

BENCH MARKS

B.M.#1	ELEV. 332.92
X-CUT - BONNET BOLT ON FIRE HYDRANT @ NW CORNER YELLOW BIRD COURT & DOVES FLY WAY SEE VICINITY MAP	
B.M.#2	ELEV. 340.91
2" SPIKE IN 24" TREE, 50' LT OF STA. 3+26 = DOVES FLY WAY	
B.M.#3	ELEV. 337.87
2" SPIKE IN 24" TREE, 110' = RT OF STA. 3+70 = HUMMINGBIRD COURT	
B.M.#4	ELEV. 332.71
2" SPIKE IN 12" TREE, 100' = RT OF STA. 3+50 = CARDINAL FOREST CIRCLE	

SEWER HOUSE CONNECTIONS INVERT ELEVATIONS AT PROPERTY LINE

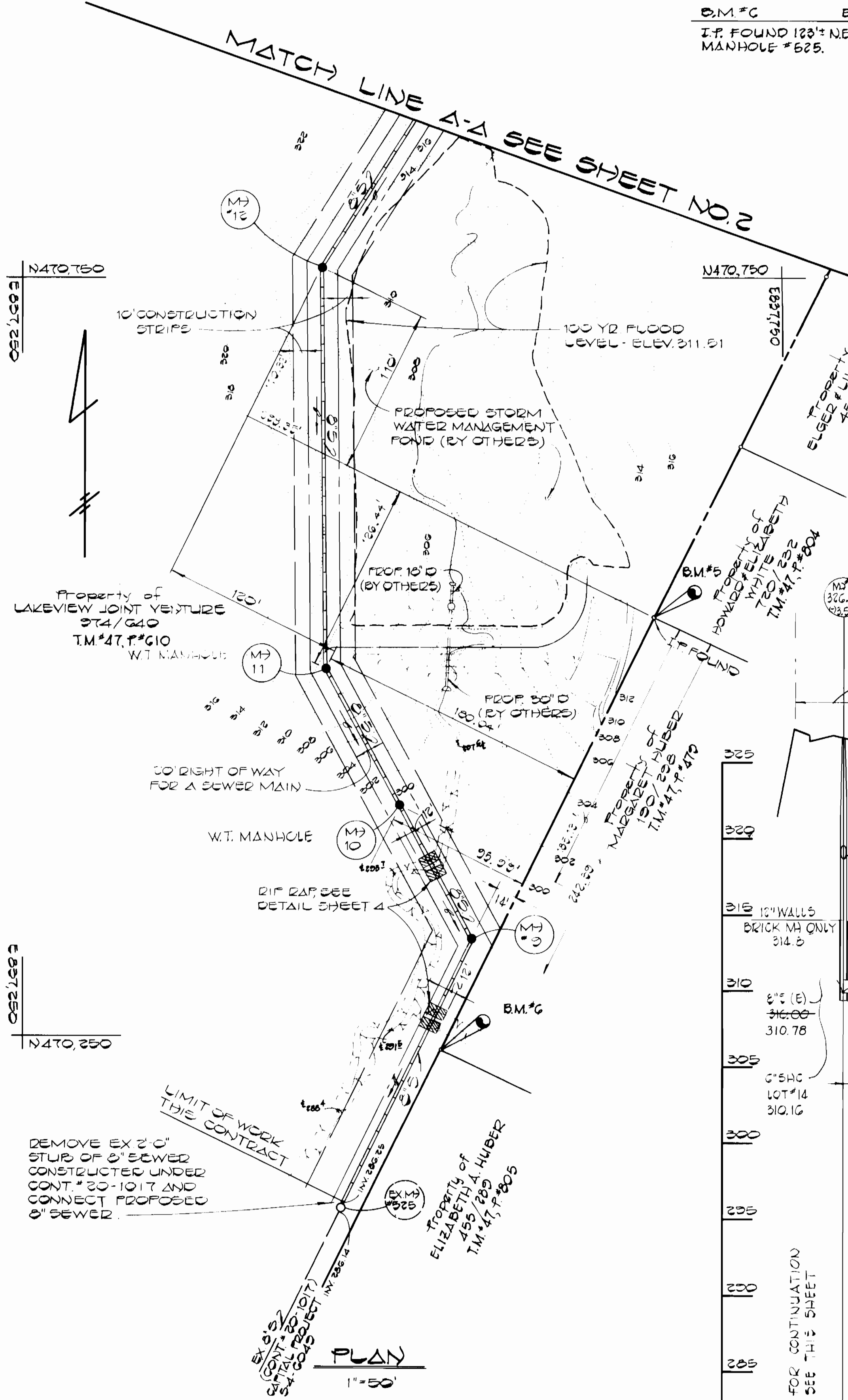
STATION	LOT	INVERT
M+23 TO M+24		
M+23 LT	LOT 5 (1%)	340.67
0+34 RT	LOT 4	331.98
1+74 LT	LOT 3	330.40
2+15 RT	LOT 2	330.08
3+55 LT	LOT 1	330.74
M+24 LT	LOT 1	332.30
M+24 RT	LOT 27	331.60
M+19 TO M+23		
M+19	LOT 23	330.64
0+69 RT	LOT 24	341.44
1+00 LT	LOT 23	342.10
1+72 RT	LOT 23	344.06
1+69 LT	LOT 19	344.14
M+23	LOTS 5+6	346.97
M+19 TO M+20		
M+19	LOT 23	330.64
0+78 RT	LOT 23 (1%)	330.08
1+30 RT	LOT 24 (1%)	330.77
M+20	LOT 23	330.13
M+20 TO M+21		
M+20	LOT 23	330.13
0+42 LT	LOT 22	343.28
M+21	LOT 22	343.48
M+21 TO M+22		
M+21	LOT 20	342.48
0+58 LT	LOT 21	332.34
0+80 RT	LOT 27 (1%)	333.08
M+22 LT	LOTS 20+20	337.40
M+22 RT	LOT 28	332.02
M+18 TO M+19		
0+78 LT	LOT 21	332.51
0+83 RT	LOT 22	332.80
M+19	LOT 22	332.64
M+16 TO M+17		
M+16 LT	LOT 10	340.97
0+30 LT	LOT 9	342.22
M+17 LT	LOTS 7+8	345.55
M+15 TO M+16		
0+54 LT	LOT 13	324.72
1+03 RT	LOT 17	323.12
1+24 LT	LOT 11	323.14
1+32 RT	LOT 16	324.88
M+16 LT	LOT 10	340.97
M+14 TO M+15		
M+14	LOT 14	310.80
0+55	LOT 15	313.77
M+13 TO M+14		
0+30	LOT 13	309.80
M+14	LOT 14	310.80
M+15 TO M+16		
1+25 LT	LOT 16	327.08

PLAN
1" = 50'

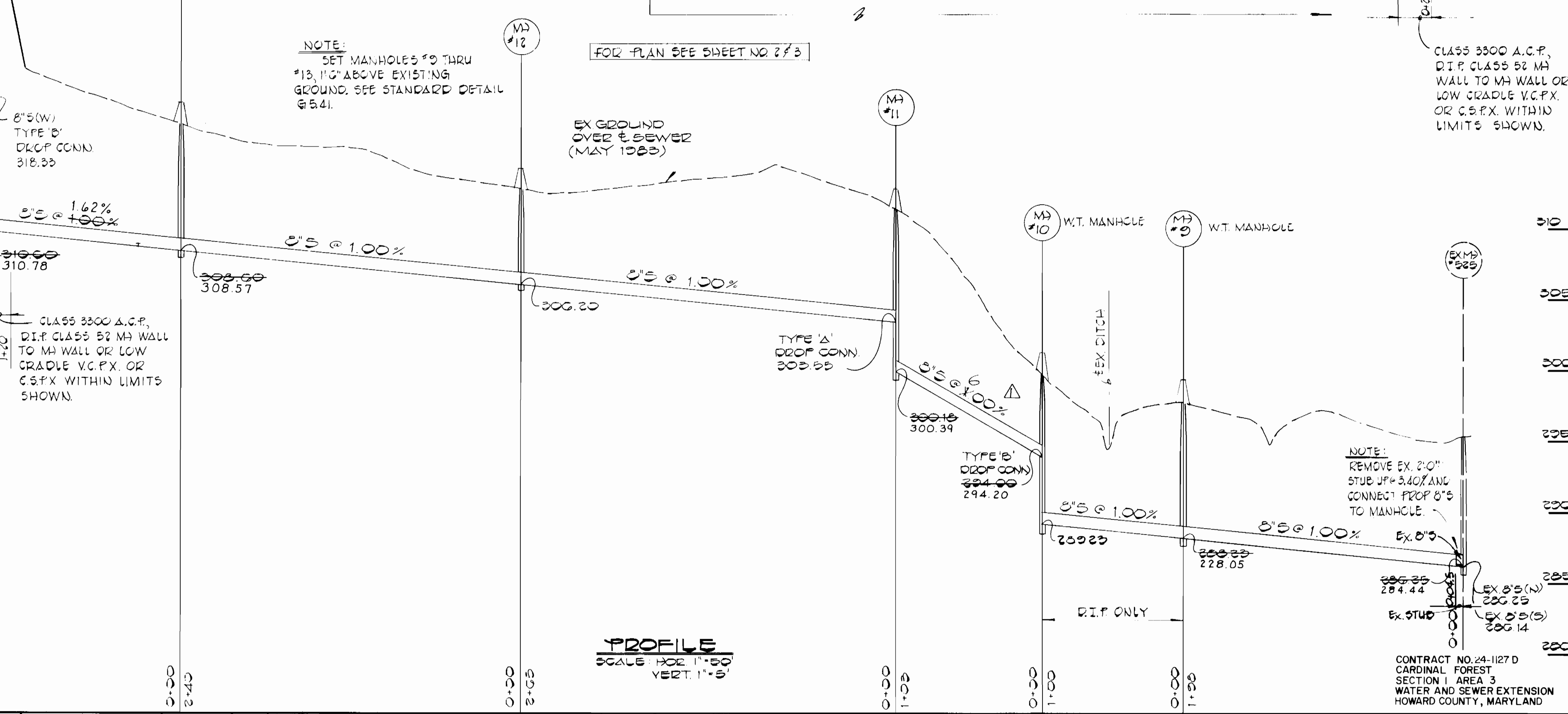
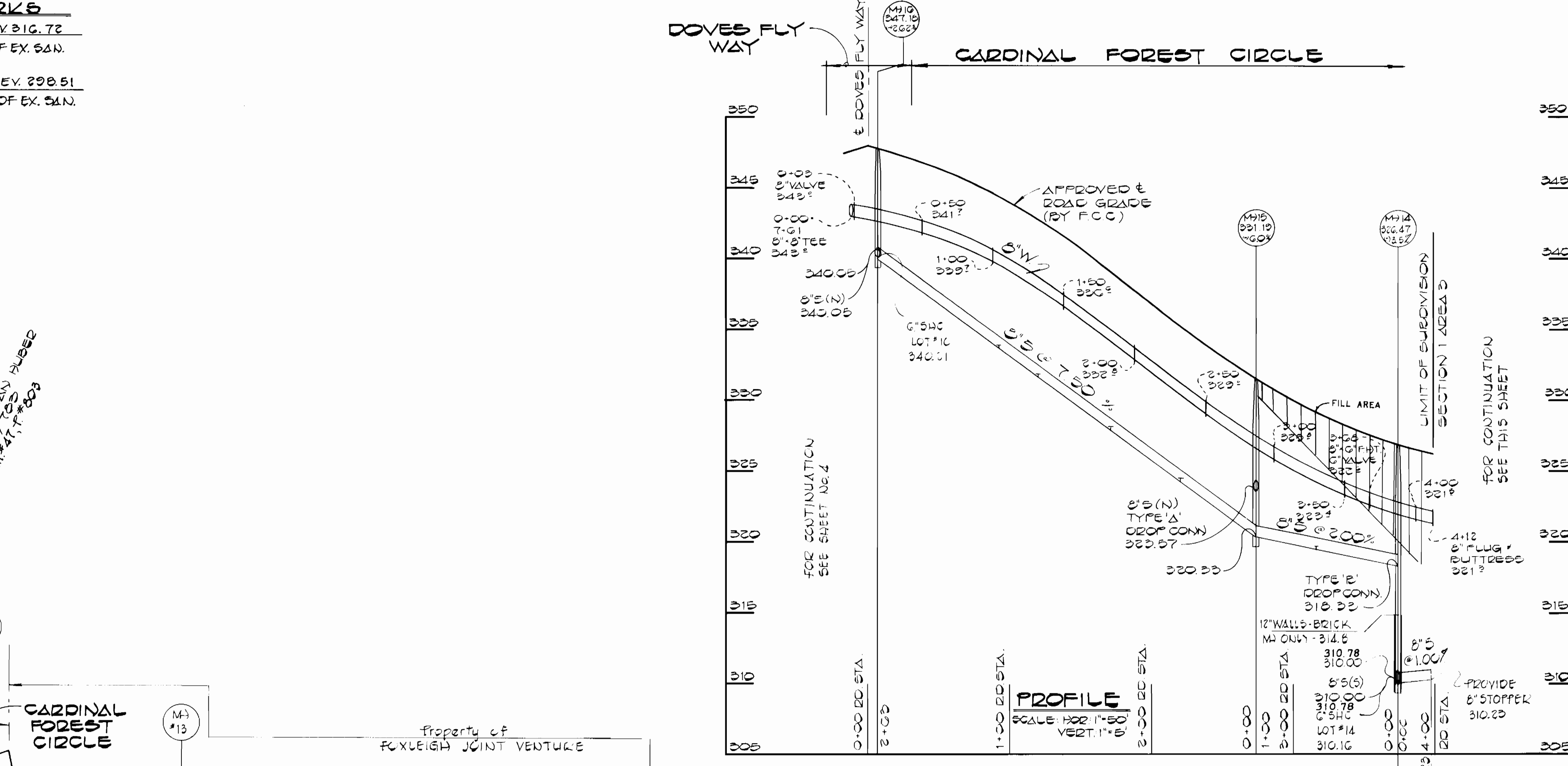
<p>DEPARTMENT OF PUBLIC WORKS</p> <p>James M. ... 11/3/83 DIRECTOR, OF PUBLIC WORKS DATE</p> <p>Ridgely ... 7/1/83 CHIEF, BUREAU OF UTILITIES DATE</p>	<p>FISHER, COLLINS AND CARTER, INC.</p> <p>CONSULTING ENGINEERS AND LAND SURVEYORS</p> <p>8388 COURT AVENUE ELLCOTT CITY, MARYLAND 21043 461-2855</p>		<p>DES. D.B.S.</p> <p>DRN. D.B.S.</p> <p>CHK. T.A.F.</p> <p>DATE</p>	<p>BY NO. REVISION DATE</p>	<p>PLAN</p> <p>WATER AND SEWER MAINS</p>	<p>CARDINAL FOREST SECTION 1 AREA 3</p> <p>CONTRACT NO. 24-1127D SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p>	<p>SCALE AS SHOWN</p> <p>SHEET 2 OF 4</p>
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AS-BUILT JULY 24, 1984

BENCH MARKS
 D.M.#B ELEV 316.72
 I.P. FOUND 442' NE. OF EX. SAN. MANHOLE #625.
 D.M.#C ELEV. 298.51
 I.P. FOUND 128' NE. OF EX. SAN. MANHOLE #625.



PLAN
 SCALE: 1"=50'



PROFILE
 SCALE: HORIZ. 1"=50' VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: [Signature] 7/13/83
 Chief, Bureau of Engineering: [Signature] 7/13/83
 Chief, Bureau of Utilities: [Signature] 7-1-83

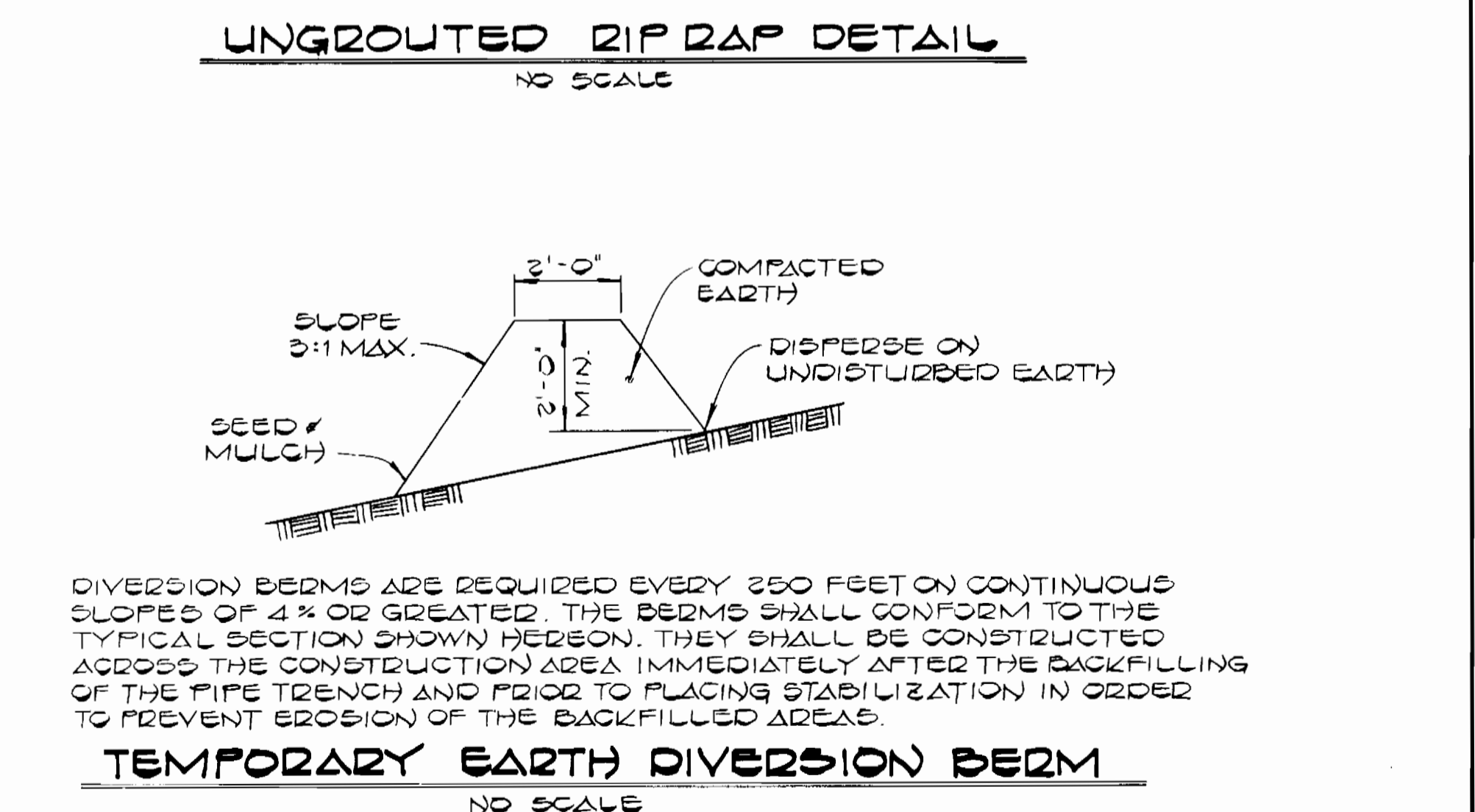
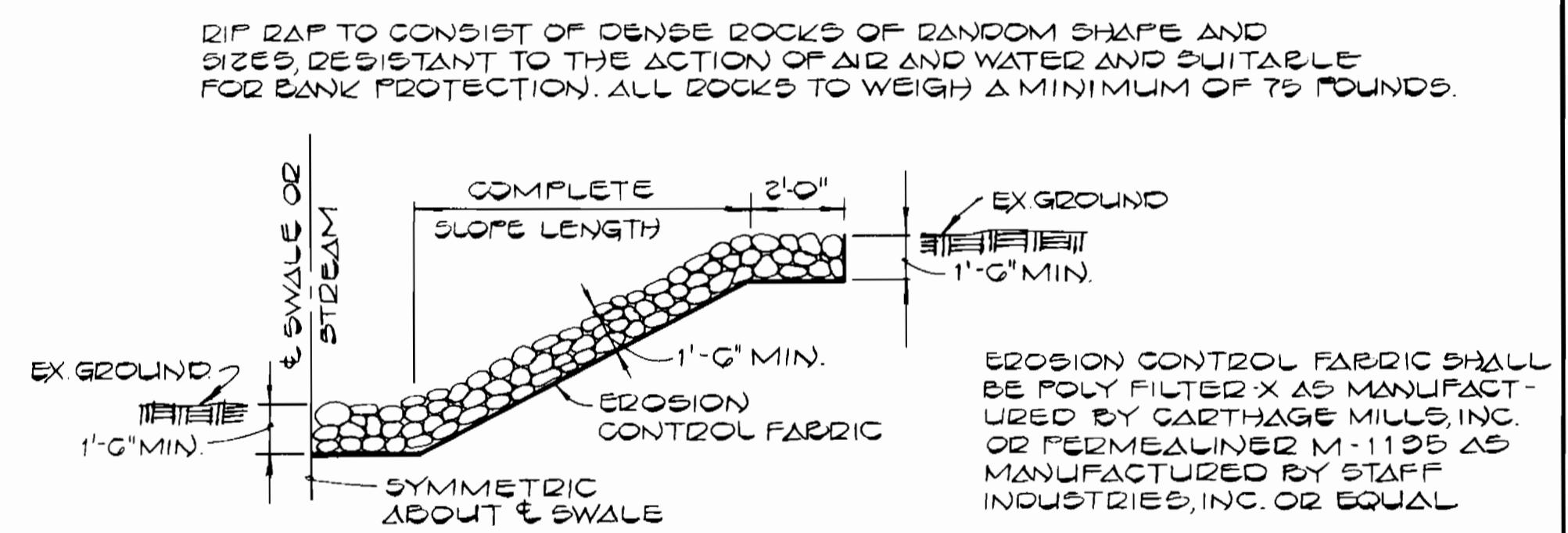
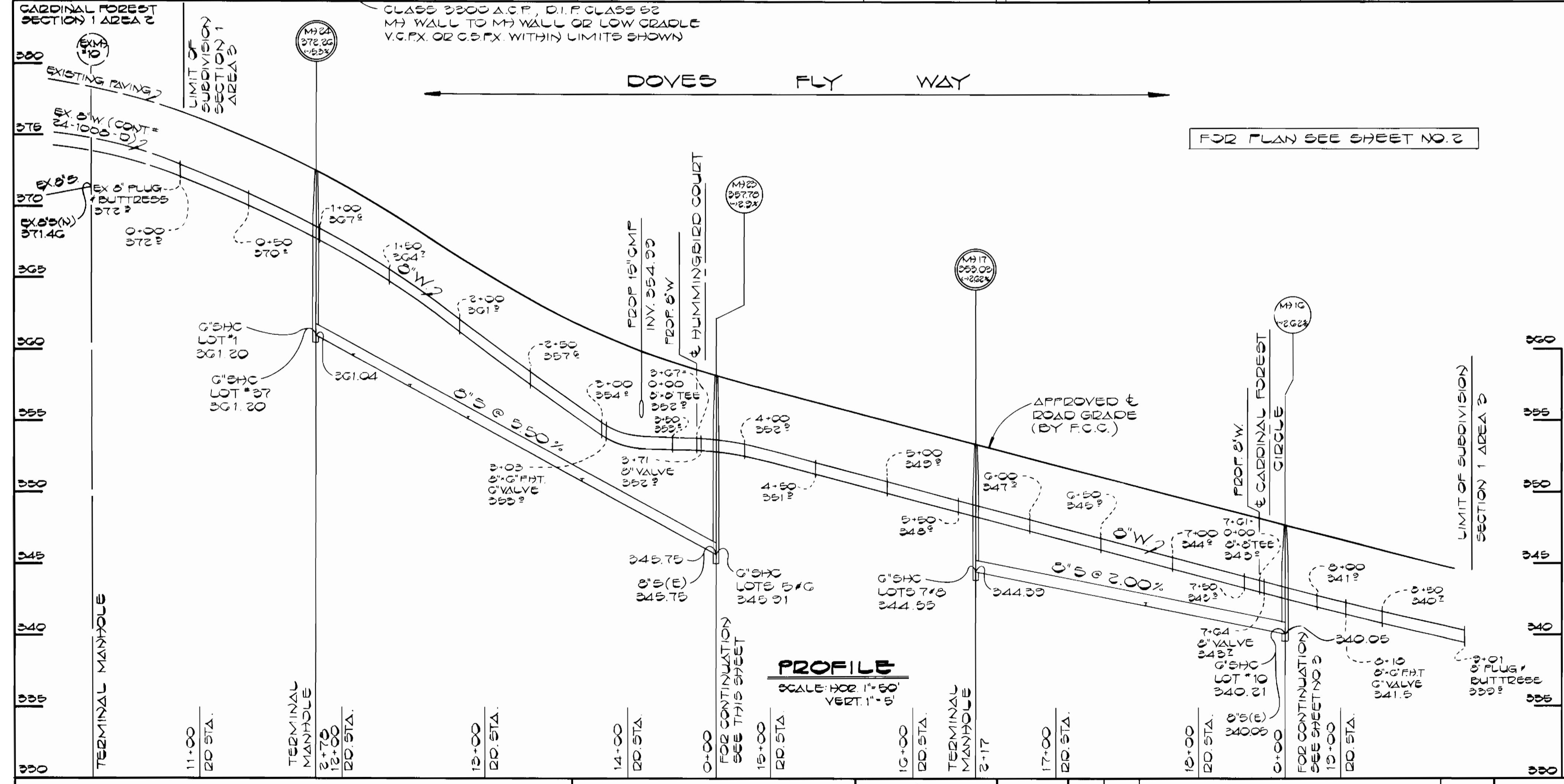
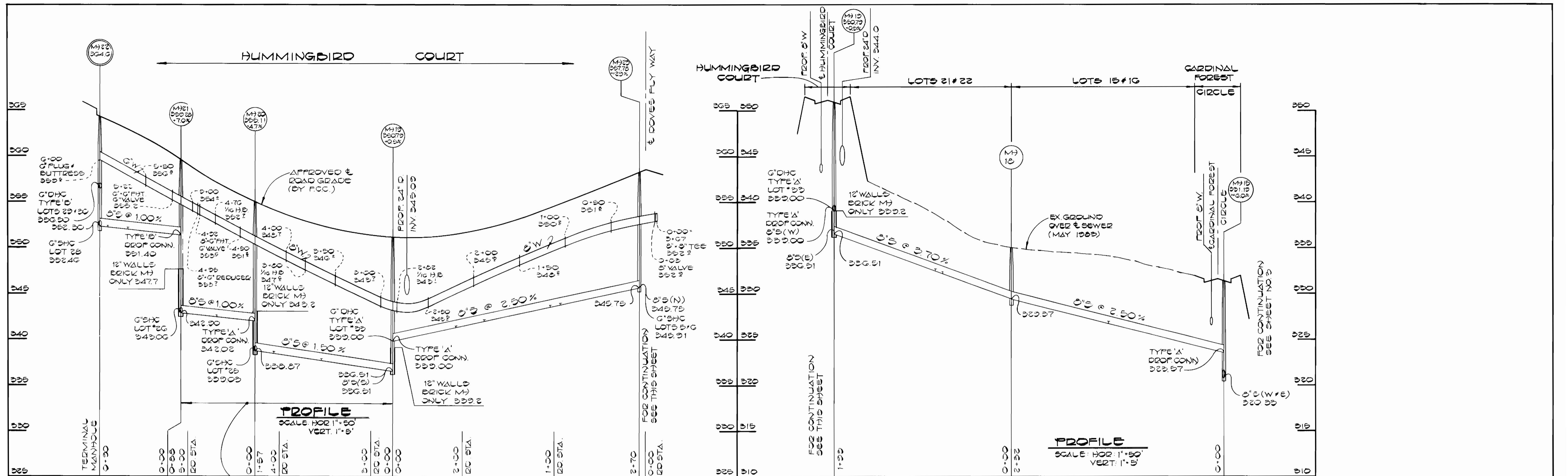
FISHER, COLLINS AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 461-2855



DES. D.B.S.	
DRN. D.B.S.	
CHK. T.A.F.	
DATE:	7/16/83
BY:	NO
NO:	
REVISION:	REVISE 1/2 OF SLOPE FROM MH#11 TO MH#10
DATE:	

PLAN & PROFILE
WATER AND SEWER MAINS

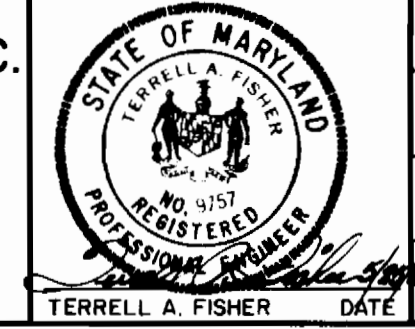
CARDINAL FOREST SECTION I AREA 3
 CONTRACT NO. 24-1127D
 SIXTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE AS SHOWN
 SHEET 3 OF 4



CONTRACT NO. 24-1127D
 CARDINAL FOREST
 SECTION 1 AREA 3
 WATER AND SEWER EXTENSION
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 James M. Lewis 7/13/83
 DIRECTOR OF PUBLIC WORKS DATE
 Robert J. Brunner 7/11/83
 CHIEF, BUREAU OF UTILITIES DATE

FISHER, COLLINS AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 461-2855



DES. D.B.S.	
DRN. D.B.S.	
CHK. T.A.F.	
DATE	
BY	
NO.	
REVISION	
DATE	

PROFILES AND DETAILS
 WATER AND SEWER MAINS

CARDINAL FOREST
 SECTION 1 AREA 3
 CONTRACT NO. 24-1127D
 SIXTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 4 OF 4