

PROJECT NAME : 205 BYPASS - Section 1
JOB NUMBER :
PROJECT DESCRIPTION : Storm Drain C - SYSTEM C INLETS
ANALYSYS FREQUENCY : 25 Years
MEASUREMENT UNITS: ENGLISH

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OUTPUT FOR ANALYSYS FREQUENCY of: 25 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)
OSC1	0.35	13.62	20.00	20.00	6.70	0.000	31.939

Sag Inlets Configuration Data.

Inlet ID	Inlet Type	Inlet Length/ Perim (ft)	Grate Area (sf)	Left-Slope Long Trans (%)	Right-Slope Long Trans (%)	Gutter n	Depth DeprW (ft)	Depth Allowed (ft)	Critic Elev. (ft)		
OSC1	Curb	20.00	n/a	0.50	2.00	0.50	2.00	0.014	1.50	2.50	510.00

Sag Inlets Computation Data.

Inlet ID	Inlet Type	Inlet Length (ft)	Grate Perim (ft)	Grate Area (sf)	Total Q (cfs)	Inlet Capacity (cfs)	Total Head (ft)	Ponded Left (ft)	Ponded Right (ft)
OSC1	Curb	20.00	n/a	n/a	31.939	67.791	0.717	22.05	22.05

=====END=====

NORMAL TERMINATION OF WINSTORM.

COMPUTATION SHEETS

- THIS OUTPUT FILE SHOWS RESULTS FOR ROCKWALL'S 25-YR DISCHARGE CONDITIONS TO SIZE AND PLACE INLETS.
- ALL COMPUTATIONS ARE BASED ON EXISTING WATERSHED CONDITIONS.
- MAXIMUM ALLOWABLE PONDED WIDTH USED FOR DESIGN IS 14' PER CITY OF ROCKWALL VARIANCE.


P:\4328\60004\53-205Bypass\CADD\Sheets\Section1\140-00-To-FME52\Record Drawing 10_7_09\077_084_Hydraulic\caddra-01_08.dgn 11/11/2009

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

Matthew L. Abbe, P.E.
TX NO. 92715

NO.	REVISION	BY	DATE
 City of Rockwall, Texas			
205 BYPASS SECTION 1			
HYDRAULIC DATA SYSTEM C INLETS - 25 YR FLOWS			
7 OF 8			
TCB AECOM		<small>TCB INC. WWW.TCB.AECOM.COM 17300 DALLAS PARKWAY, SUITE 1010 DALLAS, TEXAS 75248</small>	
Unit	PW-DAL-FW	Scale: Horiz: AS SHOWN Vert: AS SHOWN	Date: 11/11/2009
Designed	SRR/SDB	Checked: TCB	Project No. 60004153
Drawn	FG	Approved: TCB	Sheet 83 of 217