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December 4, 2024

Richard Mott, P.E.
Vice President of Land Development
Lennar Division Office – San Antonio
100 NE Interstate 410 Loop Suite 1150
San Antonio, Texas 78216

P: 210.403.6200
E: Richard.Mott@lennar.com

RE: Supplemental Recommendations
Spring Branch Tract – Additional Pavement Section
US 281 and FM 306
Comal County, Texas
TTL Project No. 000210900856.01

Dear Mr. Mott:

TTL, Inc. (TTL) is pleased to provide supplemental recommendations for the above referenced project. Our original report for this project (TTL Project No. 00210900856.00) was submitted on July 7, 2021. The recommendations in this letter supplement the applicable recommendations presented in our previous report.

We understand the additional information has been requested by Comal County to provide additional residential flexible pavement sections with an HMAC thickness of 3 inches. The following sections are based on the Pavement Design Considerations, Section 5.2 of the original report.

Flexible Pavement System		
Component	Residential/Local A Street	
	Pavement Material Thickness	
Subgrade Type	**Clay Subgrade**	**Rock Subgrade**
Hot Mixed Asphaltic Concrete, inches	3	3
Prime Coat	Yes	Yes
Flexible Base Course, inches	8½	6
Moisture Conditioned Subgrade	Yes	Yes[1]
Calculated Structural Number	2.51	2.16
Calculated ESALs for Design Section	111,900	679,000

[1] Shallow rock may be present over large portions of the project site. Where rock is present at the surface, moisture conditioning is not applicable.

Flexible Pavement System				
Component	Collector/Local B Street			
	Pavement Material Thickness			
Subgrade Type	Clay Subgrade		Rock Subgrade	
Hot Mixed Asphaltic Concrete, inches	3½	3	3	3
Prime Coat	Yes	Yes	Yes	Yes
Flexible Base Course, inches	17½	10½	9½	6
GeoGrid Tensar TriAx, Tx5 or equivalent	—	Yes	—	Yes
Moisture Conditioned Subgrade	Yes	Yes	Yes[1]	Yes[1]
Calculated Structural Number	3.99	3.93	2.65	3.07
Calculated ESALs for Design Section	1,119,200	1,015,200	1,129,700	1,472,200

[1] Shallow rock may be present over large portions of the project site. Where rock is present at the surface, moisture conditioning is not applicable.

TTL appreciates the opportunity to provide the supplemental recommendations contained in this letter and look forward to continued participation during the construction phase of this project. If you have any questions pertaining to this letter, our original report, or if we may be of further service, please contact us.

Respectfully submitted,
TTL, Inc.

12-4-24

STATE OF TEXAS
ANTHONY F. ADAMO
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LICENSED
PROFESSIONAL ENGINEER

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