

GEORGE G. GISH EST.
D.B. 229, P. 6447

ROSS FAGAN

EXIST 50' R/W

AS-BUILT PLAN
SANITARY SEWER & WATERLINES
SPRINGTREE

PROPERTY OF
FRALIN & WALDRON, INC.
ROANOKE COUNTY, VIRGINIA
SCALE: 1" = 60'
REVISED MAY 12, 1977

BY: T.P. PARKER & SON
Engineers & Surveyors

LEGEND:
W.L. = WATERLINE
F.V. = FLUSH VALVE
V = GATE VALVE
F.H. = FIRE HYDRANT
D = DOUBLE WATER METERS
L = LENGTH OF SAN. SEW. LATERAL
D = DEPTH OF SAN. SEW. LATERAL
APCO XING = APPALACHIAN POWER CONDUIT, 3' DEEP

LEGEND FOR
DROP INLETS

D.I.
1 = D.I.-3C
2 = D.I.-3B
3 = D.I.-3A
4 = D.I.-3A
5 = D.I.-3A
6 = D.I.-3B
7 = D.I.-3B
8 = D.I.-3B
9 = D.I.-3B
10 = D.I.-3B
11 = D.I.-3B
12 = D.I.-3B
13 = D.I.-3B
14 = D.I.-3B
15 = D.I.-3A
16 = D.I.-3C

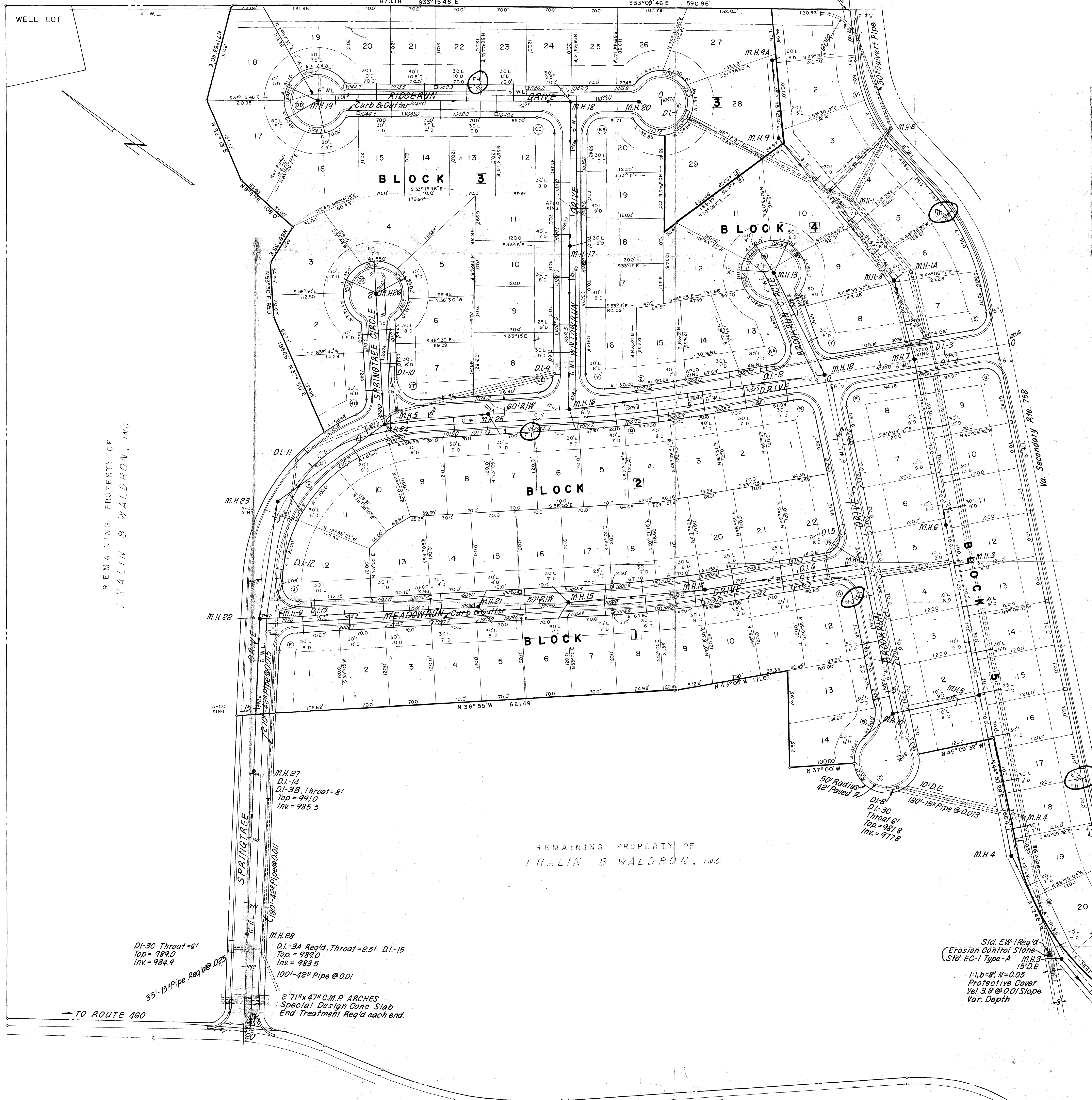
STORM SEWER			
D.I.	No.	Throat	Depth
1	1	240'-15"	1.0
2	1	110'-24"	3.9
3	1	240'-24"	3.4
4	3	185'-18"	2.1
5	4	180'-15"	1.3
6	5	235'-15"	2.9
7	5	150'-15"	1.0
8	6	50'-36"	3.2
9	6	40'-15"	10.2
10	6	210'-42"	1.5

D.I.-15 to Ditch 100'-42" 1.0%
MH-4 to Endwall 165'-36" 1.0%

STORM SEWER									
Throat	Top	D.I.	Inv.	D.	No.	D.I.	Throat	Depth	%
14'	999.5	3	994.4	3	4	40'-30"	2.50		
8'	993.8	5	989.8	5	6	50'-15"	3.20		
20'	992.2	6	987.9	6	7	35'-18"	0.80		
18'	1004.8	11	999.2	11	12	175'-30"	4.00		
8'	991.0	14	985.5	14	15	180'-42"	1.10		
25'	989.0	15	983.5	15	16	35'-15"	2.50		
8'	1037.5	1	1030.2						
25'	999.5	4	993.5						
8'	992.2	7	987.6						
6'	981.8	8	977.8						
10'	1017.1	9	1013.1						
14'	1010.5	10	1006.5						
14'	987.0	12	981.7						
10'	1000.0	13	996.0						
6'	989.0	16	984.9						

STORM SEWER									
Top	M.H.	Inv.	M.H.	Top	M.H.	Throat	Depth	%	
1008.5	1	1003.6	1	1A	1A	185'-18"	3.90		
1005.3	1A	998.7							
1002.0	2	1044.2							
998.1	3	993.0							
980.0	4	973.5							
1010.6	5	1006.1							
996.0	6	990.1							

SANITARY SEWER									
INV.	M.H.	Top	M.H.	Inv.	M.H.	Throat	Depth	%	
962.0	2	962.4	2	2	275'	1.88			
965.0	3	972.0	3	3	175'	3.43			
971.0	4	978.5	4	4	250'	1.80			
975.0	5	983.0	5	5	270'	2.96			
983.0	6	989.8	6	6	260'	2.96			
990.0	7	997.7	7	7	125'	4.80			
996.0	8	1003.0	8	8	280'	3.93			
1007.0	9	1110.0	9	9A	120'	11.67			
977.0	10	985.0	10	11	247'	2.43			
983.0	11	992.0	11	14	245'	4.08			
992.0	12	1001.1	14	15	215'	4.65			
1001.0	13	1008.9	10	5	140'	1.43			
993.0	14	1001.8	13	13	175'	5.14			
1003.0	15	1008.5	12	16	395'	2.78			
1003.0	16	1023.5	16	17	250'	7.20			
1021.0	17	1030.0	17	18	225'	4.00			
1030.0	18	1039.5	18	19	392'	0.50			
1031.6	19	1044.8	18	20	100'	0.50			
1030.5	20	1058.0	18	22	330'	5.10			
1005.0	21	1009.0	22	23	175'	4.57			
986.0	22	994.8	23	24	205'	3.41			
994.0	23	1001.8	24	25	160'	3.12			
1001.0	24	1010.0	24	26	205'	0.97			
1006.0	25	1015.1	22	27	230'	1.73			
1003.0	26	1011.0	27	28	250'	0.80			
984.9	28	989.0							
1021.0	29	1026.5							



REMAINING PROPERTY OF
FRALIN & WALDRON, INC.

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D.I.-3C Throat-6"
Top = 984.0
Inv = 984.9

35'-15" Pipe Req'd @ 0.25

M.H. 28
D.I.-3A Req'd, Throat-25' D.I.-15
Top = 989.0
Inv = 983.5
100'-42" Pipe @ 0.01
8' 71"x47" C.M.P. ARCHES
Special Design Cone Slab
End Treatment Req'd each end.

Std. E.W. Req'd
Erosion Control Stone
Std. EC-1 Type-A
M.H. 3
15' D.E.
1'-1.5'-8' N=0.05
Protective Cover
Vel. 3.2 @ 0.01 Slope
Var. Depth

SPRINGTREE SUBDIVISION

CITY OF ROANOKE WATER DEPT PLAN# 77-20

(THIS IS THE ORIGINAL AS-BUILT)