



Wood and Associates

2320 E. Matthews Ave.
Suite 261
Jonesboro, Ar. 72401
(501)-972-8335

July 31, 1989

Troy Sheets Surveying
500 W. Monroe
Jonesboro, Ar. 72401

Attn.: Mr. Troy Sheets

Re: Sonic - Johnson Ave.
Jonesboro, Ar.
Drainage Capacities

Dear Mr. Sheets,

The total runoff for the above referenced site is 4.1cfs at the southeast corner of the property. 2.5cfs of the total is from the west & south sections of the site draining into a swale from the parking area to a drop inlet at the southeast corner. 1.6cfs of the total is from the east section of the site & the west half of Ligget St. along the property. The capacity of runoff the curb has along Ligget St. is 4.0cfs (with only 1/2 of the west side of the street being covered with water). Therefore, since the runoff onto Ligget St. from the site is less than the street's capacity no storm drain would be necessary from Johnson Ave. to the entrance on Ligget St.

The capacity of an 18" RCP culvert with a minimum slope for self cleaning is 8.8cfs. Therefore, an 18" pipe would be adequate for drainage along Ligget St. at the south property line.

If further information is required please contact me.

Sincerely,

Carlos Wood
CARLOS WOOD, P.E.

CW/paw



**ARKANSAS STATE HIGHWAY
AND TRANSPORTATION DEPARTMENT**
DISTRICT TEN

U.S. 412 WEST • POST OFFICE BOX 98 • PARAGOULD, ARKANSAS 72451 • 501/239-9511
CLAY - CRAIGHEAD - GREENE - LAWRENCE - MISSISSIPPI - POINSETT - RANDOLPH

August 8, 1989

Mr. Troy Sheets
P.O. Box 1672
Jonesboro, Arkansas 72403

Dear Mr. Sheets:

This letter is in response to our on-site meeting of July 20, 1989 on U.S. 49B (Johnson Avenue) at the site of a new proposed Sonic Drive In near the intersection of Liggett Street at Jonesboro in Craighead County with the following given.

1. That a concrete or asphalt swale can be constructed and/or maintained across the proposed site within the highway right of way for drainage purposes.
2. That a R.C. Junction Box be constructed on the west end of existing side drian culvert at the easterly property line of proposed site to allow drainage from swale to enter into.

If you should have any questions, please do not hesitate to contact us.

Sincerely,

John R. Porter
John R. Porter
Permit Officer

JRP/sbp