



ON-SITE RUNOFF CALCULATIONS (DEVELOPED CONDITIONS)

Drainage Area #	Area (Acres)	Runoff Coeff.	Intensity (in./hr.)	Time (conc.) (minutes)	Discharge (c.f.s.)	Comment
"A"	"C"	"I"	TC	"Q"		
A1	1.11	0.8	8.74	10.0	7.8	Developed - Town Home
A2	0.38	0.8	8.74	10.0	2.7	Developed - Town Home
B	0.16	0.8	8.74	10.0	1.1	Developed - Town Home
C	0.48	0.8	8.74	10.0	3.4	Developed - Town Home
D	0.17	0.8	8.74	10.0	1.2	Developed - Town Home
ONSITE DRAINAGE TOTAL					16.1	

DRAINAGE DESIGN THEORY
Rational Method
Q=CIA

* Q(EXISTING) REPRESENTS DESIGN FLOWS PER THE PLANS FOR CELESTIAL PLACE BY ALLEGIANCE GROUP (JANUARY 1994)

- *LEGEND***
- X
XX.X
XXX DRAINAGE AREA NUMBER
 - PROPOSED DRAINAGE AREA (ACRES)
 - PROPOSED RUNOFF, Q (CFS)
 - PROPOSED DRAINAGE DIVIDE
 - EXISTING DRAINAGE DIVIDE
 - EXISTING CONTOURS
 - ← PROPOSED FLOW DIRECTION
 - A1-A PROPOSED INLET LABEL

NO.	REVISIONS DURING CONSTRUCTION	BY	DATE	NO.	REVISIONS DURING PLAN REVIEW	BY	DATE

JB Jones & Boyd, Inc.
17090 Dallas Parkway, Suite 200
Dallas, Texas 75248
972.248.7676 office
972.248.1414 fax
www.jones-boyd.com

- Engineering
- Surveying
- Planning
- Landscape Architecture
- Construction Management

STORM SEWER PLAN	PROJECT NO.
PRELIMINARY	CDC004
STANFORD COURT	SHEET NO.
Town of Addison, Dallas County, Texas	2

Drawing: H:\Projects\CD0004.dwg Revised Layout\XCD0004.dwg Saved By: Juke Save Time: 6/26/2006 4:23 PM Plotted by: Juke Plot Date: 6/26/2006 4:40 PM