

14 March 2002

The Honorable Kevin Foy, Mayor  
Town Council of Chapel Hill  
306 N. Columbia Street  
Chapel Hill NC 27516

Dear Mr. Mayor and Members of Council:

The Chandler's Green Homeowners' Association offers the following petition for consideration by the Town Council at its business meeting on 25 March 2002.

In the past year, after the extension of Sweeten Creek Road and its connection to Perry Creek Road, which linked Chandler's Green to the adjacent neighborhoods of Silver Creek and Springcrest, the residents of Chandler's Green have noticed a significant increase in traffic through our neighborhood. More importantly, we have observed a high incidence of vehicles traveling at speeds well in excess of the speed limit (25 mph) and we are concerned for the safety of our neighborhood and its children.

At our request, the Town Engineering Office conducted a traffic survey in our neighborhood in September of 2001, and found a significant speeding problem (see exhibit A, the Town Engineer's report). After several meetings with Mr. Neppalli, a plan for traffic calming in our neighborhood has been developed. This is described in Mr. Neppalli's report to us on 30 January 2002 (exhibit B) and schematically represented on a site map of Chandler's Green neighborhood (exhibit C).

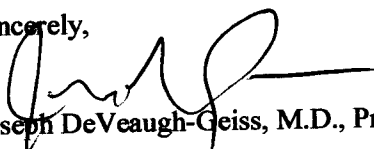
In brief, it recommends the installation of three speed humps, and a traffic circle.

The residents of Chandler's Green reviewed and approved, at the Annual meeting of the Homeowners' Association in November 2001, the implementation of traffic calming measures for our neighborhood.

We now petition the Town Council for approval of this plan, and for the allocation of funds to implement these changes. The Chandler's Green Homeowners' Association will consider a cost sharing arrangement in order to implement these important safety measures in our neighborhood.

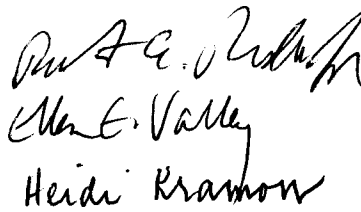
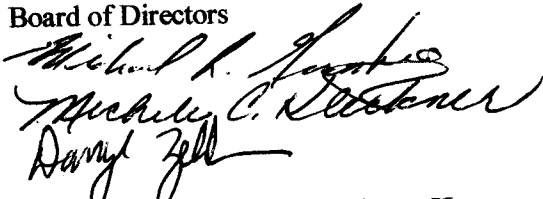
Thank you for your consideration of this petition and we thank you in advance for what we hope will be a favorable decision and action upon this request.

Sincerely,



Joseph DeVeough-Geiss, M.D., President

Board of Directors



On Behalf of the Chandler's Green Homeowners' Association



## TOWN OF CHAPEL HILL

October 23, 2001

Mr. Darryl Zeldin  
4004 Sweeten Creek Road  
Chapel Hill, N.C. 27514

Dear Mr. Zeldin:

The Town staff met several representatives of the Chandler's Green Neighborhood on June 5, 2001 to discuss the traffic concerns on Sweeten Creek Road. The Town staff agreed to conduct a traffic study in September of this year. Town staff also agreed to provide information on possible traffic calming devices. This information was sent to Ms. Dana Cattani in June of this year.

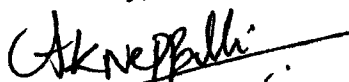
The Town completed the traffic study during the week of September 24 and presented a summary of the results at each location in the attached table. I have faxed the summary table to you as per your request. Detailed studies are also attached for your information. A quick summary of traffic study results are provided below:

- Traffic volume on weekdays: 600 – 850 vehicles/day, Average: 725 vehicles/day
- Traffic volume on weekends: 300 – 670 vehicles/day, Average: 500 vehicles/day
- Average speed: 26 to 29 mph
- 85 % speed: 32 – 34 mph
- Highest speed: 40 – 55 mph

Traffic volumes are well below the capacity of Sweeten Creek Road and are typical for similar streets in other parts of the community. Although a portion of the traffic on Sweeten Creek Road includes vehicles from outside the Chandler's Green neighborhood, the total traffic volume do not suggest excessive cut-through traffic problem. Speeding appears to be a problem on Sweeten Creek Road, however, the observed speeds are not unusual on a street like Sweeten Creek Road due to the geometric conditions. It is possible that traffic calming measures could address this problem. Town staff will be attending the association meeting on Wednesday, October 24 at 7:00 pm to discuss these results.

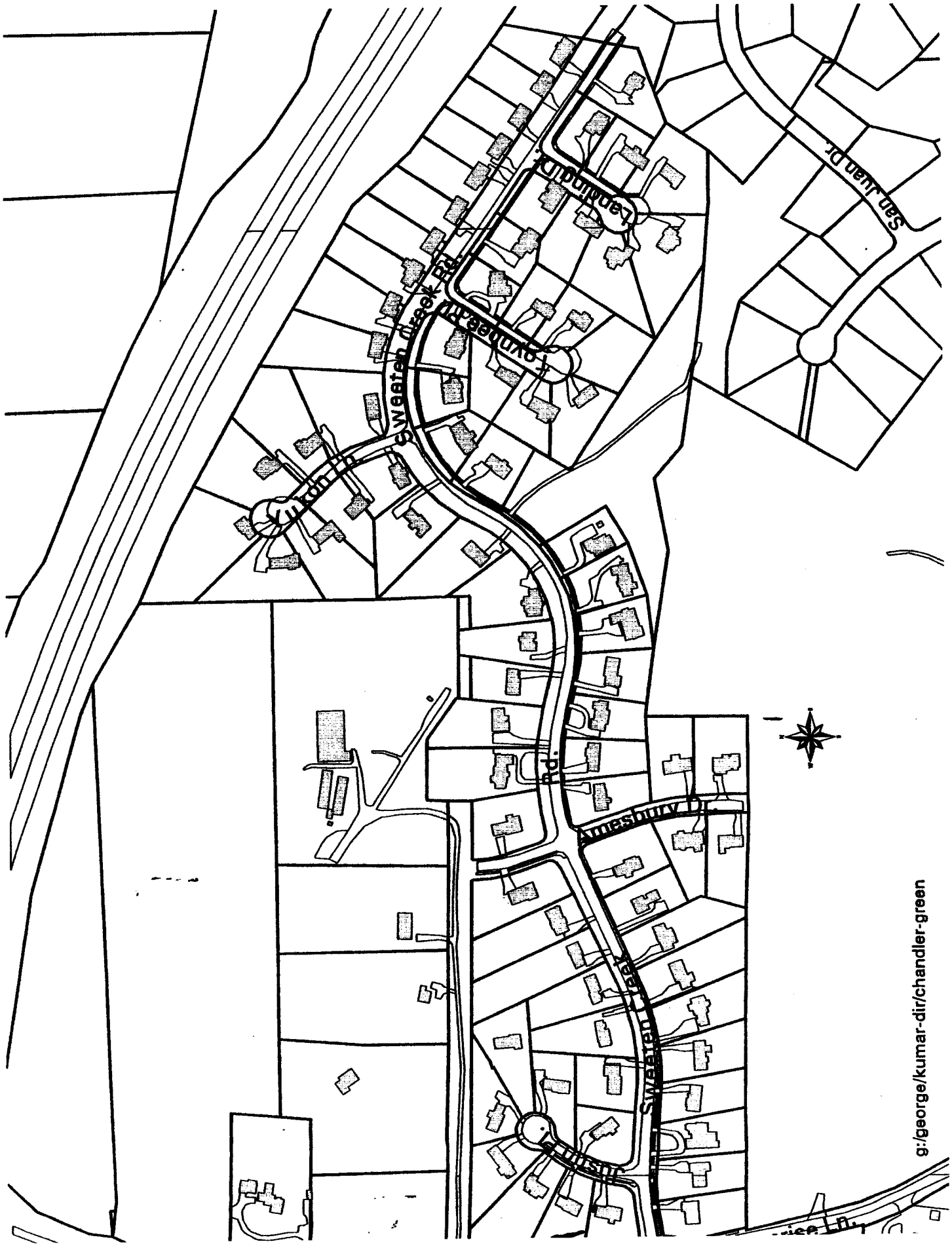
If you have any questions, please feel free to call me at 968-2833.

Sincerely,

  
Kumar Neppalli, E.I.T.  
Traffic Engineer

**CC: Cal Horton, Town Manager  
George Small, P.E., Director of Engineering**

**Attachments: Vicinity Map  
Traffic Studies**



g:/george/kumar-dir/chandler-green

## TRAFFIC STUDIES ON SWEETEN CREEK ROAD

Location	Traffic Volume	Average Speed (mph)	85% Speed (mph)	Highest Speed (mph)
<b>1. Near Justin Place</b>				
Wednesday, 09/26/01	841	28	34	55
Thursday, 09/27/01	842	28	33	45
Friday, 09/28/01	795	28	33	45
Saturday, 09/29/01	674	28	33	45
Sunday, 09/30/01	661	28	34	> 55
<b>2. 3708 Sweeten Creek Rd</b>				
Wednesday, 09/26/01	762	29	34	> 55
Thursday, 09/27/01	782	28	34	50
Friday, 09/28/01	740	28	34	45
Saturday, 09/29/01	613	29	34	50
Sunday, 09/30/01	603	28	34	45
<b>3. 3812 Sweeten Creek Rd</b>				
Wednesday, 09/26/01	616	29	34	45
Thursday, 09/27/01	637	28	34	45
Friday, 09/28/01	617	28	34	45
Saturday, 09/29/01	537	28	34	55
Sunday, 09/30/01	513	28	34	50
<b>4. 4002 Sweeten Creek Rd</b>				
Wednesday, 09/26/01	437	26	33	50
Thursday, 09/27/01	420	25	32	45
Friday, 09/28/01	395	26	33	45
Saturday, 09/29/01	355	26	33	45
Sunday, 09/30/01	307	26	33	45

**From:** Kumar Neppalli [mailto:kneppalli@townofchapelhill.org]  
**Sent:** Wednesday, January 30, 2002 1:51 PM  
**To:** Zeldin@niehs.nih.gov  
**Cc:** George Small; Sonna Loewenthal; Cal Horton; Joyce Smith  
**Subject:** Traffic Calming Plan on Sweeten Creek Road

Dear Mr. Zeldin,

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This is in confirmation of our discussions last night at the Chandler's Green Neighborhood meeting. Neighborhood selected a traffic calming plan for Sweeten Creek Road based on the speed studies and recommendations by the Town staff. The plan consist of the following calming devices:

1. 3 speed humps
  - one between Amesbury Drive and Justin Place
  - one between Amesbury Drive and Yukon Lane
  - one between Landing Drive and Toynbee Place
  
2. Traffic Circle at the intersection of Sweeten Creek Road and Amesbury Lane

The exact location of speed humps still needs to be determined based on the Engineering Principles. The total estimated cost to implement the plan is approximately \$12,500. Town staff informed that existing funding for traffic calming was allocated to several neighborhoods and no funding available in the current budget year. Homeowners Association agree to petition Town Council on funding source with a cost sharing plan.

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I checked the Town Council meetings schedule and their Budget work session schedule. The first public forum on next year budget was held last night. Petitions may not be accepted by regular citizens in the Budget work sessions. If neighborhood decides to petition the Council, I suggest that you do that at one of their regular meetings to get the funding request into the overall budget packet. I have provided below the scheduled Council regular business meetings from February and March:

- February 11, 2002
- February 25, 2002
- March 4, 2002
- March 25, 2002

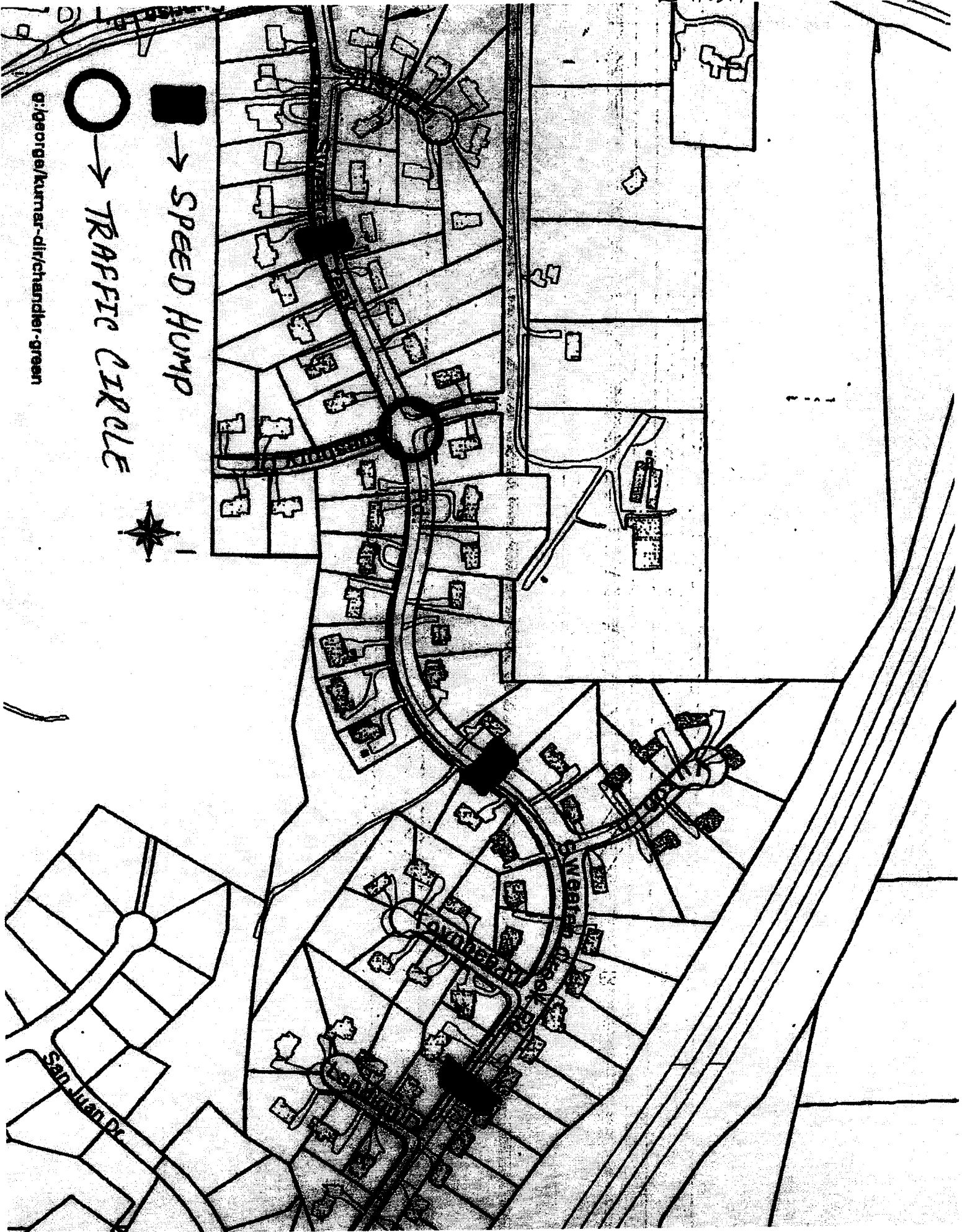
You can call Ms. Joyce Smith, Town Clerk (Ph: 968-2743) or me to discuss the procedure on how to petition Council.

If you need additional information, please let me know. Thank you and I enjoyed the discussion last night.

Sincerely,

***Kumar Neppalli, E.I.T.***  
Traffic Engineer  
Town of Chapel Hill  
306 N. Columbia Street  
Chapel Hill, NC 27516-2124

Tel: (919) 968-2888 ext. 256  
FAX: (919) 967-8406  
E-mail: [kneppalli@townofchapelhill.org](mailto:kneppalli@townofchapelhill.org)



 → SPEED HUMP  
 → TRAFFIC CIRCLE



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SANTO JUAN DR.