SCALE 1"=20'

0 20 40

SCALE IN FEET

RUNOFF CALCULATIONS												
				COMPOSITE PI FACTOR AND TOTAL Q								
D.A. #	PERVIOUS ACREAGE	IMPERVIOUS ACREAGE	TOTAL ACREAGE	2 YEAR		5 YEAR		15 YEAR		25 YEAR		100 YEAR	
				PI	Q (cfs)	PI	Q (cfs)	PI	Q (cfs)	PI	Q (cfs)	PI	Q (cfs)
1	0.04	0.35	0.39	2.49	0.97	3.05	1.19	3.65	1.42	4.50	1.75	5.76	2.25
2	0.19	0.48	0.67	2.24	1.50	2.75	1.84	3.29	2.20	4.06	2.72	5.19	3.48
3	0.00	0.11	0.11	2.63	0.29	3.22	0.35	3.85	0.42	4.75	0.52	6.08	0.67
4	0.00	0.23	0.23	2.63	0.60	3.22	0.74	3.85	0.89	4.75	1.09	6.08	1.40
5	0.05	0.22	0.27	2.38	0.64	2.91	0.79	3.48	0.94	4.30	1.16	5.50	1.49
6	0.00	0.10	0.10	2.63	0.26	3.22	0.32	3.85	0.39	4.75	0.48	6.08	0.61
7	0.14	0.07	0.21	1.72	0.36	2.11	0.44	2.53	0.53	3.12	0.66	3.99	0.84
8	0.00	0.01	0.01	2.63	0.03	3.22	0.03	3.85	0.04	4.75	0.05	6.08	0.06

DRAINAGE AREA ONLY
NOT FOR CONSTRUCTION

7 0.21 Ac.

6 0.10 Ac.

QUIKTRIP #640
801 BELLEAU CREEK RD.
O'FALLON, MO
4 SIDES GOLD WRAPPED
WITH MECHANICAL SCREEN
FF=485.24

E-046 CANOPY SIGN

5 0.27 Ac.

8 0.0 Ac.

1 0.39 Ac.

3 0.11 Ac.

4 0.23 Ac.

2 0.67 Ac.

PROPOSED LOT AREA
76,941 SQ. FT.
1.767 AC.

AVERAGE GRADE = 2.73%

AVERAGE GRADE=0.73%

4.00% SLOPE

CROWN

CONC PAVEMENT

Asphalt Shoulder

EXIST. CONC PAVEMENT

END CONC PIPE
FL=464.74

FES
FL=464.83

SAN MH
T=473.20
FL=456.05

The original of this drawing is on file at the office of The Clayton Engineering Company. Any modifications to this drawing shall release said Clayton Engineering Company, the Engineer and/or the Surveyor whose seal appears hereon from any liability resulting from said unauthorized modifications.

3.	1/3/00	AJM	REVISED PER QUIKTRIP & CITY
2.	12/12/00	AJM	REVISED PER QUIKTRIP
1.	11/9/00	AJM	REVISED PER QUIKTRIP

REVISIONS

QUIKTRIP CORPORATION
2255 BLUESTONE DRIVE
ST. CHARLES, MO. 63303
PH # (636) 916-5706
FAX # (636) 916-5754

QUIKTRIP #640
PROPOSED DRAINAGE AREA MAP

801 BELLEAU CREEK ROAD O'FALLON, MISSOURI 63366

STATE OF MISSOURI
DAVID A. COLVIN
NUMBER E-19276
REGISTERED ENGINEER
12/19/01

the clayton engineering company, inc.
ENGINEERS • SURVEYORS • PLANNERS
11920 WESTLINE INDUSTRIAL DRIVE
ST. LOUIS, MISSOURI 63146
(314) 692-8888 FAX: (314) 692-8888
clayton-engineering.com

Designed	EEK/AJM
Drawn	AJM
Checked	DAC
Date	10/10/00
Project Number	99301
Sheet Number	11 of 11

F.S. | F.B. | SUR. | FILE P:\99301\PLANS\CONST01.DWG | PLOTTED 01/08/2001 11:14 AM