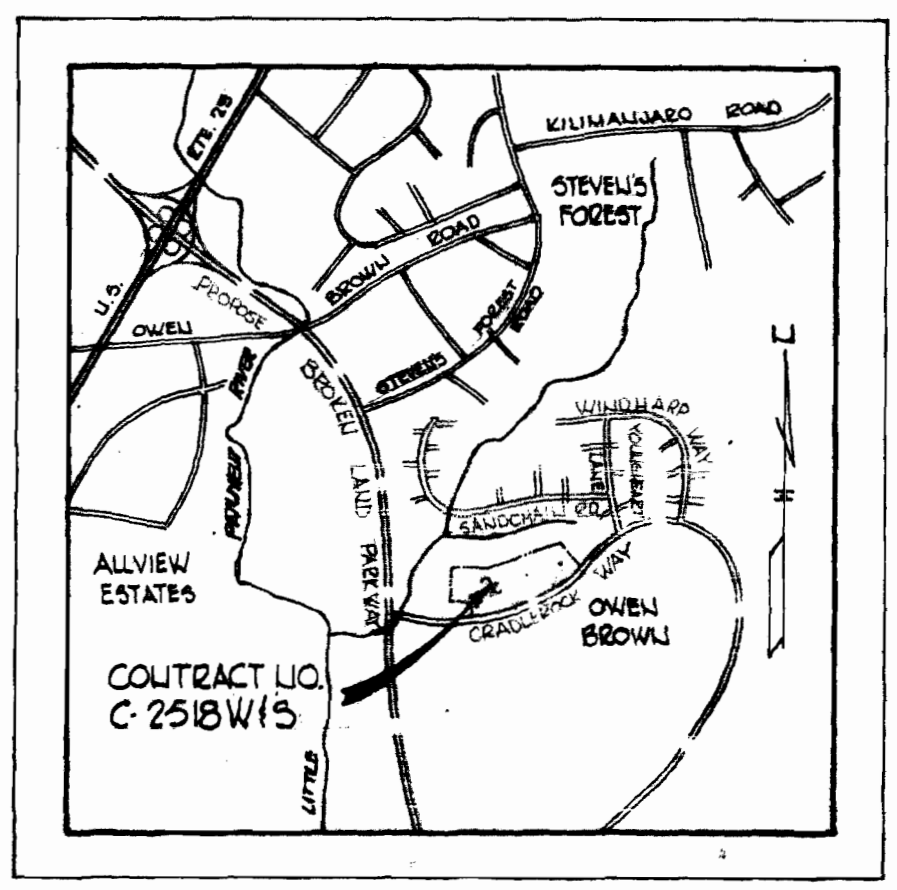


LEGEND

- Rock Probing
- Test Pits
- Soil Borings



VICINITY MAP

Scale: 1" = 200'

Stakeout FB 5405
Diary FB 5407
All water main C.I.P. 5" w/d. 22
with saddles for W.I.C.
All sewer main A.C.P. C.I. 2400

GENERAL NOTES

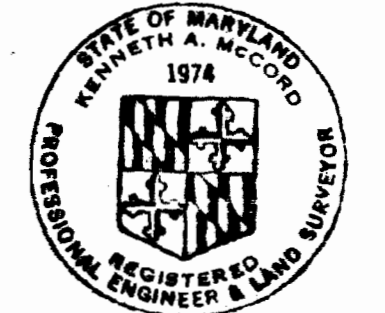
1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall 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 20' minimum or tunnel as required.
6. All horizontal and vertical controls are based on Maryland State Datum.
7. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
8. All manholes shall be 4'-0" inside diameter.
9. All water mains to have a minimum of 5 1/2' cover unless otherwise noted.
10. Bury Line elevations on fire hydrants shall be set to the elevations shown on the drawings.
11. All fire hydrants shall be strapped to the tee and shall be buttressed with concrete in accordance with standard details.
12. Block all fittings with concrete, see standards bound in Specifications.
13. All W.I.C.'s to be 1" diameter unless otherwise noted.
14. Minimum clear distance between two W.I.C. on 5" mains is 6'-0".
Prop. F.H. (Contr. C-466-D-W/15)

QUANTITIES

8" Sewer	4000 LF
6" Water	675 LF
6" Water	1000 LF
5" Water	3140 LF
Fire Hydrants	6

Remove 8" Plug and Buttress and Connect to 8" W.I.C. existing, otherwise provide 8" P.C. (Contr. U.C. C-486-D-W/15).

Property of
HOWARD RESEARCH AND DEVELOPMENT CORPORATION



Kenneth M. Lord

Village of Owen Brown
Parcel 'A'
Section 1, Area 1
Contract U.C. 2518 W/15

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

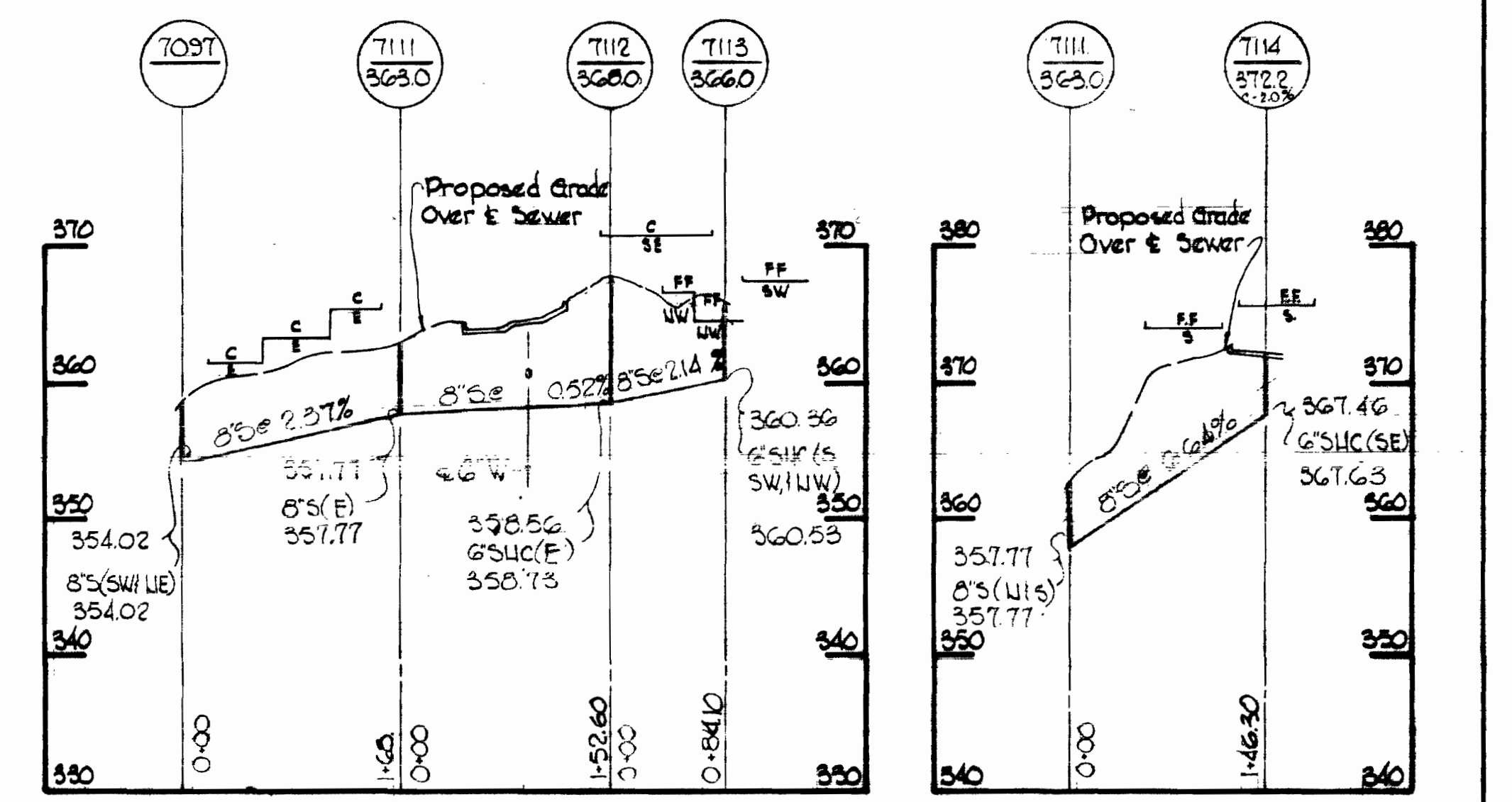
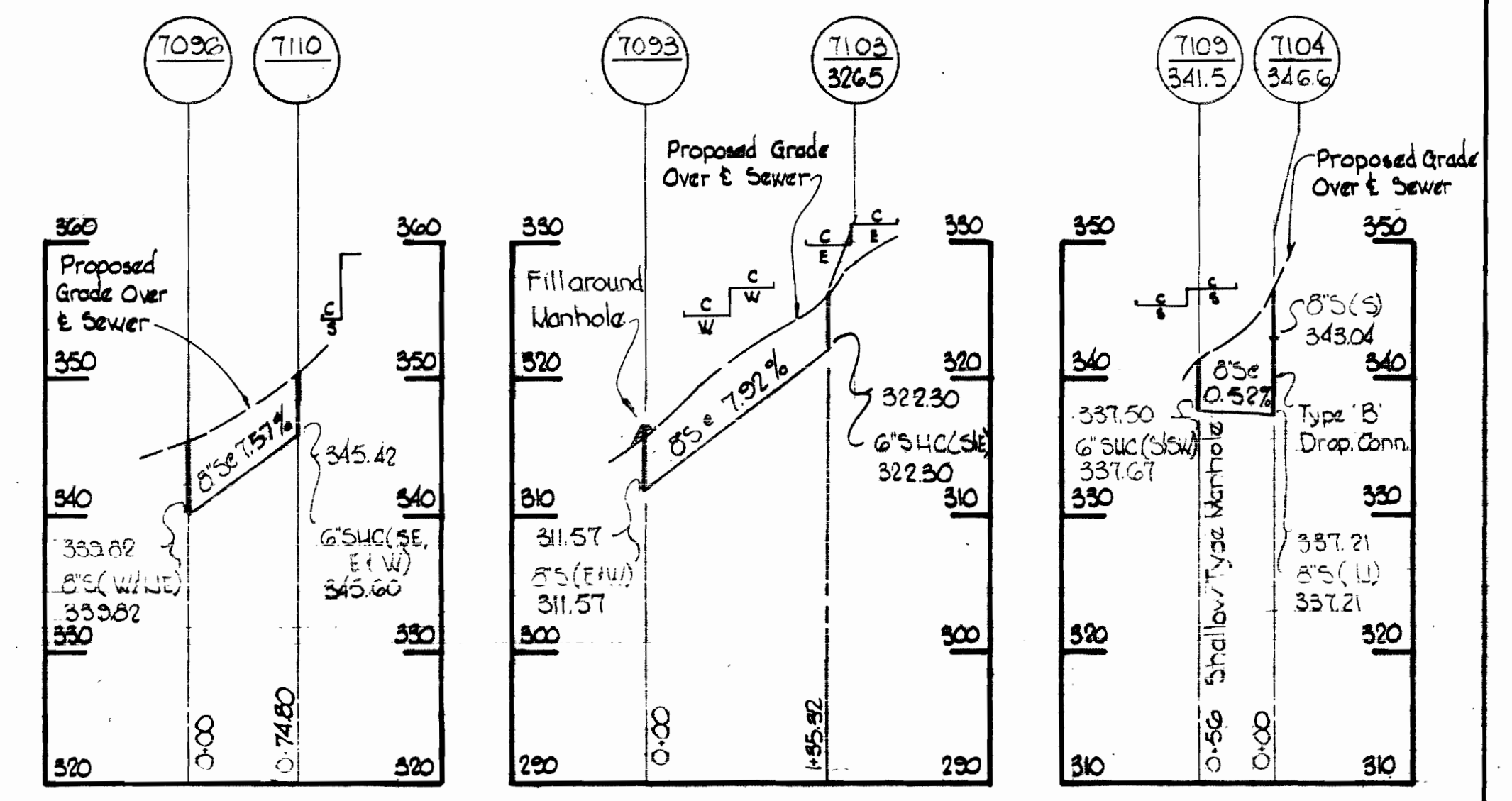
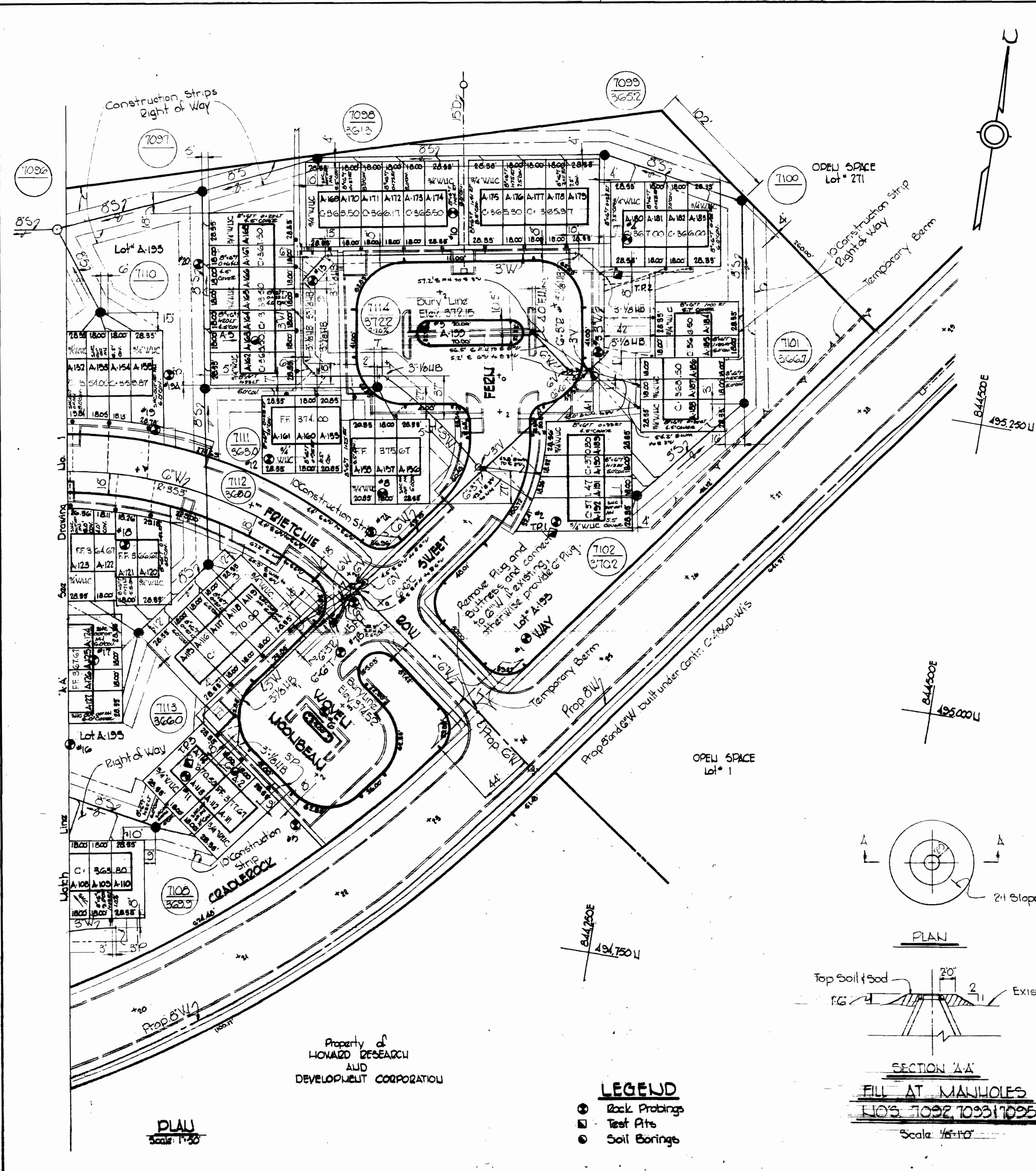
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
2-1-73
W. O. P. [Signature]
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. C-2518 WBS

PLAN OF WATER & SEWER MAINS

COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GULFORD NO. 6

DRAWING NO. 4 OF 4 SCALE AS SHOWN



PROFILES
Scale: Horz. 1"=10'
Vert. 1"=10'

- BENCH MARKS -

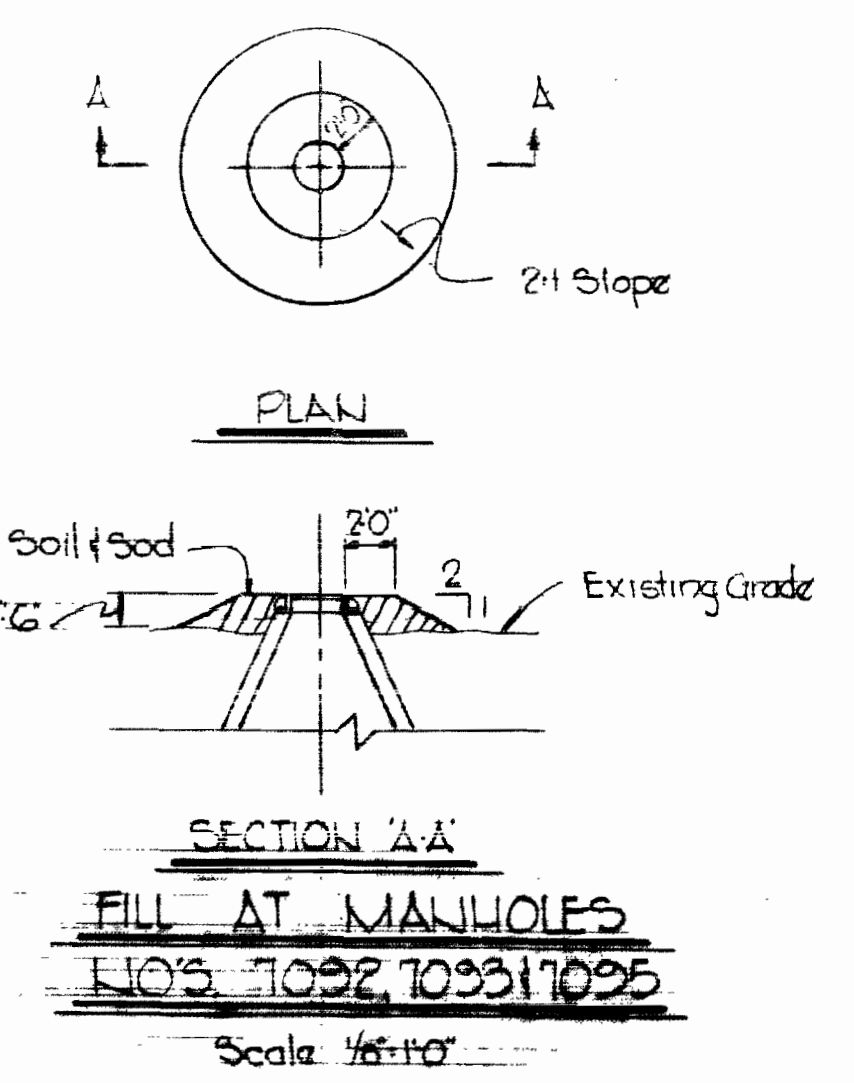
- W.R.I.A. B.M. W-715 Elev. 358.49
Iron Pipe 65' right of & station
5+90 Sandchain Road.
- W.R.I.A. B.M. W-721 Elev. 377.54
Iron Pipe 172' right of &
station 11+55 Windchapel Way.
- W.R.I.A. B.M. W-705 Elev. 351.79
Iron Pipe 195' right of
station 17+00 Cradleroad
Way



Kenneth A. McCord

Village of Owen Brown
Parcel A
Section 1, Area 1
Contract No. C-2518 W/T5

- LEGEND**
- Back Probing
 - Test Pits
 - Soil Borings



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

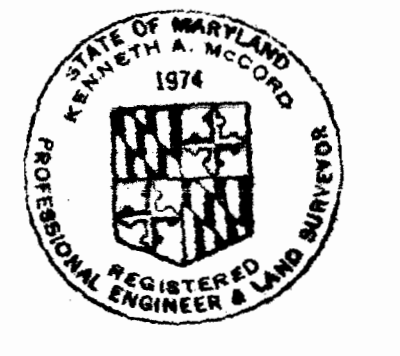
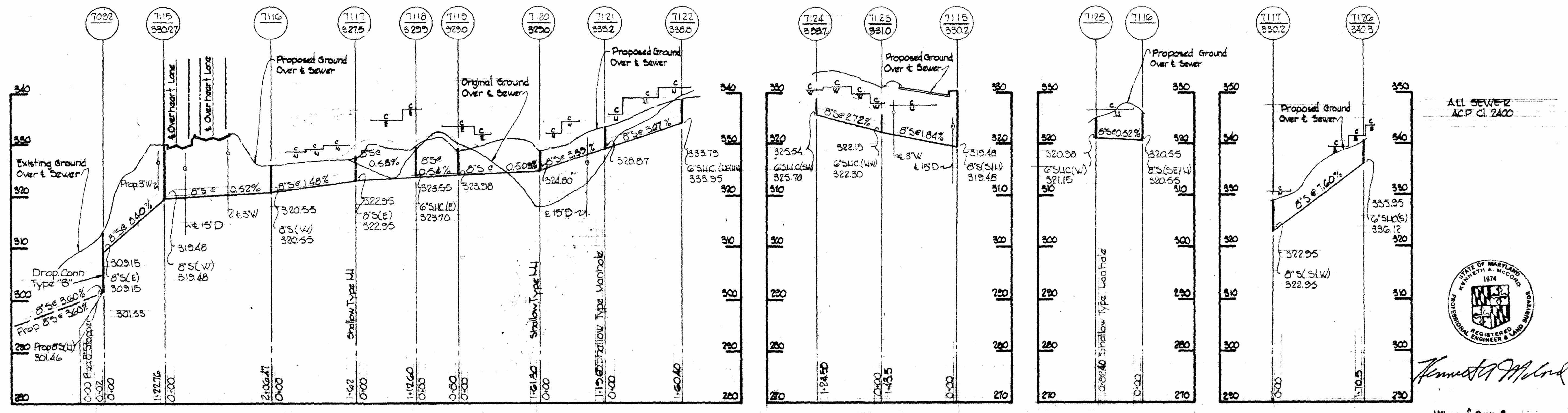
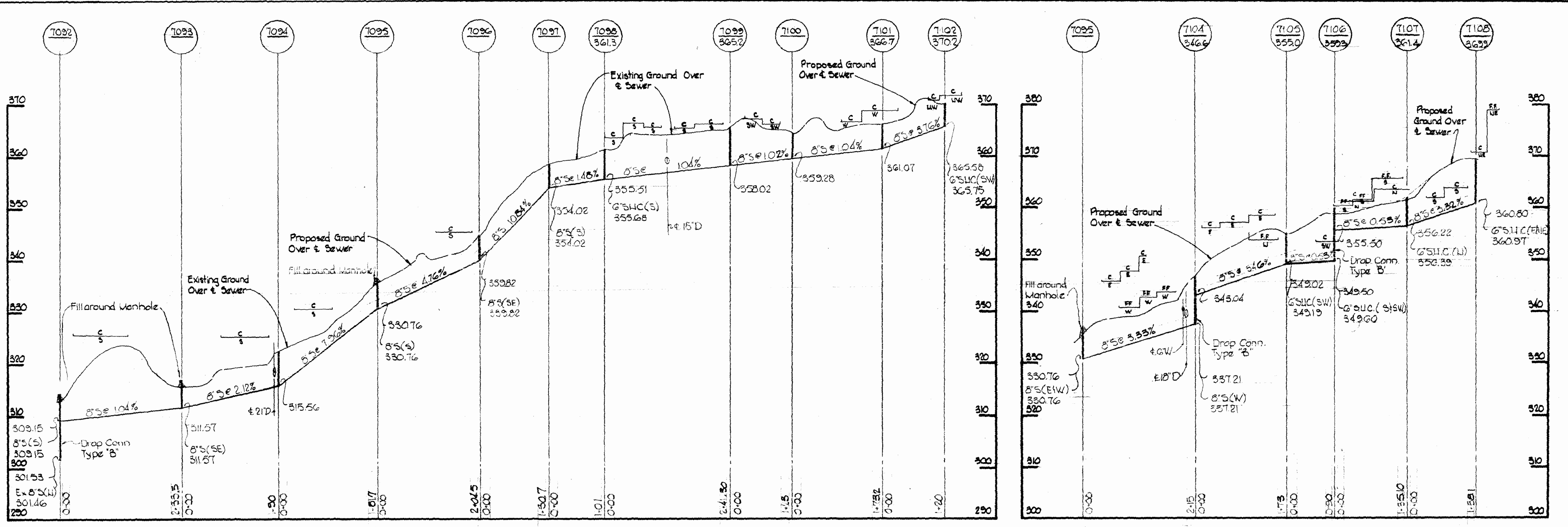
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
2-1-73
W. O. Fallett
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. C-2518 W/T5

PLAN, PROFILES AND DETAILS
OF WATER AND SEWER MAINS

COLUMBIA
VILLAGE OF OWEN BROWN
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 2
OF 4
SCALE AS SHOWN



Handwritten signature

Village of Owen Brown
Parcel A
Section 1, Area 1
Contract No. C-7518 WBS

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE 1-1-73
W. O. Ballard
CHIEF - BUREAU OF WATER AND SEWER

CONTRACT NO. C-7518 WBS

PROFILES OF
SEWER MAINS

COLUMBIA
VILLAGE OF OWEN BROWN
ELECTION DISTRICT GUILFORD NO. 6

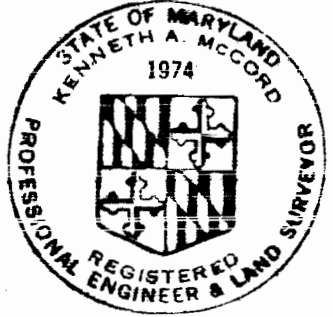
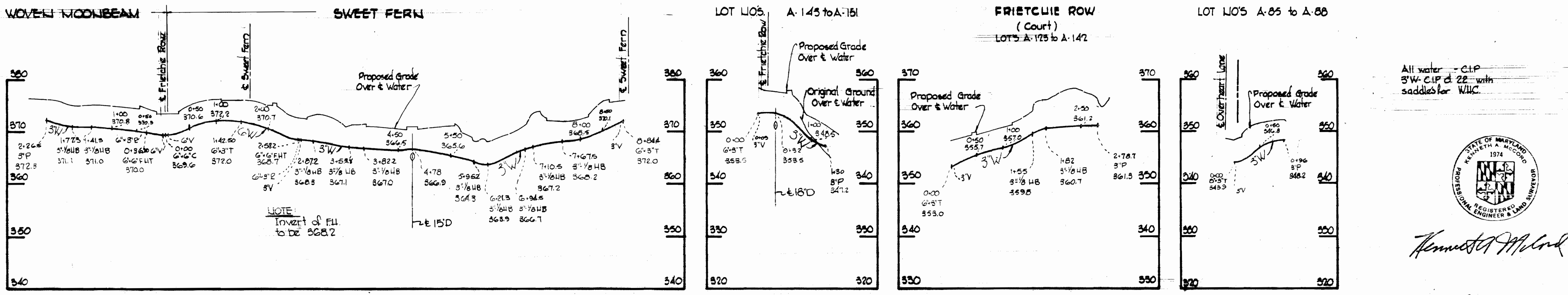
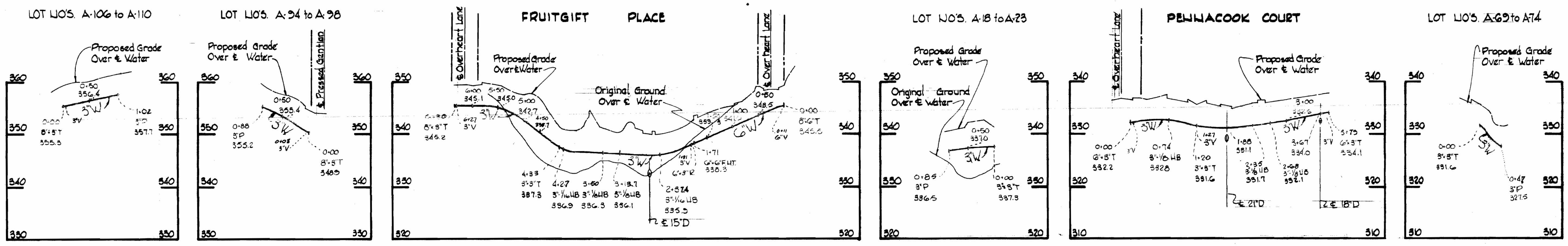
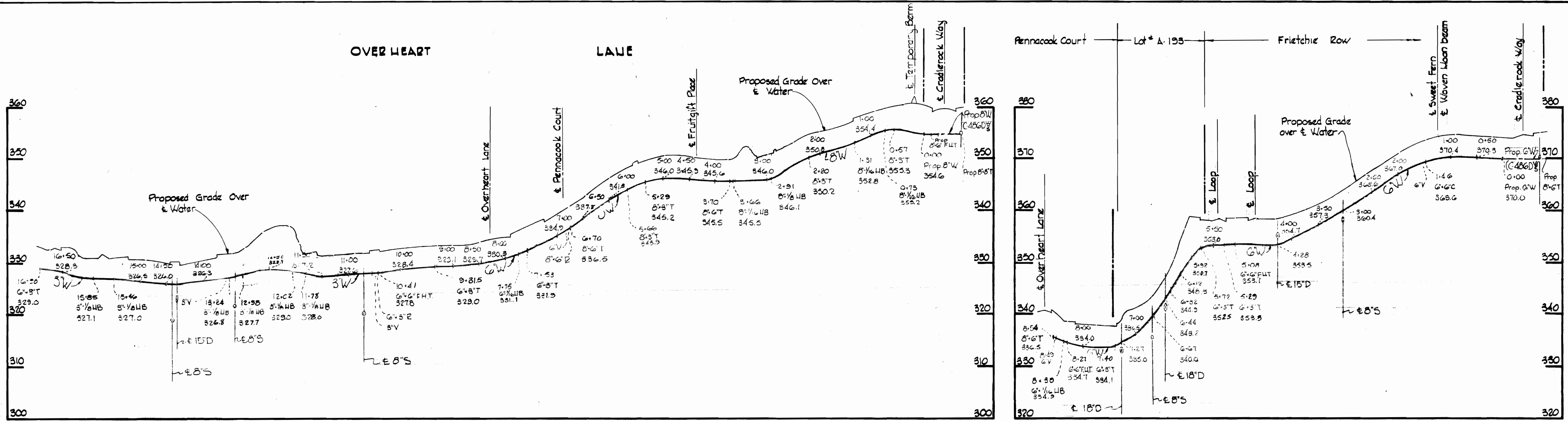
DRAWING NO. 3 OF 4
SCALE H:V = 1" = 40' V:1" = 10'

Aug 23, 1973 AS BURT

US 518-WBS/3

44-510 14778

W. O. 6023-2



Kenneth A. McLeod

Village of Owen Brown
Parcel A
Section 1, Area 1
Contract No. C-2518/W/S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 2-1-73 <i>W. O. Pillant</i> CHIEF - BUREAU OF WATER AND SEWER	CONTRACT NO. C-2518/W/S	PROFILES OF WATER MAINS	COLUMBIA VILLAGE OF OWEN BROWN ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 4 OF 4 SCALE H: 1"=10' V: 1"=10'
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W. O. 6025-2

August 23, 1973 **AS BUILT**

WS 518 - W & S/4

SPRING 445.0 14778