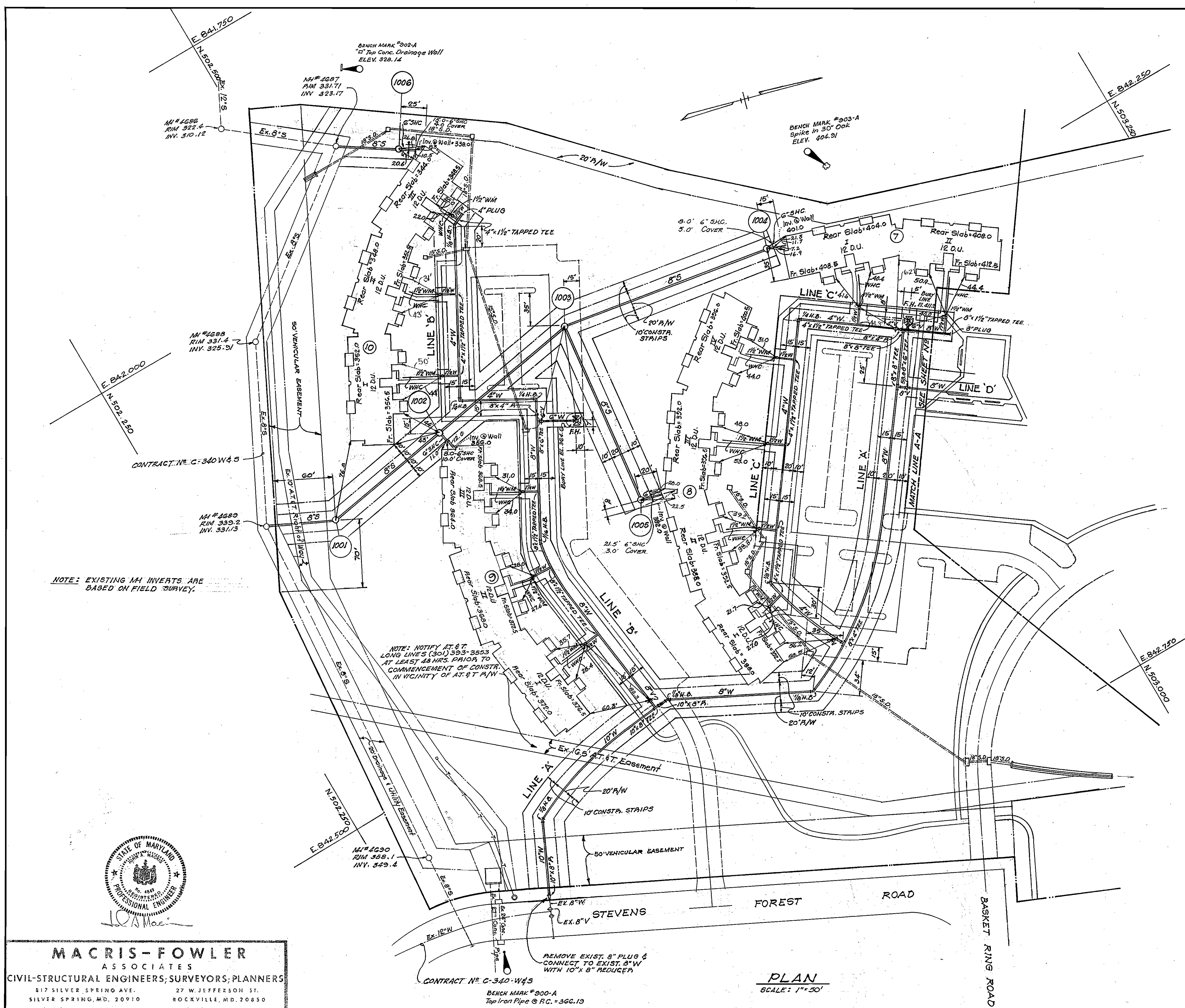


QUANTITIES	
6" S.H.C.	235'
8" SEWER	2770'
4" WATER MAIN	1143'
6" WATER MAIN	48'
8" WATER MAIN	2082'
10" WATER MAIN	1235'
12" W.H.C.	390'
FIRE HYDRANTS	3

**AUTUMN CREST GARDEN APTS.
VILLAGE OF OAKLAND MILLS
SECT. 2, AREA 3, PARCEL 'A'**

GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains & services & maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert (I) elevations.
3. The Contractor shall locate existing utilities a min. of two weeks in advance of construction in vicinity of utilities.
4. For all standard details see standards bound in specifications.
5. Clear utilities by a min. of 6', clear all poles by 2'-0" min or tunnel as required.
6. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
7. All manholes shall be 4'-0" inside diameter.
8. All water mains to have a min. of 3 1/2' cover unless otherwise noted.
9. Block all fittings with concrete, see standards bound in specifications.
10. Bury line elevations on fire hydrants shall be set to the elevations shown on drawings.
11. All fire hydrants shall be strapped to the tee & shall be buttressed with concrete in accordance with standard details.
12. Cost of strapping fire hydrants & valves to tees to be included in unit price bid for furnishing & laying of water mains.
13. All horizontal & vertical controls are based on Maryland State Datum.
14. Locate all 1 1/2" W.M. in sidewalk. The Contractor shall verify location & elevation of sidewalk with developer before construction of vaults. All W.H.C. beyond vault by others.



NOTE: EXISTING MH INVERTS ARE BASED ON FIELD SURVEY.

NOTE: NOTIFY AT 6 T. LONG LINES (301) 393-3553 AT LEAST 48 HRS. PRIOR TO COMMENCEMENT OF CONSTR. IN VICINITY OF AT-9 T.P.W.

REMOVE EXIST. 8" PLUG & CONNECT TO EXIST. 8" W WITH 10" x 8" REDUCER.

PLAN
SCALE: 1" = 50'



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27 W. JEFFERSON ST. ROCKVILLE, MD. 20850 (301) 762-3858

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-1-71 DATE
W. O. Falbert CHIEF-BUREAU OF WATER AND SEWER

CONTRACT NO. 439-D-W&S

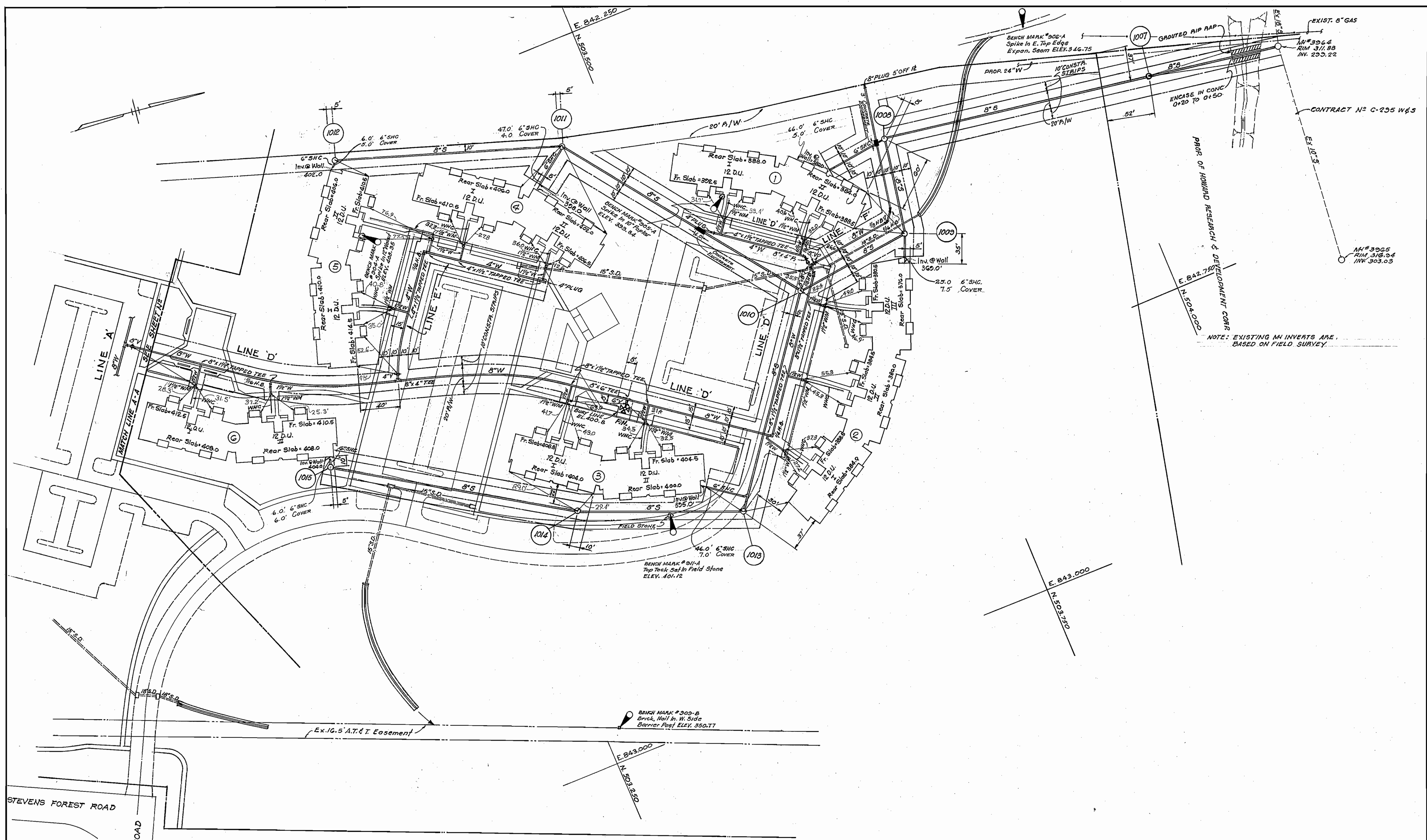
PLAN OF WATER & SEWER MAINS

COLUMBIA VILLAGE OF OAKLAND MILLS ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 1 OF 4 SCALE AS SHOWN

AS-BUILT - APRIL 20, 1972

WS 439- -W&S//



NOTE: EXISTING MH INVERTS ARE BASED ON FIELD SURVEY.

PLAN
SCALE: 1" = 50'

MACRIS-FOWLER ASSOCIATES
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 SILVER SPRING, MD. 20910 ROCKVILLE, MD. 20850
 (301) 585-0030 (301) 762-3858



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 10-1-71
 W. O. Libert
 CHIEF-BUREAU OF WATER AND SEWER

CONTRACT NO. 439-D-W 8 S

PLAN OF WATER & SEWER MAINS

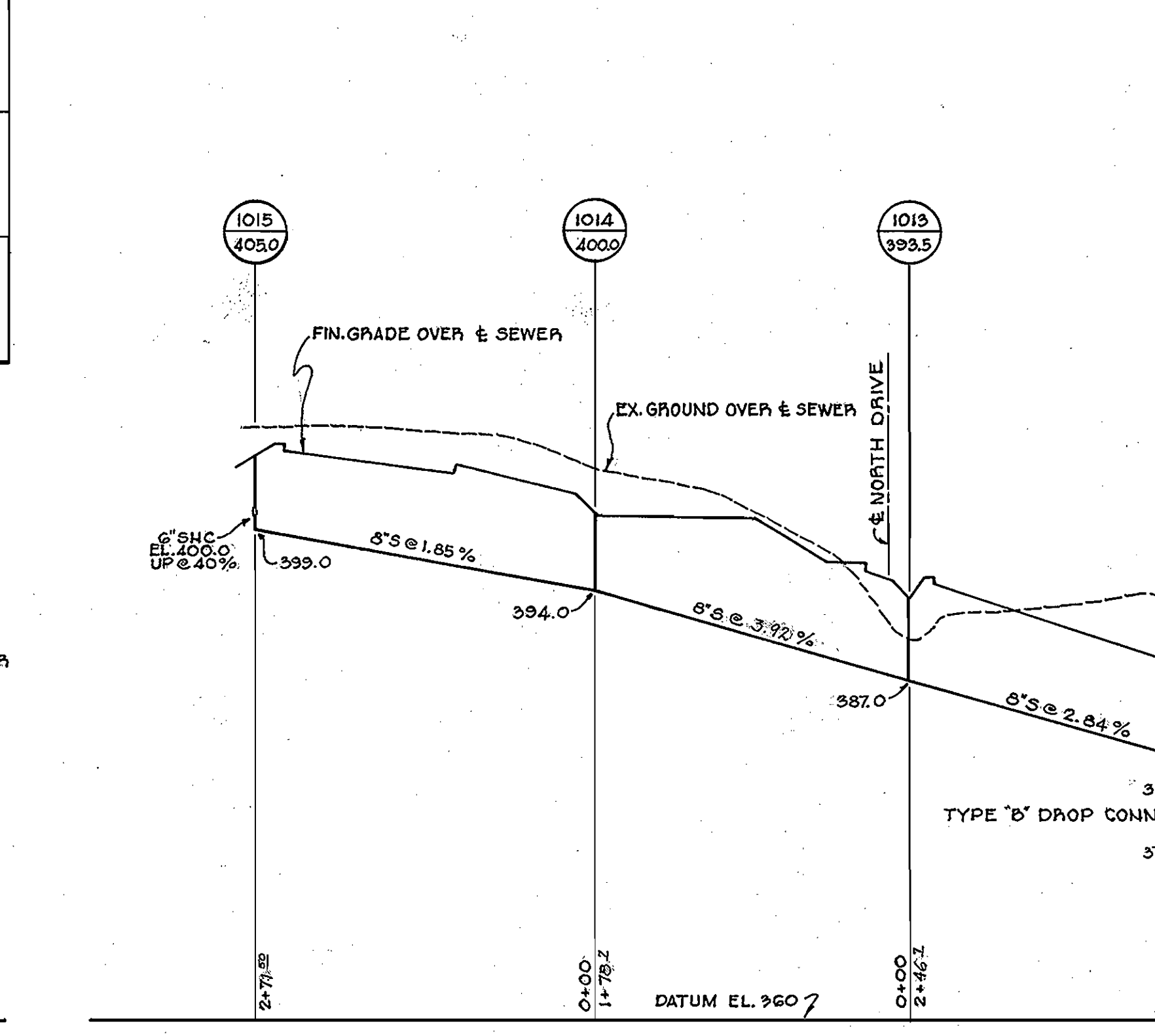
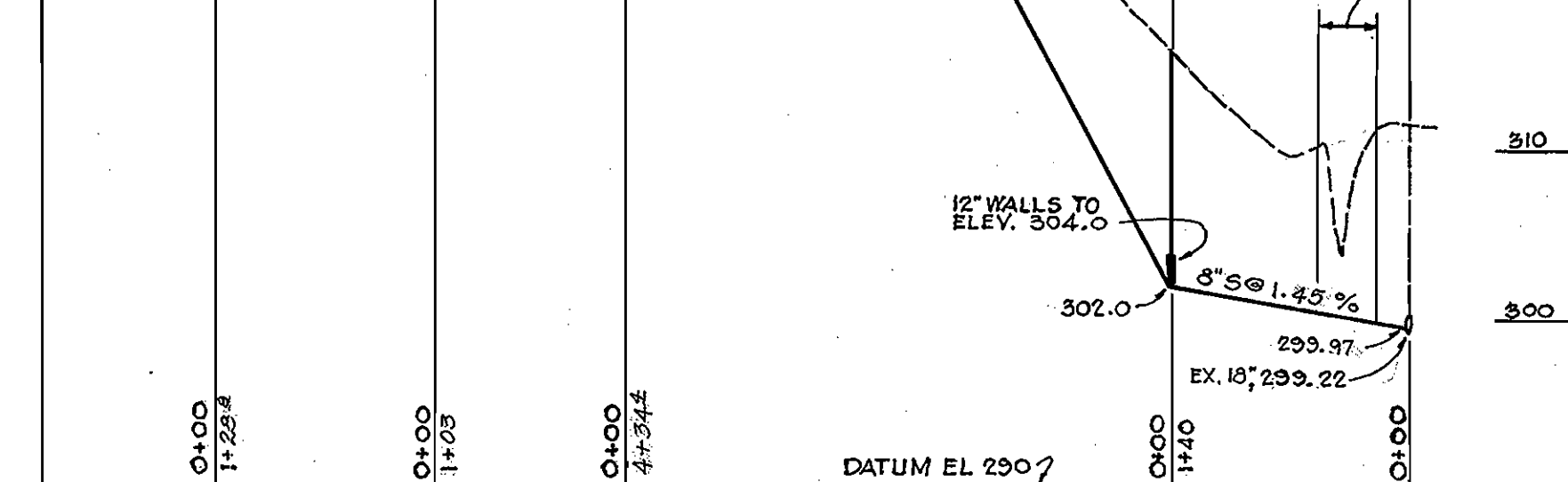
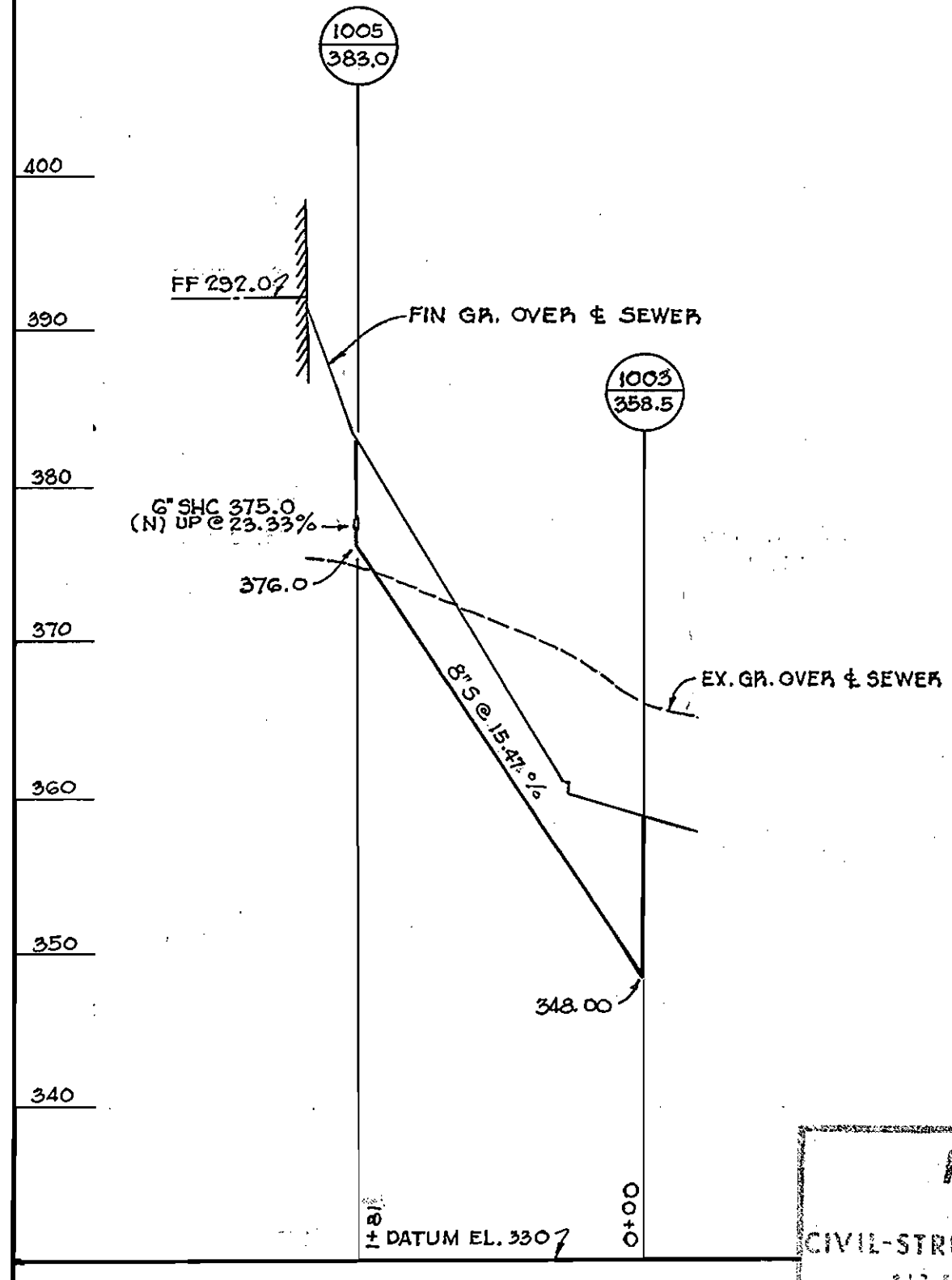
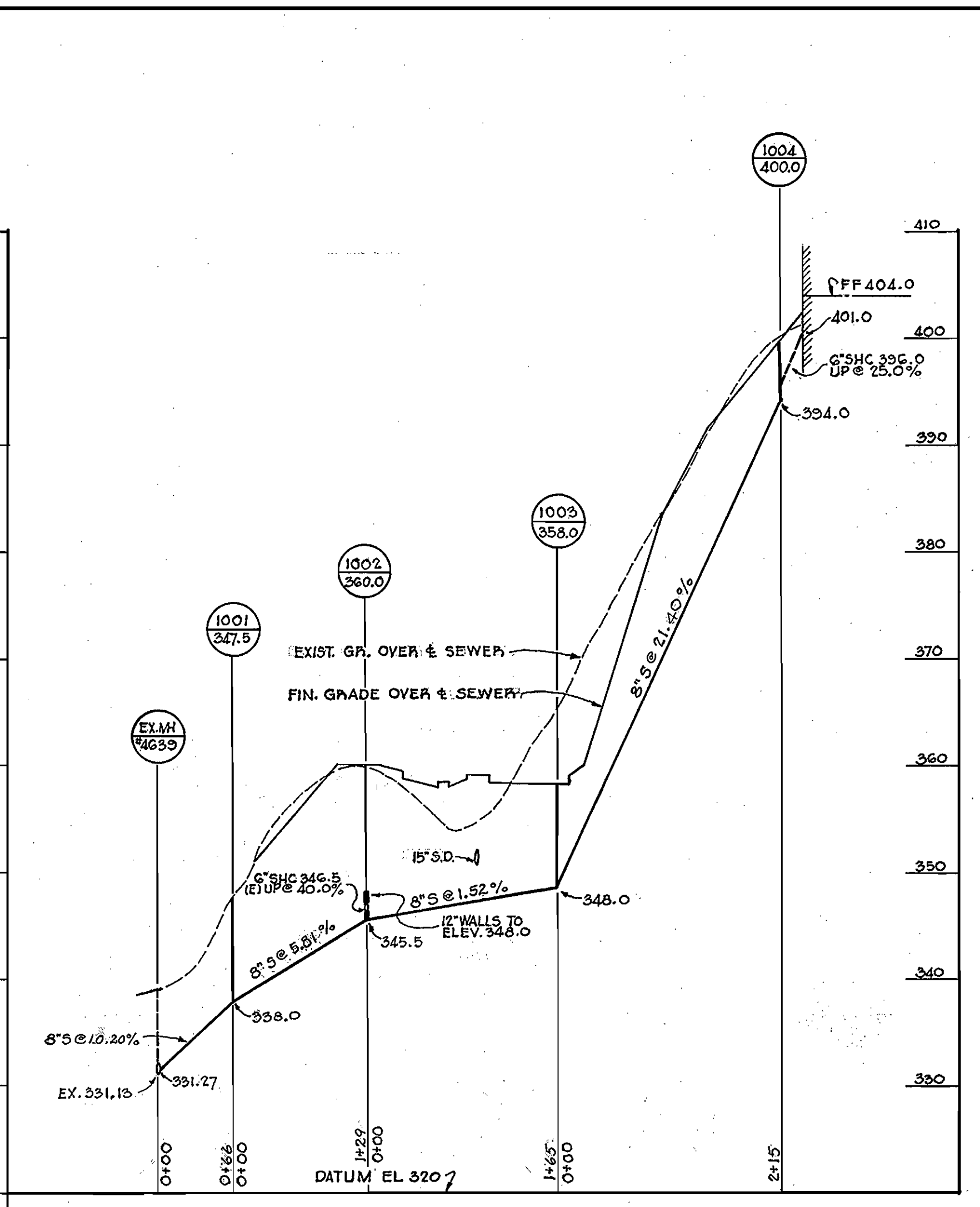
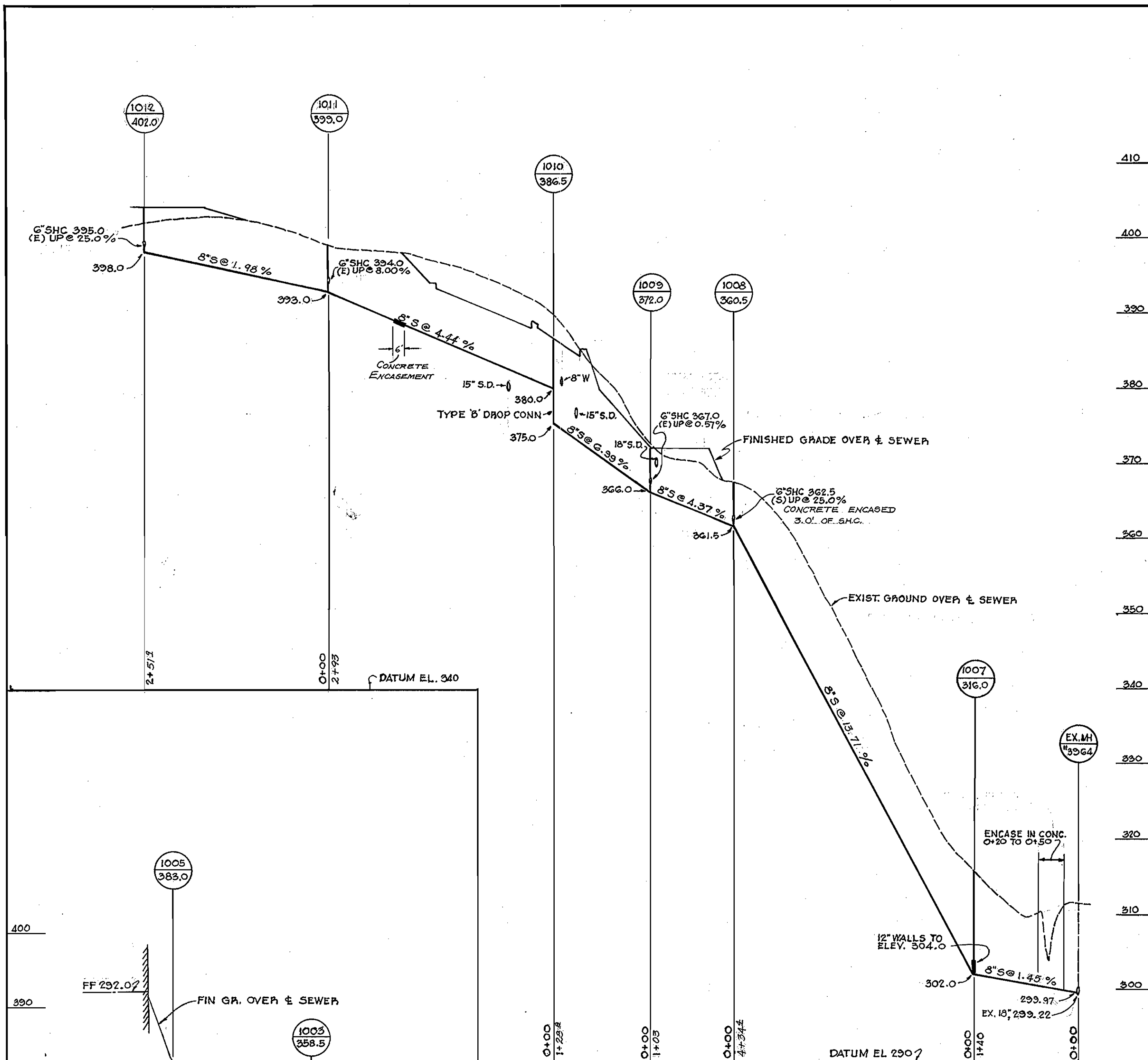
COLUMBIA
 VILLAGE OF OAKLAND MILLS
 ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 2 OF 4
 SCALE AS SHOWN

Dwg 108-73

As-BUILT - APRIL 20, 1972

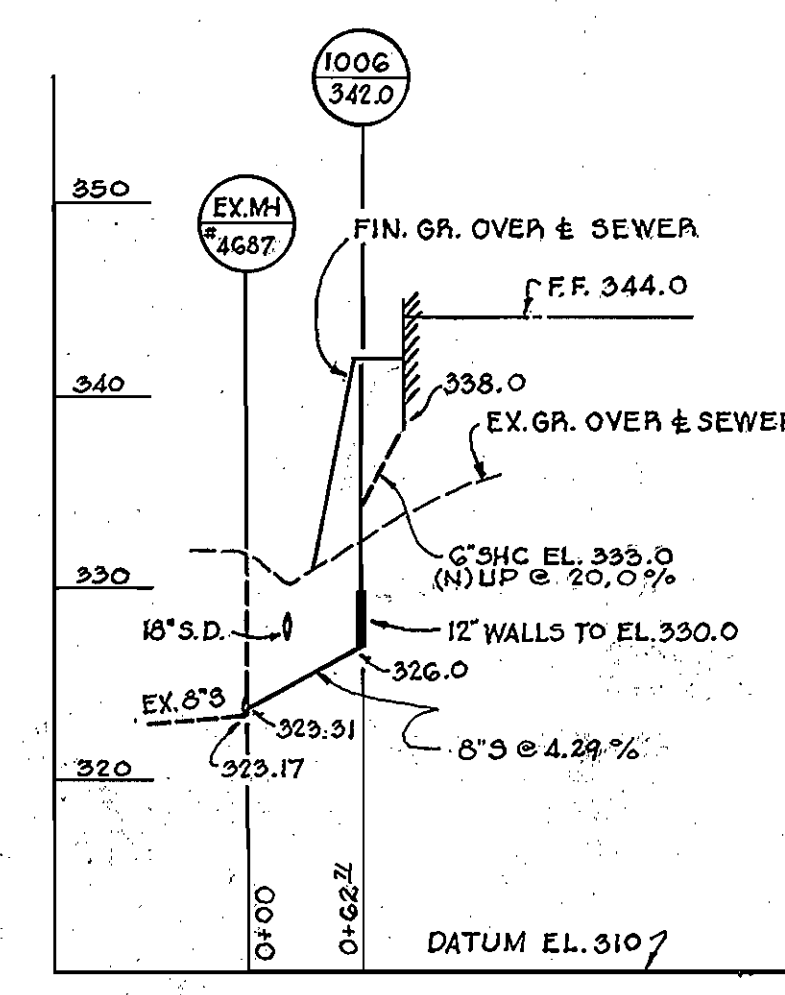
WS 439 - W45/2



PROFILES
SCALE 1"=10' VERT.
1"=100' HORZ.



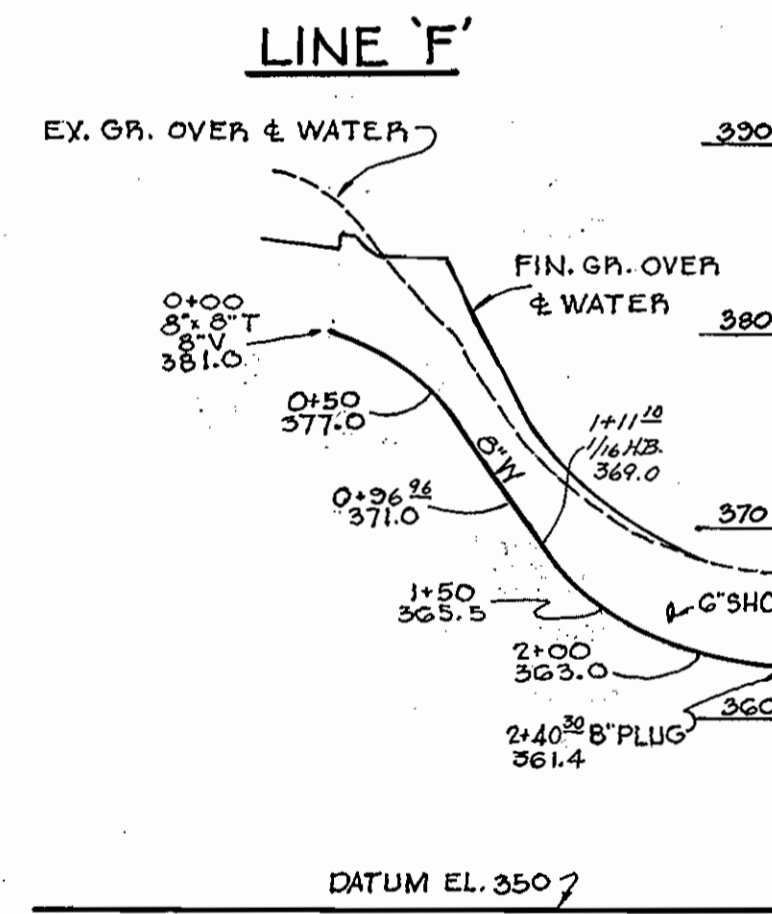
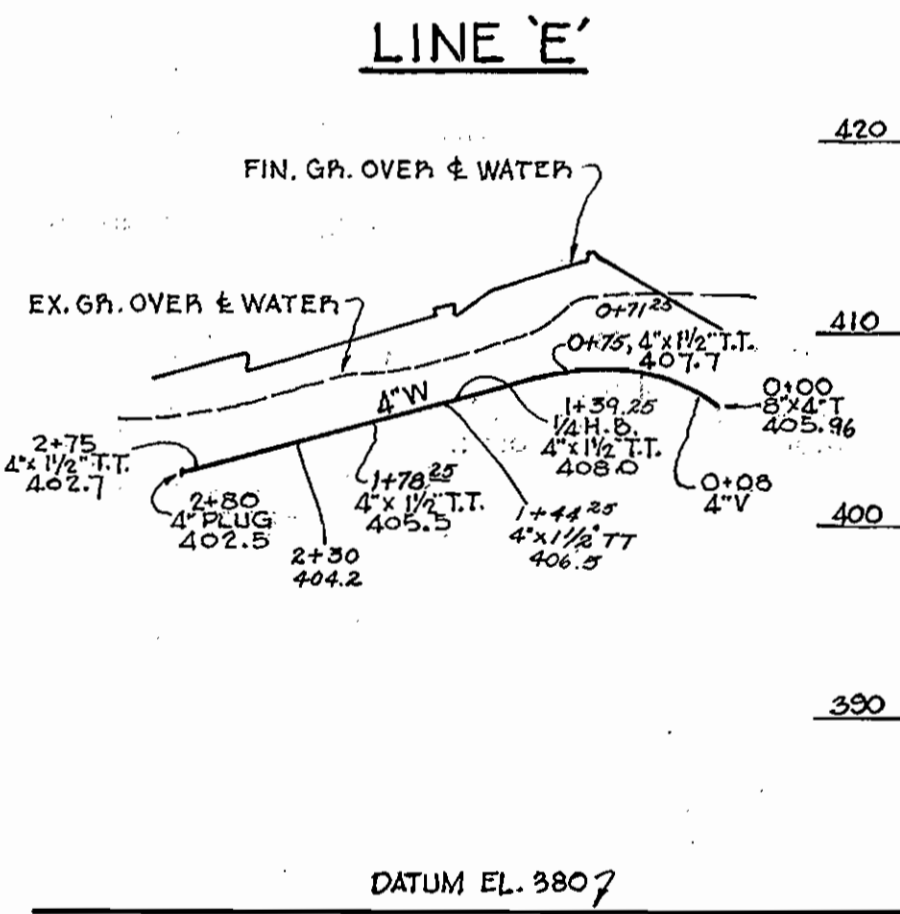
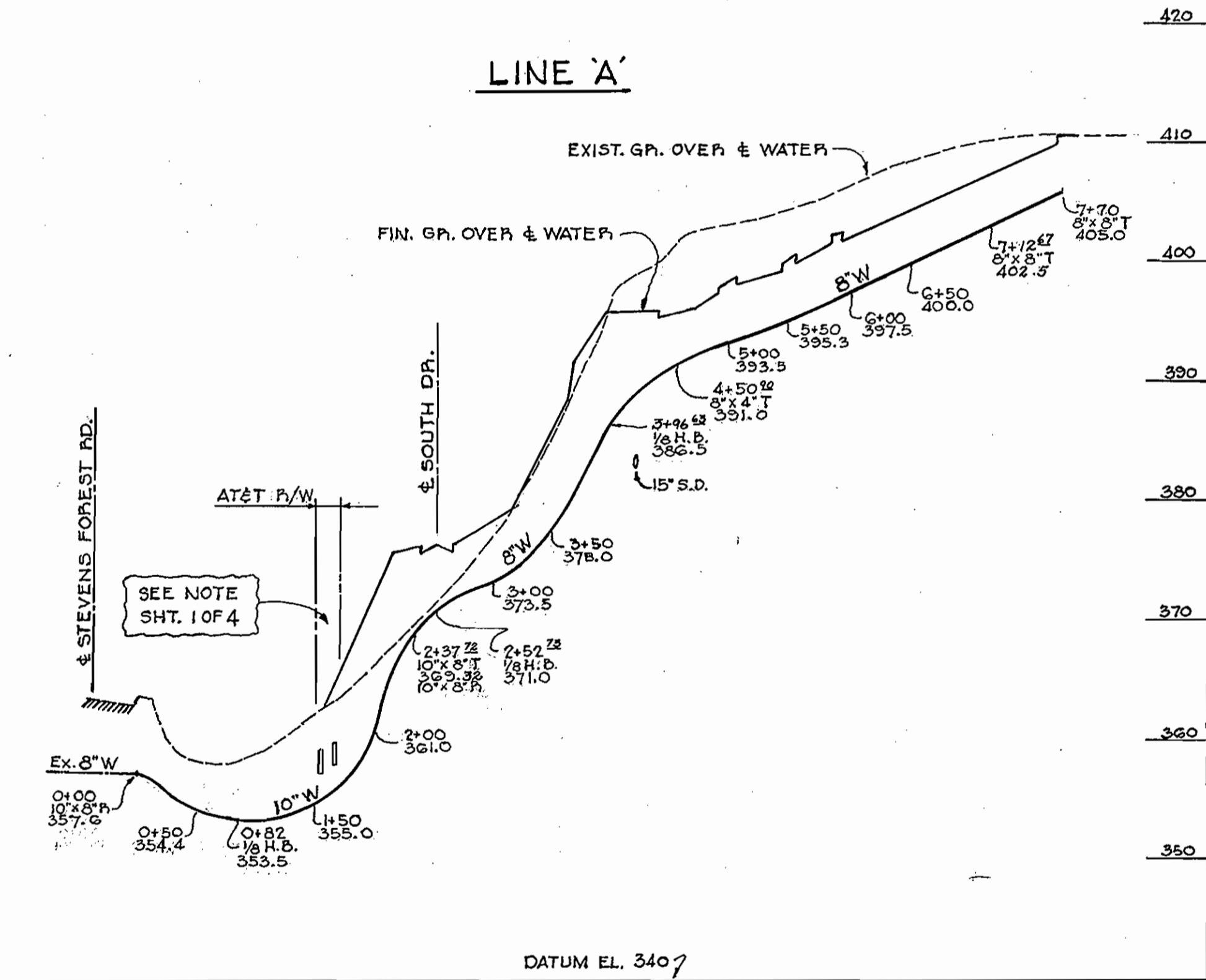
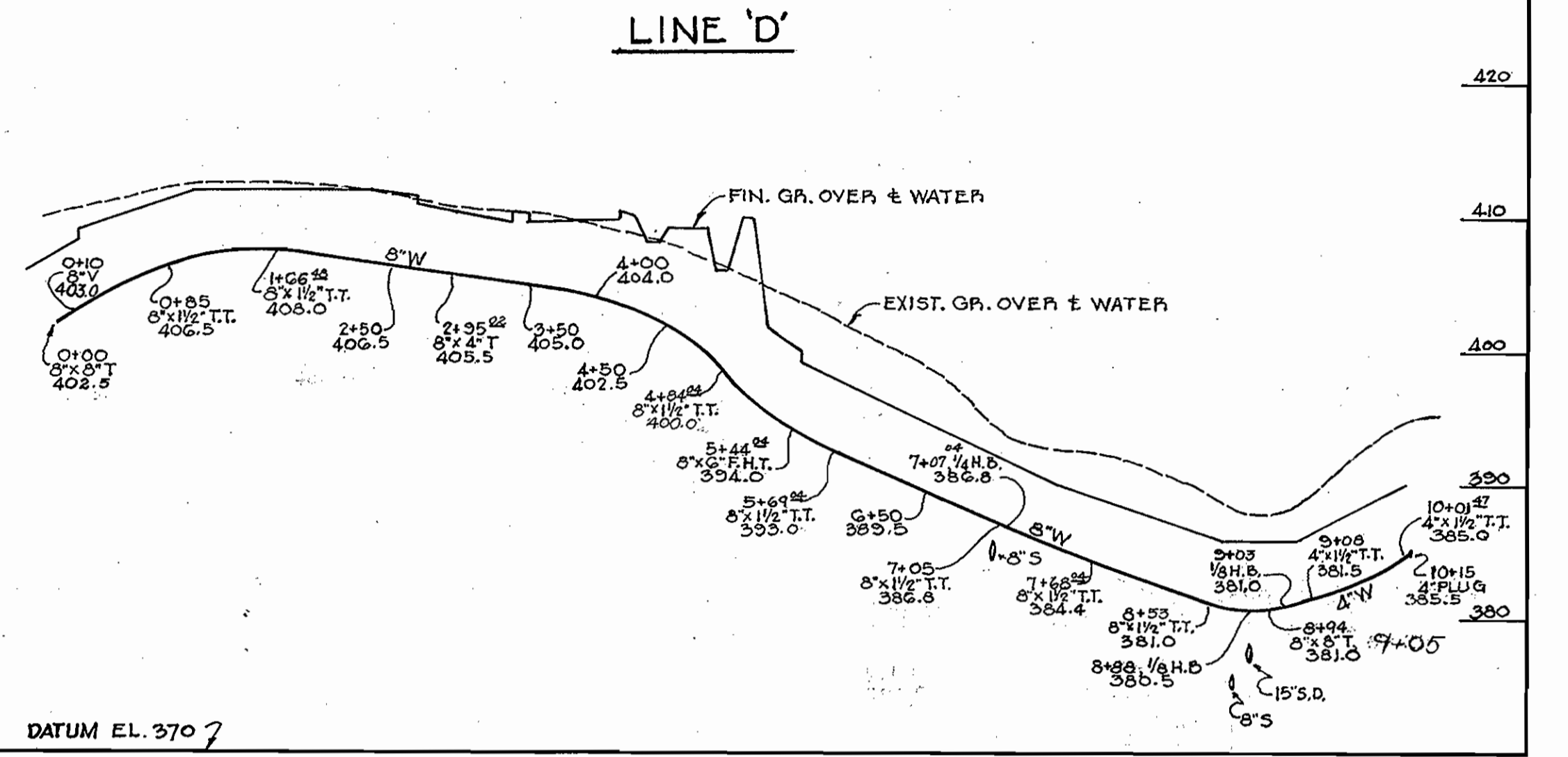
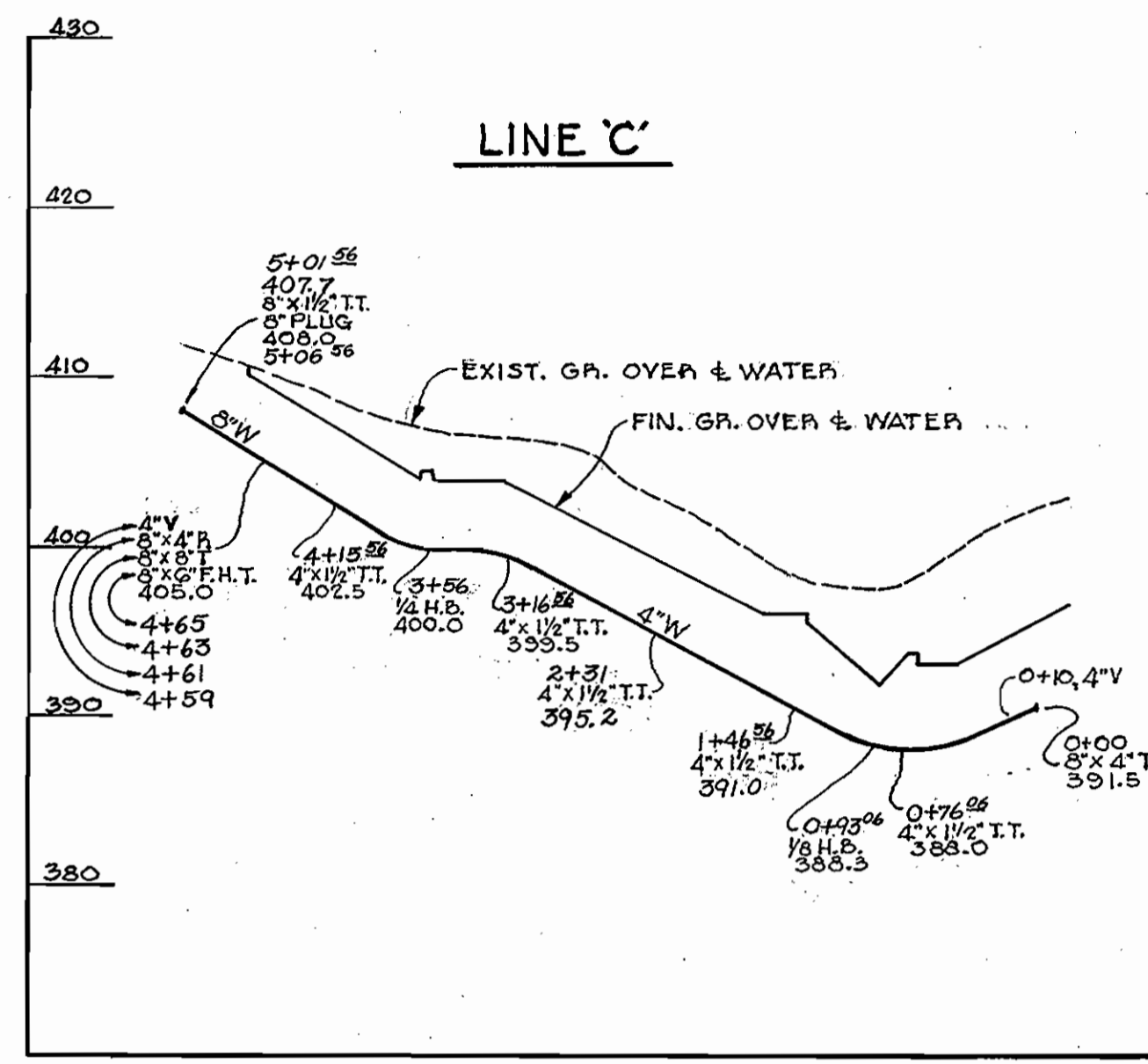
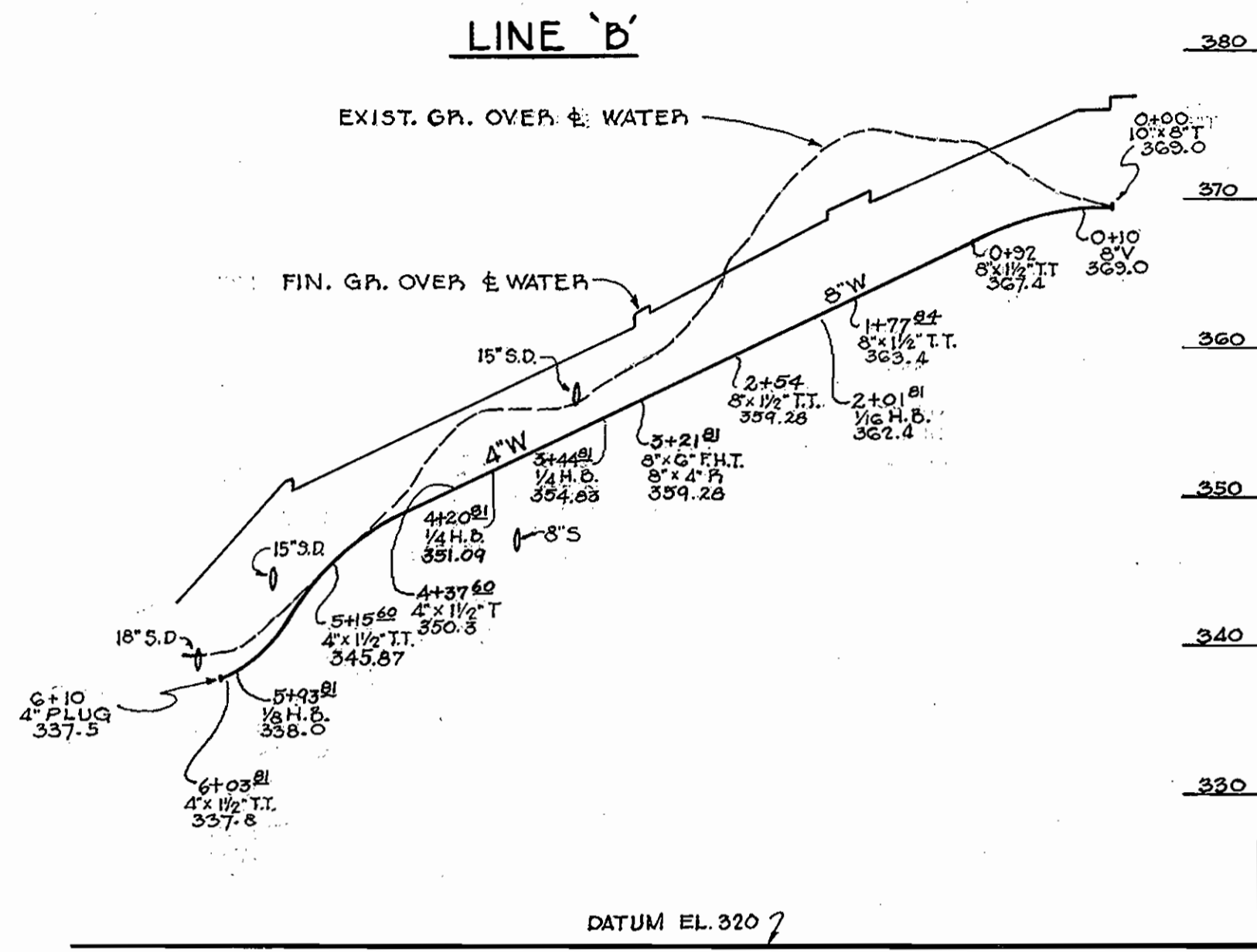
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DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 10-1-71 Chief-Bureau of Water and Sewer	CONTRACT NO. 439-D-W&S Chief: <i>W. J. Fullert</i>	SEWER MAIN PROFILES	COLUMBIA VILLAGE OF OAKLAND MILLS ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 3	SCALE AS SHOWN
				OF 4	

As-BUILT - APRIL 20, 1972

WS 439 W&S/3



PROFILES
SCALE 1" = 10' VERT.
1" = 100' HORIZ.



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DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-1-71
DATE

CONTRACT NO. 439-D-W&S

WATER MAIN PROFILES

COLUMBIA VILLAGE OF OAKLAND MILLS
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 4 OF 4
SCALE AS SHOWN

AS-BUILT - APRIL 20, 1972

WS 439 W&S/4