



# Bleck Engineering Company Inc.

professional engineers

April 14, 1976

Mr. Martin L. Cassell, Chairman  
Plan Commission  
Village of Barrington Hills  
112 Algonquin Road  
Barrington, Illinois 60010

Re: Private Roads

Dear Mr. Cassell:

Pursuant to the request of Mr. Sydney Craig, we recommend the following standards be adopted for all private road improvements within the Village of Barrington Hills.

1. Surface - 18 feet wide Aggregate Surface Course, 8" thick.
2. Shoulders - 4 feet wide earth shoulder on each side of surface.
3. Ditches - 2 feet deep below the edge of shoulder with minimum 3:1 slopes on the street side and 1½:1 slopes on the property side.
4. Requirements for the following to be the same as a public road as set forth in the subdivision ordinance.
  - a. Specifications
  - b. Minimum centerline radius
  - c. Minimum and maximum centerline gradients
  - d. Vertical curves
  - e. Pavement crown

If you have any questions on the above standards, please call.

Yours truly,

BLECK ENGINEERING CO., INC.

  
R. E. Lenzini, P.E.

cc: Barbara P. Hansen  
Sydney G. Craig  
civil / municipal / streets / highways / sewers / waterworks

850 South Green Bay Rd./Waukegan, Illinois/60085 (312) 244-2700

*Mark  
Cassell*

# Bleck Engineering Company Inc.

professional engineers

September 30, 1976

Mr. Lawrence Galloway  
Route 2, Box 157 G  
Barrington, Illinois 60010

Re: Private Roads

Dear Mr. Galloway:

We have reviewed the draft report on Private Road Standards and find it substantially the same as standards set forth in our letter of April 14, 1976. In addition, we offer the following statements for your consideration and perhaps insertion in the final report.

1. That even though the Village has set minimum standards for the road, the road remains private and the Village is not responsible for any required maintenance.
2. That if the owners of the property fronting on the private road ever decide to dedicate right of way for a public road, the existing road shall be improved to the standards required for public roads by the Subdivision Ordinance being used and enforced at the time of the request.
3. That the Village accepts no public liability or any other liability for the road. (This should be checked with Sid Craig, Village Attorney, for legality).
4. That these standards apply only to subdivisions requiring approval by the Village.
5. That installation of private roads be limited to subdivisions of 2 to 5 tracts in size (or some other limiting amount you may select) and lots of 5 acres minimum area.

If you have further questions on this matter, please call.

Yours truly,

BLECK ENGINEERING CO., INC.

*R. E. Lenzini*

R. E. Lenzini, P. E.



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Mr Martin Cassell, Chairman  
and members of the Plan Commission  
Barrington Hills

Report on proposed road standards

The Committee appointed to study the problems associated with private roads has the following to report.

For the purposes of this report we choose to define a private drive as one that leads to one residence and associated buildings.

Further, we define a private road as one that serves two or more residences.

With the above in mind, we find that control of private drives by the Village involves too many problems and is not practical. The control of private roads, on the other hand does become the responsibility of the Village on all future "Real Estate Developments". Therefore our recommendations, when accepted should become a part of the Real Estate Ordinance.

The results of our study has emphasized the importance to the Village of the following in establishing standards for roads:

1. Positive drainage away from the road
2. Adequate base for road
3. Liability considerations
4. All weather roads for safety, fire and police protection.

The recommendations of the Village Engineer have been discussed with him and we see them as acceptable as below. (The Village Attorney should review them also, we believe)

1. Surface- 18 feet wide Aggregate Surface course, 8 inches thick. Sub grade-
2. ~~ROAD BASE~~ base- Should be ground that is suitably drained and the road should be constructed where the base is considered adequate by soil investigations.
3. Shoulders- 4 feet wide earth shoulder on each side of the surface.
4. Ditches- 2 feet deep below the edge of the shoulder with a minimum 3:1 slopes on the street side and 1:1 slopes on the property side.
5. Requirements for the following to be the same as a public road as set forth in the sub-division ordinance.

D. VERTICAL CURVES  
E. CROWN

- a. Specifications
- b. Minimum centerline radius
- c. Minimum and maximum centerline gradients