

PROJECT NAME : SYSTEM T T4
JOB NUMBER :
PROJECT DESCRIPTION :
DESIGN FREQUENCY : 100 Years
MEASUREMENT UNITS: ENGLISH
OUTPUT FOR DESIGN FREQUENCY of: 100 Years

Runoff Computation for Design Frequency.

Table with 7 columns: ID, C Value, Area (acre), Tc (min), Tc Used (min), Intensity (in/hr), Supply Q (cfs), Total Q (cfs). Rows T-1 to T-8.

Cumulative Junction Discharge Computations

Table with 8 columns: Node I.D., Node Type, Weighted C-Value, Cumulat. Dr. Area (acres), Cumulat. Tc (min), Intens. (in/hr), User Supply Q (cfs), Additional Q in Node (cfs), Total Disch. (cfs). Rows T-1 to OUT.

Conveyance Configuration Data

Table with 10 columns: Run#, Node I.D., US DS, Flowline Elev. (US DS), Shape #, Span (ft), Rise (ft), Length (ft), Slope (%), n_value. Rows 1 to 17.

Conveyance Hydraulic Computations. Tailwater = 558.820 (ft)

Table with 11 columns: Run#, Hydraulic Gradeline (US DS Elev), Fr. Slope (%), Depth (Unif. Actual), Velocity (Unif. Actual), Q (cfs), Cap (cfs), Loss (ft). Rows 1 to 17.

* Super critical flow.

PROJECT NAME : LINE T9
JOB NUMBER :
PROJECT DESCRIPTION :
DESIGN FREQUENCY : 100 Years
MEASUREMENT UNITS: ENGLISH
OUTPUT FOR DESIGN FREQUENCY of: 100 Years

Runoff Computation for Design Frequency.

Table with 7 columns: ID, C Value, Area (acre), Tc (min), Tc Used (min), Intensity (in/hr), Supply Q (cfs), Total Q (cfs). Rows T-9 to T-13.

Cumulative Junction Discharge Computations

Table with 8 columns: Node I.D., Node Type, Weighted C-Value, Cumulat. Dr. Area (acres), Cumulat. Tc (min), Intens. (in/hr), User Supply Q (cfs), Additional Q in Node (cfs), Total Disch. (cfs). Rows T-9 to OUT.

Conveyance Configuration Data

Table with 10 columns: Run#, Node I.D., US DS, Flowline Elev. (US DS), Shape #, Span (ft), Rise (ft), Length (ft), Slope (%), n_value. Rows 1 to 10.

Conveyance Hydraulic Computations. Tailwater = 558.820 (ft)

Table with 11 columns: Run#, Hydraulic Gradeline (US DS Elev), Fr. Slope (%), Depth (Unif. Actual), Velocity (Unif. Actual), Q (cfs), Cap (cfs), Loss (ft). Rows 1* to 10*.

* Super critical flow.

PROJECT NAME : LINE T14
JOB NUMBER :
PROJECT DESCRIPTION :
DESIGN FREQUENCY : 100 Years
MEASUREMENT UNITS: ENGLISH
OUTPUT FOR DESIGN FREQUENCY of: 100 Years

Runoff Computation for Design Frequency.

Table with 7 columns: ID, C Value, Area (acre), Tc (min), Tc Used (min), Intensity (in/hr), Supply Q (cfs), Total Q (cfs). Row T14.

Cumulative Junction Discharge Computations

Table with 8 columns: Node I.D., Node Type, Weighted C-Value, Cumulat. Dr. Area (acres), Cumulat. Tc (min), Intens. (in/hr), User Supply Q (cfs), Additional Q in Node (cfs), Total Disch. (cfs). Rows T14, T-Bnd-3, OUT.

Conveyance Configuration Data

Table with 10 columns: Run#, Node I.D., US DS, Flowline Elev. (US DS), Shape #, Span (ft), Rise (ft), Length (ft), Slope (%), n_value. Rows 1, 2.

Conveyance Hydraulic Computations. Tailwater = 558.820 (ft)

Table with 11 columns: Run#, Hydraulic Gradeline (US DS Elev), Fr. Slope (%), Depth (Unif. Actual), Velocity (Unif. Actual), Q (cfs), Cap (cfs), Loss (ft). Rows 1*, 2*.

* Super critical flow.

COMPUTATION SHEETS

- ALL COMPUTATIONS ARE BASED ON EXISTING WATERSHED CONDITIONS.

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

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 sealed drawing is on file at the office of AECOM USA Group, Inc., TBPE REG. NO. F-3082

ORIGINAL DRAWING SEALED & SIGNED BY

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

City of Rockwall, Texas
205 BYPASS PHASE 3
HYDRAULIC DATA STORM SYSTEM T-100 YR FLOWS
TCB AECOM
Unit PW-DAL-FW Scale Horz: AS SHOWN Vert: AS SHOWN Date 11/23/2009
Designed SB Checked TCB Project No. 60004153
Drawn FG Approved TCB Sheet 71 of 215