

PROJECT NAME : SYSTEM E
JOB NUMBER :
PROJECT DESCRIPTION :
ANALYSIS FREQUENCY : 100 Years
MEASUREMENT UNITS: ENGLISH

OUTPUT FOR ANALYSIS FREQUENCY of: 100 Years

Runoff Computation for Design Frequency.

Table with columns: ID, C Value, Area (acre), Tc (min), Tc Used (min), Intensity (in/hr), Supply Q (cfs), Total Q (cfs). Rows include E-3 through OSE7.

Cumulative Junction Discharge Computations

Table with columns: Node I.D., Node Type, Weighted C-Value, Cumulat. Dr. Area (acres), Cumulat. Tc (min), Intensity (in/hr), User Supply Q (cfs), Additional Q in Node (cfs), Total Disch. (cfs). Rows include m1 through m19.

Table with columns: Node, Junction, C Value, Intensity, Supply Q, Total Q. Rows include m20, m21, bend1, bend2, OUT.

Conveyance Configuration Data

Table with columns: Run#, Node I.D., Flowline Elev., Shape, Span, Rise, Length, Slope, n-value. Rows include m1 through m19 and OSE1 through OSE7.

Conveyance Hydraulic Computations. Tailwater = 512.000 (ft)

Table with columns: Run#, US Elev (ft), DS Elev (ft), Fr. Slope (%), Depth (ft), Velocity (ft/s), Q (cfs), Cap (cfs), Junc Loss (ft). Rows include 2 through 49.

* Super critical flow.

RECORD DRAWING

This drawing is a compilation of the original sealed engineering drawing and modifications by addenda, change orders and information furnished by the contractor. Information shown that was provided by the contractor and others not associated with the design engineer cannot be verified for accuracy or completeness.

ORIGINAL DRAWING SEALED & SIGNED BY

T.H. Gaertner, P.E.
TX NO. 37124

COMPUTATION SHEETS

COMPUTATIONS FOR OFFSITE AREAS OSE2, OSE3, OSE4, OSE5, OSE6, OSE7, OSE8, AND OSE9 ARE BASED ON PROPOSED WATERSHED CONDITIONS. COMPUTATIONS FOR OFFSITE AREA OSE1 ARE BASED ON EXISTING WATERSHED CONDITIONS.

TIME OF CONCENTRATION IS DETERMINED ACCORDING TO CITY OF ROCKWALL CRITERIA.

City of Rockwall, Texas
205 BYPASS PHASE 3
HYDRAULIC DATA STORM SYSTEM E-100 YR FLOWS
TCB AECOM
Unit PW-DAL-FW, Scale, Date 11/23/2009, Project No. 60004153, Sheet 74 of 215