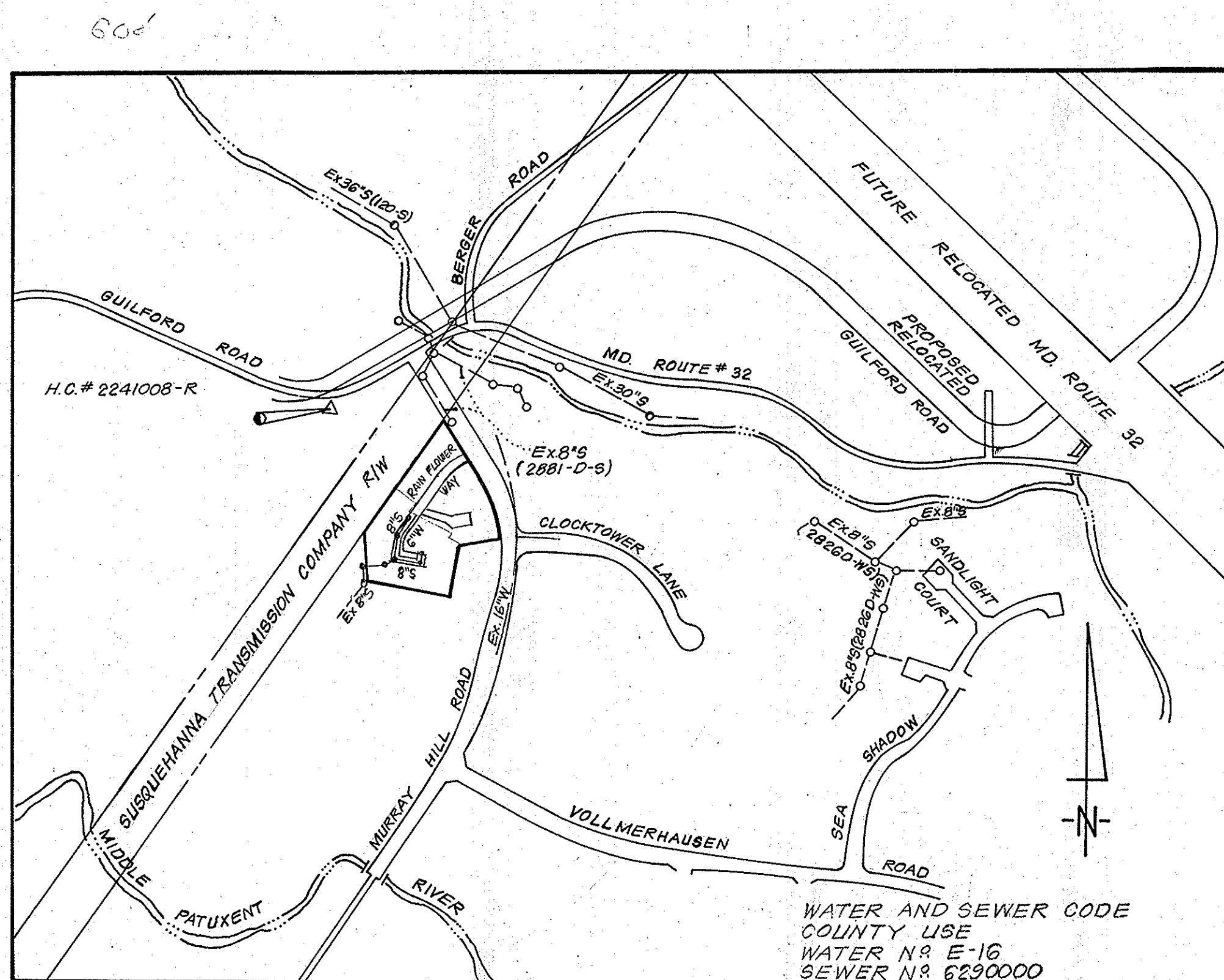


Type of Buildings	Residential Townhouses
Number of Lots	49
Number of Water House Connections	47
Number of Sewer House Connections	49
Drainage Area	Middle Patuxent



VICINITY MAP  
Scale: 1" = 800'

**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.
- 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 - 631-5533  
 Baltimore Gds & Electric Company - Underground Electric Distribution Customer Service - 085-0123  
 Baltimore Gas & Electric Company - Underground Gas Distribution Customer Service - 085-0123  
 Engineering - Damage Control - 234-5621  
 "Miss Utility" - 1-559-0100  
 Chesapeake & Potomac (C & P) Telephone Company - 726-9976  
 American Telephone and Telegraph - Cable Location Division - 393-3553  
 Colonial Pipeline Company - 781-4041  
 Bureau of Utilities Howard County - 002-2366
- 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 C.I.P. or 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 article 3701-3 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., 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 mains and water house connection lines must have at least one foot of separation from the sanitary sewer and sewer house connections as they pass above it.

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications and Road Construction Plan F-83-19.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

*James M. Helms*  
SIGNATURE DATE 10-16-82

U.S. SOIL CONSERVATION SERVICE

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

APPROVED:  
*Howard S.C.D.*  
SIGNATURE DATE 10-24-82

CONTRACT NO. 34-0984-D W&S  
VILLAGE OF KINGS CONTRIVANCE  
SECTION 3 AREA 2  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS



*J. M. Helms*  
10-4-82

COLUMBIA  
LOTS C-14 THRU C-62  
VILLAGE OF KINGS CONTRIVANCE  
SECTION 3 AREA 2  
PART II  
C. 34-0984-D

QUANTITIES			
ITEM	ESTM'D.	AS-BUILT	MATERIAL/SUPPLIER
8" S	930 LF	909	CLAY / LDGAN PIPE CO.
6" W	306 LF	319	D.I.P. / GRIFFIN PIPE CO.
8" W	270 LF	270	D.I.P. / GRIFFIN PIPE CO.
F.H.'S	1 Ea.	1	DARLING
6" V (Exc. FH)	1 EA.	1	M+H

REVISION: 414 183: REVISED GRADES TO AS BUILT GRADES

**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 CHIEF BUREAU OF ENGINEERING DATE  
*Robert M. Bennett* 10-27-82  
CHIEF BUREAU OF UTILITIES DATE CHIEF LAND DEVELOPMENT DIV. DATE

CONTRACT NO. 34-0984-D

TITLE SHEET

COLUMBIA  
VILLAGE OF KINGS CONTRIVANCE  
6TH ELECTION DISTRICT

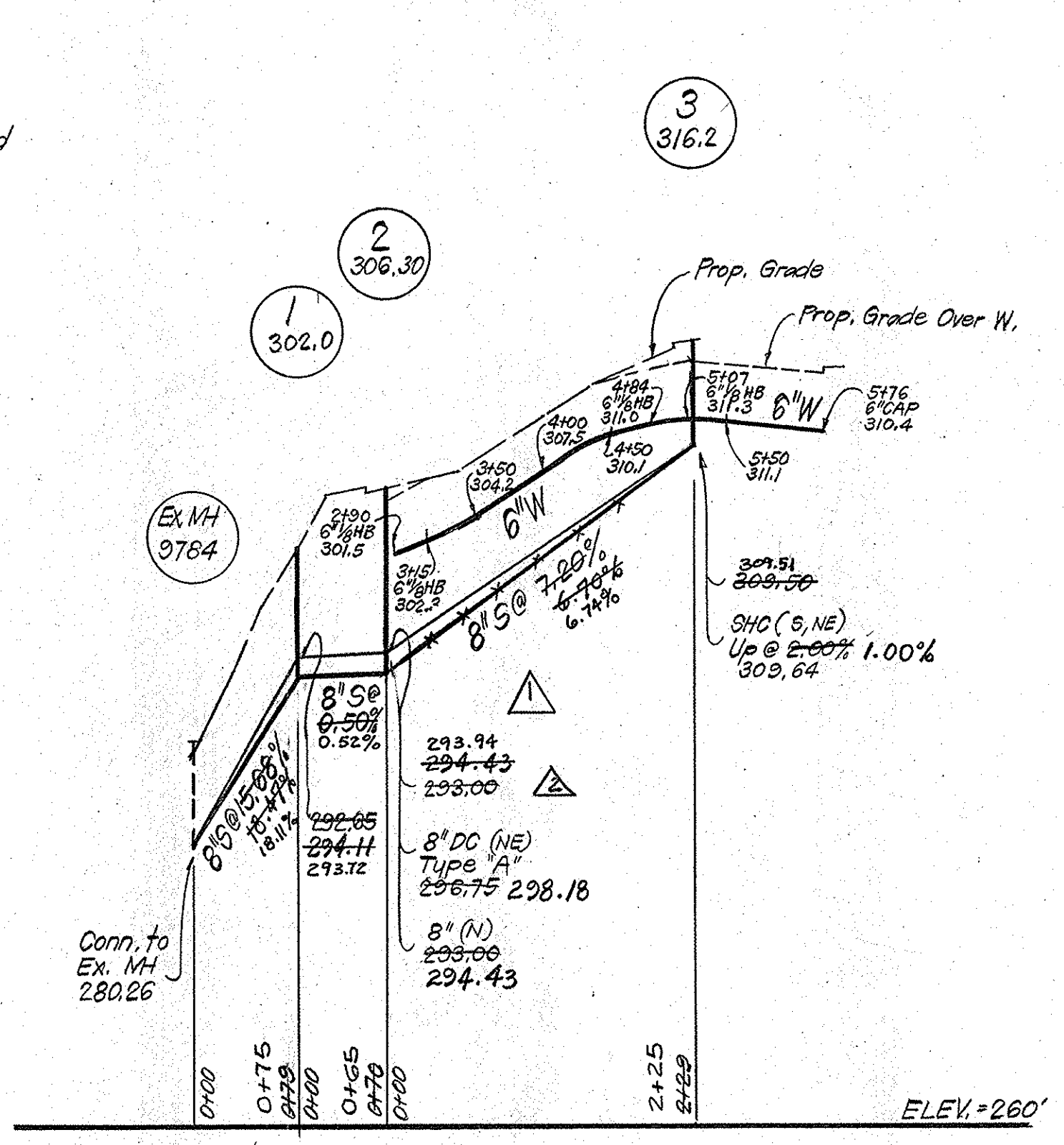
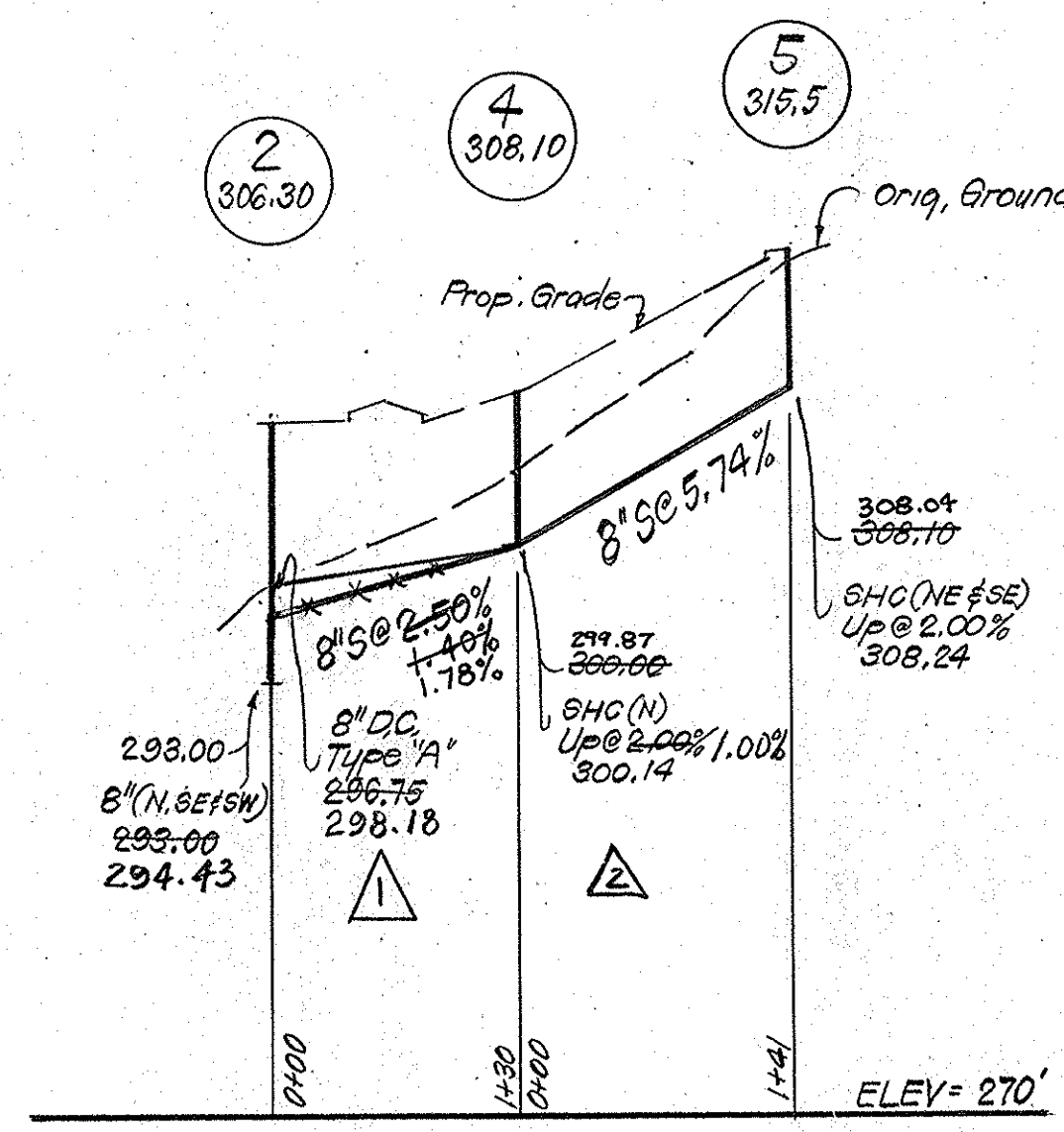
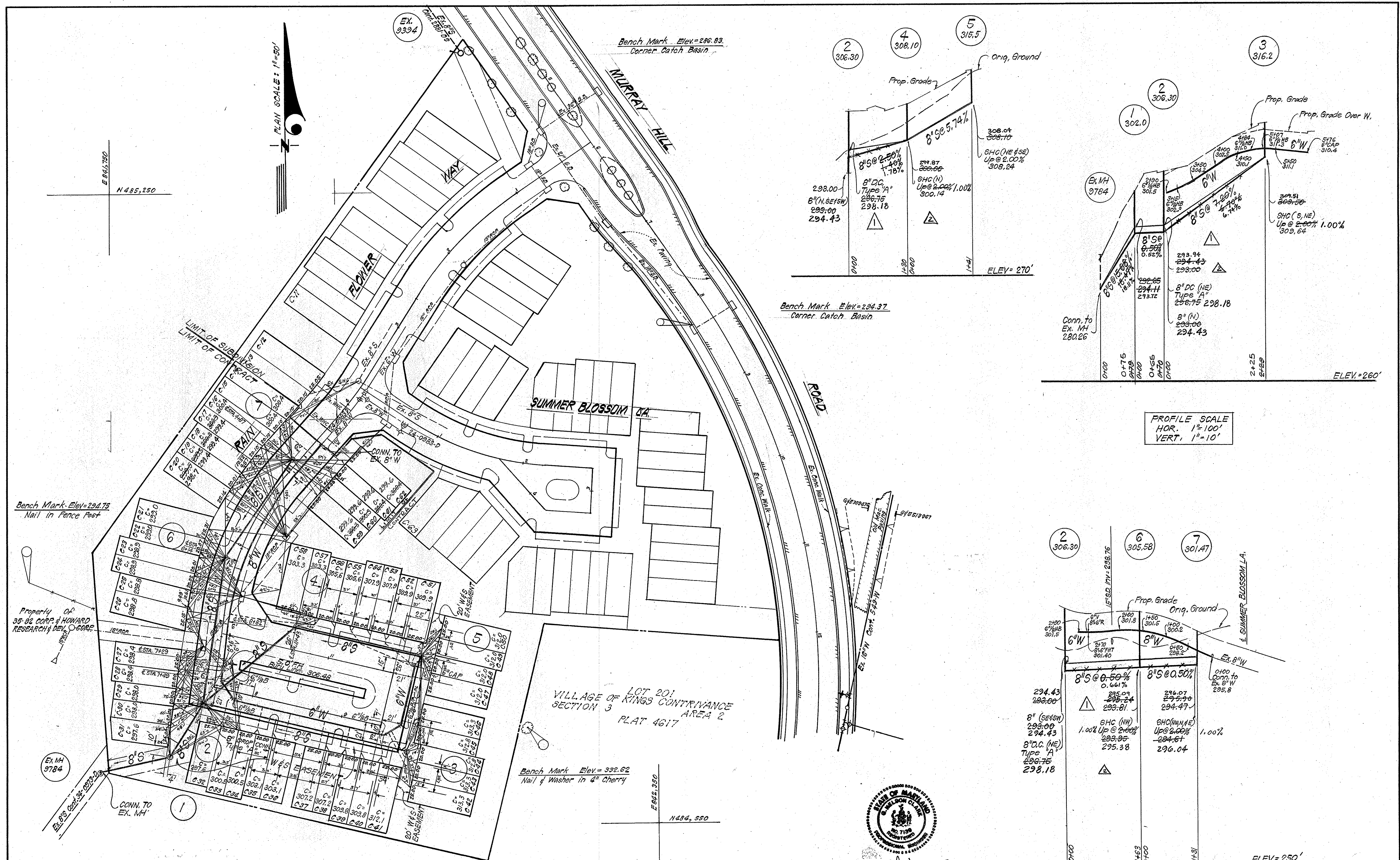
DRAWING NO. 1 OF 2 SCALE As Shown

AS-BUILT AUG 1983

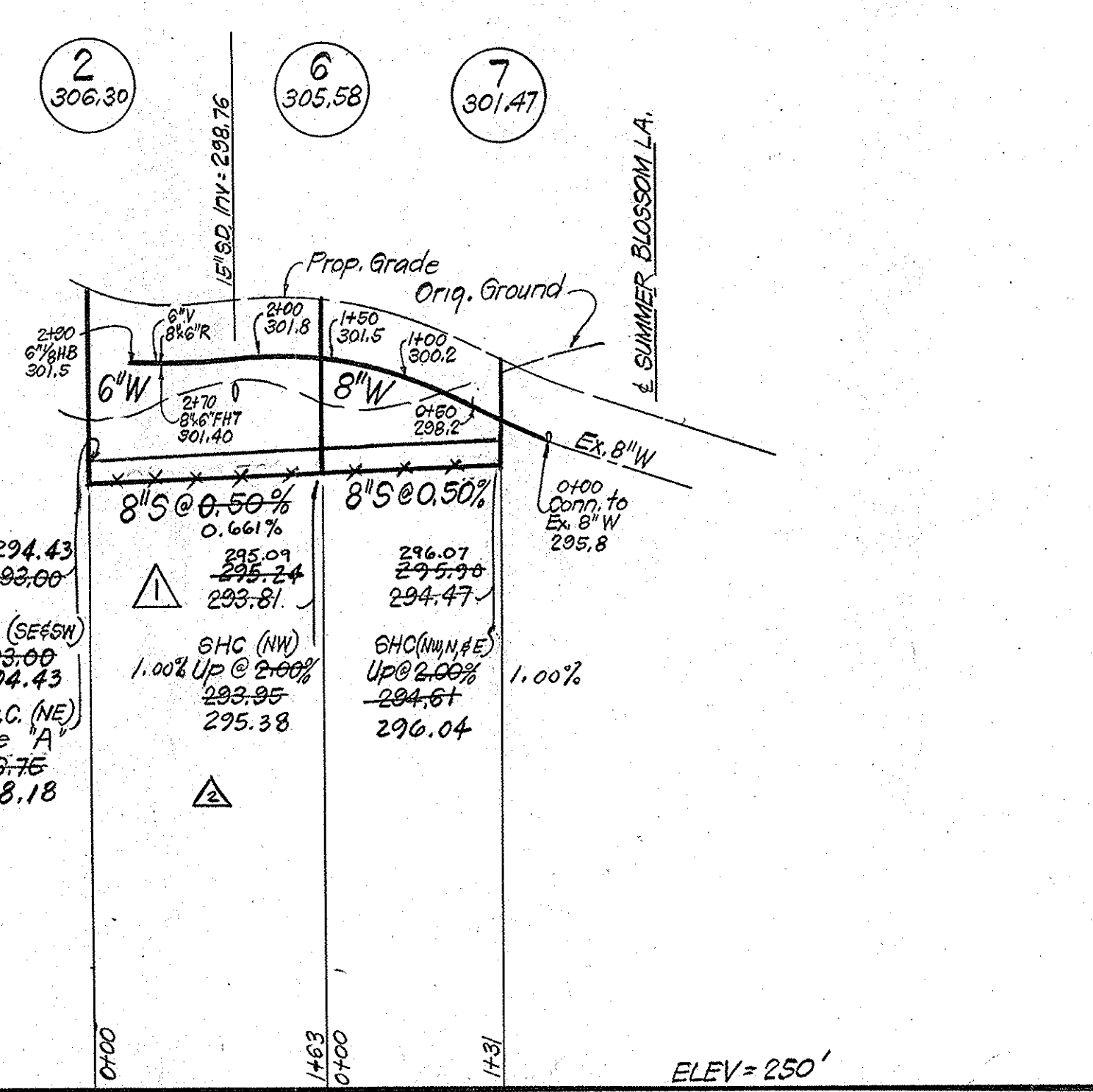
984/1 WS



984/2 WS



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



LOT 201  
SECTION 3  
VILLAGE OF KINGS CONTRIVANCE  
AREA 2  
PLAT 4617



10-4-82

Nº	DATE	REVISION	Nº	DATE	REVISION
1	1-21-16	CURED-IN-PLACE-PIPE LINING THE ENTIRE CONTRACT	4	4-14-83	Revised 8" S Between MH Ex 9784, 1, 2, 3, 4, & MH 2, 6 & 7
2	10-27-82		5	11-26-82	Lowered 8" S Between MH Ex. 9784, 1, 2, 3, 4 & MH 2, 6 & 7

**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 CHIEF BUREAU OF ENGINEERING DATE  
CHIEF BUREAU OF UTILITIES DATE CHIEF LAND DEVELOPMENT DIV. DATE

CONTRACT NO. 34-0984-D

**PLAN & PROFILES OF WATER & SEWER MAINS**

**COLUMBIA**  
**VILLAGE OF KINGS CONTRIVANCE**  
**6th ELECTION DISTRICT**

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

AS-BUILT AUG. 1983