

August 8, 2024

Glen Development Co.  
3 Widefield Boulevard  
Colorado Springs, CO 80911



Attn: Rudy Cross

Re: Pavement Repair Recommendations  
Pennycress Drive  
The Glen at Widefield, Filing No. 11- **PCD File No. SF204**  
El Paso County, Colorado  
Entech Job No. 222360

Dear Mr. Cross:

As requested, Entech Engineering, Inc. observed the pavement heaving and obtained samples of the subgrade soils from Pennycress Drive in the Glen at Widefield Subdivision, Filing 11, in El Paso County, Colorado. This letter provides recommendations to mitigate the heaved section.

The pavement section utilized on Pennycress Drive consisted of 5.5 inches of asphalt over 11 inches of cement treated soil. The heaved section is located adjacent to the curb on the south bound lane. At the time of our visit the asphalt had heaved 2 to 3 inches.

The cement treated soils were encountered at very high moisture contents. To repair the asphalt it is recommended that the heaved asphalt area be removed from the curb to a minimum of 18 inches beyond the heaved area. Since the area is relatively small it is not feasible to repair the section with cement treated soils. The cement treated soils should be removed to a depth of 12 inches and be replaced with Class 5 or 6 recycled concrete base.

Prior to placement of the recycled concrete base the subgrade should be observed to determine if any additional removal is necessary. Following the placement and compaction of the recycled concrete base the asphalt section should be placed. The roadway construction methods shall meet the El Paso County specifications.

We trust that this has provided you with the information you required. Entech is available to meet onsite if needed. If you have any questions or need additional information, please do not hesitate to contact us.

Respectfully Submitted,

ENTECH ENGINEERING, INC.



Joseph C. Goode, P.E.  
President

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