**Section 570.APPENDIX F Recommend Effluent Transport Systems Designs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Maximum Flow\* Qf (gpm) | Minimum Slope (%) | Design Velocity (fps) | Materials | Dimensions |
| Pipe | 179 | 0.5 | 2 | PVC | 6" diam |
|  | 332 | 0.4 | 2 | PVC | 8" diam |
|  |  |  |  |  |  |
| Open Channel |  |  |  |  |  |
| Rectangular | 224 | 0.33 | 2 | Concrete, Wood, Asphalt, Aluminum | 6" x 6" |
|  |  |  |  |  |  |
| Trapazoidal | 224 | 0.37 | 2 | Concrete, Wood, Asphalt, Aluminum | b = 6"  S = 2:1  d = 3' |

Mannings Equation with n = 0.013



Pipe Rectangular Trapazoidal