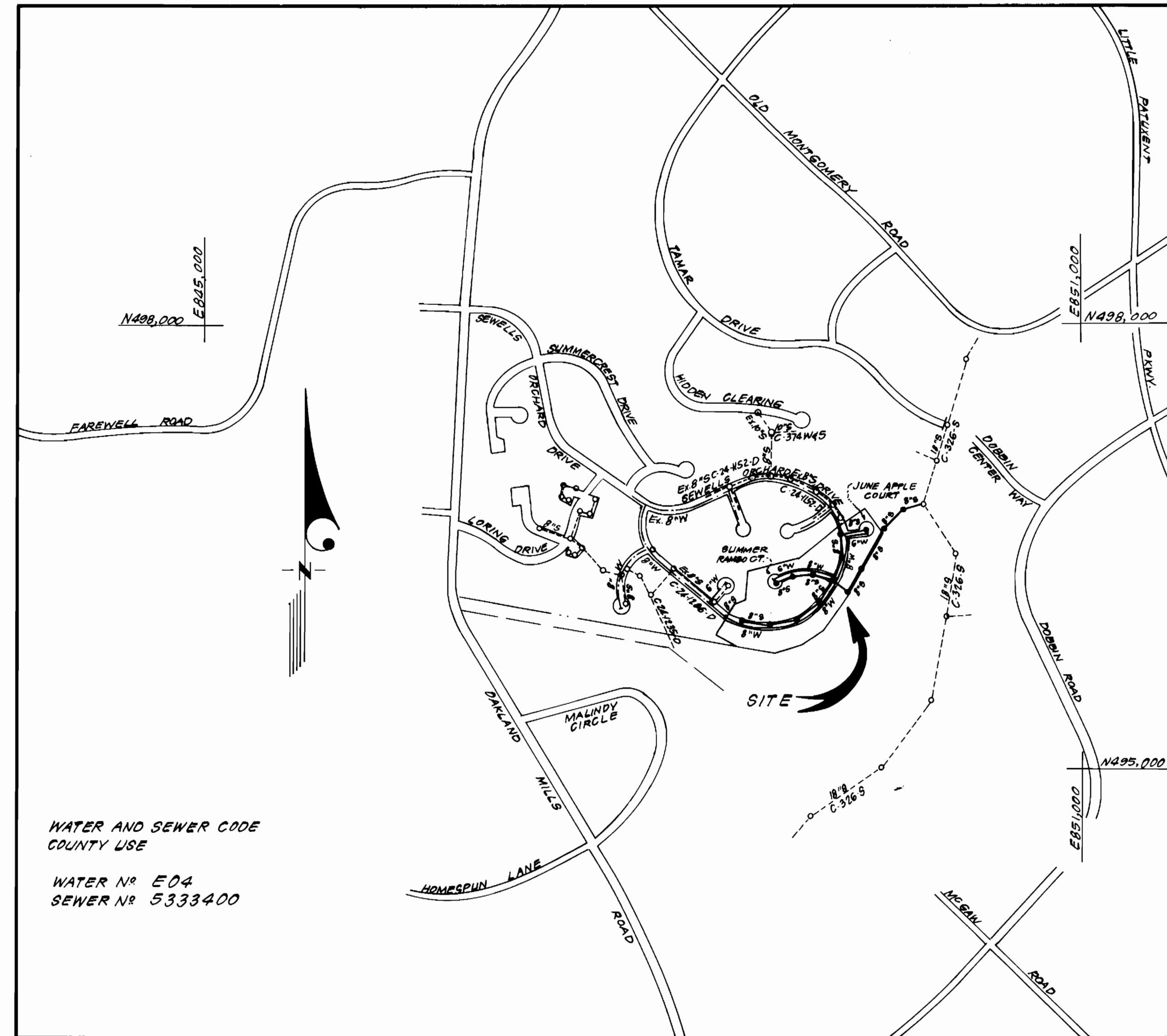


TYPE OF BUILDING	Single Family
NUMBER OF UNITS	49
NUMBER OF SHC's	49
NUMBER OF WHC's	49
DRAINAGE AREA	Little Patuxent River



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, 4th Ed. Design Manual, Volume II. The contractor shall have a copy of Volume IX of the 1987 Design Manual, Volume II. The contractor shall have a copy of Volume IX of the 1987 Design Manual, Volume II.
- 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 - Under-ground 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 Sections 1003 & 1008 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.

CONTRACT NO. 24-1336-D  
 SEWELLS ORCHARD  
 SECTION 4 AREA 2  
 HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS

QUANTITIES			
ITEM	ESTIM'D	AS-BUILT	MATERIAL/SUPPLIER
8"S	2593 L.F.	2536.6 L.F.	PVC/ BELLAIR SUPPLY
4"MH	15 EA.	15 EA.	CONC/ ATLANTIC CONC.
8"W	1638 L.F.	1669 L.F.	D.I.P./ GRIFFIN PIPE
6"W	332 L.F.	330 L.F.	" " " "
F.H.	4 EA.	4 EA.	D.I.P./ BELLAIR RD. SUPP.
8"V	2 EA.	2 EA.	" " " "
6"V (excl. FMV)	1 EA.	1	" " " "
6" SHC	1086 L.F.	1035.5 L.F.	PVC/ " " "
1" WHC	449 L.F.	449 L.F.	COPPER/ " " "
3/4" WHC	578 L.F.	578 L.F.	" " " "

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications & with Road Construction Plan F.95-71 ; Drawing 3 , Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.  
 Signature: *James M. Williams* DATE: 3/25/85  
 U.S. SOIL CONSERVATION SERVICE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED:  
 Signature: *Stephen L. Hahn* DATE: 3/25/85  
 HOWARD S.C.D.

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*Robert M. Beine* 3-26-85  
 CHIEF, BUREAU OF UTILITIES

*William J. F.* 3-27-85  
 CHIEF, LAND DEVELOPMENT DIV.

CLARK - FINEPROCK & SACKETT  
 ENGINEERS - PLANNERS - SURVEYORS  
 4315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904  
 (301) 593-3400

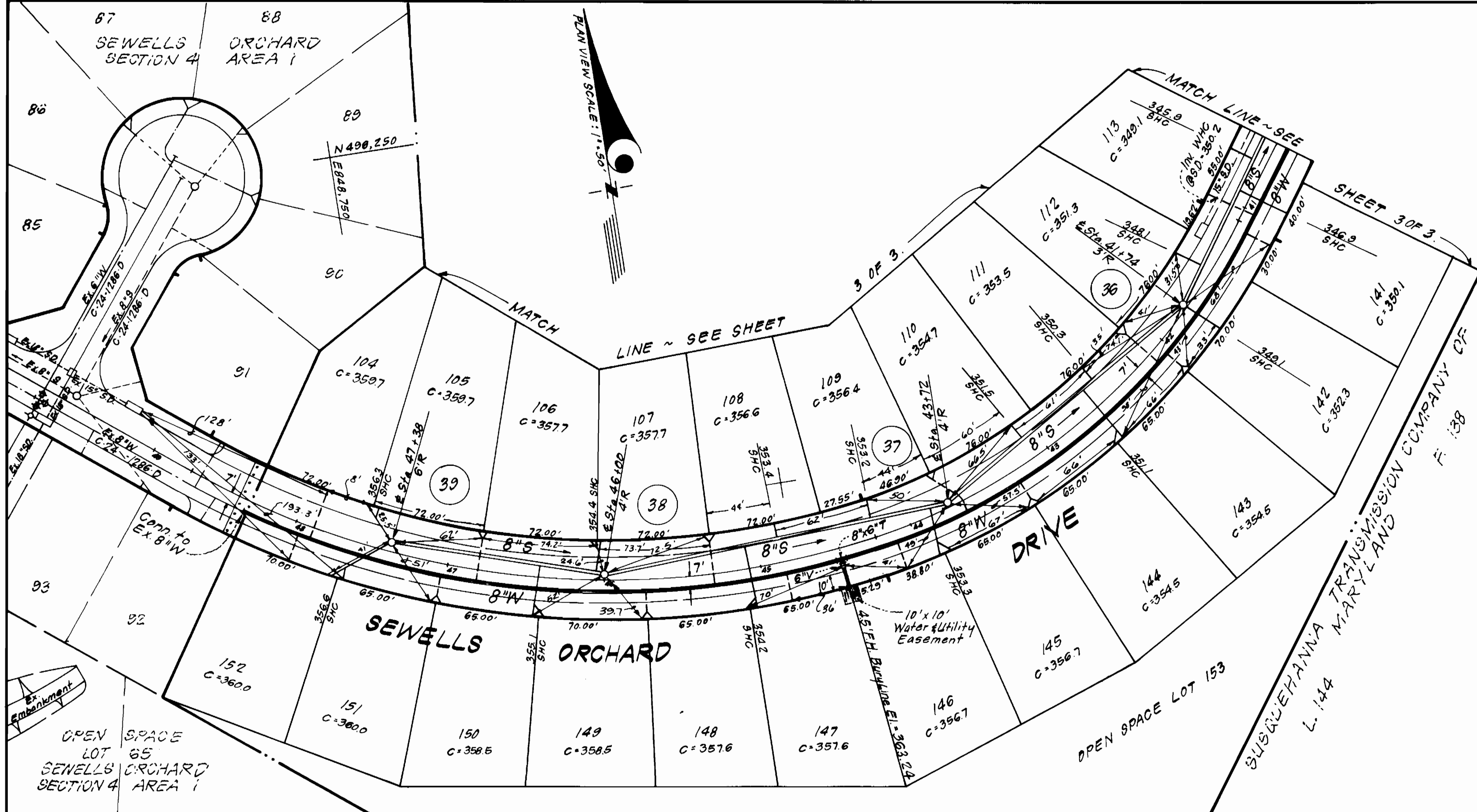


DES: C.K.G.			
DRN: V.L.B.			
CHK: C.K.G.			
DATE: 11/84	BY NO.	REVISION	DATE

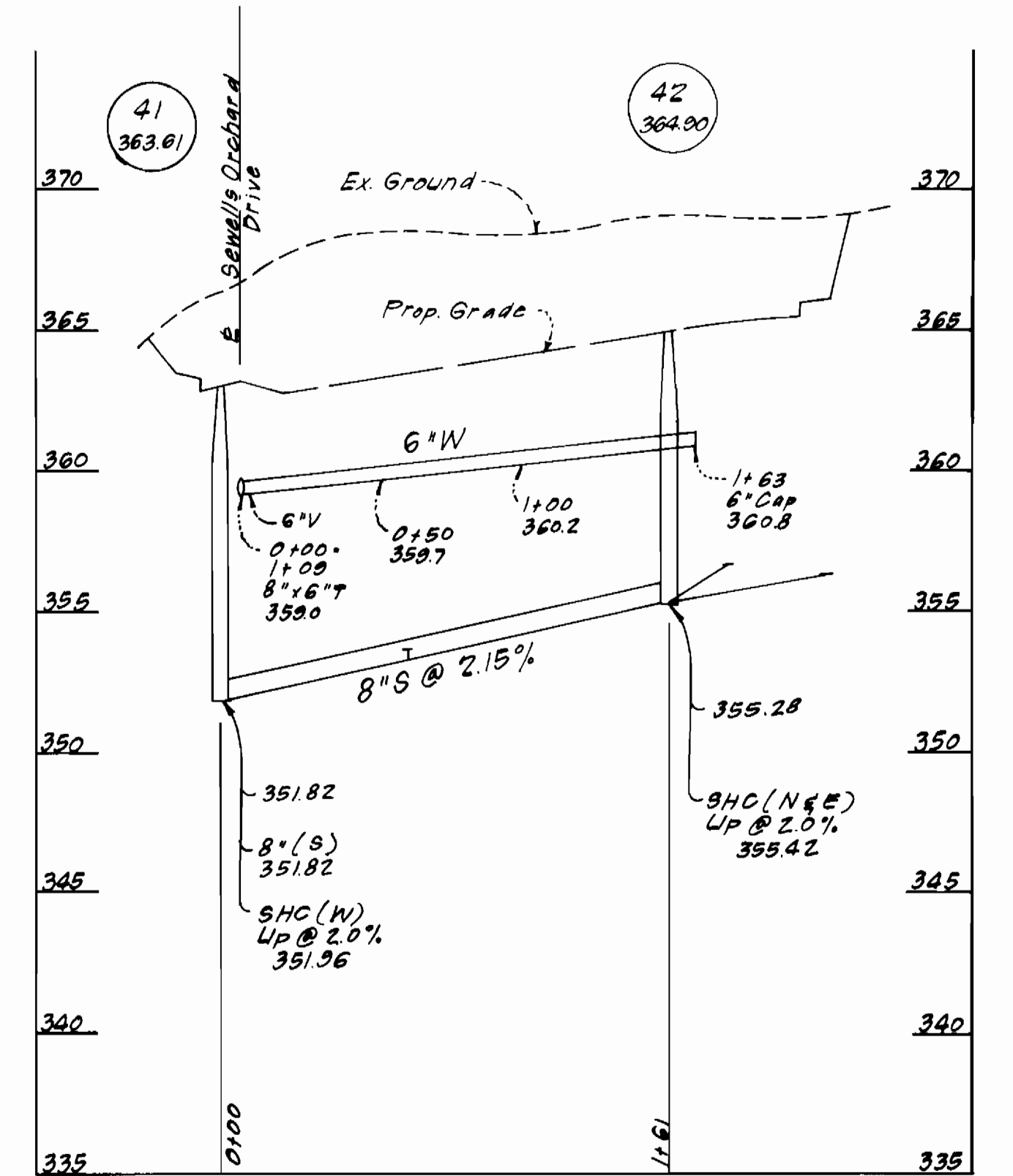
TITLE SHEET  
 600' SCALE MAP NO. 36 BLOCK NO.

SEWELLS ORCHARD  
 SECTION 4 AREA 2  
 6<sup>TH</sup> ELECTION DISTRICT  
 CONTRACT NO. 24-1336-D

SCALE  
 1"=600'  
 SHEET  
 1 OF 3

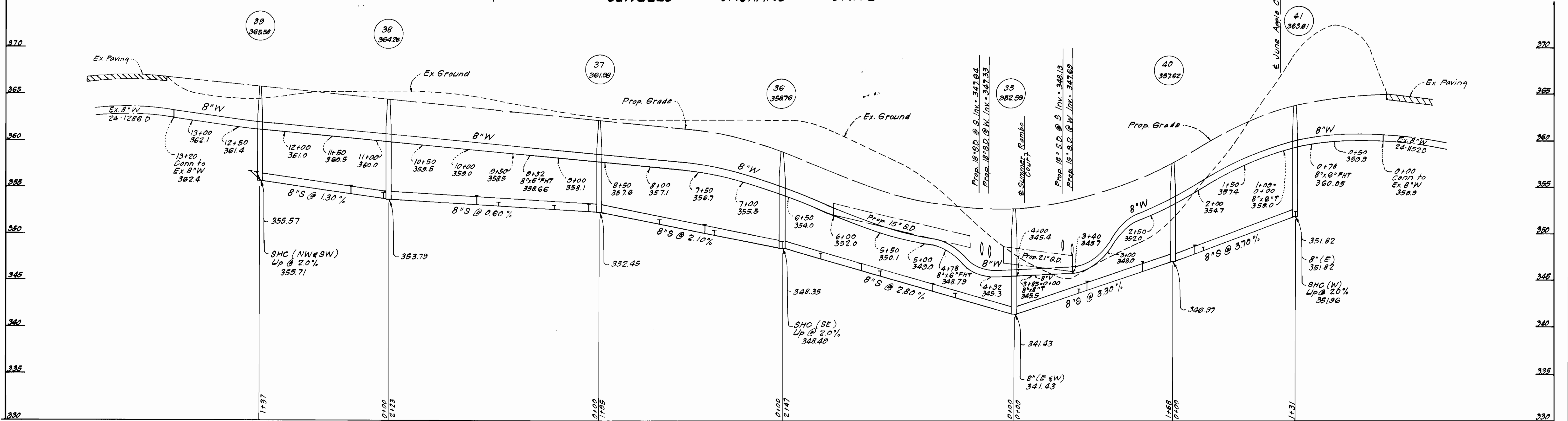


JUNE APPLE COURT



PARCEL "A"  
BALTIMORE GAS & ELECTRIC SUBSTATION  
OAKLAND MILLS ROAD  
PB 18 F 74

SEWELLS ORCHARD DRIVE



PROFILE SCALE  
VERTICAL: 1" = 5'  
HORIZONTAL: 1" = 50'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

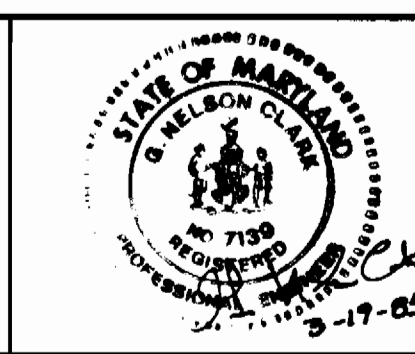
*Steve E. Neuman* 3-28-85  
DIRECTOR OF PUBLIC WORKS DATE

*Robert M. Beaman* 3-26-85  
CHIEF, BUREAU OF UTILITIES DATE

*William H. ...* 3-27-85  
CHIEF, LAND DEVELOPMENT DIV. DATE

**CFS** CLARK · FINEPROCK & SACKETT  
ENGINEERS · PLANNERS · SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904  
(301) 593-3400

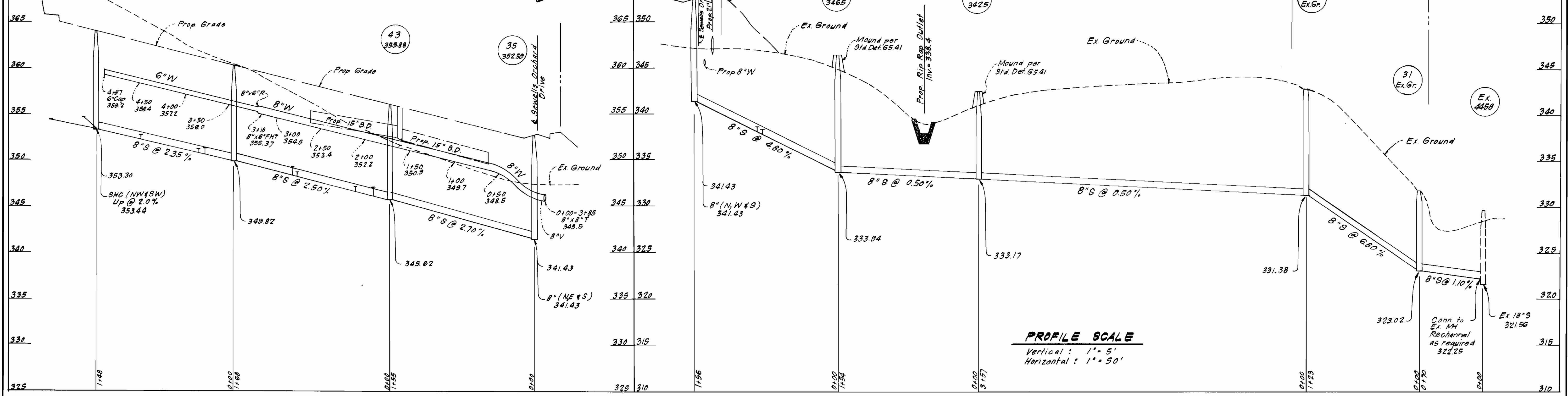
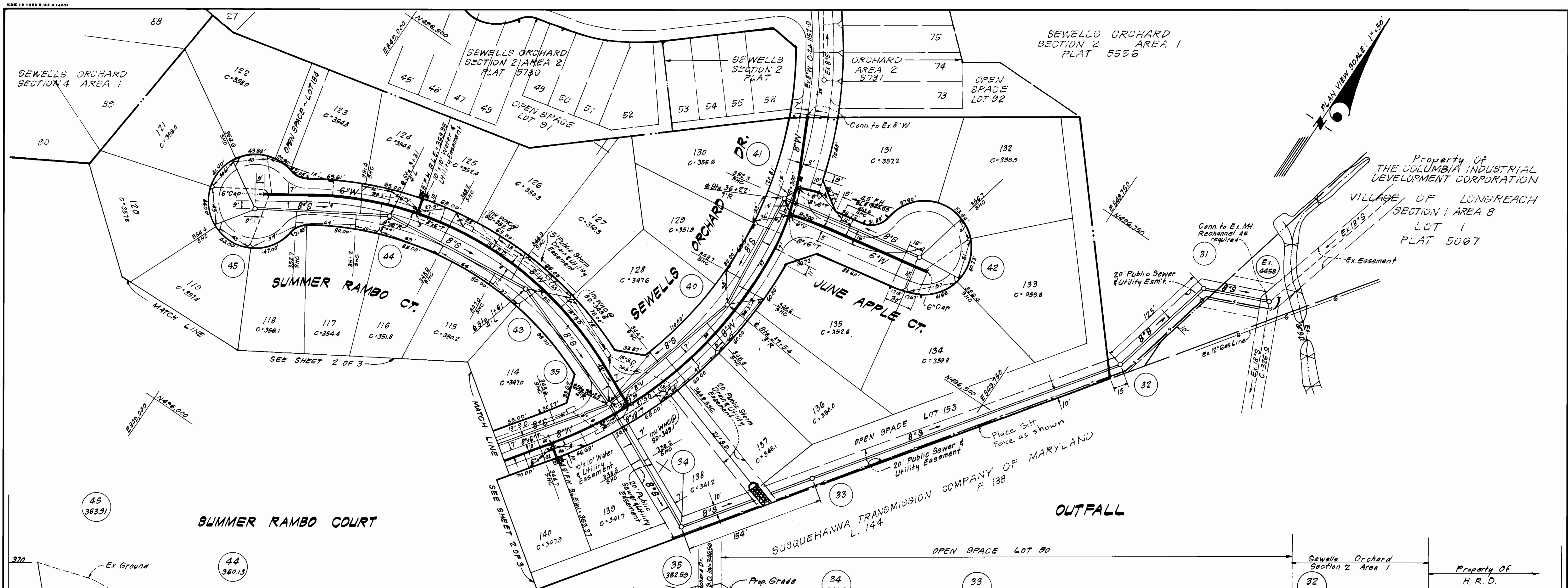


DES: C.K.G.	VLB	1	Extended F.H. location, added 10'x10' Esm't.	6-14-85
DRN: V.L.B.				
CHK: C.K.G.				
DATE: 11/84	BY	NO.	REVISION	DATE

PLAN & PROFILES OF  
WATER & SEWER MAINS

SEWELLS ORCHARD  
SECTION 4 AREA 2  
6<sup>TH</sup> ELECTION DISTRICT  
CONTRACT NO. 24-1336-D

SCALE AS SHOWN  
SHEET 2 OF 3



**PROFILE SCALE**  
 Vertical: 1" = 5'  
 Horizontal: 1" = 50'

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 Director of Public Works: *John F. Niemi* 12-85  
 Chief, Bureau of Engineering: *Richard M. ...* 3-26-85  
 Chief, Bureau of Utilities: *...* 3-26-85

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



DES: C.K.G.	V.L.B. 1	Revised Rip Rap between MH's 33 & 34	5-10-85
	V.L.B. 2	Revised Grading at MH's 31 & 32	5-20-85
DRN: V.L.B.	V.L.B. 3	Extended F.H. location, added 10'x10' Esm't.	6-14-85
CHK: C.K.G.			
DATE: 11/84	BY: NO.	REVISION	DATE

PLAN & PROFILES OF  
 WATER & SEWER MAINS  
 600' SCALE MAP NO. 36 BLOCK NO. \_\_\_\_\_

SEWELLS ORCHARD  
 SECTION 4 AREA 2  
 6<sup>TH</sup> ELECTION DISTRICT  
 CONTRACT NO. 24-1336 - D

SCALE AS SHOWN  
 SHEET 3 OF 3

10/1/85