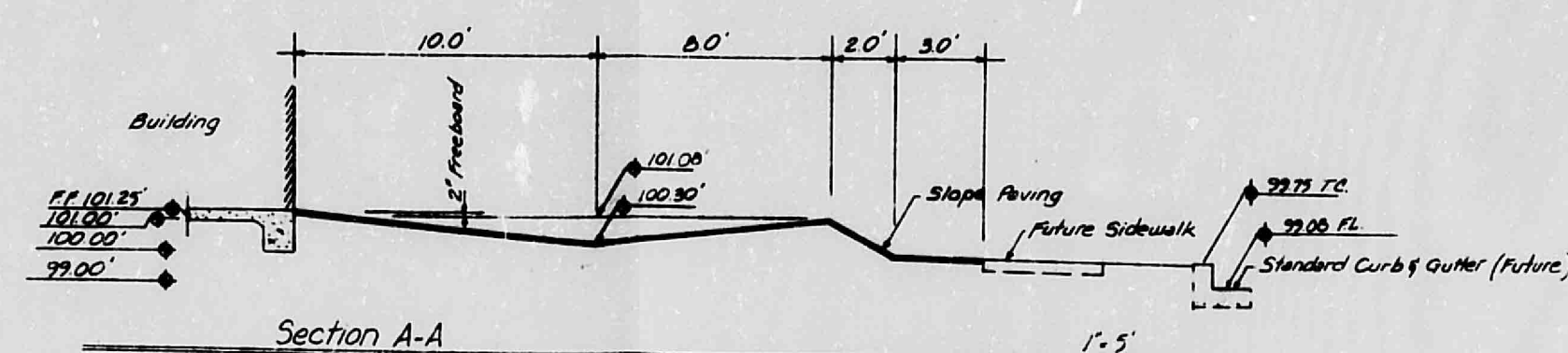
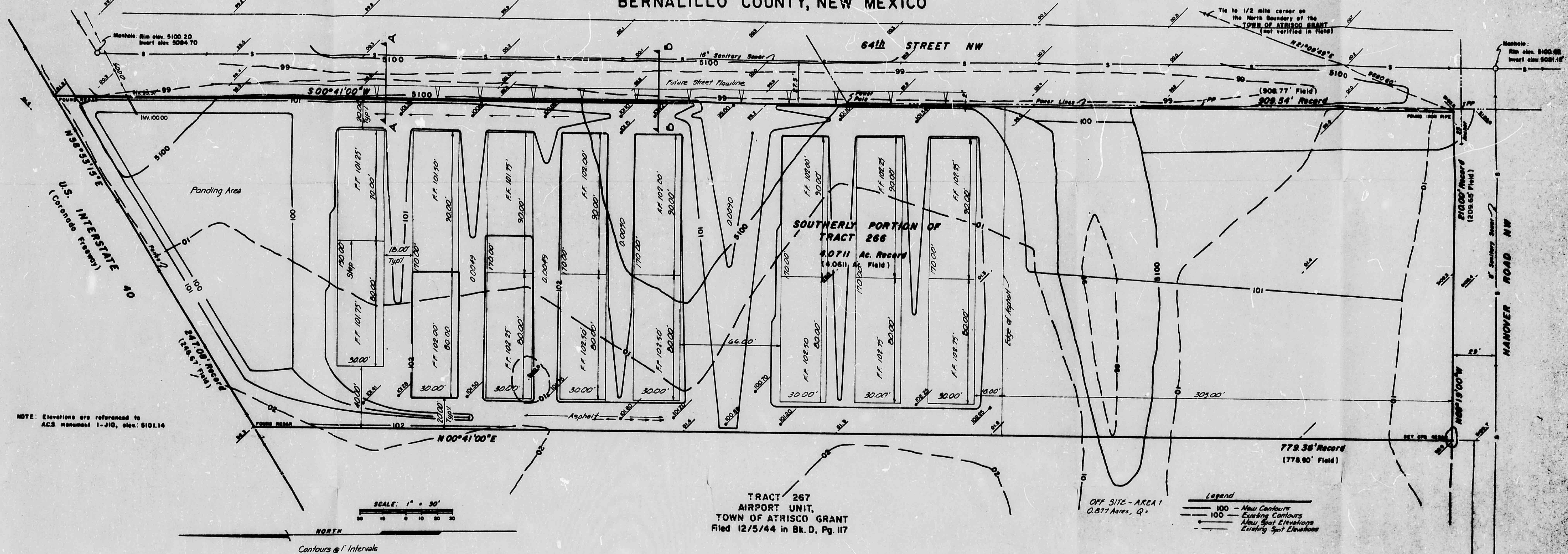
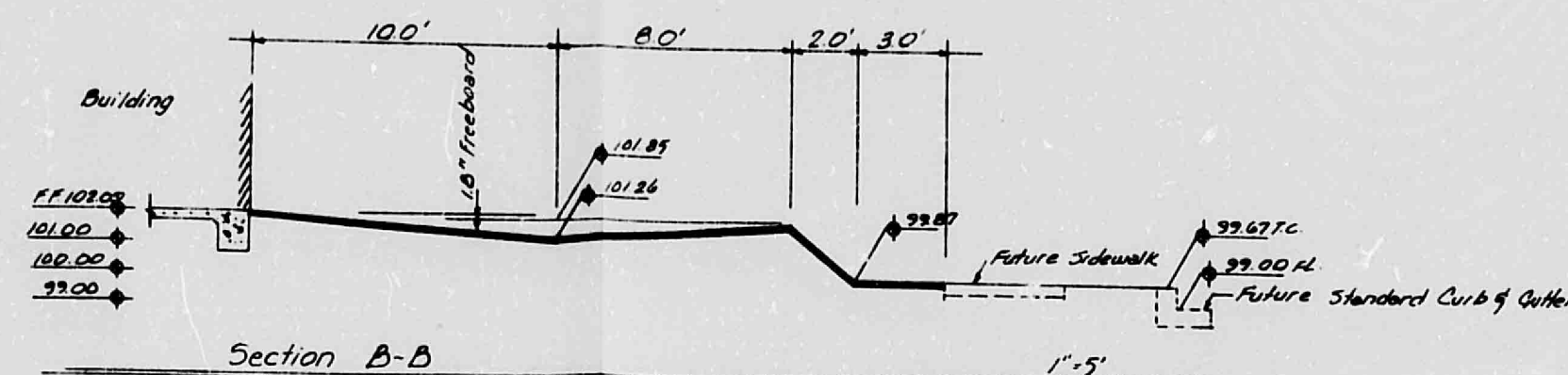


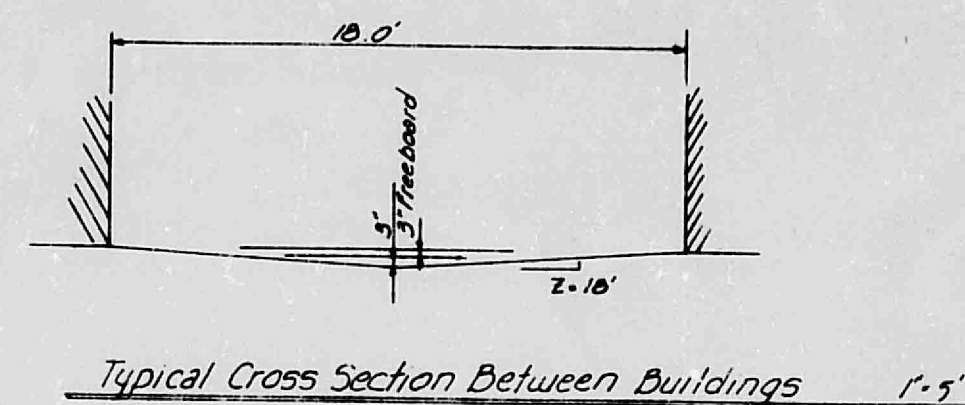
GRADING AND DRAINAGE
PLAN OF
SOUTHERLY PORTION OF TRACT 266
AIRPORT UNIT
TOWN OF ATRISCO GRANT
BERNALILLO COUNTY, NEW MEXICO



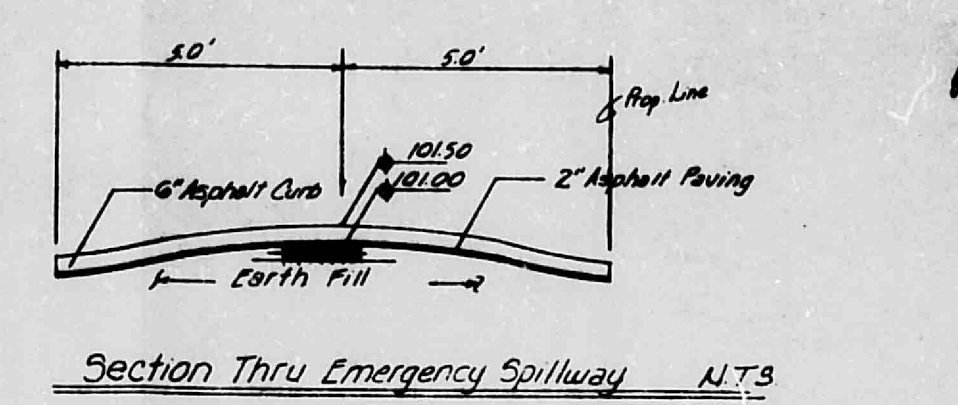
By Mannings Equation, the capacity of Above Cross Section is Computed as follows:
Depth $D = 0.78$ Ft. $E = 10.53$ (Mans Dist for 1' Rise)
 $N = 0.017$ $S = 0.0030$
By HP-41CV Program "V. Ditch" $Q = 21.05$ CFS



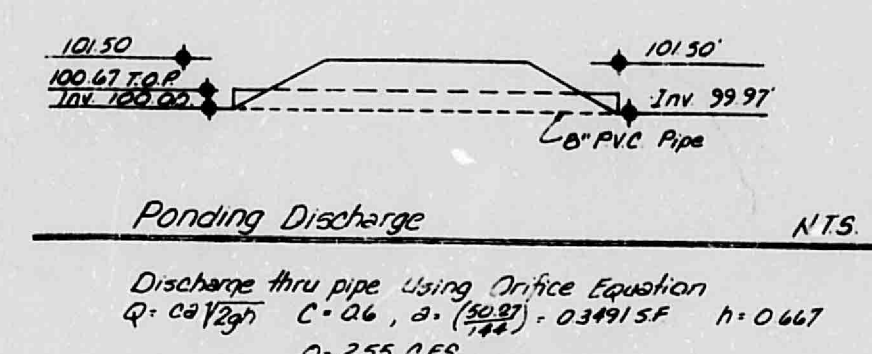
By Mannings Equation, the capacity of Above Cross Section is Computed as follows:
Depth $D = 0.53$ $E = 13.51$ (Mans Dist for 1' Rise)
 $N = 0.017$ $S = 0.0030$
By HP-41CV Program "V. Ditch" $Q = 12.86$ CFS



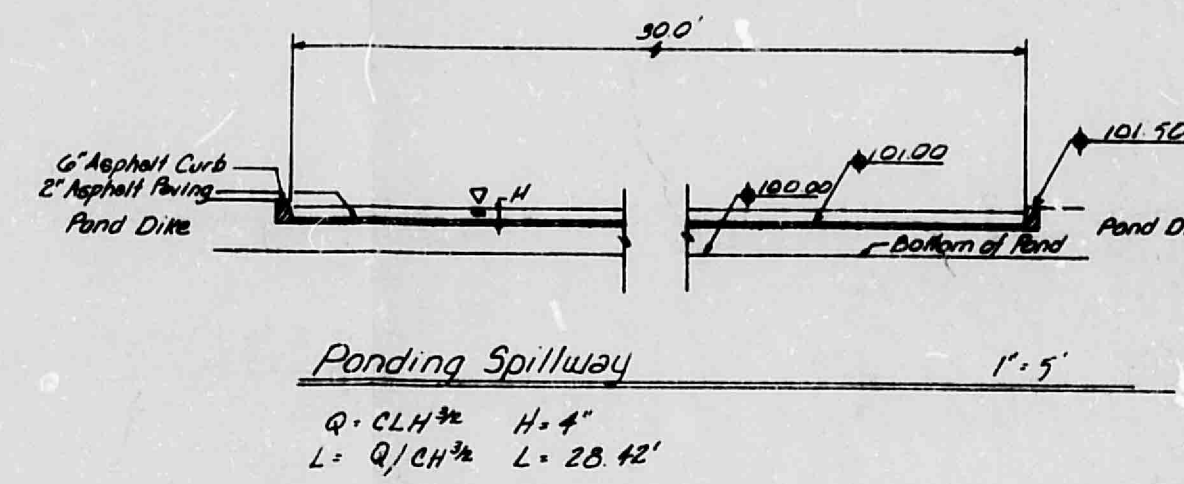
By Mannings Equation, $Q = 17.4$ CFS



By Mannings Equation, $Q = 17.4$ CFS



Discharge thru pipe Using Orifice Equation
 $Q = 0.6125$ $C = 0.6$ $A = 0.34915$ $H = 0.647$
 $Q = 2.55$ CFS
2-8" Pipes $Q = 5.10$ CFS



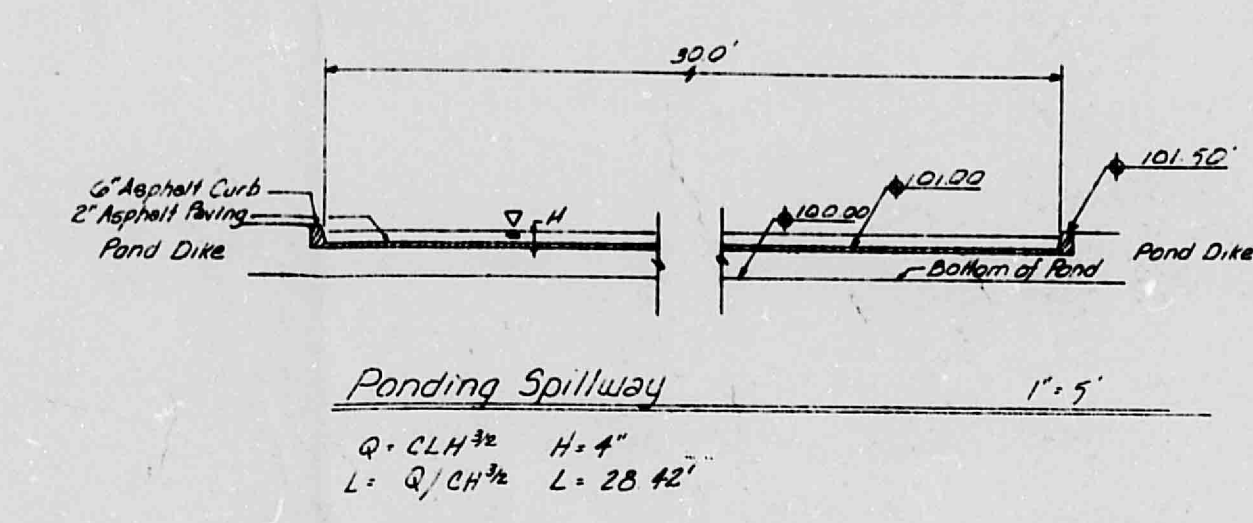
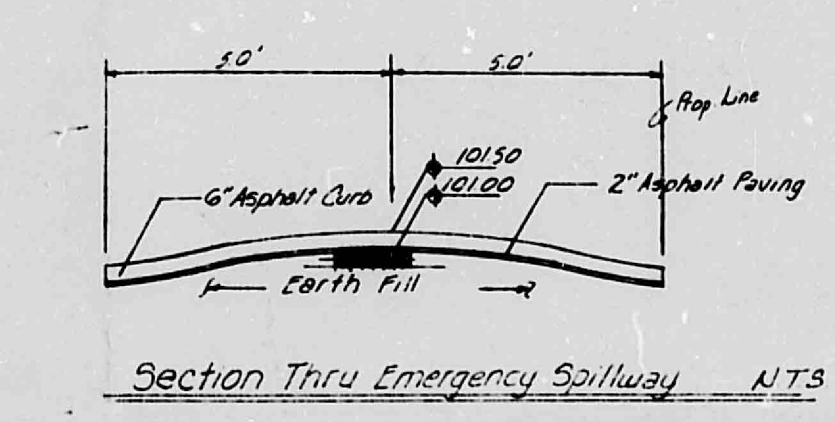
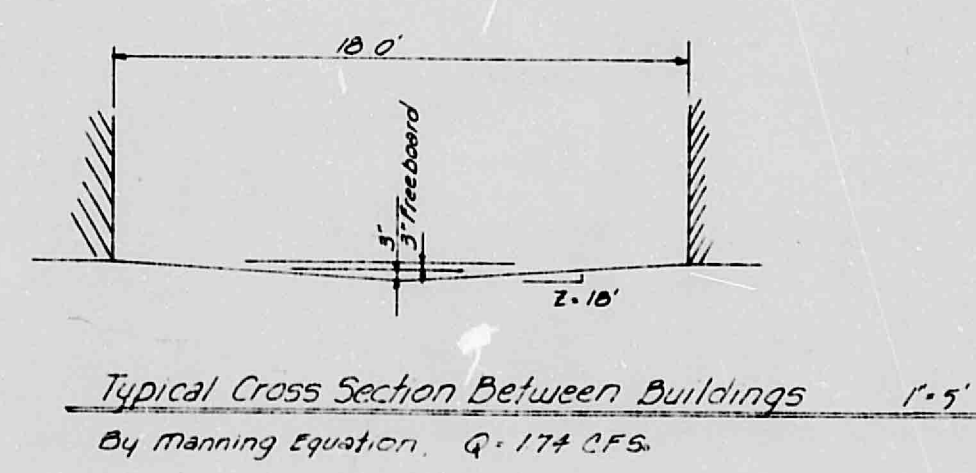
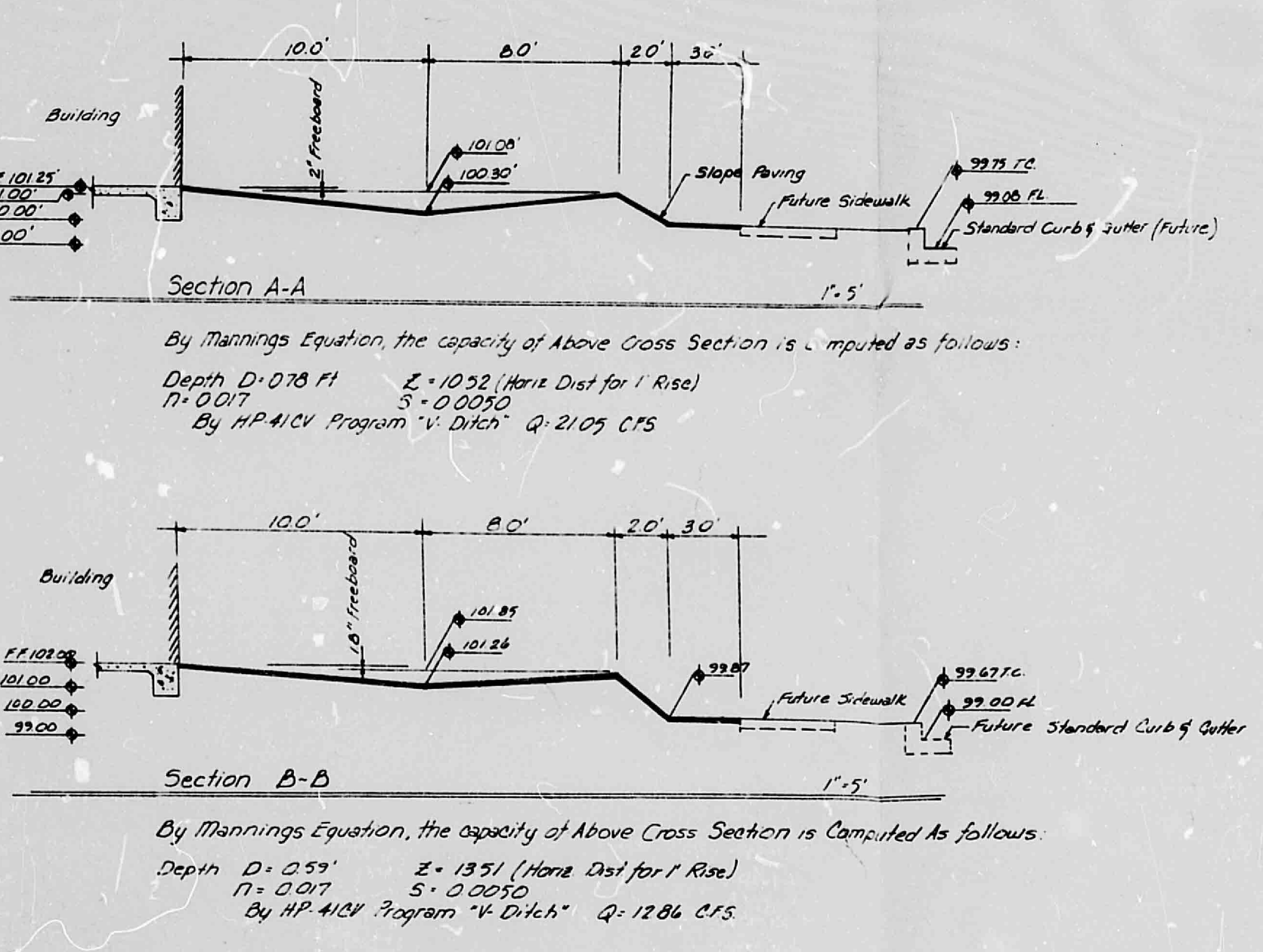
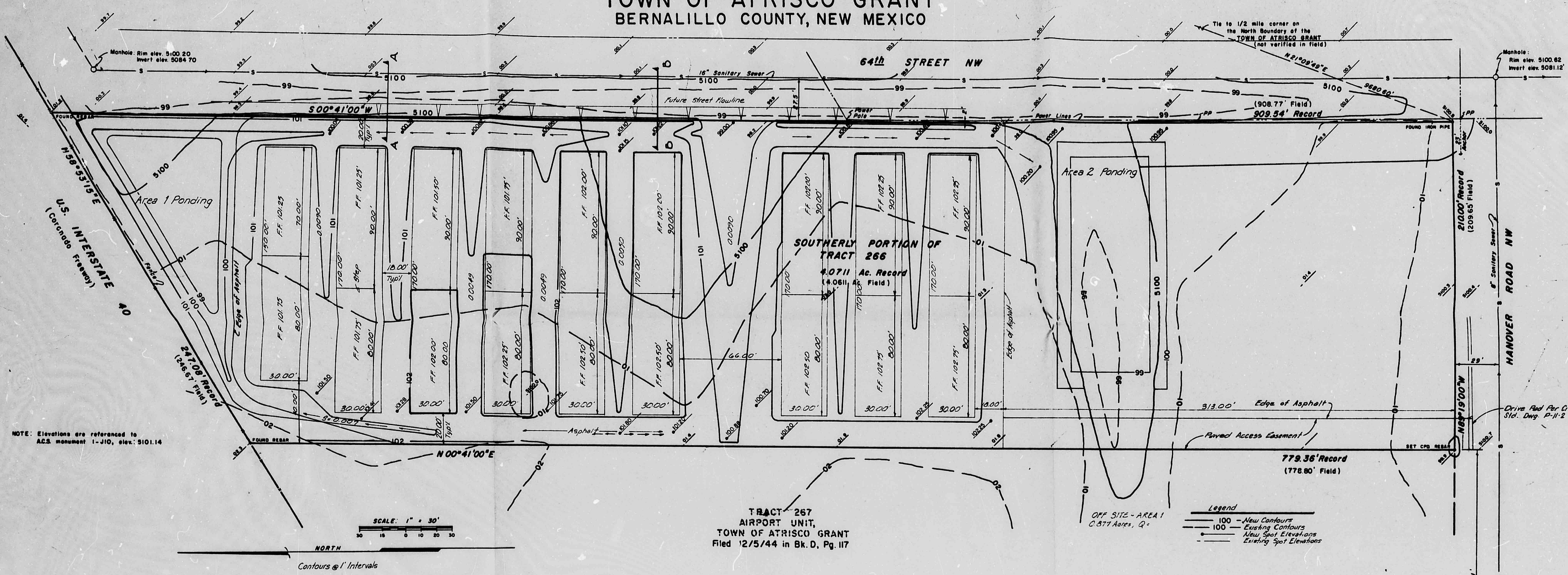
$Q = 0.414$ $H = 4'$
 $L = Q/CH^{1/2}$ $L = 23.42'$

HALL ENGINEERING &
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GRADING AND DRAINAGE
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SOUTHERLY PORTION OF TRACT 266
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BERNALILLO COUNTY, NEW MEXICO



Richard Hall

March 20, 1984
 Revised May 8, 1984
 REVISED JUNE 24, 1984
 Revised August 24, 1984

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