

GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services 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. For all standard details see standards bound in specifications.
5. Clear all utilities by a minimum of 6', all poles by a 2'-0" minimum or tunnel as required.
6. All water mains to have a minimum of 3 1/2' cover unless otherwise noted.
7. Block all fittings with concrete, see standards bound in specifications.
8. Fire hydrants shall be set at the bury line, elevations shown on the drawing.
9. Cost of strapping Fire Hydrants and valves to tees to be included in the unit price bid for furnishing and laying of water mains.
10. All Fire Hydrants shall be strapped to the tee and shall be buttressed with concrete in accordance with standard details.
11. Sewer Manholes shall be 4'-0" inside diameter except where otherwise noted.
12. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
13. The Contractor shall notify the Balto. Gas & Electric Co. 72 hours in advance of excavation by calling 539-8000 Ex. 69.
14. The contractor shall notify the C & P Telephone Co. prior to any construction in the vicinity of any Telephone Co. facilities by calling collect 685-0400 in Balto., Md.

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RICHARD P. BROWNE ASSOCIATES
 ENGINEERS
 AMERICAN CITY BUILDING, COLUMBIA MD.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Date: 7-1-71
W. O. Lubert
 Chief Engineer

CONTRACT NO. 423D-W&S

PLAN OF
 WATER & SEWER MAINS

COLUMBIA
VILLAGE OF OAKLAND MILLS
 SECTION 2 SHADOW OAKS APTS.

DRAWING NO. 1 OF 3
 SCALE 1" = 50'

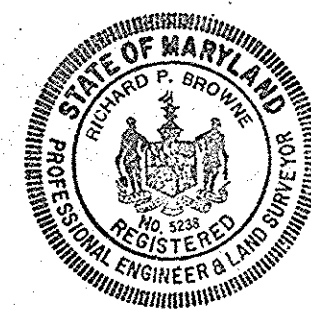
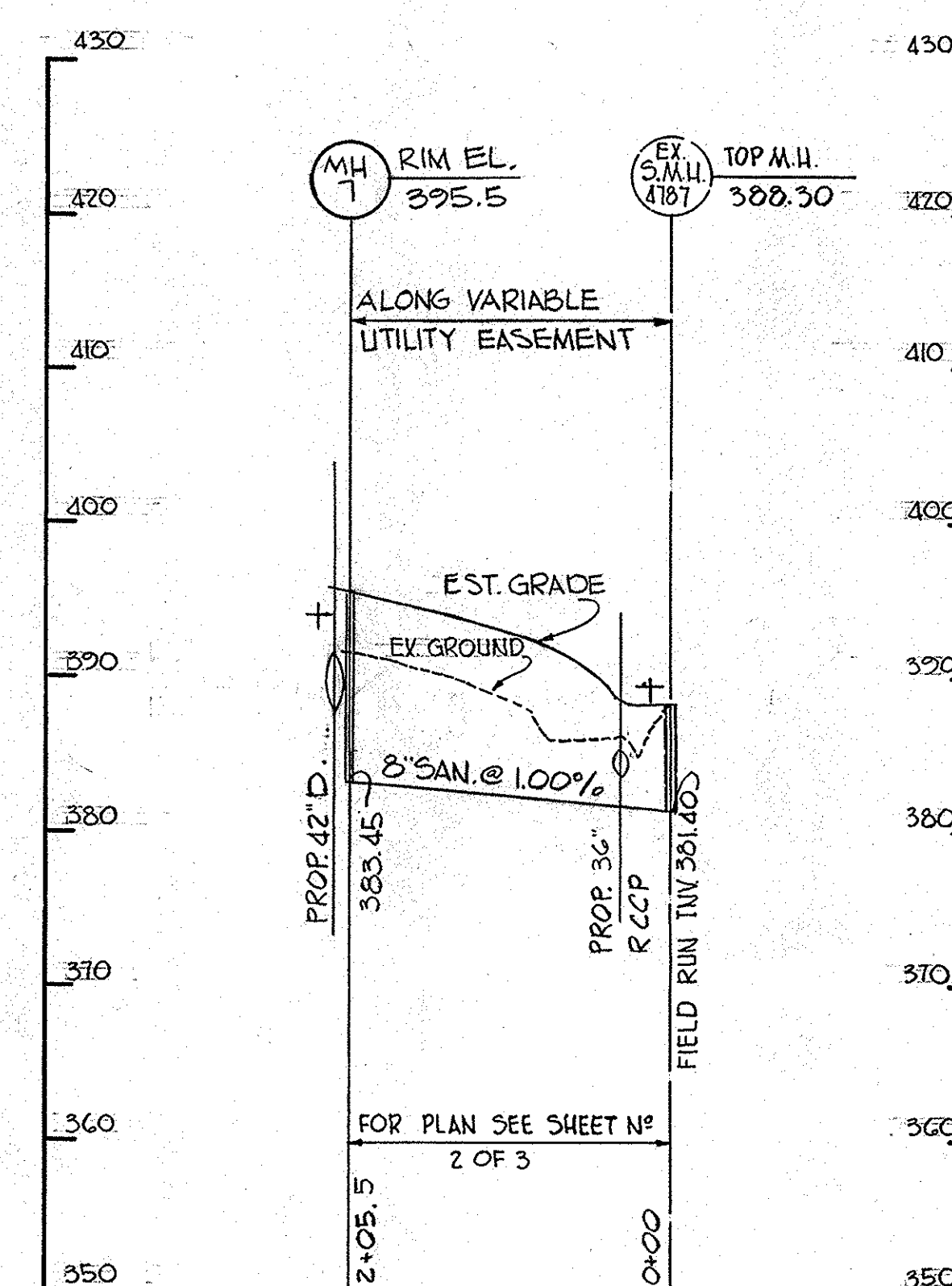
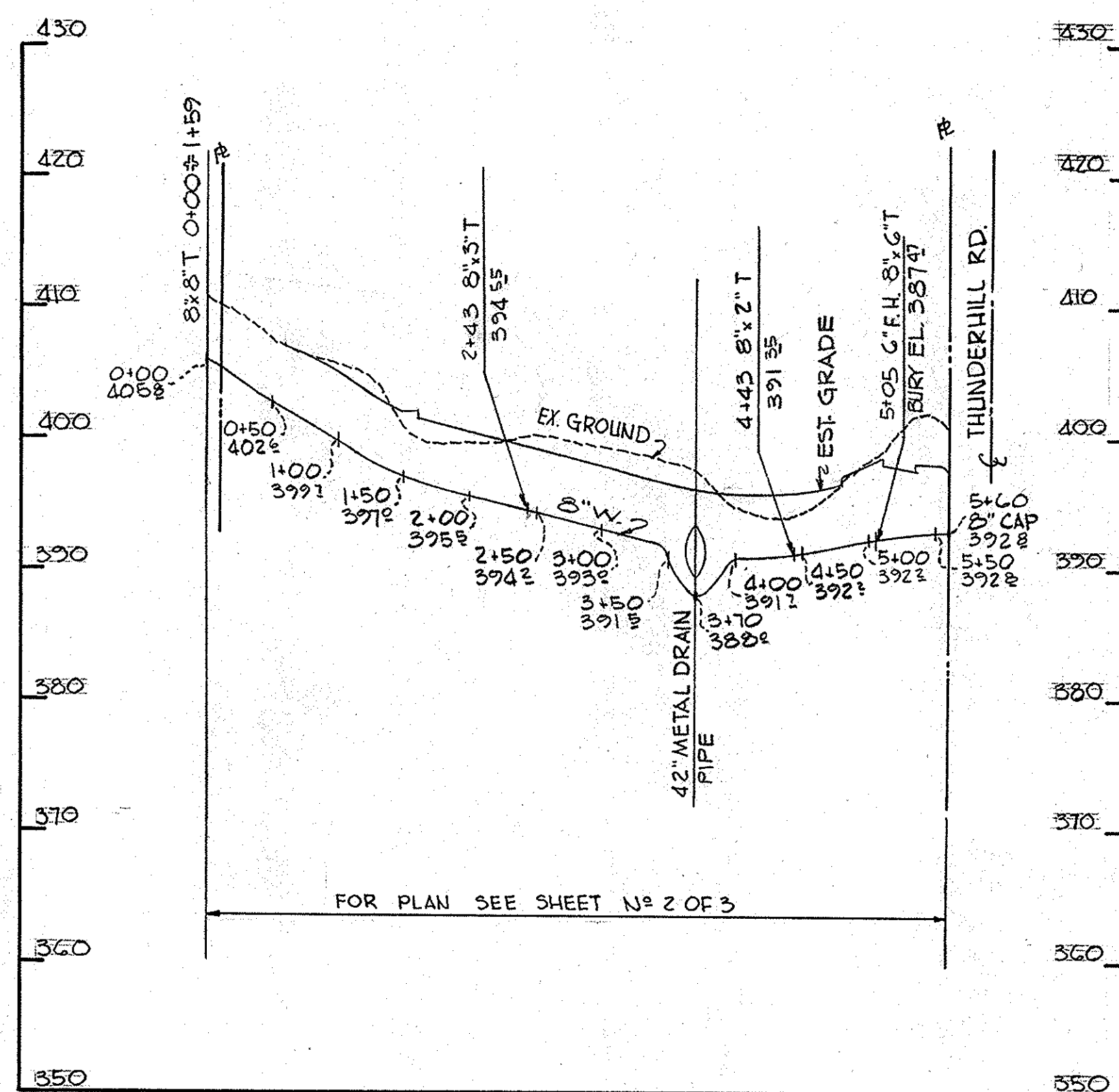
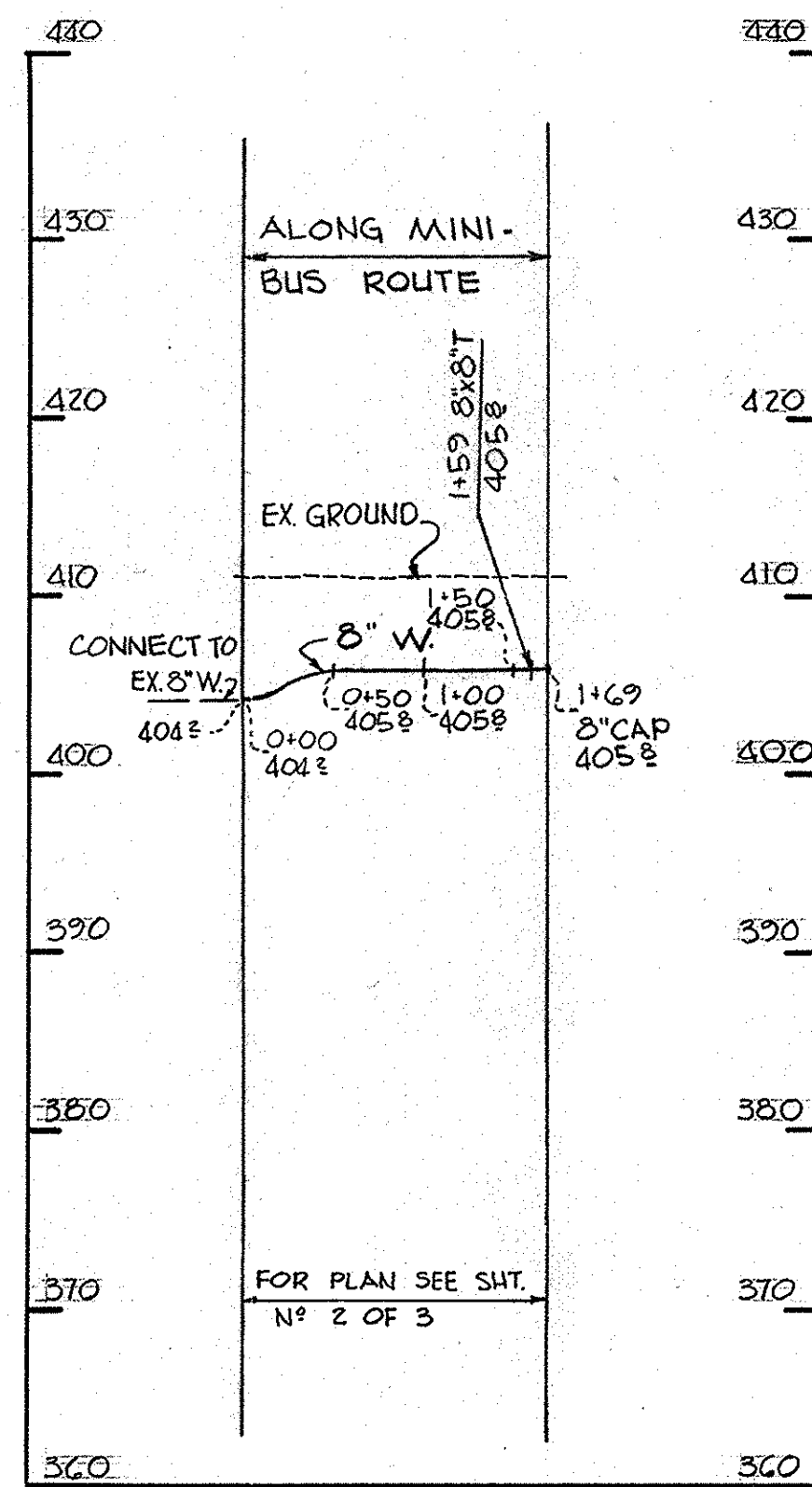
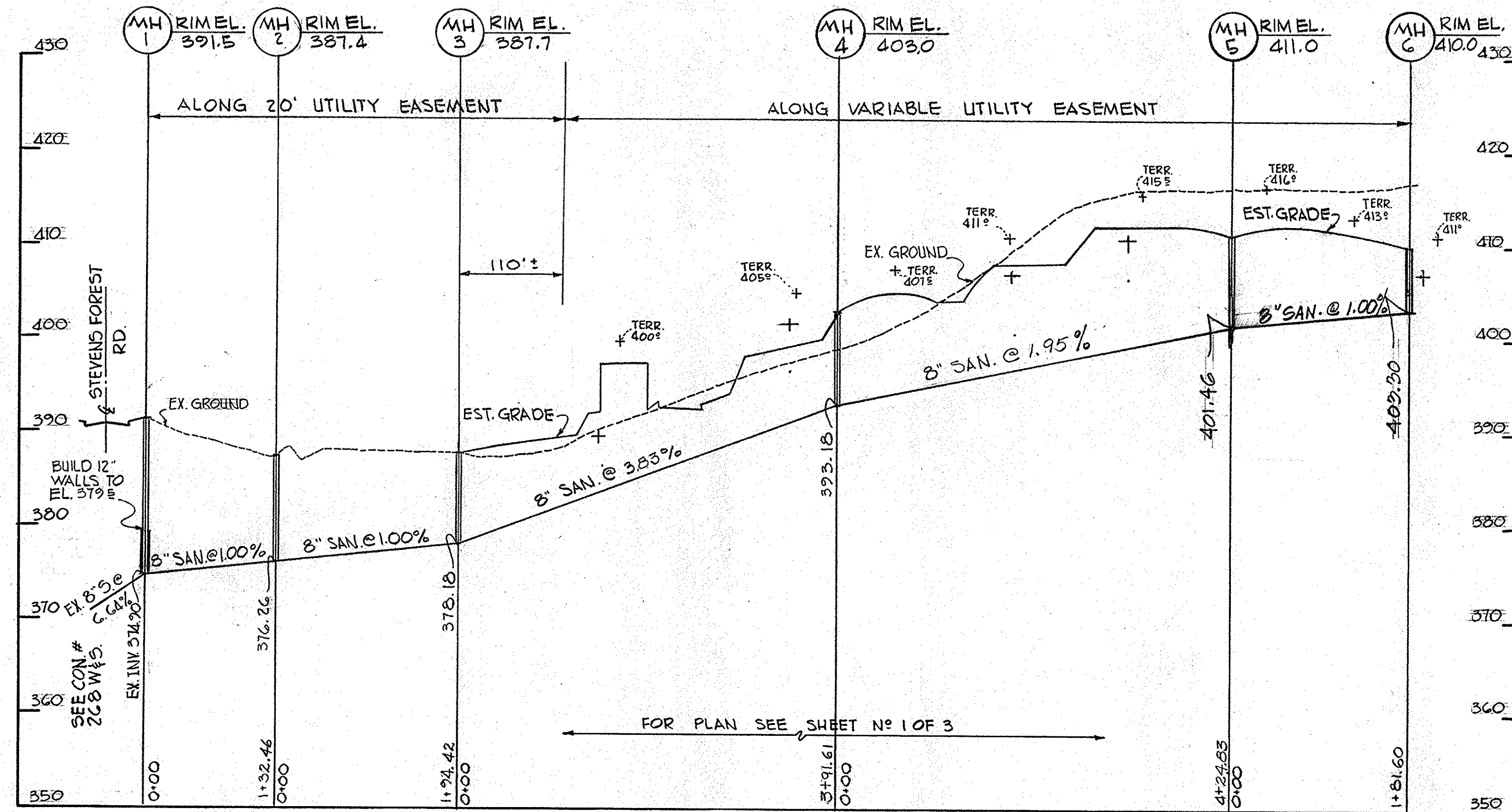
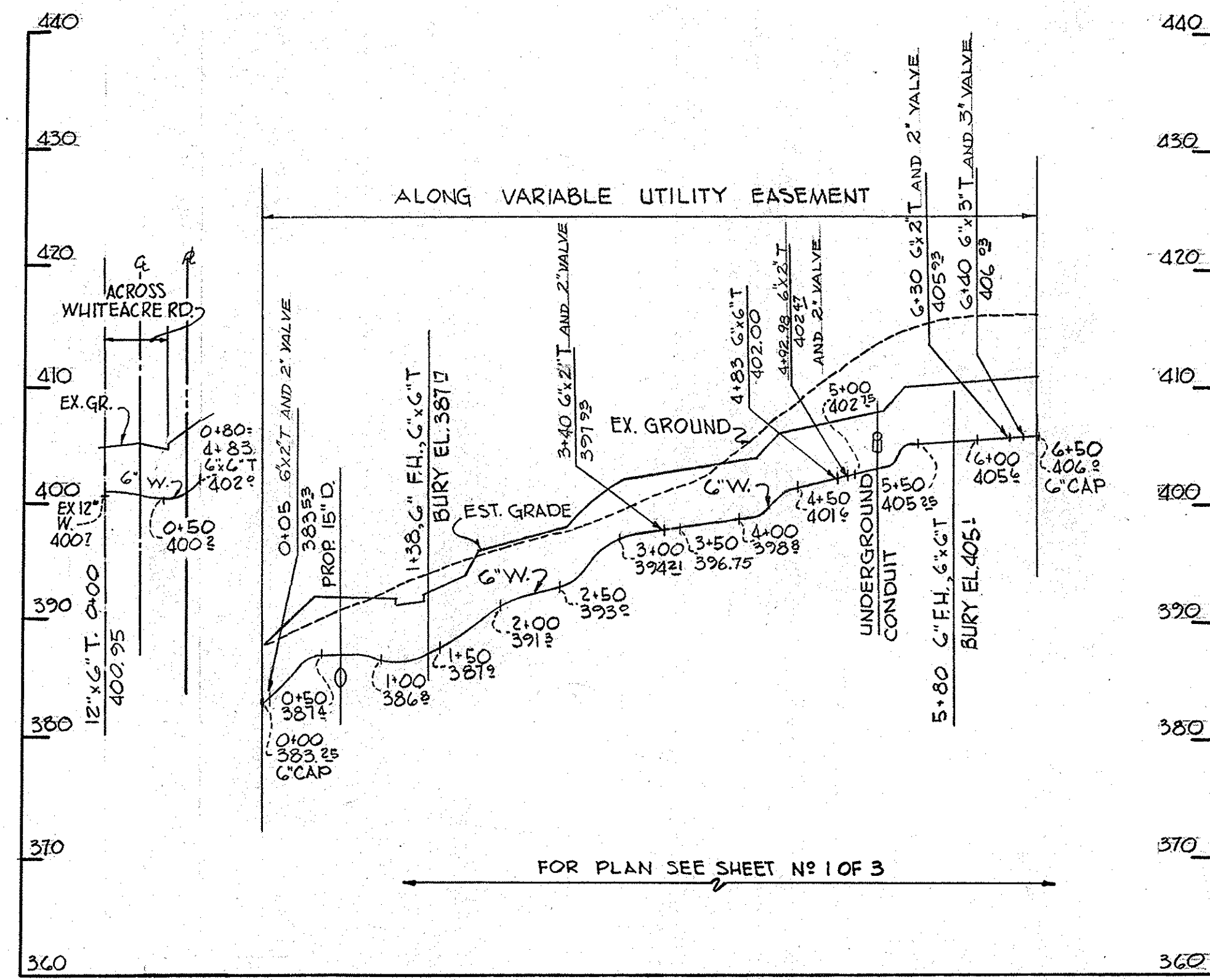
DES. W.H.N.
 DRW. W.H.N.
 CHK. T.K.S.

QUANTITIES	
ITEMS	QUANTITY
8" SEWER	1530 L.F.
6" WATER	855 L.F.
8" WATER	723 L.F.
FIRE HYDRANTS	3

FOR WATER PROFILES SEE DRWG. NO. 3 OF 3
 FOR SEWER PROFILES SEE DRWG. NO. 3 OF 3

AS BUILT NOV. 26, 1971

WS 423 W&S/1



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HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 7-1-71 Date
 W. P. [Signature] Chief Engineer

CONTRACT NO. 423 D-W & S

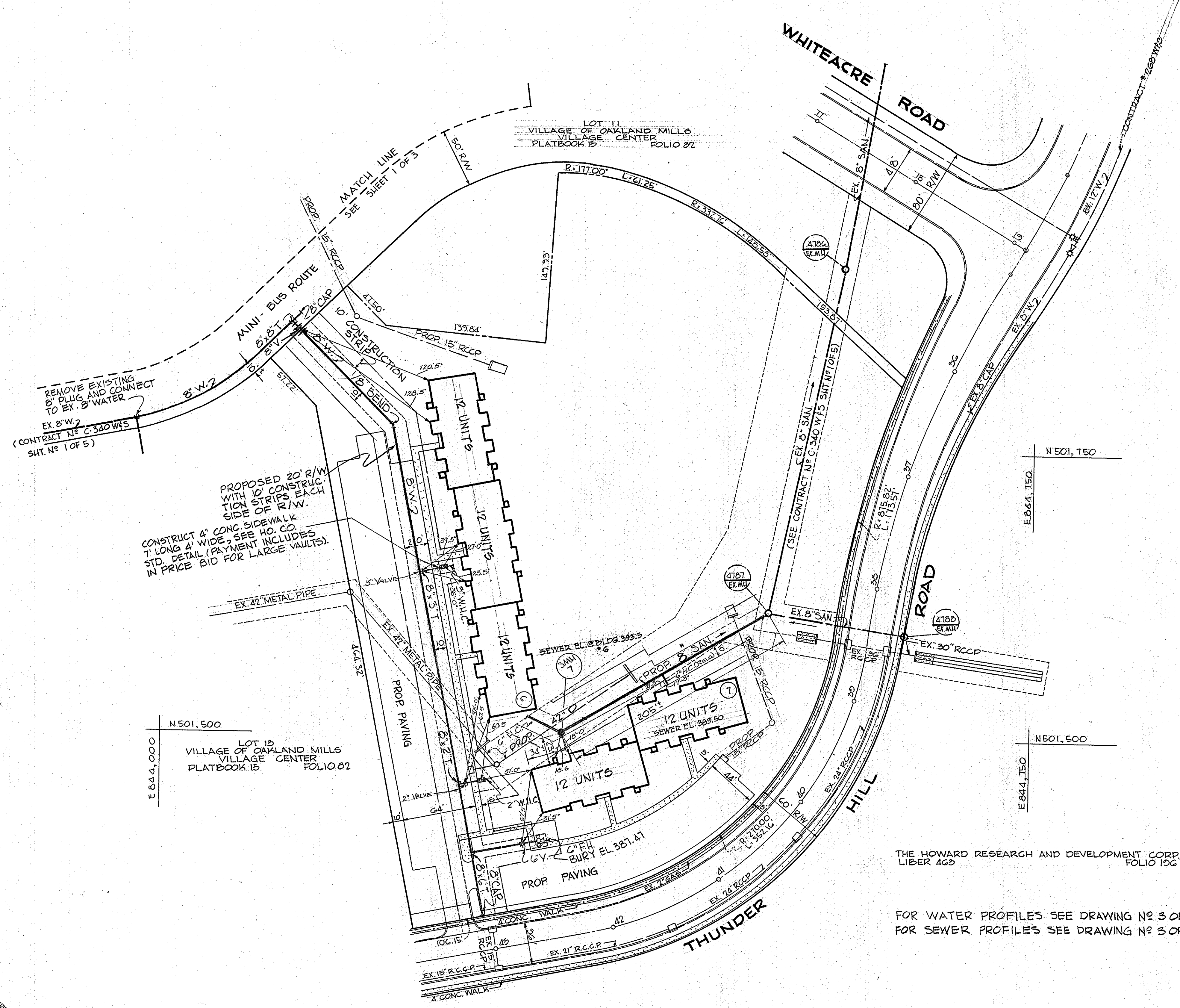
PROFILE OF
 WATER & SEWER MAINS

COLUMBIA
VILLAGE OF OAKLAND MILLS
 SECTION 2 SHADOW OAKS APTS. AREA 2

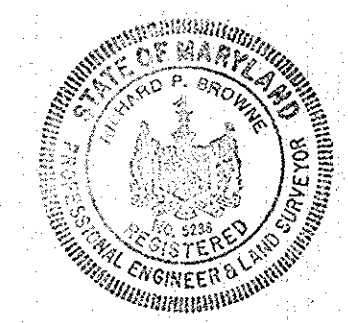
DRAWING NO. 3 OF 3
 SCALE: HORZ: 1"=100' VERT: 1"=10'

DES: W.H.N.
 DRW: W.H.N.
 CHK: T.K.S.

AS BUILT NOV. 26, 1971



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RICHARD P. BROWNE ASSOCIATES ENGINEERS AMERICAN CITY BUILDING, COLUMBIA MD.	HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 7-1-71 Date	W. O. Filbert Chief Engineer	CONTRACT NO. 423D-W8S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF OAKLAND MILLS SECTION 2 SHADOW OAKS APTS. AREA 2	DRAWING NO. 2 OF 3	SCALE 1" = 50'	DES: W.H.N. DRW: W.H.N. CHK: T.K.S.
	AS BUILT NOV. 26, 1971							

THE HOWARD RESEARCH AND DEVELOPMENT CORP.
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FOR WATER PROFILES SEE DRAWING NO 3 OF 3.
 FOR SEWER PROFILES SEE DRAWING NO 3 OF 3.