

WinStorm (STORM DRAIN DESIGN)

Version 3.05, Jan. 25, 2002  
Run @ 5/20/2008 12:14:57 PM

PROJECT NAME : DITCH FLOWS  
JOB NUMBER :  
PROJECT DESCRIPTION :  
DESIGN FREQUENCY : 100 Years  
MEASUREMENT UNITS: ENGLISH

COMPUTATION SHEETS

- TIME OF CONCENTRATION IS DETERMINED ACCORDING TO CITY OF ROCKWALL CRITERIA.
- THESE FLOWS WERE USED FOR SIZING TEMPORARY DITCHES AND REPRESENT EXISTING CONDITIONS.

OUTPUT FOR DESIGN FREQUENCY of: 100 Years

Runoff Computation for Design Frequency.

ID	C Value	Area (acre)	Tc (min)	Tc Used (min)	Intensity (in/hr)	Supply Q (cfs)	Total Q (cfs)
RSG1	0.53	76.19	50.00	50.00	5.00	0.000	201.904
RSG2	0.35	5.56	20.00	20.00	8.33	0.000	16.210
RSH1	0.5	27.47	50.00	50.00	5.00	0.000	68.675
RSH2	0.35	12.52	40.00	40.00	5.80	0.000	25.416
RST1	0.35	15.82	20.00	20.00	8.33	0.000	46.123

=====END=====

WinStorm (STORM DRAIN DESIGN)

Version 3.05, Jan. 25, 2002  
Run @ 5/20/2008 12:15:32 PM

PROJECT NAME : DITCH FLOWS  
JOB NUMBER :  
PROJECT DESCRIPTION :  
ANALYSIS FREQUENCY : 100 Years  
MEASUREMENT UNITS: ENGLISH

OUTPUT FOR ANALYSIS FREQUENCY of: 100 Years



Runoff Computation for Design Frequency.

ID	C Value	Area (acre)	Tc (min)	Tc Used (min)	Intensity (in/hr)	Supply Q (cfs)	Total Q (cfs)
RSE1	0.35	4.67	20.00	20.00	8.33	0.000	13.615
RSE2	0.35	4.32	20.00	20.00	8.33	0.000	12.595
RSE3	0.35	25.80	40.00	40.00	5.50	0.000	49.665
RSE4	0.35	0.28	20.00	20.00	8.33	0.000	0.816
RSE5	0.35	0.41	20.00	20.00	8.33	0.000	1.195
RSE6	0.35	0.41	20.00	20.00	8.33	0.000	1.195
RSE7	0.35	1.22	20.00	20.00	8.33	0.000	3.557
RSE8	0.35	2.69	20.00	20.00	8.33	0.000	7.843
RSE9	0.35	1.85	20.00	20.00	8.33	0.000	5.394

=====END=====

**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

I		WINSTORM OUTPUT		THG	5/20/08
NO.	REVISION			BY	DATE
 <b>City of Rockwall, Texas</b>					
<b>205 BYPASS PHASE 3</b>					
<b>HYDRAULIC DATA DITCH FLOWS</b>					
		<small>TCB INC. WWW.TCB.AECOM.COM 17300 DALLAS PARKWAY, SUITE 1010 DALLAS, TEXAS 75248</small>			
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	76 of 215

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 11/23/2009