

PROJECT NAME : LINE G4
JOB NUMBER :
PROJECT DESCRIPTION :
ANALYSIS FREQUENCY : 100 Years
MEASUREMENT UNITS: ENGLISH

PROJECT NAME : LINE G6
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 8 columns: ID, C Value, Area (acre), Tc (min), Tc Used (min), Intensity (in/hr), Supply Q (cfs), Total Q (cfs). Rows include G-1, G-4, G-5, G-7, G-9.

Cumulative Junction Discharge Computations

Table with 9 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 G-1, G-4, G-5, G-7, G-9, G-BND1, M1, M2, M3, M4, G-BND4, OUT.

Conveyance Configuration Data

Table with 11 columns: Run#, Node I.D., Flowline Elev. (US, DS), Shape #, Span (ft), Rise (ft), Length (ft), Slope (%), n-value. Rows include G-1, G-4, G-5, G-7, G-9, G-BND1, M1, M2, M3, M4, G-BND4, OUT.

Conveyance Hydraulic Computations. Tailwater = 538.200 (ft)

Table with 11 columns: Run#, US Elev (ft), DS Elev (ft), Fr. Slope (%), Depth (ft), Velocity (f/s), Q (cfs), Cap (cfs), Junc Loss (ft). Rows include G-1, G-4, G-5, G-7, G-9, G-BND1, M1, M2, M3, M4, G-BND4, OUT.

OUTPUT FOR ANALYSIS FREQUENCY of: 100 Years

Runoff Computation for Design Frequency.

Table with 8 columns: ID, C Value, Area (acre), Tc (min), Tc Used (min), Intensity (in/hr), Supply Q (cfs), Total Q (cfs). Rows include G-3, G-6.

Cumulative Junction Discharge Computations

Table with 9 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 G-3, G-6, G-bnd3, M7, G-bnd6, OUT.

Conveyance Configuration Data

Table with 11 columns: Run#, Node I.D., Flowline Elev. (US, DS), Shape #, Span (ft), Rise (ft), Length (ft), Slope (%), n-value. Rows include G-3, G-6, G-bnd3, M7, G-bnd6, OUT.

Conveyance Hydraulic Computations. Tailwater = 538.200 (ft)

Table with 11 columns: Run#, US Elev (ft), DS Elev (ft), Fr. Slope (%), Depth (ft), Velocity (f/s), Q (cfs), Cap (cfs), Junc Loss (ft). Rows include G-3, G-6, G-bnd3, M7, G-bnd6, OUT.

* Super critical flow.

PROJECT NAME : LINE G8
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 8 columns: ID, C Value, Area (acre), Tc (min), Tc Used (min), Intensity (in/hr), Supply Q (cfs), Total Q (cfs). Rows include G-2, G-8, G-10.

Cumulative Junction Discharge Computations

Table with 9 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 G-2, G-BND5, G-8, G-10, G-BND2, M5, M6, OUT.

Conveyance Configuration Data

Table with 11 columns: Run#, Node I.D., Flowline Elev. (US, DS), Shape #, Span (ft), Rise (ft), Length (ft), Slope (%), n-value. Rows include G-2, G-8, G-10, G-BND2, M5, M6, G-BND5, OUT.

Conveyance Hydraulic Computations. Tailwater = 538.200 (ft)

Table with 11 columns: Run#, US Elev (ft), DS Elev (ft), Fr. Slope (%), Depth (ft), Velocity (f/s), Q (cfs), Cap (cfs), Junc Loss (ft). Rows include G-2, G-8, G-10, G-BND2, M5, M6, G-BND5, OUT.

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 G-100 YR FLOWS
TCB AECOM
Unit PW-DAL-FW, Scale, Date 11/23/2009, Project No. 60004153, Sheet 72 of 215