



# Landmark

ENGINEERING LTD.

*dated 6-13-85*

June 7, 1985  
Project No. 2385-EB9D-27-164

Mr. Leo Schuster  
Progressive Living Structures, Inc.  
4190 N. Garfield Avenue  
Loveland, Colorado 80537

RE: Pavement thickness design for Laredo Drive in  
Casa Grande - P.U.D., Ft. Collins, CO

Dear Mr. Schuster:

As requested, this office has performed field investigation and office analysis in order to recommend pavement thickness for the subject street.

Sample material deemed representative of the street subgrade was tested in order to determine the subgrade soils 'R'-Value. The 'R'-Value determined was 10. (See enclosed test results.)

The pavement thickness design was performed in accordance with the City of Fort Collins - "Design Criteria and Standards for Streets". A Design Traffic Number of 6 was provided by the City's Traffic Engineer, Mr. Fran Toddy. The Colorado Department of Highways Design Nomograph for Flexible Pavement (Service Index 2.0) was used. Two alternate design thicknesses have been determined for your consideration.

1. 2 1/2" Hot Bituminous Pavement  
10" Aggregate Base Course, Class 5
2. 3" Hot Bituminous Pavement  
8" Aggregate Base Course, Class 5

The street subgrade is to be scarified to a minimum depth of 6 inches and recompacted to a minimum of 95% of Standard Proctor Density.

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It is not considered necessary to provide base course material under curb and gutter or sidewalk as a structural member. Minimal amounts of base course, sand or gravel may be used as a leveling course.

We sincerely hope this information will be of assistance to you. If you should have any questions, please feel free to contact this office.

Respectfully submitted,

LANDMARK ENGINEERING LTD.

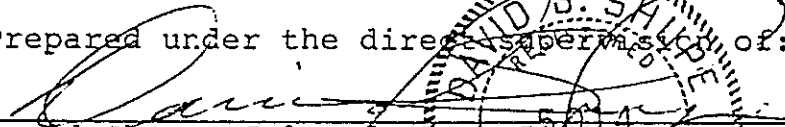


Dennis R. Messner

Enclosure

DRM/lo

Prepared under the direct supervision of:

  
David Shupe, Colorado

