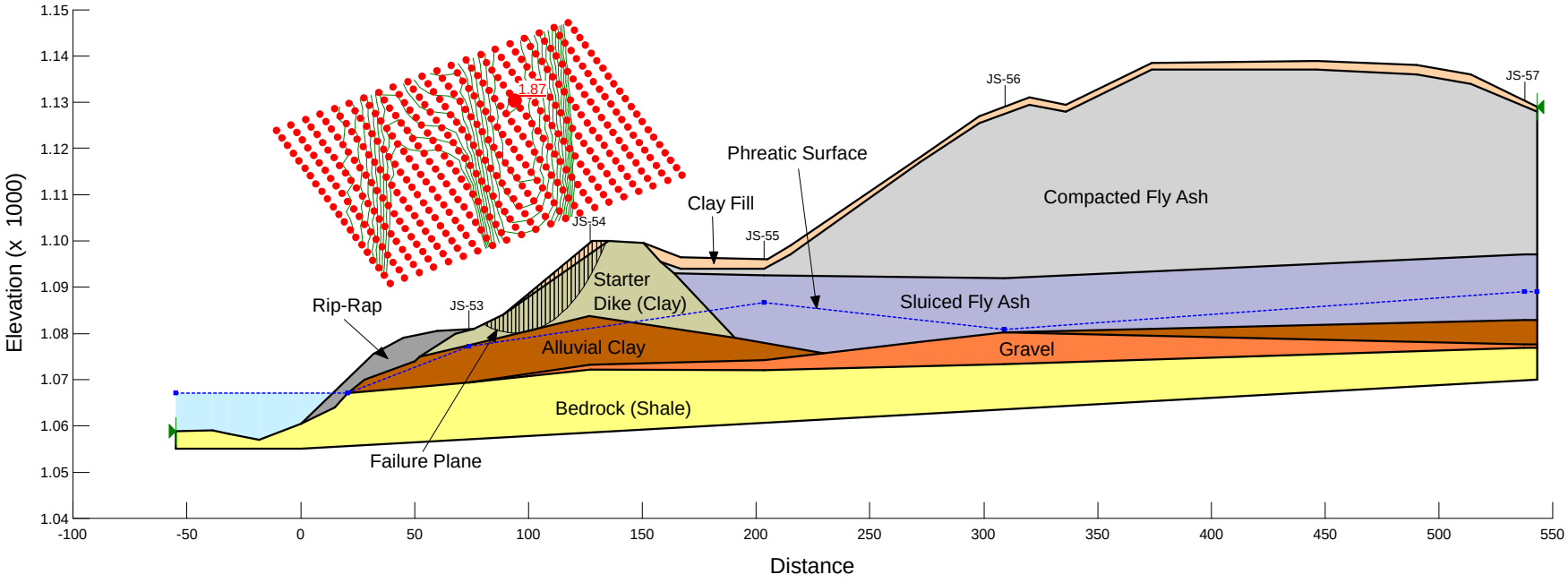
Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section A-A'
# River Pool Elevation 1067.0 ft




**Method: Spencer**

**Name: Clay Fill**
**Unit Weight: 125 pcf**
**Cohesion: 0 psf**
**Phi: 32 °**

**Name: Starter Dike (Clay)**
**Unit Weight: 126 pcf**
**Cohesion: 0 psf**
**Phi: 31 °**

**Name: Alluvial Clay**
**Unit Weight: 120 pcf**
**Cohesion: 0 psf**
**Phi: 31 °**

**Name: Compacted Fly Ash**
**Unit Weight: 110 pcf**
**Cohesion: 0 psf**
**Phi: 32 °**

**Name: Sluiced Fly Ash**
**Unit Weight: 105 pcf**
**Cohesion: 0 psf**
**Phi: 24 °**

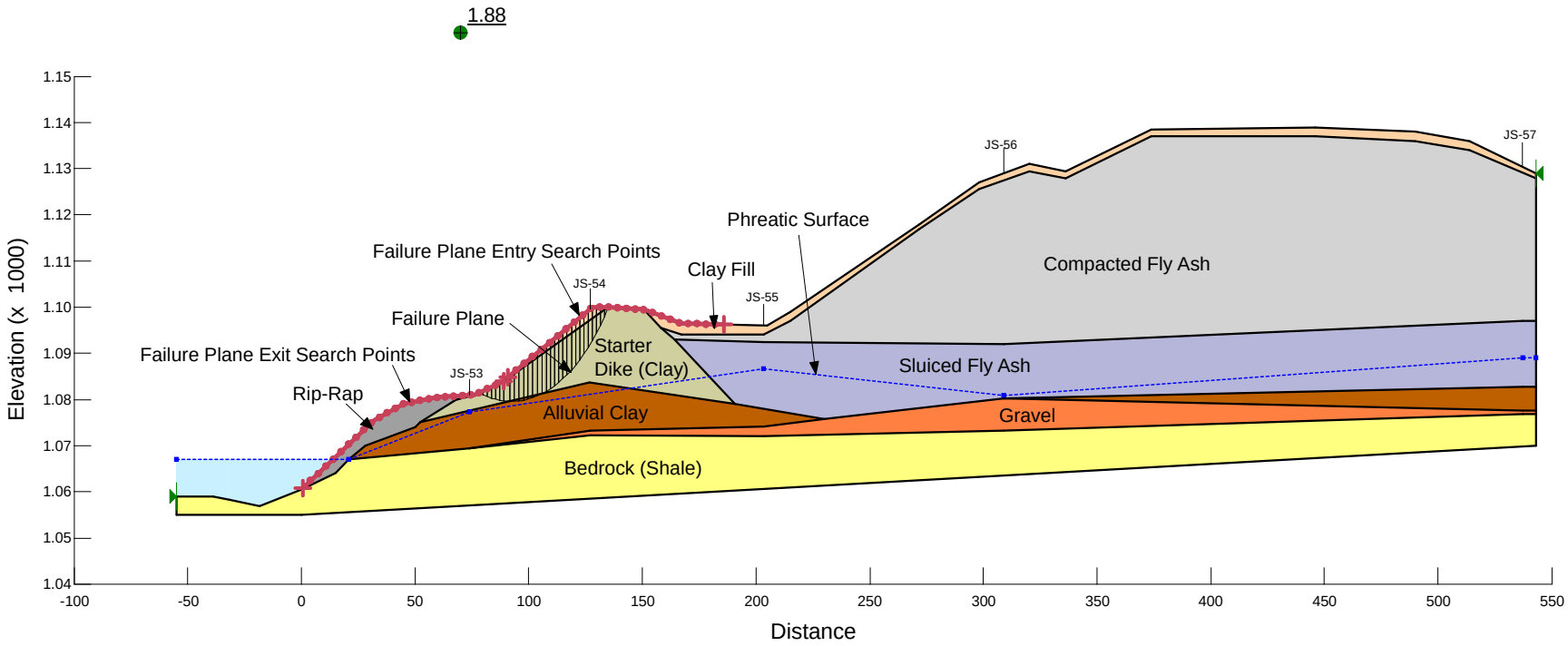
**Name: Gravel**
**Unit Weight: 137 pcf**
**Cohesion: 0 psf**
**Phi: 39 °**

**Name: Rip-Rap**
**Unit Weight: 115 pcf**
**Cohesion: 0 psf**
**Phi: 40 °**

**Name: Bedrock (Shale)**

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section A-A'
# River Pool Elevation 1067 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




**Method: Spencer**

**Name: Clay Fill**
**Unit Weight: 125 pcf**
**Cohesion: 0 psf**
**Phi: 32 °**

**Name: Starter Dike (Clay)**
**Unit Weight: 126 pcf**
**Cohesion: 0 psf**
**Phi: 31 °**

**Name: Alluvial Clay**
**Unit Weight: 120 pcf**
**Cohesion: 0 psf**
**Phi: 31 °**

**Name: Compacted Fly Ash**
**Unit Weight: 110 pcf**
**Cohesion: 0 psf**
**Phi: 32 °**

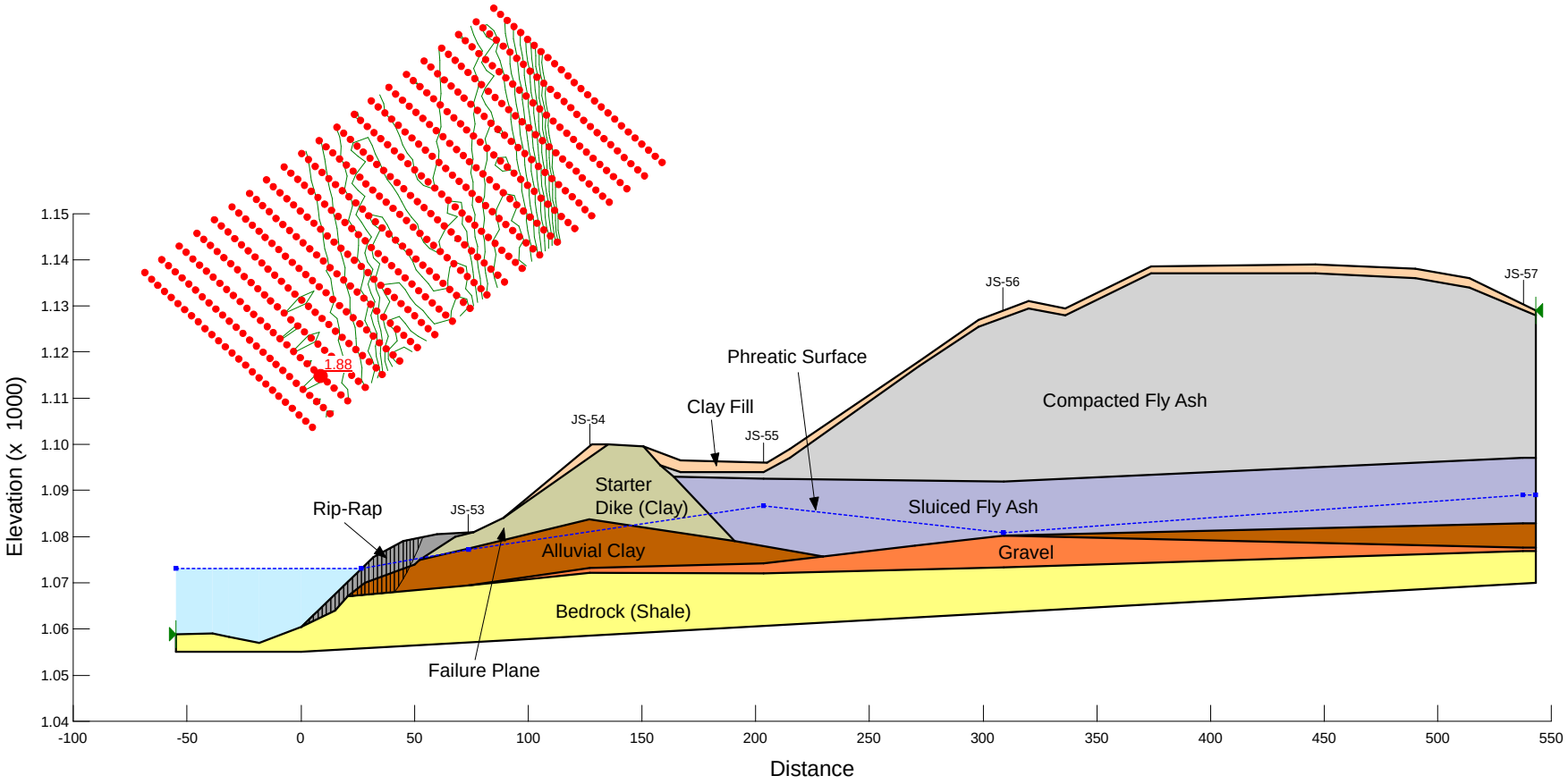
**Name: Sluiced Fly Ash**
**Unit Weight: 105 pcf**
**Cohesion: 0 psf**
**Phi: 24 °**

**Name: Gravel**
**Unit Weight: 137 pcf**
**Cohesion: 0 psf**
**Phi: 39 °**

**Name: Rip-Rap**
**Unit Weight: 115 pcf**
**Cohesion: 0 psf**
**Phi: 40 °**

**Name: Bedrock (Shale)**

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section A-A'
# River Pool Elevation 1073 ft




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

**Method: Spencer**

**Name: Clay Fill**
**Unit Weight: 125 pcf**
**Cohesion: 0 psf**
**Phi: 32 °**

**Name: Starter Dike (Clay)**
**Unit Weight: 126 pcf**
**Cohesion: 0 psf**
**Phi: 31 °**

**Name: Alluvial Clay**
**Unit Weight: 120 pcf**
**Cohesion: 0 psf**
**Phi: 31 °**

**Name: Compacted Fly Ash**
**Unit Weight: 110 pcf**
**Cohesion: 0 psf**
**Phi: 32 °**

**Name: Sluiced Fly Ash**
**Unit Weight: 105 pcf**
**Cohesion: 0 psf**
**Phi: 24 °**

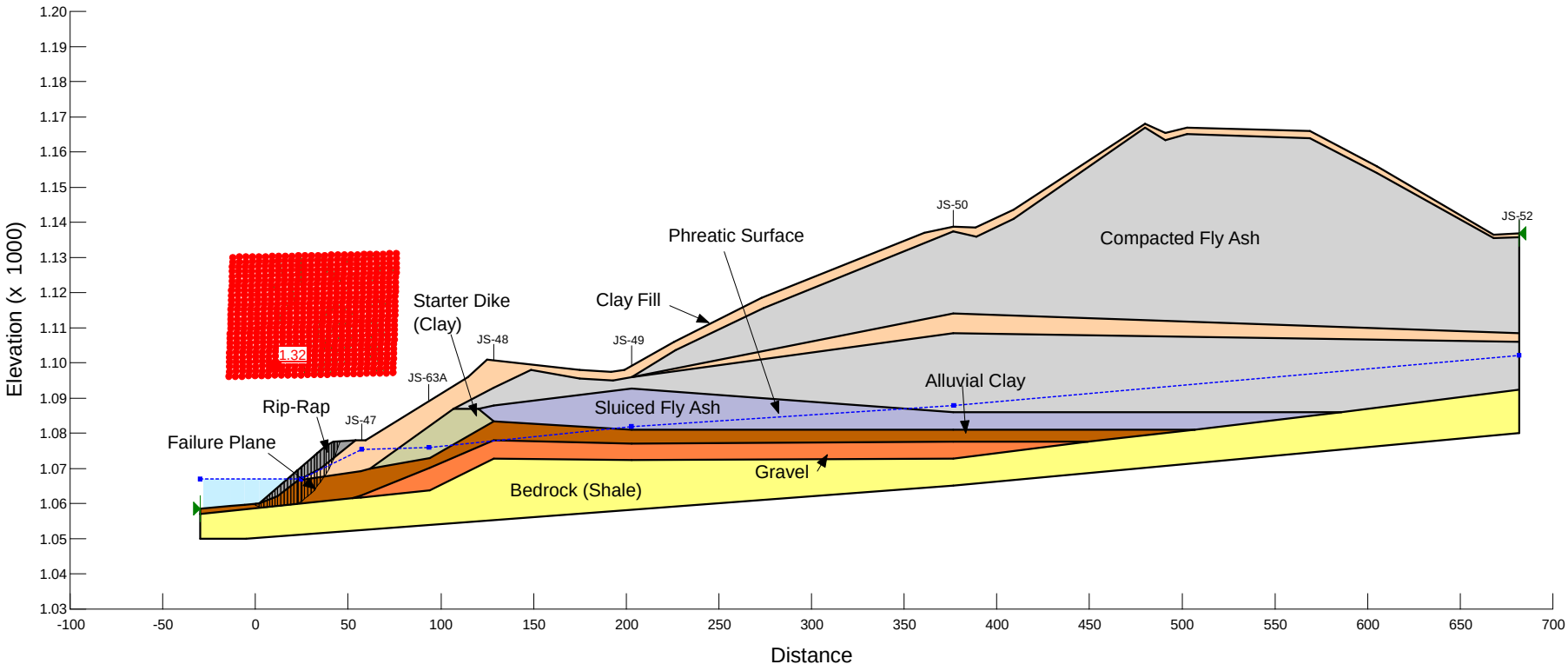
**Name: Gravel**
**Unit Weight: 137 pcf**
**Cohesion: 0 psf**
**Phi: 39 °**

**Name: Rip-Rap**
**Unit Weight: 115 pcf**
**Cohesion: 0 psf**
**Phi: 40 °**

**Name: Bedrock (Shale)**

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section B-B'
# River Pool Elevation 1067 ft




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

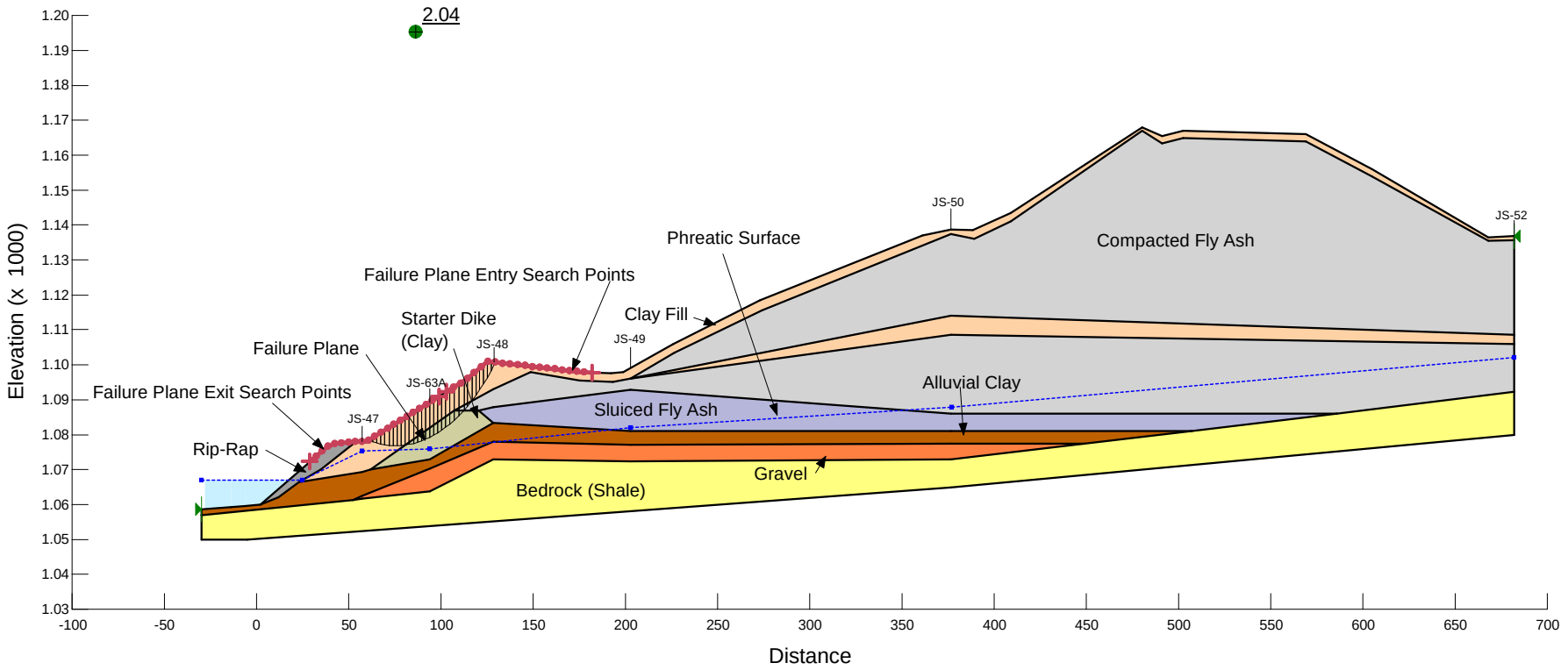
Name: Gravel
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section B-B'
# River Pool Elevation 1067'




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

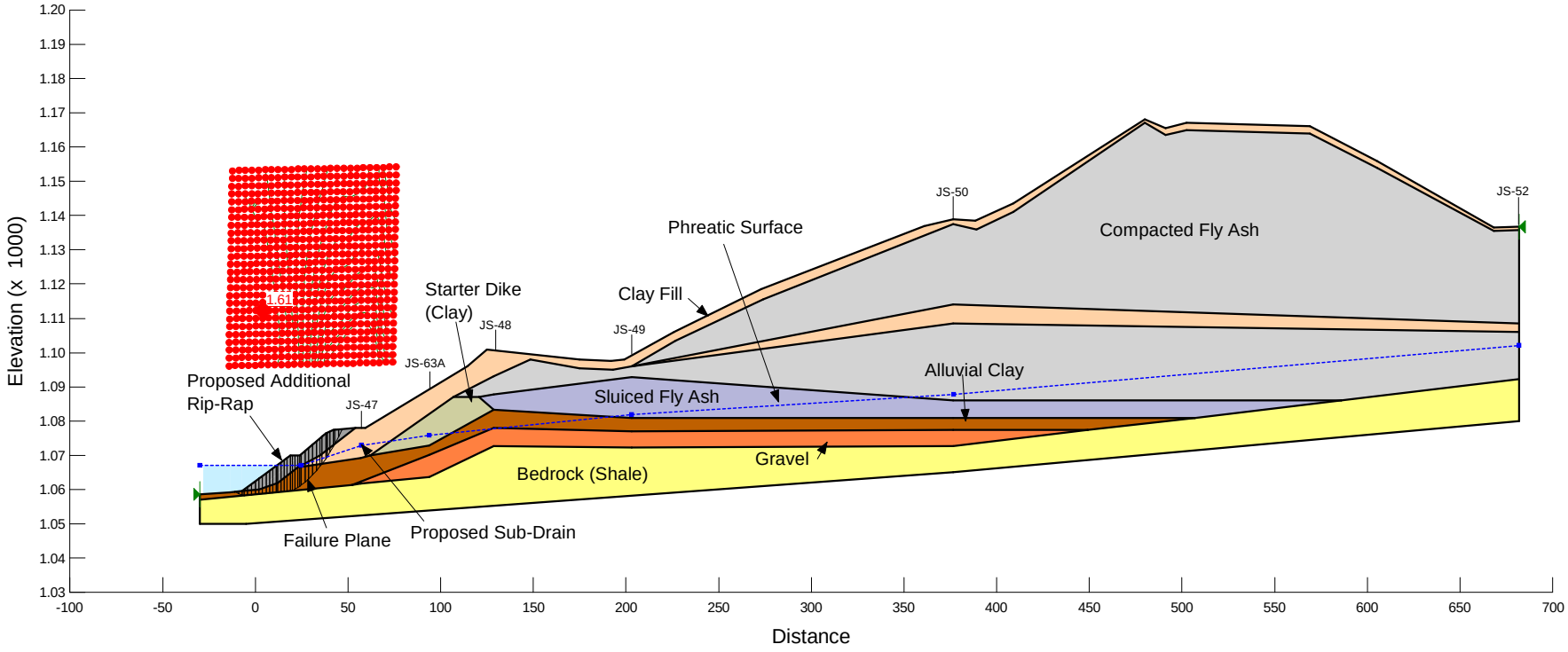
Name: Gravel
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section B-B'
# River Pool Elevation 1067 ft
# Assumed Proposed Sub-Drain System & Additional Rip-Rap




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

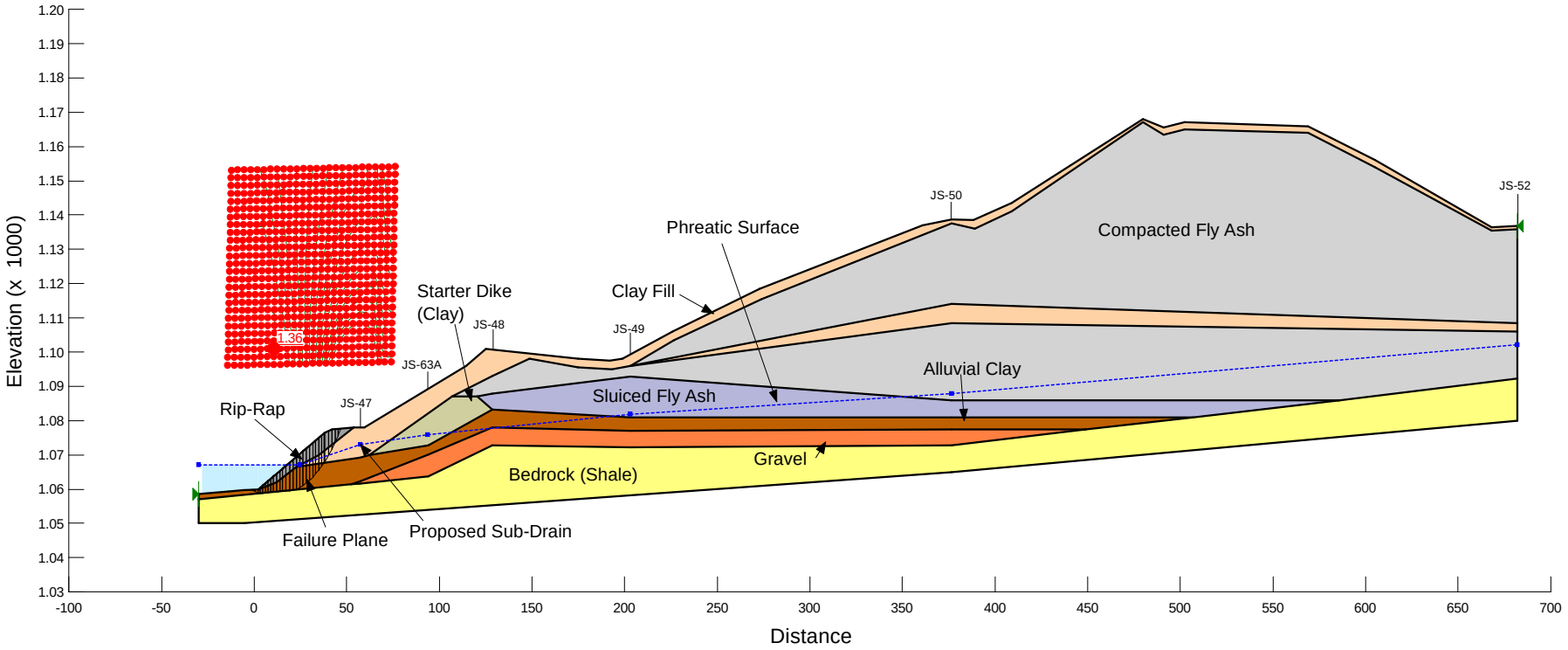
Name: Gravel
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section B-B'
# River Pool Elevation 1067 ft
# Assumed Proposed Sub-Drain System




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32 °

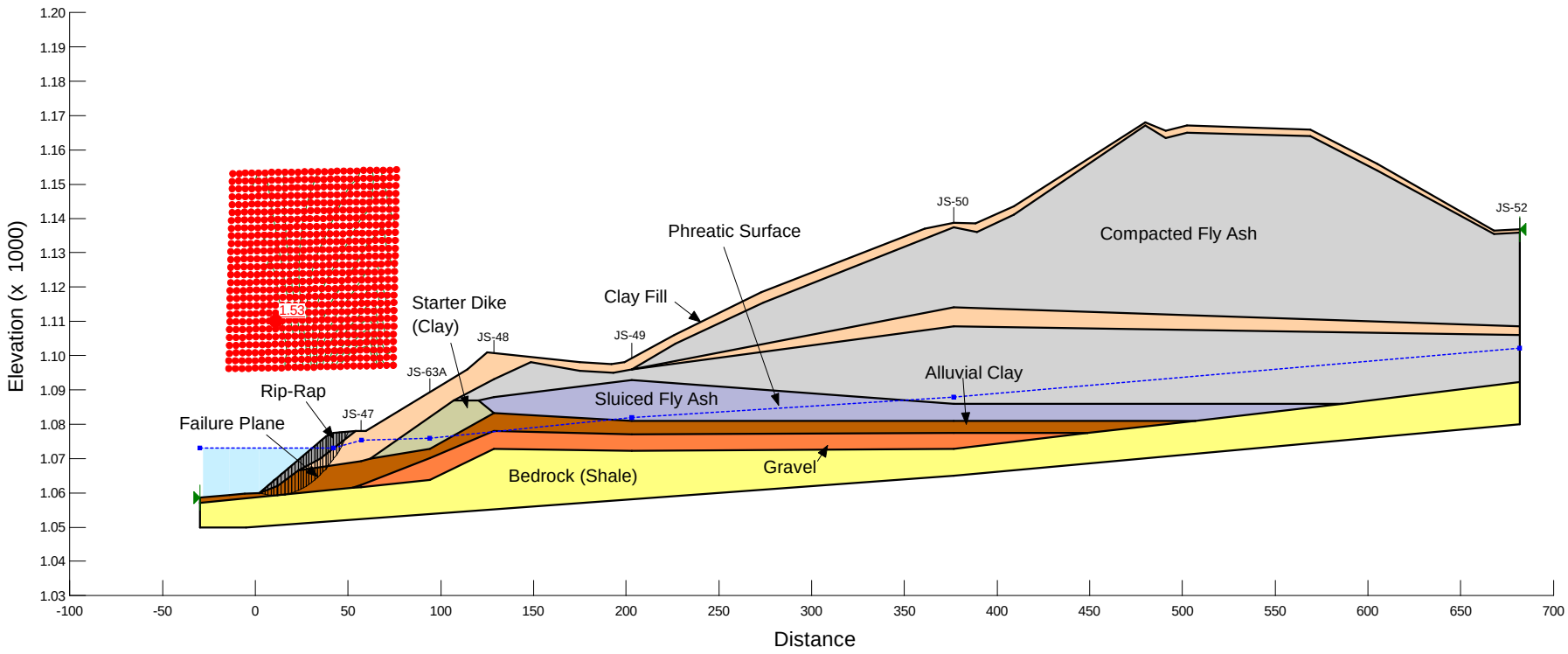
Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section B-B'
# River Pool Elevation 1073 ft




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32 °

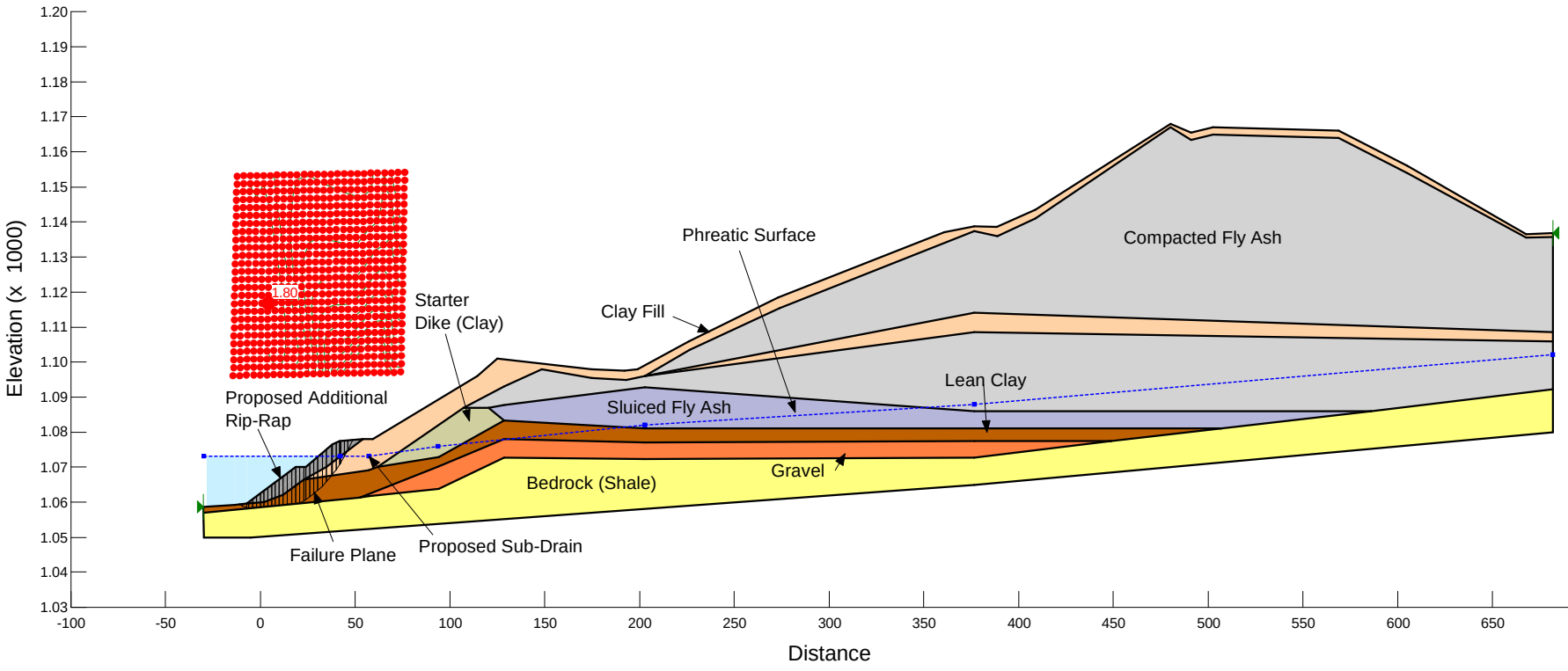
Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section B-B'
# River Pool Elevation 1073 ft
# Assumed Proposed Sub-Drain System & Additional Rip-Rap




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

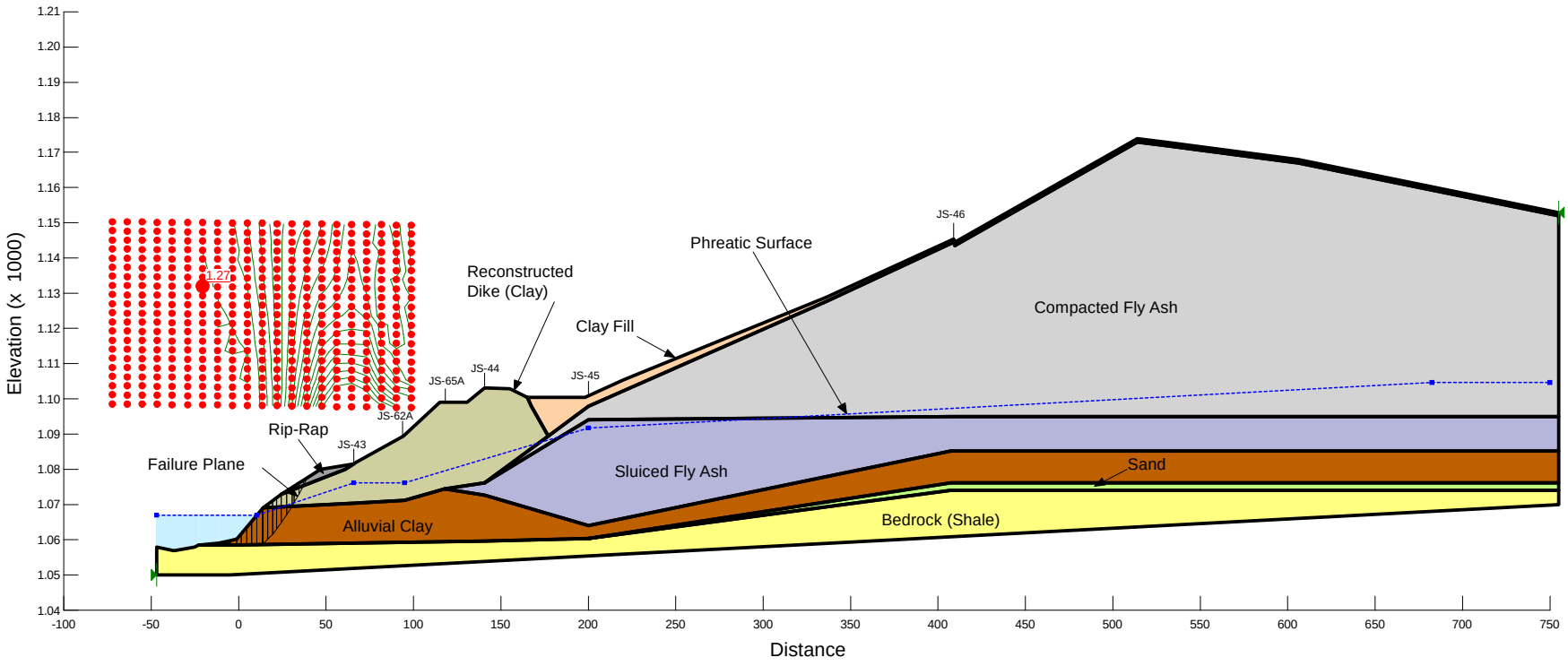
Name: Gravel
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section C-C'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Reconstructed Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

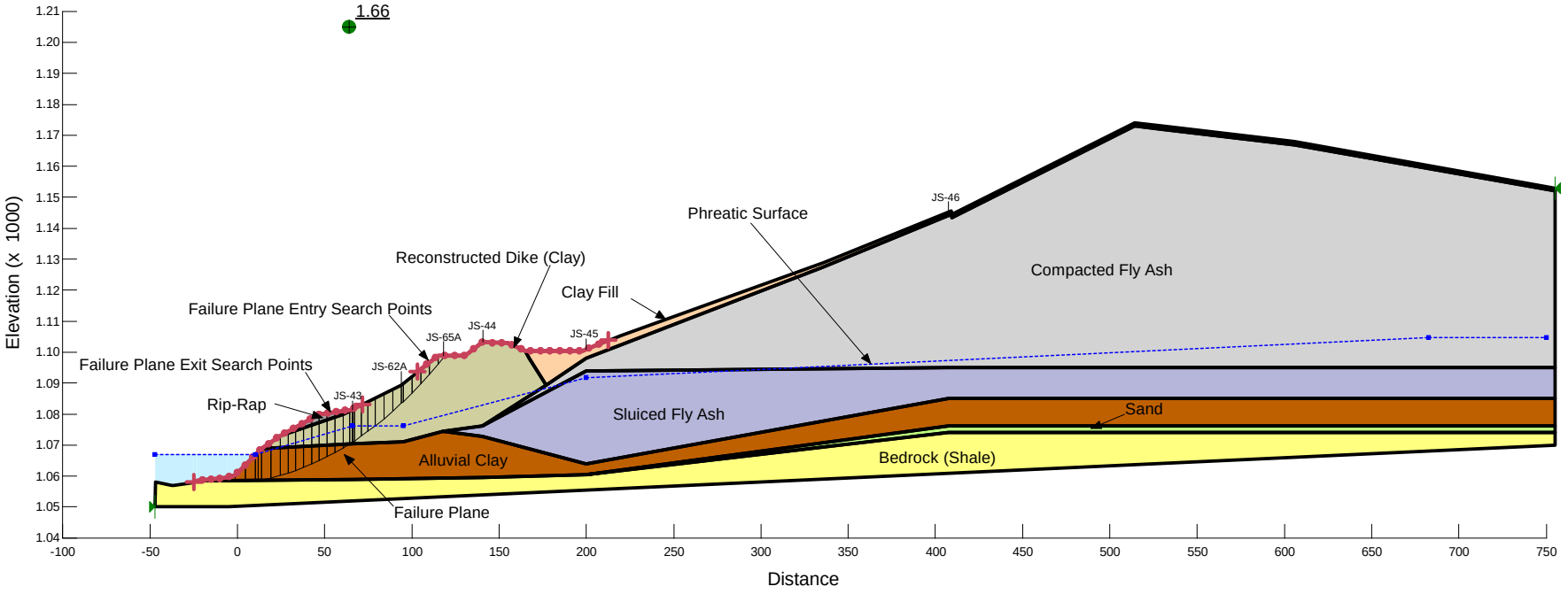
Name: Sand
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 37 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section C-C'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Reconstructed Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

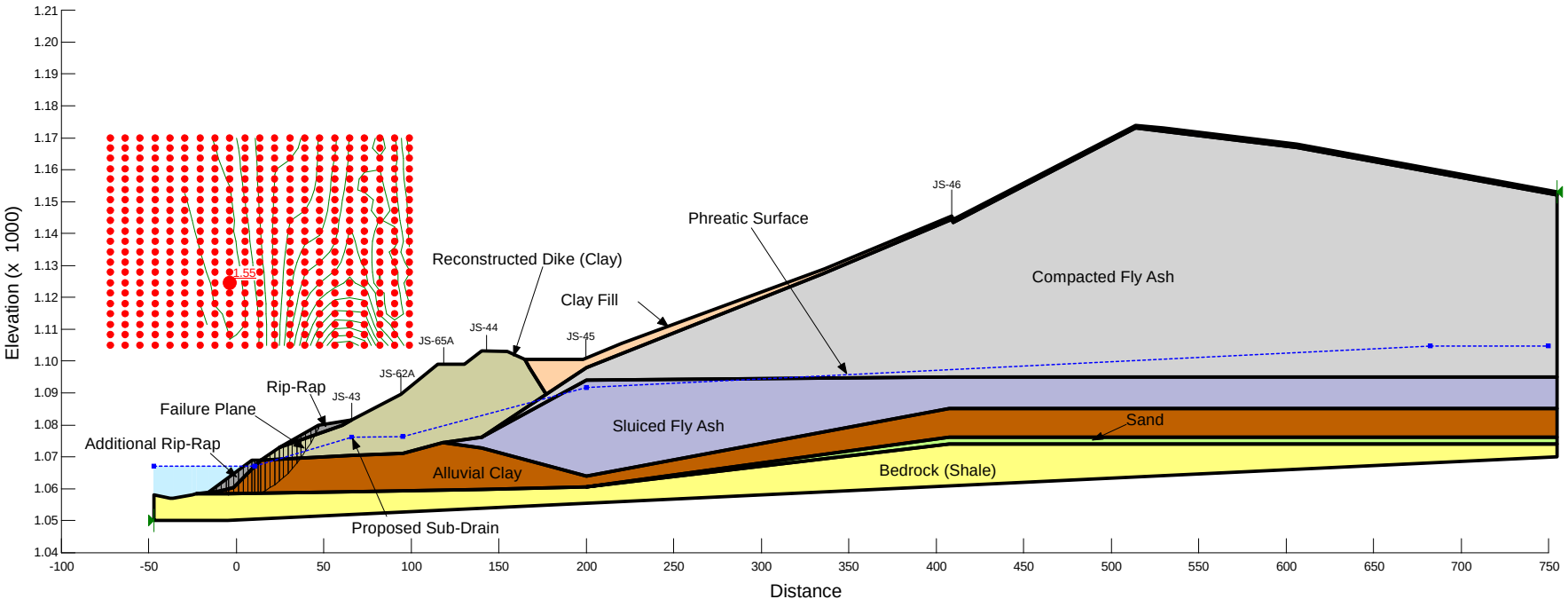
Name: Sand
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 37 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section C-C'
# River Pool Elevation 1067.0 ft
# Assumed Proposed Additional Rip-Rap and Sub-Drain System

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Reconstructed Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

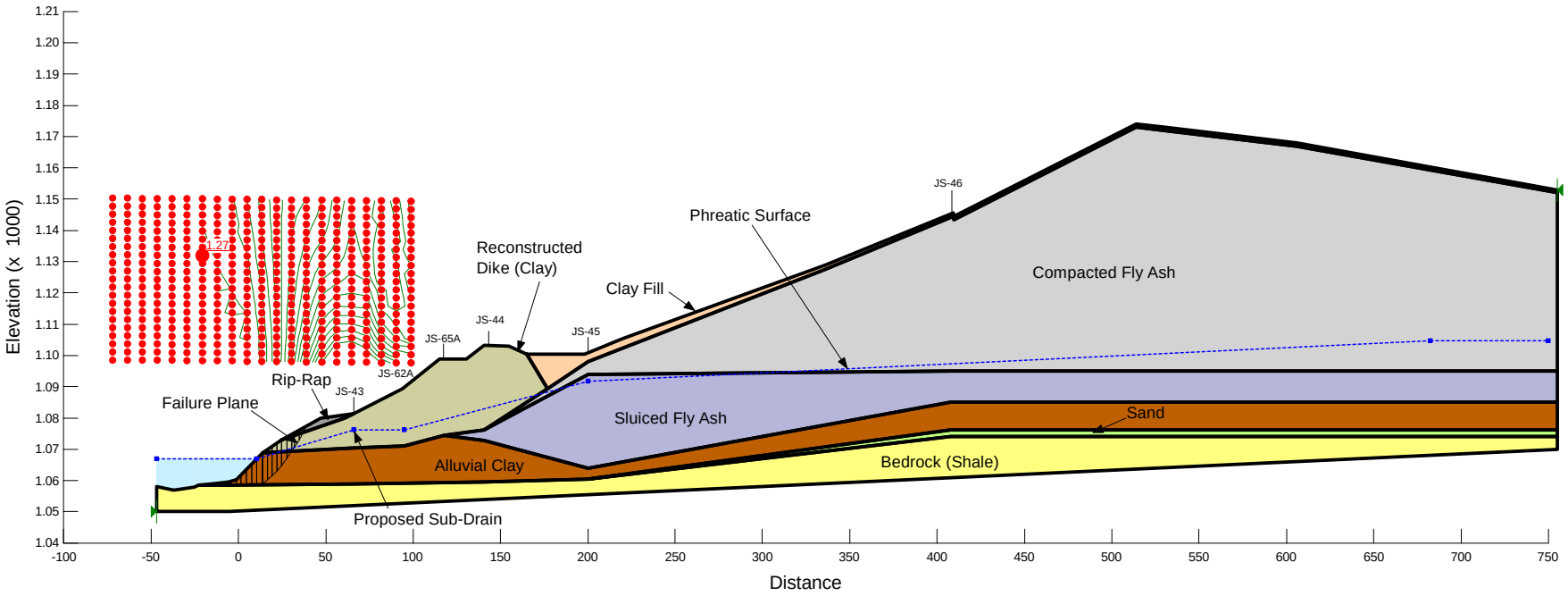
Name: Sand
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 37 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section C-C'
# River Pool Elevation 1067.0 ft
# Assumed Proposed Sub-Drain System

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Reconstructed Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

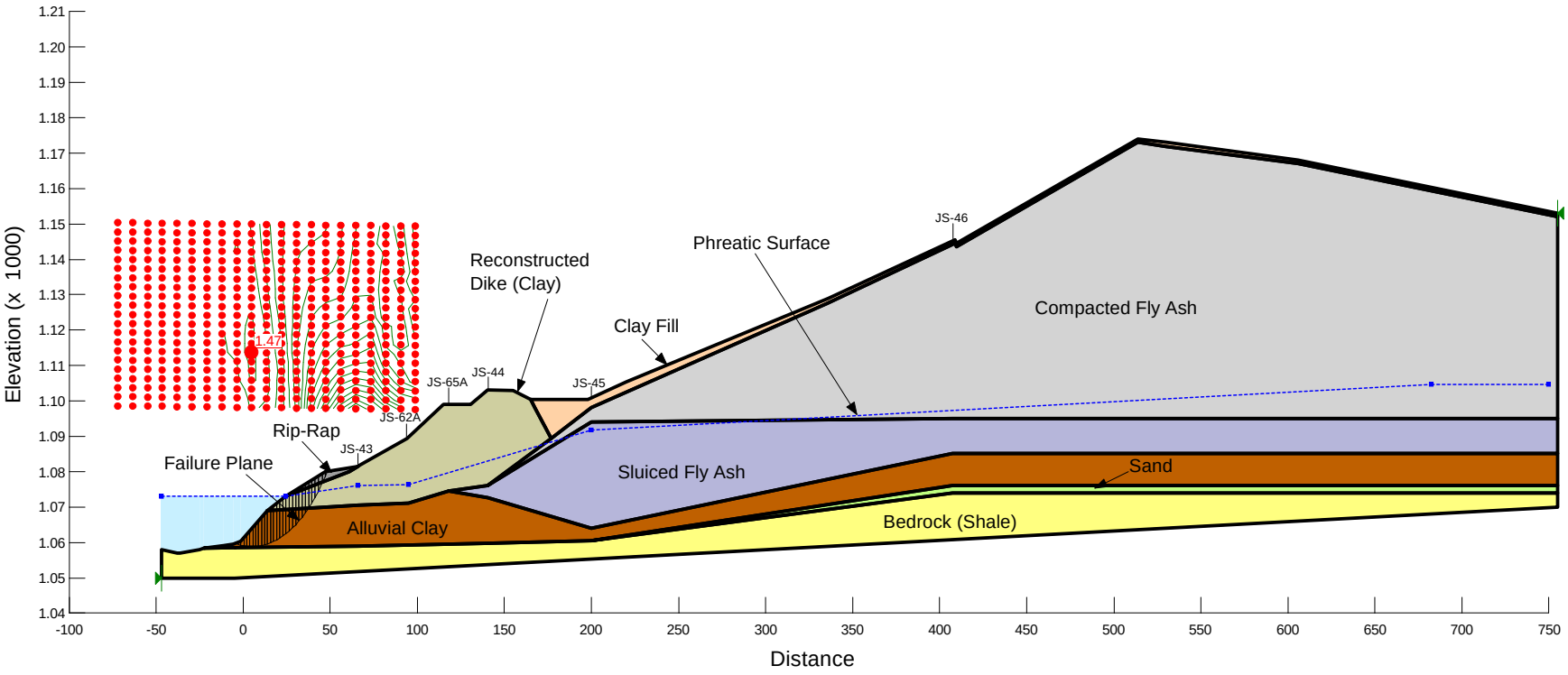
Name: Sand
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 37 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section C-C'
# River Pool Elevation 1073.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Reconstructed Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

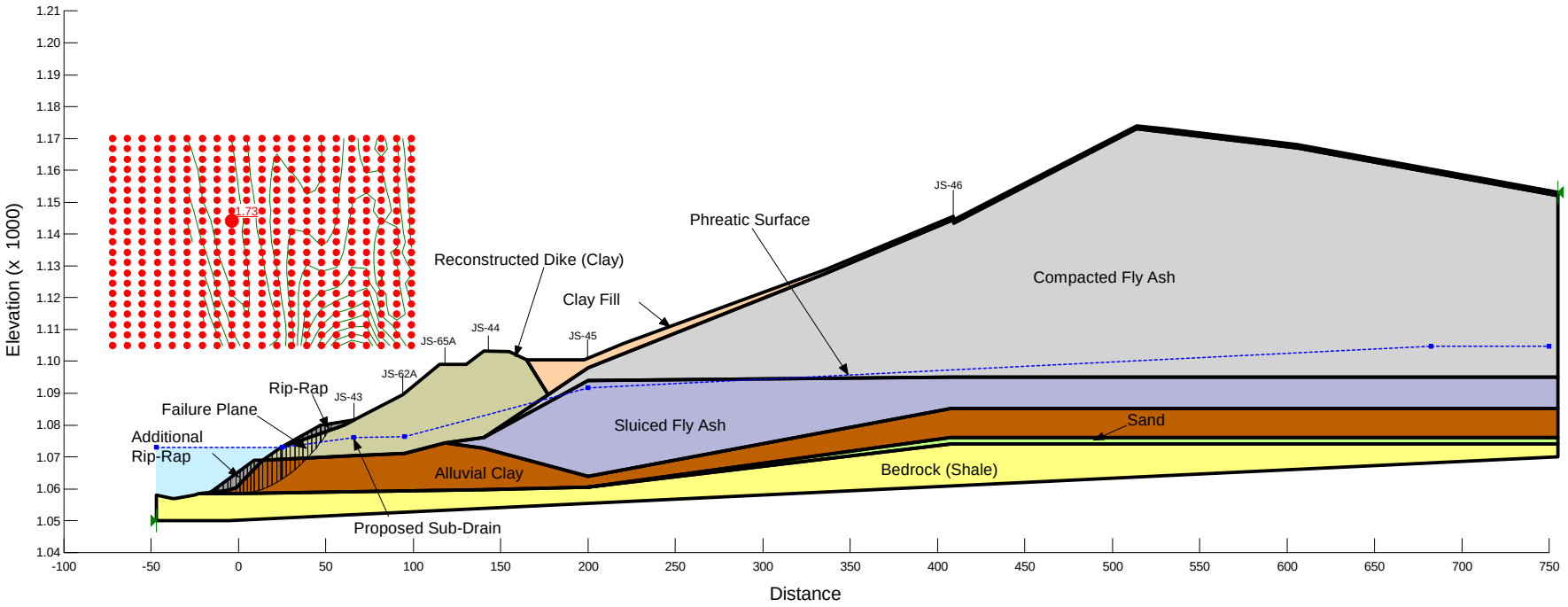
Name: Sand
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 37 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section C-C'
# River Pool Elevation 1073.0 ft
# Assumed Proposed Additional Rip-Rap and Sub-Drain System

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Reconstructed Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

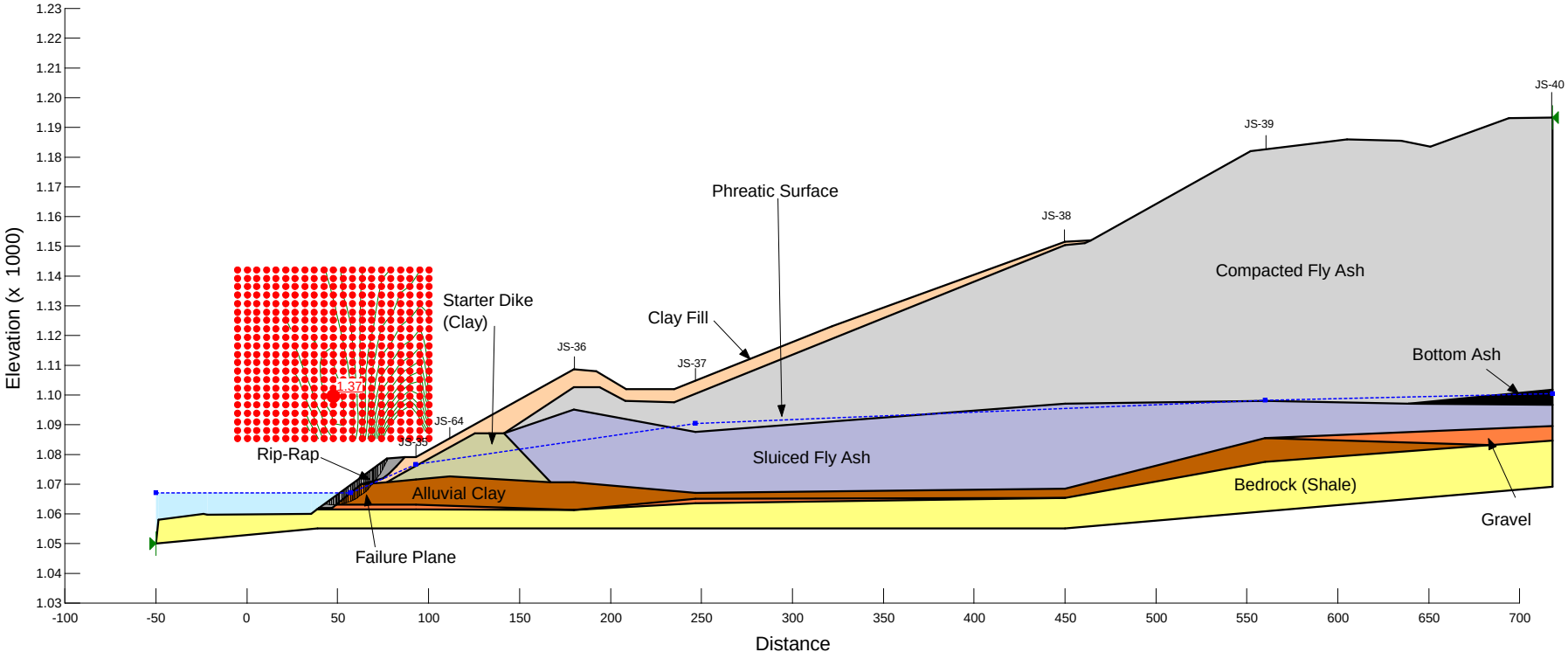
Name: Sand
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 37 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section D-D'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 117 pcf
Cohesion: 0 psf
Phi: 29 °

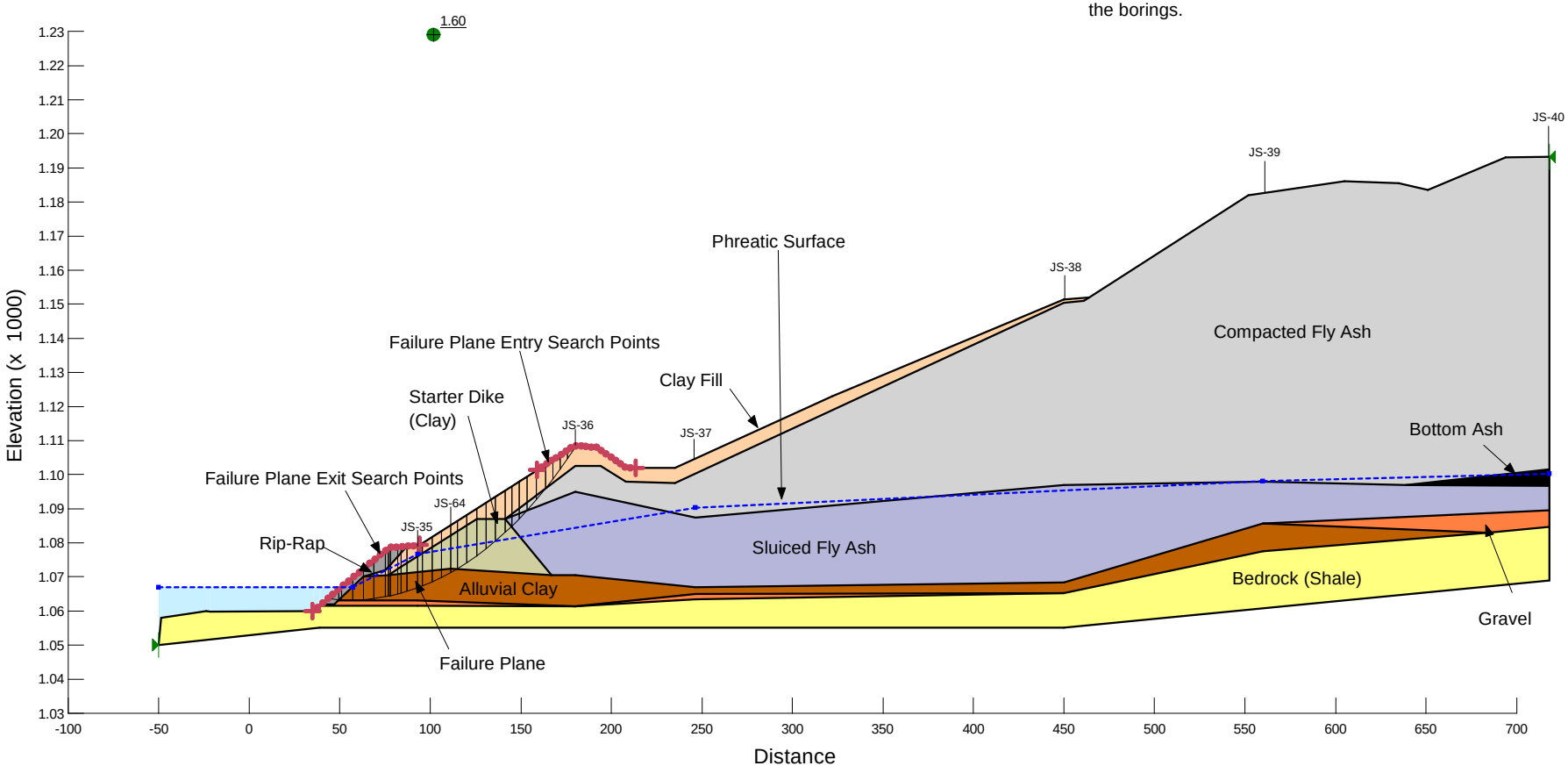
Name: Gravel
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 36 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section D-D'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 117 pcf
Cohesion: 0 psf
Phi: 29 °

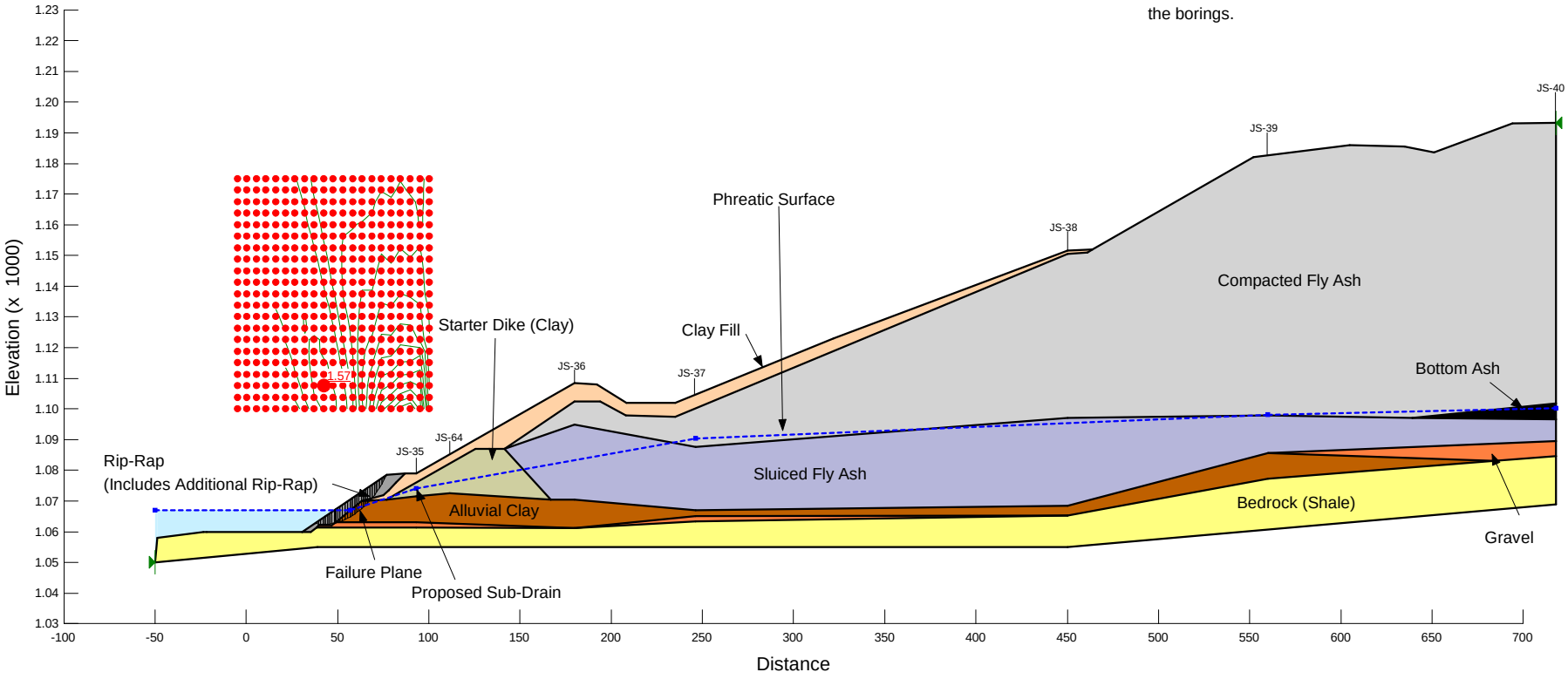
Name: Gravel
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 36 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section D-D'
# River Pool Elevation 1067.0 ft
# Assumed Proposed Additional Rip-Rap and Sub-Drain System

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 117 pcf
Cohesion: 0 psf
Phi: 29 °

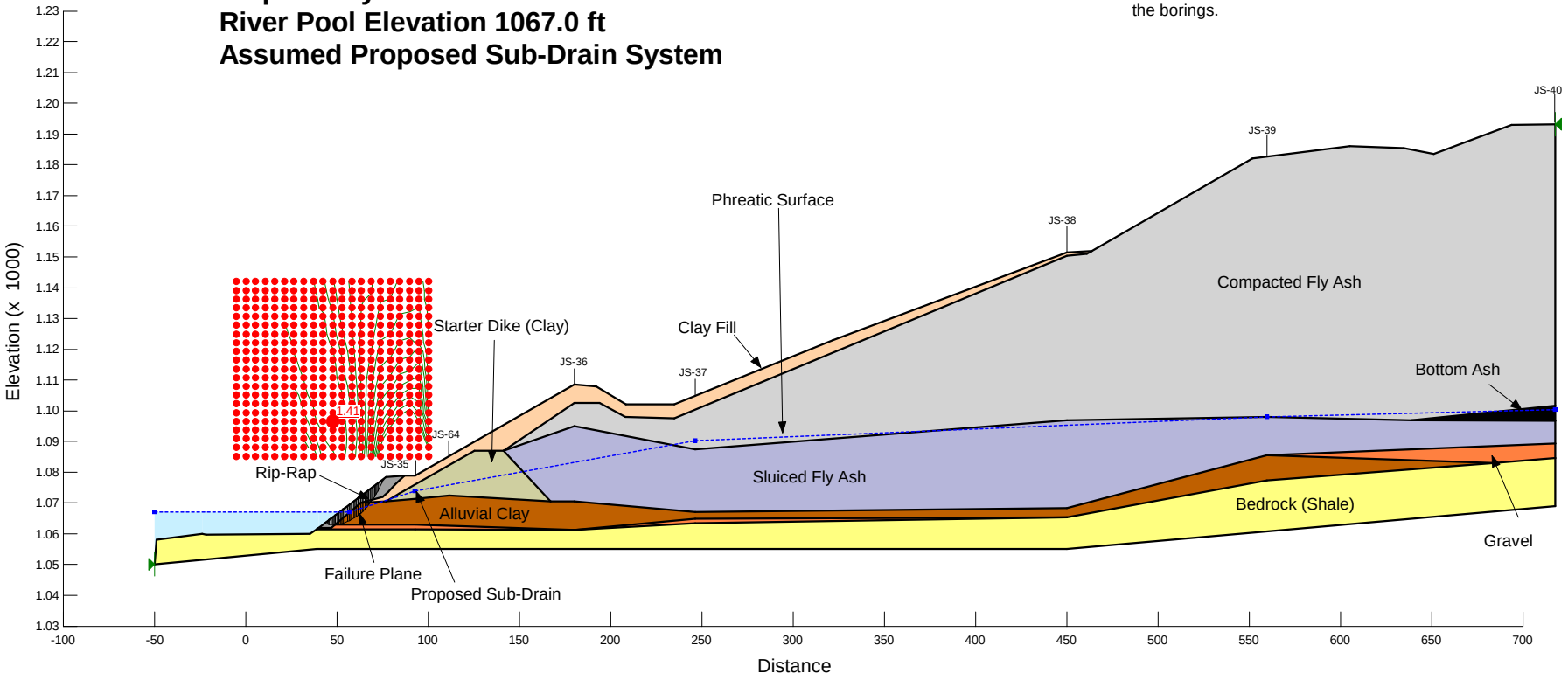
Name: Gravel
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 36 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section D-D'
# River Pool Elevation 1067.0 ft
# Assumed Proposed Sub-Drain System

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 117 pcf
Cohesion: 0 psf
Phi: 29 °

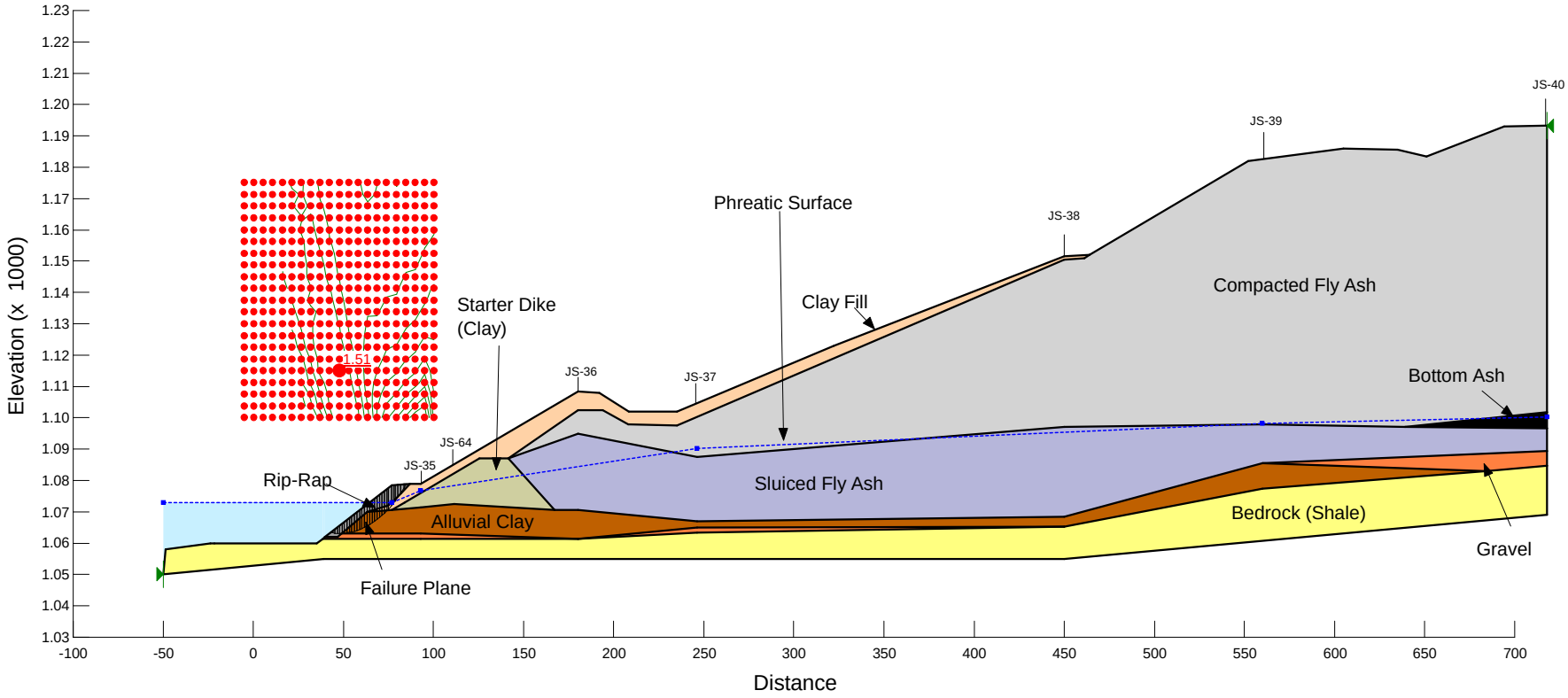
Name: Gravel
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 36 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section D-D'
# River Pool Elevation 1073.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 117 pcf
Cohesion: 0 psf
Phi: 29 °

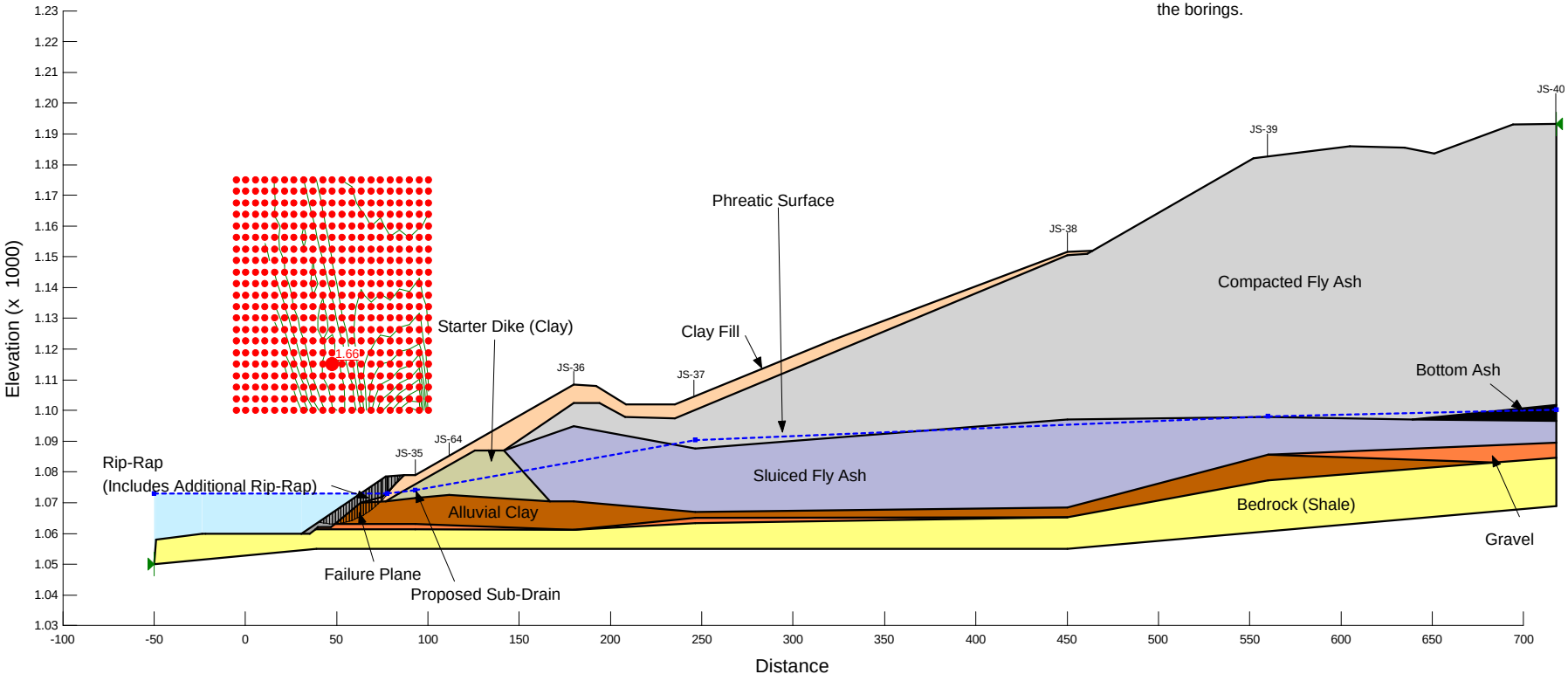
Name: Gravel
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 36 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section D-D'
# River Pool Elevation 1073.0 ft
# Assumed Proposed Additional Rip-Rap and Sub-Drain System

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 117 pcf
Cohesion: 0 psf
Phi: 29 °

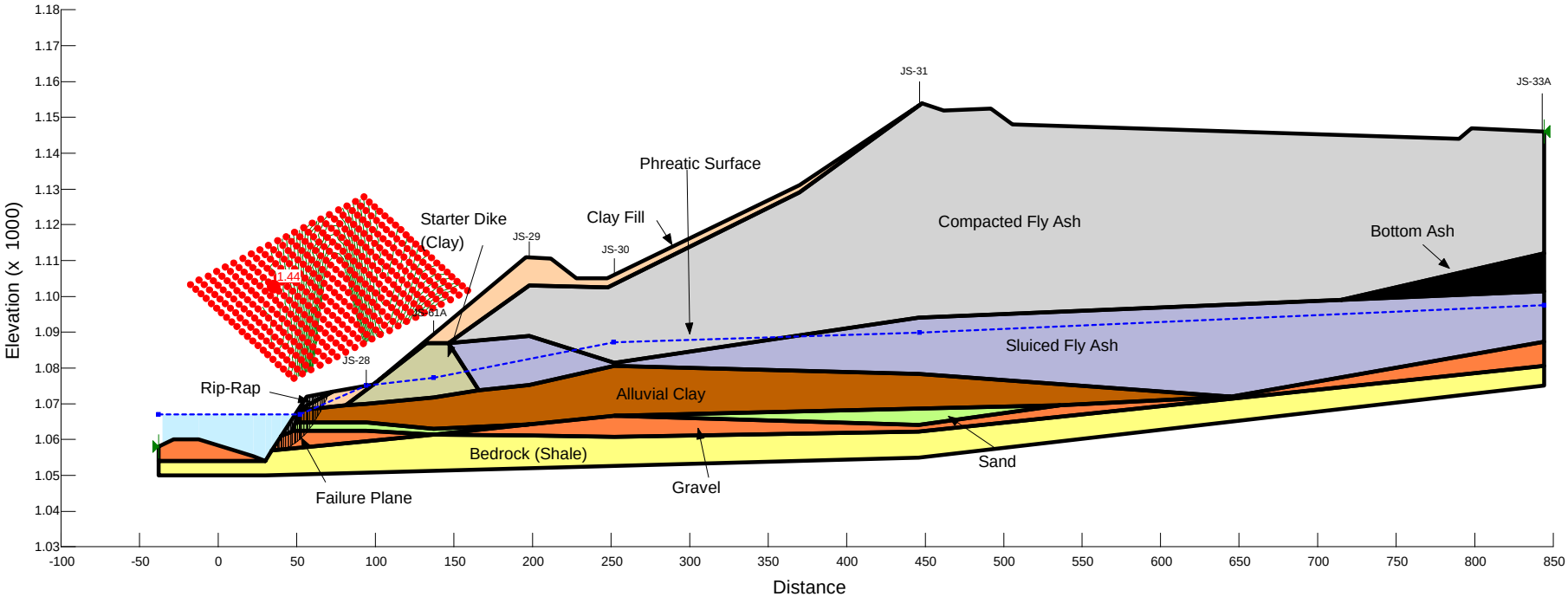
Name: Gravel
Unit Weight: 139 pcf
Cohesion: 0 psf
Phi: 36 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section E-E'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 106 pcf
Cohesion: 0 psf
Phi: 28 °

Name: Gravel
Unit Weight: 137 pcf
Cohesion: 0 psf
Phi: 37 °

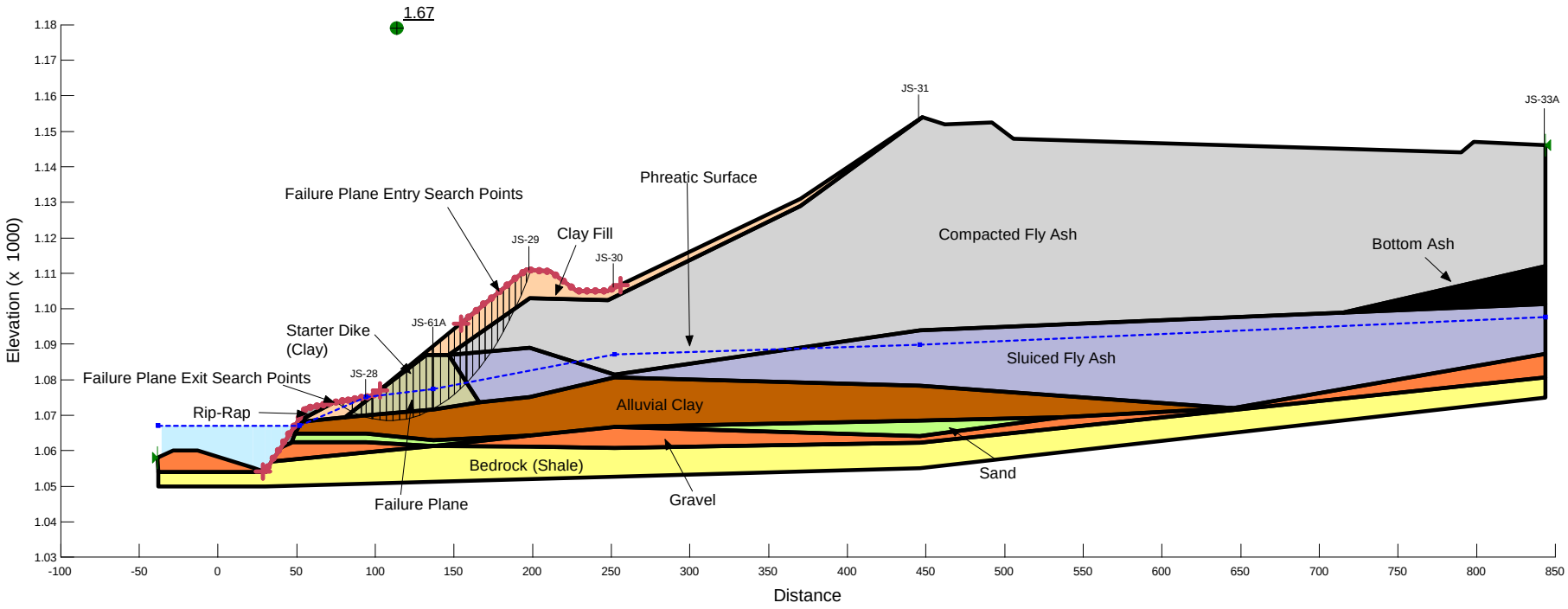
Name: Sand
Unit Weight: 131 pcf
Cohesion: 0 psf
Phi: 30.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section E-E'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 106 pcf
Cohesion: 0 psf
Phi: 28 °

Name: Gravel
Unit Weight: 137 pcf
Cohesion: 0 psf
Phi: 37 °

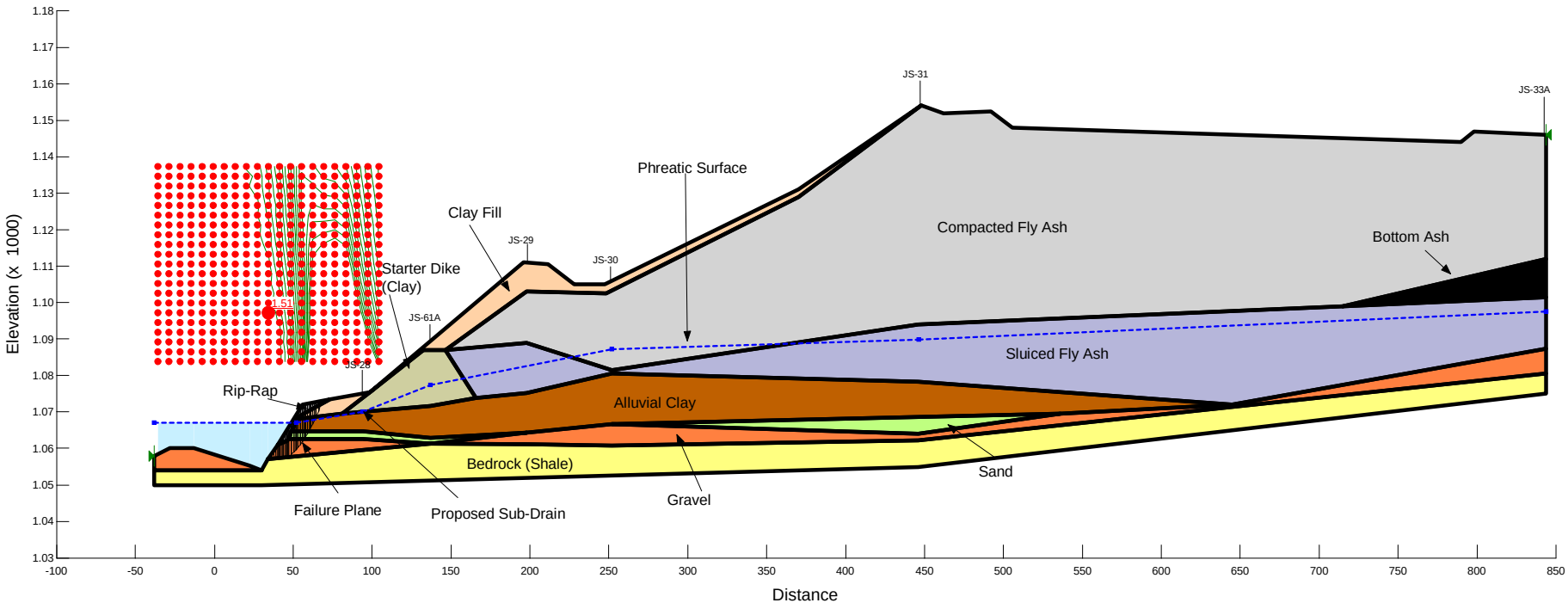
Name: Sand
Unit Weight: 131 pcf
Cohesion: 0 psf
Phi: 30.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section E-E'
# River Pool Elevation 1067.0 ft
# Assumed Proposed Sub-Drain System

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 106 pcf
Cohesion: 0 psf
Phi: 28 °

Name: Gravel
Unit Weight: 137 pcf
Cohesion: 0 psf
Phi: 37 °

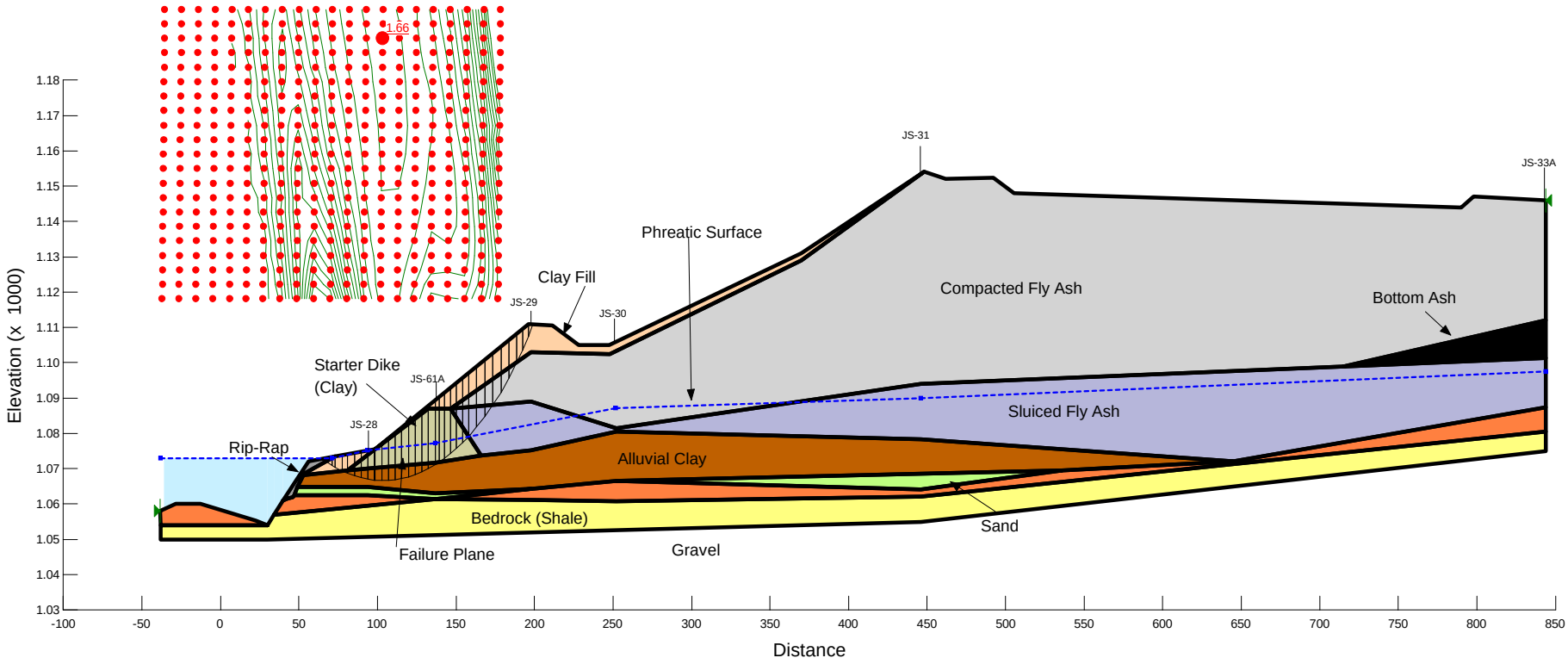
Name: Sand
Unit Weight: 131 pcf
Cohesion: 0 psf
Phi: 30.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section E-E'
# River Pool Elevation 1073.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 106 pcf
Cohesion: 0 psf
Phi: 28 °

Name: Gravel
Unit Weight: 137 pcf
Cohesion: 0 psf
Phi: 37 °

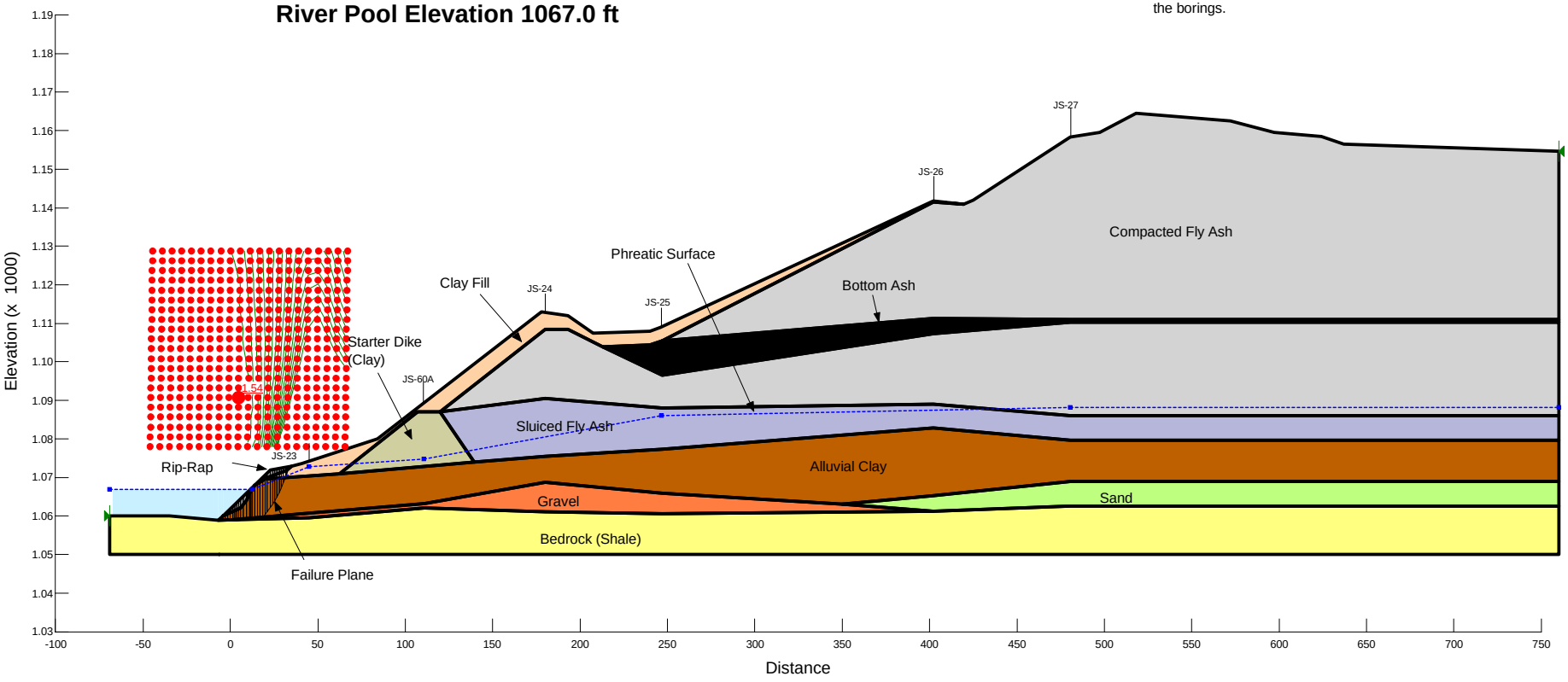
Name: Sand
Unit Weight: 131 pcf
Cohesion: 0 psf
Phi: 30.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section F-F'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 118 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Sand
Unit Weight: 127 pcf
Cohesion: 0 psf
Phi: 32 °

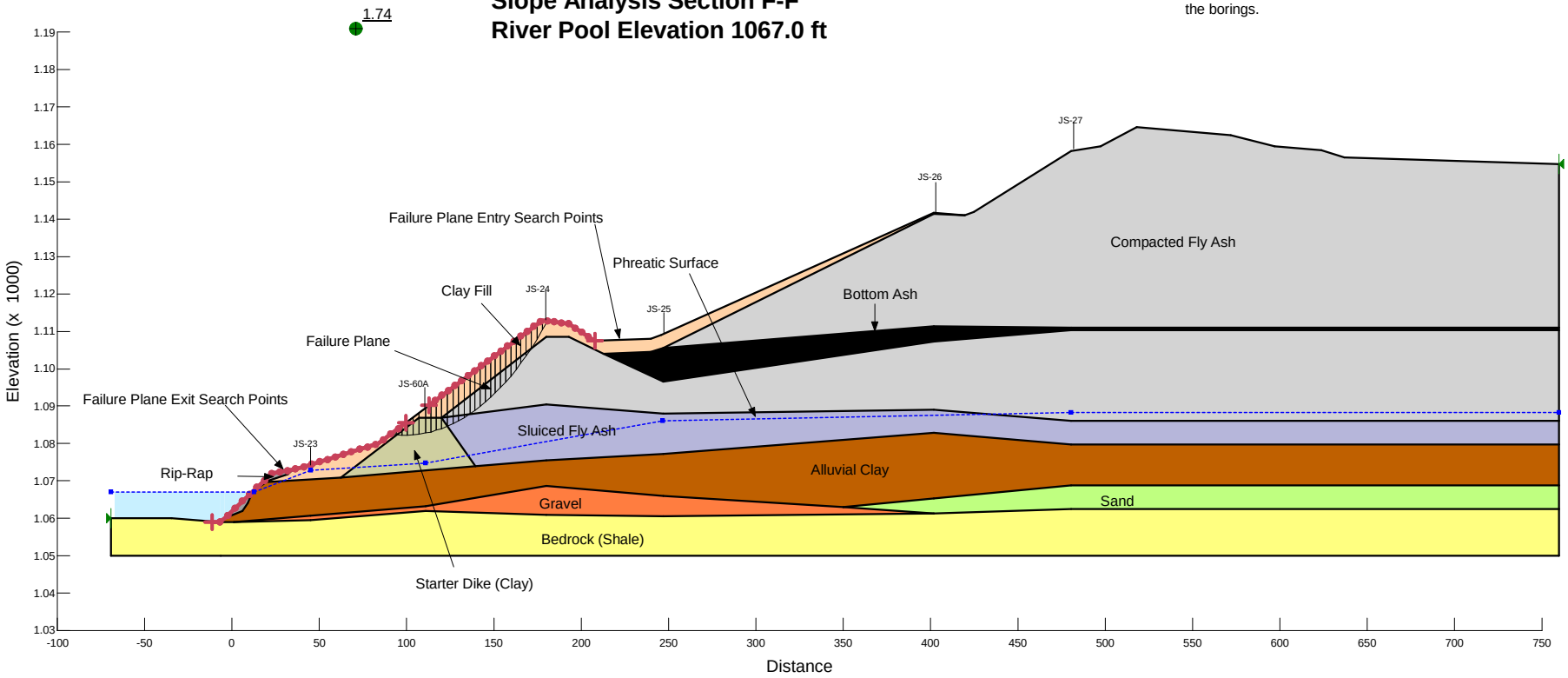
Name: Gravel
Unit Weight: 137 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section F-F'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 118 pcf
Cohesion: 0 psf
Phi: 32 °

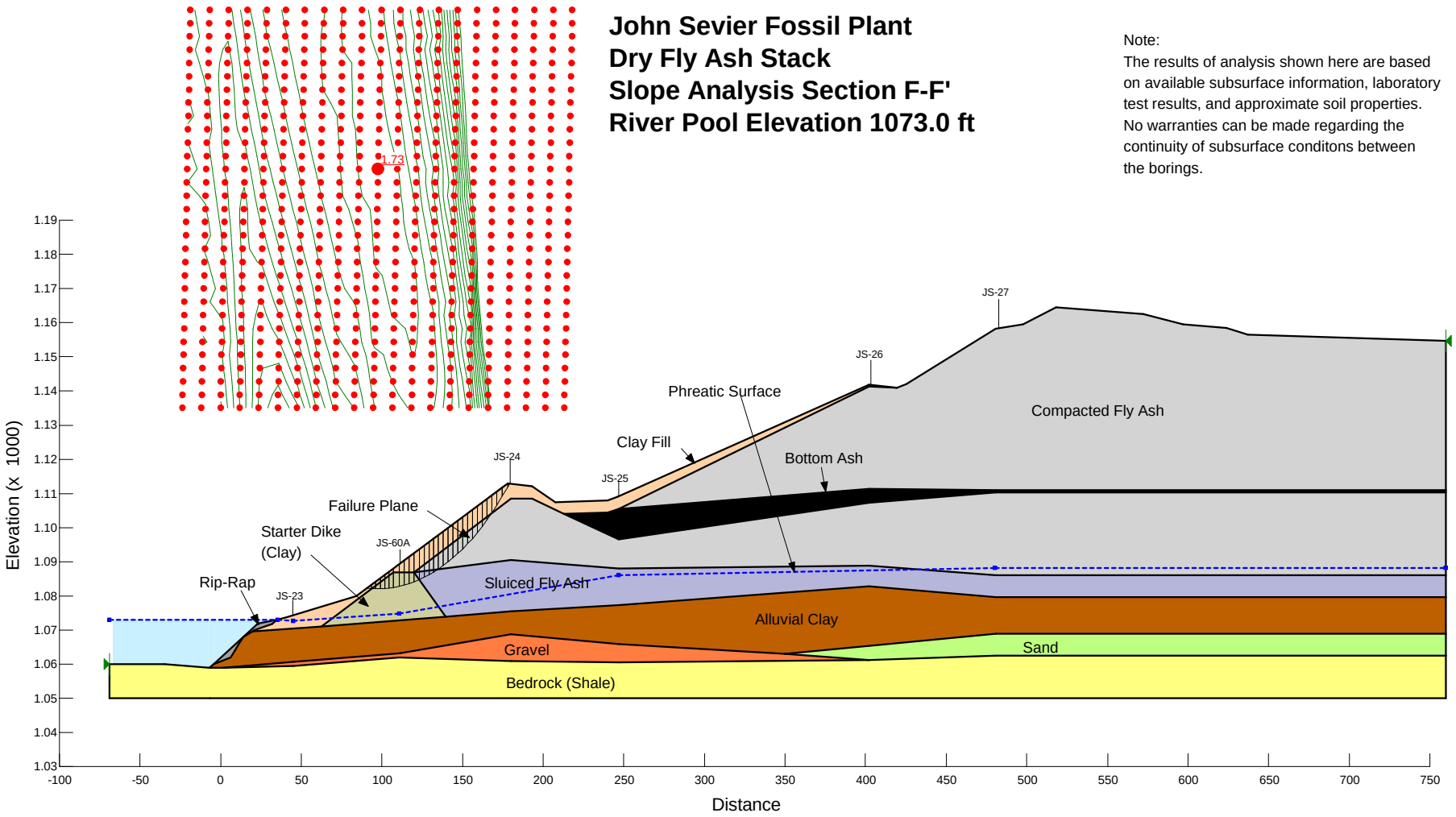
Name: Sand
Unit Weight: 127 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Gravel
Unit Weight: 137 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section F-F'
# River Pool Elevation 1073.0 ft




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 118 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Sand
Unit Weight: 127 pcf
Cohesion: 0 psf
Phi: 32 °

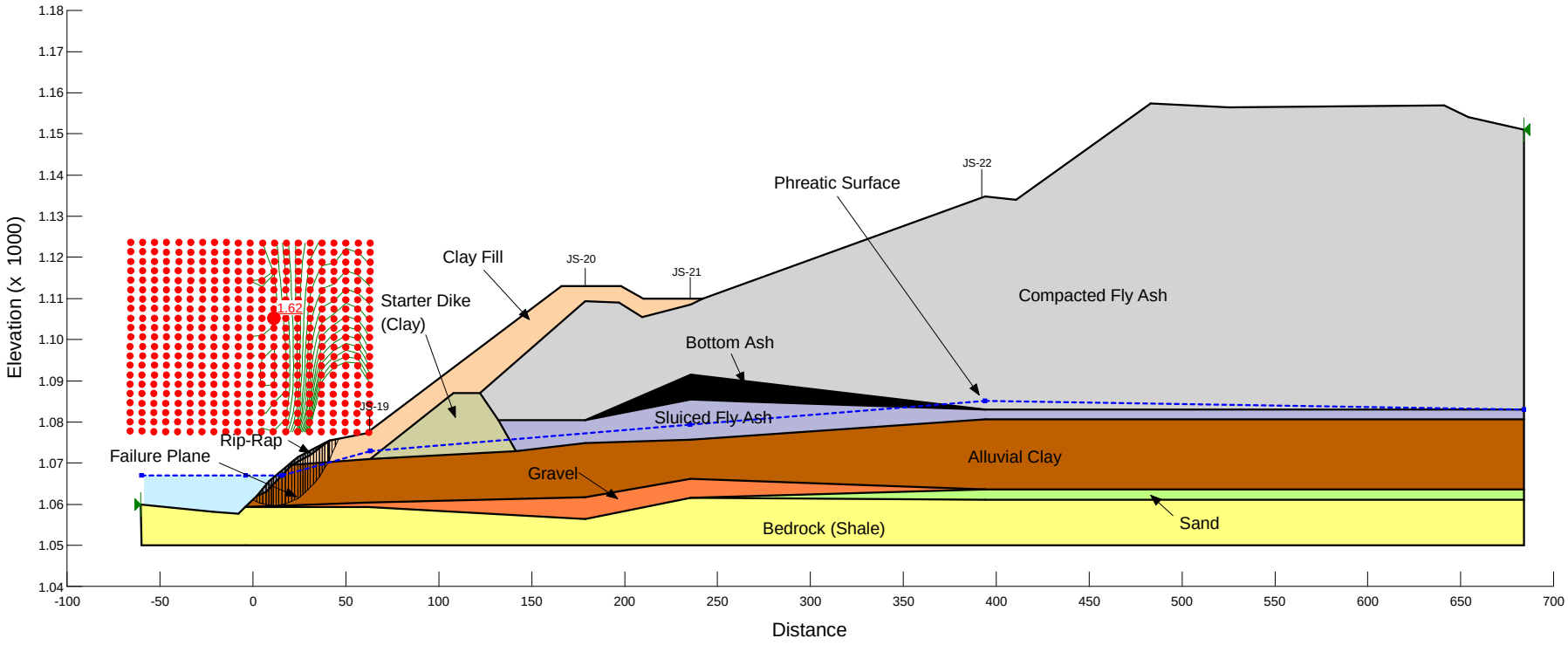
Name: Gravel
Unit Weight: 137 pcf
Cohesion: 0 psf
Phi: 32.5 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section G-G'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 29 °

Name: Gravel
Unit Weight: 133 pcf
Cohesion: 0 psf
Phi: 34.5 °

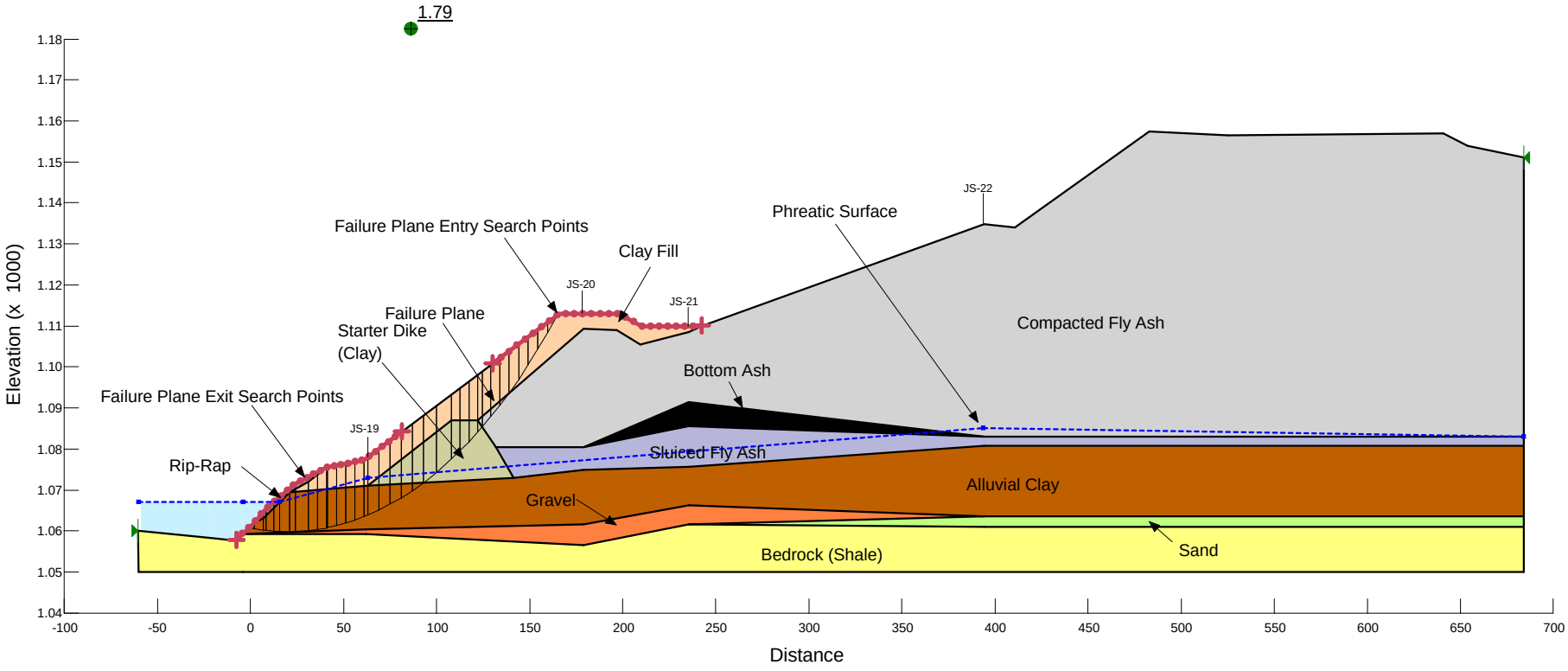
Name: Sand
Unit Weight: 130 pcf
Cohesion: 0 psf
Phi: 36 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section G-G'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 29 °

Name: Gravel
Unit Weight: 133 pcf
Cohesion: 0 psf
Phi: 34.5 °

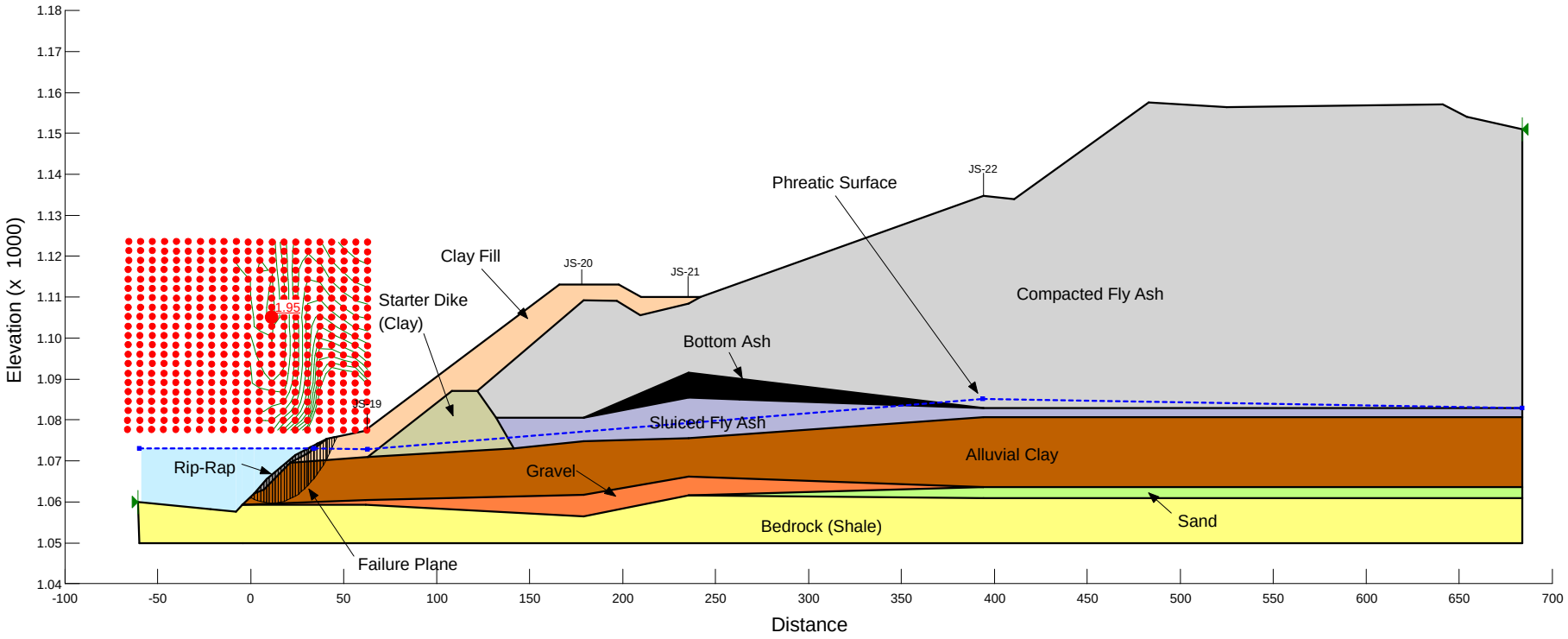
Name: Sand
Unit Weight: 130 pcf
Cohesion: 0 psf
Phi: 36 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section G-G'
# River Pool Elevation 1073.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bottom Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 29 °

Name: Gravel
Unit Weight: 133 pcf
Cohesion: 0 psf
Phi: 34.5 °

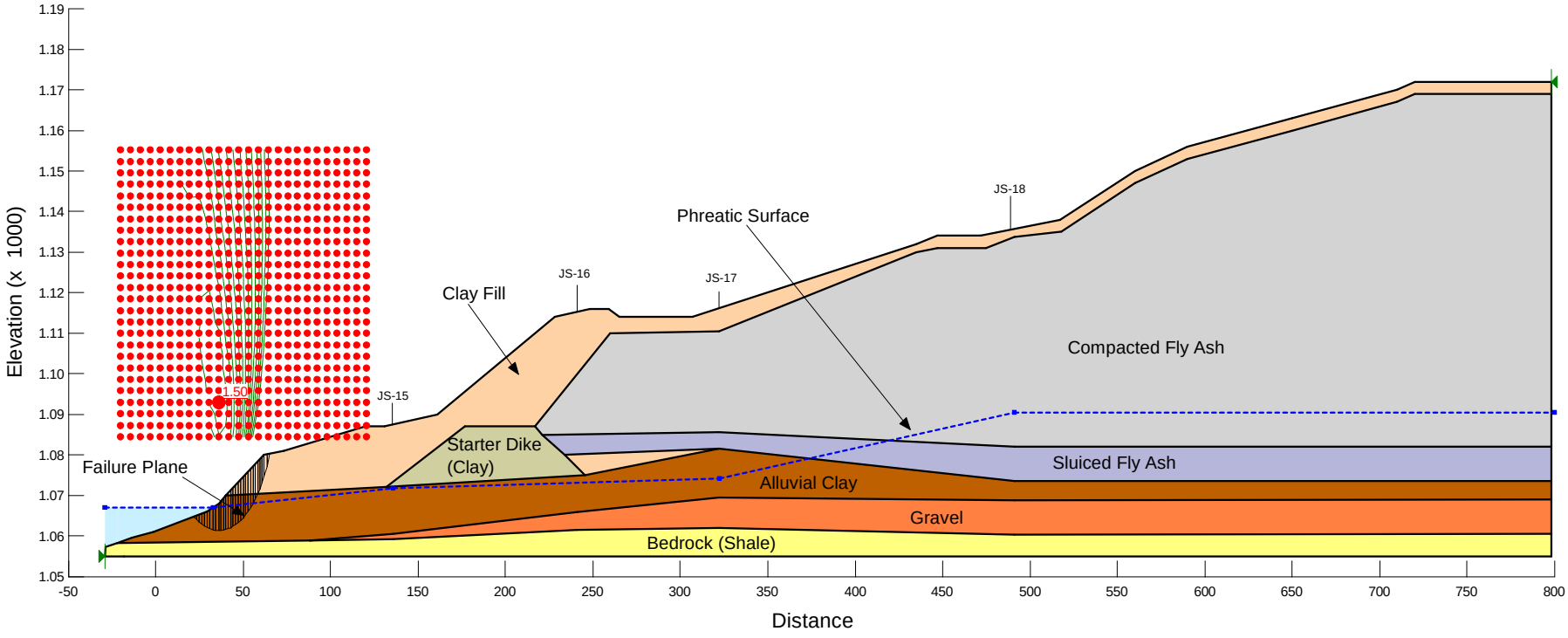
Name: Sand
Unit Weight: 130 pcf
Cohesion: 0 psf
Phi: 36 °

Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section H-H'
# River Pool Elevation 1067.0 ft




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

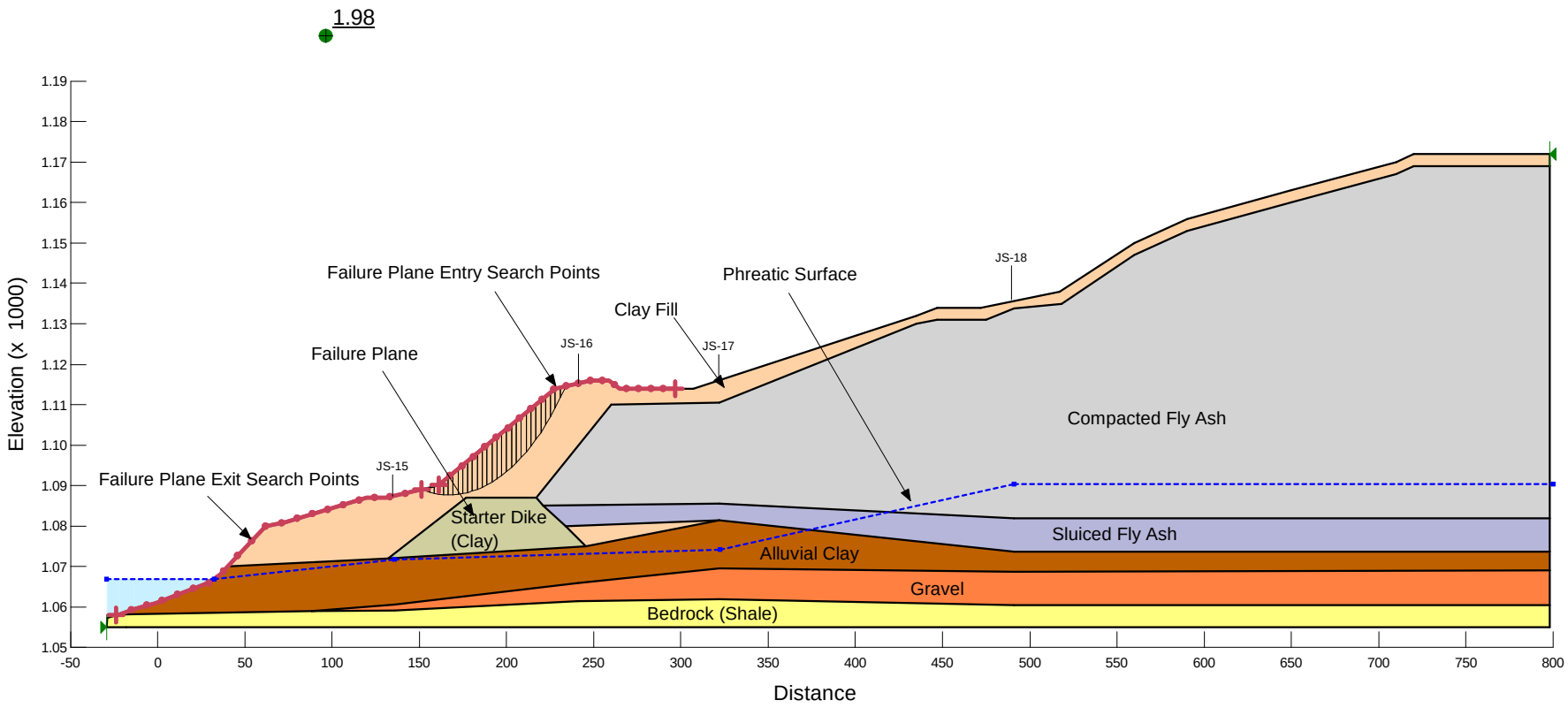
Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 136 pcf
Cohesion: 0 psf
Phi: 37 °

Name: Bedrock (Shale)

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section H-H'
# River Pool Elevation 1067.0 ft




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

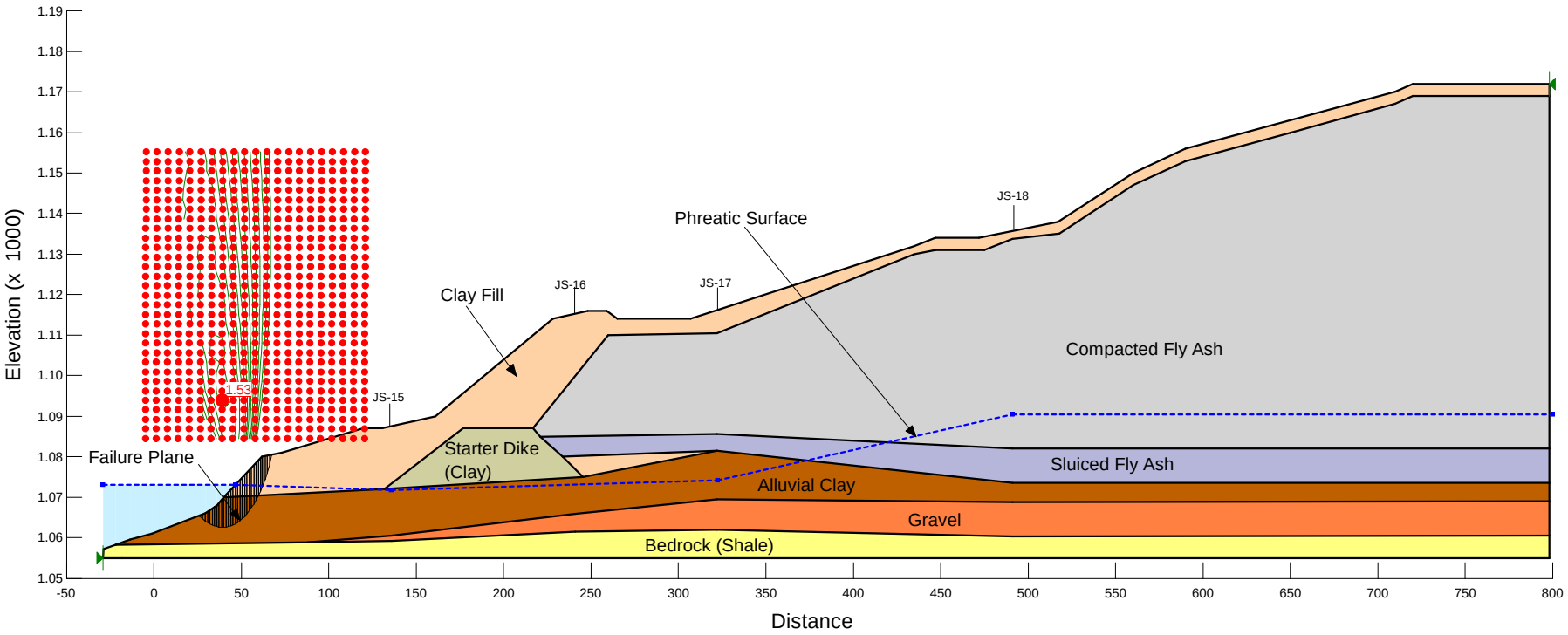
Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 136 pcf
Cohesion: 0 psf
Phi: 37 °

Name: Bedrock (Shale)

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditons between the borings.

# John Sevier Fossil Plant
# Dry Fly Ash Stack
# Slope Analysis Section H-H'
# River Pool Elevation 1073.0 ft




Method: Spencer

Name: Clay Fill
Unit Weight: 125 pcf
Cohesion: 0 psf
Phi: 32 °

Name: Starter Dike (Clay)
Unit Weight: 126 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Alluvial Clay
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 31 °

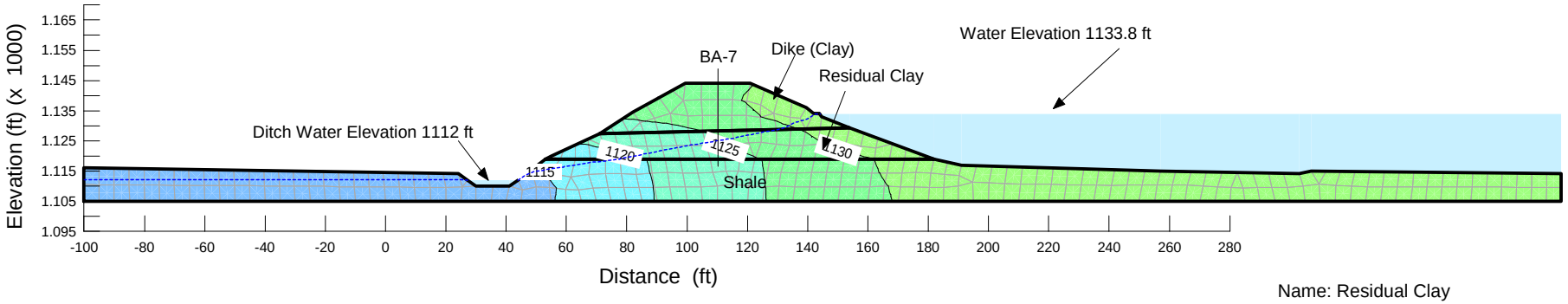
Name: Compacted Fly Ash
Unit Weight: 110 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 136 pcf
Cohesion: 0 psf
Phi: 37 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Section I-I' Seepage Analysis
# Total Head Contours



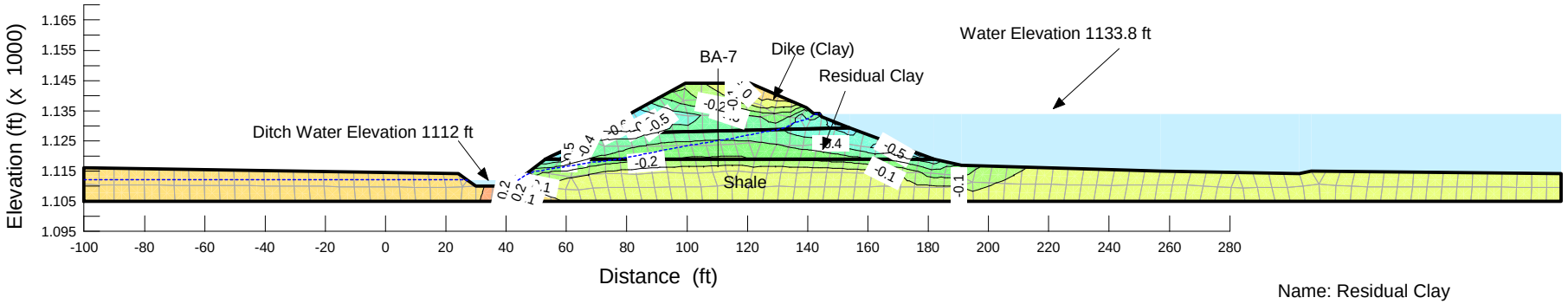

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

Name: Residual Clay
Model: Saturated / Unsaturated
K-Function: Residual Fat Clay
Vol. WC. Function: Residual Fat Clay
K-Ratio: 0.05
K-Direction: 0 °

Name: Dike (Clay)
Model: Saturated / Unsaturated
K-Function: Fat Clay with Gravel (Embankment Fill)
Vol. WC. Function: Fat Clay with Gravel (Embankment Fill)
K-Ratio: 0.05
K-Direction: 0 °

Name: Bedrock (Shale)
Model: Saturated / Unsaturated
K-Function: Shale
Vol. WC. Function: Shale
K-Ratio: 0.1
K-Direction: 0 °

# John Sevier Fossil Plant
# Section I-I' Seepage Analysis
# Vertical Gradient Contours



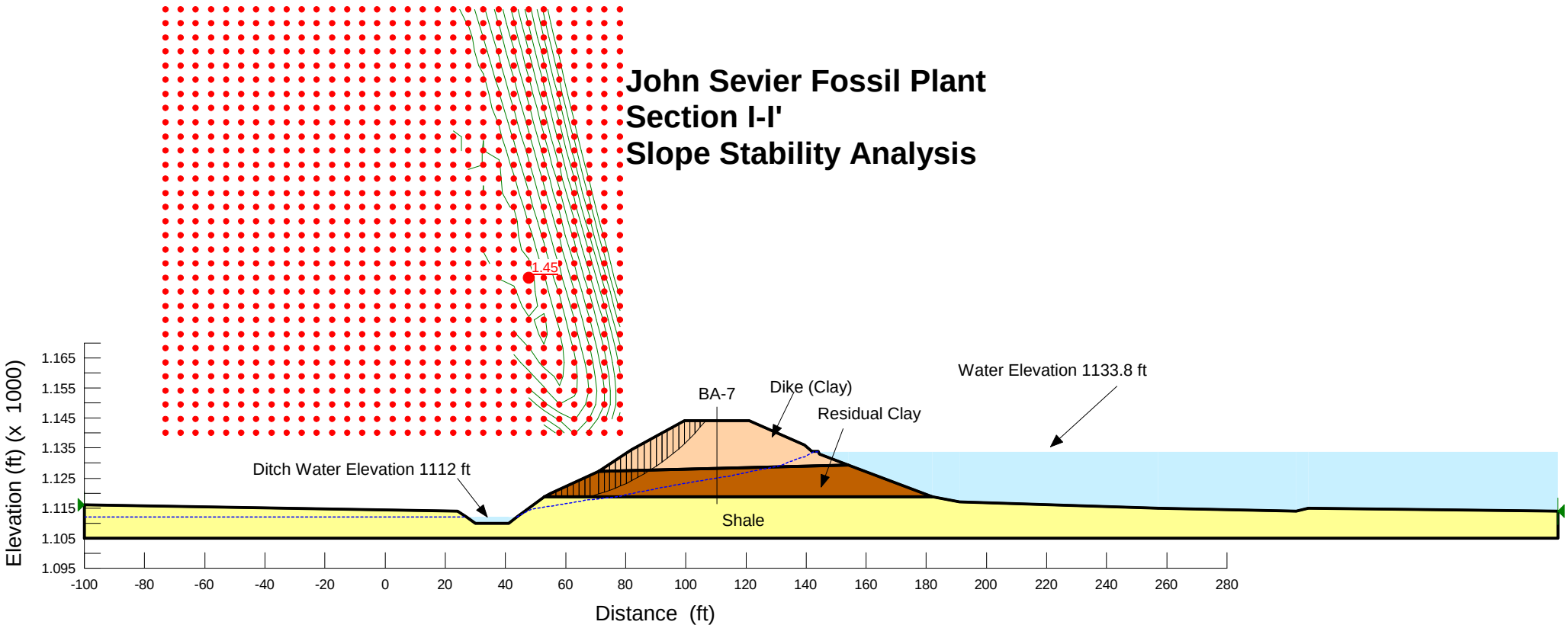

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

Name: Residual Clay
Model: Saturated / Unsaturated
K-Function: Residual Fat Clay
Vol. WC. Function: Residual Fat Clay
K-Ratio: 0.05
K-Direction: 0 °

Name: Dike (Clay)
Model: Saturated / Unsaturated
K-Function: Fat Clay with Gravel (Embankment Fill)
Vol. WC. Function: Fat Clay with Gravel (Embankment Fill)
K-Ratio: 0.05
K-Direction: 0 °

Name: Bedrock (Shale)
Model: Saturated / Unsaturated
K-Function: Shale
Vol. WC. Function: Shale
K-Ratio: 0.1
K-Direction: 0 °

# John Sevier Fossil Plant
# Section I-I'
# Slope Stability Analysis




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

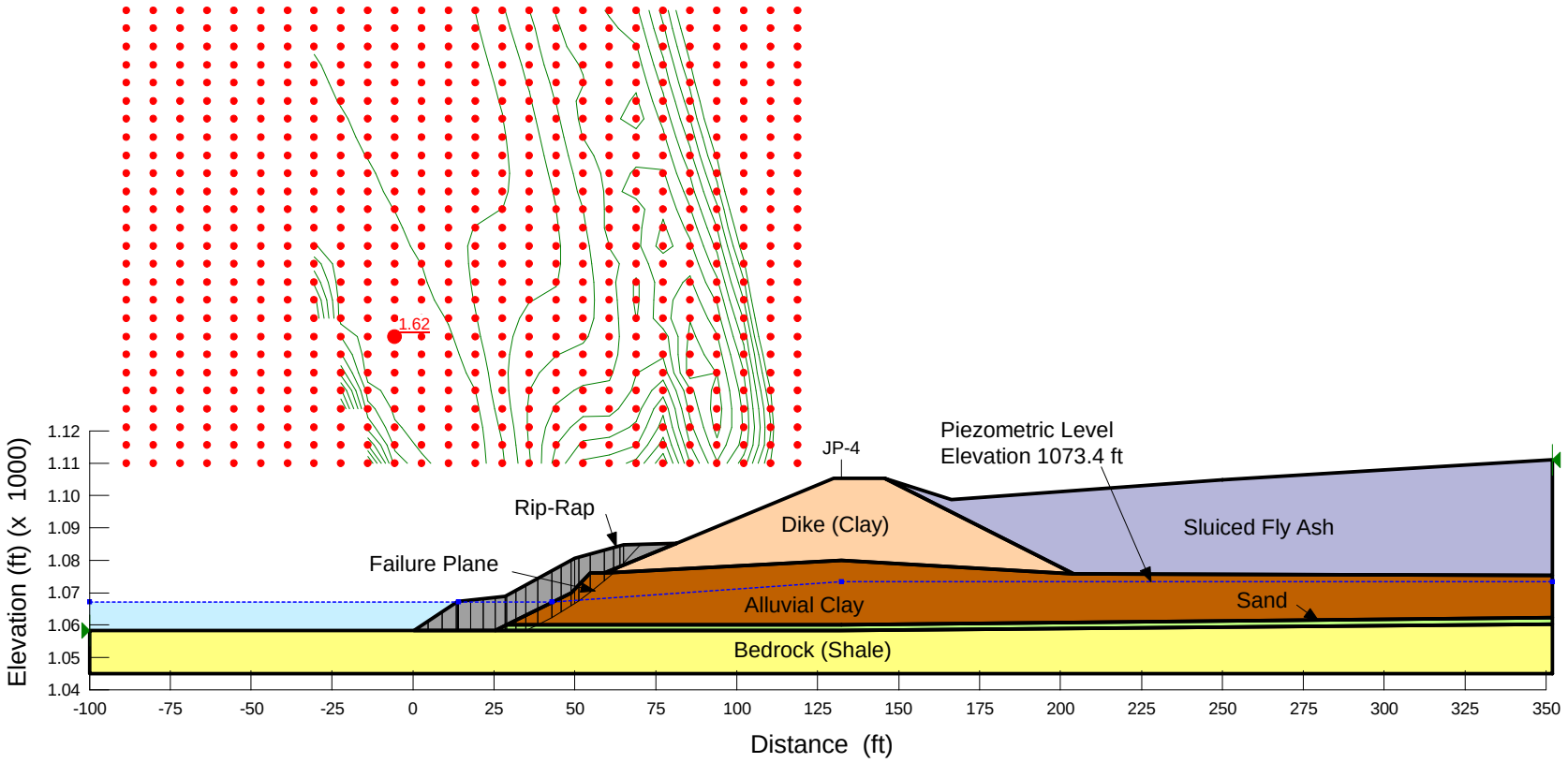
Name: Residual Clay
Unit Weight: 121 pcf
Cohesion: 0 psf
Phi: 33 °

Name: Dike (Clay)
Unit Weight: 123 pcf
Cohesion: 0 psf
Phi: 33 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section J-J'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.




Method: Spencer

Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Alluvial Clay
Unit Weight: 127 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Sand
Unit Weight: 118 pcf
Cohesion: 0 psf
Phi: 30 °

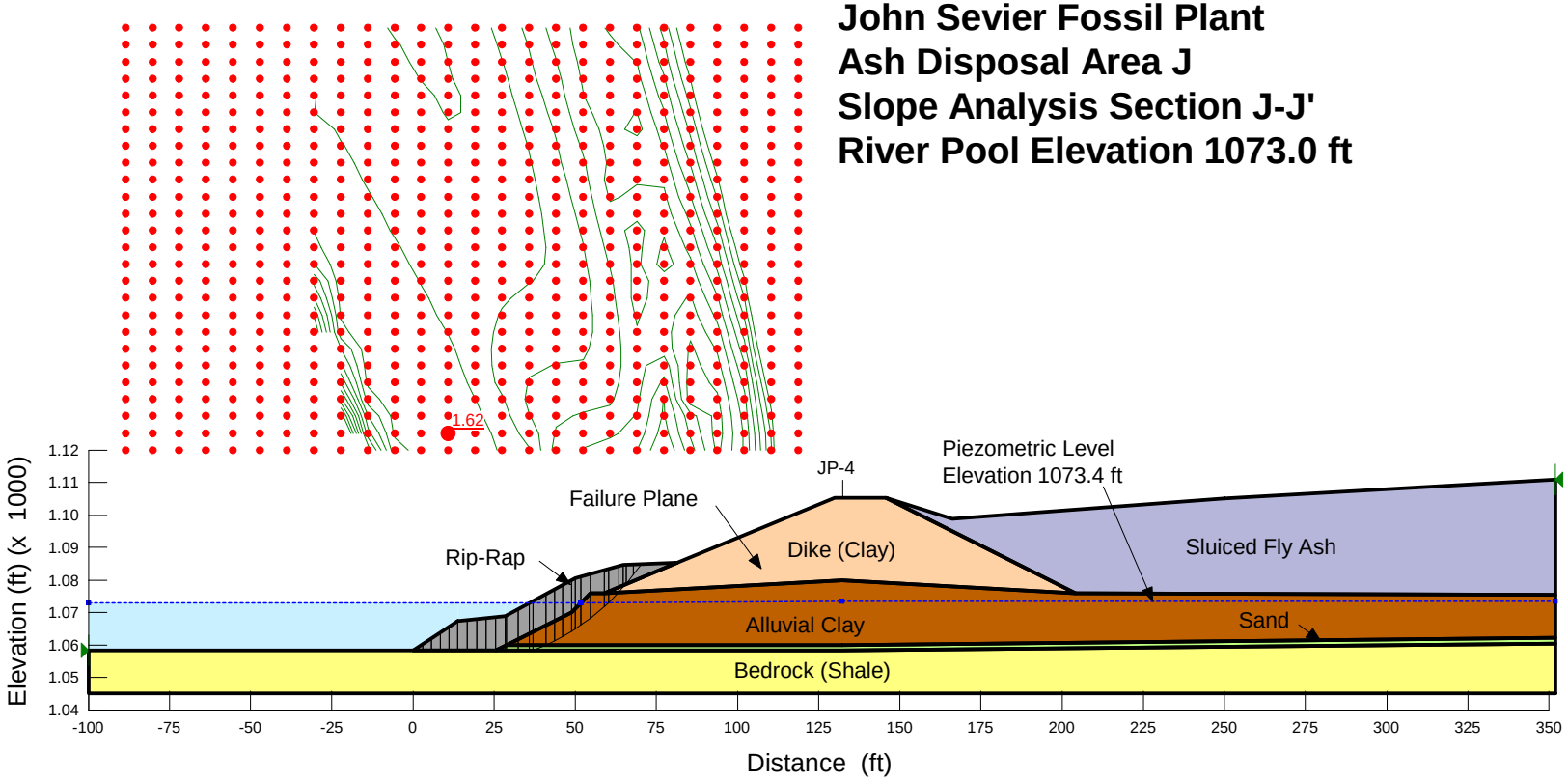
Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bedrock (Shale)

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section J-J'
# River Pool Elevation 1073.0 ft




Method: Spencer

Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Alluvial Clay
Unit Weight: 127 pcf
Cohesion: 0 psf
Phi: 31 °

Name: Sand
Unit Weight: 118 pcf
Cohesion: 0 psf
Phi: 30 °

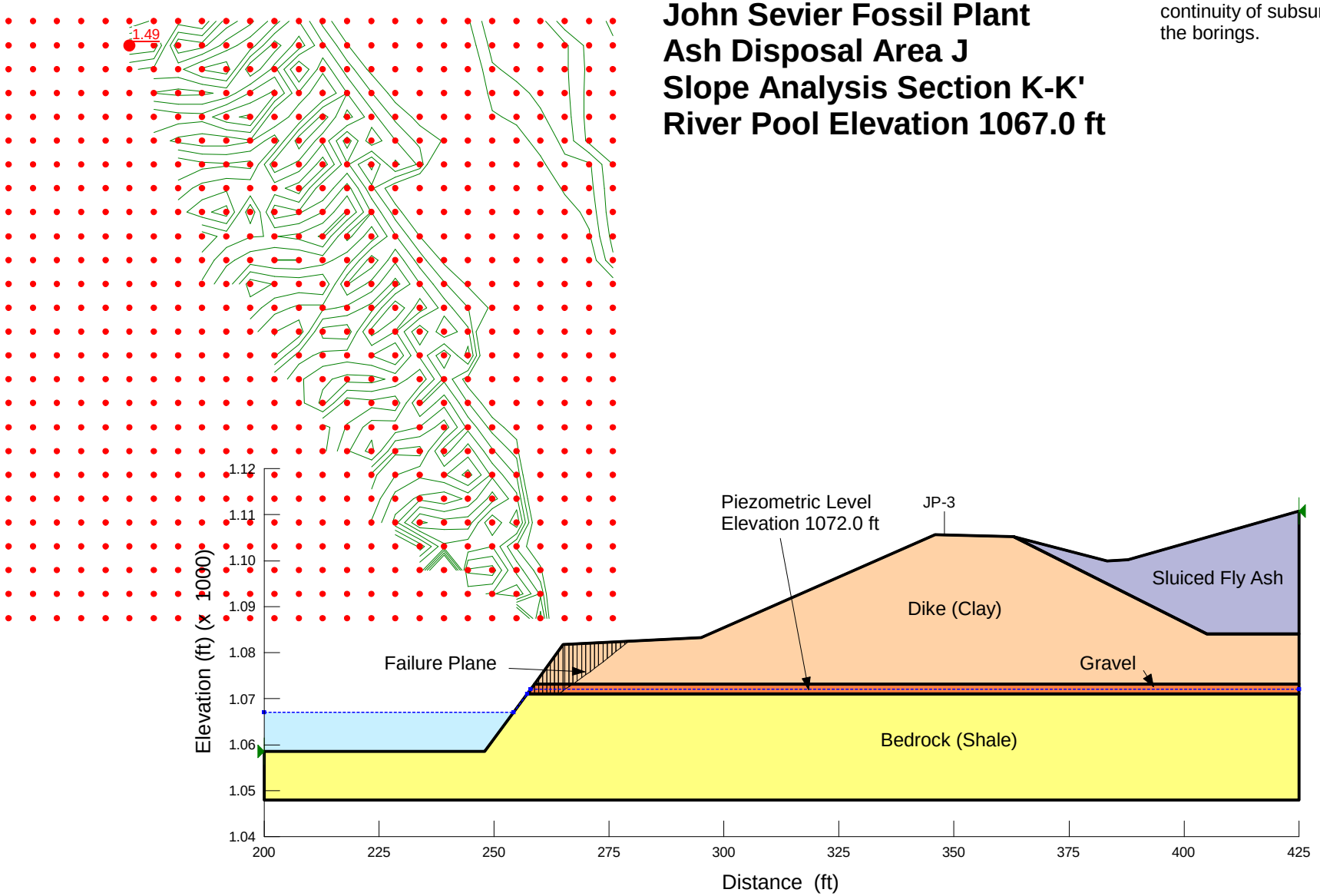
Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section K-K'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.




Method: Spencer

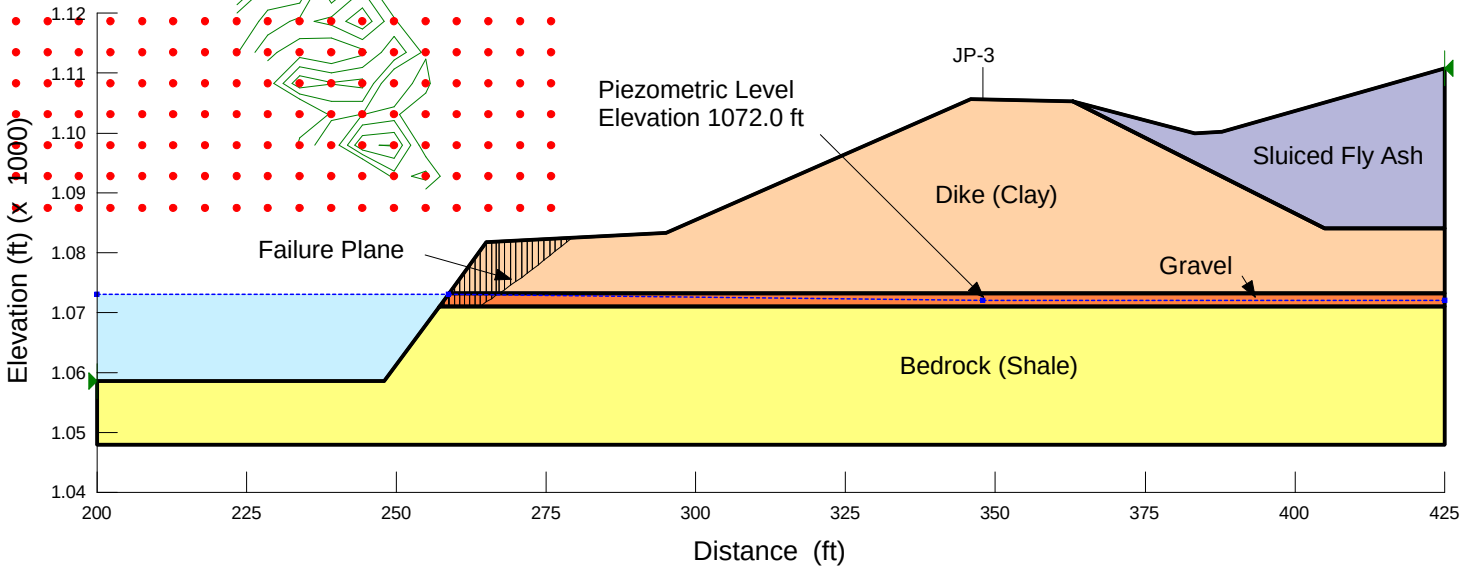
Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Bedrock (Shale)

# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section K-K'
# River Pool Elevation 1073.0 ft




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

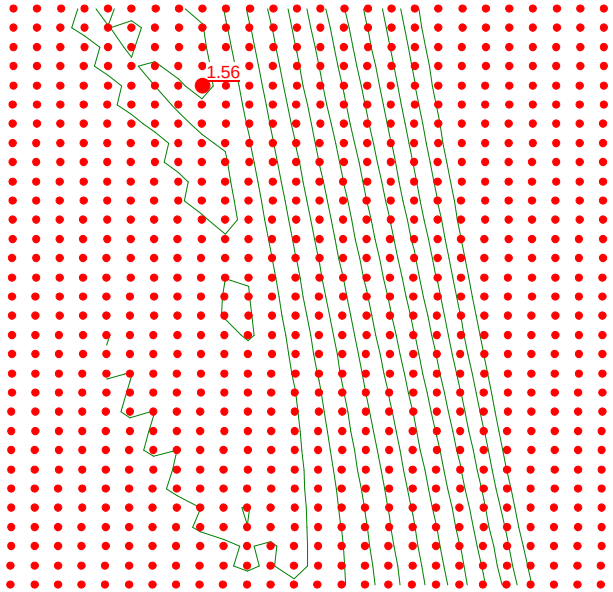
Method: Spencer

Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

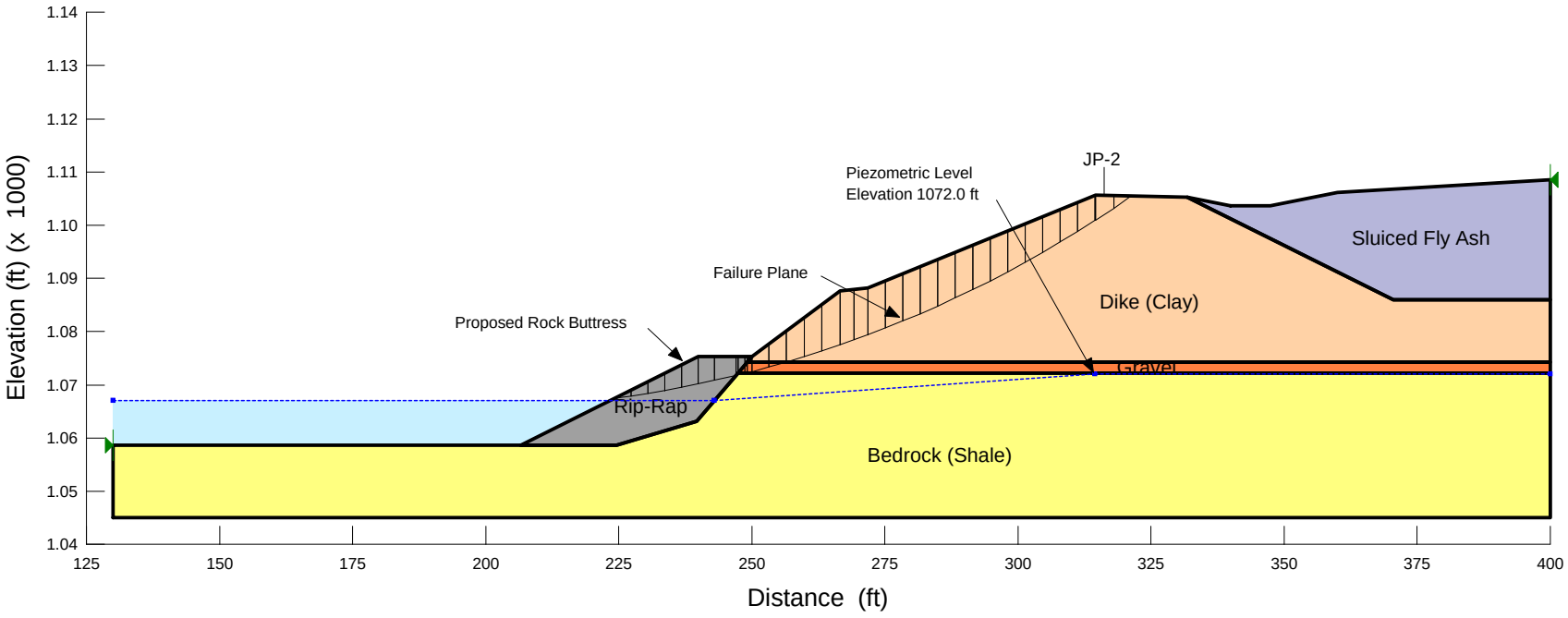
Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Bedrock (Shale)




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section M-M' Repair
# Bench 10 ft & Slope 2:1
# River Pool Elevation 1067.0 ft




Method: Spencer

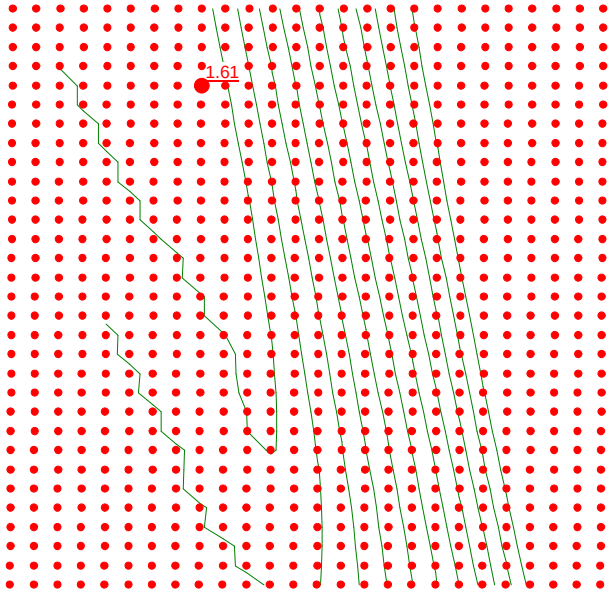
Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

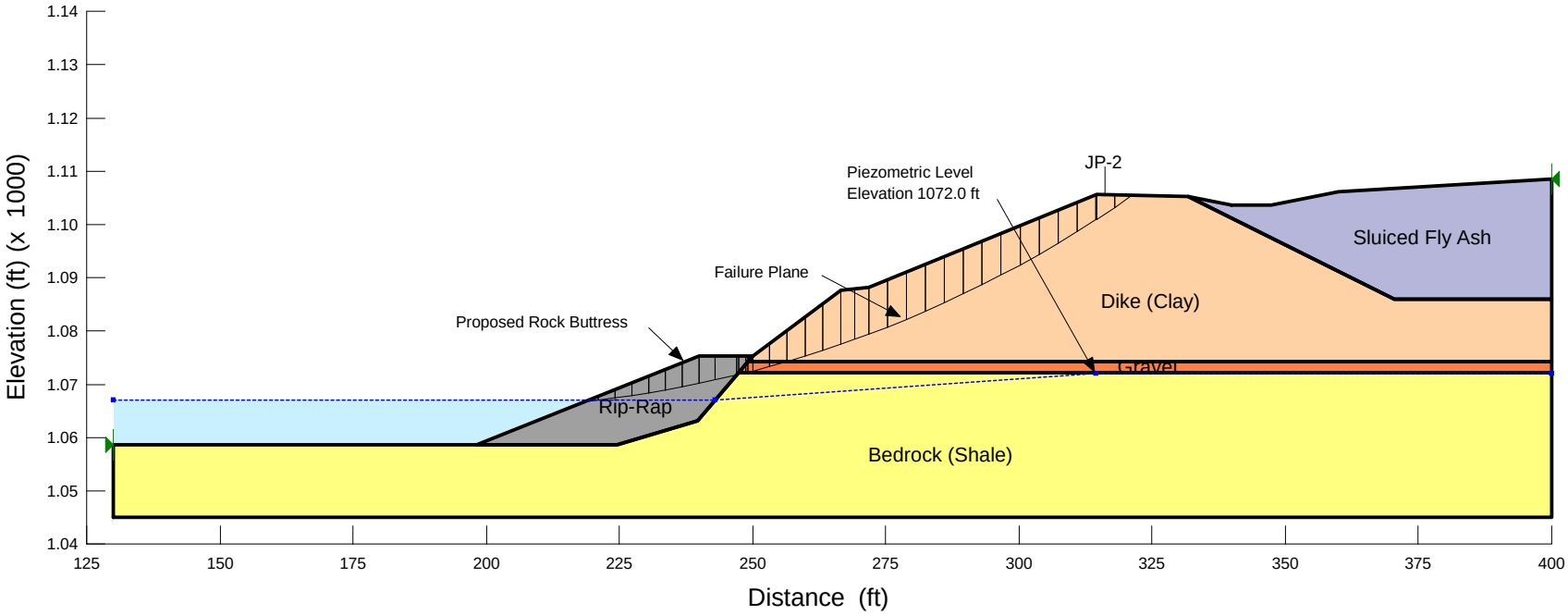
Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section M-M' Repair
# Bench 10 ft & Slope 2.5:1
# River Pool Elevation 1067.0 ft




Method: Spencer

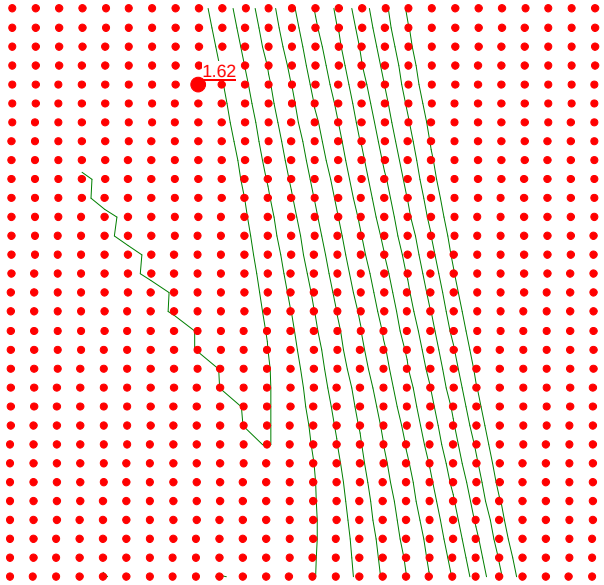
Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

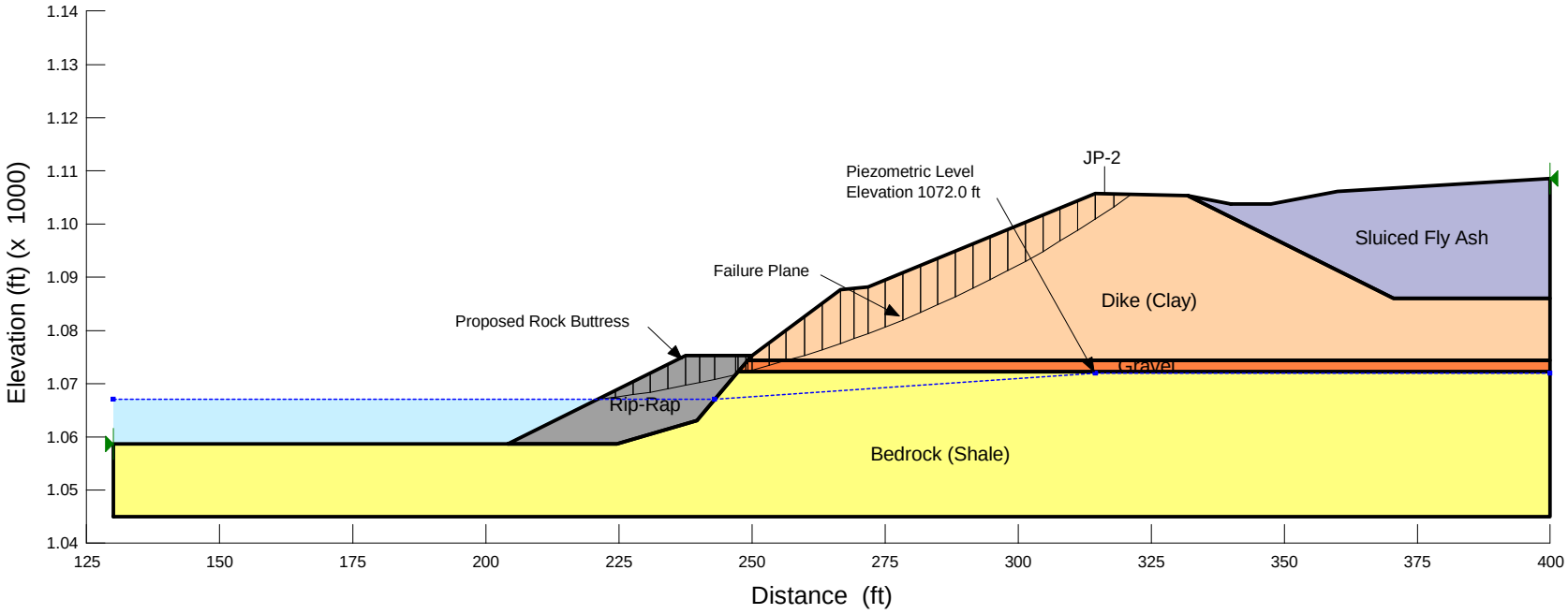
Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section M-M' Repair
# Bench 12.5 ft & Slope 2:1
# River Pool Elevation 1067.0 ft




Method: Spencer

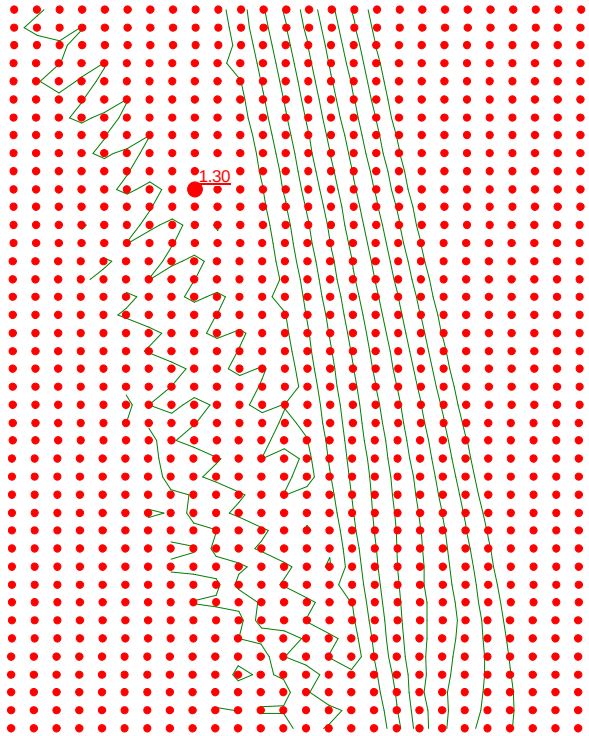
Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

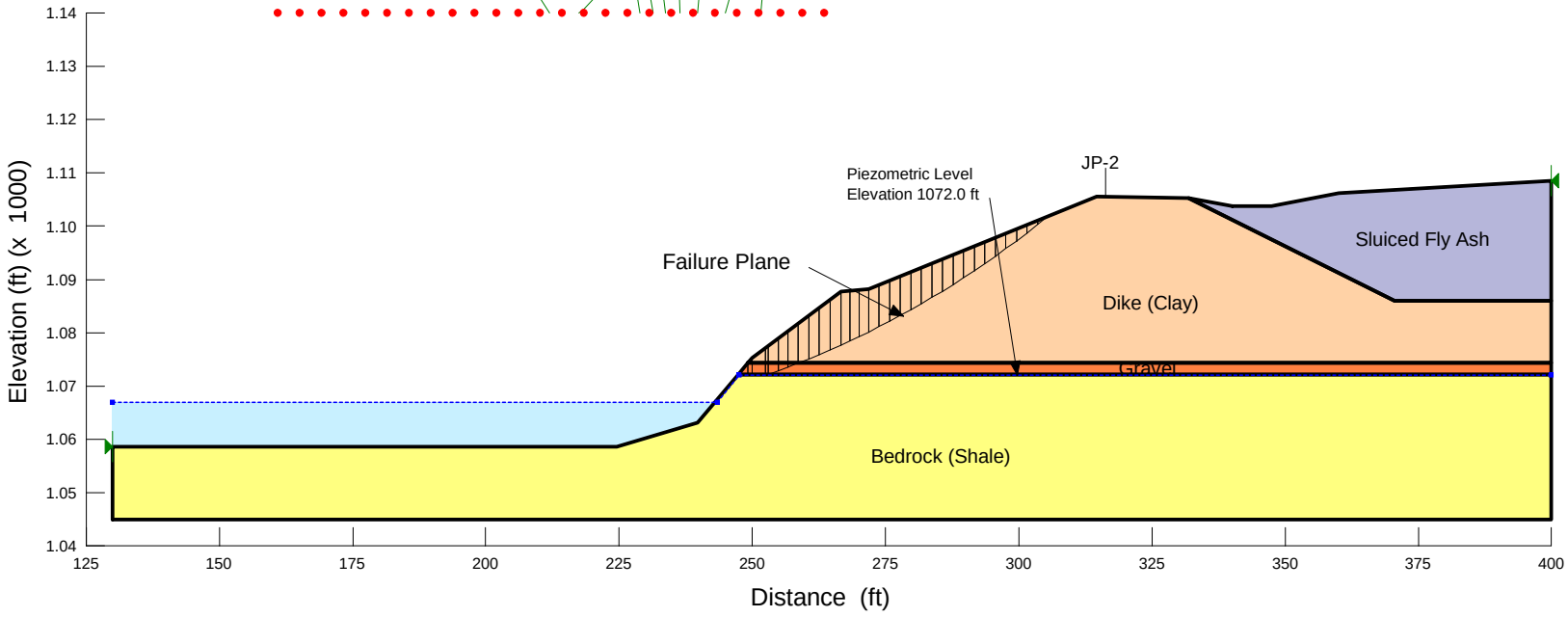
Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)




# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section M-M'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.



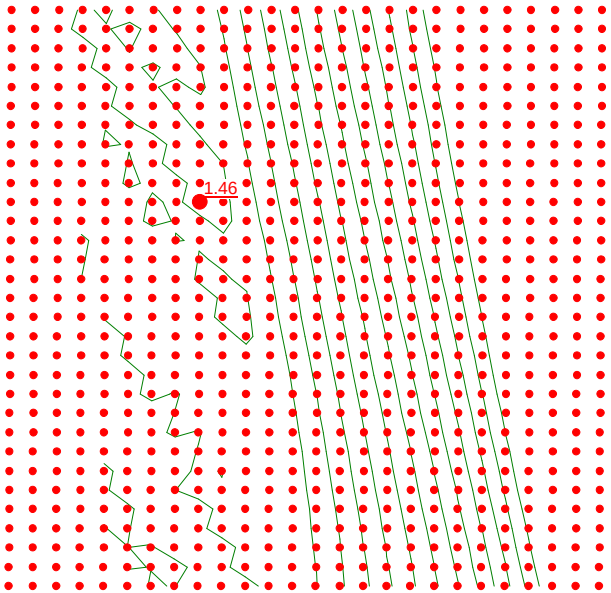

Method: Spencer

Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

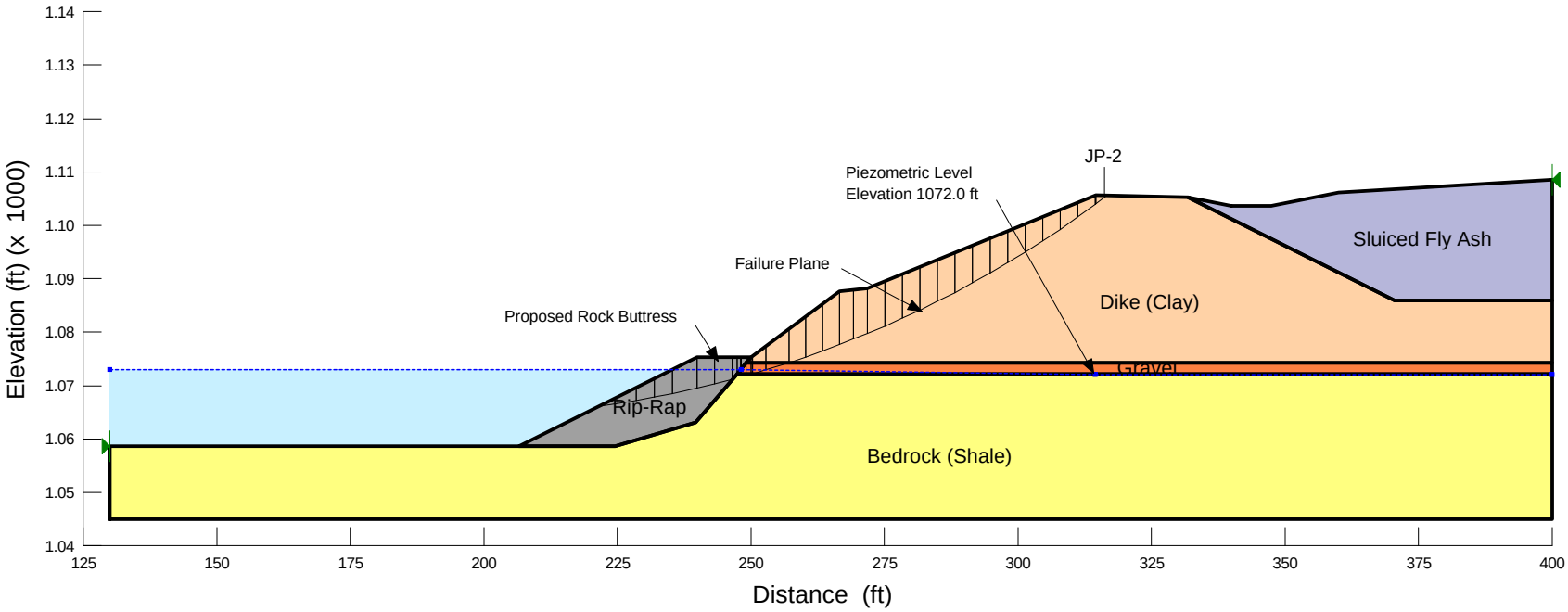
Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Bedrock (Shale)




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section M-M' Repair
# Bench 10 ft & Slope 2:1
# River Pool Elevation 1073.0 ft




Method: Spencer

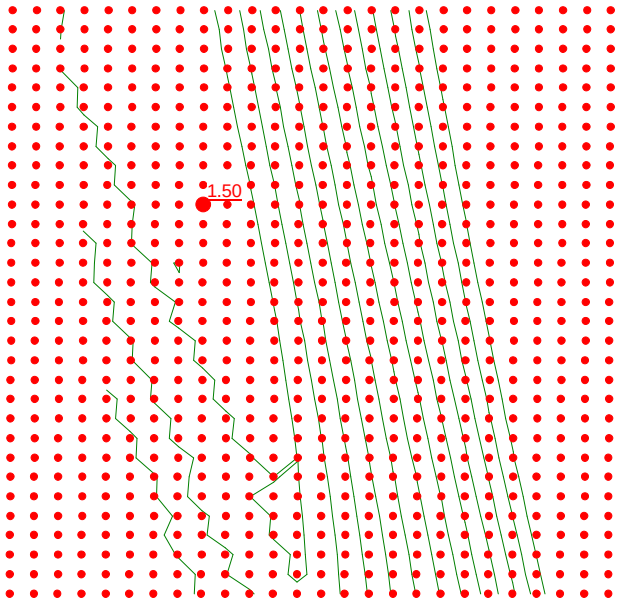
Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

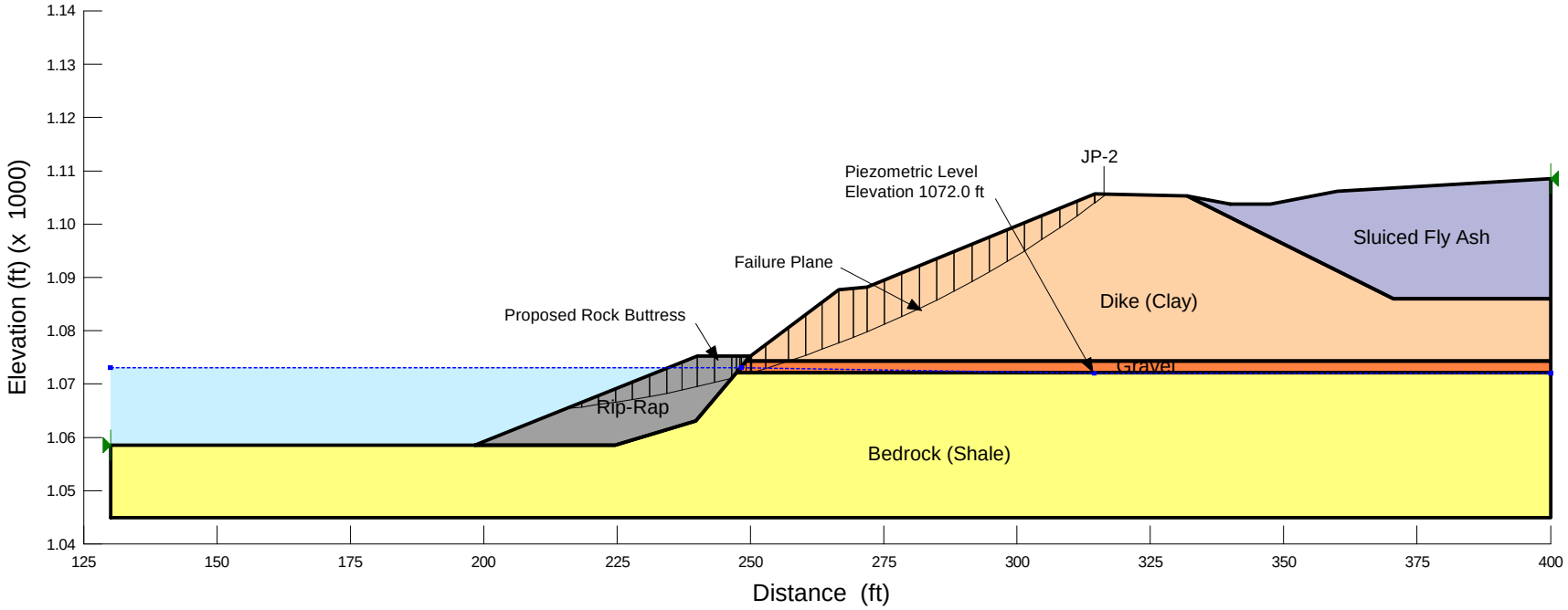
Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section M-M' Repair
# Bench 10 ft & Slope 2.5:1
# River Pool Elevation 1073.0 ft




Method: Spencer

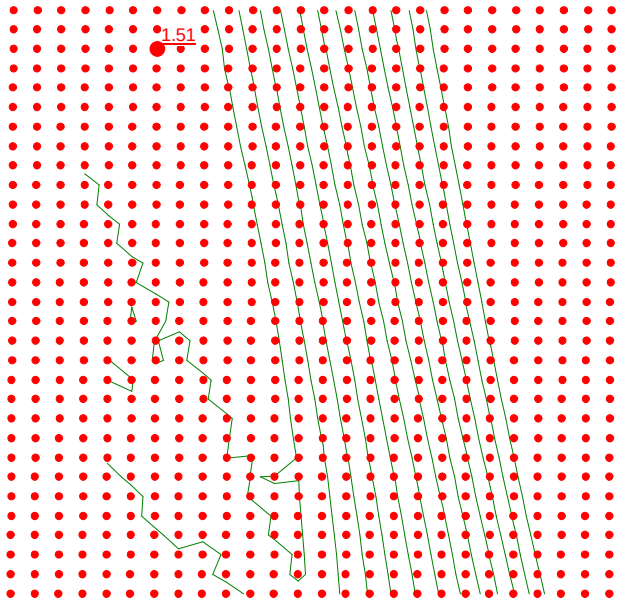
Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

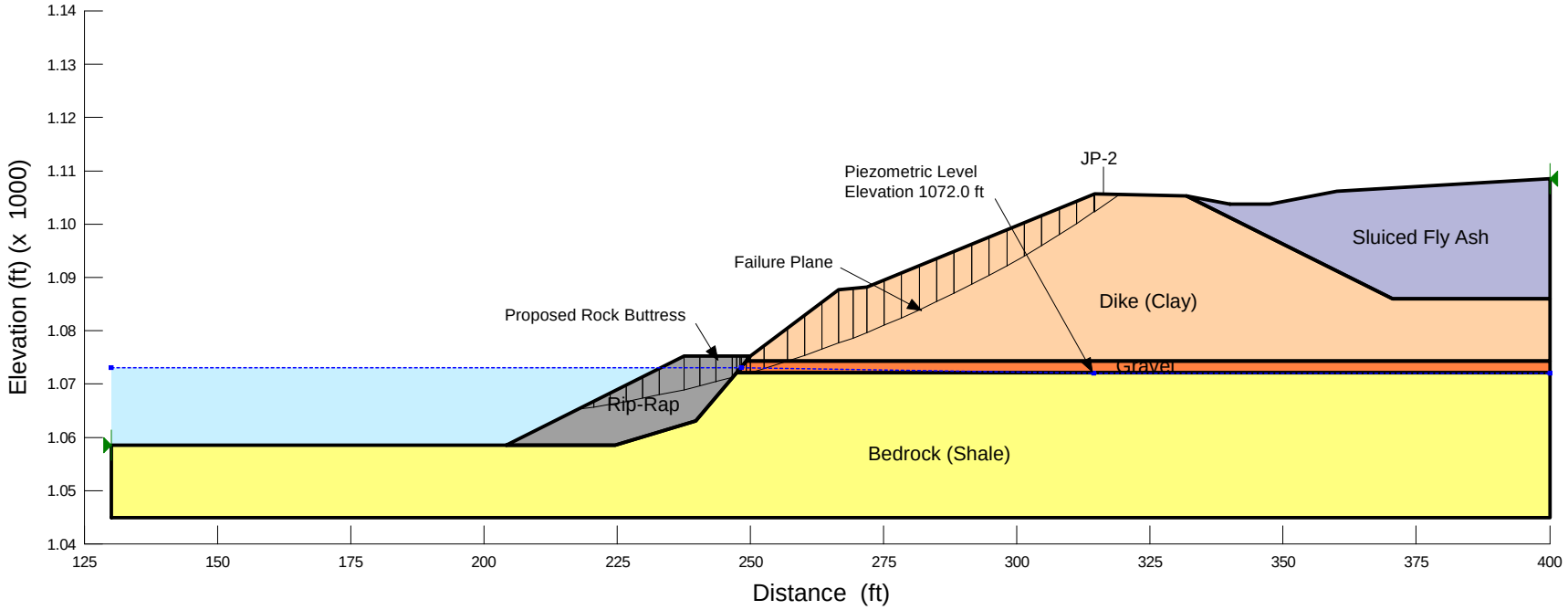
Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)




Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.

# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section M-M' Repair
# Bench 12.5 ft & Slope 2:1
# River Pool Elevation 1073.0 ft




Method: Spencer

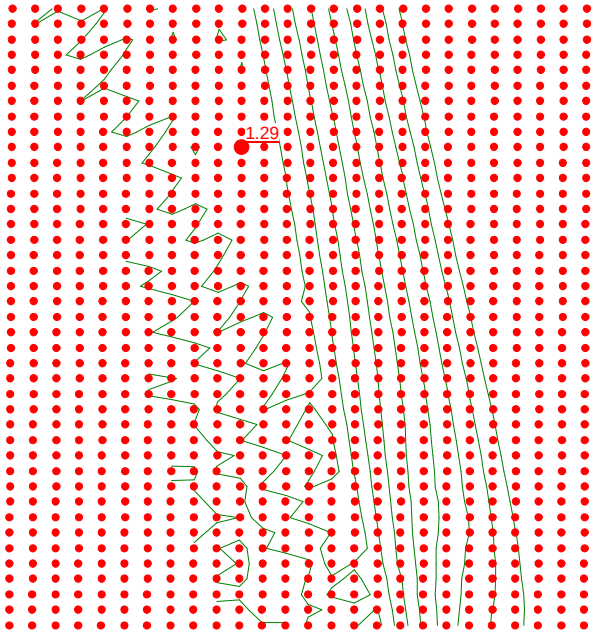
Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

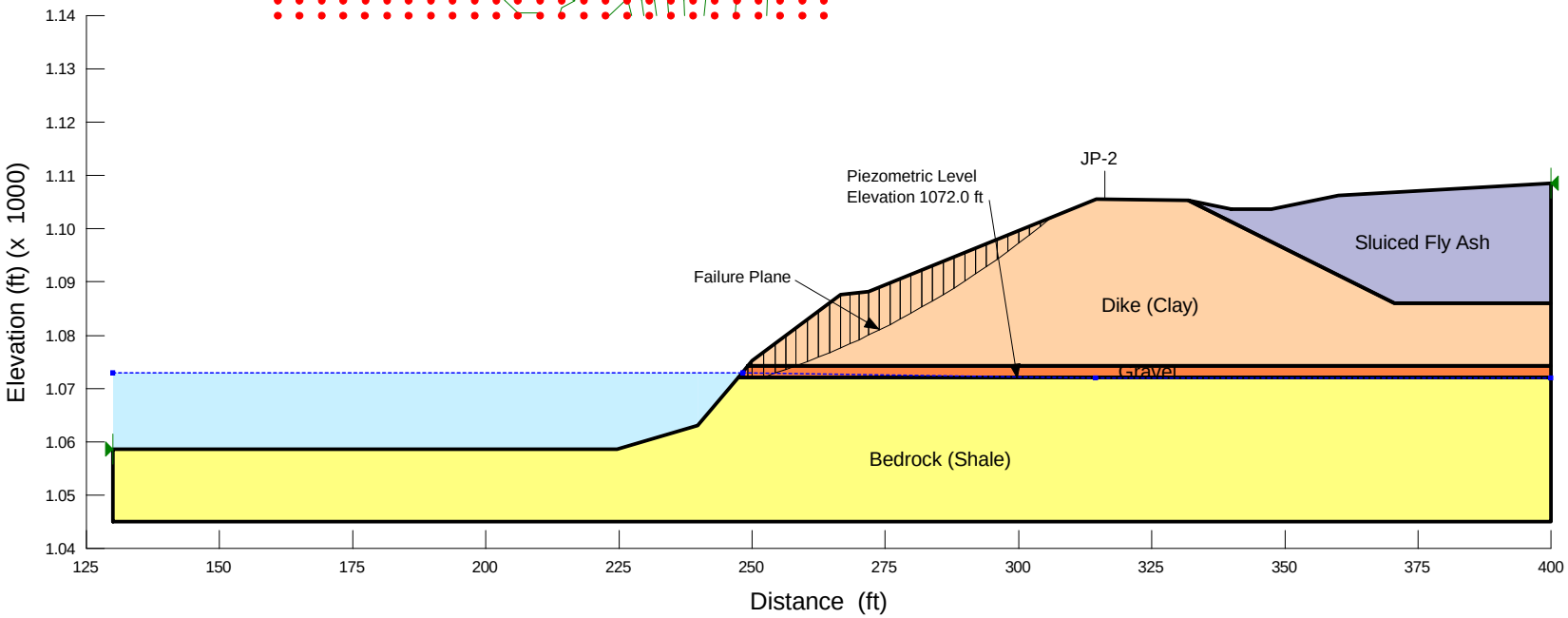
Name: Rip-Rap
Unit Weight: 115 pcf
Cohesion: 0 psf
Phi: 40 °

Name: Bedrock (Shale)




# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section M-M'
# River Pool Elevation 1073.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurfacea conditons betweeen the borings.



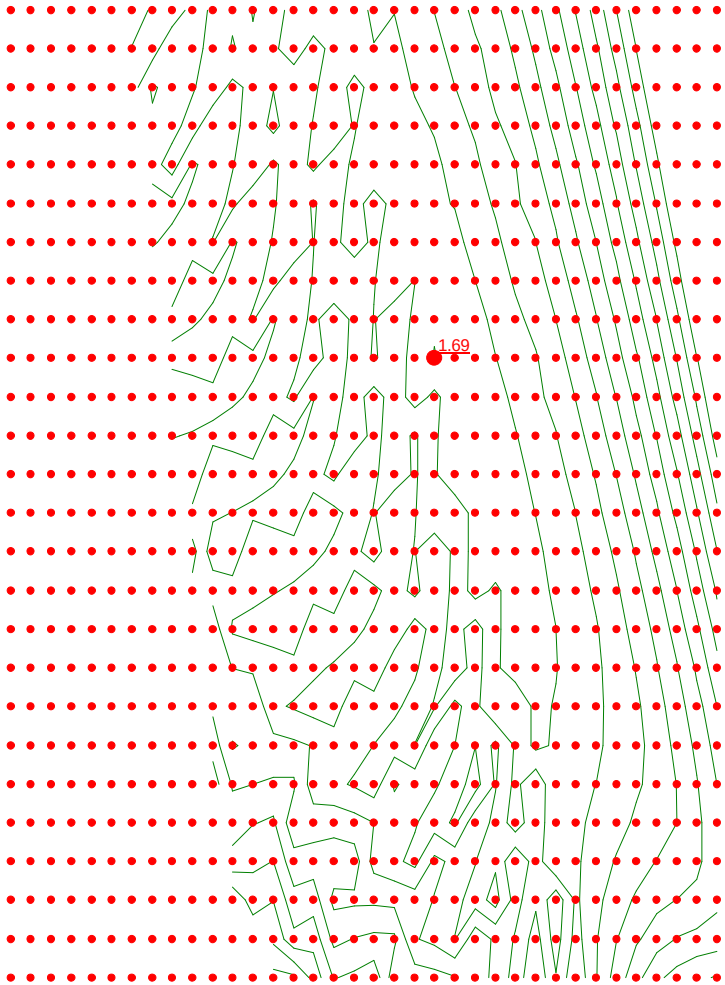

Method: Spencer

Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

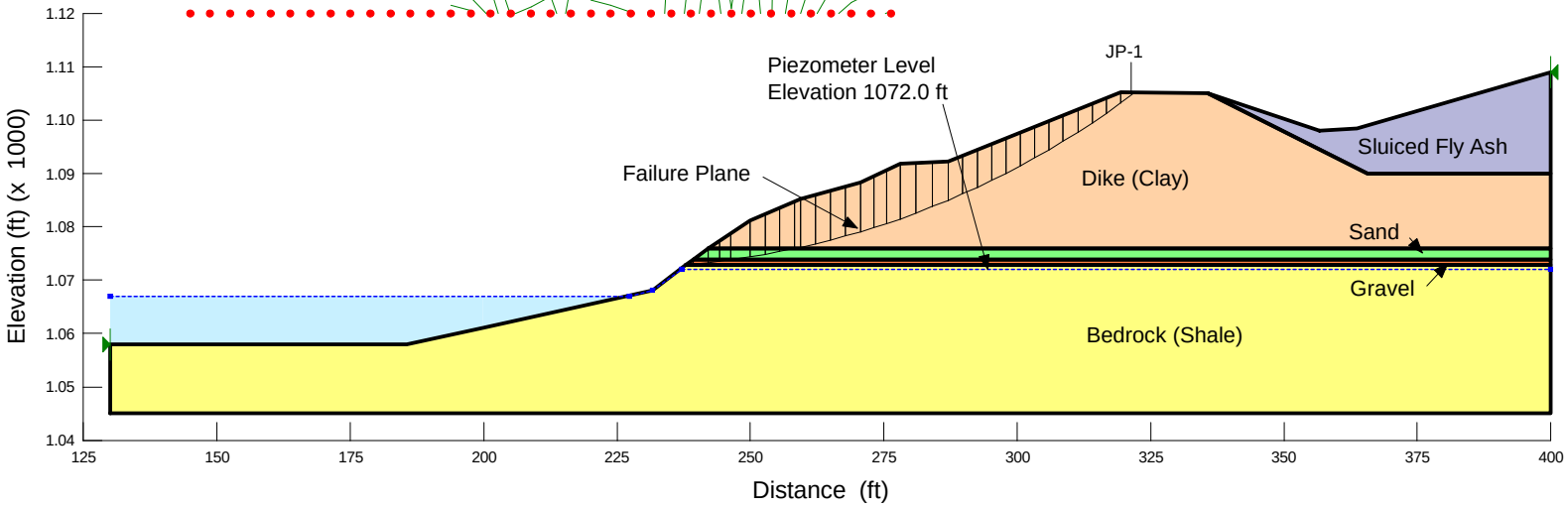
Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Bedrock (Shale)




# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section O-O'
# River Pool Elevation 1067.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditions between the borings.




Method: Spencer

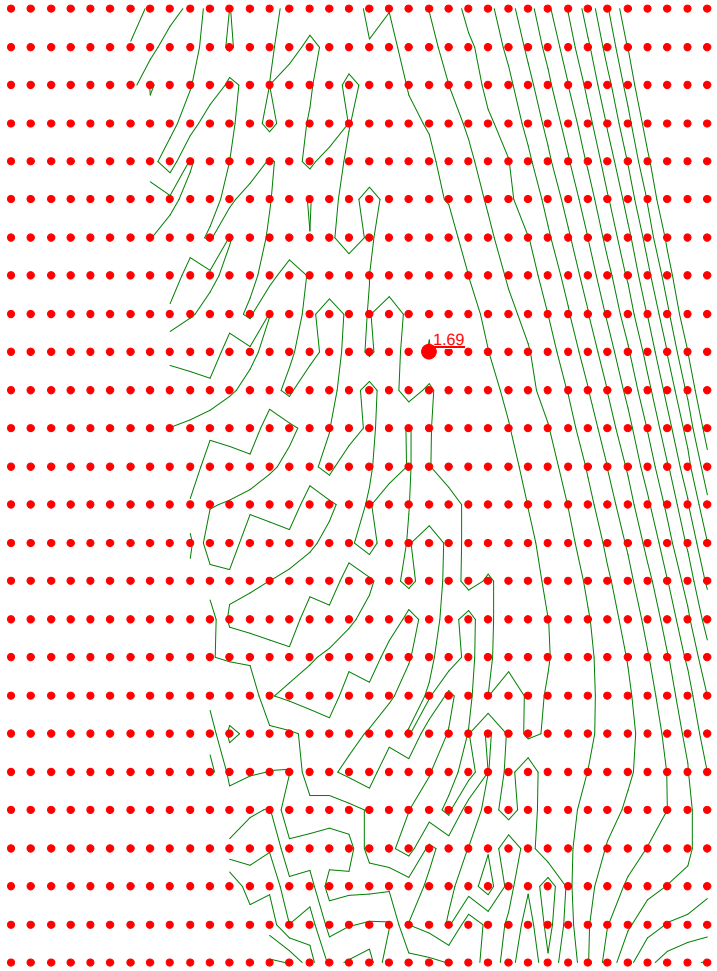
Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Sand
Unit Weight: 118 pcf
Cohesion: 0 psf
Phi: 30 °

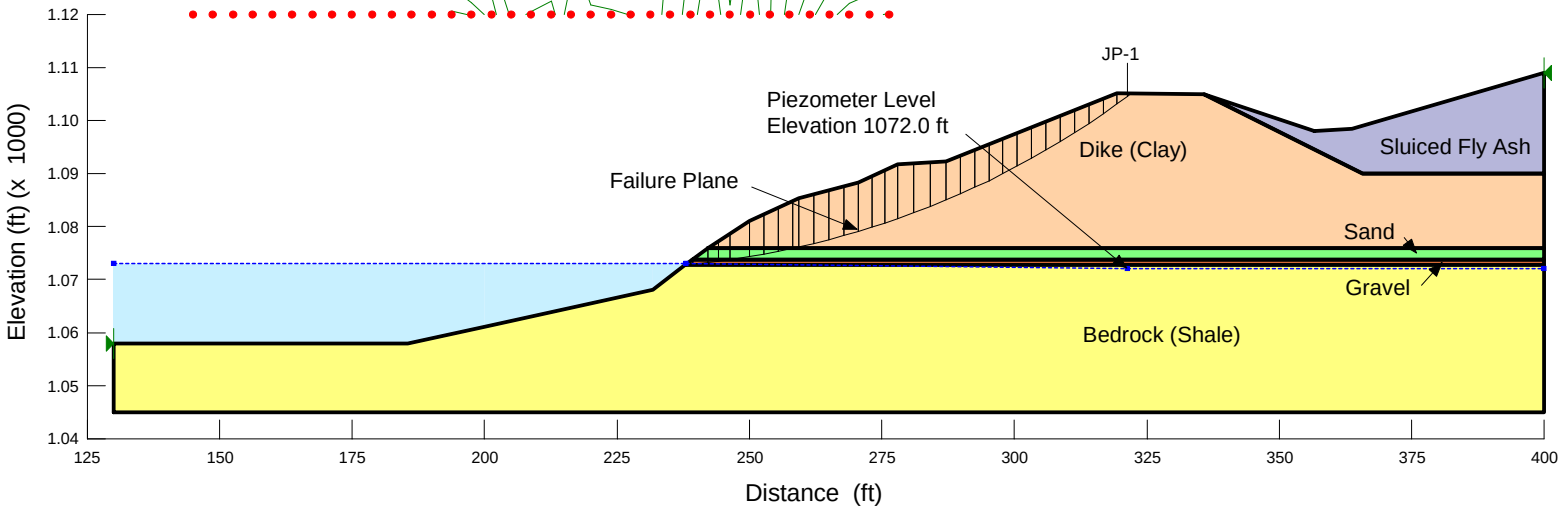
Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Bedrock (Shale)




# John Sevier Fossil Plant
# Ash Disposal Area J
# Slope Analysis Section O-O'
# River Pool Elevation 1073.0 ft

Note:
The results of analysis shown here are based on available subsurface information, laboratory test results, and approximate soil properties. No warranties can be made regarding the continuity of subsurface conditions between the borings.




Method: Spencer

Name: Dike (Clay)
Unit Weight: 124 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Sluiced Fly Ash
Unit Weight: 105 pcf
Cohesion: 0 psf
Phi: 24 °

Name: Sand
Unit Weight: 118 pcf
Cohesion: 0 psf
Phi: 30 °

Name: Gravel
Unit Weight: 132 pcf
Cohesion: 0 psf
Phi: 37.5 °

Name: Bedrock (Shale)