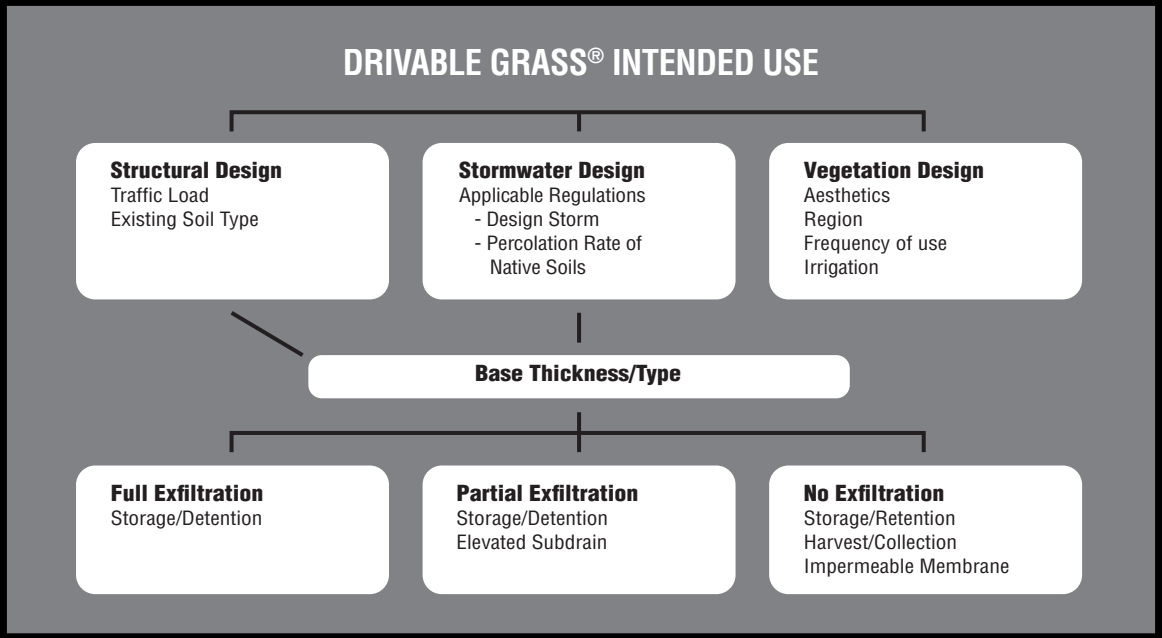Design Considerations