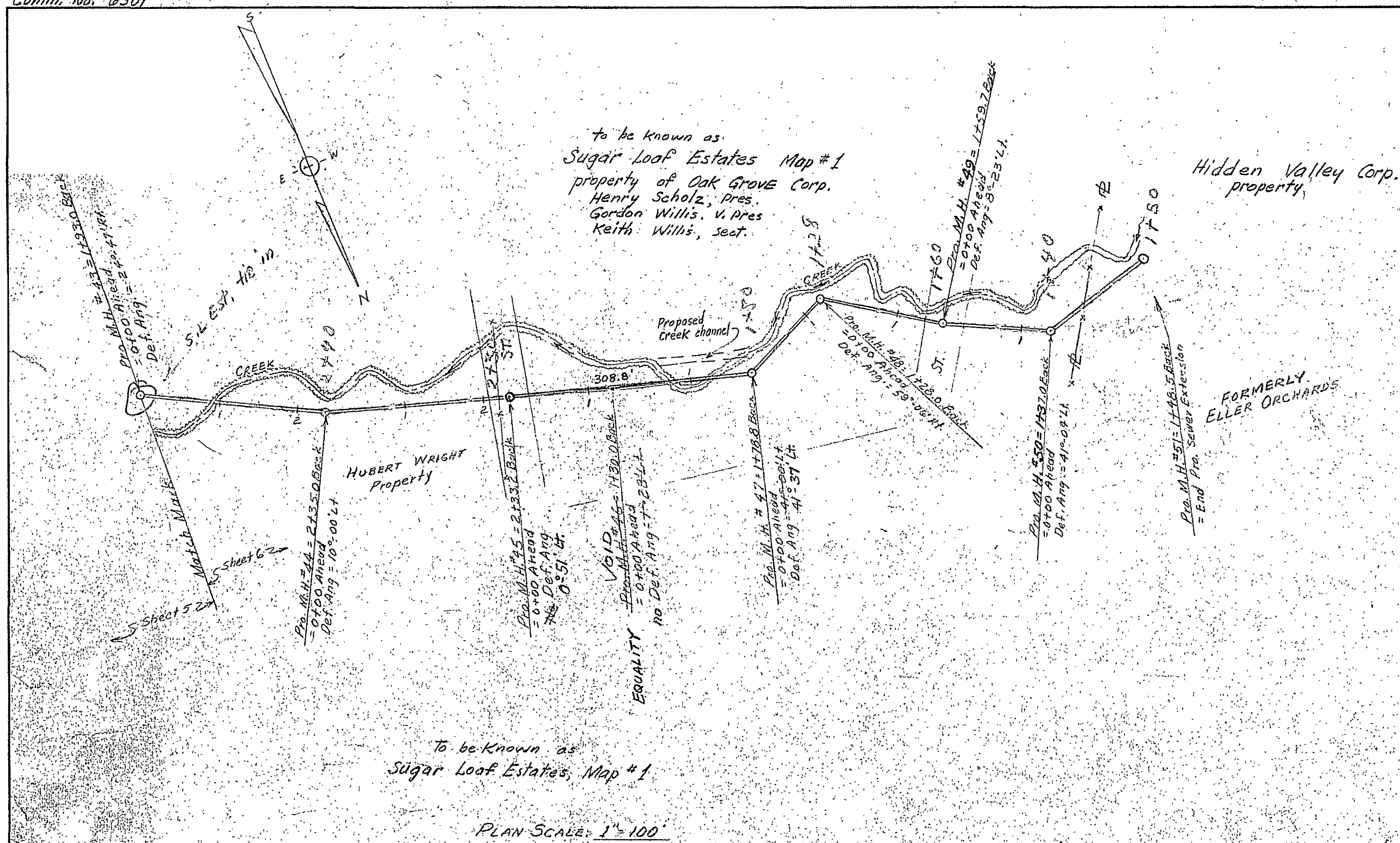
Comm. No. 6301



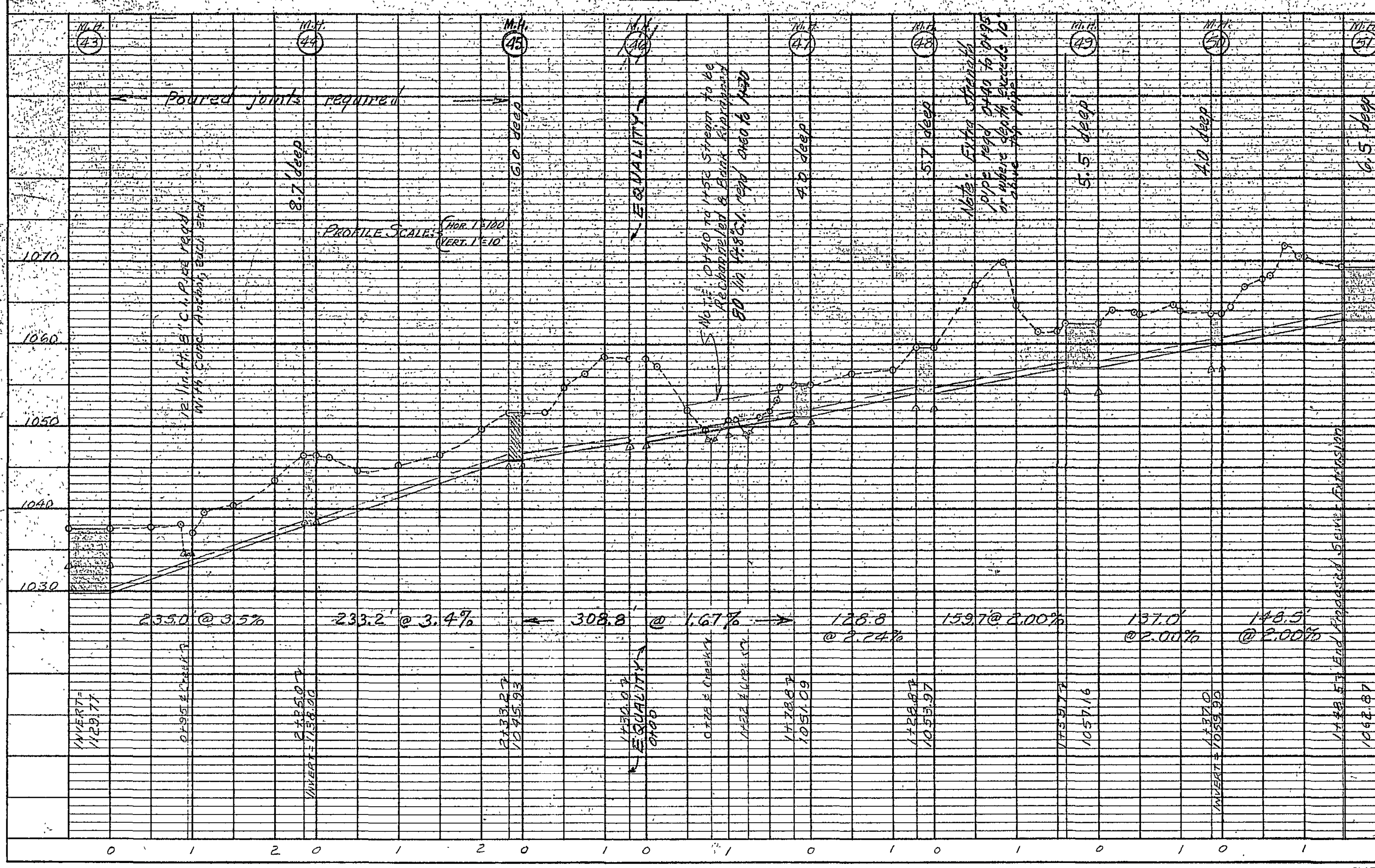
GENERAL NOTES

1. Infiltration not to exceed 1 gallon per lin. ft. of 8" main per day. Maximum allowable infiltration for other size mains to be in direct proportion to the diameter of main.
2. Pay height for manholes to be from invert to top of rim of manhole.
3. Manhole lids are to contain the words, "ROANOKE - SEWER - COUNTY".
4. A minimum cover of 2½ feet from the top of sewer main shall be provided for between manholes, or a 4" minimum concrete case is to be placed over the main by the method shown in the typical section shown, below, on this sheet.
5. Man holes, mains, and all laterals and wyes to be installed using mateials and construction methods in accordance with specifications and standards for sanitary sewers of Engr. Dept of City of Roanoke, Va., except where otherwise specifically stated.
6. All mains may be of approved terra cotta, vitrified clay using cement grout joints except where poured joints are indicated on plan or by conditions which indicate infiltration is likely to occur. 15" or 12" mains may be concrete sewer pipe ASTM C14-55. Concrete sewer pipe, if used, is to be laid and jointed in accordance with annexed specifications, dated May 13, 1957 (3 pages).
7. Extra strength pipe shall be installed at every point where depth of cover above top of pipe exceeds 10' height.
8. The metering station between M.H. #1 and M.H. #2 (Sheet 1 of 6) is to built in accordance with City of Roanoke Plan No 4227 (2 sheets of 2).
9. See Index Sheet for Plan & Profile sheet location.

M.H.	Depth
1	3.5
2	3.5
3	5.25
4	5.
5	5.
6	5.
7	5.
8	6.
9	7.
10	7.
11	7.
12	6.5
13	6.5
14	6.5
15	7.
16	6.5
17	7.
18	6.5
19	7.
19A	7.
20	6.
21	8.75
22	6.
23	6.
24	5.
25	5.
26	5.5
27	5.5
28	3.5
29	4.
30	8.
31	8.5
(no 32) 33	5.
34	5.5
35	4.5
36	6.
37	4.5
38	9.5
38A	6.5
(no 39 40 41) 42	8.
43	9.
44	8.7
45	6.
(no 46) 47	4.
48	5.7
49	5.5
50	4.0
51	6.5

No. M.H. = 48 = 290.4' total height

Note: depth = invert to top rim

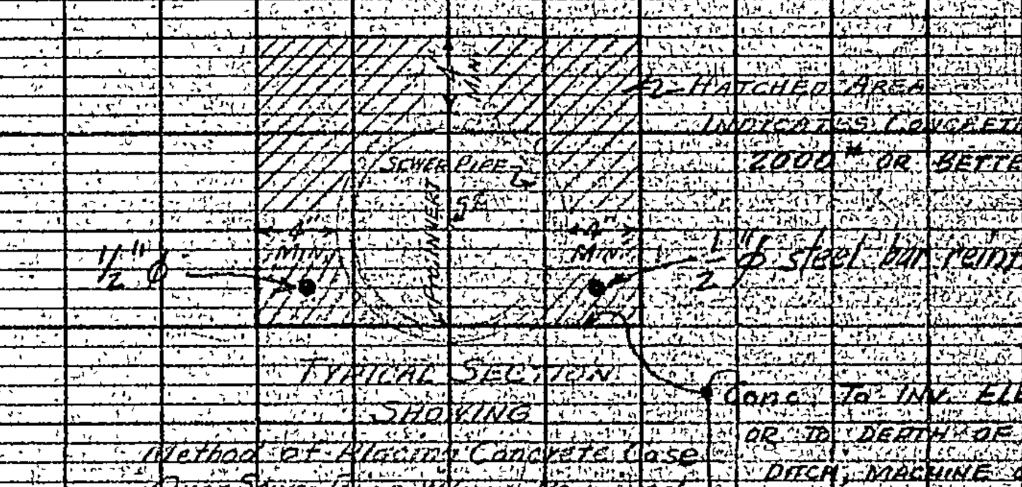


NOTE: Dashed Line Indicates Original Ground Along ℄ Proposed Sewer.
Dots in Small Triangles Indicate Top of Water Elevation of Creek Opposite Station Where Shown.

Quantity Summary:

1-10 =	2837 lin. ft.	15" San. Sewer	incl. 42 lin. ft. C.I. pipe & ____	lin. ft. conc. cap.
10-19A =	3157.4 lin. ft.	12" San Sewer		
19A-20 =	60.7 lin. ft.	Dual 8" C.I. Siphon	with conc. anchors at 22½° (1/16) bends.	
20-21 =	325.1 lin. ft.	10" T.C. Sewer	incl. 12 lin. ft. C.I. pipe & ____	lin. ft. conc. cap.
21-51 =	7011.2 lin. ft.	8" T.C. Sewer	incl 122 lin. ft. C.I. pipe & ____	lin. ft. conc. cap.

(Note: If Alternate line between M.H. 29 and M.H. 33 is used the lin. ft. of 8" T.C. Sewer between M.H. 21 - M.H. 51 will be 6992.7 lin. ft. including 122 lin. ft. C.I. pipe)



TYPICAL SECTION SHOWING Method of Placing Concrete Case Over Sewer Pipe Where Required

Sheets 1 thru 6 & Conc. pipe specs APPROVED:

Paul B. Matthews	5-15-57
Engineer for Roanoke Co., Va.	date
James A. Beavers	5-15-57
Exec. Director, Roke. Co. San. Auth.	date
H. Cletus Broyles	5-21-57
City Engineer of Roanoke, Va.	date
[illegible]	May 21, 1957
Director of Public Works, Roanoke, Va.	date

SHEET 6 OF 6
PLAN & PROFILE
FOR
PROPOSED MUD LICK SEWER EXTENSION
LOCATED ALONG MUD LICK CREEK TO N. SIDE SUGAR LOAF MTN.
ROANOKE COUNTY, VIRGINIA.
BY: C.B. MALCOLM & SON
VA. STATE CERT. ENGRS.
DATE: MAY 13, 1957 SCALE: AS NOTED

PLAN		BY	DATE
NOTE BOOK	SURVEYED	R.D.M.	
	PLOTTED	L.B.F.	
	ALIGNMENT CHECKED		
NO. RM62-57	RT. OF WAY CHECKED		

PROFILE		BY	DATE
NOTE BOOK	SURVEYED	R.D.M.	
	PLOTTED	L.B.F.	
	GRADES CHECKED		
NO. RM62-57	B. M.'s NOTED		
	STRUCTURE NOTAT'NS CH'KD		