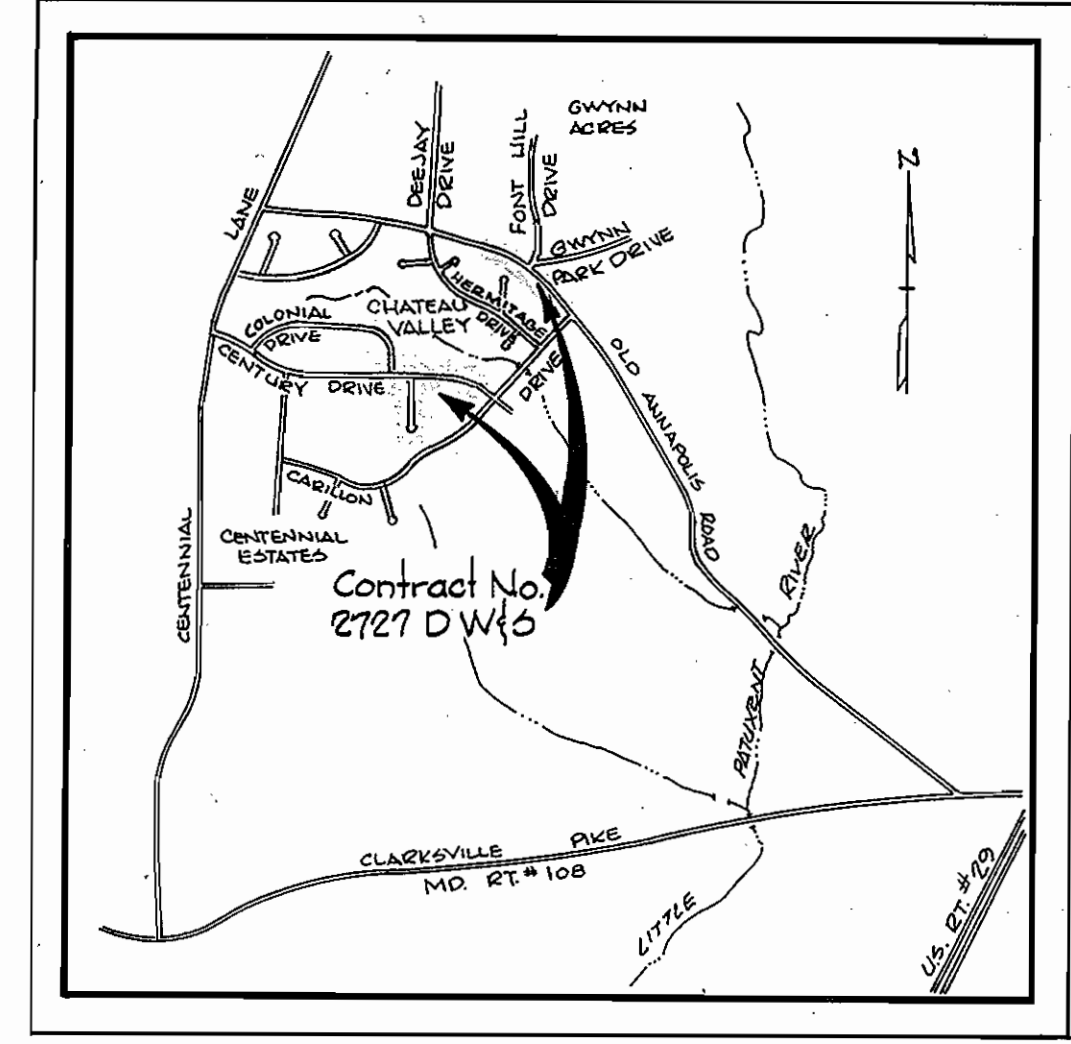


Note:  
Connect to existing M# 114-A Manhole is precast concrete and has channel for connection and 2' stub out of M# (ACP). Connect to stub if line and grade allow, otherwise remove stub and connect to Manhole.

CHATEAU VALLEY SECTION 1, AREA 1



VICINITY MAP  
Scale: 1" = 200'

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.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. The Contractor shall notify the following utilities or agencies at least five days before starting work shown on these plans:  
Baltimore Gas and Electric Company;  
Underground Electric Distribution Engineering 'Damage Control' 734-5691.  
Underground Gas Distribution Engineering 559-0100.  
Chesapeake and Potomac Telephone Company 717-9976.
5. For all standard details see standards bound in Specifications.
6. All horizontal and vertical controls are based on Maryland State Datum.
7. Clear all utilities by a minimum of 6'; clear all poles by a minimum of 2'-0" or tunnel as required.
8. All water mains shall be C.I.P., D.I.P., or A.C.P. unless otherwise noted.
9. All water mains shall have a minimum of 3/4' cover.
10. Block all fittings with concrete, see standards bound in Specifications.
11. All valves shall be strapped to tees where applicable in accordance with the standard Details.
12. Payment for strapping fire hydrants and valves will be included in unit price bid for furnishing and laying water mains.
13. All fire hydrants shall be strapped and buttressed in accordance with standard details. Soil around the fire hydrants shall be compacted in accordance with section 515 of the Standard Specifications.
14. Bury Line elevations on fire hydrants shall be set to elevations shown on drawings.
15. All W.H.C.s shall be 3/4" diameter, unless otherwise noted.
16. Water services shall be for inside meter setting.
17. All sewer mains shall be C.S.P.X., V.C.P.X., or A.C.P. Class 2400 unless otherwise noted.
18. All Manholes shall be 4'-0" inside diameter.
19. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.

Note:  
Sewer House Connections to Lots 48 & 49 are existing. Construct Water House Connections to all Lots.

Note:  
Existing Manholes # 117 and # 118 are precast concrete.

BENCH MARKS

- W.R.I.A. BM# 14 Elev. 440.532  
cut & concrete curb inlet north side Century Drive, 100' west end paving.
- W.R.I.A. BM# 7 Elev. 420.584  
cut & concrete curb inlet southwest corner Carillon Drive and Century Drive

24 1-30-78 Reloc. W.H.C. Lots 1-4, 13-17, 41-47, Century Dr. Lot 1, Colonial Dr. Lot 5-12, Chateleine Circle  
Revision

| QUANTITIES    |           |          |
|---------------|-----------|----------|
| ITEM          | ESTIMATED | AS-BUILT |
| 8" Sewer      | 2420 LF   | 2409     |
| 8" Water      | 1700 LF   | 1648     |
| 6" Water      | 570 LF    | 557      |
| Fire Hydrants | 5         | 5        |
| Valves        |           |          |



Chateau Valley Section 1, Area 3  
Contract No. 2727 DW 8S

WS 727 W-S/1

WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
7-15-77  
DIRECTOR OF PUBLIC WORKS - DATE

CONTRACT NO. 2727 DW 8S  
7-15-77  
CHIEF BUREAU OF ENGINEERING - DATE

PLAN OF  
WATER AND SEWER MAINS

Fire Hydrant Leads 68 LF | U.S. Pipe  
ELECTION DISTRICT  
ELLICOTT CITY NO. 2

DRAWING NO. 1 OF 3  
SCALE AS SHOWN

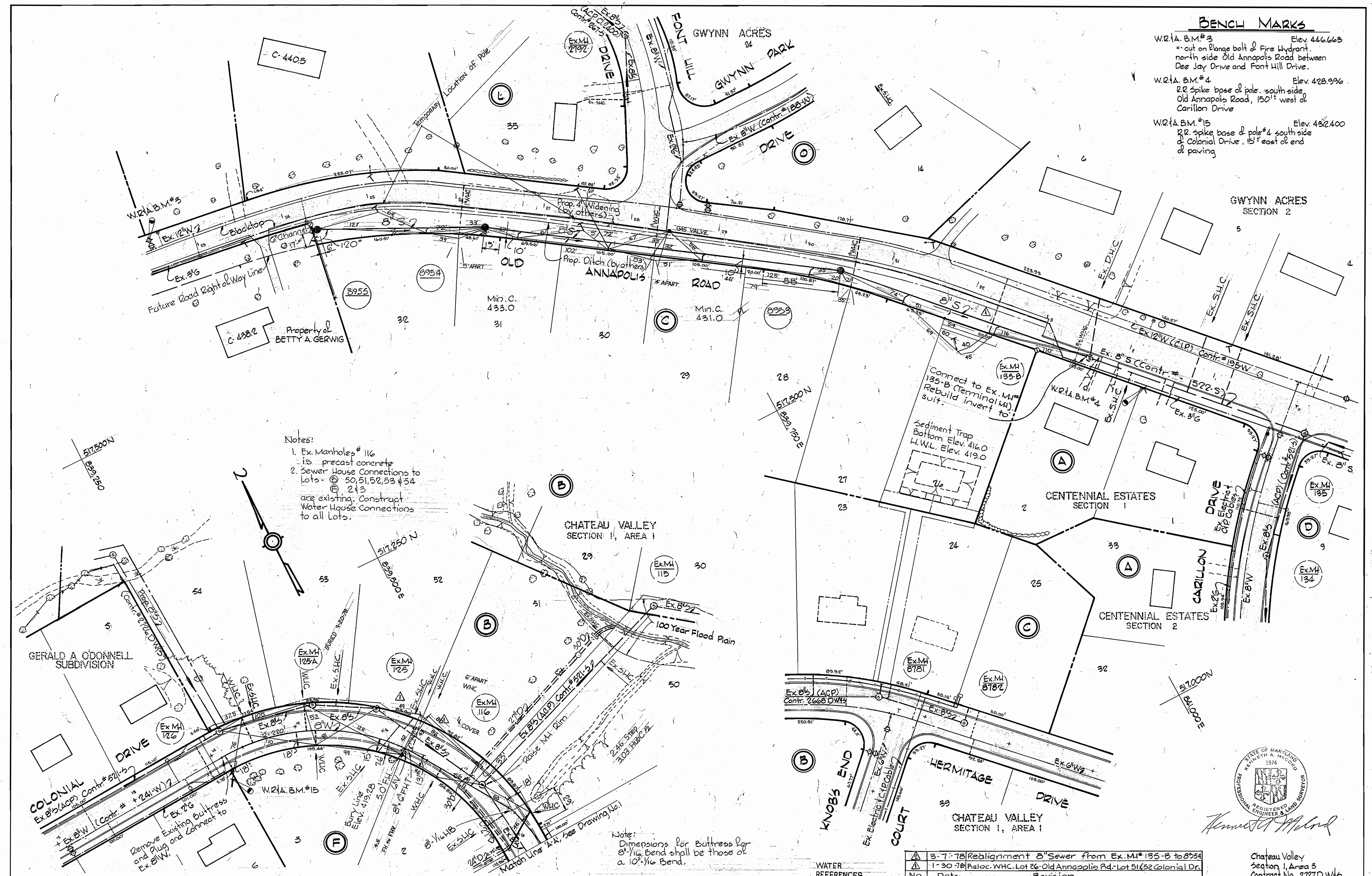
WS 727 W-5/2

**BENCH MARKS**

W.R.A. B.M.#3 Elev. 446.663  
 \*cut on flange bolt of Fire Hydrant, north side Old Annapolis Road between Dee Jay Drive and Font Hill Drive.

W.R.A. B.M.#4 Elev. 428.996  
 RR spike base of pole, south side Old Annapolis Road, 150'± west of Carillon Drive

W.R.A. B.M.#15 Elev. 432.400  
 RR spike base of pole #4 south side of Colonial Drive, 15'± east of end of paving



**Notes:**

- Ex. Manholes # 116 is precast concrete
- Sewer House Connections to Lots - 50, 51, 52, 53 & 54 are existing. Construct Water House Connections to all Lots.

**Notes:**

Dimensions for Buttress for 8" 1/2 Bend shall be those of a 10" 1/2 Bend.



*Kenneth M. Milrod*

| NO. | DATE    | REVISION  |
|-----|---------|---|
| 1   | 3-7-78  | Realignment of Sewer from Ex. MH 135-B to 8954                  |
| 2   | 1-30-78 | Reloc. W.H.C. Lot 26 Old Annapolis Rd. Lot 51 & 52 Colonial Dr. |

|  |   |  |                                      |  |  |
|--|---|--|--------------------------------------|--|--|
| <b>WHITMAN, REQUARDT &amp; ASSOCIATES</b><br>ENGINEERS<br>1304 ST. PAUL ST.<br>BALTIMORE, MARYLAND | <b>DEPARTMENT OF PUBLIC WORKS</b><br>HOWARD COUNTY, MARYLAND<br><i>7-15-77</i><br>DIRECTOR OF PUBLIC WORKS - DATE | <b>CONTRACT NO. 2727 D W&amp;S</b><br><i>7-15-77</i><br>CHIEF-BUREAU OF ENGINEERING - DATE | <b>PLAN OF WATER AND SEWER MAINS</b> | <b>ELECTION DISTRICT ELLICOTT CITY NO. 2</b> | <b>DRAWING NO. 2 OF 3</b><br><b>SCALE 1"=50'</b><br>517-481<br>518-481 |
|--|---|--|--------------------------------------|--|--|

W.O. 7184-726

AS-BUILT 10-16-78

MARCH - 7, 1978

WS 727 WS/3

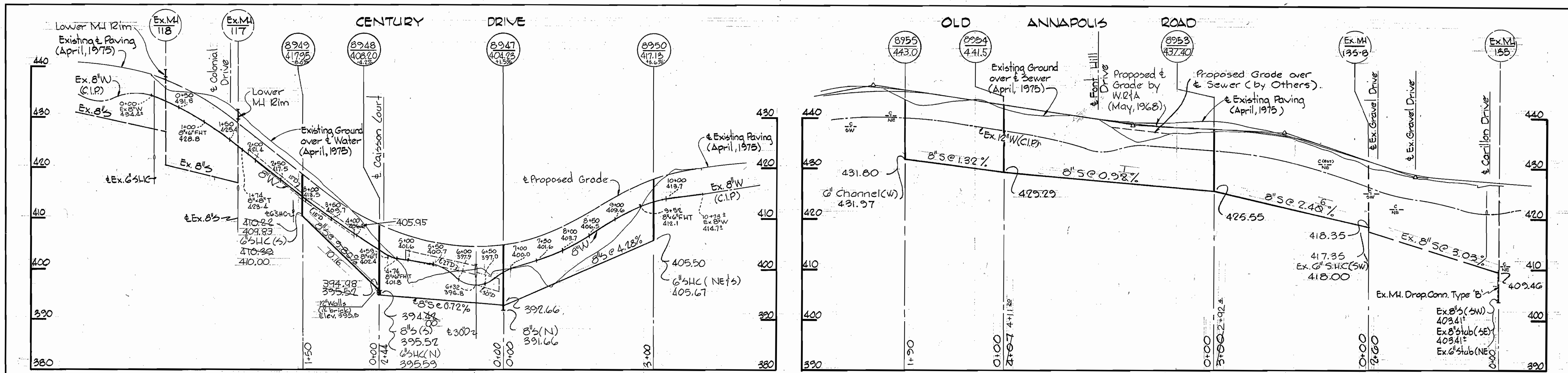
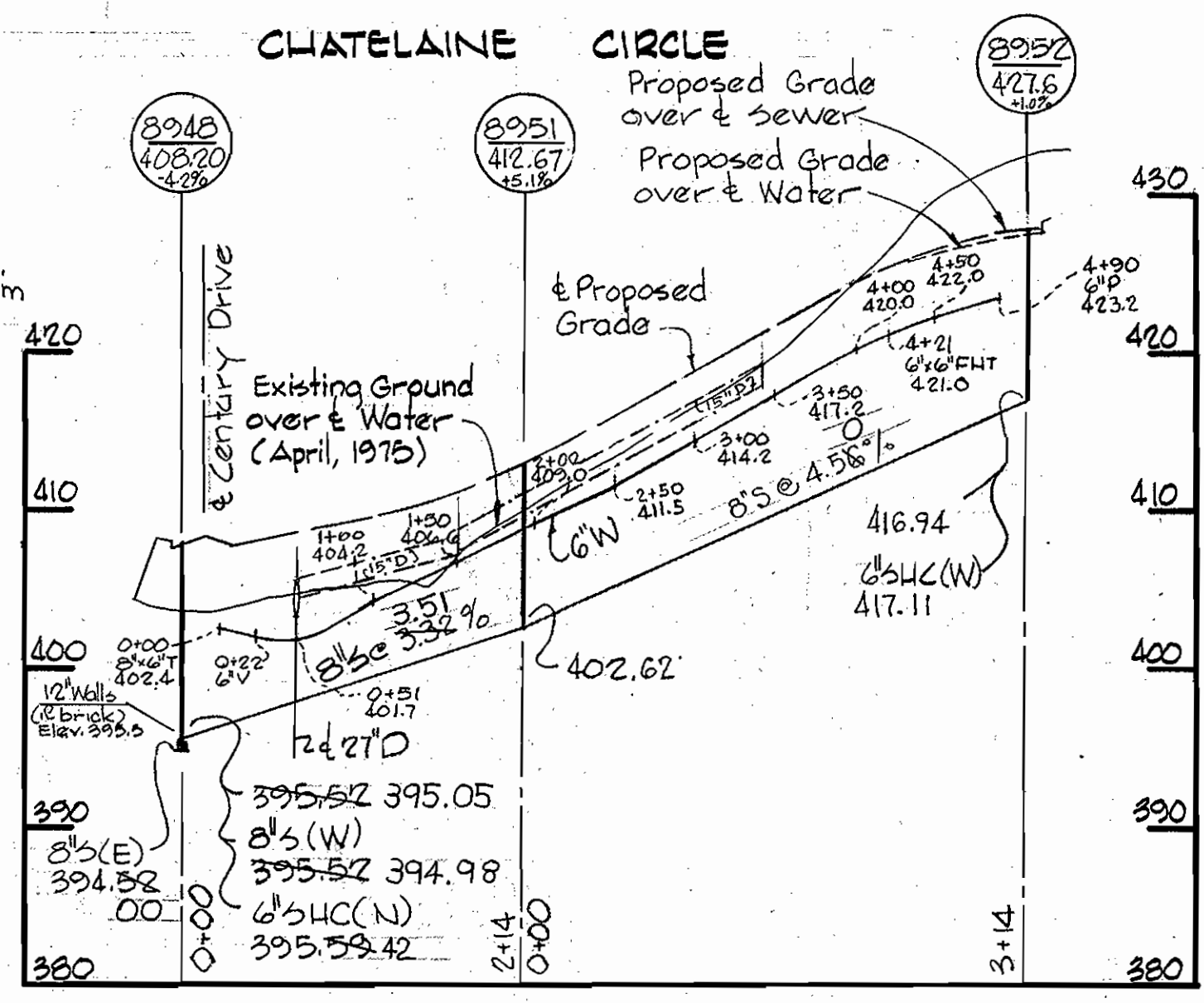
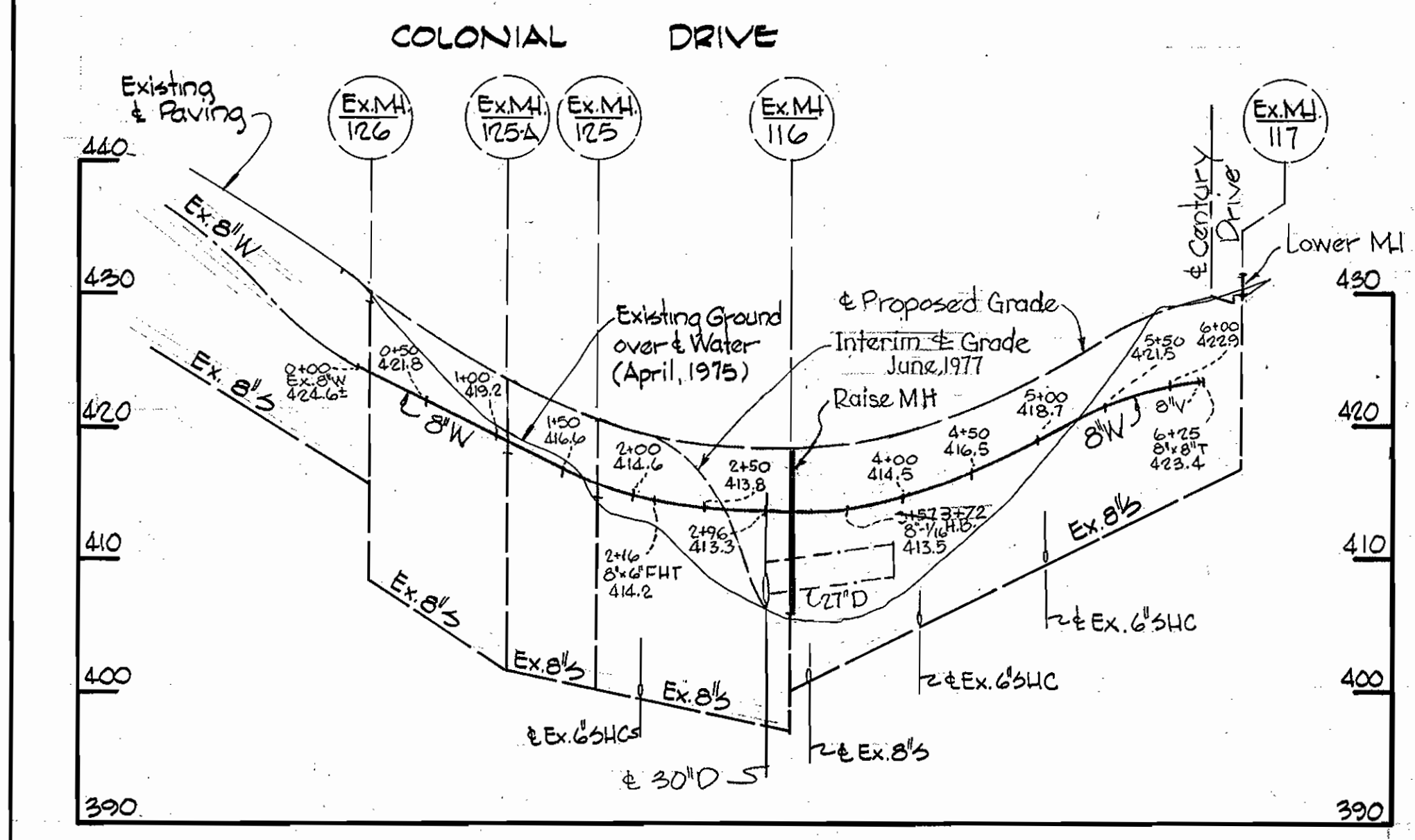
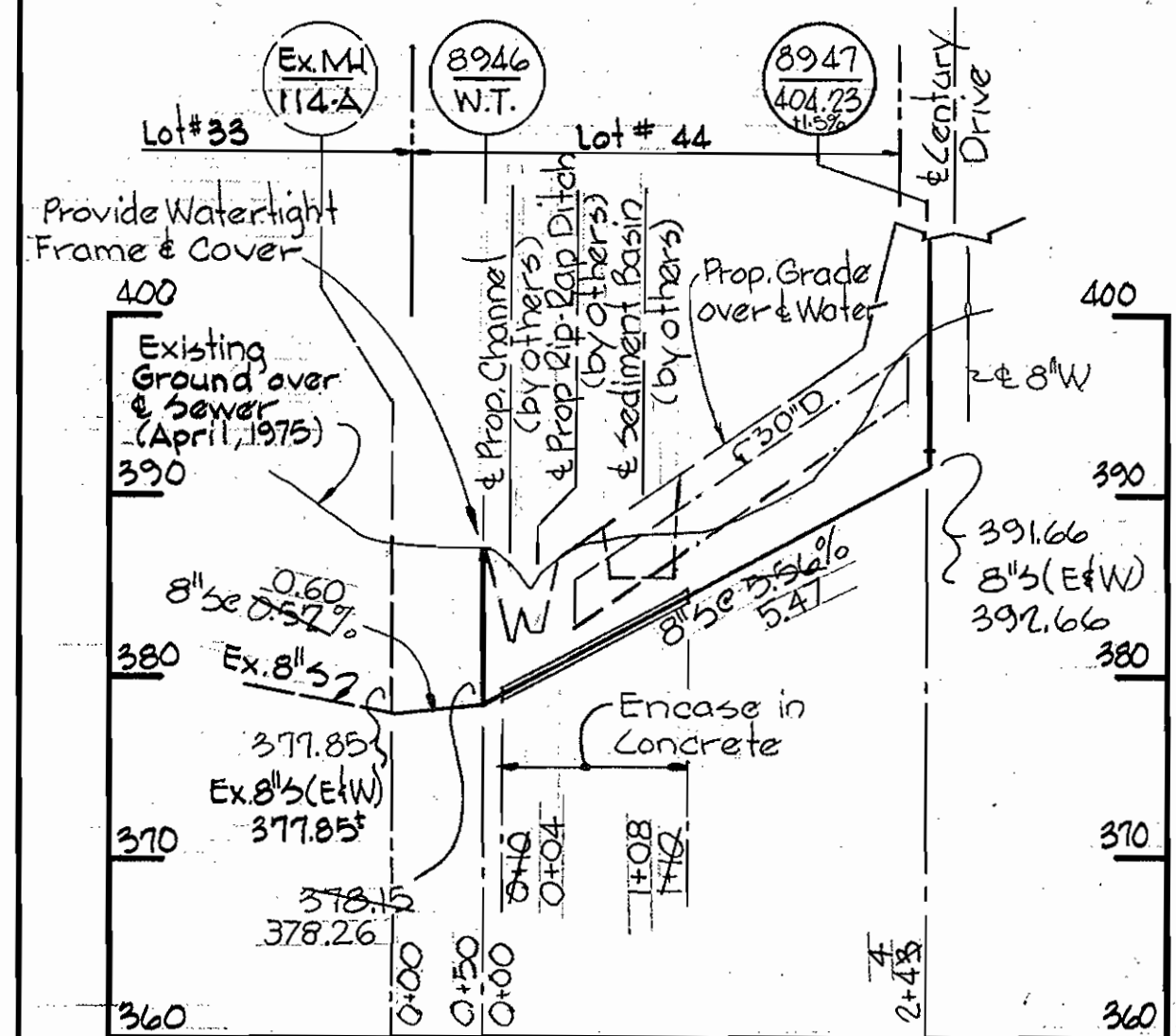


TABLE FOR ADJUSTMENT OF EXISTING MANHOLE RIMS

| MH#   | Ex. Rim Elev. | New Rim Elev. | Slope |
|-------|---------------|---------------|-------|
| 116   | 405.62        | 418.09        | +3.0% |
| 117   | 431.31        | 428.83        | -0.6% |
| 118   | 439.19        | 437.58        | -0.4% |
| 125   | 414.54        | 420.77        | +1.5% |
| 125-A | 418.01        | 423.64        | +1.3% |
| 126   | 429.40        | 430.22        | +0.2% |

Note: See special provisions for measurement and payment for adjusting Manholes.



Kenneth M. Wood  
REGISTERED PROFESSIONAL ENGINEER

| No. | Date   | Revision                                      |
|-----|--------|---|
| 1   | 3-7-78 | Realignment 8" Sewer from Ex.MH 135-B to 8954 |

WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
7-15-77  
DIRECTOR OF PUBLIC WORKS - DATE

CONTRACT NO. 727DWBS  
7-15-77  
CHIEF-BUREAU OF ENGINEERING - DATE

PROFILES OF WATER AND SEWER MAINS

ELECTION DISTRICT  
ELLCOTT CITY NO. 2

DRAWING NO. 3 OF 3  
SCALE H:1"=400' V:1"=10'

W.O. 7184-2b

AS-BUILT 10-17-78

MARCH - 7, 1978

BRUNNIG 44-510 18392