**Section 570.APPENDIX A Design Procedure Outlined**

DESIGN PROCEDURE OUTLINED

1. Collect Site Specific Data

a. Types and Areas (sft) contributing drainage

b. Slope of Field Application Area (FAA) – Appendix D

c. Soil Infiltration Rate (SI) of FAA – Appendix C

2. Calculate Runoff Volume and Total Drainage Area

 Working Table in Appendix B

3. Settling Basin Design

 4.5 cft/100 sft of drainage area + 10% extra volume

 Dimensions from Appendix I

4. Field Application Area Design

 FAA = (VR x 12)/((2 x SI) - 1.69) (square feet)

 Dimensions from Appendix E

5. Calculate Flow onto Field Application Area

Flows from Appendix G

or

Qf = (.0026) (FAA) (gpm)

6. Effluent Transport System Design

 Recommended Designs from Appendix F

7. Junction Box Design

 Recommended Design from Appendix H

8. Distribution Manifold Design

 Recommended Designs from Appendix H