

Table with 6 columns: ISSUE, REVISION, DATE, BY, CHECKED, COMMENTS. Contains revision history for the project.

PREPARED FOR: N&K HIGHWAYS, L.L.C. 5091 NEW BAUMGARTNER ROAD ST. LOUIS, MISSOURI 63129 (314) 487-6717



PROJECT: SPRING ORCHARD. SHEET TITLE: DETENTION CALCULATIONS. DRAWN, DESIGNED, CHECKED fields.

Table with 2 columns: NO., SHEET. Values: 01 01 008, 25 OF 29.

STORMWATER DETENTION ANALYSIS. PREPARED BY: THE STERLING CO. SPRING ORCHARD SUBD. D'FALLON, MO. STERLING PROJECT NO. 01-01-008. September 5, 2001. Rev. Oct. 13, 2001.

INTRODUCTION: This tract of land is presently an undeveloped site located in the City of D'Fallon along Highway N. It is proposed that the 59.72 acre tract will be developed into 187 residential lots. One dry detention basin will be constructed at the north end of the common ground area.

Table with 4 columns: DESIGN STORM, Q INFLOW, Q OUTFLOW, Q STORAGE, PEAK ELEV. Includes summary data for 15 year, 25 year, and 100 year storms.

Table with 4 columns: Elevation (ft), Planimeter (sq. in.), Area (sq. ft.), Volume (cu ft). Contains volume calculations for various elevations from 493.50 to 500.00.

BASE MAP N/A. THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES.

100 YEAR STORM ROUTING COMPUTATIONS. Multiple columns for TIME (min), INFLOW (cfs), 11+12 (cfs), 2S/T - 0 (cfs), 2S/T + 0 (cfs), OUTFLOW (cfs), ELEVATION (ft). Includes summary of routing computations.

25 YEAR STORM ROUTING COMPUTATIONS. Multiple columns for TIME (min), INFLOW (cfs), 11+12 (cfs), 2S/T - 0 (cfs), 2S/T + 0 (cfs), OUTFLOW (cfs), ELEVATION (ft). Includes summary of routing computations.

15 YEAR STORM ROUTING COMPUTATIONS. Multiple columns for TIME (min), INFLOW (cfs), 11+12 (cfs), 2S/T - 0 (cfs), 2S/T + 0 (cfs), OUTFLOW (cfs), ELEVATION (ft). Includes summary of routing computations.

SUMMARY OF PEAK OUTFLOW AND PEAK ELEVATION. Summary of Peak Inflow, Peak Outflow, Peak Elevation, Total Storage in Pond.

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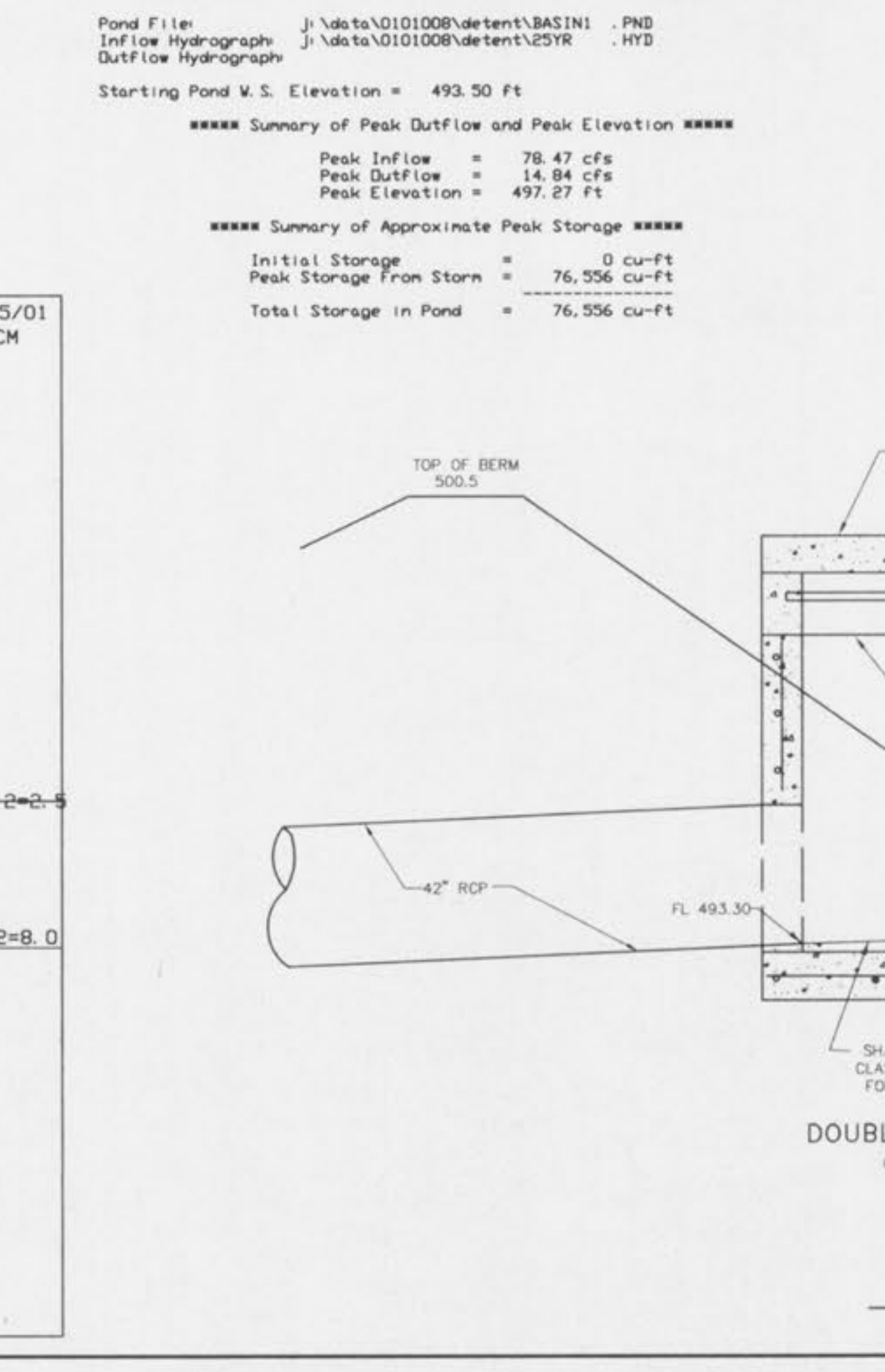
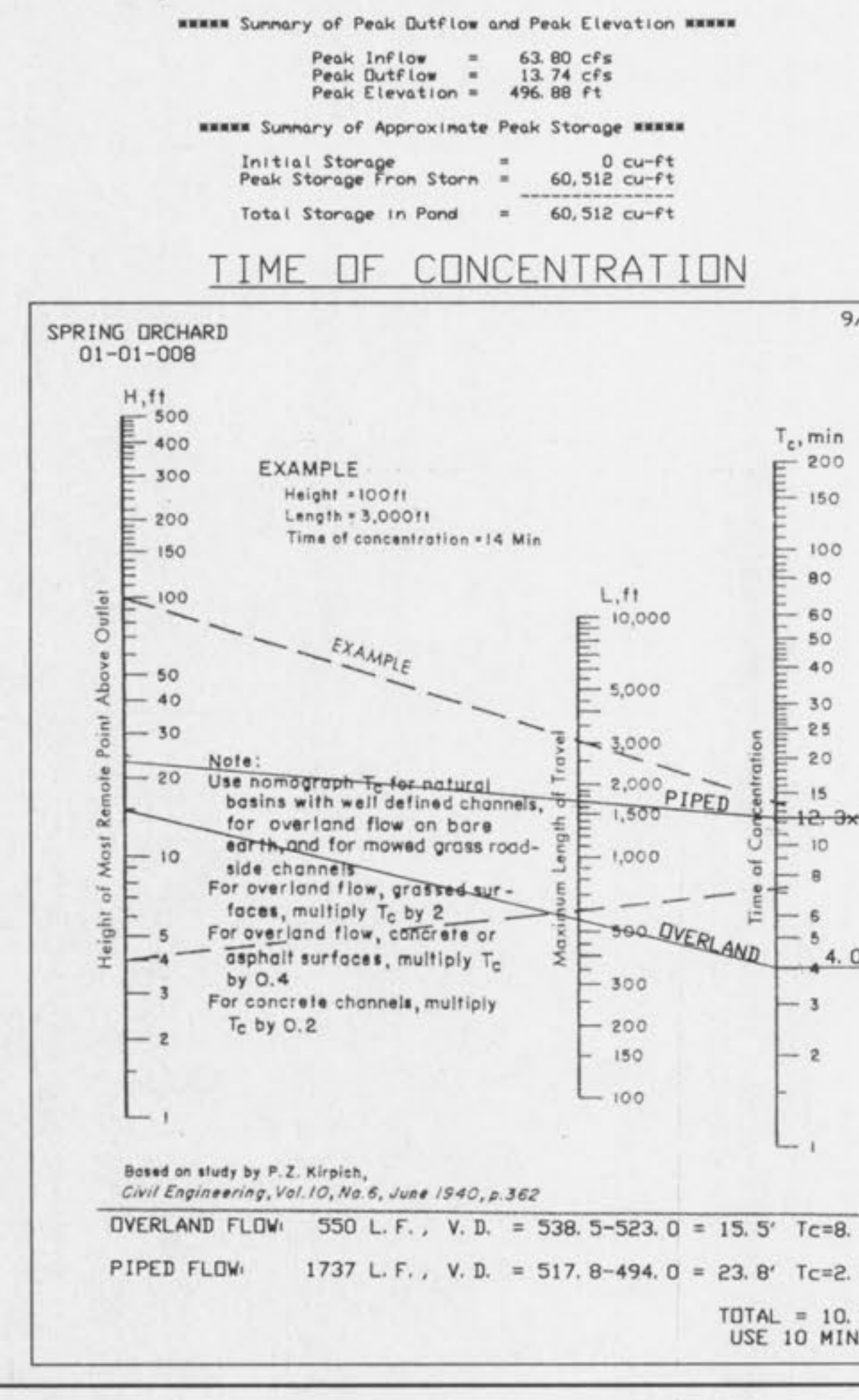
Summary of Peak Inflow, Peak Outflow, Peak Elevation, Total Storage in Pond. Includes design storm data.

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DOUBLE AREA INLET DETENTION BASIN OVERFLOW STRUCTURE '2' N.T.S. Includes detailed notes on dimensions, reinforcement, and construction requirements.