

PROJECT NAME : Rockwall 205 Bypass  
JOB NUMBER :  
PROJECT DESCRIPTION : LINE LUM-1  
ANALYSIS FREQUENCY : 100 Years  
MEASUREMENT UNITS: ENGLISH

OUTPUT FOR ANALYSIS 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 include B-1 through B-12 and Lum-1 through Lum-2.

Cumulative Junction Discharge Computations

Table with 9 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 include B-1 through B-12 and various junction nodes.

Conveyance Configuration Data

Table with 11 columns: Run#, Node I.D., Flowline US/DS, Elev. (ft), Shape #, Span (ft), Rise (ft), Length (ft), Slope (%), n-value. Rows include Lum-1, m6, m7, m8, B-4, B-1, B-2, B-5, Lum-2, m9, bend1, bend2, bend3, m10, B-12, M12, and OUT.

Conveyance Hydraulic Computations. Tailwater = 512.500 (ft)

Table with 11 columns: Run#, US Elev (ft), DS Elev (ft), Fr. Slope (%), Depth Unif. (ft), Depth Actual (ft), Velocity Unif. (f/s), Velocity Actual (f/s), Q (cfs), Cap (cfs), Junc Loss (ft). Rows include 1\* through 16\*.

\* Super critical flow.

PROJECT NAME : Rockwall 205 Bypass  
JOB NUMBER :  
PROJECT DESCRIPTION : LINE B-SEC1  
ANALYSIS FREQUENCY : 100 Years  
MEASUREMENT UNITS: ENGLISH

OUTPUT FOR ANALYSIS 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 include OSB2, B-7, B-9, B-8, B-10, B-11, and B-SEC1.

Cumulative Junction Discharge Computations

Table with 9 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 include OSB2, B-7, B-9, B-8, B-10, B-11, B-SEC1, m1, m2, m3, m4, m5, m11, bend1, bend2, and OUT.

Conveyance Configuration Data

Table with 11 columns: Run#, Node I.D., Flowline US/DS, Elev. (ft), Shape #, Span (ft), Rise (ft), Length (ft), Slope (%), n-value. Rows include B-SEC1, m1, m2, m3, m4, bend1, OSB2, B-7, B-9, B-8, B-11, B-10, m11, bend1, and bend2.

Conveyance Hydraulic Computations. Tailwater = 512.500 (ft)

Table with 11 columns: Run#, US Elev (ft), DS Elev (ft), Fr. Slope (%), Depth Unif. (ft), Depth Actual (ft), Velocity Unif. (f/s), Velocity Actual (f/s), Q (cfs), Cap (cfs), Junc Loss (ft). Rows include 1\* through 14\*.

\* Super critical flow.

COMPUTATION SHEETS

- THIS OUTPUT FILE SHOWS RESULTS FOR ROCKWALL'S 100-YR DISCHARGE CONDITIONS IN THE STORM DRAINS.

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 4  
HYDRAULIC DATA STORM SYSTEM B-100 YR FLOWS  
TCB AECOM  
Unit: PW-DAL-FW, Scale: Horz: AS SHOWN, Vert: AS SHOWN, Date: 11/11/2009, Project No. 60004153, Sheet 27 of 146