

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

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OUTPUT FOR ANALYSIS FREQUENCY of: 100 Years

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Runoff Computation for Design Frequency.

ID	C Value	Area (acre)	Tc (min)	Tc Used (min)	Intensity (in/hr)	Supply Q (cfs)	Total Q (cfs)
RSD1	0.35	4.67	20.00	20.00	8.33	0.000	13.615
RSE3	0.35	4.32	10.00	10.00	8.33	0.000	12.595

=====END=====

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.

P:\4328\60004\53-205Bypass\CADD\Sheets\Phase 2- SH 66 To 120+00\Record Drawng 10-7-09\05\_1\_056hydr.dwg | | caddra-01.dgn  
11/23/2009


**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

NO.	REVISION	BY	DATE

 <b>City of Rockwall, Texas</b>																		
<b>205 BYPASS PHASE 2</b>																		
<b>DITCH CALCULATIONS</b>																		
<b>TCB   AECOM</b> <small>TCB INC. WWW.TCB.AECOM.COM 17300 DALLAS PARKWAY, SUITE 1010 DALLAS, TEXAS 75248</small>																		
<table border="1" style="width: 100%; font-size: small;"> <tr> <td>Unit</td> <td>PW-DAL-FW</td> <td>Scale</td> <td>Horz: AS SHOWN Vert: AS SHOWN</td> <td>Date</td> <td>11/23/2009</td> </tr> <tr> <td>Designed</td> <td>SDB</td> <td>Checked</td> <td>TCB</td> <td>Project No.</td> <td>60004153</td> </tr> <tr> <td>Drawn</td> <td>EG</td> <td>Approved</td> <td>TCB</td> <td>Sheet</td> <td>56 of 142</td> </tr> </table>	Unit	PW-DAL-FW	Scale	Horz: AS SHOWN Vert: AS SHOWN	Date	11/23/2009	Designed	SDB	Checked	TCB	Project No.	60004153	Drawn	EG	Approved	TCB	Sheet	56 of 142
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