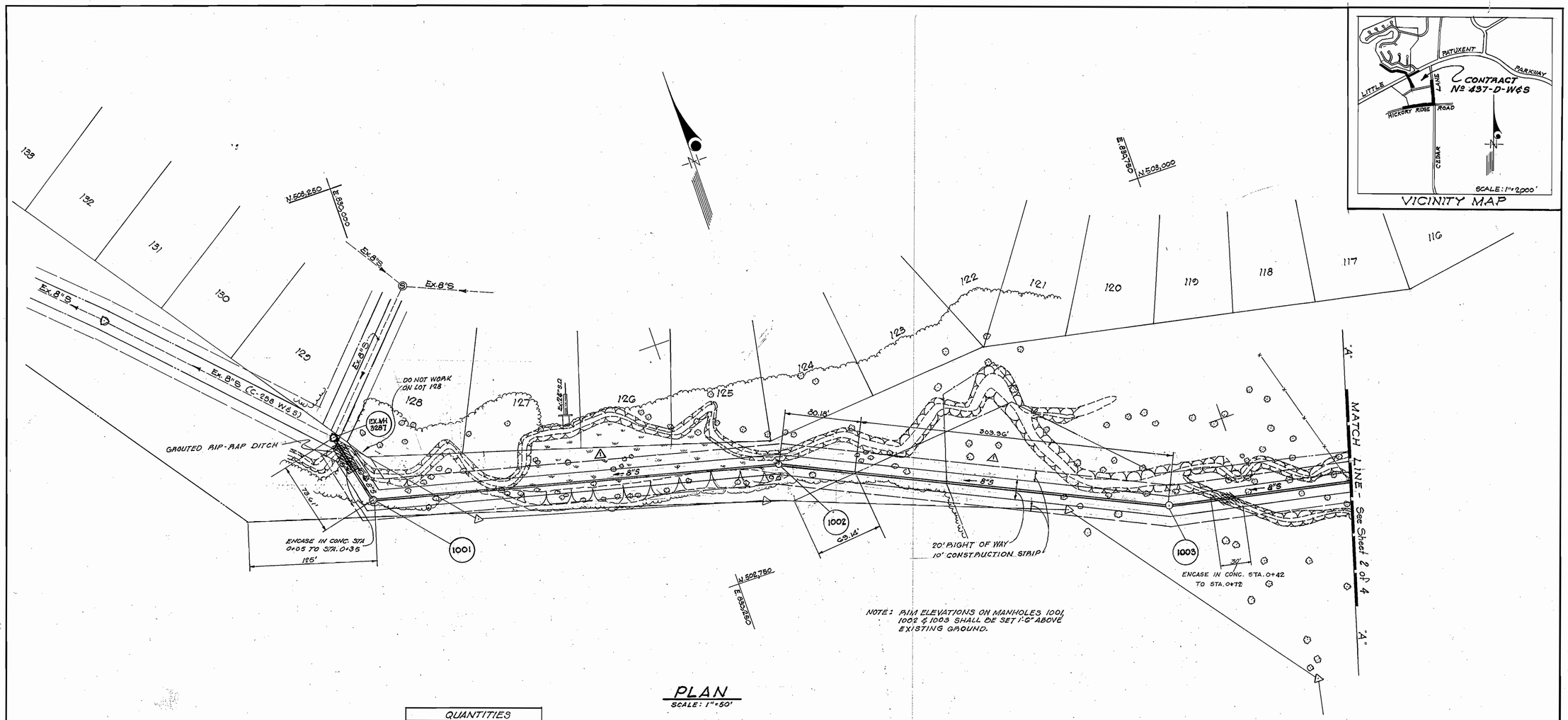
BALTIMORE 17 5153 IMPERIAL 44404



VICINITY MAP

PLAN

SCALE: 1"=50'

QUANTITIES	
8" WATER MAIN	3040'
8" SEWER	2252'
FIRE HYDRANTS	6
8" WHC	350'
8" SHC	20'

⚠ INCREASE IN 8" SEWER LENGTH = 24'

GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains & services & 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 min. of two weeks in advance of construction in vicinity of utilities.
4. For all standard details see standards bound in specifications.
5. Clear utilities by a min. of 6", clear all poles by 2'-0" min or tunnel as required.
6. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
7. All manholes shall be 4'-0" inside diameter.
8. All water mains to have a min. of 3½' cover unless otherwise noted.
9. Block all fittings with concrete, see standards bound in specifications.
10. Bury line elevations on fire hydrants shall be set to the elevations shown on drawings.
11. All fire hydrants shall be strapped to the tee & shall be buttressed with concrete in accordance with standard details.
12. Cost of strapping fire hydrants & valves to tees to be included in unit price bid for furnishing & laying of water mains.
13. All horizontal & vertical controls are based on Maryland State Datum.

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STATE OF MARYLAND — JOHN W. MACRIS — No. 4949 — REGISTERED PROFESSIONAL ENGINEER

REVISION ⚠	2-18-72	LOCATION OF MANHOLES 1001, 1002 AND 1003 AND 8" SEWER BETWEEN MANHOLES

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
11-22-71 DATE
W O Filbert CHIEF-BUREAU OF WATER AND SEWER

CONTRACT NO. 437-D-W&S

PLAN OF SEWER MAINS

COLUMBIA
VILLAGE OF HICKORY RIDGE
ELECTION DISTRICT CLARKSVILLE NO.5

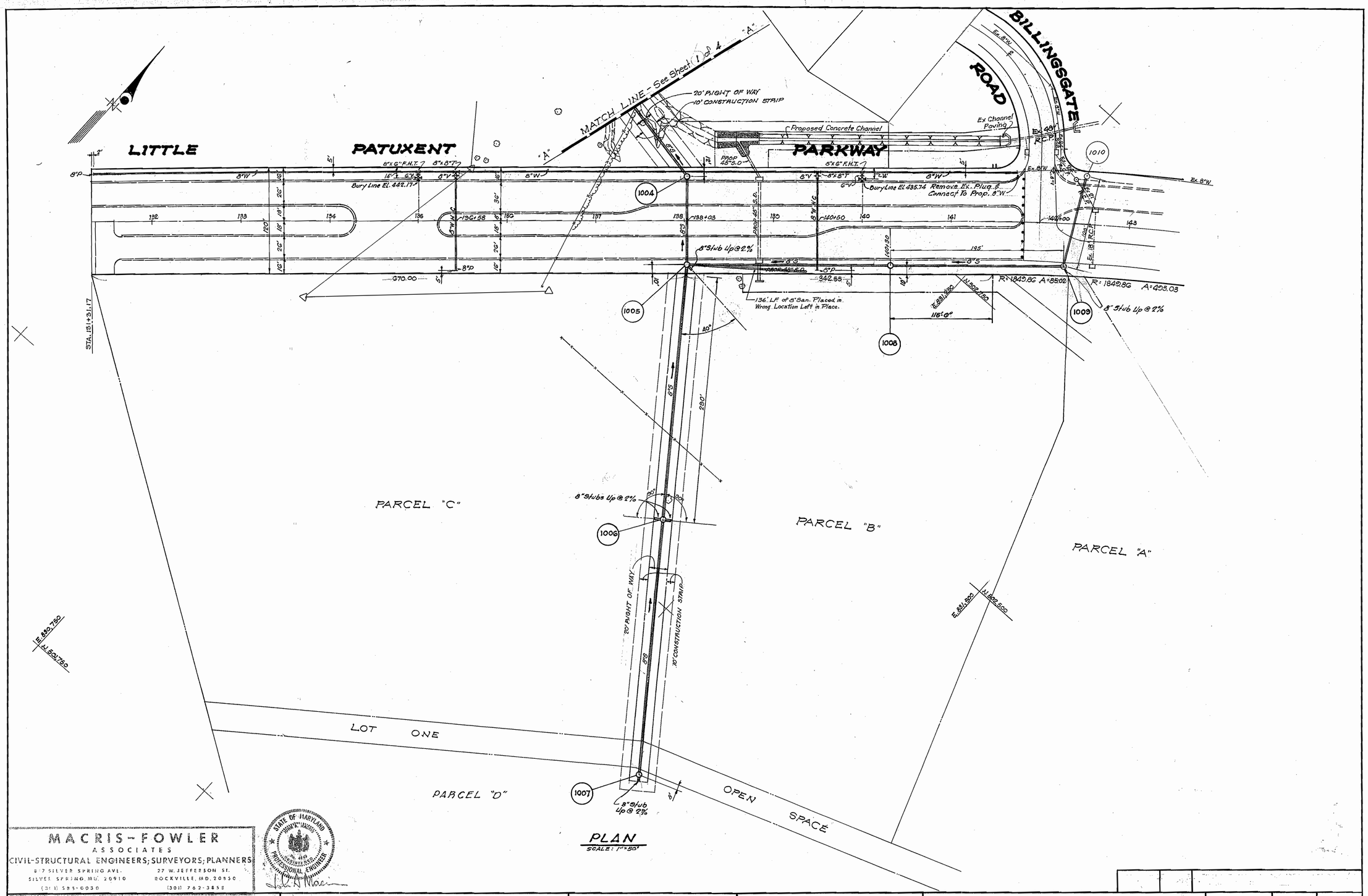
DRAWING NO. 1 OF 4

SCALE AS SHOWN

AS BUILT JUNE 9, 1972

WS 437 W&S/1

K+E BALTIMORE 17 5153 IMPERIAL 44404



PLAN
SCALE: 1"=50'

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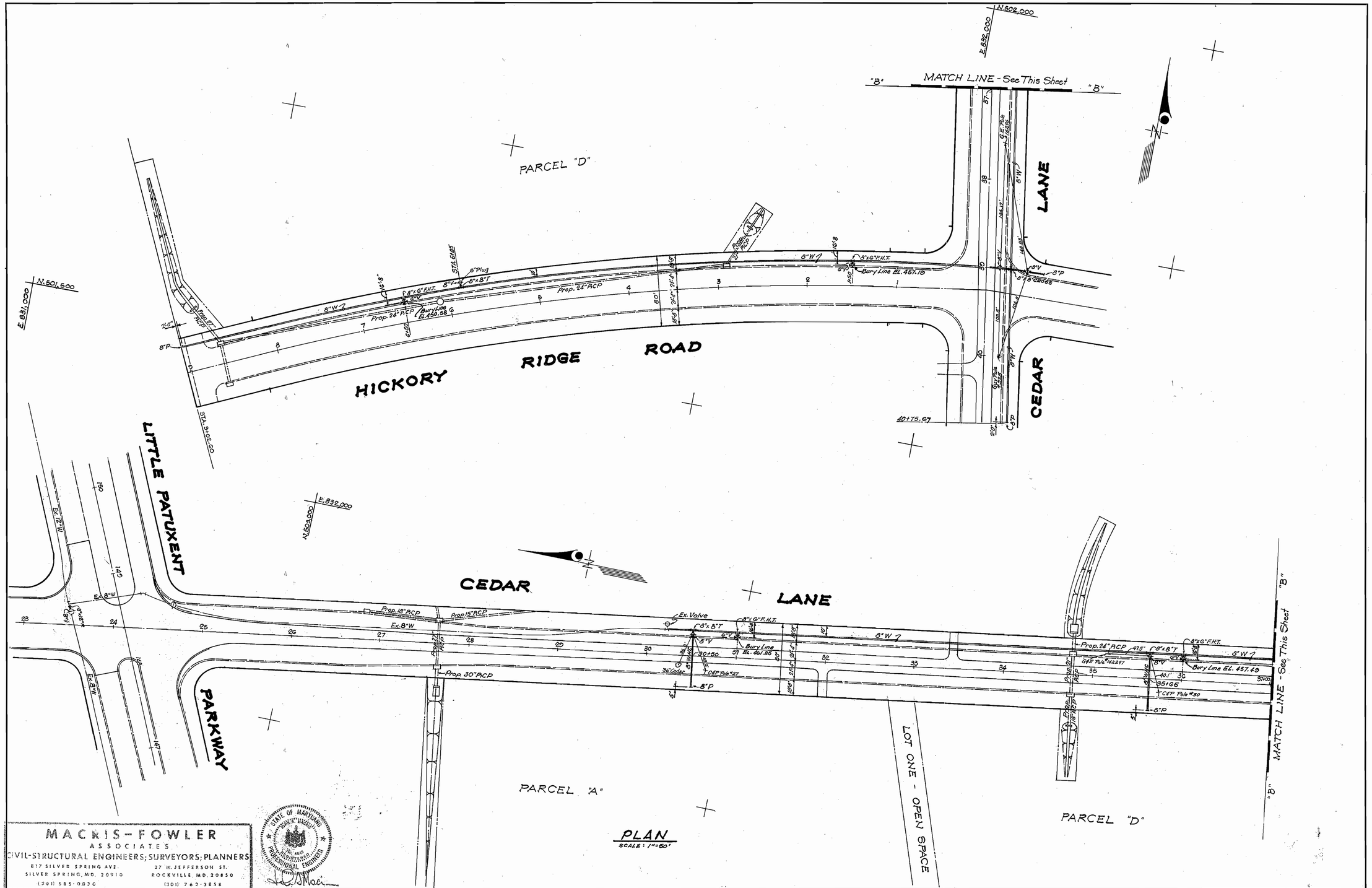
STATE OF MARYLAND — HOWARD W. MACRIS — No. 4611 — REGISTERED PROFESSIONAL ENGINEER

	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 11-22-71 DATE — W. S. Filbert CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 437-D-W&S	PLANS OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF HICKORY RIDGE ELECTION DISTRICT CLARKSVILLE NO.5	DRAWING NO. 2 OF 4	SCALE AS SHOWN

AS BUILT JUNE 9, 1972

WS 437 W&S/2



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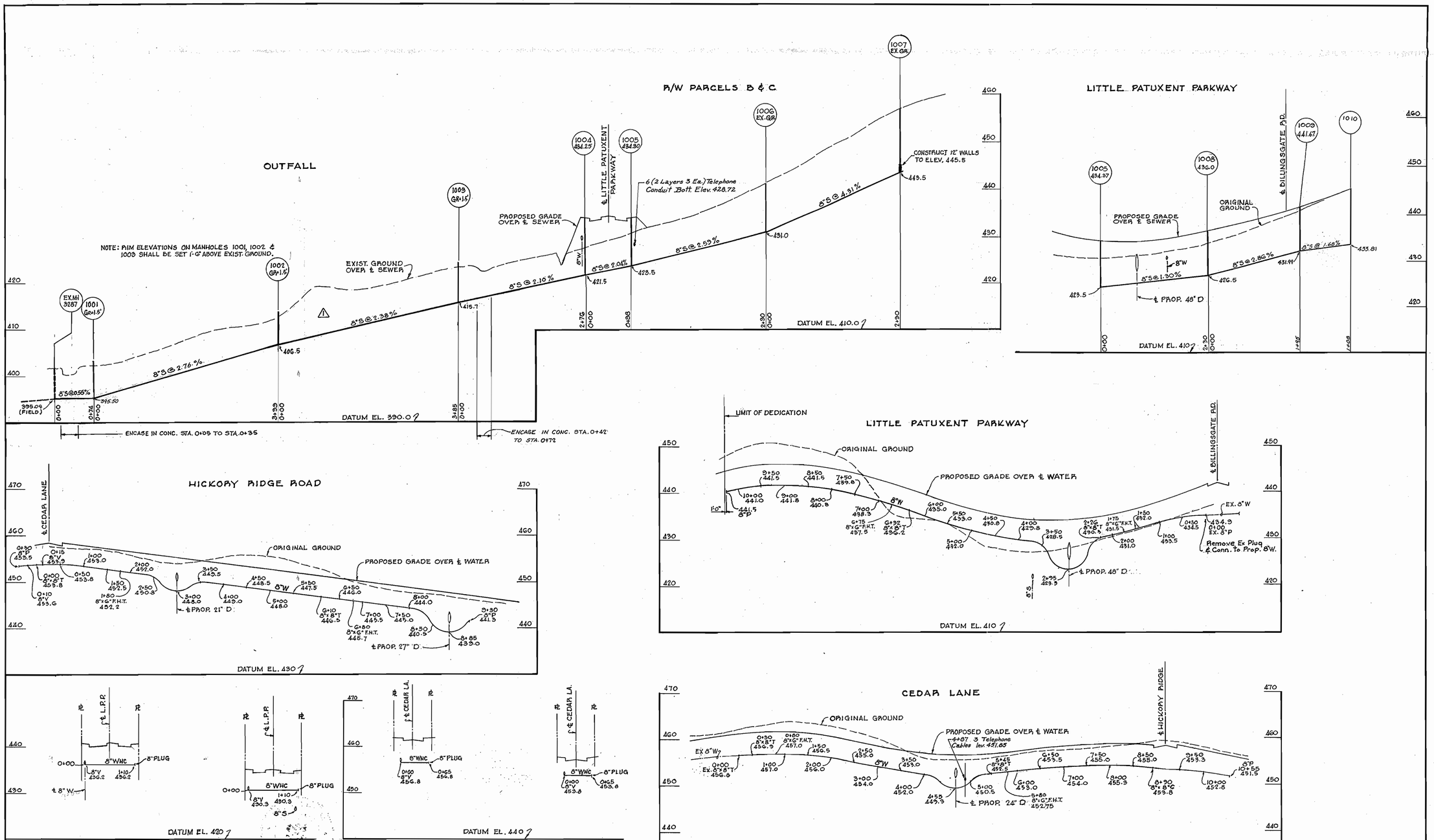
STATE OF MARYLAND — PROFESSIONAL ENGINEER

	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 11-22-71 DATE — CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 437-D-W&S	PLAN OF WATER MAINS	COLUMBIA VILLAGE OF HICKORY RIDGE ELECTION DISTRICT CLARKSVILLE NO. 5	DRAWING NO. 3 OF 4	SCALE AS SHOWN

AS BUILT JUNE 9, 1972

W.S 437 W&S/3

BALTIMORE 17 5153 IMPERIAL 44604



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STATE OF MARYLAND — HENRY K. MACRIS — REGISTERED PROFESSIONAL ENGINEER

PROFILES

SCALE: 1" = 100' HOR. 1" = 10' VERT.

REVISION		
△1	2-18-72	LOCATION OF MANHOLES 1001, 1002 AND 1003 AND 8" SEWER BETWEEN MANHOLES

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
11-22-71 — DATE
W O Filbert — CHIEF-BUREAU OF WATER AND SEWER

CONTRACT NO. 437-D-W&S

PROFILES OF WATER & SEWER MAINS

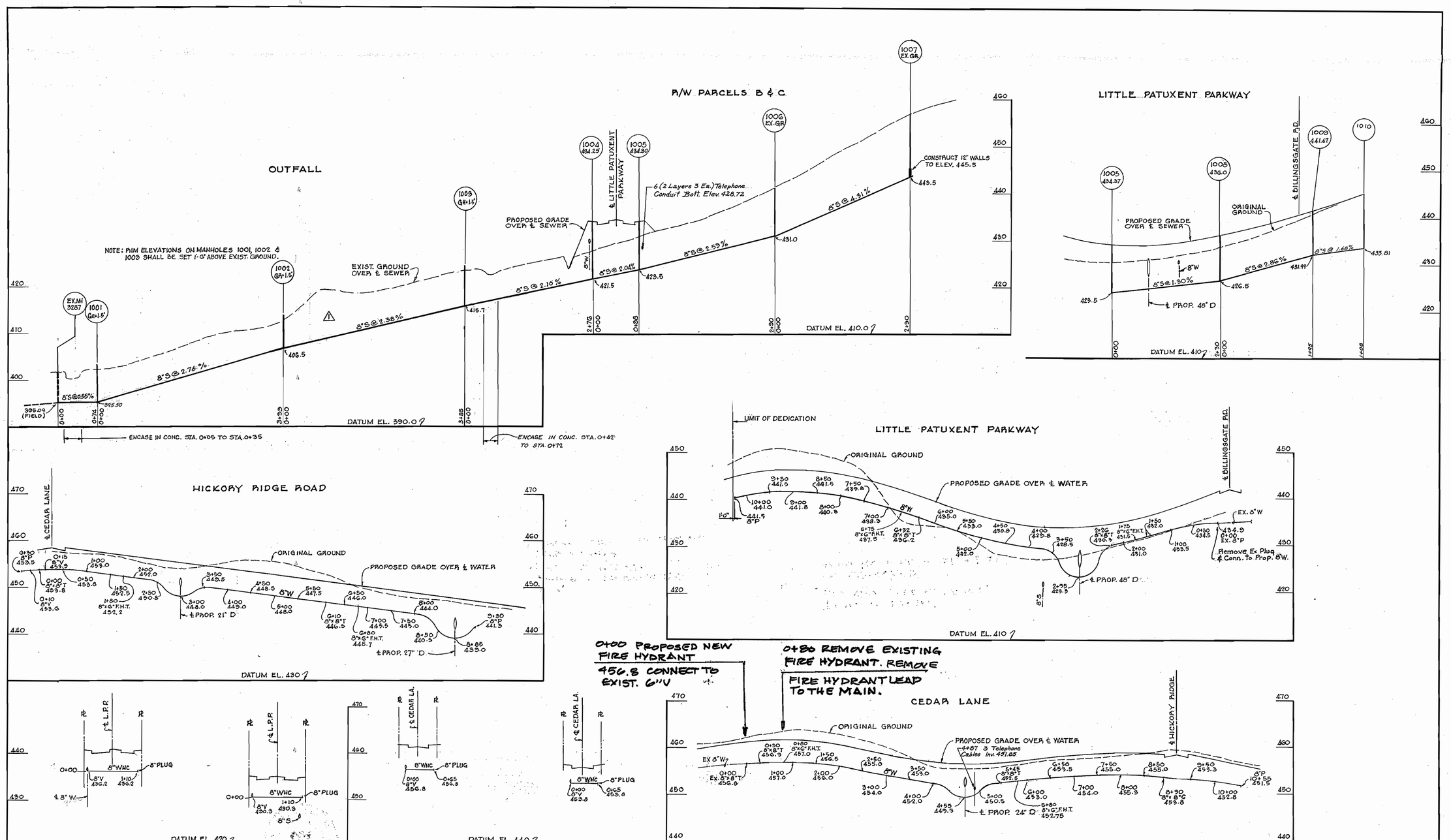
COLUMBIA
VILLAGE OF HICKORY RIDGE
ELECTION DISTRICT CLARKSVILLE NO. 5

DRAWING NO. 4 OF 4

SCALE AS SHOWN

AS BUILT JUNE 9, 1972

WS 437 -W&S/4



PROFILES

SCALE: 1" = 100' HOR. 1" = 10' VERT.

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STATE OF MARYLAND — JOHN A. MACRIS — REGISTERED PROFESSIONAL ENGINEER

JEC - 8-29-07: REVISED FIRE HYDRANT LOCATION.

REVISION		
△1	2-18-72	LOCATION OF MANHOLES 1001, 1002 AND 1003 AND 8" SEWER BETWEEN MANHOLES

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 11-22-71 DATE W O Filbert CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 437-D-W&S	PROFILES OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF HICKORY RIDGE ELECTION DISTRICT CLARKSVILLE NO. 5	DRAWING NO. 4 OF 4	SCALE AS SHOWN	

AS BUILT JUNE 9, 1972

WS 437 -W&S/4

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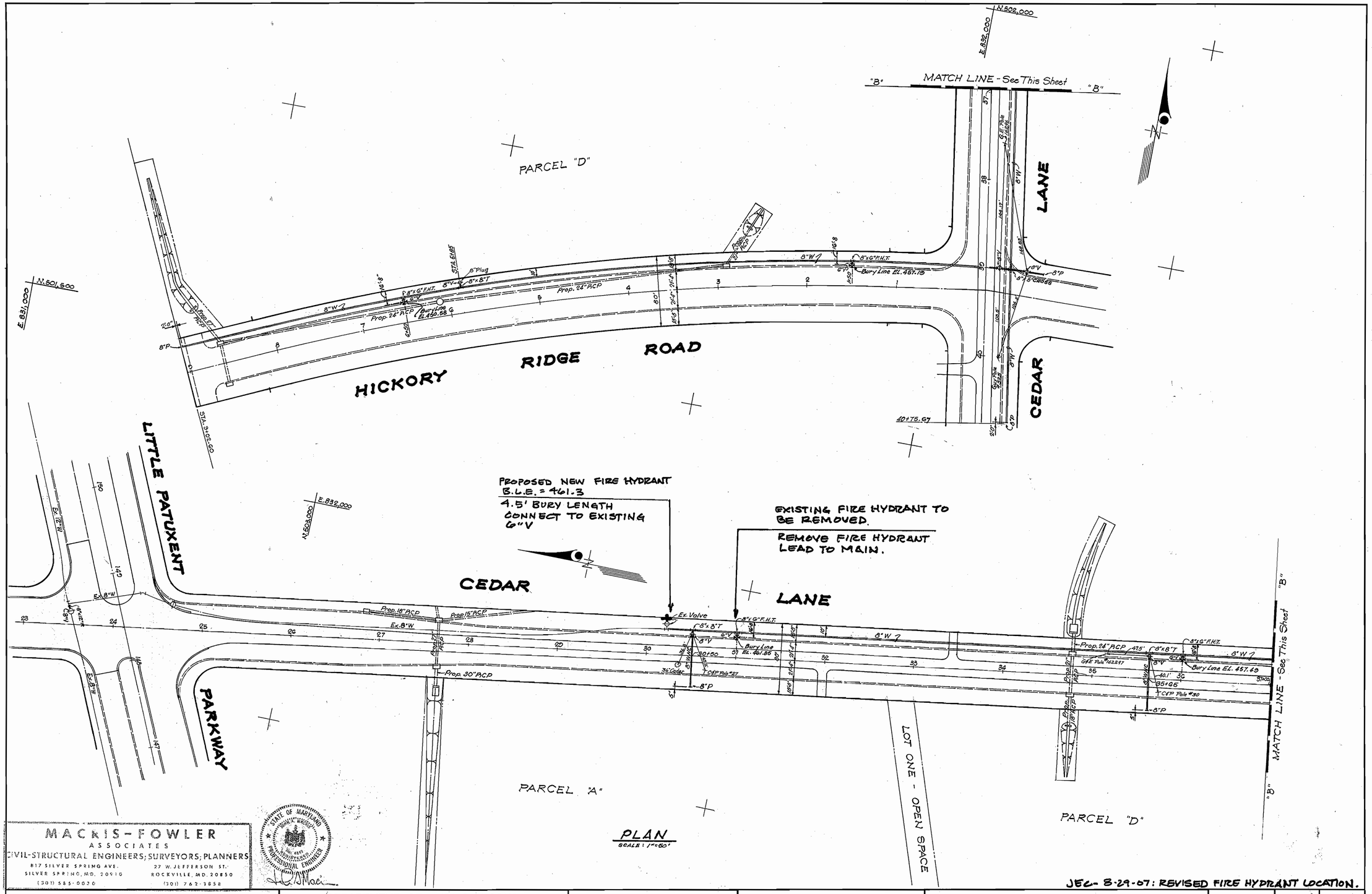

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STATE OF MARYLAND JOHN "K" MACKIS REGISTERED PROFESSIONAL ENGINEER

JEC- 8-29-07: REVISED FIRE HYDRANT LOCATION.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 11-22-71 DATE — CHIEF-BUREAU OF WATER AND SEWER	CONTRACT NO. 437-D-W&S	PLAN OF WATER MAINS	COLUMBIA VILLAGE OF HICKORY RIDGE ELECTION DISTRICT CLARKSVILLE NO. 5	DRAWING NO. 3 OF 4	SCALE AS SHOWN

AS BUILT JUNE 9, 1972

W.S 437 W&S/3