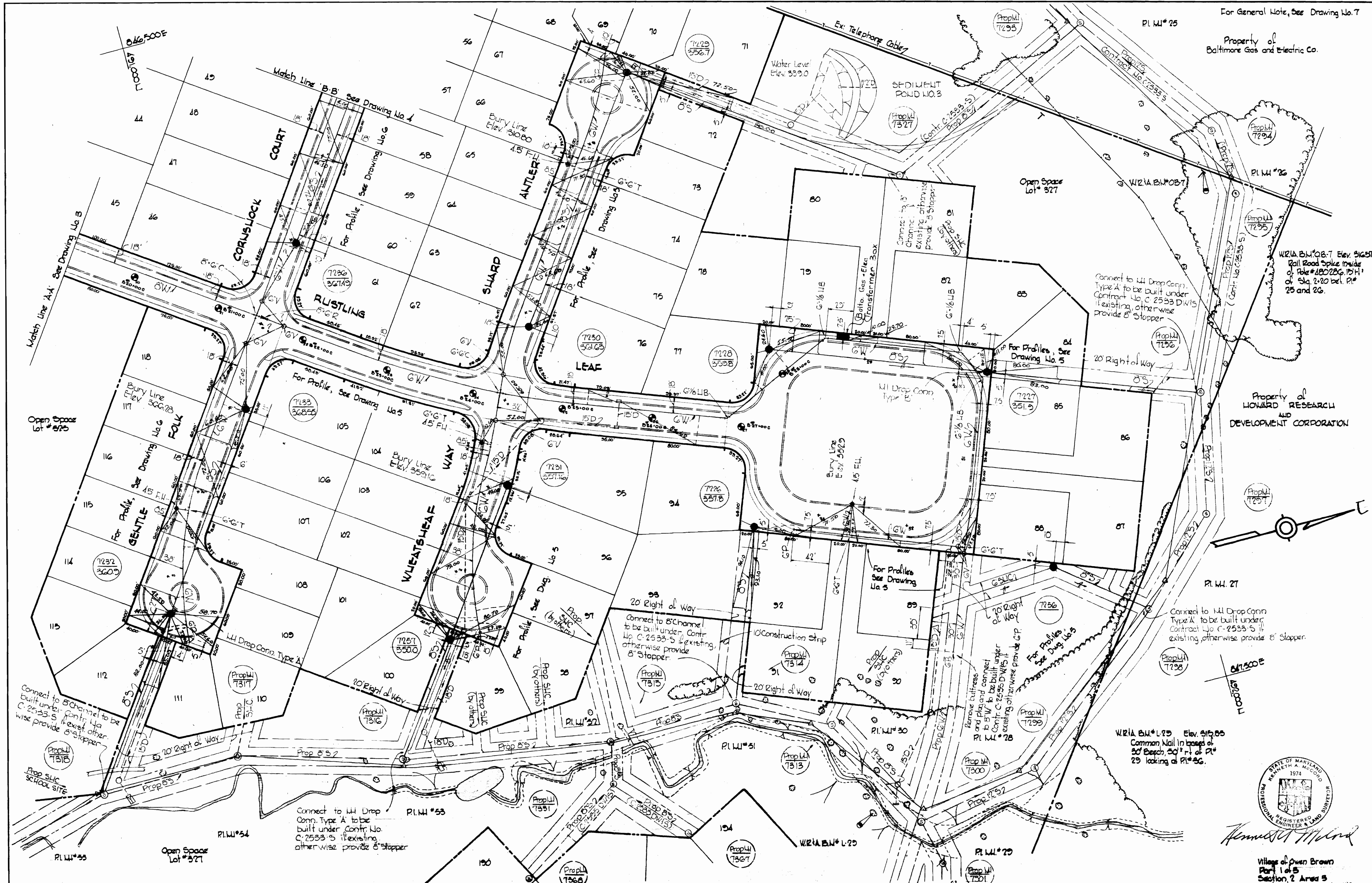
Property of
 HOWARD RESEARCH
 AND
 DEVELOPMENT CORPORATION



Village of Owen Brown
 Part 1 of 5
 Section 2 Area 5
 Contract No. C-2534DW/S

DRAWING NO. 2 OF 7
 SCALE 1"=50'

FB# 5582, 5535, 5540, 5515
 MAY 22, 1975



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

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE 5-22-73
 W.D. Falbert
 CHIEF-BUREAU OF ENGINEERING

CONTRACT NO. C-2534DW/S

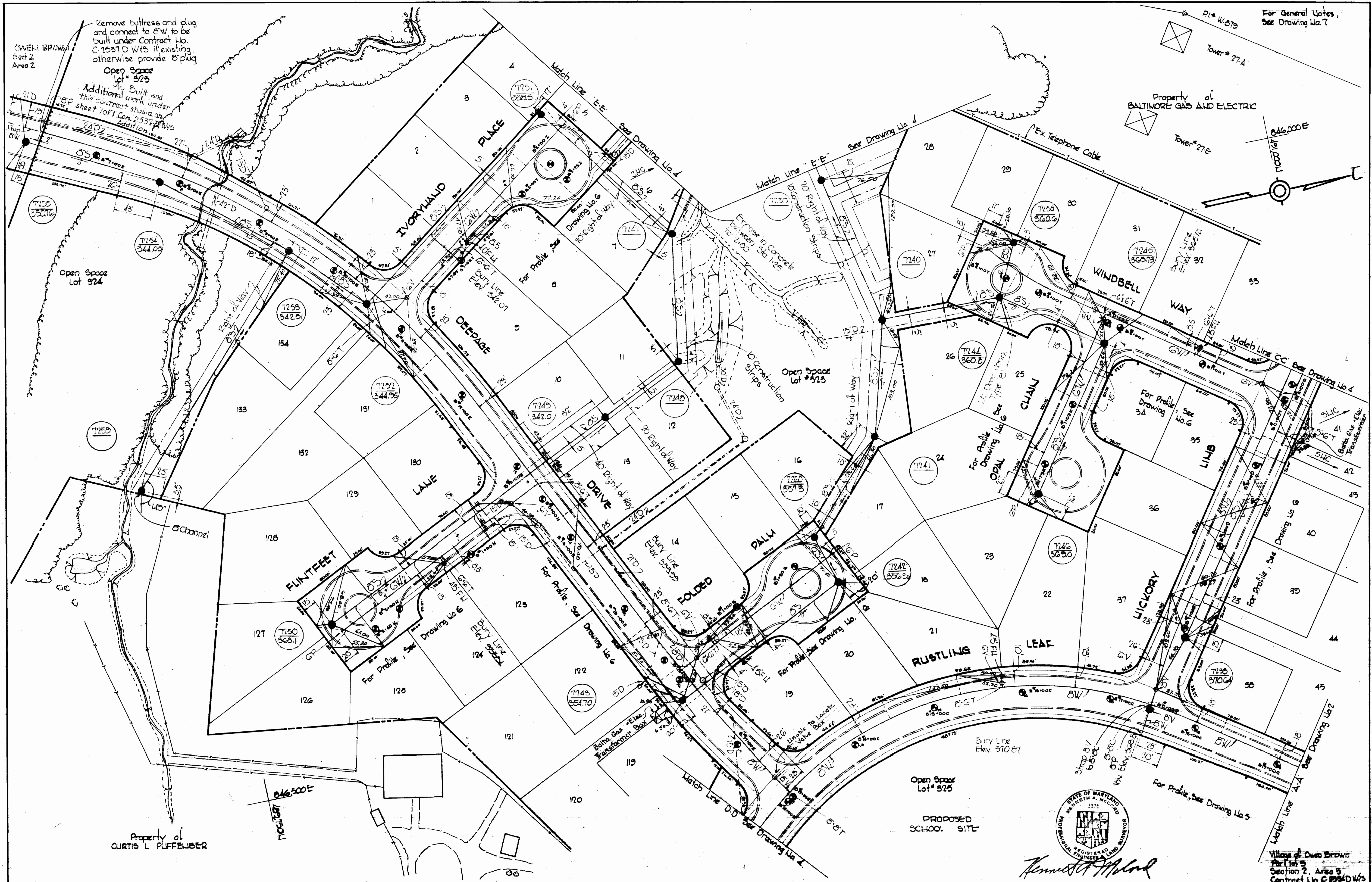
PLAN OF
 WATER & SEWER MAINS

COLUMBIA
 VILLAGE OF OWEN BROWN
 ELECTION DISTRICT GUILFORD NO. 6

W. O. 6758-2

WS 534 W15/2

BRUNING 44 510 1839Z



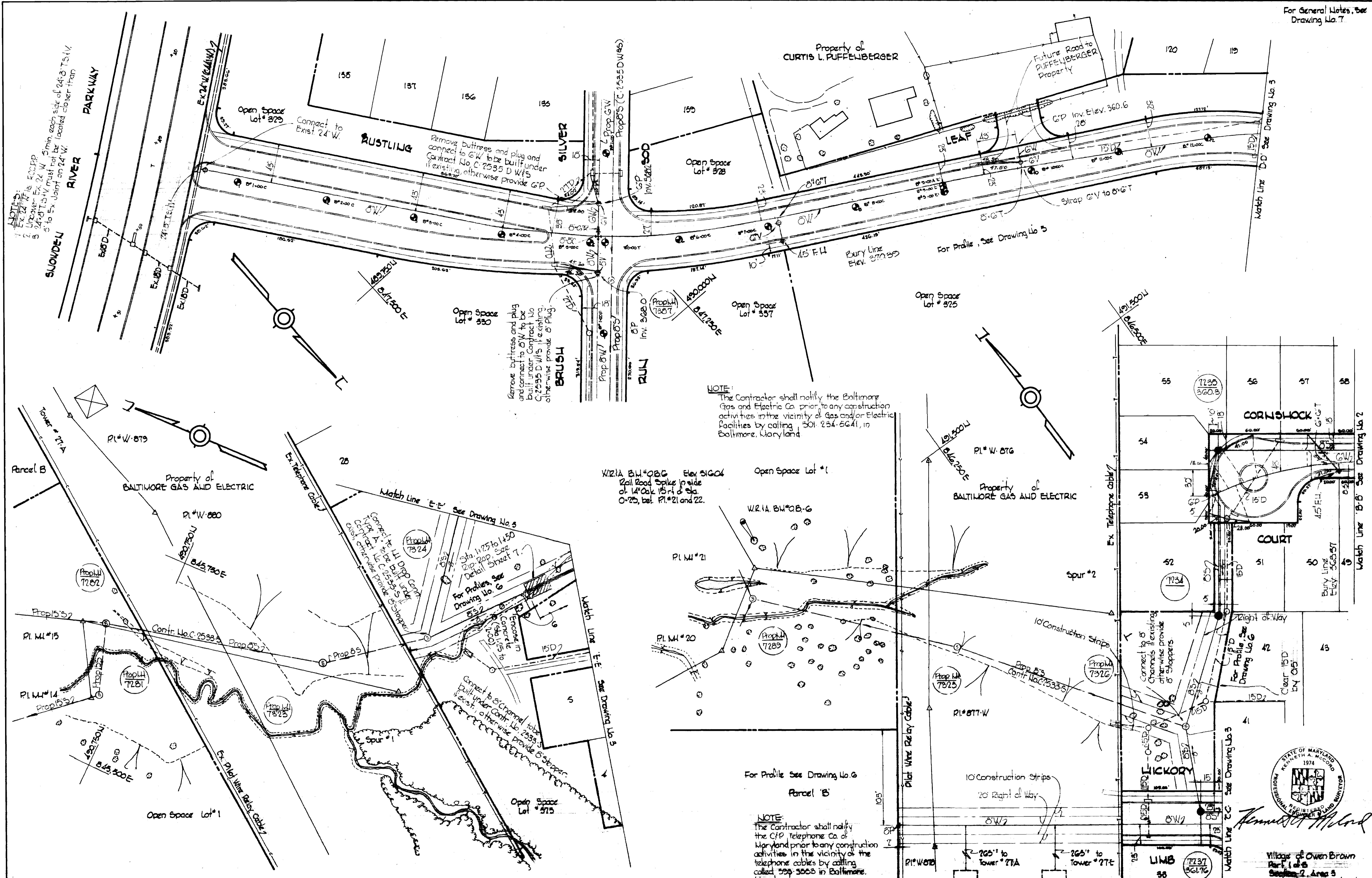
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 5-22-73 <i>W.O. Falbert</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. C-334DW85	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 3 OF 7 SCALE 1" = 50' MAY 22, 1973
---	---	------------------------	--------------------------------	---	--

W. O. 07582

WS 534 WDS/3

BRUNING 44 910 18392

For General Notes, See Drawing No. 7.



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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE 5-22-73
W. O. Fallent
CHIEF-BUREAU OF ENGINEERING

CONTRACT NO. C-1534DW/S

PLAN OF
WATER & SEWER MAINS

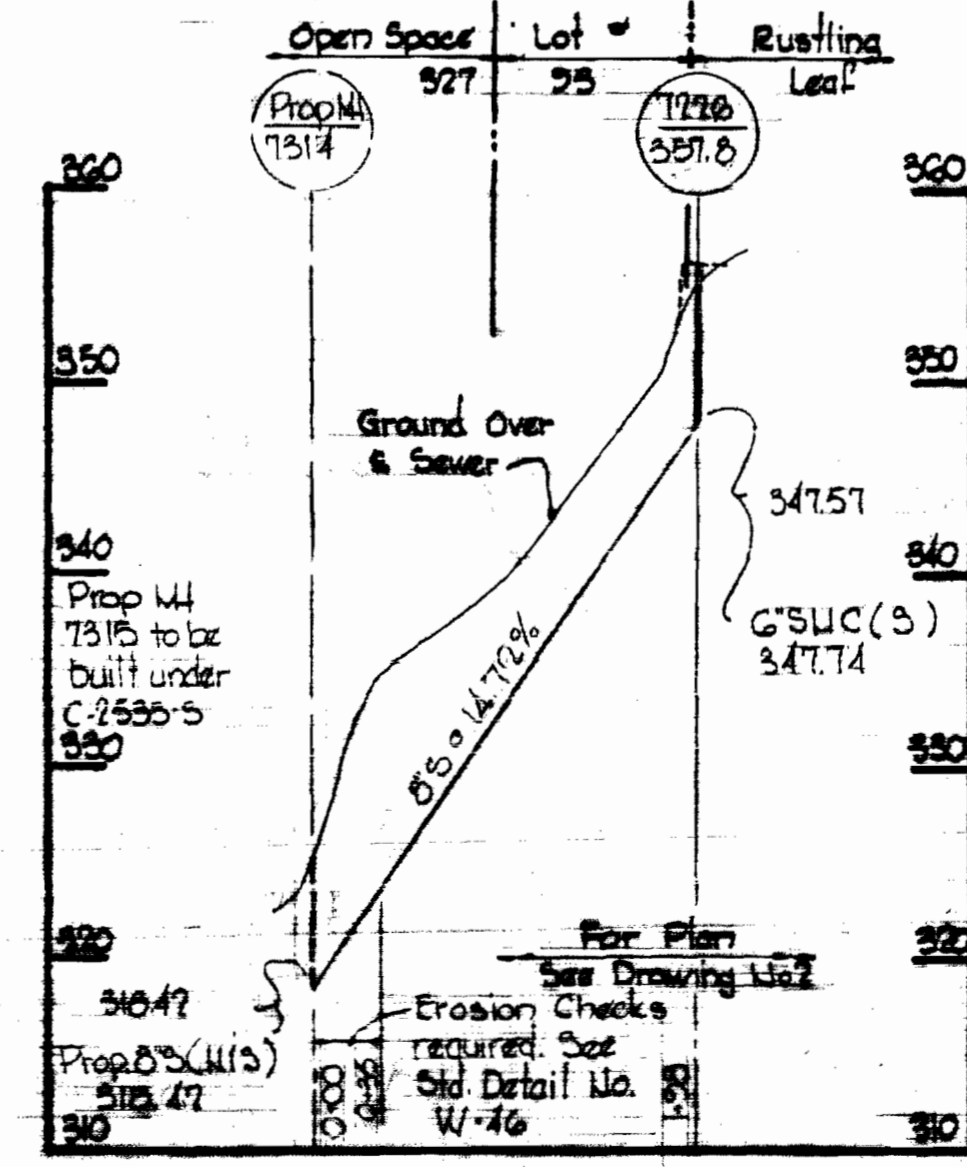
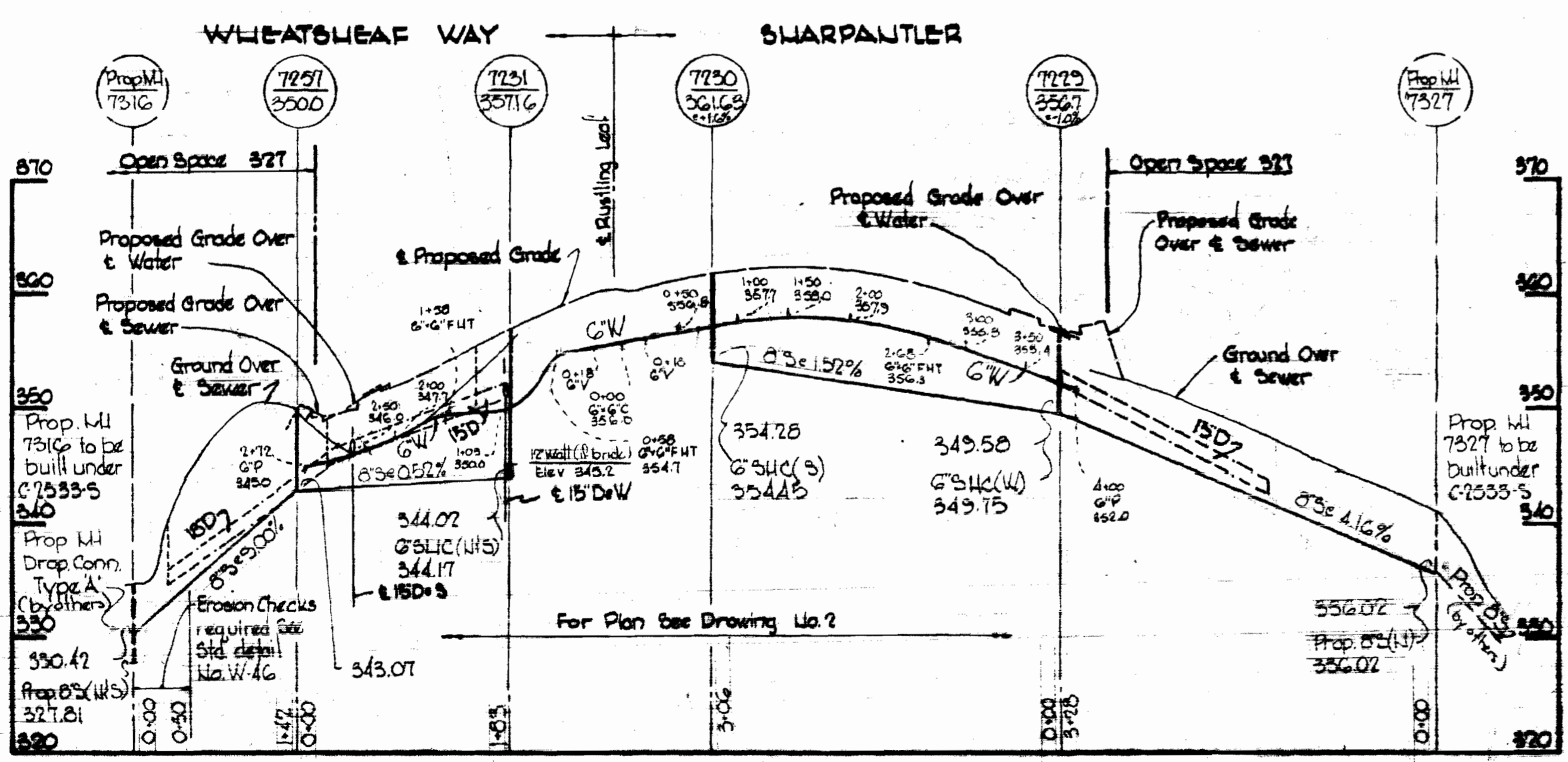
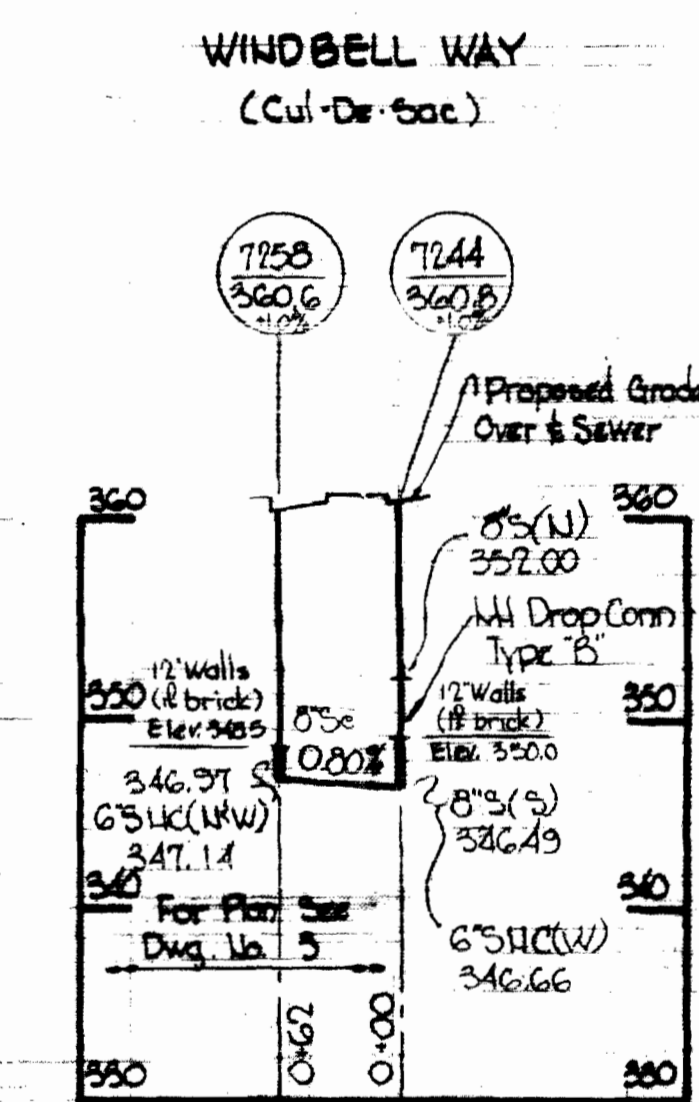
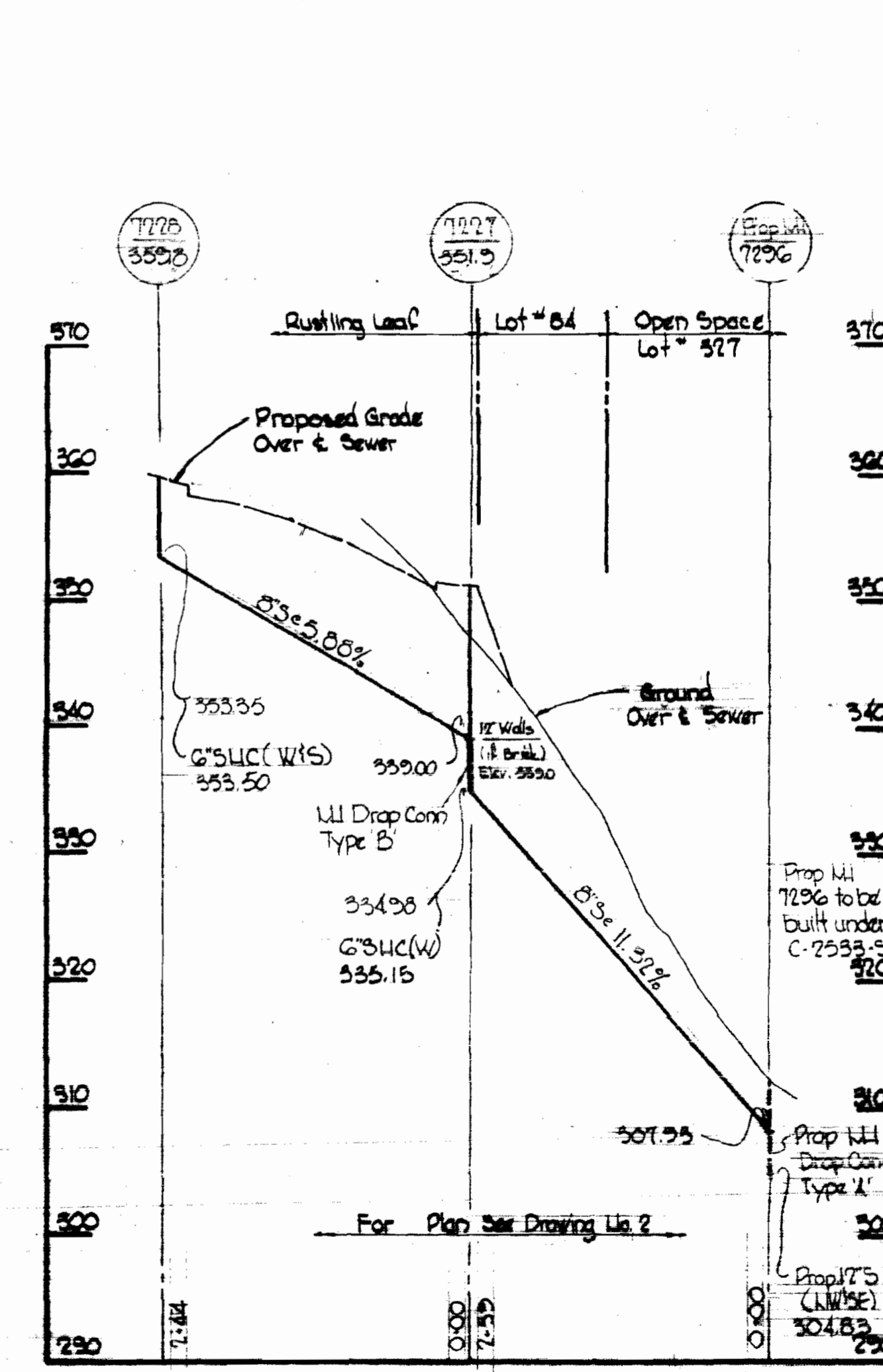
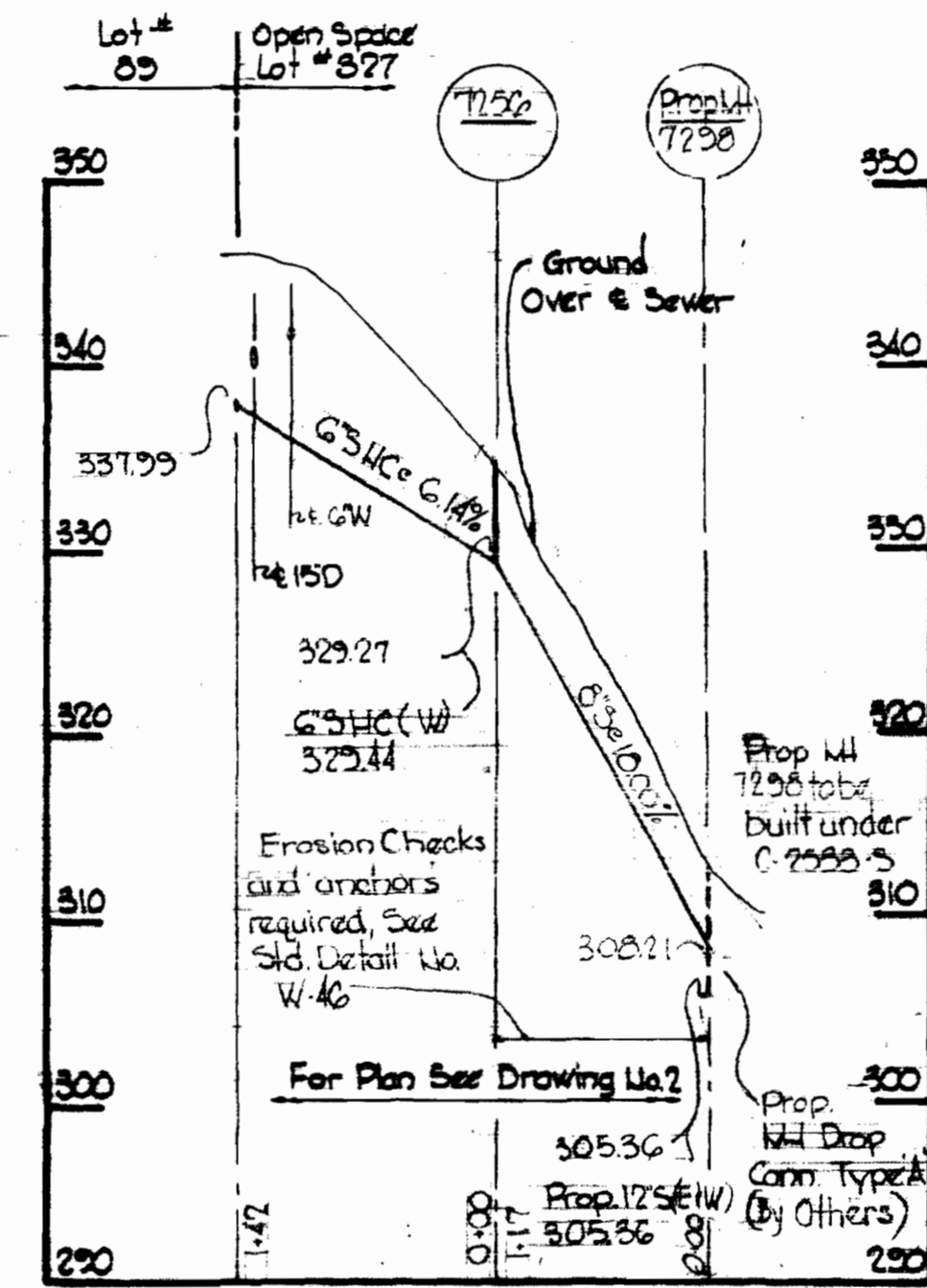
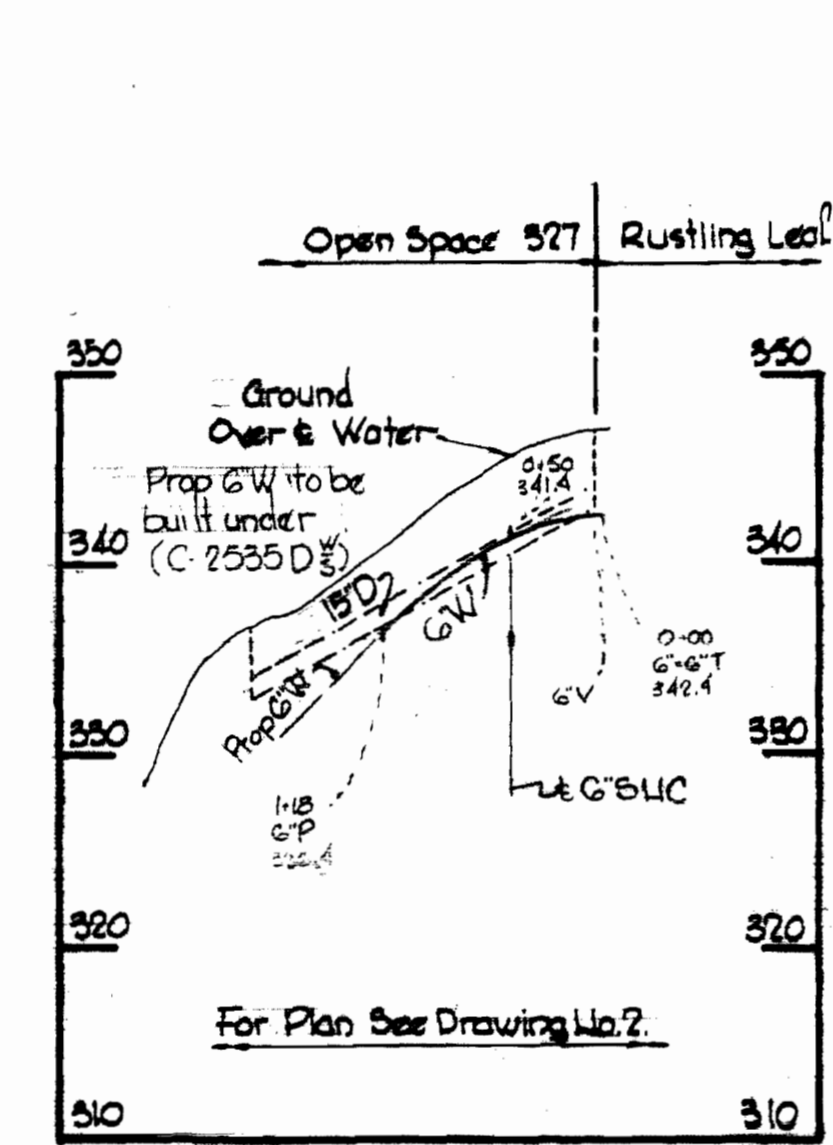
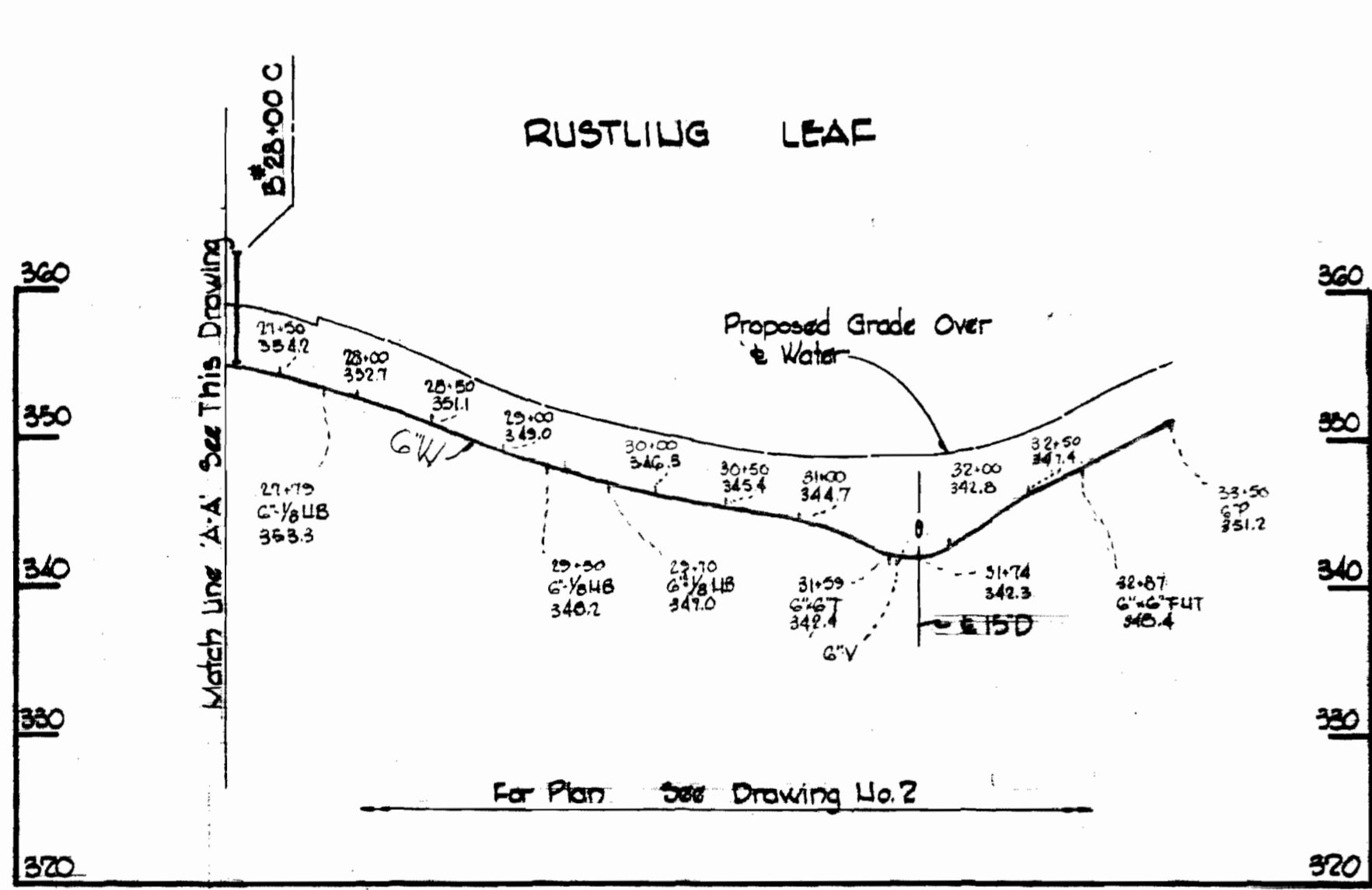
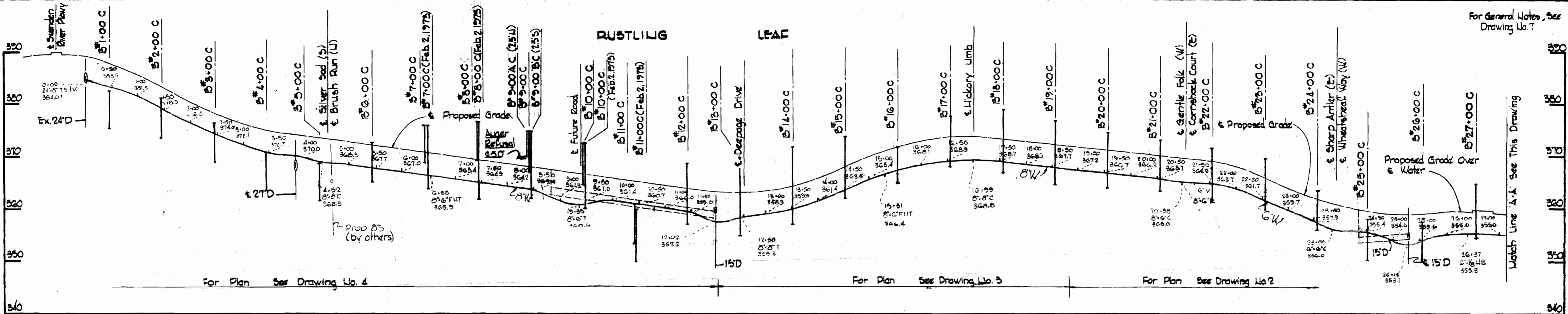
COLUMBIA
VILLAGE OF OWEN BROWN
ELECTION DISTRICT GUILFORD NO. 6

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

WS 534 W.D.S./4

BRUNING 44510 1839Z

For General Notes, See Drawing No. 7



Kenneth A. McCord

Village of Owen Brown
Part 1 of 2
Section 7, Area 5
Contract No. C-2554-D-W-15

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE 5-22-73
W.D. Fallick
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. C-2554-D-W-15

PROFILES OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF OWEN BROWN
ELECTION DISTRICT GULFORD NO. 6

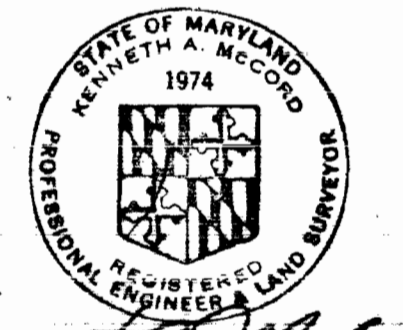
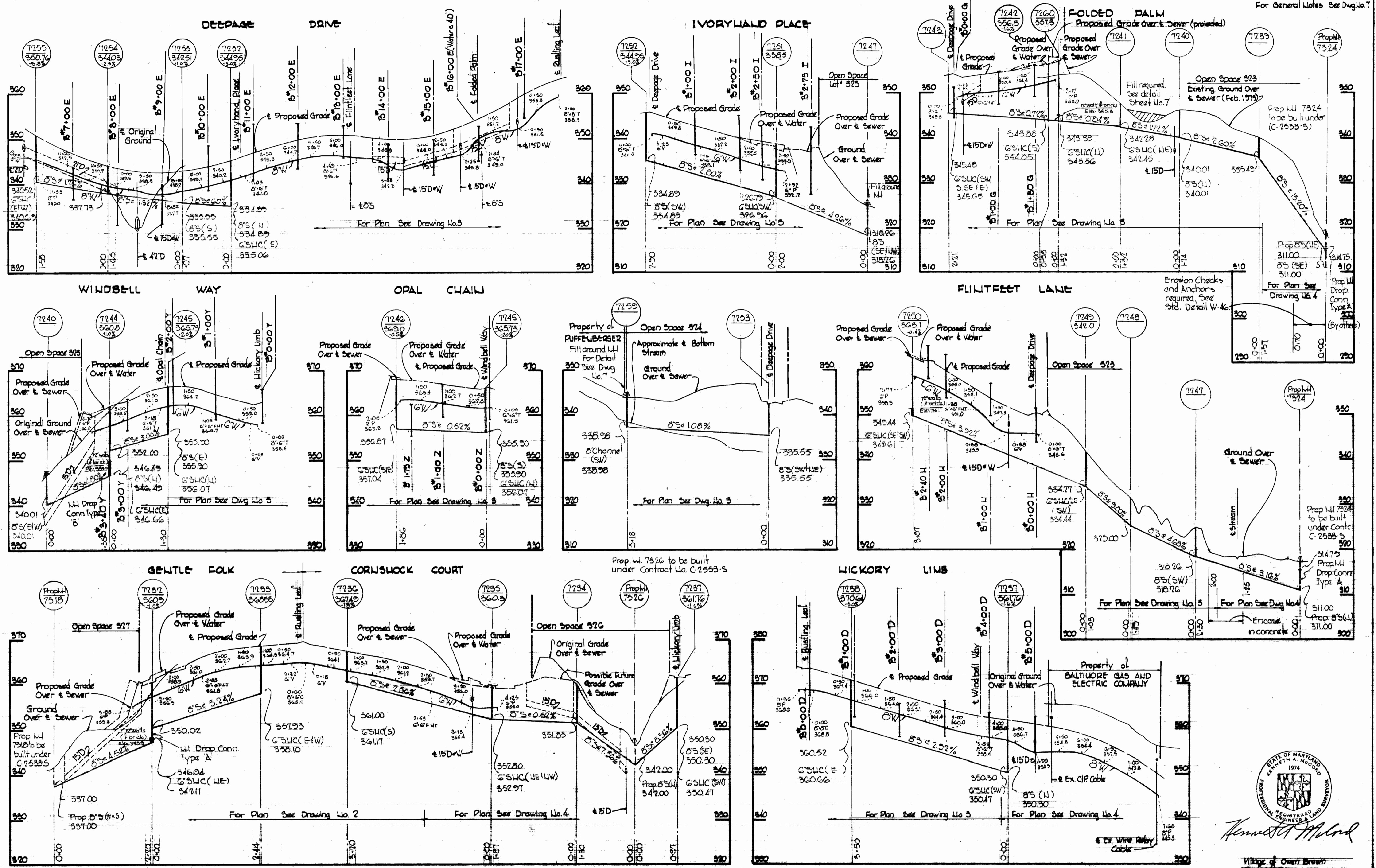
DRAWING NO. 5 OF 7
SCALE: H=100 V=10'

MAY 23, 1975

WS 534 W&S/5

BRUNING 44510 1252

W. O. G150-2



Kenneth A. McLeod

Village of Owen Brown
Part 1st
Section 2, Area 5
Contract No. C-2554DW5

DRAWING NO. 6 OF 7
SCALE: H=1"=100'
V=1"=10'

MAY 22, 1973

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

5-22-73
DATE

W. O. Gilbert
CHIEF-BUREAU OF ENGINEERS

CONTRACT NO. C-2554DW 5

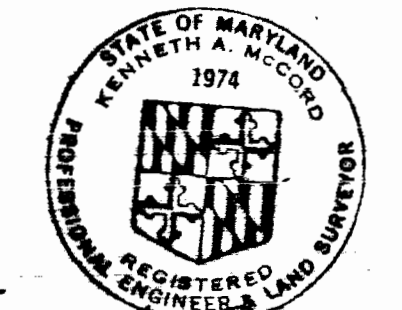
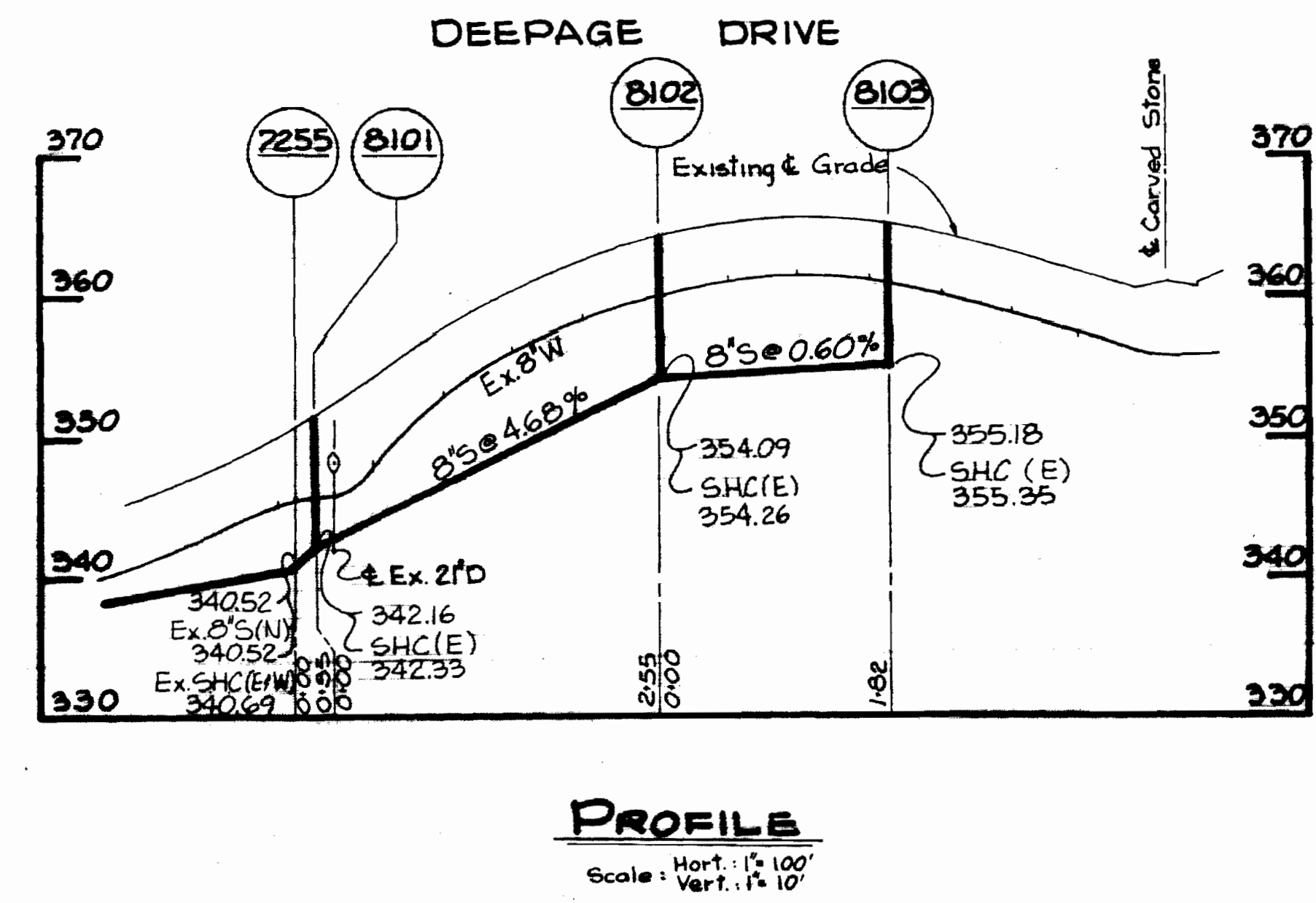
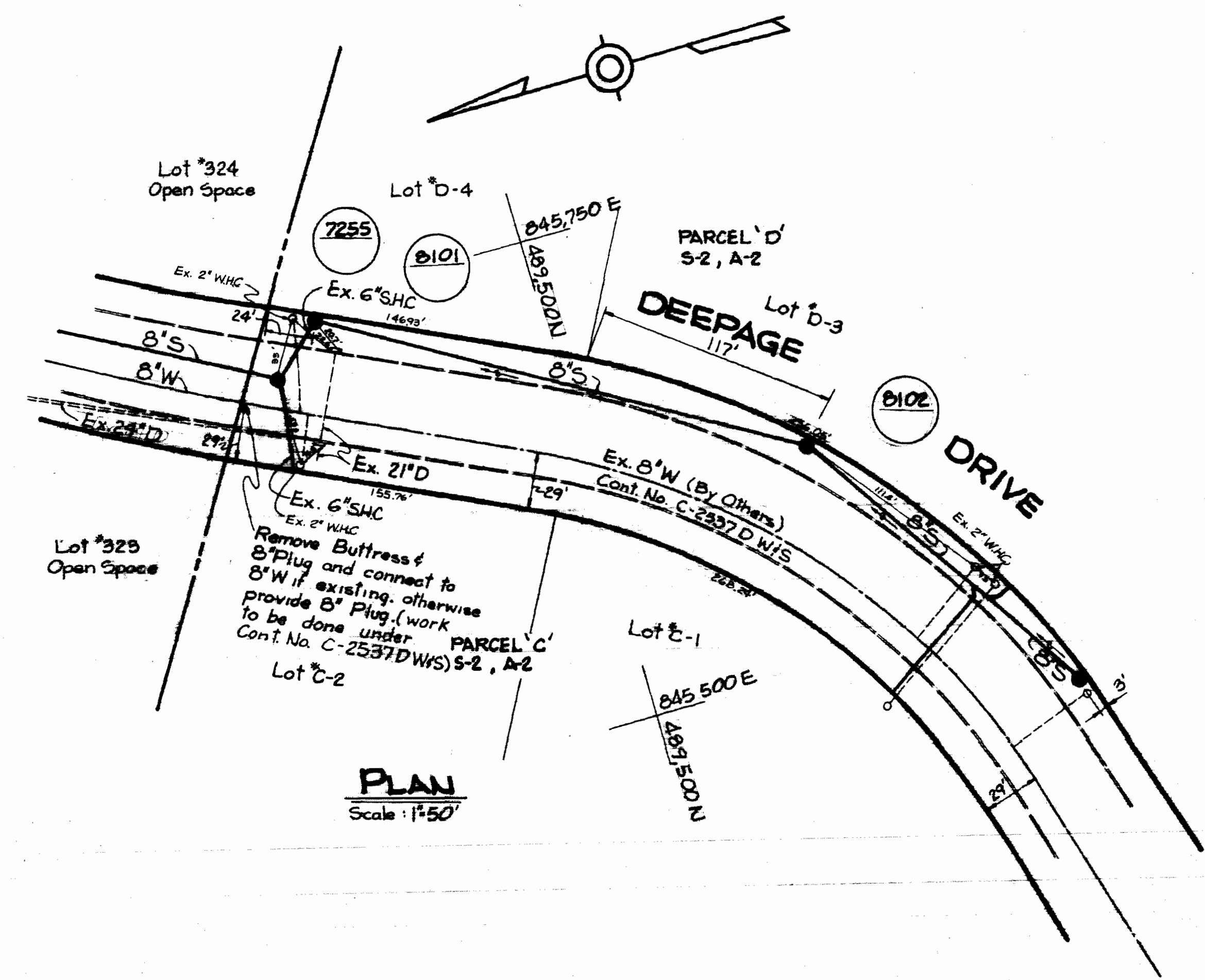
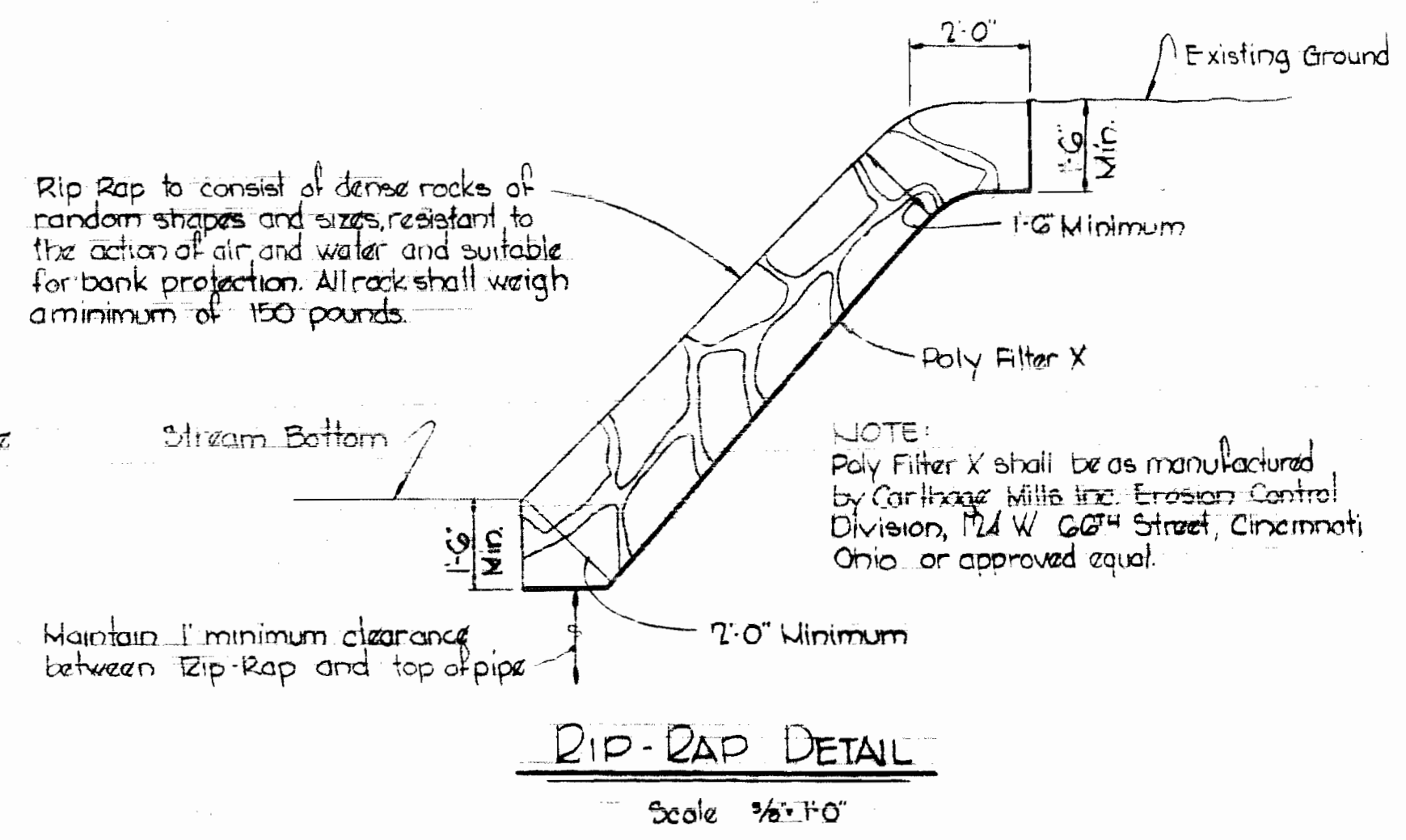
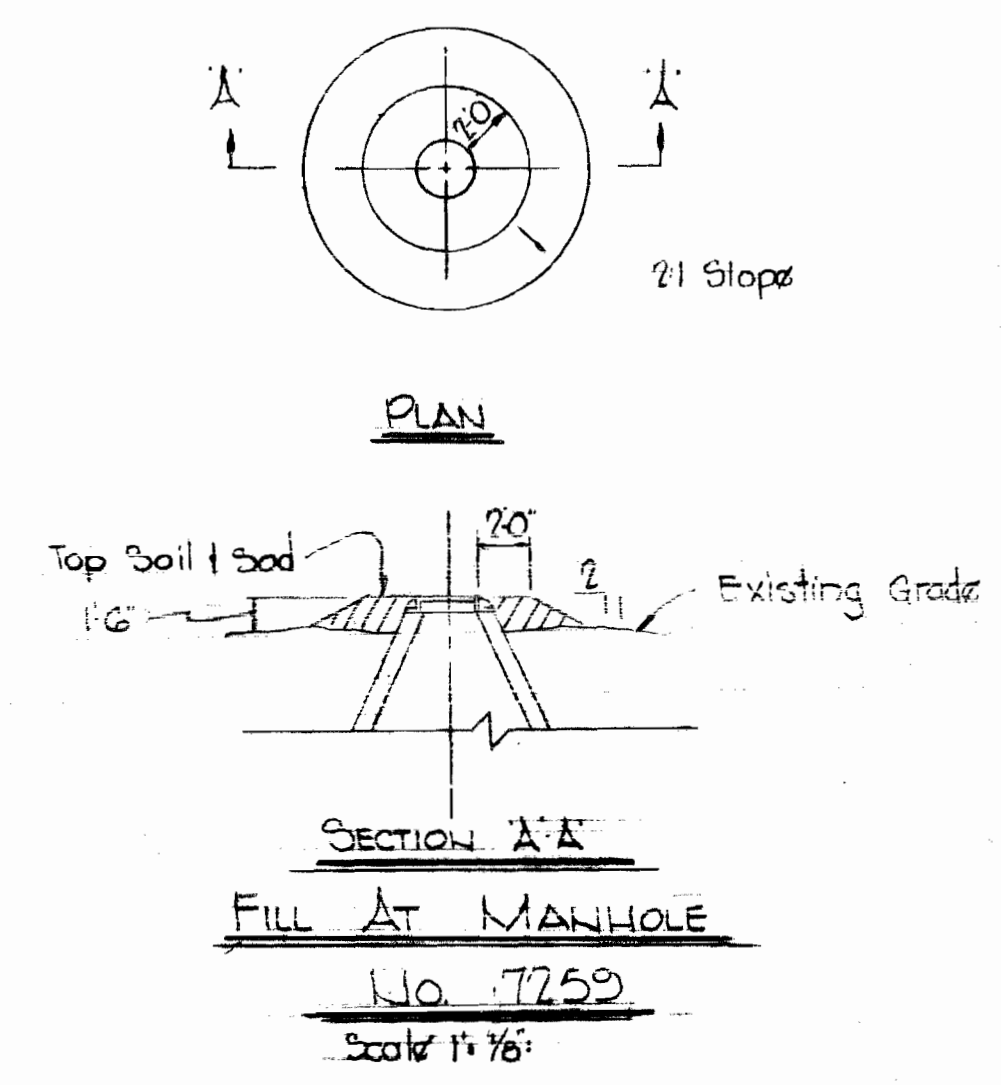
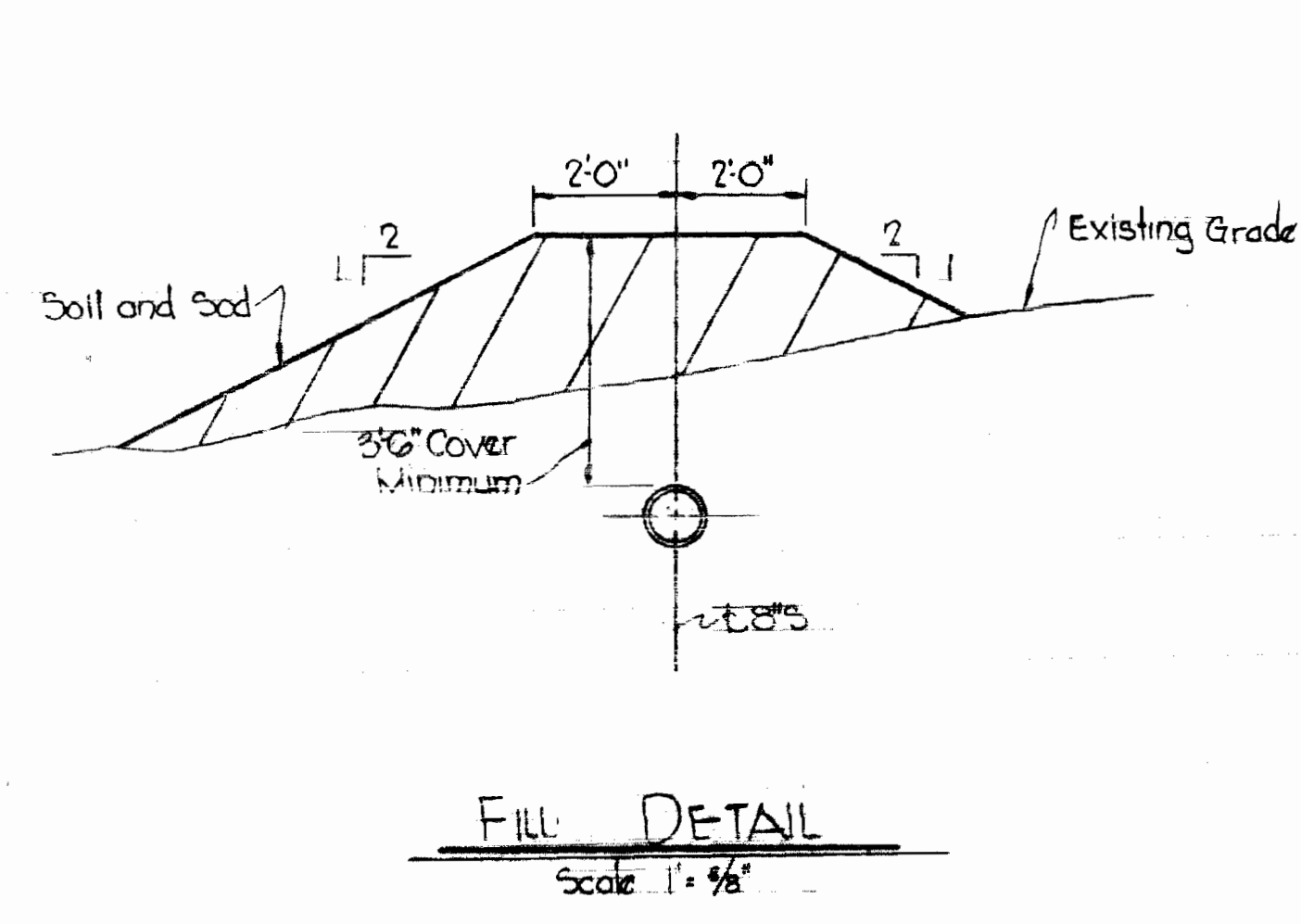
PROFILES OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF OWEN BROWN
ELECTION DISTRICT GUILFORD NO. 6

WS 534 W/S 1/6

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. Clear all utilities by a minimum of 6'; clear all poles by 2'-0" minimum tunnel as required.
6. All horizontal and vertical controls are based on Maryland State Datum.
7. All manholes shall be 4'-0" inside diameter.
8. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
9. All water mains to have a minimum of 3/4" cover unless otherwise noted.
10. Block all fittings with concrete, see standards bound in Specifications.
11. Bury Line elevations on fire hydrants shall be set to elevations shown on the drawings.
12. All fire hydrants shall be strapped to the tee and shall be buttressed with concrete in accordance with standard details.
13. Ground over to water and/or sewer was taken from contour maps made from aerial photography except where "existing" and dated.
14. Manholes constructed under Contract C-2535-3 will be of the precast type. Either brickwork openings or "A-Lok" type joints with 2" slabs will be provided for connections to be made under this contract.



Kenneth A. McLeod

Village of Owen Brown
Part 10-3
Section 2, Area 3
Contract No. C-2534DW/S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 5-22-73 W. O. Falbert CHIEF BUREAU OF ENGINEERING	CONTRACT NO. C-2534DW/S	DETAILS OF MAINS SEWER	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 7 OF 7 AS SHOWN
---	--	-------------------------	---------------------------	--	--------------------------------

W.O. 6155-2

MAY 22, 1973

WS 534 nts/7

BRUNING 44310 10392