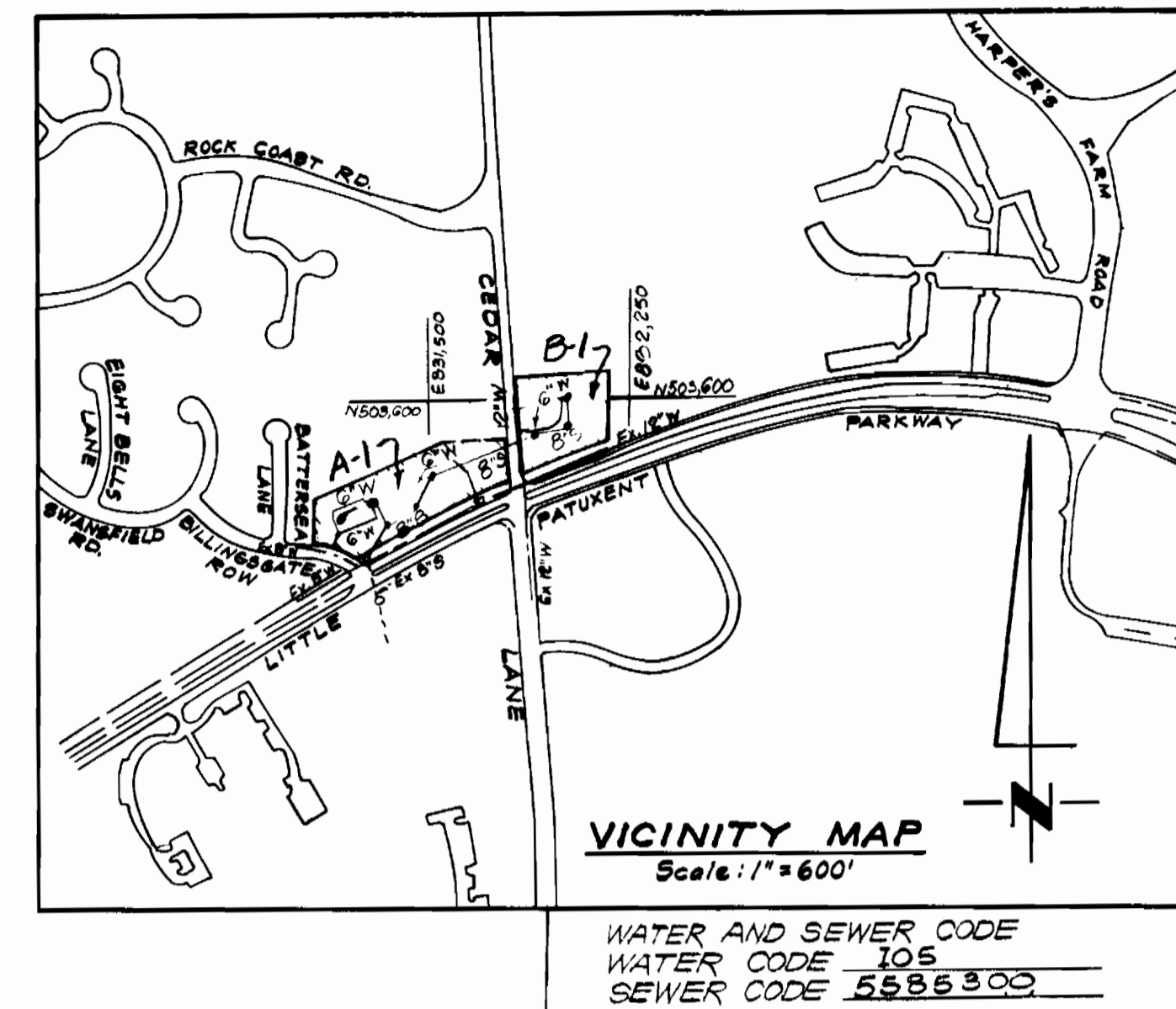
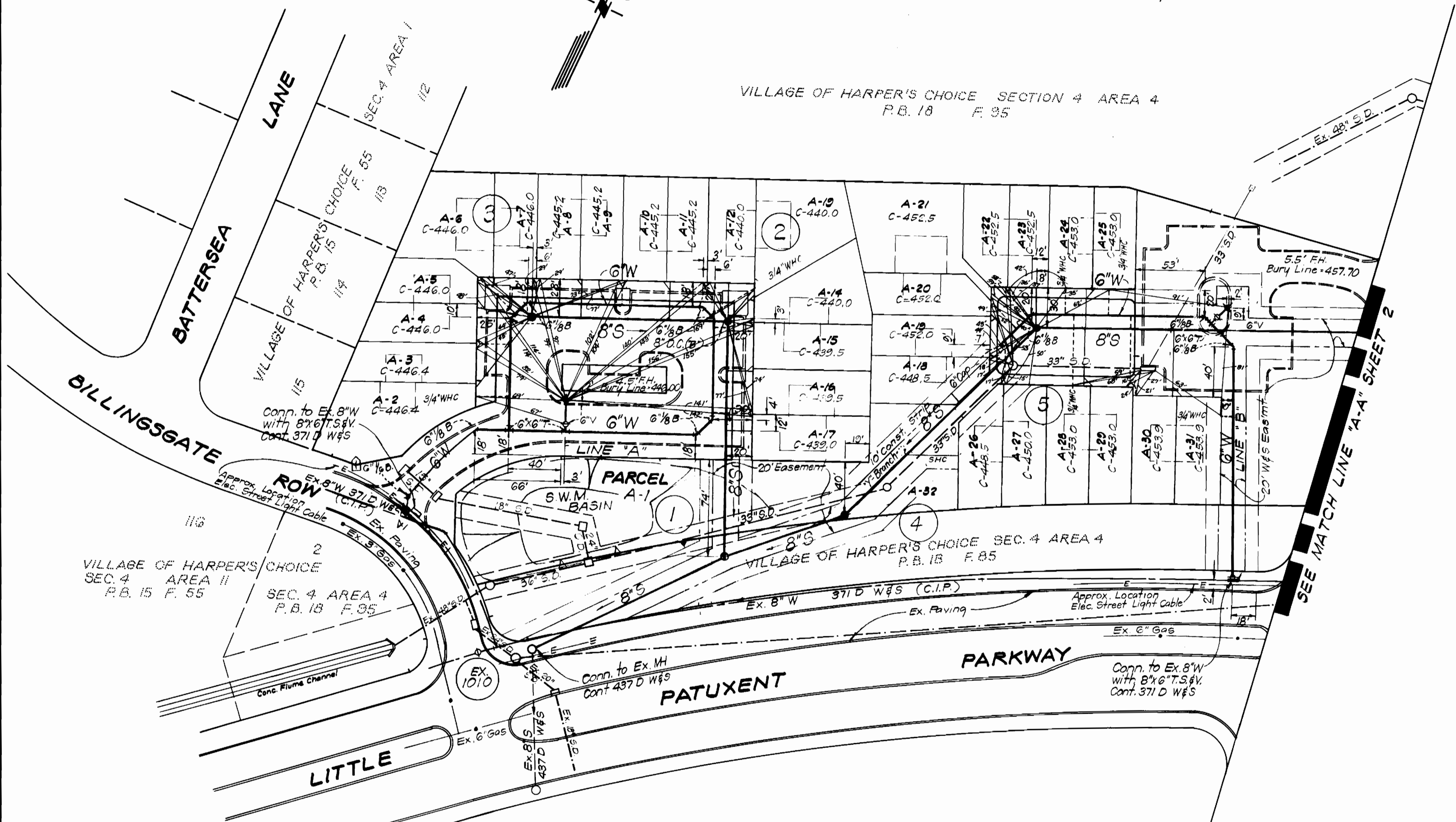


Type of Buildings	Duplex
Number of Lots	44
Number of Water House Connections	44
Number of Sewer House Connections	44
Drainage Area	Little Patuxent



VILLAGE OF HARPER'S CHOICE SECTION 4 AREA 4  
P.B. 18 F. 95



**GENERAL NOTES**

- All water mains to be C.I.P. or D.I.P. unless otherwise shown.
- Top of all water mains to have a minimum of 3.5 ft cover unless otherwise noted.
- All valves shall be strapped to tees in accordance with standard details.
- Block all fittings with concrete, see standards bound in specifications.
- Bury line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with standard details. Soil around the fire hydrants to be compacted in accordance with Section 5-15 of the Standard Specifications.
- All sewer mains shall be C.S.P.X., V.C.P.X., or A.C.P. Class 2400 unless otherwise noted.
- The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
- All manholes shall be 4'-0" inside diameter, unless otherwise noted.
- Approximate locations 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.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on U.S.G.S. Datum.
- All pipe elevations shown are invert elevations.
- Clear all utilities by a minimum of 6'; clear all poles by 2'-0" minimum or tunnel as required.
- For all standard details see standards bound in specifications.
- Contractor shall locate existing utilities in advance of construction in the vicinity of proposed utilities.
- Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans.  
 State Highway Administration - 531-5533  
 Baltimore Gas and Electric Company - Underground Electric Distribution Engineering - "Damage Control" - 234-5661  
 Baltimore Gas and Electric Company - Underground Gas Distribution Engineering - 559-0100  
 Chesapeake and Potomac Telephone Co. - 725-9976  
 American Telephone and Telegraph - Cable Location Division - 301-393-3553  
 Colonial Pipeline Company - 781-4641
- 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.
- Contractor shall remove trees, stumps and roots along line of excavation as directed by the Engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill for Water and Sewer mains.
- Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.

NOTE: CELLAR ELEVATIONS SHOWN REPRESENT THE MINIMUM SEWERABLE ELEVATIONS.



*S. No. Cant*  
8-2-79

QUANTITIES (CONT.)			
ITEM	BID	AS-BUILT	MATERIAL-SUPPLIER
3/4" Copper	540'	557'	TYPE K HOWELL
1" Copper	503'	531'	TYPE K HOWELL
6" Sewer	1200'	1031'	CERTAIN-TEED, ACP

QUANTITIES			
ITEM	BID	AS-BUILT	MATERIAL/SUPPLIER
6" Water	1191'	1196'	ATLANTIC STATES D.I.P.
12" Water	285'	285'	ATLANTIC STATES D.I.P.
8" Sewer	1380'	1261'	CERTAIN-TEED, ACP
F.H.	3	3	AMERICAN DARLING

COLUMBIA  
"VILLAGE OF HARPER'S CHOICE"  
PARCELS A-1 & B-1  
LOTS A-2 THRU A-32 & B-2 THRU B-16  
CONTRACT NO. 2867 D W&S

**DEPARTMENT OF PUBLIC WORKS**  
HOWARD COUNTY, MARYLAND  
James L. Kelly, Chief Bureau of Utilities  
10/29/79  
10/29/79  
DATE

**CLARK • FINEFROCK & SACKETT**  
ENGINEERS • PLANNERS • SURVEYORS  
11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND • (301) 593-3400

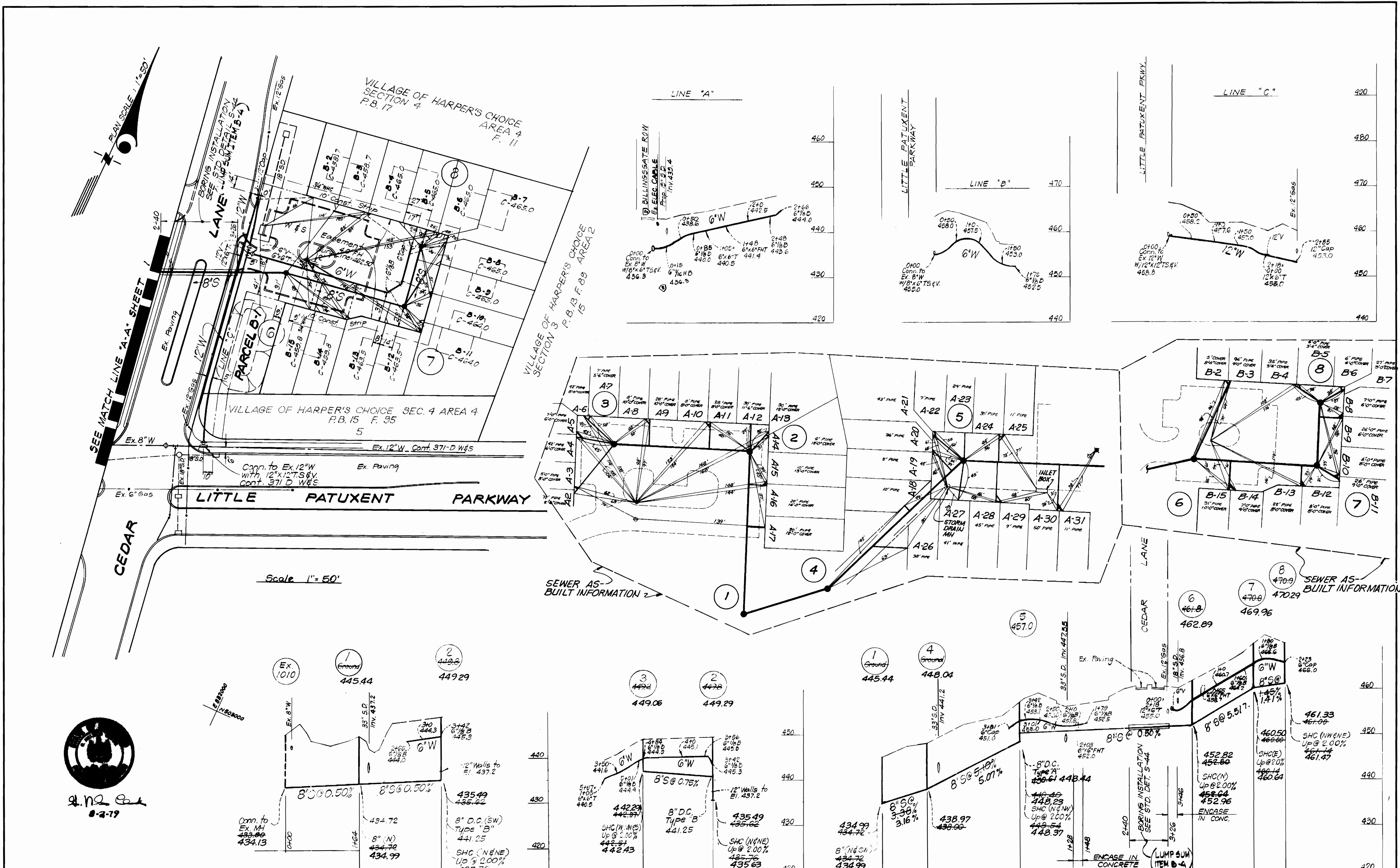
**DEPARTMENT OF PUBLIC WORKS**  
HOWARD COUNTY, MARYLAND  
V. F. Nimmis, Director of Public Works  
10-30-79  
DATE

CONTRACT NO. 2867 D W&S

**PLAN OF WATER & SEWER MAINS**

**COLUMBIA VILLAGE OF HARPER'S CHOICE ELECTION DISTRICT No. 5**

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



DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*James L. King* Chief Bureau of Utilities  
*Robert S. Brown* Chief Bureau of Engineering

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*Younk F. Nimmus* Director of Public Works

CONTRACT NO. 1007 D WES

PLAN AND PROFILE OF  
 WATER & SEWER MAINS

COLUMBIA  
 VILLAGE OF HARPER'S CHOICE  
 ELECTION DISTRICT No. 5

DRAWING NO. 2 OF 2  
 SCALE: HOR. 1"=100' VER. 1"=10'

Revised 2/29/80 - Profile - MH#5 to MH#7

AS-BUILT APRIL 8, 1980