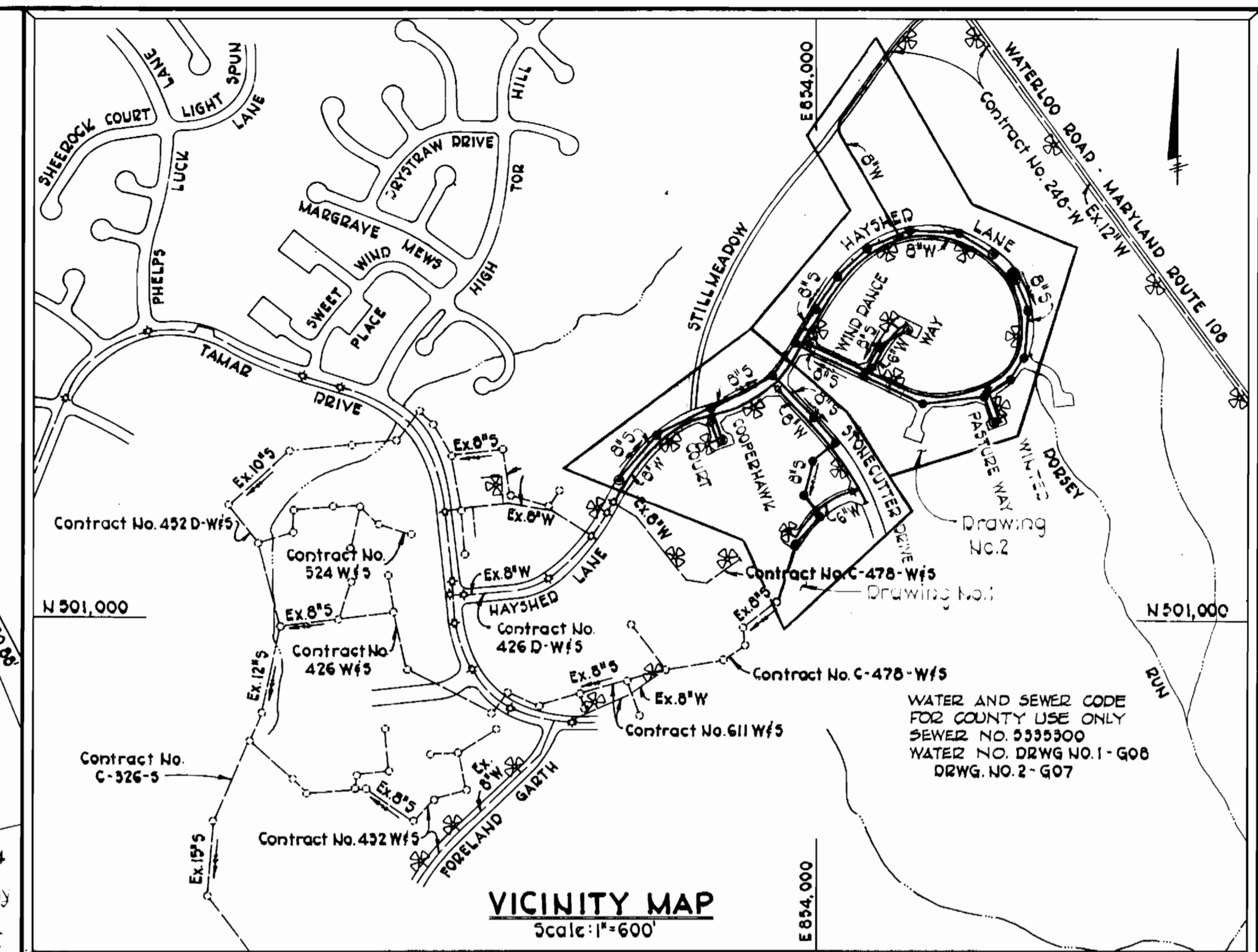


BENCH MARKS
 P&J B.M.#4 Elev. 464.74
 Northeast corner of G&E pad, 92' ± northwest of road sta. 11+25 Hayshed La.



VICINITY MAP
 Scale: 1"=600'

GENERAL NOTES

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- All pipe elevations shown hereon are invert elevations.
- The Contractor shall locate existing utilities well in advance of construction activities.
- See standard details bound in specifications.
- Clear all utilities by a minimum of 6 inches vertically. Clear all utility poles by 2'0" minimum or tunnel as required. Any costs incurred to the Contractor for tunneling or bracing poles shall be included in the unit prices bid for excavation.
- The Contractor shall provide a pipe joint in all sewer mains within 2'-0" of exterior manhole walls.
- The sewer mains shall be V.C.P.X., C.S.P.X. or A.C.P. Class 2400, unless otherwise noted.
- All manholes shall be 4'-0" inside diameter, unless otherwise noted.
- Butress or anchor all water main fittings with concrete. All valves shall be strapped to tees in accordance with standard details.
- All water mains to have a minimum of 3.5' cover unless otherwise noted.
- All fire hydrants shall be strapped to the tee and shall be butressed with concrete in accordance with standard details. Cost of strapping fire hydrants and valves to be included in the unit price bid for furnishing and installing fire hydrants. Soil around the fire hydrant to be compacted in accordance with Section 5-15 of the Standard Specifications.
- Bury line elevations on fire hydrants shall be set to the elevations shown on the plans.
- All horizontal and vertical controls are based on Maryland State Grid System.
- Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:
 Baltimore Gas and Electric Company - 559-0100
 Miss Utility - 559-0100
- Denotes Test Borings by others

REV.	DATE	REMARKS
4-3-78	B.G.F.E.	Copies Added

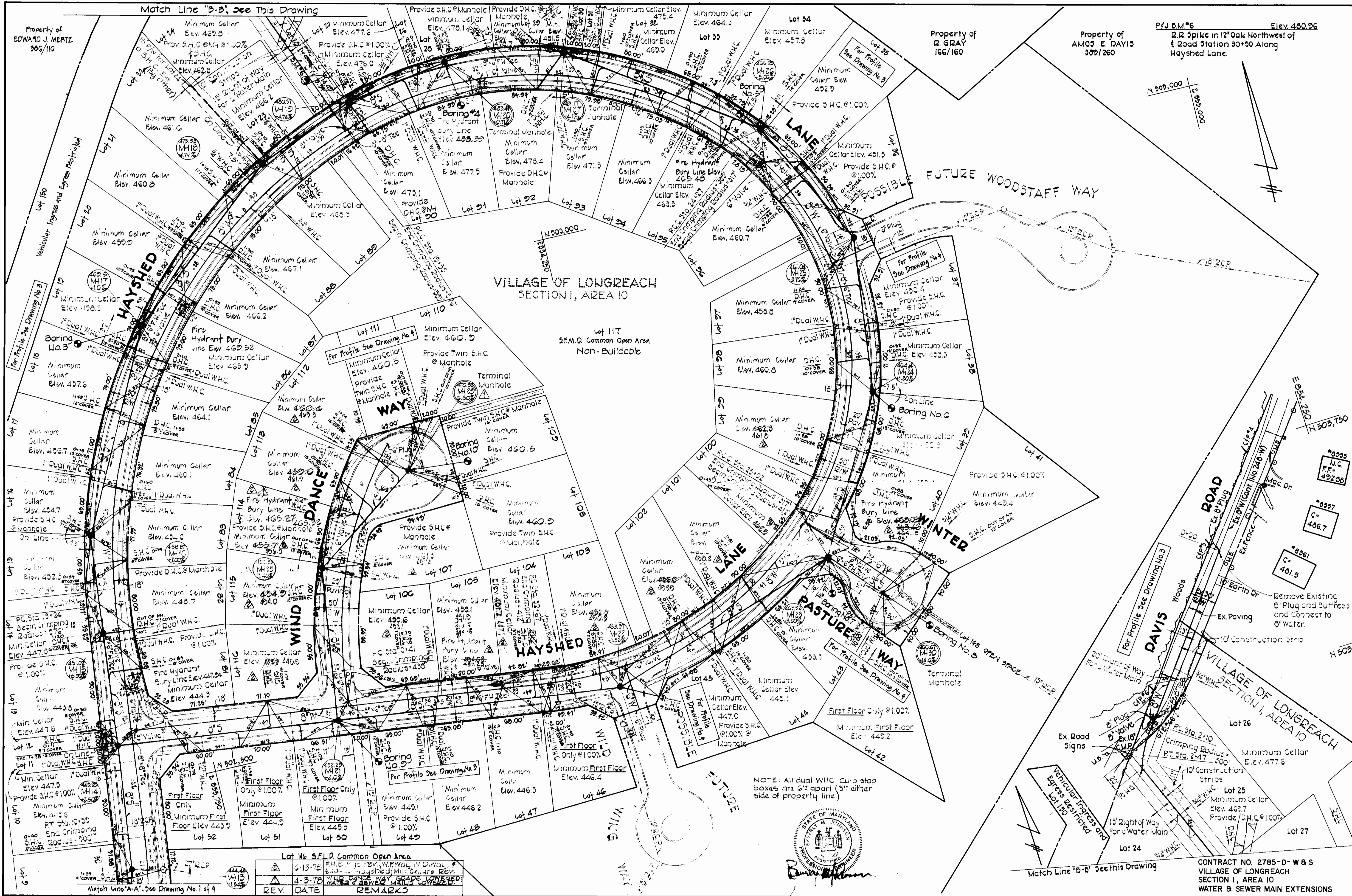
QUANTITIES			
ITEM	ESTIMATED	AS-BUILT	SUPPLIER
8" WATER	4,535 L.F.	4,891 L.F.	DIP-US PIPE
6" WATER	1,070 L.F.	1,199 L.F.	DIP-US PIPE
FIRE HYDRANTS	12 EA.	12 EA.	
8" SEWER	5,255 L.F.	5,233 L.F.	ACP-J.M.
6" SEWER	3,215 L.F.	3,007 L.F.	ACP-J.M.
MANHOLES	352 V.F.	331.11 V.F.	
1" W.H.C.	1,430 L.F.	1,396.5 L.F.	
3/4" W.H.C.	1,090 L.F.	1,259 L.F.	

NOTE: All dual 1" W.H.C. shown are 6" apart (3" either side of Property Line).
 W.H.C.'s for Lots 61, 62, 66 & 67 were extended 5' to property line and lots 68 & 69 extended 3' to property line, after shown triangulations were made.

PLAN
 Scale: 1"=50'



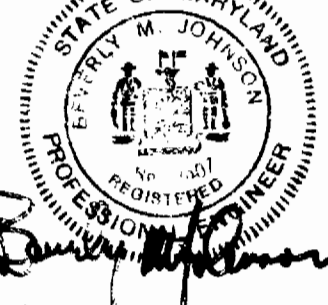
PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 3-2-78 DATE: CHIEF-BUREAU OF ENGINEERING	CONTRACT NO. 2785-D-W&S	PLAN FOR WATER & SEWER MAINS	VILLAGE OF LONGREACH SECTION 1, AREA 10 ELECTION DISTRICT NO. 6 HOWARD COUNTY MARYLAND	DRAWING NO. 1	SCALE 1"=50'	Des.: RDB/REP Drafted: ARZ Checked: TAF
					OF 5		CONTRACT NO. 2785-D-W&S VILLAGE OF LONGREACH SECTION 1, AREA 10 WATER & SEWER MAIN EXTENSIONS



VILLAGE OF LONGREACH
SECTION I, AREA 10

Lot 117
S.F.M.D. Common Open Area
Non-Buildable

NOTE: All dual W.H.C. curb stop boxes are 6' apart (3' either side of property line.)



REV.	DATE	REMARKS
1	6-13-78	S.H.C. @ 1.00% WIND DANCE WAY GRADE LOWERED
2	4-3-78	WIND DANCE WAY GRADE LOWERED

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

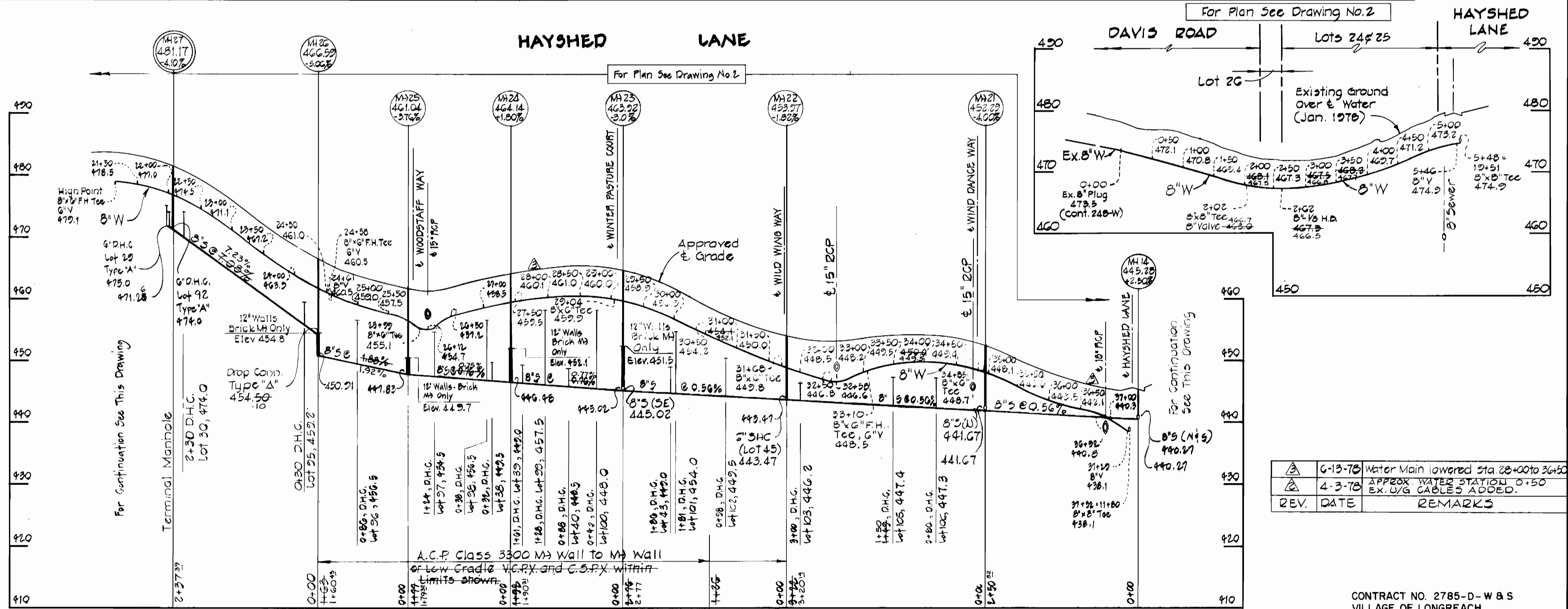
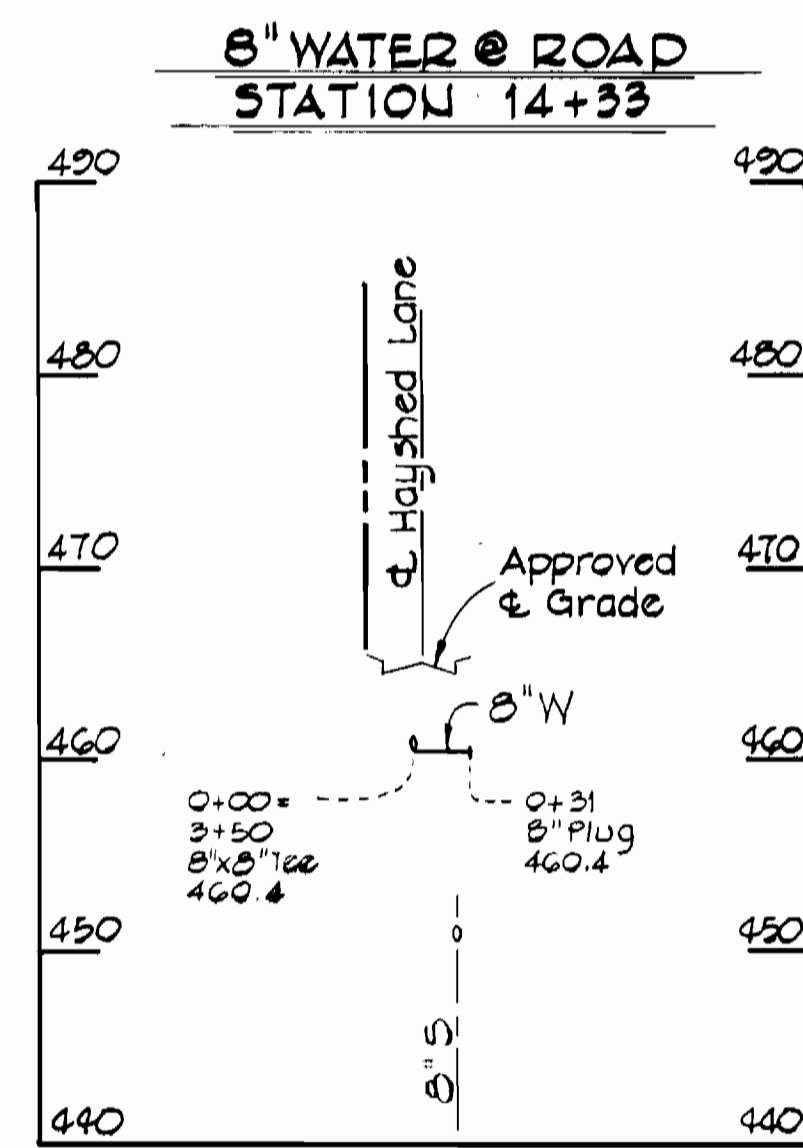
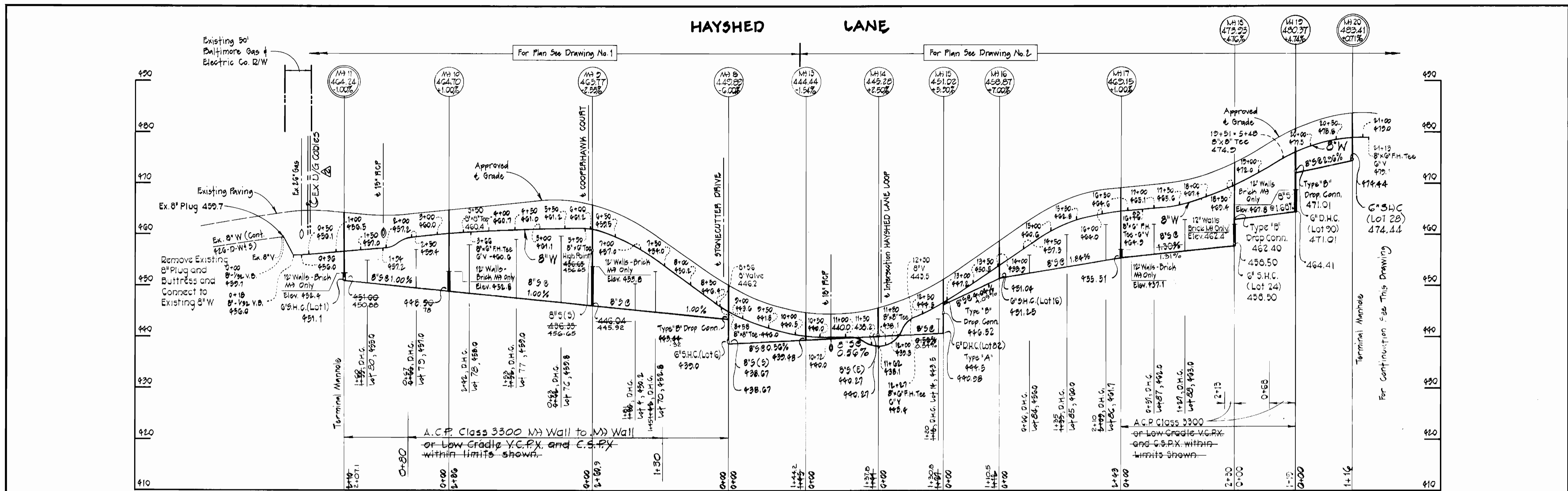
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
3-2-78
DIRECTOR OF PUBLIC WORKS DATE

CONTRACT NO. 2785-D-W&S

PLAN FOR
WATER & SEWER MAINS

VILLAGE OF LONGREACH
SECTION I, AREA 10
ELECTION DISTRICT NO. 6
HOWARD COUNTY MARYLAND

DRAWING	SCALE	Des. RDB/REP
NO. 2	1"=50'	Drafted: REC
OF 5		Checked: TAF



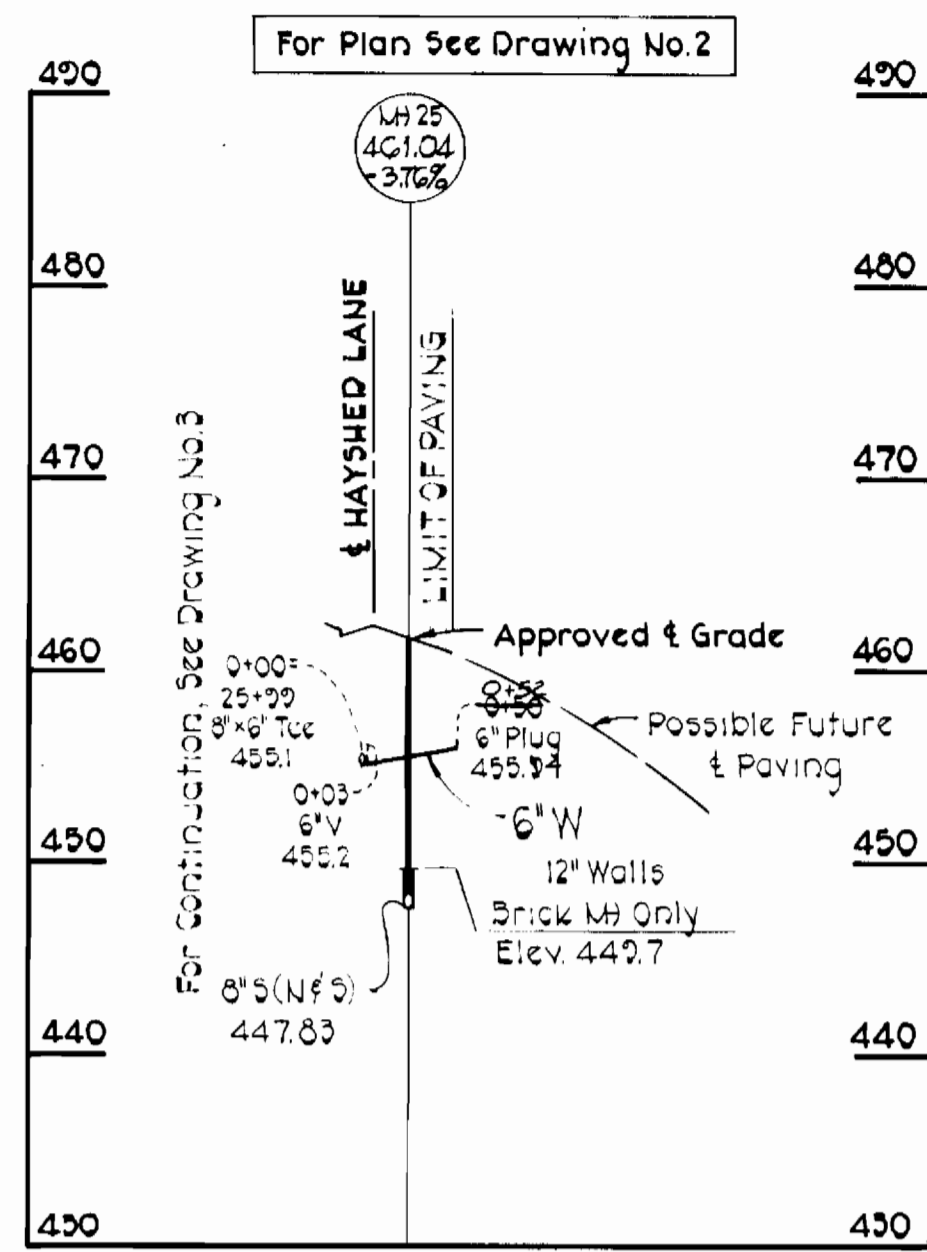
Becky M. Jochims
 BEVERLY M. JOCHIMS
 PROFESSIONAL ENGINEER
 No. 10177

REV.	DATE	REMARKS
1	6-13-78	Water Main lowered Sta. 28+00 to 30+50
2	4-3-78	APPROX WATER STATION 0+50 EX. U/G CABLES ADDED.

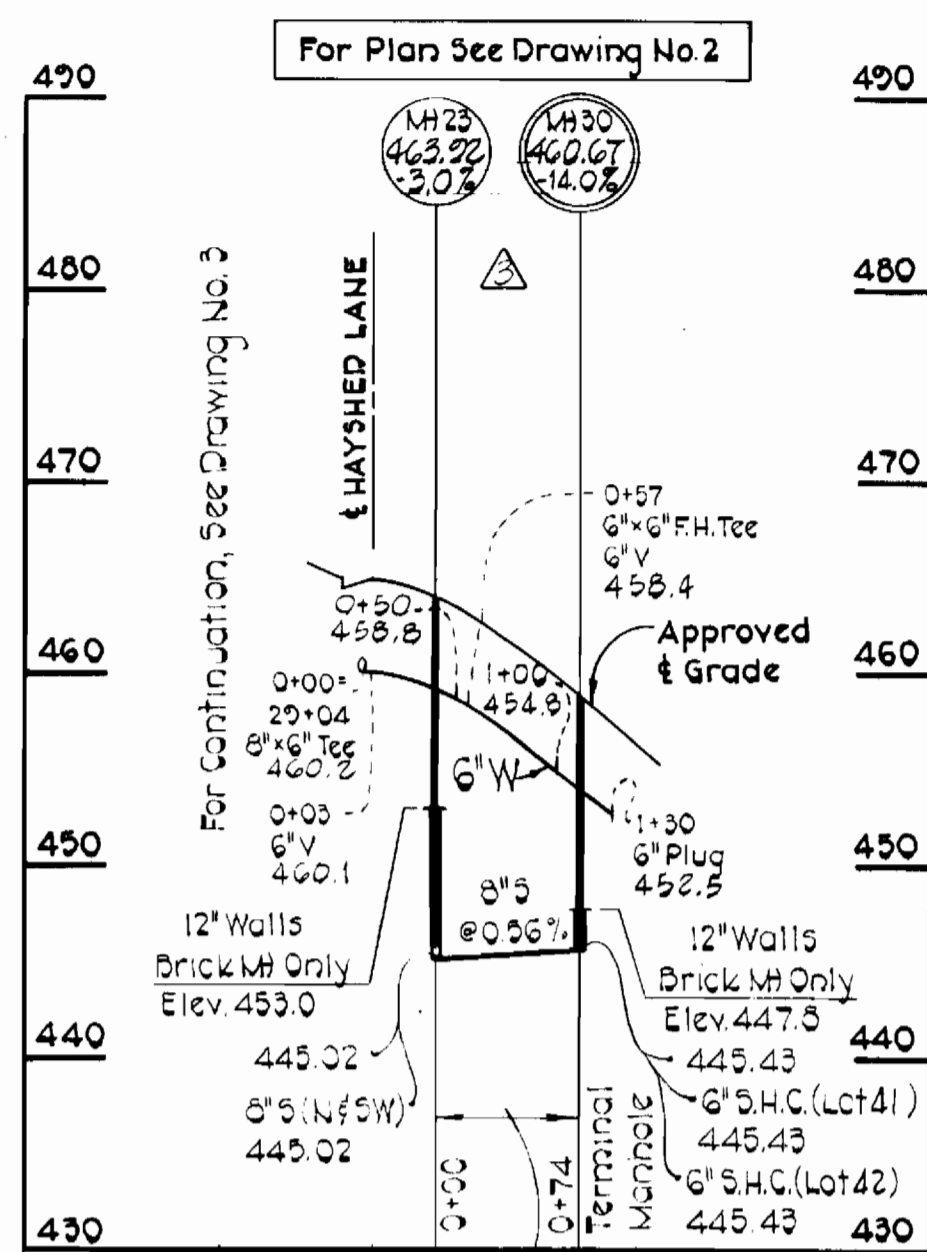
CONTRACT NO. 2785-D-W & S
 VILLAGE OF LONGREACH
 SECTION I, AREA 10
 WATER & SEWER MAIN EXTENSIONS

PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>D. J. Reed</i> DIRECTOR OF PUBLIC WORKS	CONTRACT NO. 2785-D-W&S	PROFILES FOR WATER & SEWER MAINS	VILLAGE OF LONGREACH SECTION I, AREA 10 ELECTION DISTRICT NO. 6 HOWARD COUNTY, MARYLAND	DRAWING NO. 3	SCALE Horiz. 1"=100' Vert. 1"=10'	Des.: RDB/REP Drafted: REC Checked: TAF
					DATE: 3-2-78	DATE: 3-2-78	NO. 5

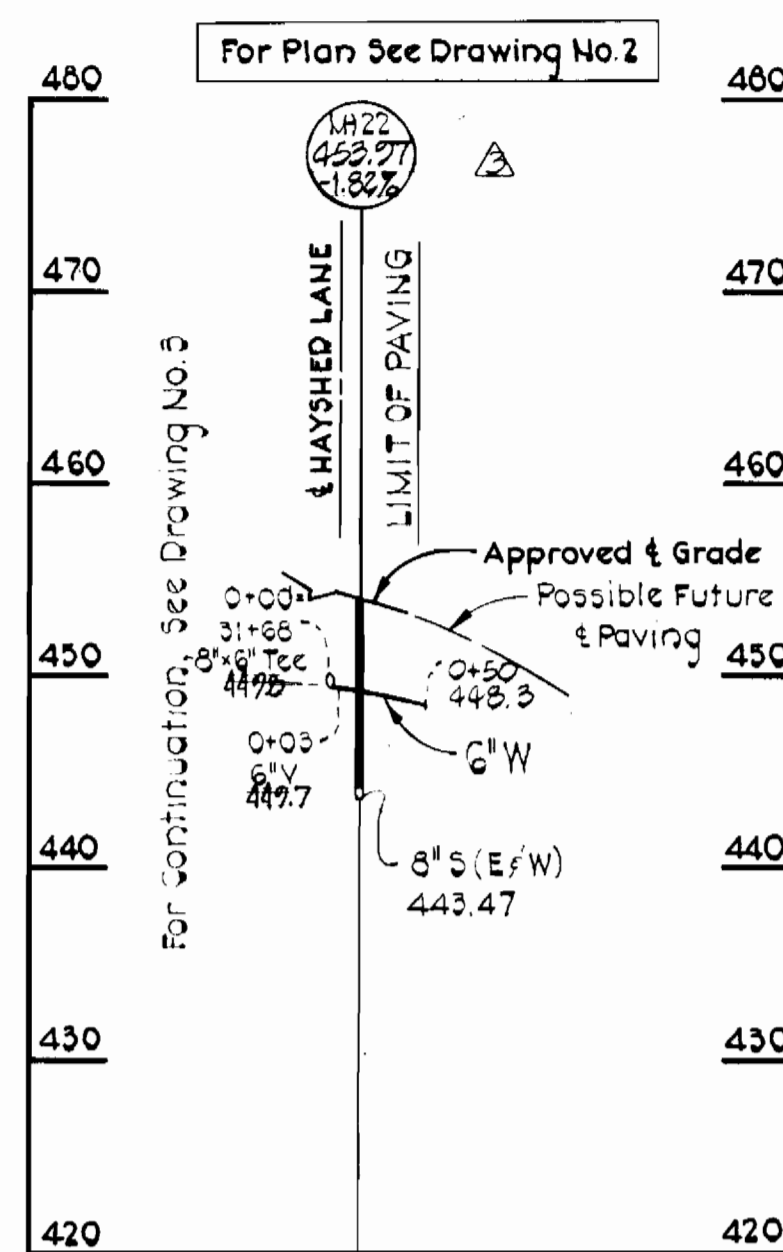
WOOD STAFF WAY



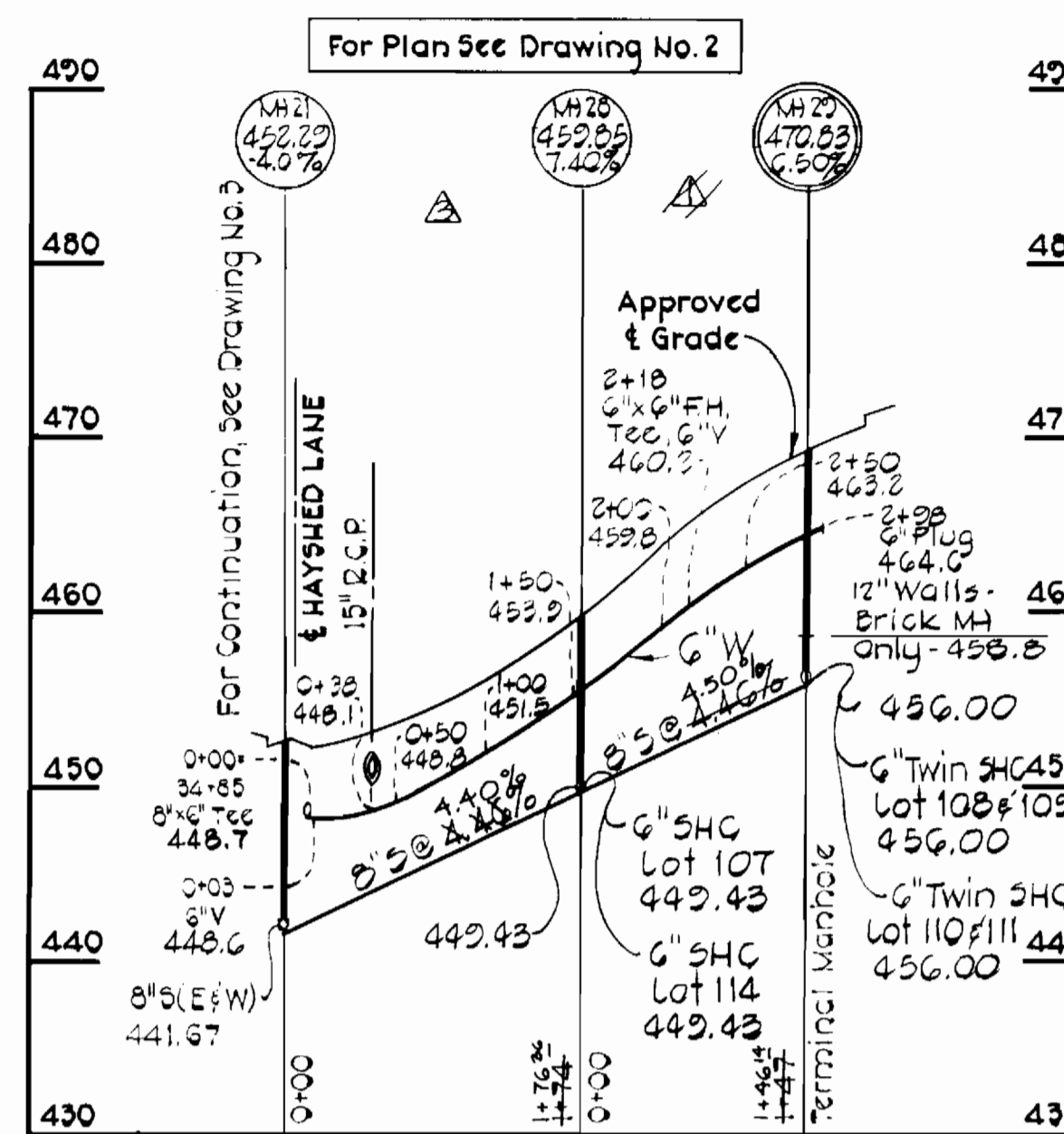
WINTER PASTURE WAY



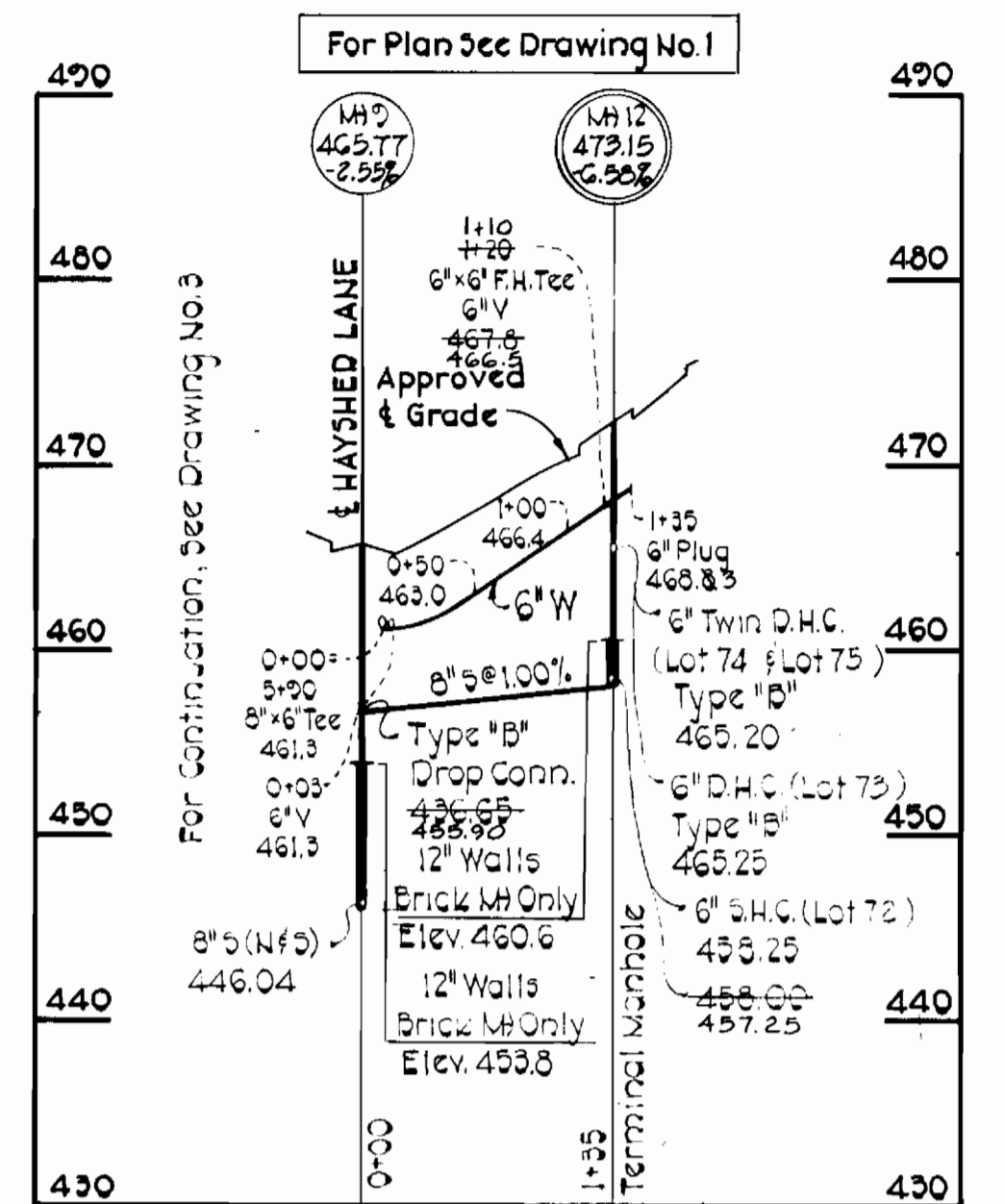
WILD WING WAY



WIND DANCE WAY

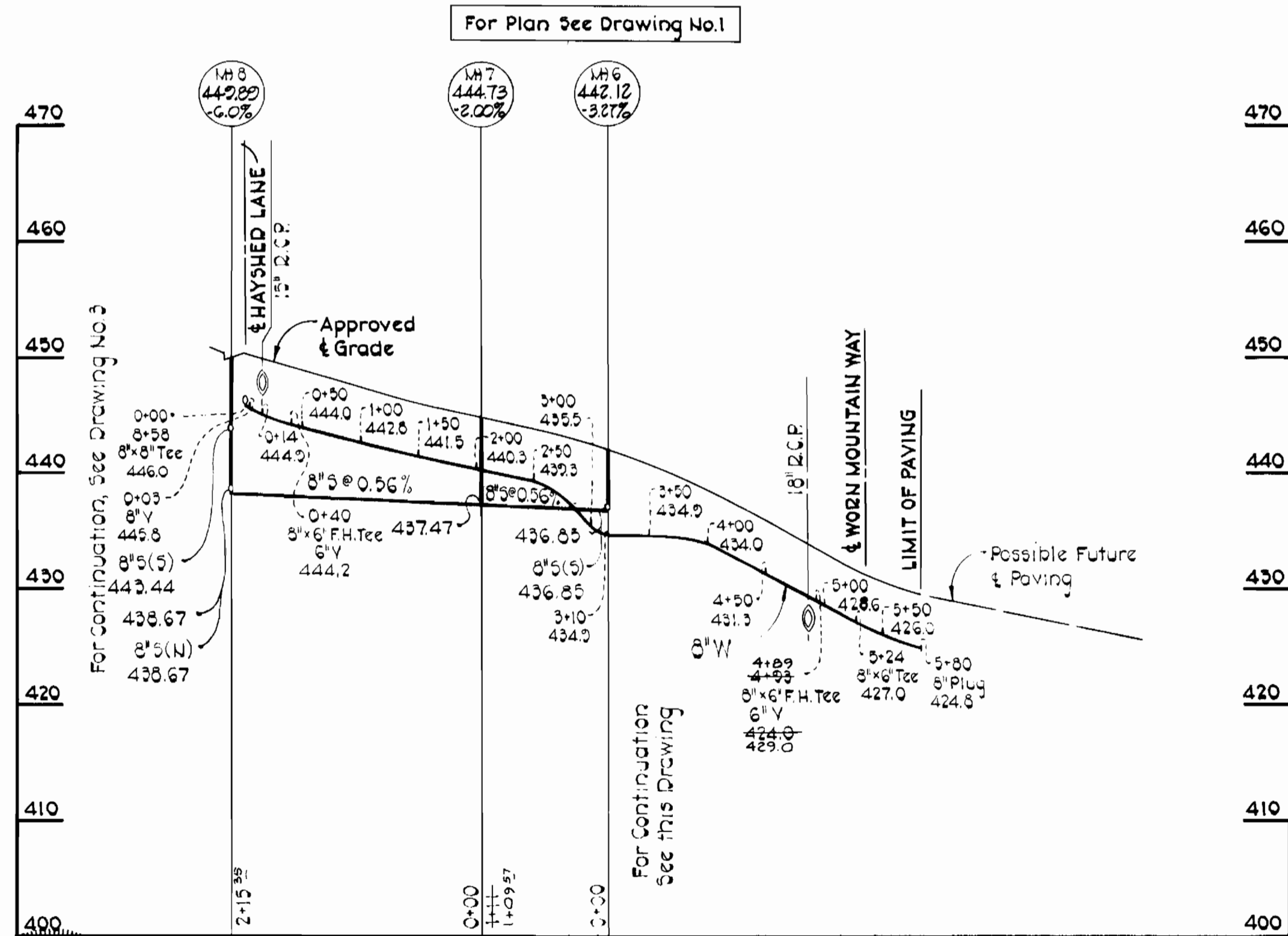


COOPERHAWK COURT

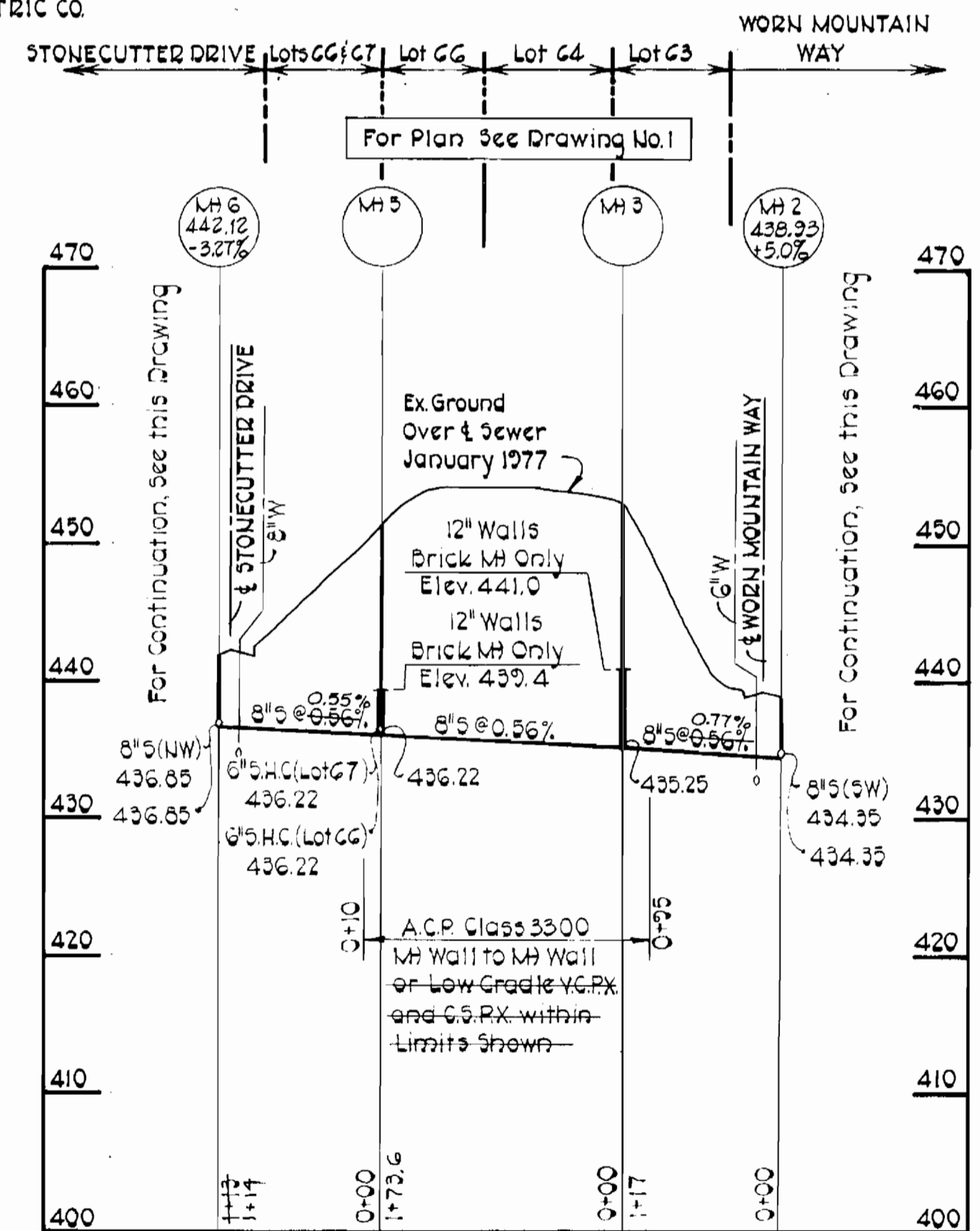
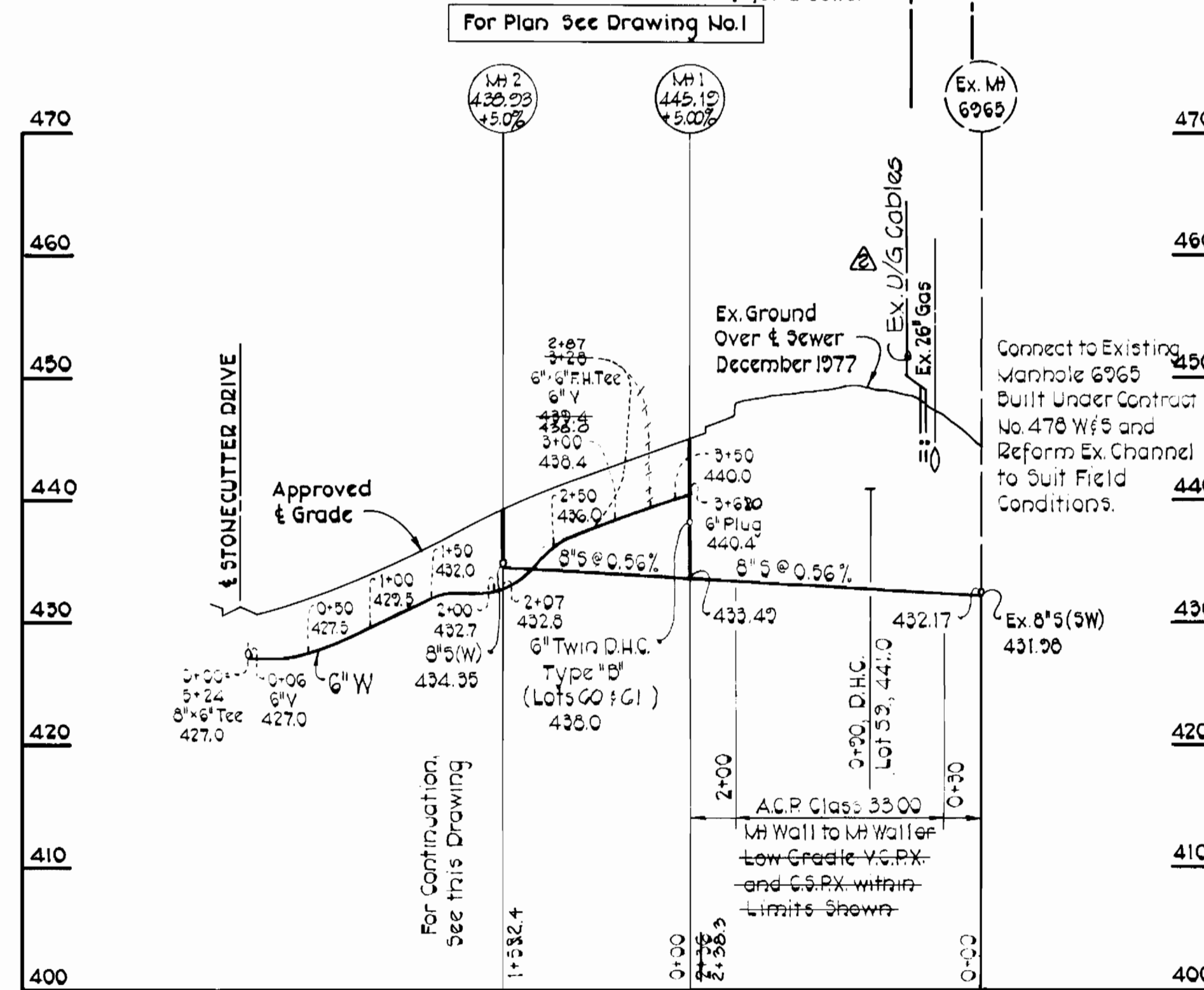


A.C.P. Class 3300 or Low Grade V.G.P.X. and C.S.P.X. MH Wall to MH Wall.

STONECUTTER DRIVE



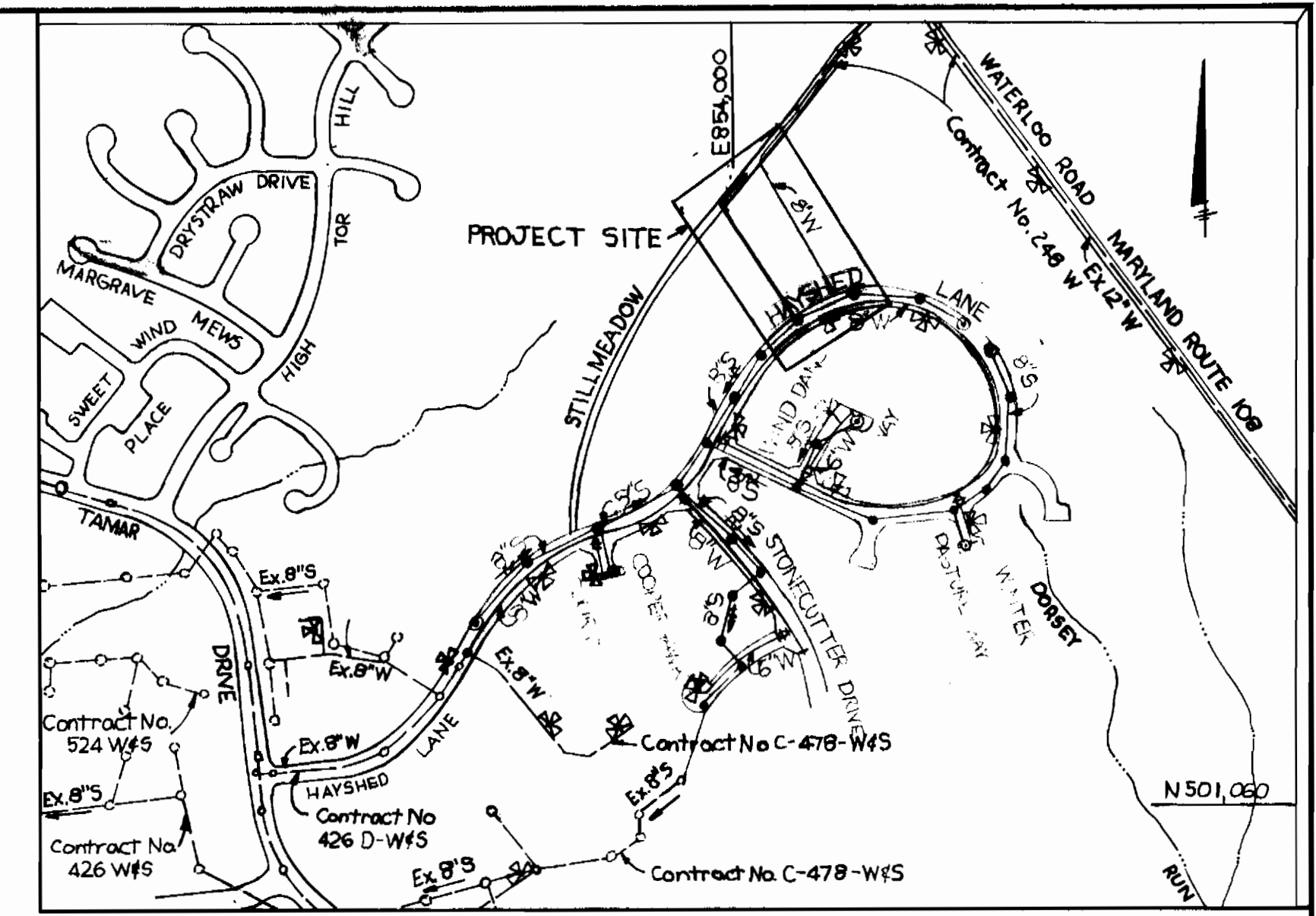
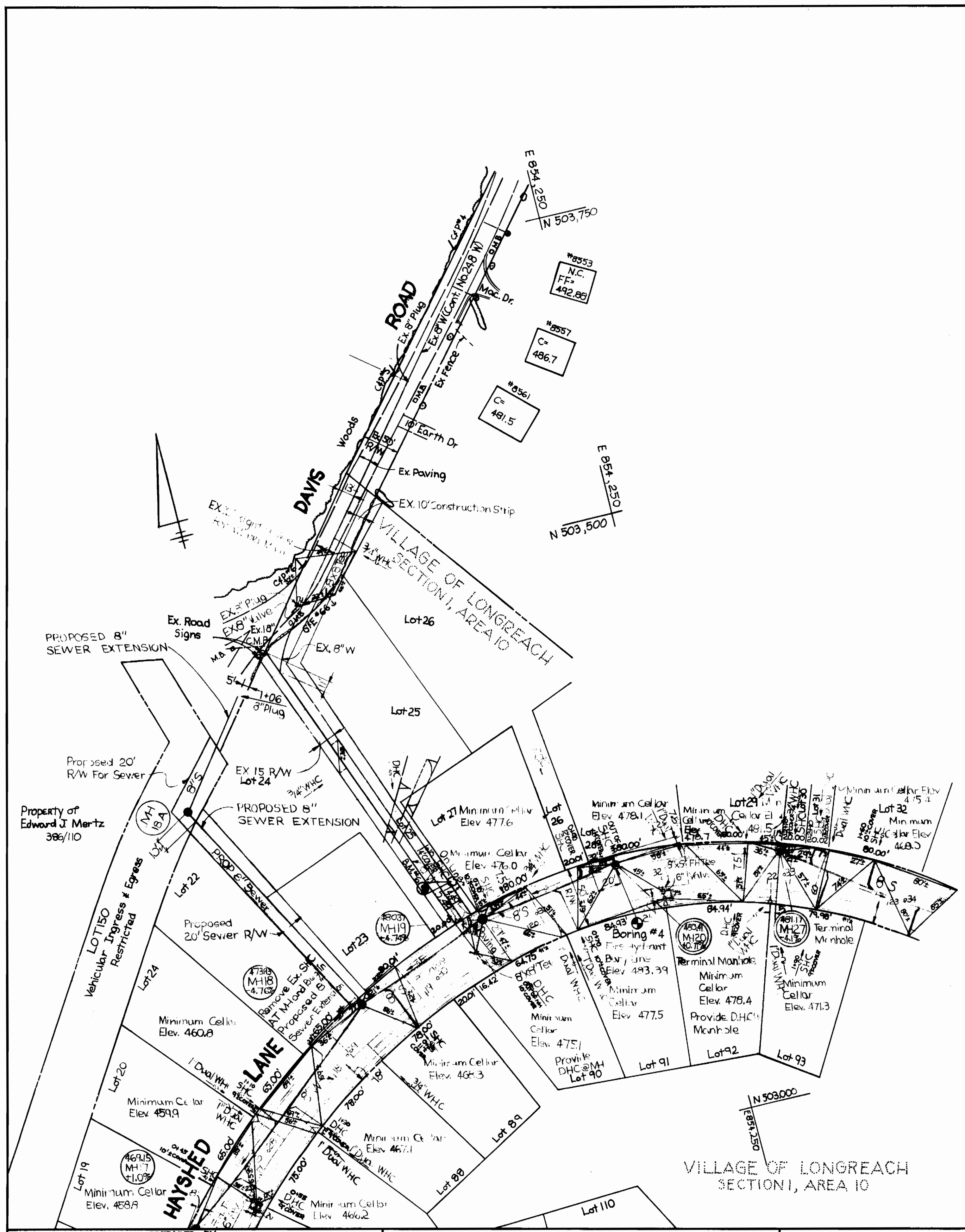
WORN MOUNTAIN WAY



REV.	DATE	REMARKS
1	6-13-78	W.F.Way, W.W.Way, W.D.Way grades lowered
2	4-3-78	D/G Cables Added - Worn Mt. Way
3	4-3-78	WILD DANCE WAY GRADE LOWERED WATER & SEWER LOWERED

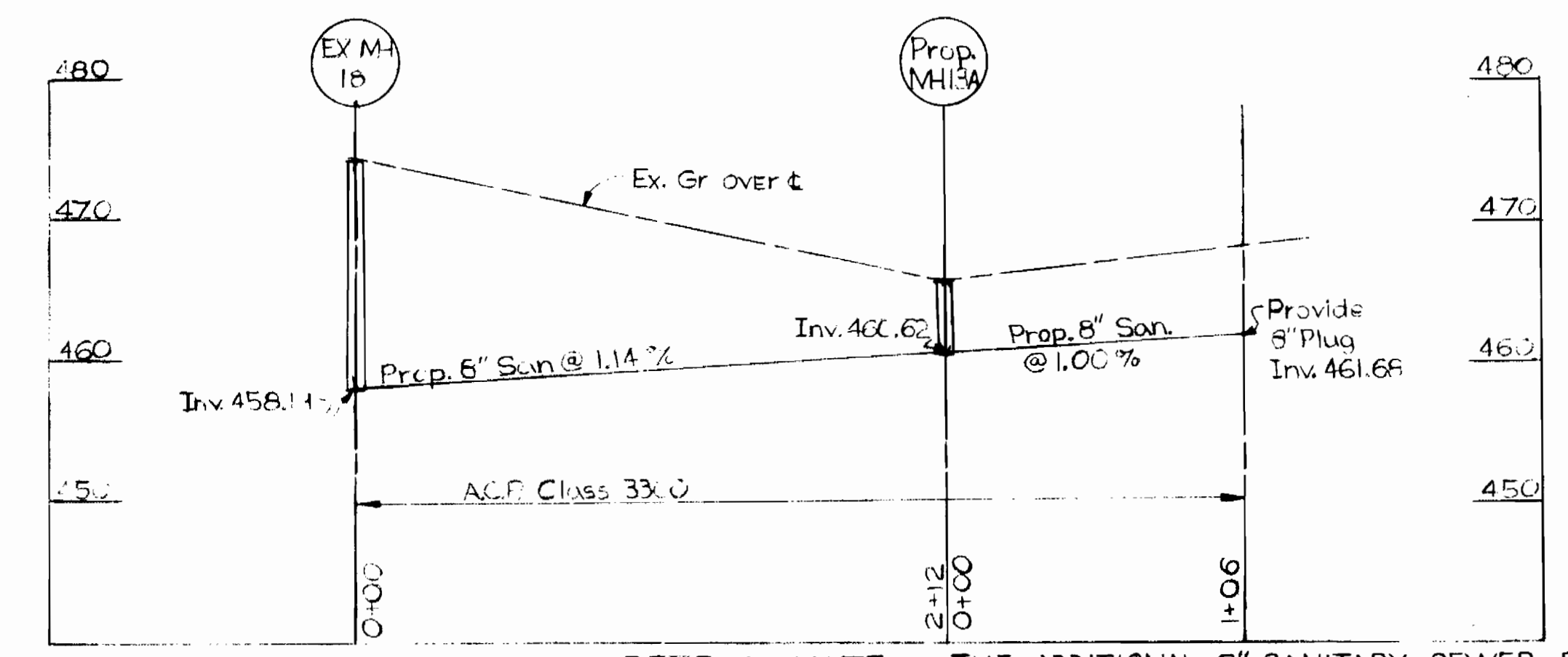
CONTRACT NO. 2785-D-W & S
VILLAGE OF LONGREACH
SECTION I, AREA IO
WATER & SEWER MAIN EXTENSIONS

PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 3-2-78 DATE: 3-2-78 CHIEF BUREAU OF ENGINEERING	CONTRACT NO. 2785-D-W & S	PROFILES FOR WATER & SEWER MAINS	VILLAGE OF LONGREACH SECTION I, AREA IO ELECTION DISTRICT NO. 6 HOWARD COUNTY, MARYLAND	DRAWING NO. 4	Des: RDB/REP Drafted: ARZ Checked: TAF
					OF 5	



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 Miss Utilities 559-0100
15. (Symbol) Denotes Test Borings by others.



SPECIAL NOTE: THE ADDITIONAL 8" SANITARY SEWER FROM M-18 TO M-18A AND TO 8" PLUG AT +106 IS HERE BY MADE A PART OF THIS CONTRACT. CONSTRUCTION WAS FUNDED UNDER CAPITAL PROJECT NO S-7-6090.

PREPARED BY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING CONSTRUCTION INSPECTION AND SURVEY DIVISION	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DIRECTOR OF PUBLIC WORKS DATE CHIEF BUREAU OF ENGINEERING DATE	ADDITION TO CONTRACT NO. 4785 D-W45 FUNDED UNDER CAP PROJECT NO. S-7-6090	SEWER AND EXTENSION PLAN AND PROFILE	A PORTION OF JONESTOWN SANITARY SEWER OUTFALL & COLLECTOR ELECTION DISTRICT NO. 6 HOWARD COUNTY, MARYLAND	DRAWING NO. 5 OF 5	SCALE AS SHOWN
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