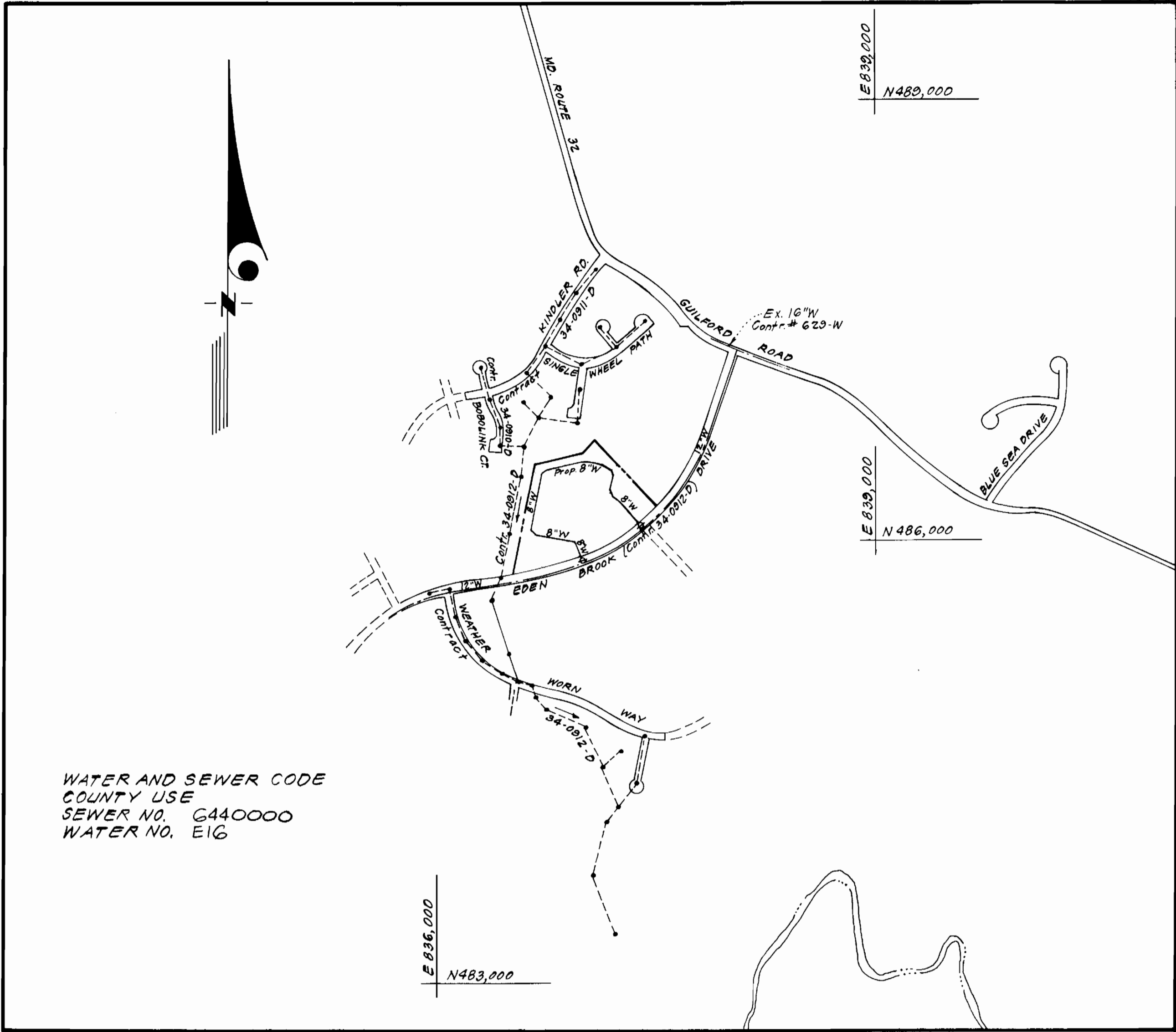


TYPE OF BUILDING	Apartments
NUMBER OF UNITS	232
NUMBER OF WHC	9



WATER AND SEWER CODE
 COUNTY USE
 SEWER NO. G440000
 WATER NO. E1G

VICINITY MAP
 Scale: 1" = 600'

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 to the satisfaction of the inspector, at the contractor's expense.
2. All horizontal controls are based on Maryland State Coordinates.
3. All vertical controls are based on U.S.G.S. Datum.
4. All pipe elevations shown are invert elevations.
5. 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.
6. For details not shown on the drawings use Howard County Standard Details.
7. For materials and construction methods use Howard County Standard Specifications.
8. 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.
9. 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 - Underground Electric Distribution Customer Service - 685-0123
 - Baltimore Gas & Electric Company - Underground Gas Distribution Customer Service - 685-0123
 - Engineering - Damage Control - 234-5621
 - "Miss Utility" - 1-859-0100
 - Chesapeake & Potomac (C & P) Telephone Company - 725-9976
 - American Telephone and Telegraph - Cable Location Division - 393-3553
 - Colonial Pipeline Company - 781-4641
 - Bureau of Utilities Howard County - 992-2366
10. 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.
11. 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.
12. 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.
13. All water mains to be C.I.P. or D.I.P. unless otherwise noted.
14. Top of all water mains to have a minimum of 3'-1/2' cover unless otherwise noted.
15. Valves adjacent to tees shall be strapped to tees.
16. Block all fittings with concrete.
17. 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 5-15 of the Standard Specifications.
18. All water house connections shall be for an meter setting.
19. The contractor shall not operate any water main valves on the existing system.
20. 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.
21. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole well.
22. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
23. 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'.
24. Except for the "Laundry Bldg." all Water House Connections off of Public Mains shall be for an outside meter setting. Vault locations are shown thus: [Symbol] (see Special Provisions). "Laundry Bldg." shall have an inside meter setting. W.H.C.'s shall have a cut off at the Main.

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications & with Site Development Plan SDP 83-91; Drawings 4.5 & 4.6, Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
 James M. [Signature] 4/13
 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 [Signature] 4/13
 Howard S.C.D. DATE

CONTRACT NO.44-1102-D W
VILLAGE OF KINGS CONTRIVANCE
SECTION 2 AREA 3
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS



Sh. Nelson Clark
 2-8-83

ITEM	QUANTITIES		MATERIAL/SUPPLIER
	ESTIM'D	AS-BUILT	
4" W	9'	10'	D.I.P. - SUPER BELL-TITE / GRAYPIPE PIPE PRODUCTS
8" W	1349'	1745'	D.I.P. - SUPER BELL-TITE / GRAYPIPE PIPE PRODUCTS
8" V	1	1	DRESSER PATENT PAT. FLOW IND. / INDUSTRIES
F.H.	5	5	DRESSER MODEL / FLOW IND. / INDUSTRIES
12" x 8" T.S. & V.	1	1	CLOW W.S. TYPING / FLOW IND. / INDUSTRIES

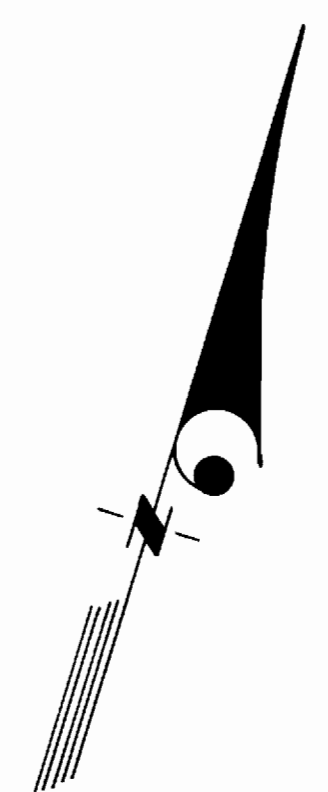
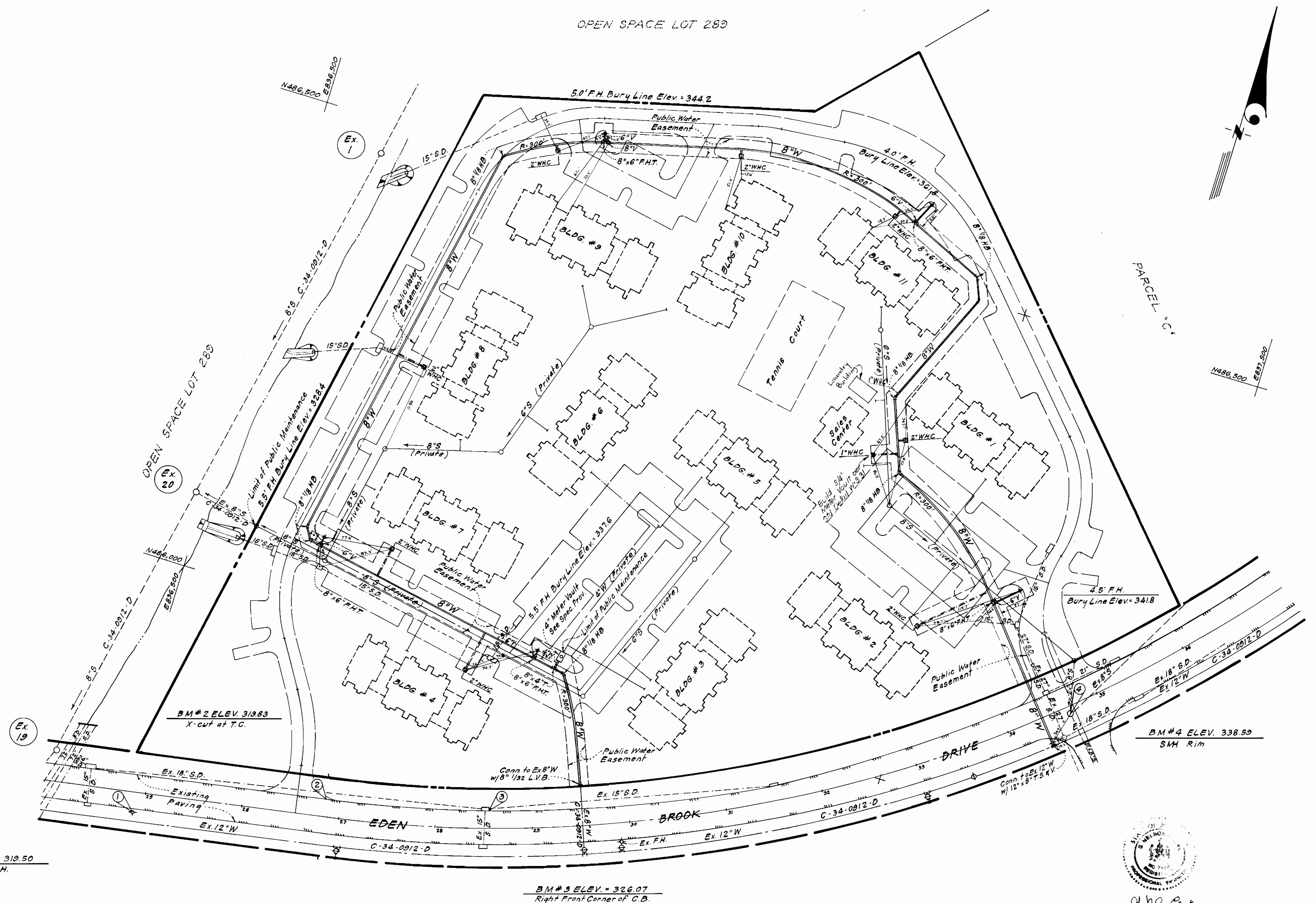
COLUMBIA
 PARCEL "D"
 VILLAGE OF KINGS CONTRIVANCE
 SECTION 2 AREA 3

10-6-83 Changed Meter Setting to Cut-off. Added WHC #1423
CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND • (301) 593-3400

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works - DATE 4-16-83
 Chief Bureau of Engineering - DATE 4-25-83
 Chief Bureau of Utilities - DATE 4-22-83
 Chief Land Development - DATE 4-25-83

CONTRACT NO. 44-1102-D	TITLE SHEET	COLUMBIA VILLAGE OF KINGS CONTRIVANCE 6TH ELECTION DISTRICT	DRAWING NO. 1 OF 3	SCALE As Shown
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AS-BUILT AUG. 1983



BM#1 ELEV. 319.50
Top of F.H.

BM#3 ELEV. = 326.07
Right Front Corner of C.B.

Q. H. Cook
2-8-83

11-16-83 Changed Meter setting to outside for S.C. 2 A.M. 1" W.H.C. #16422
12-22-83 Change 4" W.H.C. to 2" W.H.C. for Sales Center

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

John F. Neumann 4-26-83 *Richard S. Risley* 4/26/83
DIRECTOR OF PUBLIC WORKS - DATE CHIEF, BUREAU OF ENGINEERING - DATE

Robert H. Reisinger 4-22-83 *William D. ...* 4-21-83
CHIEF, BUREAU OF UTILITIES - DATE CHIEF, LAND DEVELOPMENT - DATE

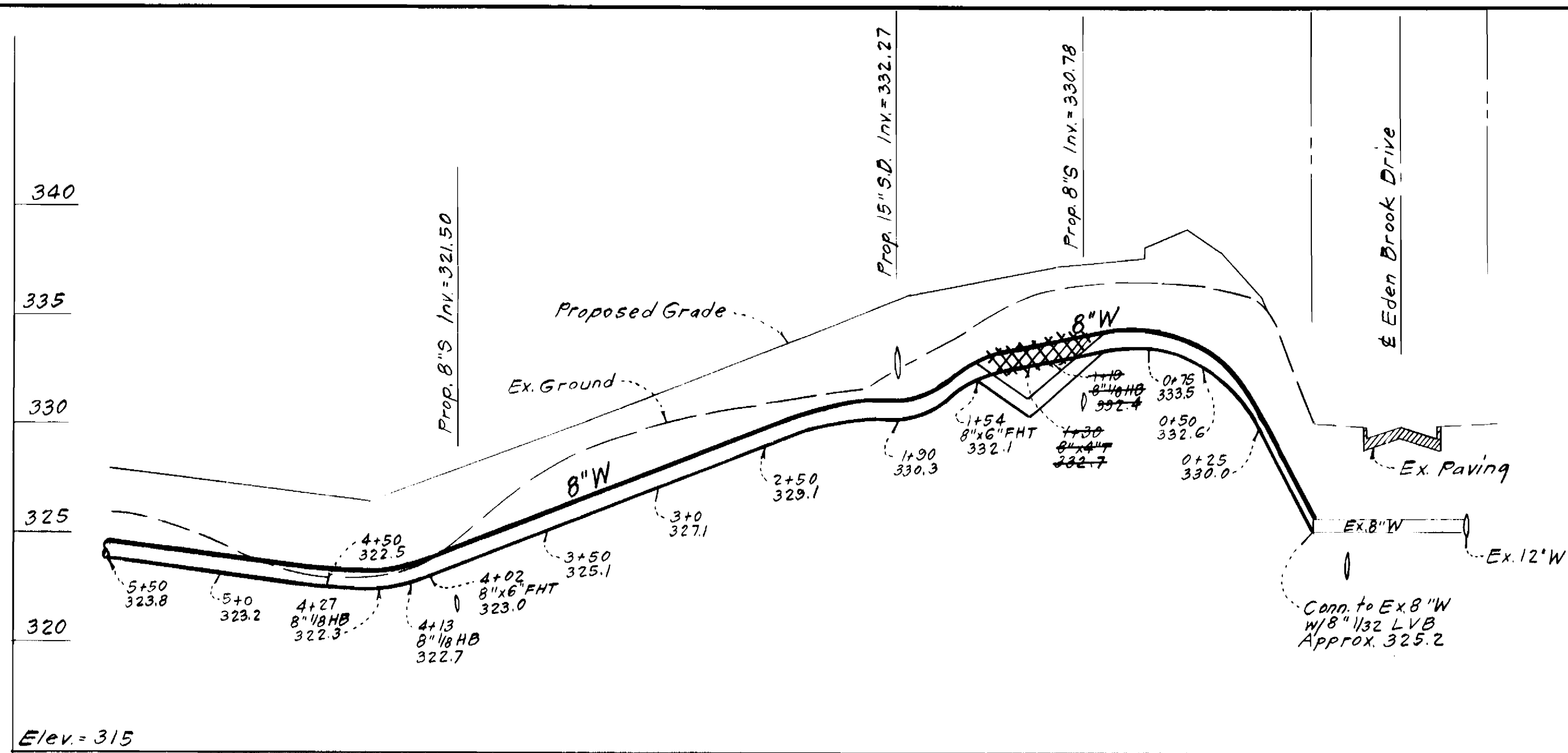
CONTRACT NO. 44-1102-D

PLAN OF
WATER MAIN

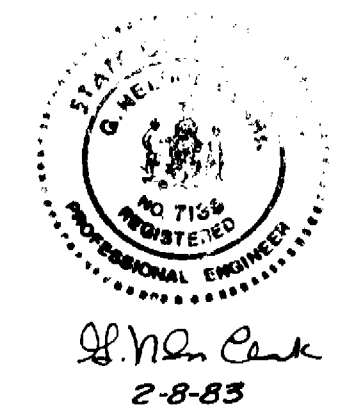
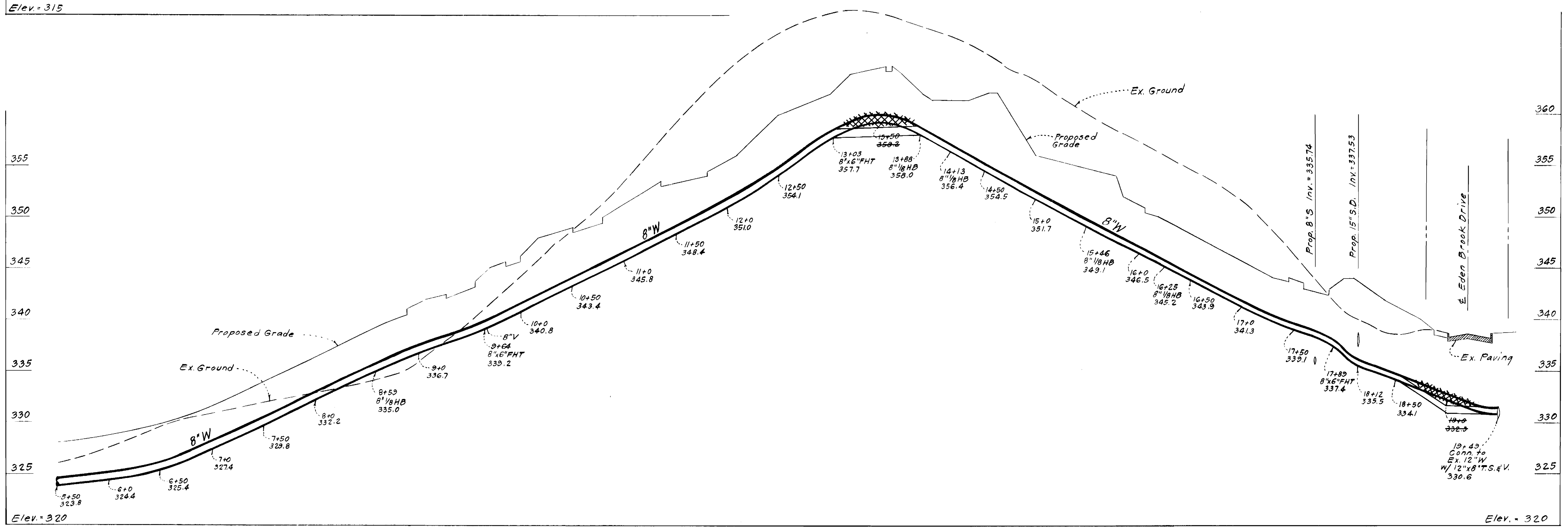
COLUMBIA
VILLAGE OF KINGS CONTRIVANCE
6TH ELECTION DISTRICT

DRAWING NO. <u>2</u>	SCALE
OF <u>3</u>	1" = 50'

AS-BUILT AUG. 1983



PROFILE SCALE
 Horiz: 1" = 50'
 Vert: 1" = 5'



CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND • (301) 593-3400	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Director of Public Works - Date: 4-26-83 Chief Bureau of Engineering - Date: 4-26-83 Chief Bureau of Utilities - Date: 9-22-83 Chief Land Development - Date: 4-26-83	CONTRACT NO. 44-1102-D	PROFILES	COLUMBIA VILLAGE OF KINGS CONTRIVANCE 6TH ELECTION DISTRICT	DRAWING NO. 3 OF 3	SCALE As Shown
	AS-BUILT AUG. 1983					