



### **RECOMMENDED SUBGRADE PREPARATION**

The client shall be responsible for preparing and maintaining the subgrade in a condition suitable for installation of the liner unless specifically agreed otherwise.

1. Subgrade to be lined shall be dry and smooth and free of rocks, stones, debris and roots. All fill shall consist of well graded material free of organic, trash, clay balls, sharp stones or any other material that may cause damage to the liner. The subgrade shall be compacted in accordance with design specifications but in no event below the minimum required to provide a firm unyielding foundation sufficient to permit the movement of vehicles and welding equipment over the subgrade without causing rutting or other deleterious effects. The subgrade shall have no sudden sharp or abrupt changes in grade or level.
2. It is preferred that the subgrade is rolled just prior to liner installation. If rolling is not possible it is likely that the subgrade will need to be manually stone picked and broom swept. This manual work is the responsibility of the client.
3. The client shall protect the subgrade from desiccation, flooding and freezing. Protection, if required, may consist of a thin plastic protective cover (or other material as approved by the engineer) installed over the completed subgrade until such time as the placement of geomembrane liner begins. Subgrade found to have desiccation cracks greater than 13mm in width or depth, or which exhibit swelling, heaving or other similar conditions, shall be replaced or reworked by the client to remove these defects.
4. Surface Acceptance. Upon request, MLS shall provide the Project Manager with a written acceptance of the subgrade prior to commencing installation. Subsequent repairs to the subgrade and the surface shall remain the responsibility of the client.
5. Questions regarding this document shall be directed to the Managing Director or Operations Manager of MLS.