



**DRAINAGE AREA CALCULATIONS**

BASIN	AREA (AC)	C	T <sub>c</sub>	I <sub>100</sub> (INCHES)	Q <sub>100</sub> (CFS)
1	0.79	0.9	10	9.8	7.0
2	1.21	0.9	10	9.8	10.6
3	1.87	0.9	10	9.8	16.5
4	0.17	0.9	10	9.8	1.5
5	0.50	0.9	10	9.8	4.4
6	0.44	0.9	10	9.8	3.9
7	0.20	0.9	10	9.8	1.8
8	1.52	0.9	10	9.8	13.4
9	2.63	0.9	10	9.8	23.2
10	2.50	0.9	10	9.8	22.1
11	0.87	0.9	10	9.8	7.7
12	0.78	0.9	10	9.8	6.9

Q=CIA

N44°55'43"W 958.27'

ROCKWALL BUSINESS PARK EAST PHASE I  
LOT 1, BLOCK A  
CAB. B, SLIDE 37  
M.R.R.C.T.

**RECORD DRAWING**  
REVISED TO REFLECT KNOWN CHANGES MADE DURING CONSTRUCTION.  
*Robert L. Wright* DATE 8-18-02

- FIRE LANE
- CONCRETE PAVEMENT
- ADDED NOTES, CHANGED BACKGROUND

NOTE:  
ALL EXISTING SURVEY DATA  
AS PROVIDED BY OWNER

FOR GENERAL NOTES  
SEE SHEET C-1B

**PATE ENGINEERS**  
8150 BROOKSHIRE DRIVE  
SUITE 5-700  
DALLAS, TEXAS 75247  
TEL (214) 357-2881  
FAX (214) 357-2885  
JOB NO. 02670000

**TRAVEL CENTERS OF AMERICA - Protolite**  
Interstate 30 at State Highway 205  
Rockwall, Texas 75087  
TravelCenters of America

PROJECT NO: TAR2TX

STATE OF TEXAS  
ROBERT L. WRIGHT  
35510  
REGISTERED PROFESSIONAL ENGINEER  
*Robert L. Wright*  
10-18-02

REVISIONS: CONSTRUCTION SET DOCUMENTS; CONSTRUCTION BULLETIN #1 10/18/02  
REVISIONS PER OWNER'S COMMENTS  
REVISIONS PER CITY COMMENTS

CHECKED BY: JEM

Sheet:  
**DRAINAGE AREA MAP**  
C-5  
Of:  
Date: SEPTEMBER 25, 2002