



3-14-2022

RESPONSE TO THE CITY COMMENTS

To: County of Santa Clara. Department of Planning and Development
Subject: Response to City Comments
Energy Conservation Plan for Minor Subdivision – 450 Alum Rock

CITY COMMENTS:

10. Revise the energy conservation plan per Section C12-173.2. (e) and (f) of the County Ordinance to include shading pattern cast by all remaining and proposed vegetation exceeding, or capable of exceeding, ten feet in height and all structures on December 21 from 9:00 a.m. to 3:00 p.m. Pacific Standard Time. This requirement shall apply to structures and proposed or existing vegetation located within 150 feet and within 45 degrees of due south from any proposed south wall or south roof area. In addition, energy conservation plans shall indicate the approximate location and type of all trees, or groups of trees, exceeding, or capable of exceeding, ten feet in height that are located within 100 feet of a proposed structure

RESPONSE

Energy Conservation Plan was prepared based on drawings given to us:

1. The drawings given to us does not show "all remaining and proposed vegetation"
2. The drawings given to us does not show "structures and proposed or existing vegetation located within 150 feet and within 45 degrees"
3. The drawings given to us does not show ""proposed walls or roof"
4. "approximate location and type of trees, or group of trees"

Because the available drawings do not have any of the 4 items above we need to comply with Section C12-173.2.(e) and (f) of the County Ordinance, we applied a better way of measuring available solar energy. In electrical engineering, we do not use blobs of unusable shadows. Since blobs of shadows are just caricatures, we instead actually measure the irradiance of sun energies. When the architect is done with his design, we can extrapolate the values of energies in irradiance up or down.



SAE and Associates a member of SAE Technical Services, LLC

Would the City wants us to draw blobs of black spots or use the irradiance representing available energy? We can do both. But the architectural drawings need to be completed first.

Response prepared by:

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