4.2 Pavement Section Recommendations

PSI anticipated that the roadways and parking areas will be used primarily by passenger vehicles and delivery vehicles. PSI is providing parking and drive area sections based on experience with similar facilities constructed on similar soil conditions for the design traffic loading anticipated.

4.2.1 Flexible Pavement

Recommendations for flexible asphaltic concrete pavement for roadways and parking areas are provided below.

Figure 4.1: Flexible Pavement Typical Section

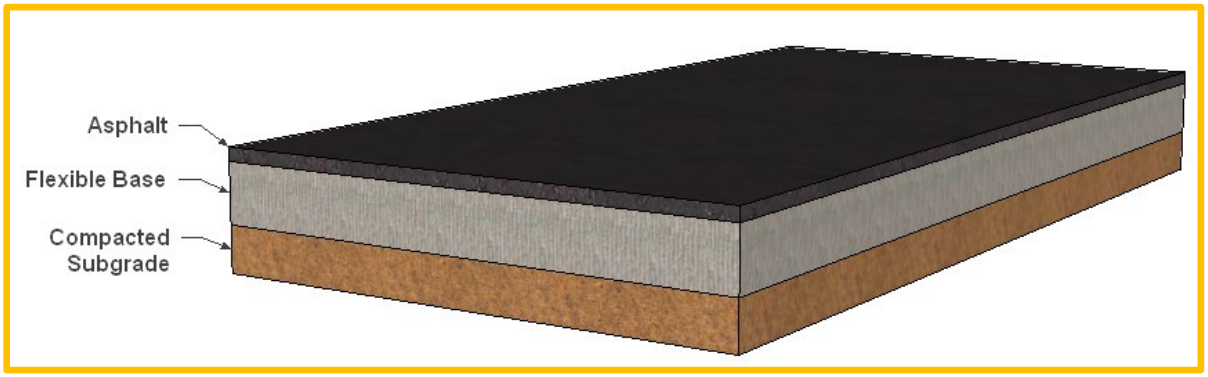

Table 4.3: Flexible Pavement Section Options

Material	Thicknesses		
Traffic Type	Local	Collector	Arterial
Hot Mix Asphaltic Concrete	3”	4”	5”
Import Flexible Base	12”	15”	18”
Compacted Subgrade[1, 2]		8”	

1. Lime treatment of subgrade to a depth of 8-inches will be required for subgrade with a PI greater than 20.
2. Clay subgrade may be stabilized using 6% lime if compaction is not achieved using moisture conditioning.

4.2.2 General Pavement Design and Construction Recommendations

Table 4.4: Pavement Design and Construction Recommendations

Minimum Undercut Depth	6 inches or as needed to remove roots
Low-Density Soil Treatment	**After clearing and grubbing, remove/replace upper 12 inches of exposed soils in maximum 9-inch loose lifts. moisture-condition and compact as Subgrade in Table 4.5.**
Reuse Excavated Soils	Must be free of roots and debris and meet material requirements of intended use
Exposed Subgrade Treatment	**After moisture conditioning and recompacting the low-density subgrade soils, proof-roll with rubber-tired vehicle weighing at least 20 tons. A representative of the Geotechnical Engineer should be present during proof-roll.**