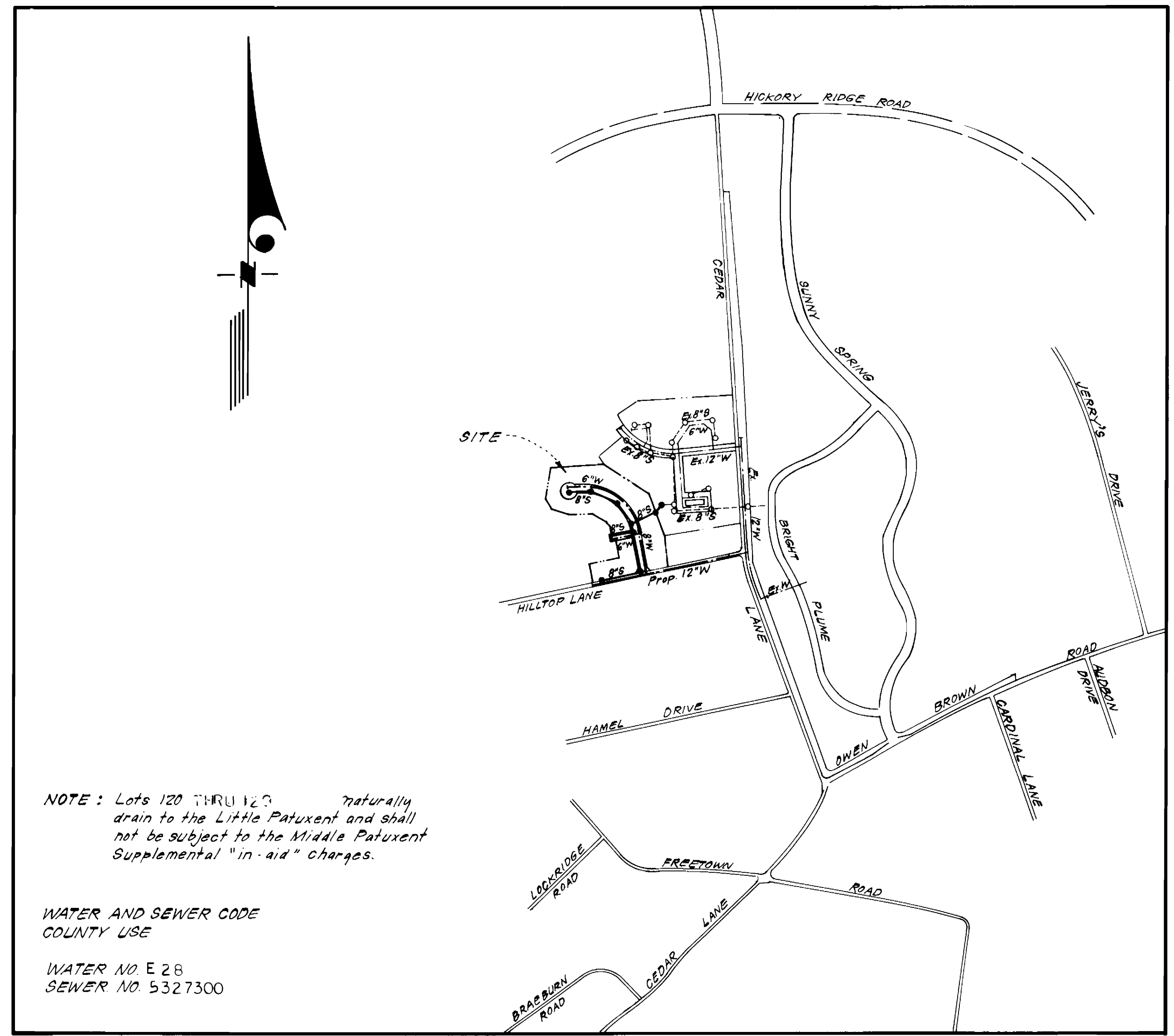


Type of Buildings	Single Family
Number of Lots	32
Number of WHC	32
Number of SHC	32
Drainage Area	Little Patuxent



VICINITY MAP

GENERAL NOTES

- 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 to the satisfaction of the Inspector, at the contractor's expense.
- 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. Any cost incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation and backfill.
- For details not shown on the drawings use Howard County Standard Details.
- For materials and construction methods use Howard County Standard Specifications & Ho. Co. Design Manual, Volume 3. The contractor shall have a copy of Volume 3 on the job.
- Contractor shall locate existing utilities a minimum of two (2) weeks in advance of construction operations in the vicinity of proposed utilities at his own expense.
- Contractor shall notify the following utilities or agencies at least five (5) working days before starting work shown on these plans.
 - State Highway Administration - 531-5533
 - Baltimore Gas & Electric Company - Contractor Services - 561-2585
 - Baltimore Gas & Electric Company - Underground Damage Control - 234-5621
 - Baltimore Gas & Electric Company - Trouble Shooting - 298-9013
 - "Miss Utility" - 1-559-0100
 - Chesapeake & Potomac (C & P) Telephone Company - 725-9976
 - Colonial Pipeline Company - 795-1390
 - Bureau of Utilities Howard County - 992-2366
- 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 Inspector. Payment for such removal shall be included in the unit price bid for excavation and backfill.
- 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.
- All water mains to be D.I.P. unless otherwise noted.
- Top of all water mains to have a minimum of 3'-1/2' cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- Block all fittings with concrete.
- 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 hydrant to be compacted in accordance with Section 10.03 of the Standard Specifications.
- All water house connections shall be for an inside meter setting.
- The contractor shall not operate any water main valves on the existing system.
- All sewer mains shall be C.S.P.X., V.C.P.X., P.V.C., 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.
- Water main and water house connection lines must have a minimum of one foot separation from the sanitary sewer and sewer house connections as they cross. Except at crossings, water and sewer lines shall have a minimum horizontal separation of 10'.
- For all Copper Water House Connections, utilize flared type fittings only.
- Wall thicknesses given on profiles for manholes are applicable only for brick manholes.

CONTRACT NO. 34 - 1272-D

CEDAR ACRES
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

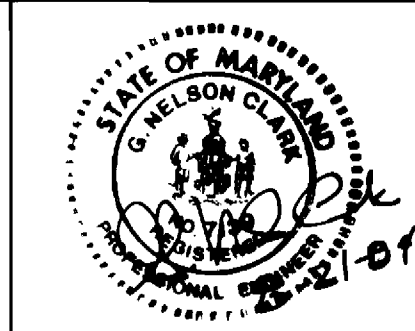
Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications B with Road Construction Plan F.84.187 ; Drawings 3 & 4, Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.
James H. Hahn 8-28-84
SIGNATURE DATE
U.S. SOIL CONSERVATION SERVICE
This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
APPROVED:
Stephen F. Fahn 8-28-84
HOWARD S.C.D. DATE

ITEM	QUANTITIES		MATERIAL / SUPPLIER
	ESTIMATED	AS-BUILT	
6"W	400 L.F.	454	D&P Water & Sewer Supplies Inc.
8"W	807 L.F.	826	" "
12"W	1069 L.F.	1077	" "
F.H.	5 EA.	5	" "
6"W exc. F.H.V.	1 EA.	1	" "
8"V	2 EA.	2	" "
12"V	1 EA.	1	Atlantic-Precast Conc. Corp.
Manholes	9 EA.	9	D&P Water & Sewer Supplies Inc.
3/4" WHC	357 L.F.	364	" "
1" WHC	310 L.F.	341	" "
6" SHC	648 L.F.	703	" "
8" S	1658 L.F.	1613.90	" "

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
James F. Neuhoff 9-5-84
DIRECTOR OF PUBLIC WORKS DATE
Robert W. Bringer 9-9-84
CHIEF, BUREAU OF UTILITIES DATE
William G. F. 9-8-84
CHIEF, LAND DEVELOPMENT DIV. DATE

CFE CLARK - FINEFROCK & SACKETT
ENGINEERS - PLANNERS - SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
(301) 593-3400

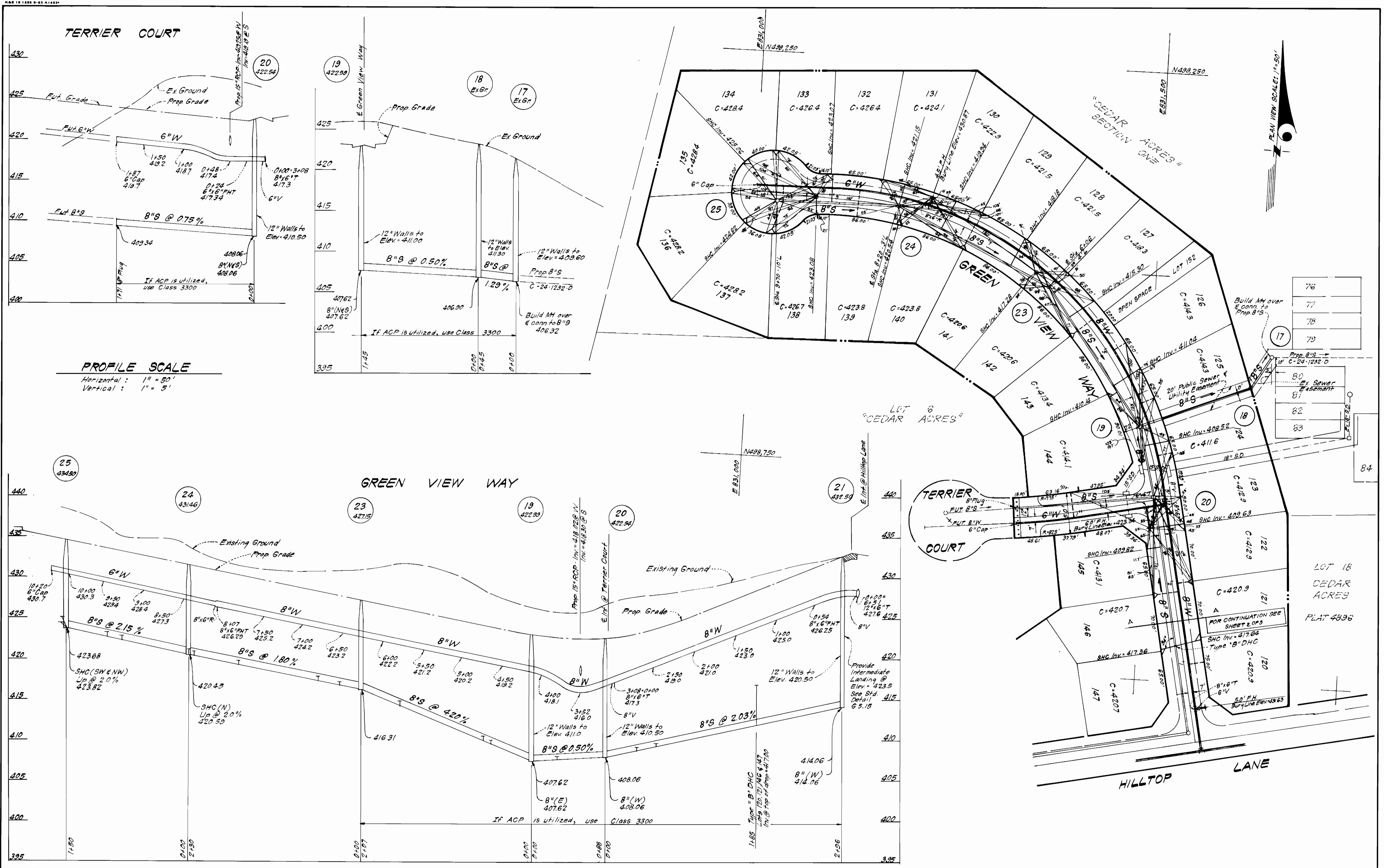


DES: C.K.G.			
DRN: V.L.B.			
CHK: C.K.G.			
DATE: 6/84	BY: NO.	REVISION	DATE

VICINITY MAP AND GENERAL NOTES
600' SCALE MAP NO. 35 BLOCK NO.

CEDAR ACRES SECTION TWO
ELECTION DISTRICT NO. 5
CONTRACT NO. 34-1272-D

SCALE 1"=600'
SHEET 1 OF 3



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: *W. F. ...* 9-5-84
 Chief, Bureau of Engineering: *...* 9-1-84
 Chief, Bureau of Utilities: *...* 9-1-84

CFE CLARK · FINEFROCK & SACKETT
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DES: C.K.G.					
DRN: V.L.B.					
CHK: C.K.G.					
DATE: 6/84	BY: NO.	REVISION	DATE	600' SCALE MAP NO. 35	BLOCK NO.

PLAN & PROFILES OF
 WATER & SEWER MAINS

CEAR ACRES
 SECTION TWO
 ELECTION DISTRICT NO. 5
 CONTRACT NO. 34-1272-D
 SCALE AS SHOWN
 SHEET 3 OF 3

As Built March 26, 1985