



# ***City of Albuquerque***

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 27, 1995

John C. Wilson, P.E.  
Wilson & Associates  
809 Copper Ave. NW  
Albuquerque, New Mexico

**RE: ENGINEER'S CERTIFICATION FOR CRACKER BARREL, 5200 SAN ANTONIO NE (E18/D48) SUBMITTED FOR CERTIFICATE OF OCCUPANCY APPROVAL, ENGINEER'S STAMP DATED 7/24/95.**

Dear Mr. Wilson:

Based on the information provided in the submittal of July 24, 1995, the Engineer's Certification for the above referenced site is acceptable.

If I can be of further assistance to you, please call me at 768-2650.

Sincerely,

Susan M. Calongne, P.E.  
City/County Floodplain Administrator

c: Andrew Garcia, City Hydrology  
Michael Zylstra, Cracker Barrel  
Kent Wall, Design & Engineering  
File



# ***City of Albuquerque***

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 9, 1995

Kent Wall  
Design and Engineering, Inc.  
215 Jamestown Park Dr., Suite 100  
Brentwood, TN 37027

RE: GRADING AND DRAINAGE PLAN FOR CRACKER BARREL (E18-D48)  
ENGINEER'S STAMP DATED 4/27/95 (REVISION).

Dear Mr. Wall:

Based on the information provided in the resubmittal of May 1, 1995, the above referenced plan is approved for Building Permit release.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Prior to Certificate of Occupancy release, an Engineer's Certification per the D.P.M. checklist will be required for all work on-site. Also, prior to Certificate of Occupancy release, an approved work order and inspection by the City will be required for all work within City Right-of-Way.

If you should have any questions, or if I may be of assistance to you, please do not hesitate to call me .

Sincerely,

Susan M. Calongne, PE  
City/County Floodplain Administrator

c: Andrew Garcia  
Ted Tillman, Owner  
File

Project:

Project No.:

done by -  
Bernie Montoya  
4/25/95

25-Apr-95

Calculations: Total Basin

Calculations are based on "Section 22.2 Hydrology of the  
Development Process Manual, Volume 2, Design Criteria for the  
City of Albuquerque, New Mexico, January 1993 - basins < 40 acres".

Precipitation Zone = 2

Depth at 100-year, 6-hour storm: (Table A-2)

P = 2.35

Land Treatments:

From Table 5 - Percent Treatment D

Single Family Residential =

 $7 \cdot \text{SQR}((N \cdot N) + (5 \cdot N))$ 

where N = units/acre

N = ----- = -----, ok &lt; 6

N = 0.00

Therefore Percent Treatment D =

0.00%

(includes local streets)

Areas: (acres)	Existing	Proposed
Treatment A	0.00	0.00
Treatment B	4.60	0.00
Treatment C	0.00	0.00
Treatment D	0.00	4.60
Total (acres) =	4.60	4.60

Volume	100 year Existing	100 year Proposed	10 year Existing	10 year Proposed
Volume (acre-feet) =	0.30	0.81	0.11	0.51
Volume (cubic feet) =	13,024	35,400	4,675	22,375

Total Q(p), cfs:	100 year Existing Q(p)*A	100 year Proposed Q(p)*A	10 year Existing Q(p)*A	10 year Proposed Q(p)*A
Treatment A	0.00	0.00	0.00	0.00
Treatment B	10.49	0.00	4.37	0.00
Treatment C	0.00	0.00	0.00	0.00
Treatment D	0.00	21.62	0.00	14.44
Total Q (cfs) =	10.49	21.62	4.37	14.44