

**GENERAL NOTES**

**PART I**

- Approximate locations 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.
- All horizontal controls are based on Maryland State Coordinates System.
- 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.
- For all standard details see standards bound in specifications.
- Contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
- Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:

State Highway Administration - 531-5533  
 Baltimore Gas and Electric Company - Underground Electric Distribution Engineering - "Damage Control" - Mr. G. J. Zeller, Manager - 234-5591  
 Baltimore Gas and Electric Company - Underground Gas Distribution Engineering - 234-5800  
 Chesapeake and Potomac Telephone Co. - Mr. Field Engineer - 725-9976  
 American Telephone and Telegraph - Cable Location Division - 301-393-3553  
 Colonial Pipeline Company - Area Manager - 781-4641

- 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.
- Minimum of two permanent bench marks, with location and elevation shown on the plan.
- Contractor shall remove trees, stumps and roots along line of excavation as directed by the Engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill for water and sewer mains.
- Contractor shall 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.

**WATER - PART II**

- All water mains to be C.I.P., D.I.P., or A.C.P. unless otherwise noted.
- Top of all water mains to have a minimum of 3 1/2' cover unless otherwise noted.
- All valves shall be strapped to tees in accordance with standard details.
- Block all fittings with concrete, see standards bound in specifications.
- 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 to 90% density.
- All water meter vaults to be for either twin 5/8" meters or single 5/8" meter unless otherwise noted. Meters furnished and installed by the County.

**SEWER - PART III**

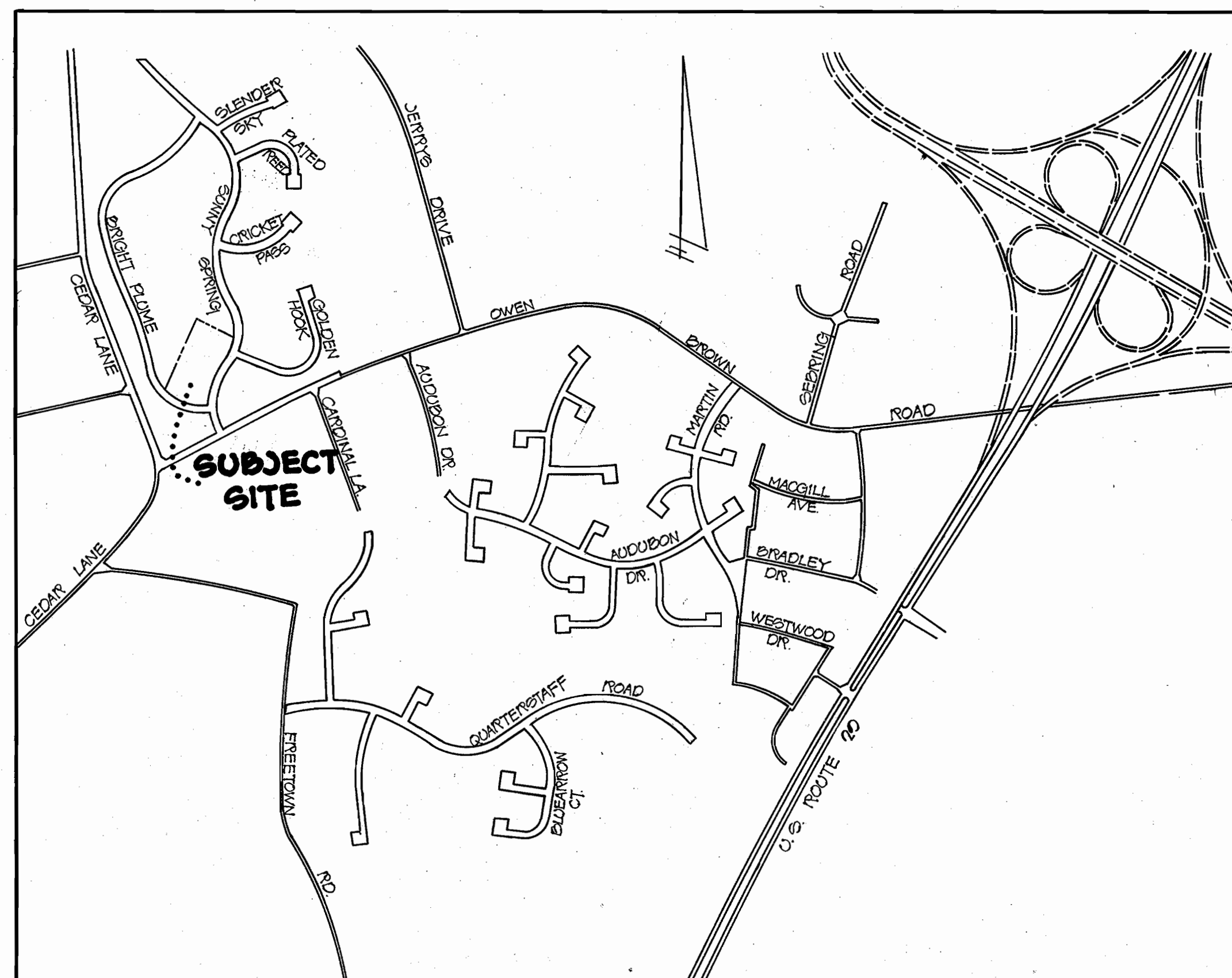
- All sewer mains shall be C.S.P.X., V.C.P.X., or A.C.P. Class 2400 unless otherwise noted.
- The contractor shall provide a joint in all sewer mains within 2' - 0" of exterior manhole wall.
- All manholes shall be 4' - 0" inside diameter, unless otherwise noted.

**CONSTRUCTION PLAN INDEX**

WATER AND SEWER  
 SHEET #1 OF 2 - TITLE SHEET  
 SHEET #2 OF 2 - PLAN AND PROFILE PARCEL 'K'

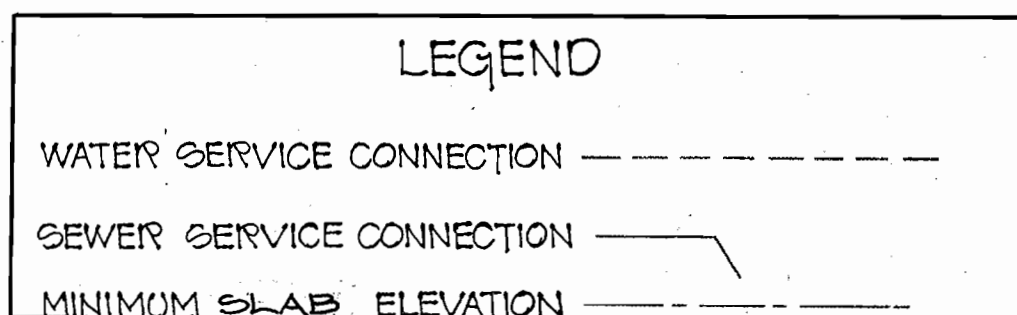
| QUANTITY SCHEDULE                   |          |
|-------------------------------------|----------|
| ITEM                                | QUANTITY |
| 8" SANITARY SEWER                   | 610 LF   |
| 8" SANITARY SEWER                   | 610 LF   |
| 6" TWIN SANITARY HOUSE CONNECTION   | 7 Ea.    |
| 6" SINGLE SANITARY HOUSE CONNECTION | 4 Ea.    |
| 6" WATER MAIN                       | 595 LF   |
| 1" WATER HOUSE CONNECTION-TWIN      | 8 Ea.    |
| 3/4" WATER HOUSE CONNECTION-SINGLE  | 2 Ea.    |

| PARCEL K, SECT. I, AREA I |                |         |                |
|---------------------------|----------------|---------|----------------|
| LOT NO.                   | SLAB ELEVATION | LOT NO. | SLAB ELEVATION |
| K-1                       | 389.50         | K-10    | 394.70         |
| K-2                       | 387.00         | K-11    | 395.50         |
| K-3                       | 385.50         | K-12    | 397.00         |
| K-4                       | 388.50         | K-13    | 396.00         |
| K-5                       | 390.50         | K-14    | 394.00         |
| K-6                       | 392.50         | K-15    | 393.80         |
| K-7                       | 393.50         | K-16    | 393.00         |
| K-8                       | 394.00         | K-17    | 392.30         |
| K-9                       | 393.70         | K-18    | 391.70         |



**VICINITY MAP**

SCALE: 1"=800'



**BENCH MARK CONTROL SCHEDULE**

BENCH MARK 'X' - IRON BAR 24" MAPLE SOUTHWEST CORNER LOT K-3  
 ELEVATION 388.66  
 BENCH MARK 'Y' - IRON BAR 24" OAK LOT LINE K-9 - K-10  
 ELEVATION 392.20

**HORIZONTAL CONTROL SCHEDULE**

D-1 IRON PIPE PLANTED ON THE NORTH PROPERTY LINE OF BRIGHT PLUME 23.10' FROM THE INTERSECTION OF THE WEST PROPERTY LINE OF SUNNY SPRING AND THE NORTH PROPERTY LINE OF BRIGHT PLUME  
 N407602.00 W882180.77  
 D-2 IRON PIPE PLANTED ON THE NORTH PROPERTY LINE OF BRIGHT PLUME 328.85' WESTERLY FROM D-1.  
 N407027.20 W882287.00

A RESUBDIVISION OF  
 PARCEL 'K'  
**HICKORY RIDGE**  
 VILLAGE OF HICKORY RIDGE  
 SECTION NO. 1  
 AREA NO. 1



Howard W. Kabele  
 4647 1/31/74

HUDKINS ASSOCIATES INC.  
 CIVIL ENGINEERS & LAND SURVEYORS  
 JOSEPH SQUARE  
 COLUMBIA MARYLAND 21044

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY MARYLAND  
 DATE 5-23-74  
 Chief Bureau of Engineering

CONTRACT NO. 613-D-WSS

PLAN & PROFILE  
 OF  
 WATER AND SEWER MAINS

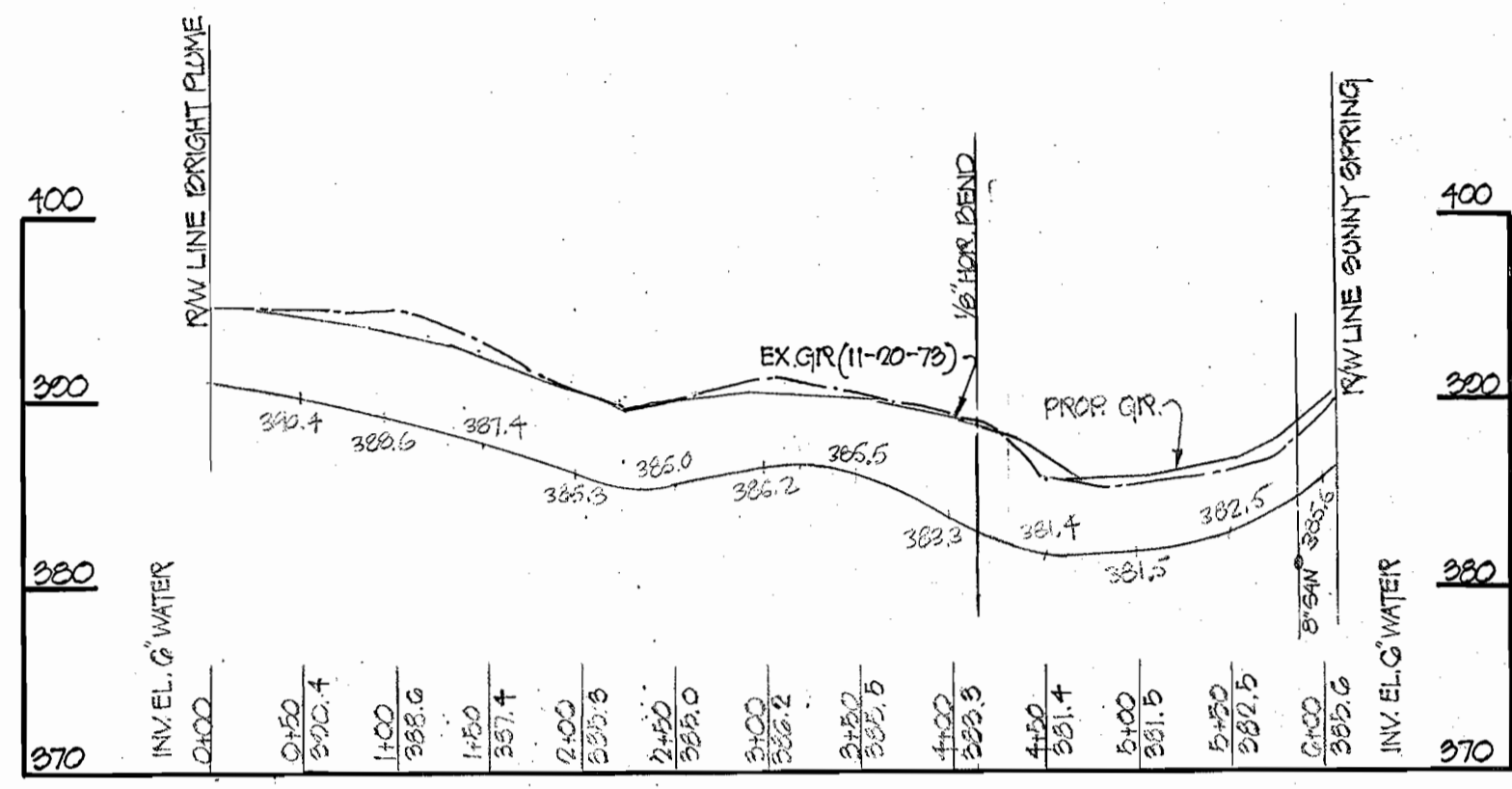
ELECTION DISTRICT  
 CLARKSVILLE - NO. 5

DRAWING NO. 1 OF 2  
 SCALE AS SHOWN

REVISED MAR 6, 1974  
 REVISED APR 20, 1974  
 REV. JUNE 8, 1974

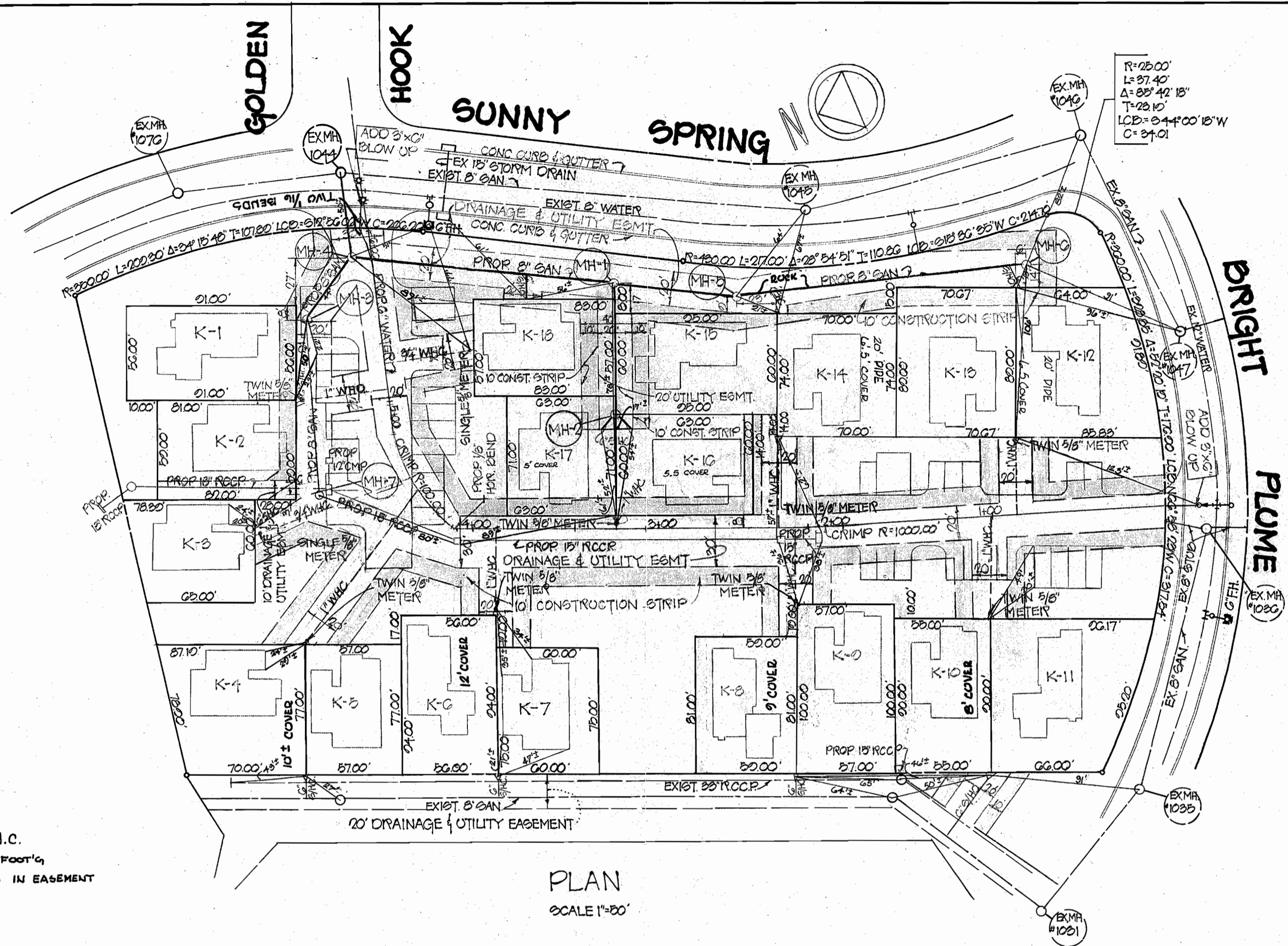
As BUILT 7-14-76

WS 613 WSS/1

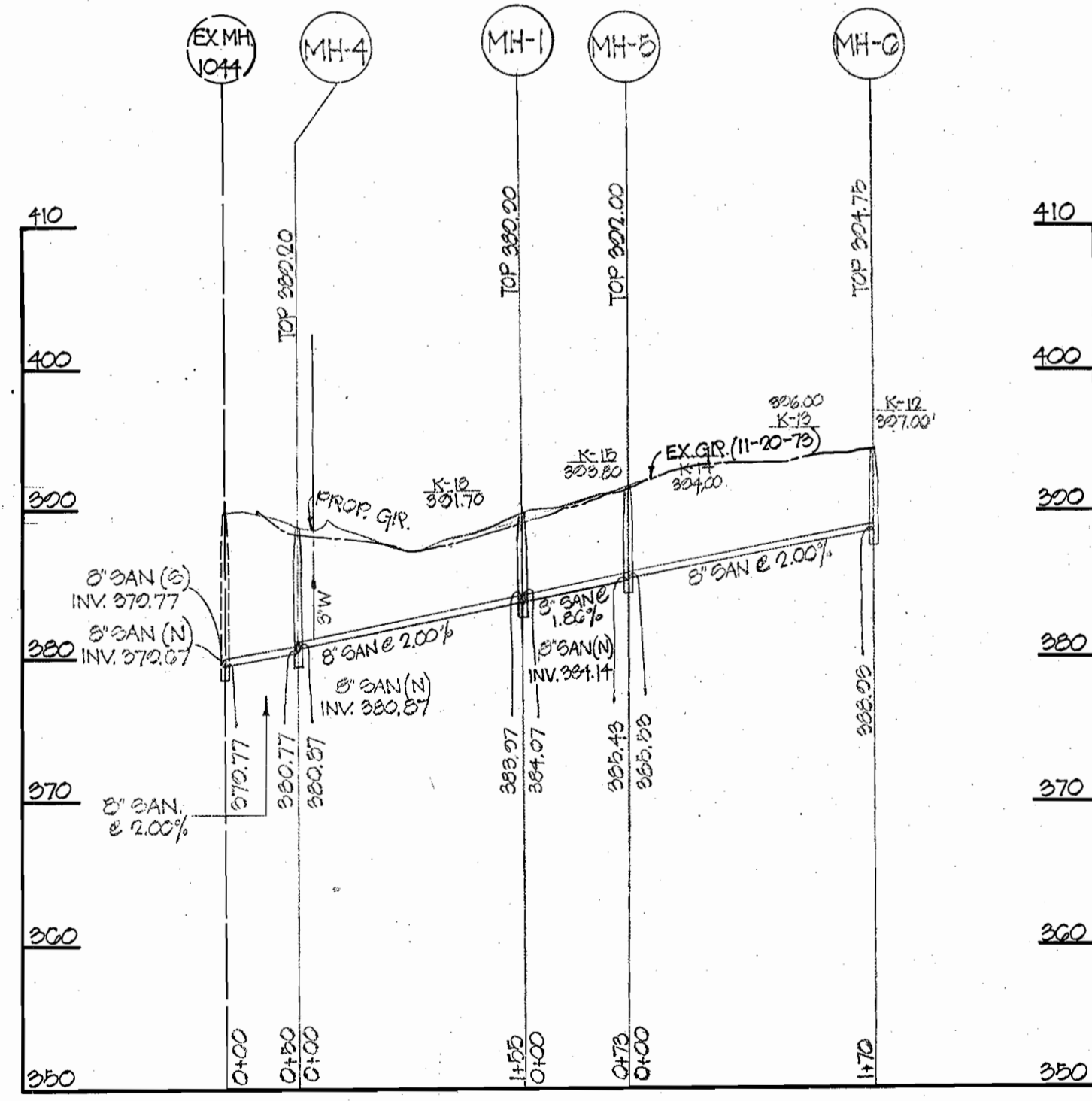


PROFILE HORIZONTAL 1"=100'  
VERTICAL 1"=10'  
WATER MAIN

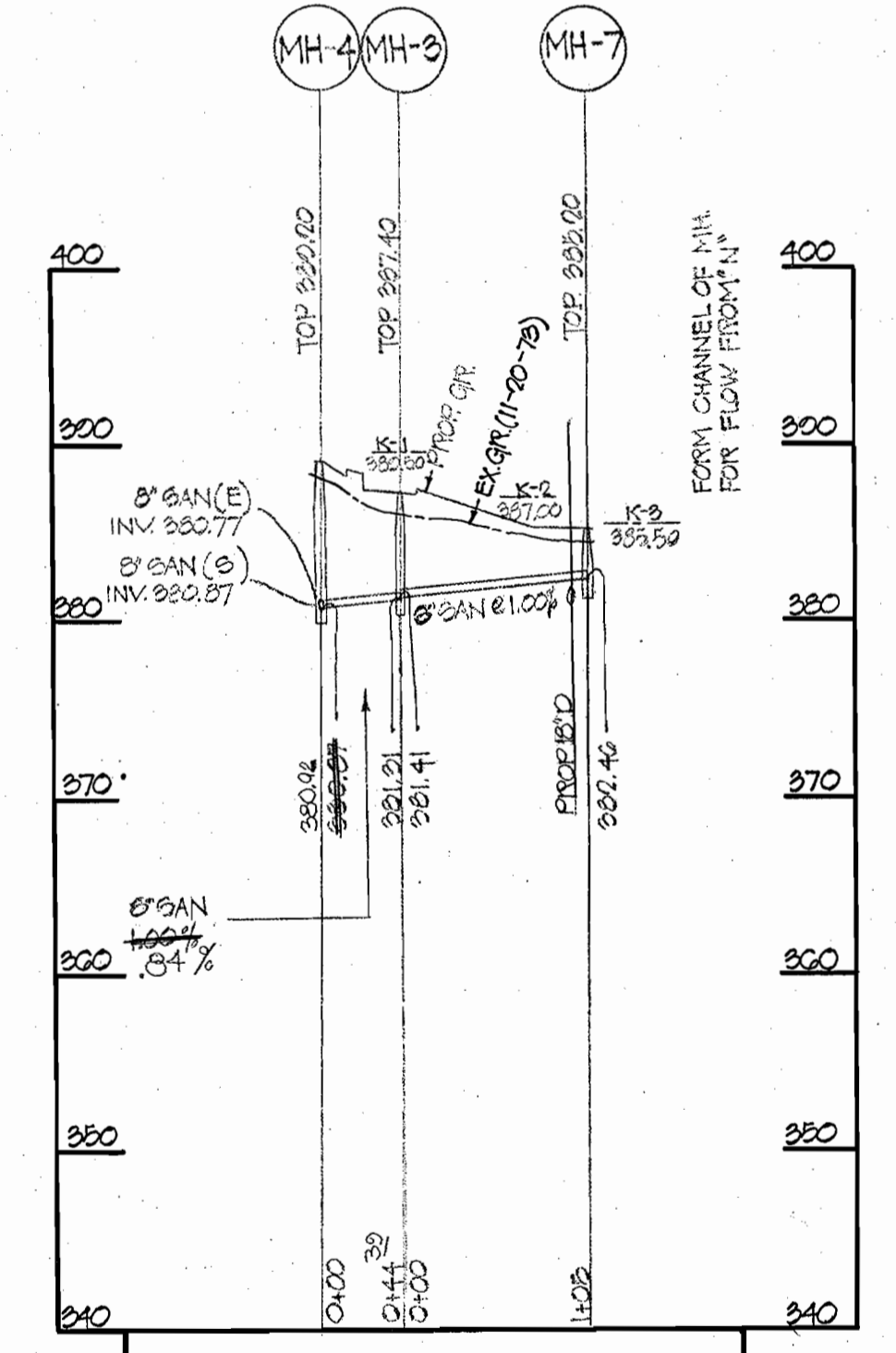
AS BUILT NOTES:  
1" COPPER FOR TWIN W.H.C.  
K 1+2 AROUND CARPORT FOOTING  
8" BLACK CARPORT FOOTING IN EASEMENT



PLAN  
SCALE 1"=20'




SANITARY

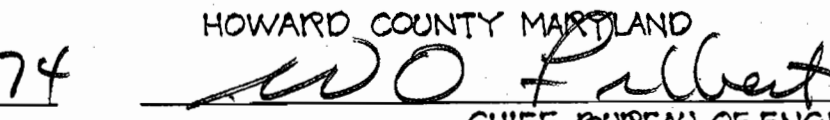


PROFILE HORIZONTAL 1"=100  
VERTICAL 1"=10'  
SEWER

NOTE: SLAB ELEVATIONS SHOWN ON PROFILES ARE SET ACCORDING TO SITE DEVELOPMENT PLAN.

A RESUBDIVISION OF  
PARCEL 'K'  
HICKORY RIDGE  
VILLAGE OF HICKORY RIDGE  
SECTION NO. 1  
AREA NO. 1

  
**Howard D. Kolesky**  
 4647  
 1/31/74  
 HUDKINS ASSOCIATES INC.  
 CIVIL ENGINEERS & LAND SURVEYORS  
 JOSEPH SQUARE  
 COLUMBIA MARYLAND 21044

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY MARYLAND  
 DATE 5-23-74  
  
 CHIEF BUREAU OF ENGINEERING

CONTRACT No. 2613-D-WFS

PLAN & PROFILE  
OF  
WATER AND SEWER MAINS

ELECTION DISTRICT  
CLARKVILLE - NO. 5

DRAWING  
NO. 2  
OF 2  
SCALE  
AS  
SHOWN

8" SEWER - ACP CERTAIN TEE  
6" WATER - ACP CERTAIN TEE  
AS BUILT, 7-14-76

WS 613 W&S/2