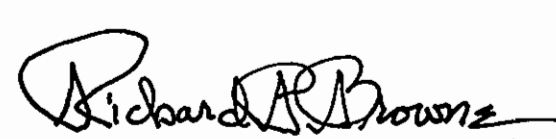



QUANTITIES	
ITEMS	QUANTITY
8" SEWER	2100 L.F.
8" WATER	780 L.F.
6" WATER	637 L.F.
3" WATER	323 L.F.
6" FIRE HYDRANT	3 EA.
2" W.M.'s	14 EA.
LARGE VAULT	14 EA.

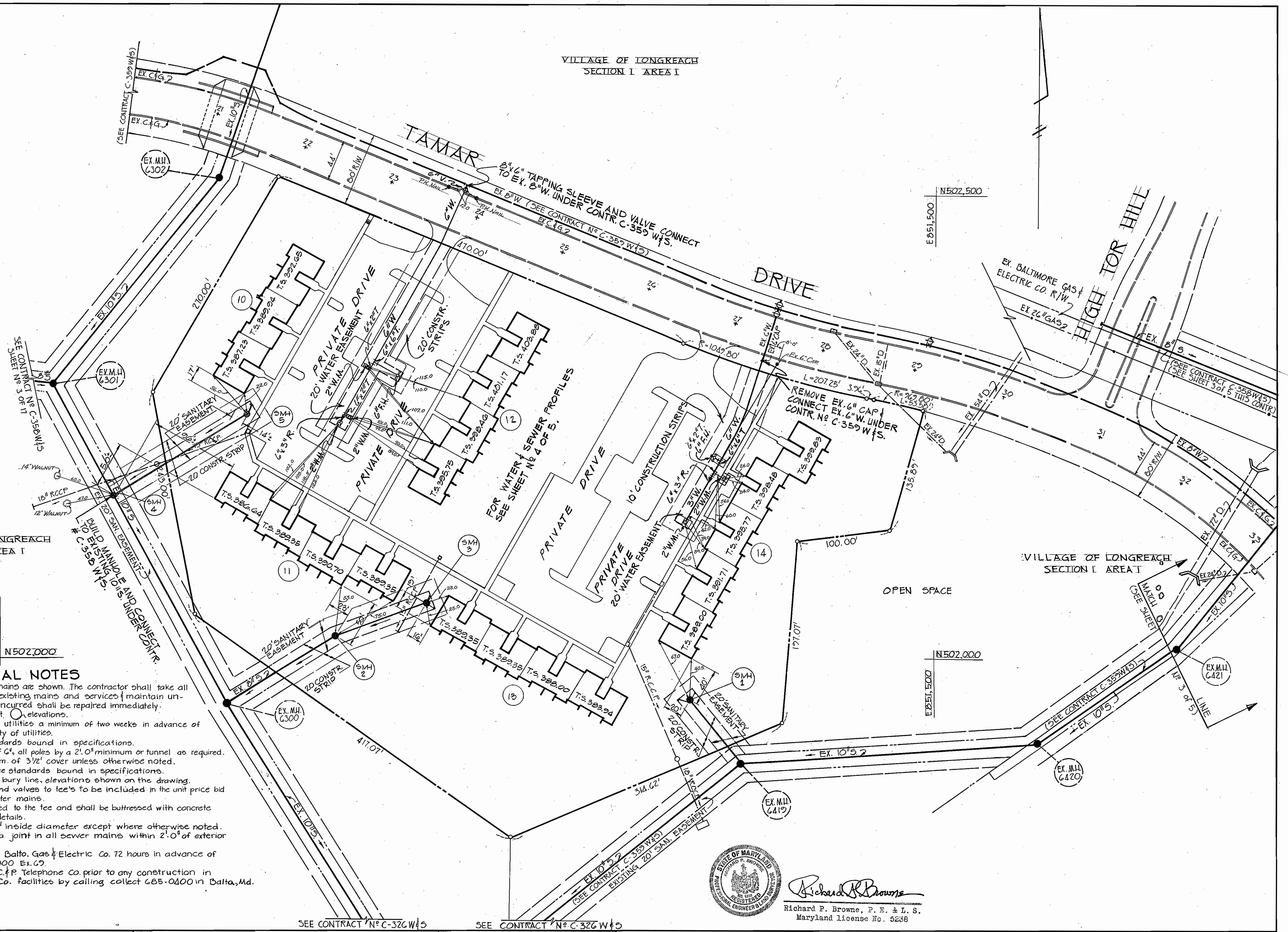
C O N T R A C T
W A T E R A N D S E W E R M A I N E X T E N S I O N S
H O W A R D C O U N T Y D E P A R T M E N T O F P U B L I C W O R K S
E L L I C O T T C I T Y , M A R Y L A N D


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RICHARD P. BROWNE ASSOCIATES ENGINEERS COLUMBIA, MD.	HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS Date: 10-1-71 Chief Engineer: <i>W. O. Falbert</i>	CONTRACT NO. 452-D-W&S	LOCATION MAP OF WATER & SEWER MAIN EXTENSIONS	COLUMBIA VILLAGE OF LONGREACH SECTION I AREA I PARCELS "B" & "C"	DRAWING NO. 1 OF 5 SCALE AS SHOWN	DES. T.K.S. DRW. W.H.M. CHK. T.K.S.
	AS BUILT				APRIL 21, 1972	

VILLAGE OF LONGREACH
SECTION I AREA I



VILLAGE OF LONGREACH
SECTION I AREA I

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 tee's 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. 67.
14. The contractor shall notify the C.F.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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HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Date: 10-1-71
W. O. Felbert
Chief Engineer

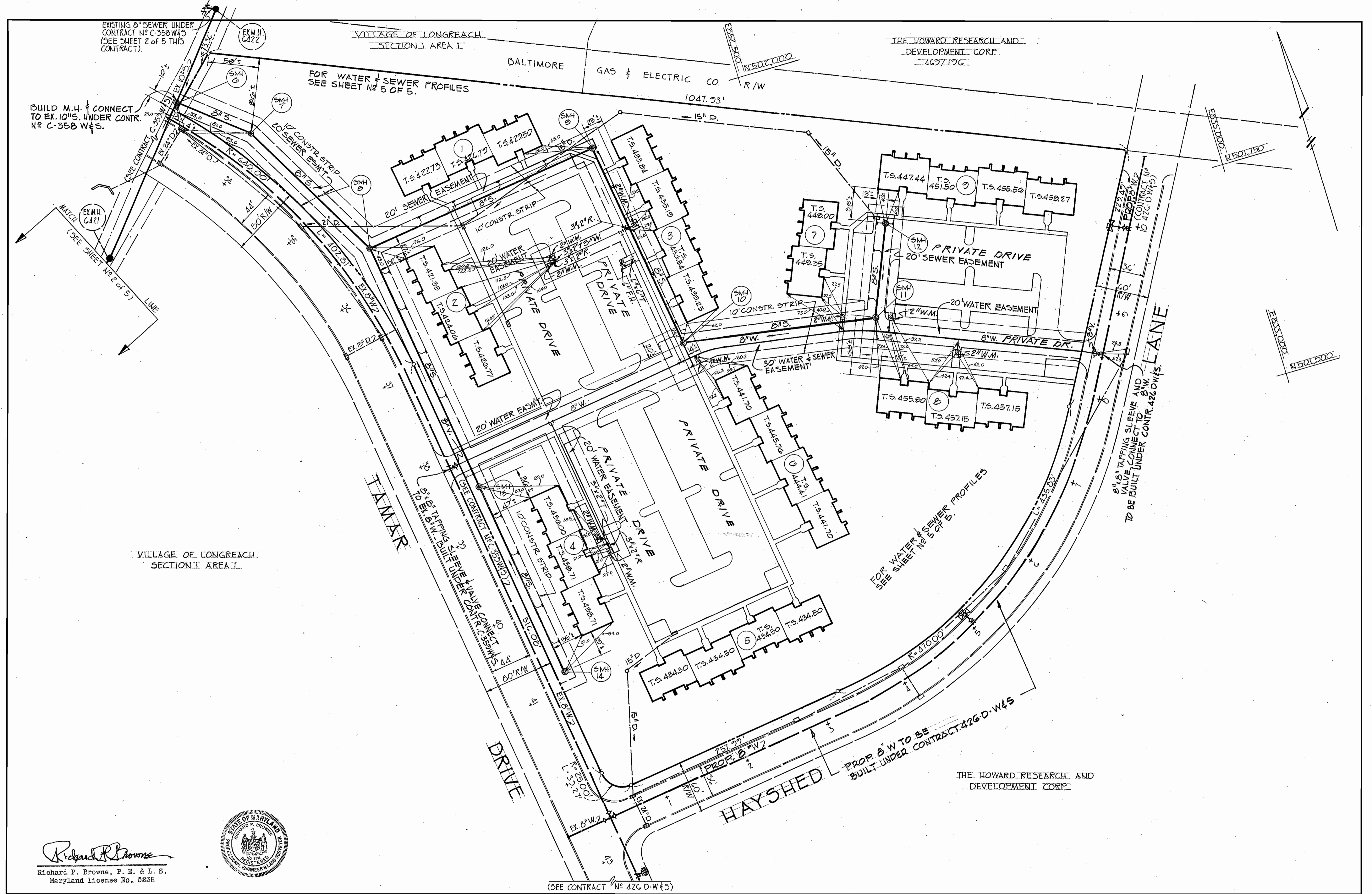
SEE CONTRACT NO. C-326 W&S
CONTRACT NO. 452-D-W&S

PLAN OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF LONGREACH
SECTION I AREA I
PARCEL "B"

DRAWING NO. 2 OF 5
SCALE 1" = 50'
DES. T.K.S.
DRW. W.H.N.
CHK. T.K.S.

AS BUILT APRIL 21, 1972



EXISTING 8" SEWER UNDER CONTRACT NO. C-358 W&S (SEE SHEET 2 OF 5 THIS CONTRACT).

BUILD M.H. & CONNECT TO EX. 10" S. UNDER CONTR. NO. C-358 W&S.

FOR WATER & SEWER PROFILES SEE SHEET NO. 5 OF 5.

THE HOWARD RESEARCH AND DEVELOPMENT CORP. 467196

VILLAGE OF LONGREACH SECTION I AREA I

FOR WATER & SEWER PROFILES SEE SHEET NO. 5 OF 5.

8" S. TAPPING SLEEVE AND VALVE, CONNECT TO 8" S.W. TO BE BUILT UNDER CONTR. 426 D-W&S

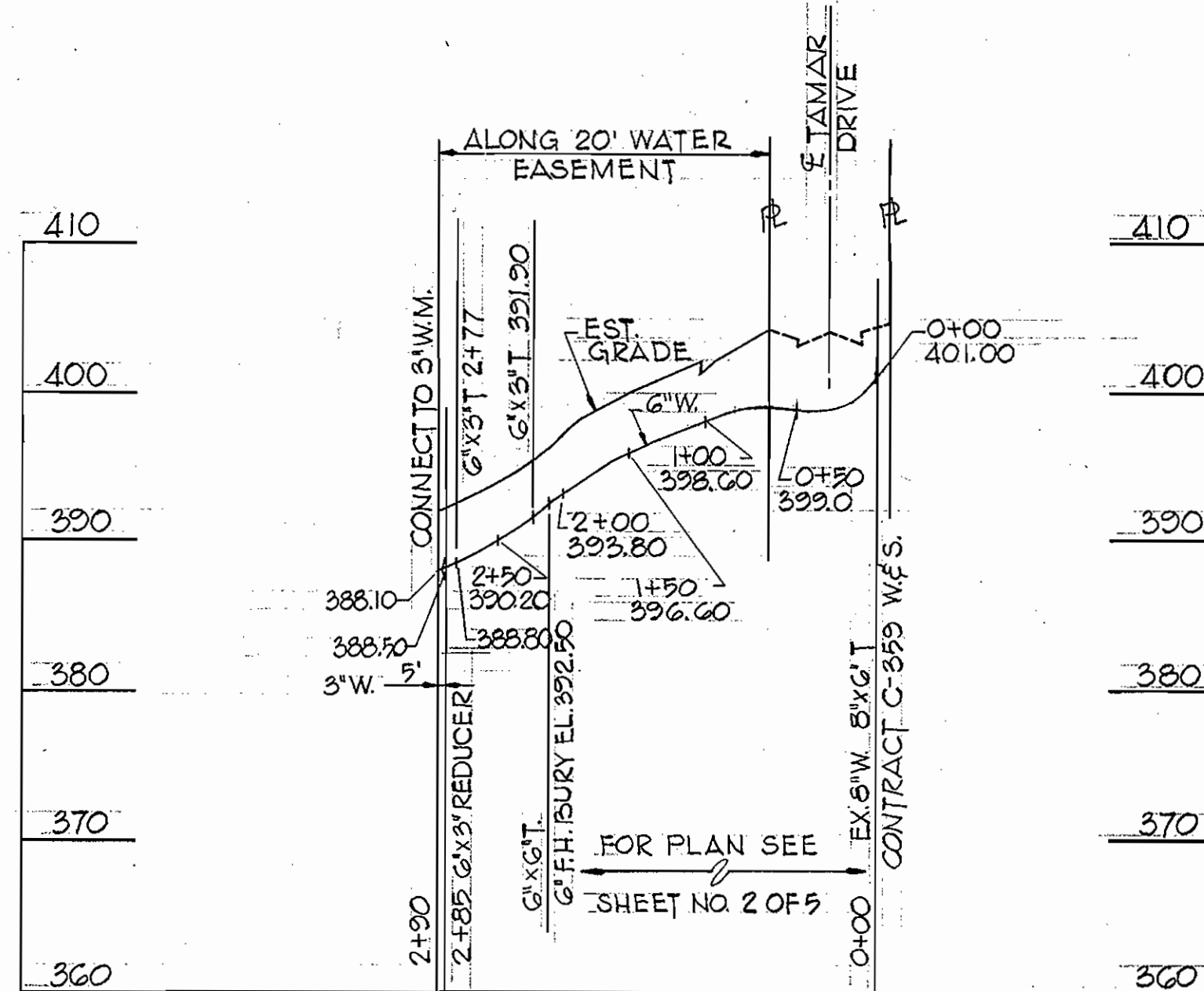
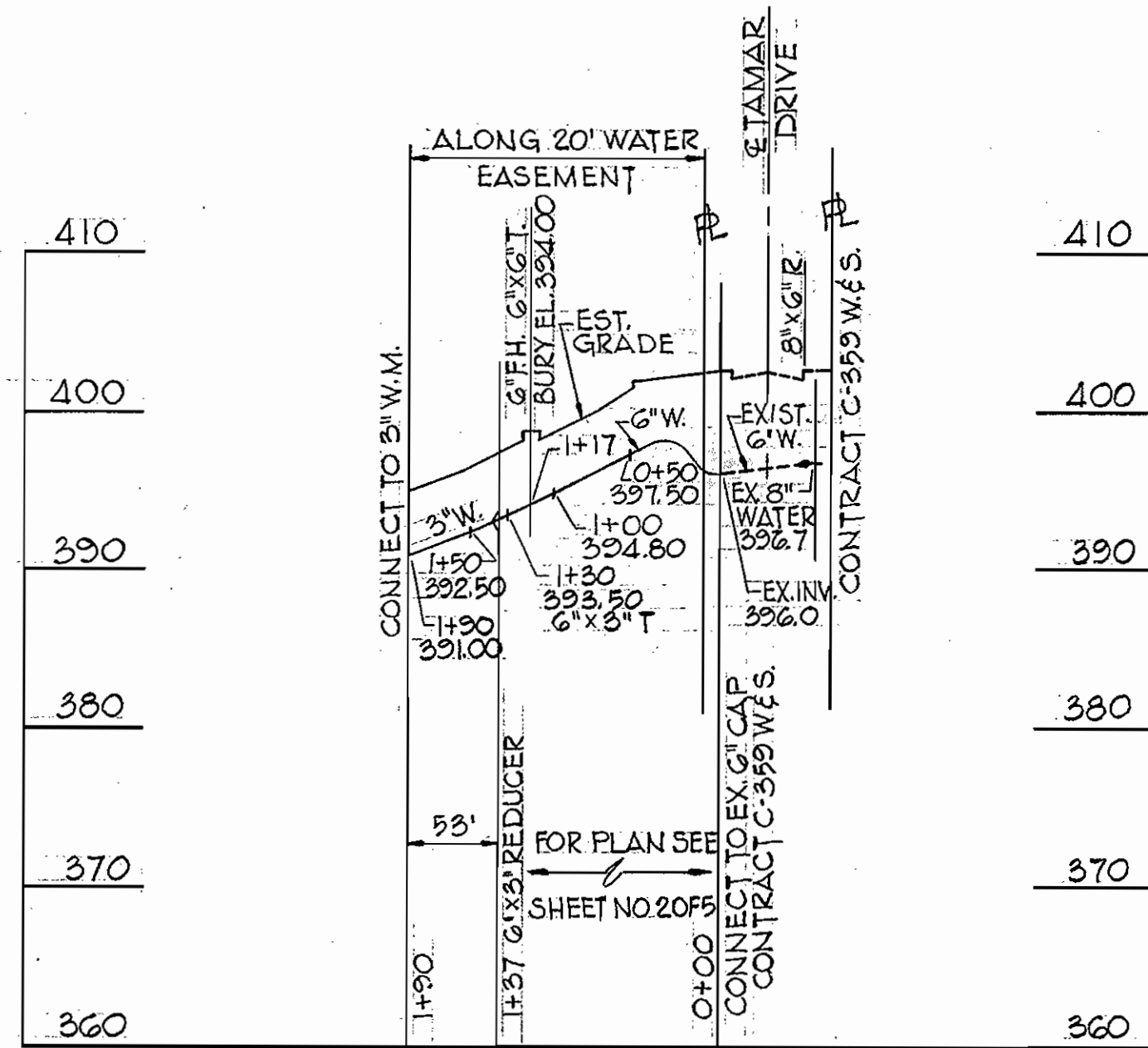
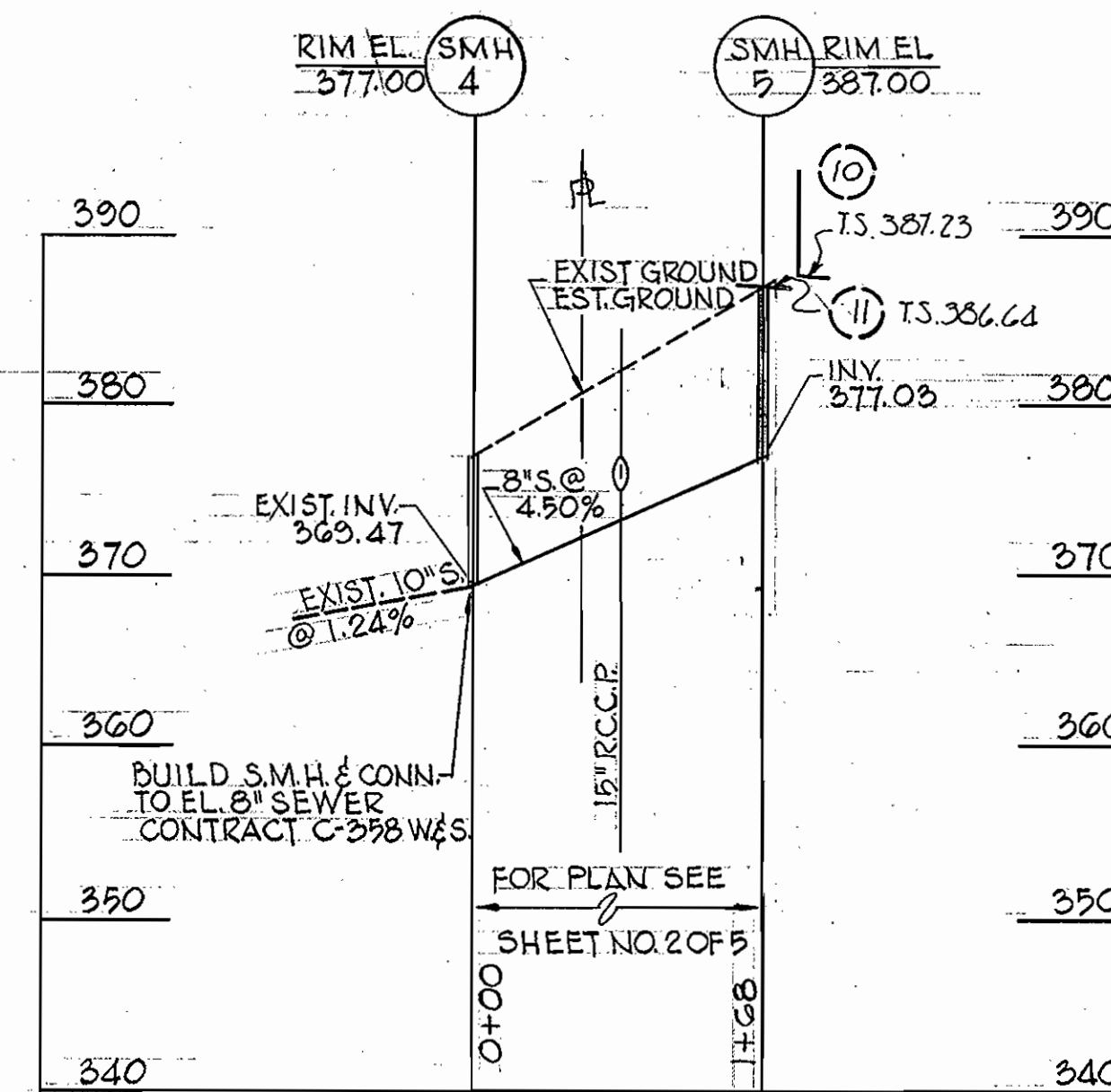
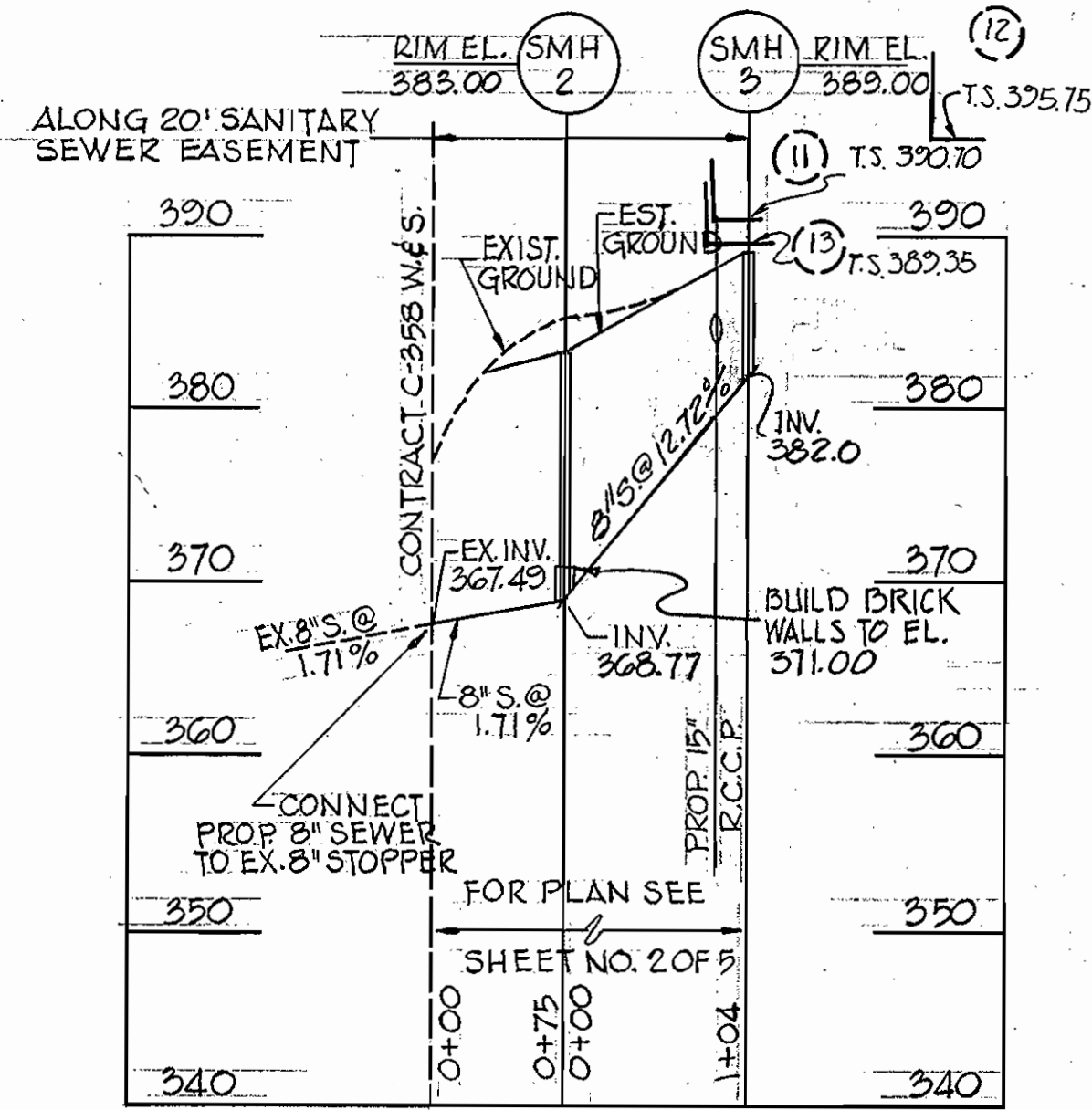
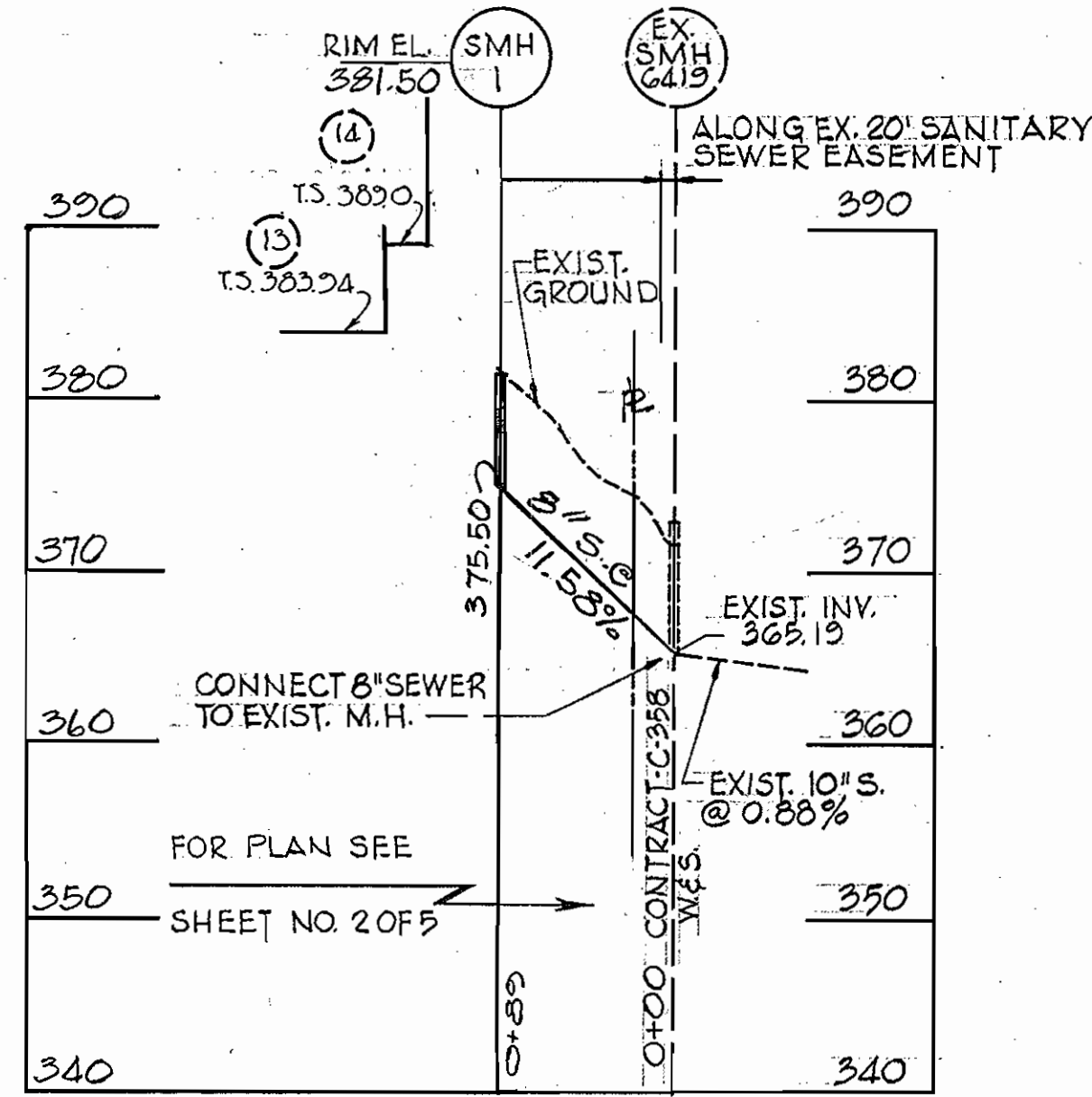
PROP. 8" W. TO BE BUILT UNDER CONTRACT 426 D-W&S

(SEE CONTRACT NO. 426 D-W&S)

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RICHARD P. BROWNE ASSOCIATES ENGINEERS COLUMBIA, MD.	HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS Date: 10-1-71 Chief Engineer: W. O. Falbert	CONTRACT NO. 452-D-W&S	PLAN OF WATER & SEWER MAINS	COLUMBIA VILLAGE OF LONGREACH SECTION I AREA I PARCEL "C"	DRAWING NO. 3 OF 5	SCALE 1" = 50'	DES. T.K.S. DRW. W.H.N. CHK. T.K.S.
	AS BUILT APRIL 21, 1972						



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HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 10-1-71 *W O Felbert*
 Date Chief Engineer

CONTRACT NO. 452-D-W&S

PROFILES OF WATER & SEWER MAINS

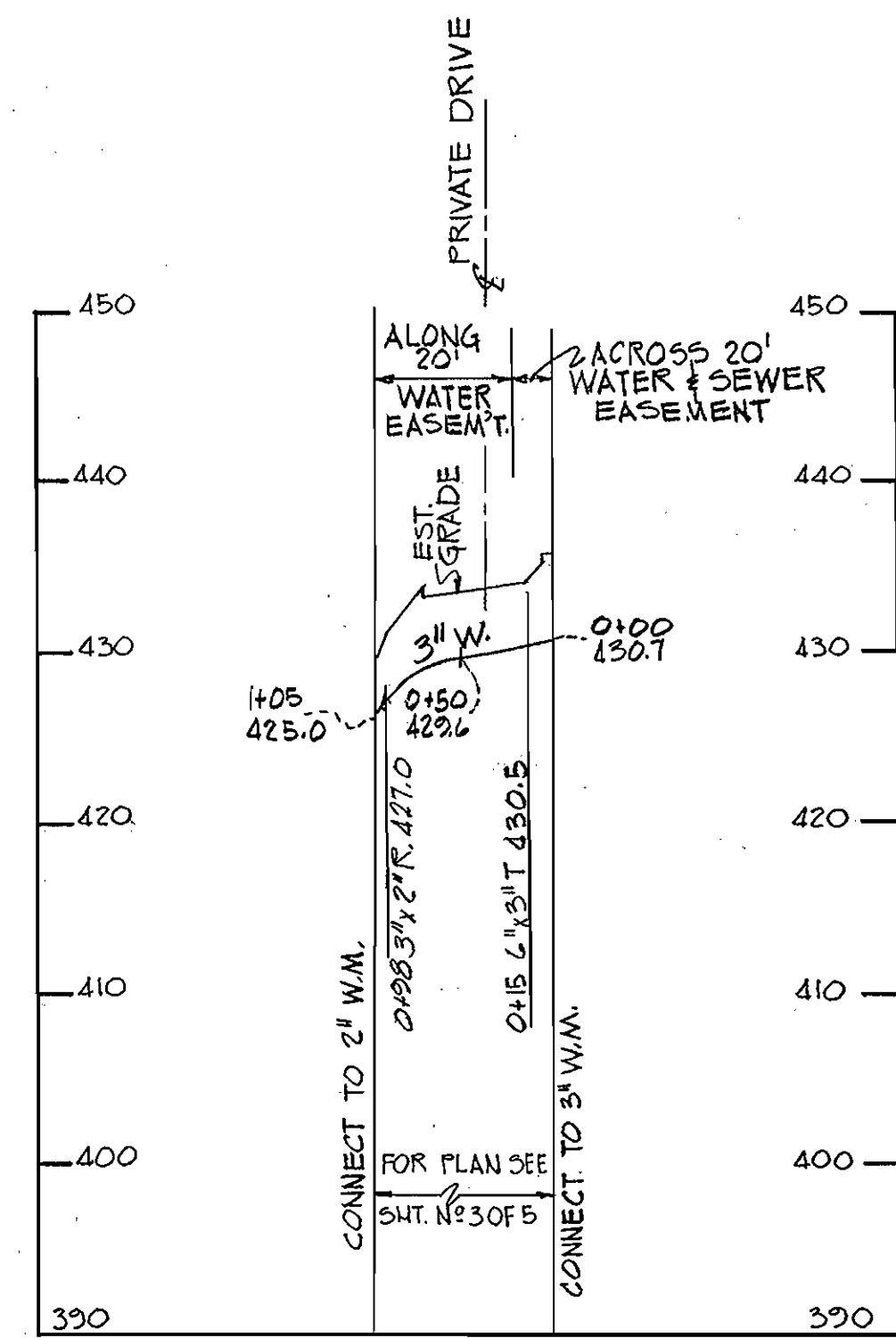
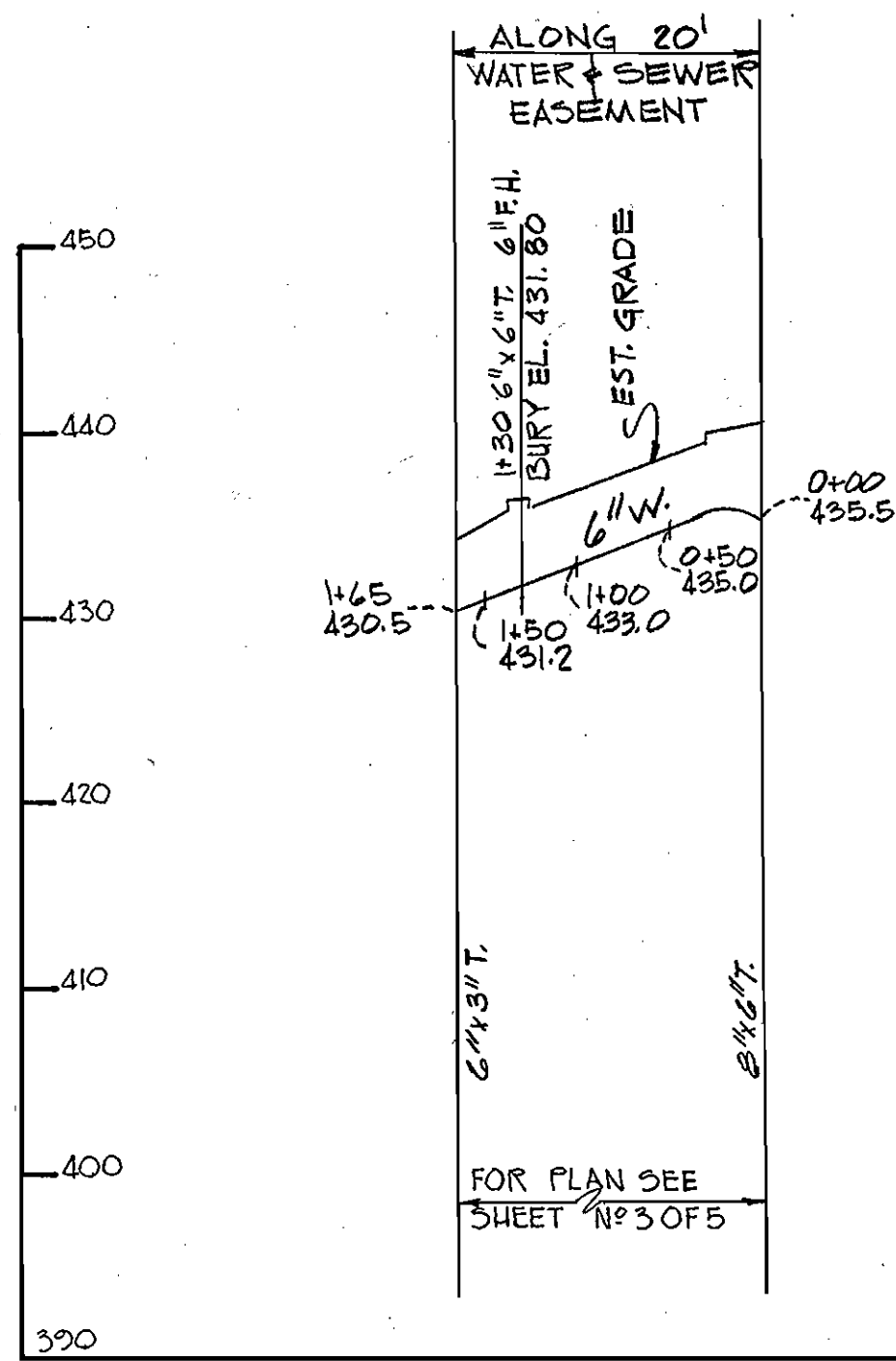
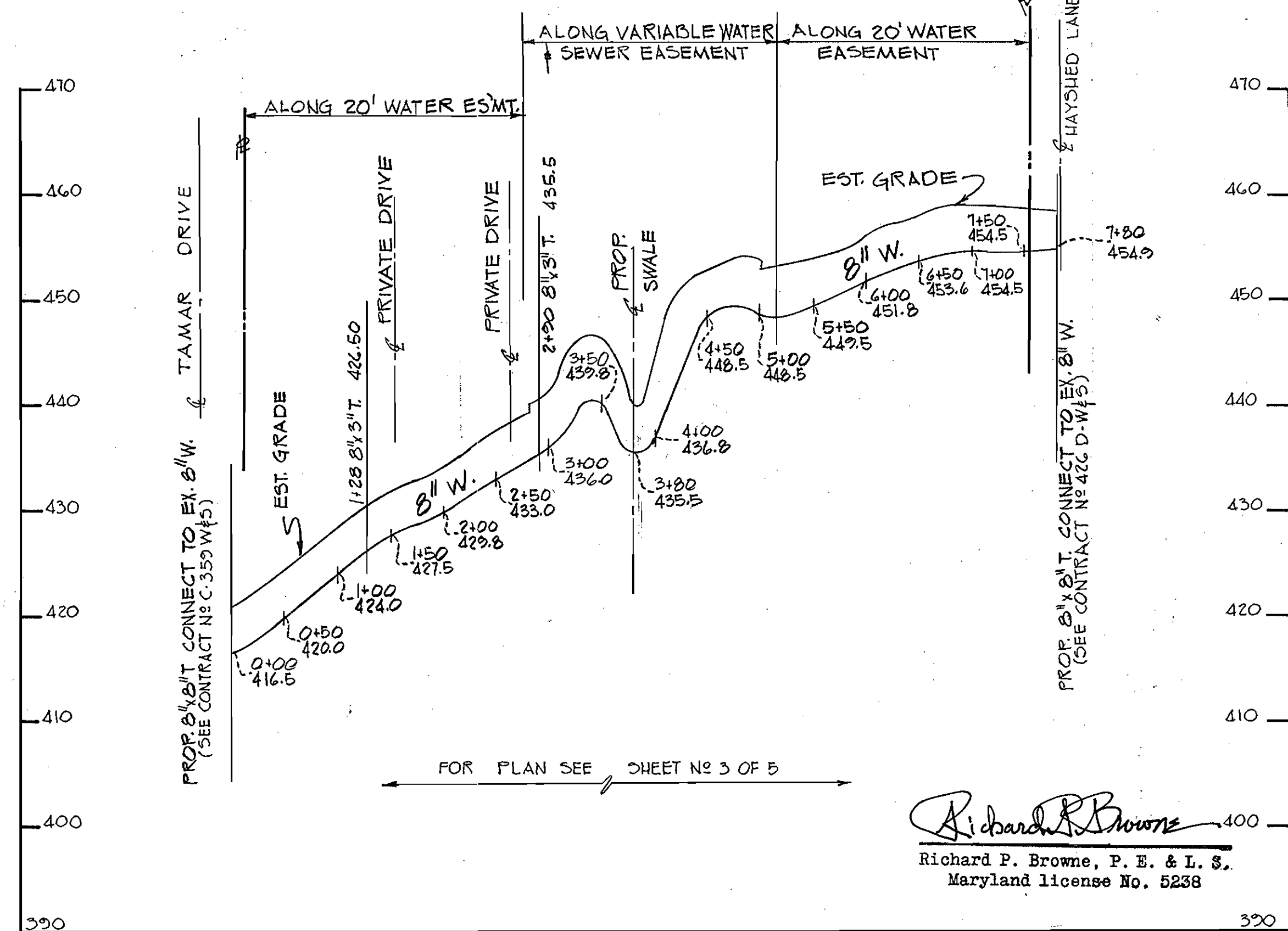
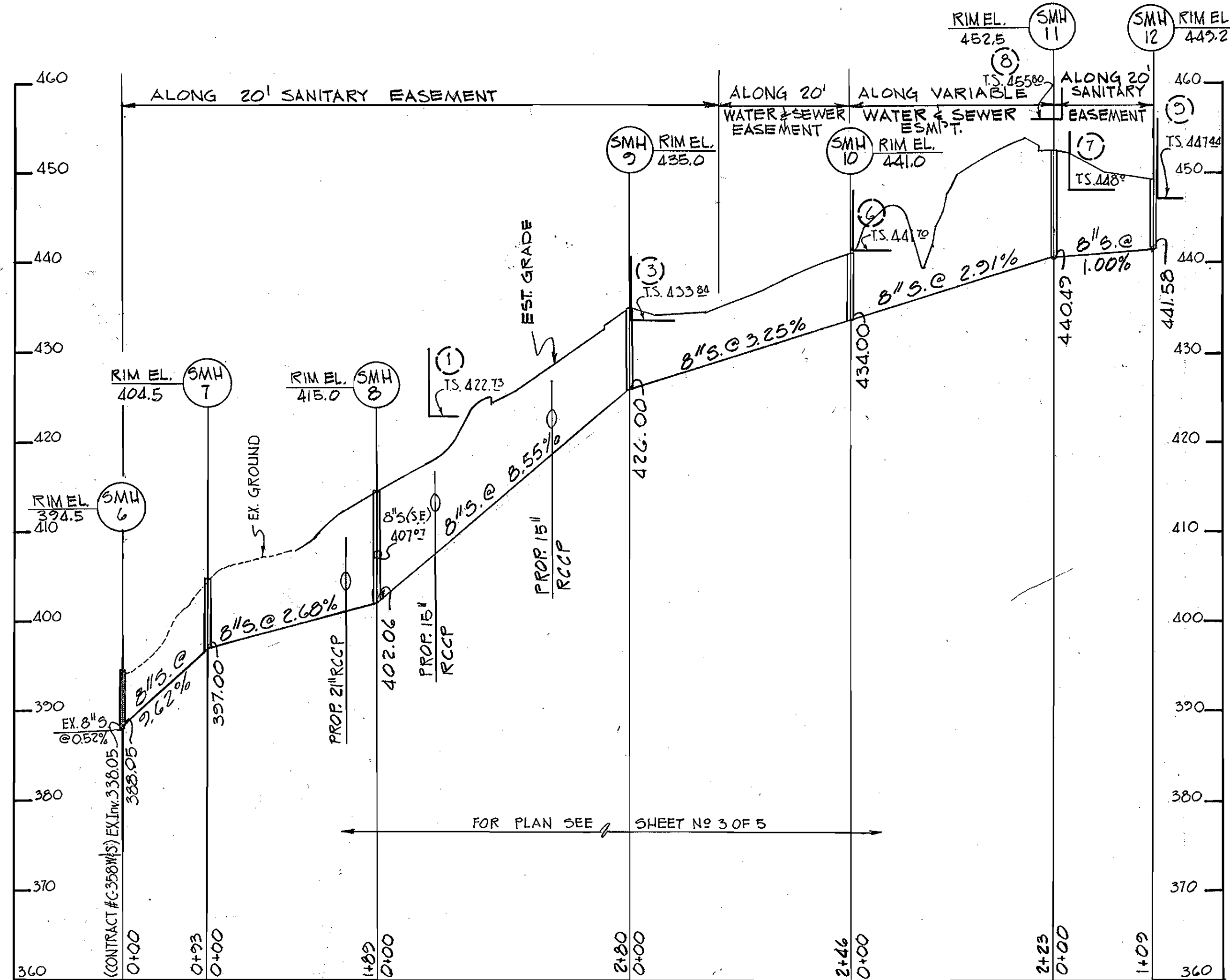
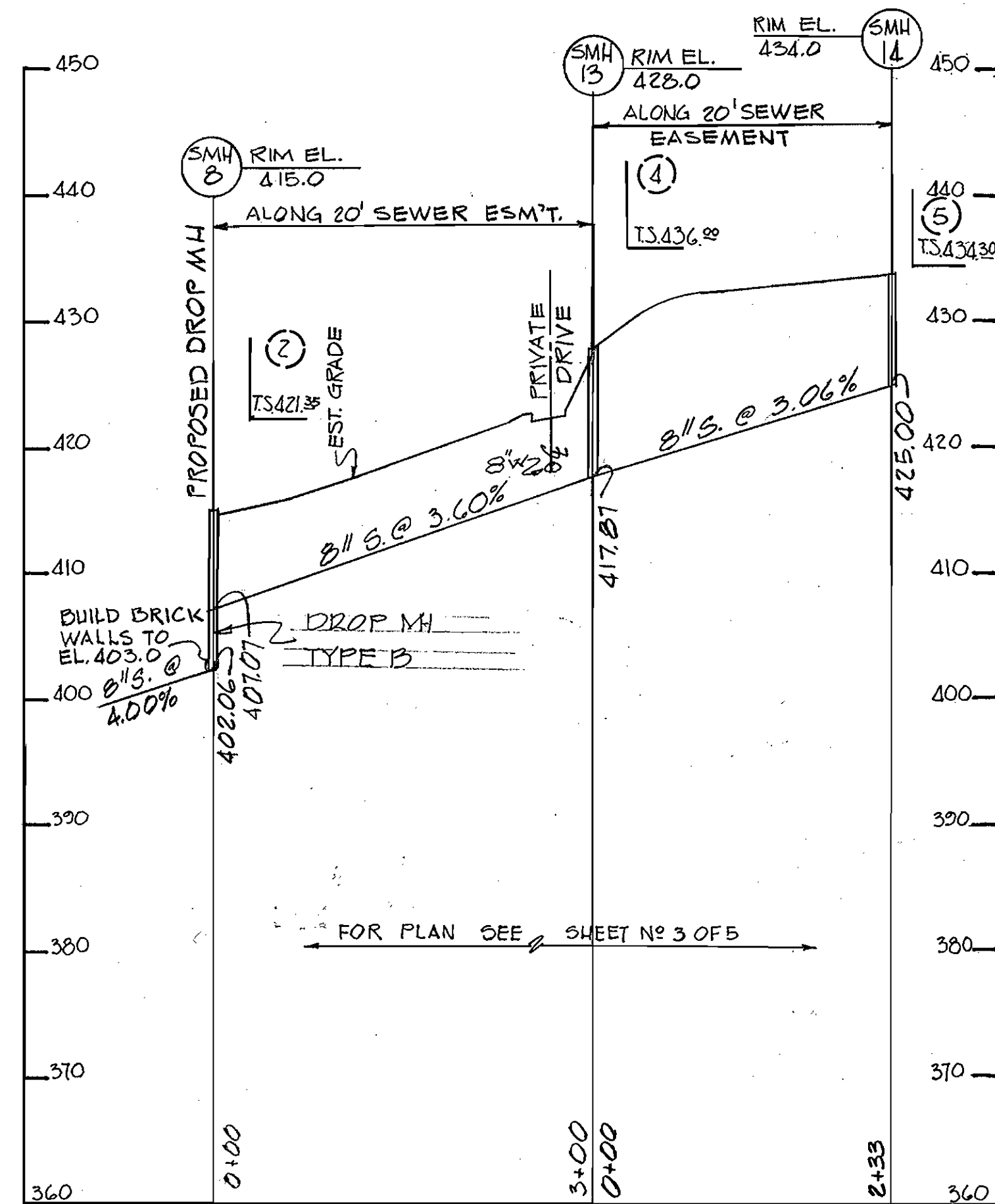
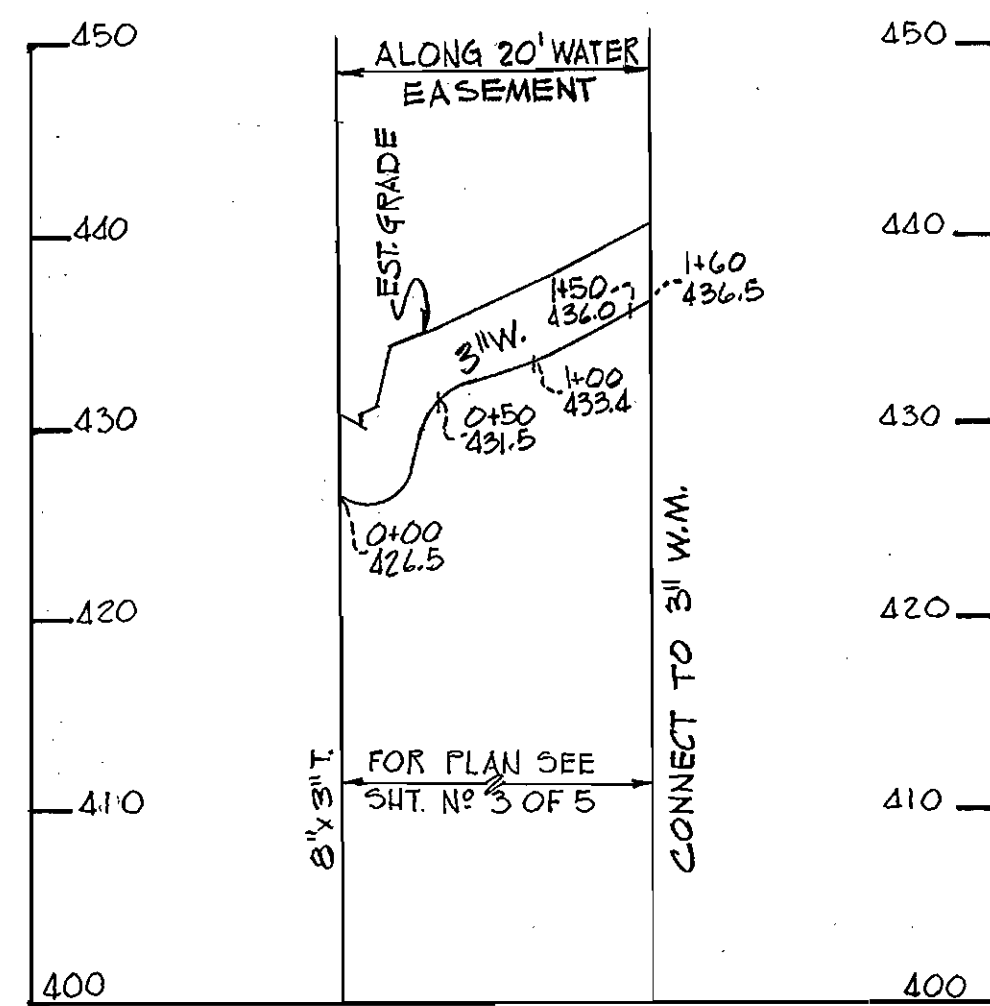
COLUMBIA VILLAGE OF LONGREACH SECTION I AREA I PARCEL "B"

DRAWING NO. 4 OF 5

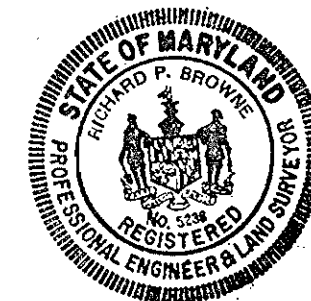
SCALE HOR. 1"=100' VERT. 1"=10'

DES. W.H.N. DRW. J.E.P. CHK. T.K.S.

AS BUILT APRIL 21, 1972



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HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Date: 10-1-71 *W O Felbat*
 Chief Engineer

CONTRACT NO. 452-D-W&S

PROFILES OF WATER & SEWER MAINS

COLUMBIA VILLAGE OF LONGREACH SECTION I AREA I PARCEL "C"

DRAWING NO. 5 OF 5
 SCALE HOR. 1"=100' VERT. 1"=10'
 DES. W.N.N. DRW. W.N.N. CHK. T.K.S.

AS BUILT APRIL 21, 1972