

APPENDIX E — RESULTS OF GEOGRID PULLOUT SIMULATION

E.1 MEDIUM MESH COARSENESS

Medium mesh – 36 elements on each side of geogrid (3-m geogrid)

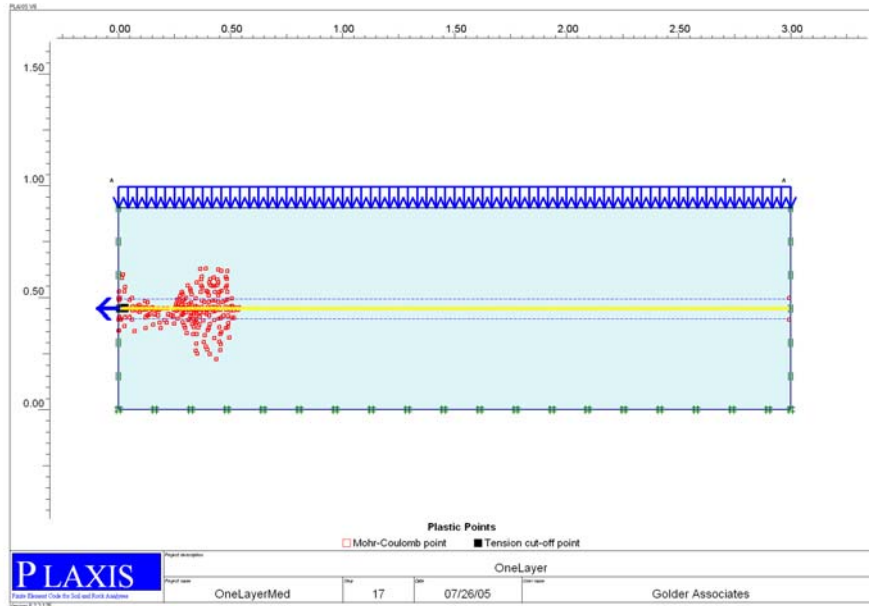


Figure 97. Screenshot. Plastic point development at displacement of 0.005 m, medium mesh.

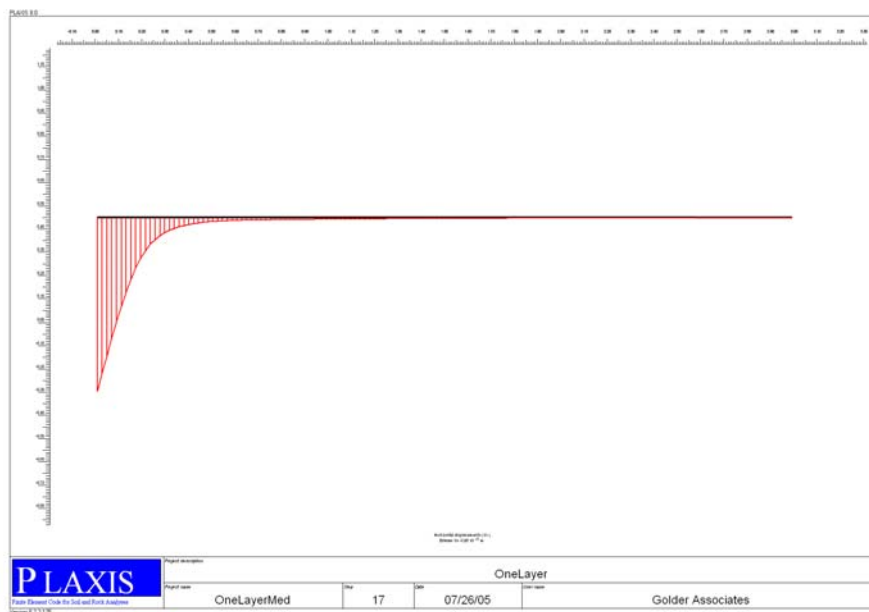


Figure 98. Screenshot. Geogrid development length at displacement of 0.005 m, medium mesh.

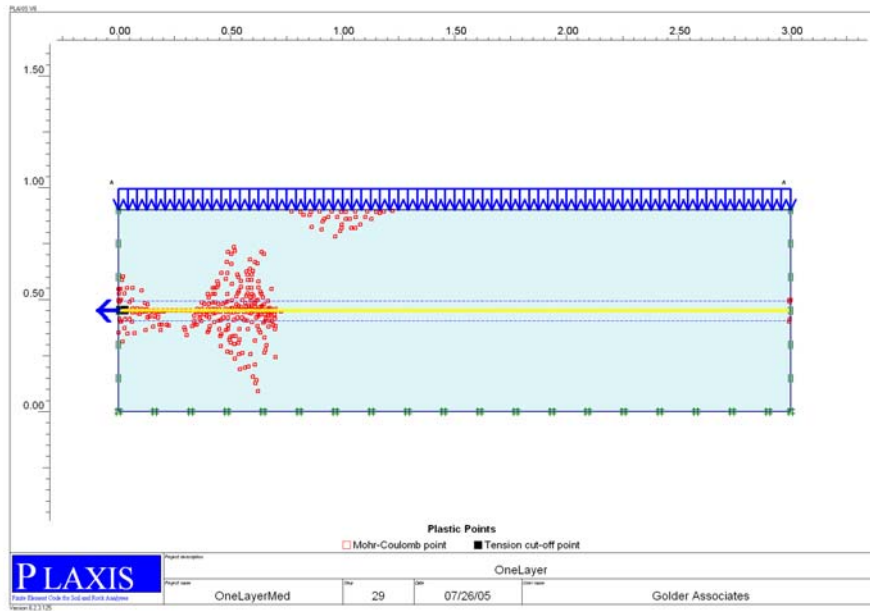


Figure 99. Screenshot. Plastic point development at displacement of 0.010 m, medium mesh.

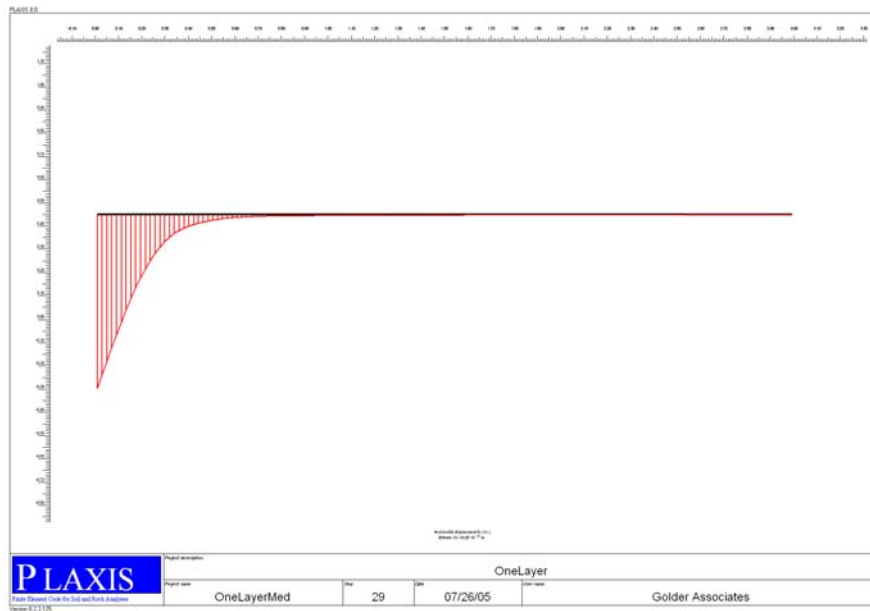


Figure 100. Screenshot. Geogrid development length at displacement of 0.010 m, medium mesh.

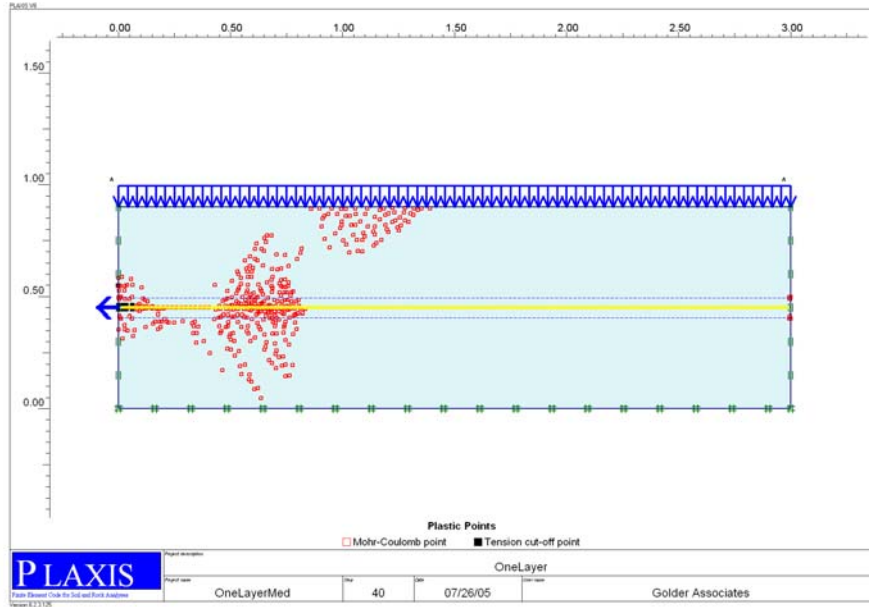


Figure 101. Screenshot. Plastic point development at displacement of 0.015 m, medium mesh.

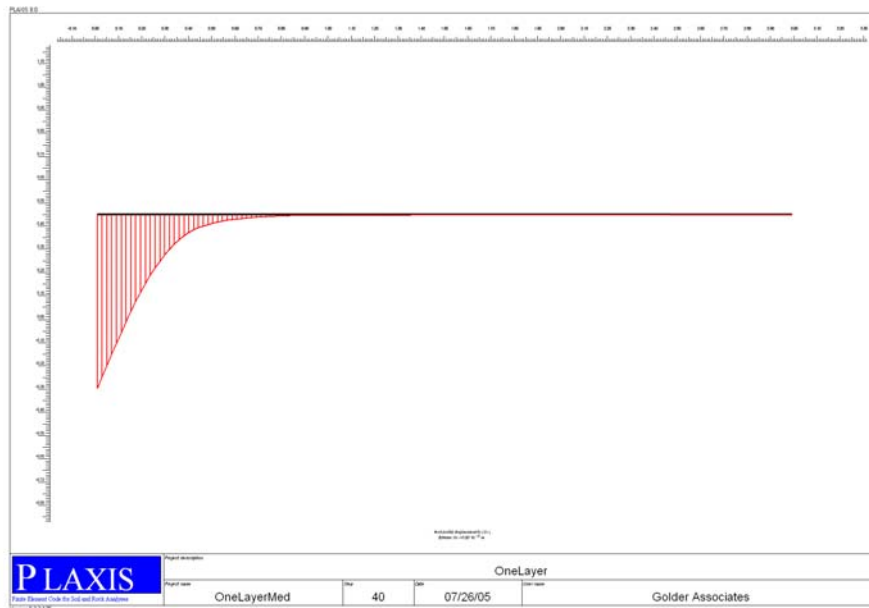


Figure 102. Screenshot. Geogrid development length at displacement of 0.015 m, medium mesh.

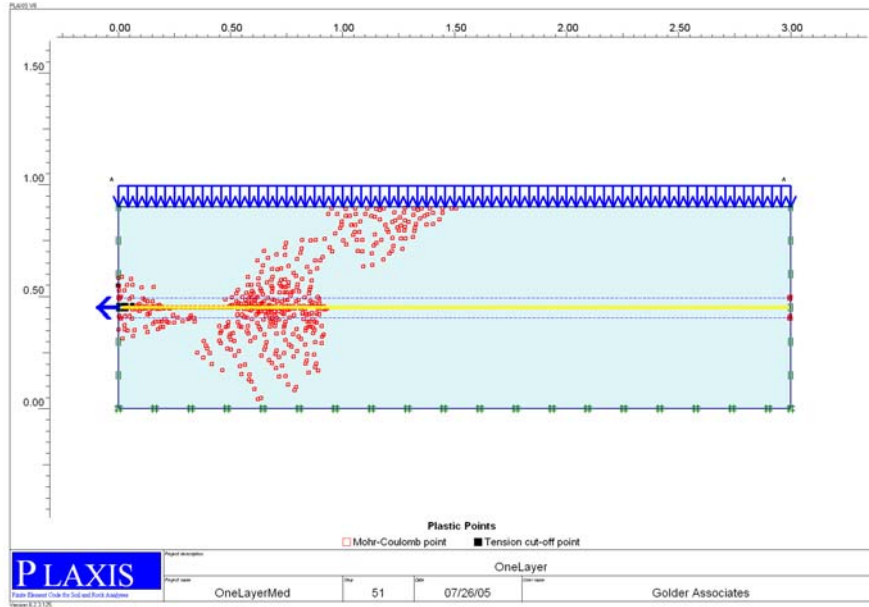


Figure 103. Screenshot. Plastic point development at displacement of 0.02 m, medium mesh.

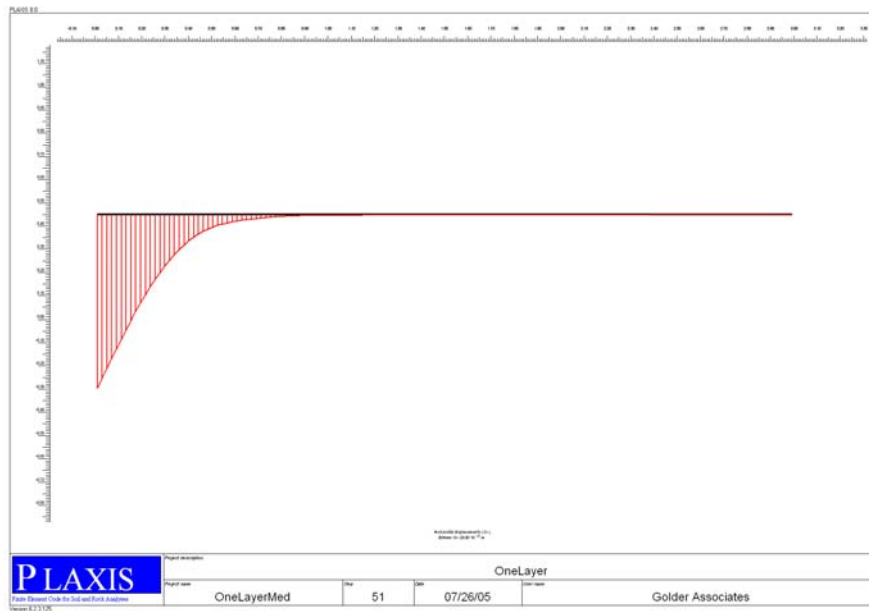


Figure 104. Screenshot. Geogrid development length at displacement of 0.02 m, medium mesh.

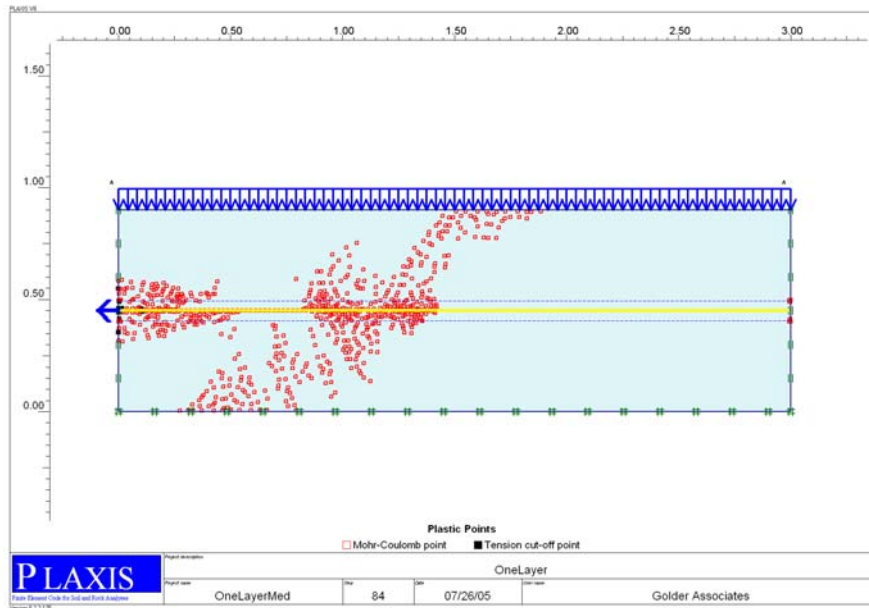


Figure 105. Screenshot. Plastic point development at displacement of 0.05 m, medium mesh.

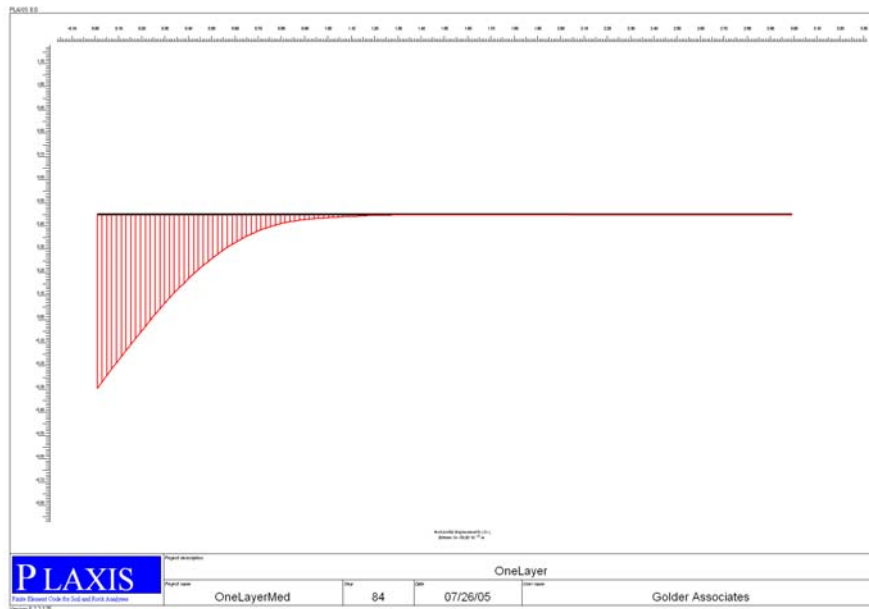


Figure 106. Screenshot. Geogrid development length at displacement of 0.05 m, medium mesh.

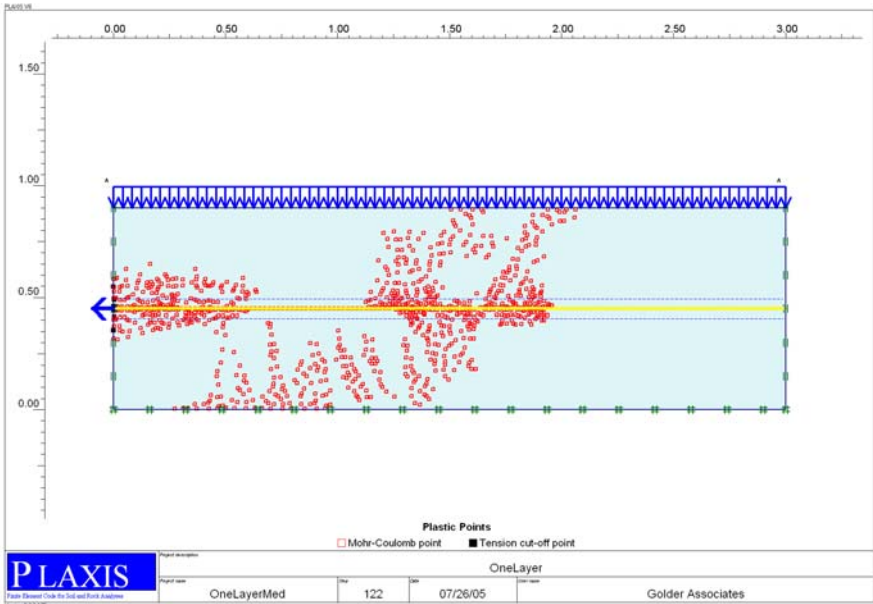


Figure 107. Screenshot. Plastic point development at displacement of 0.10 m, medium mesh.

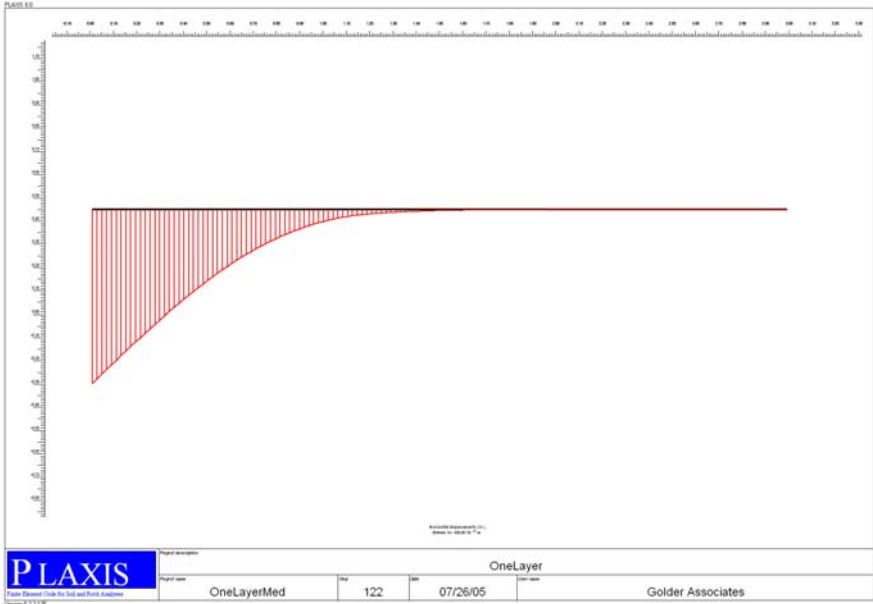


Figure 108. Screenshot. Geogrid development length at displacement of 0.10 m, medium mesh.

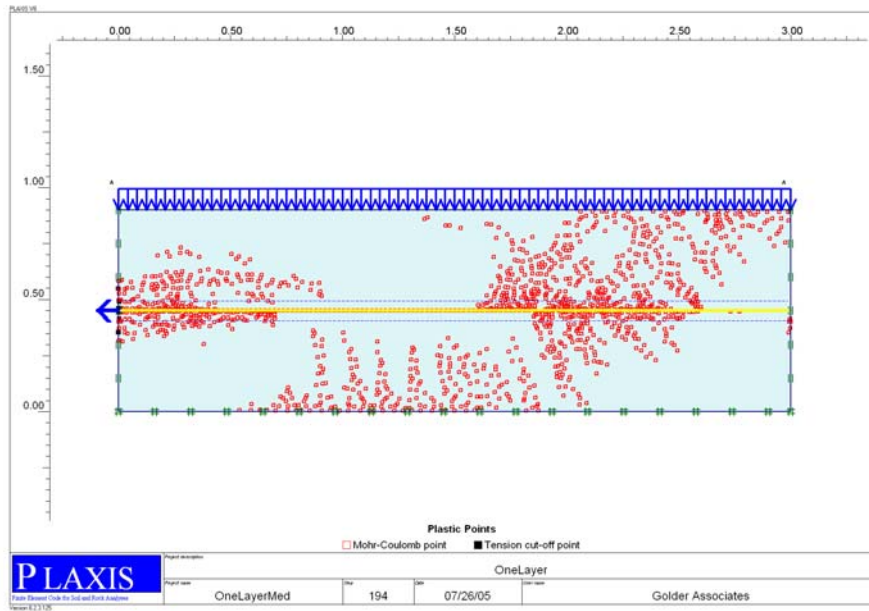


Figure 109. Screenshot. Plastic point development at displacement of 0.20 m, medium mesh.

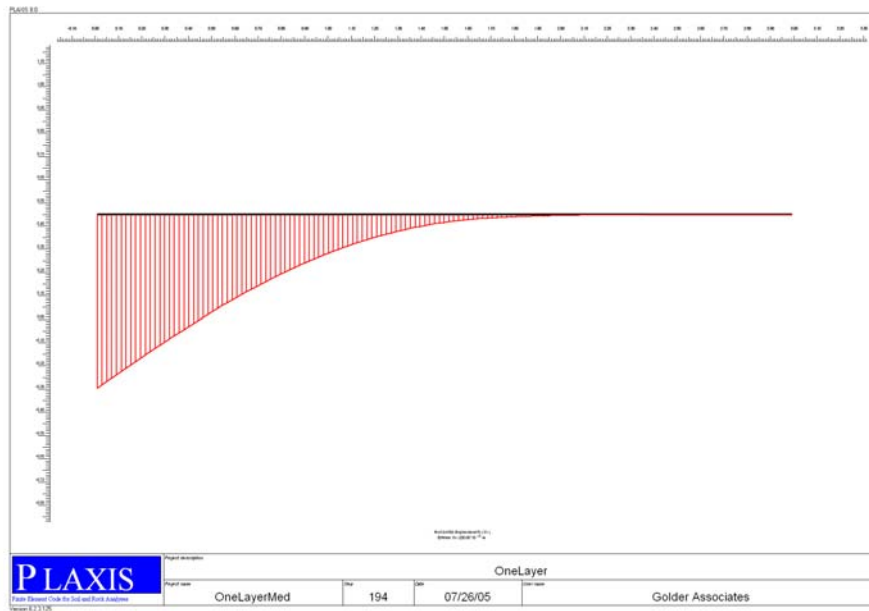


Figure 110. Screenshot. Geogrid development length at displacement of 0.20 m, medium mesh.

E.2 VERY FINE MESH COARSENESS

Very fine mesh – 73 elements on each side of geogrid (3-m geogrid)

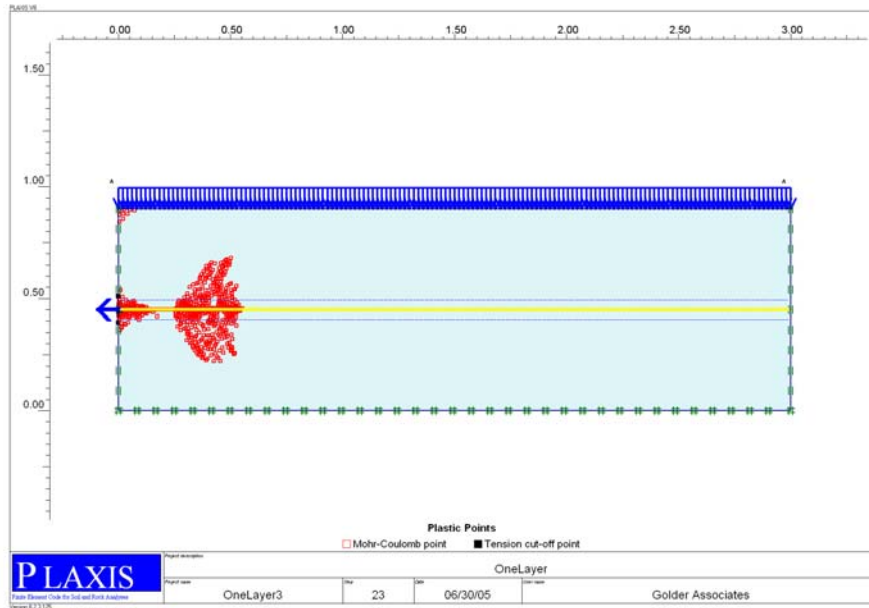


Figure 111. Screenshot. Plastic point development at displacement of 0.005 m, very fine mesh.

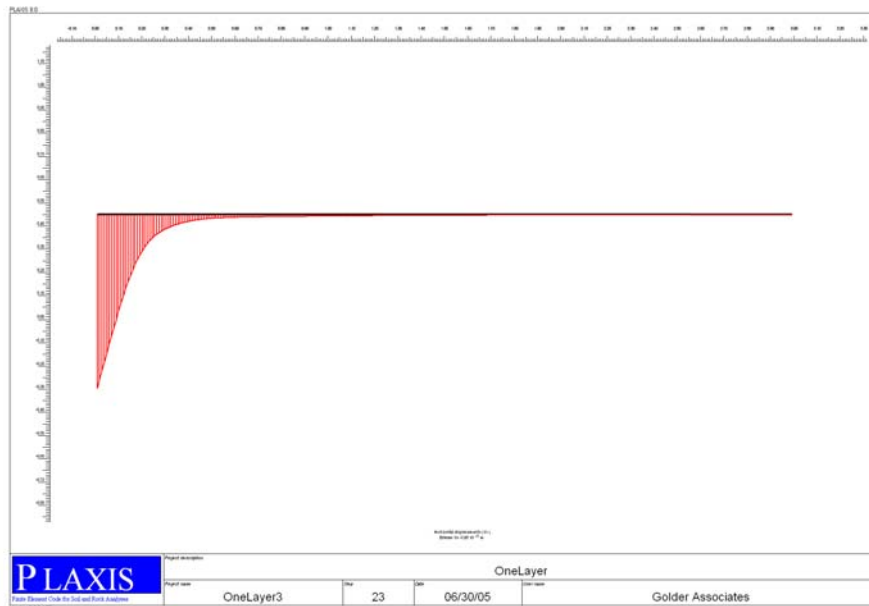


Figure 112. Screenshot. Geogrid development length at displacement of 0.005 m, very fine mesh.

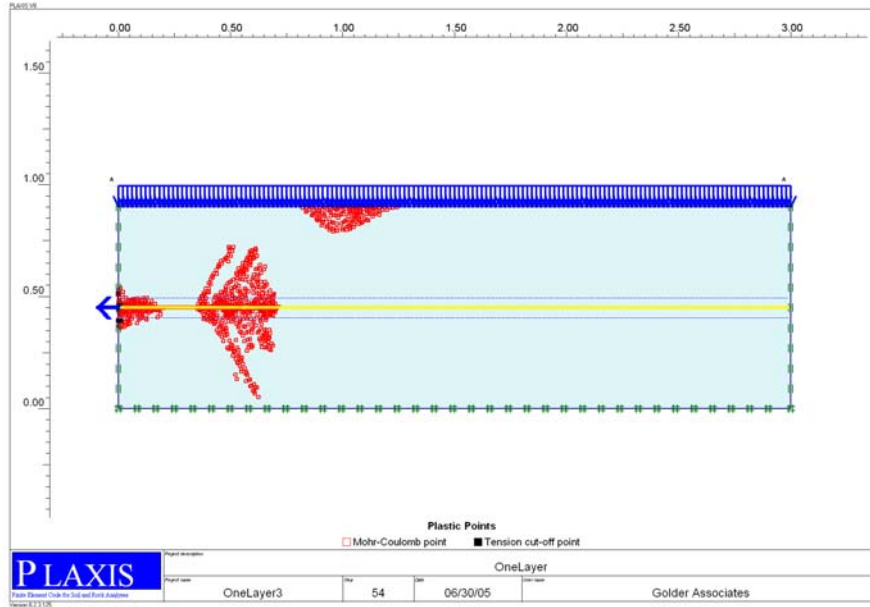


Figure 113. Screenshot. Plastic point development at displacement of 0.010 m, very fine mesh.

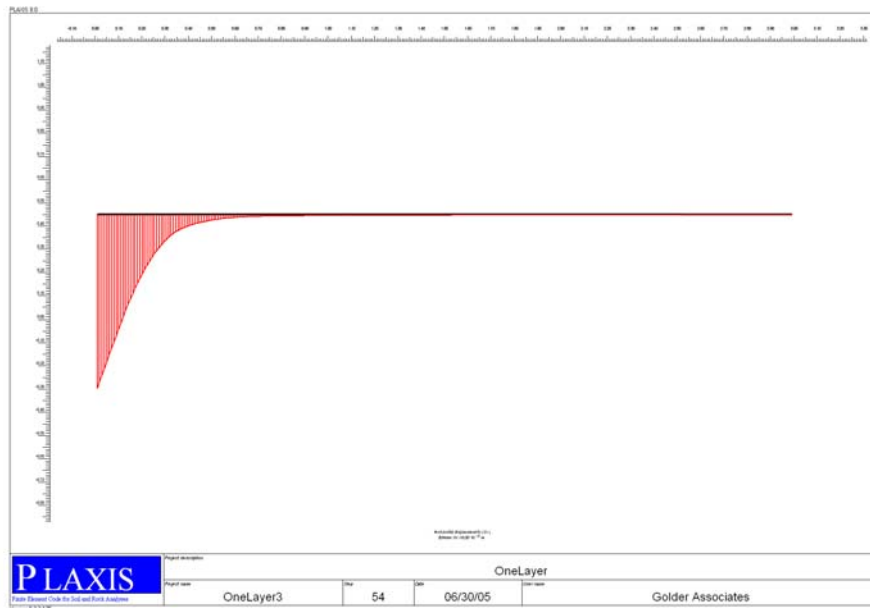


Figure 114. Screenshot. Geogrid development length at displacement of 0.010 m, very fine mesh.

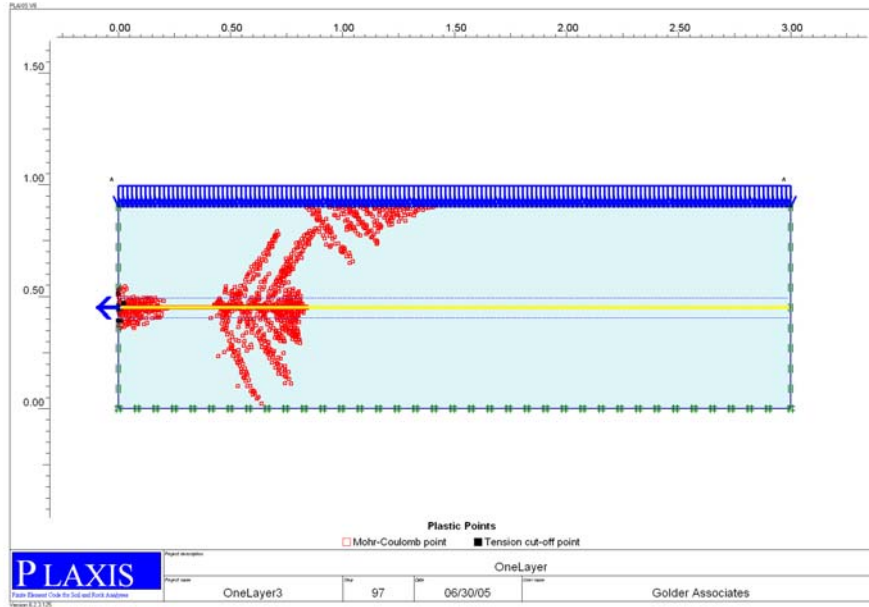


Figure 115. Screenshot. Plastic point development at displacement of 0.015 m, very fine mesh.

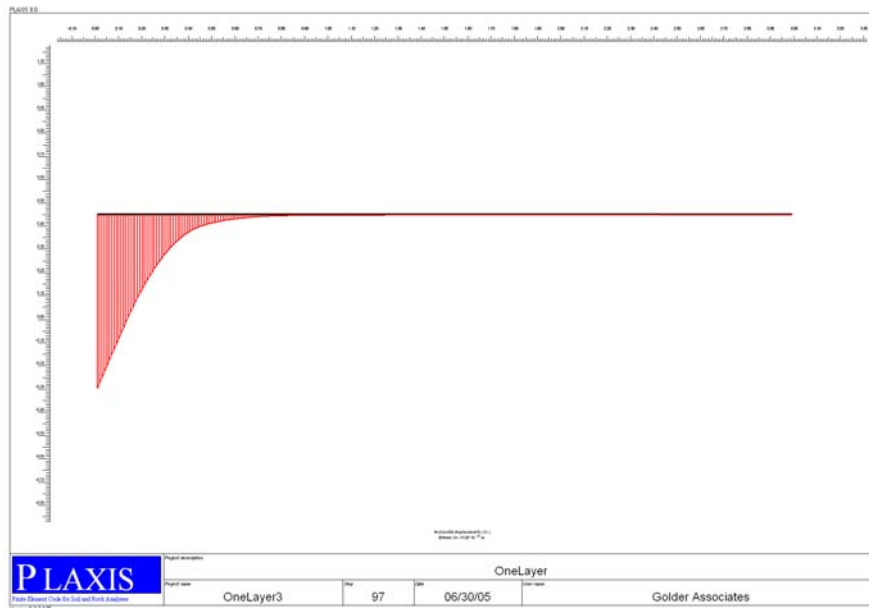


Figure 116. Screenshot. Geogrid development length at displacement of 0.015 m, very fine mesh.

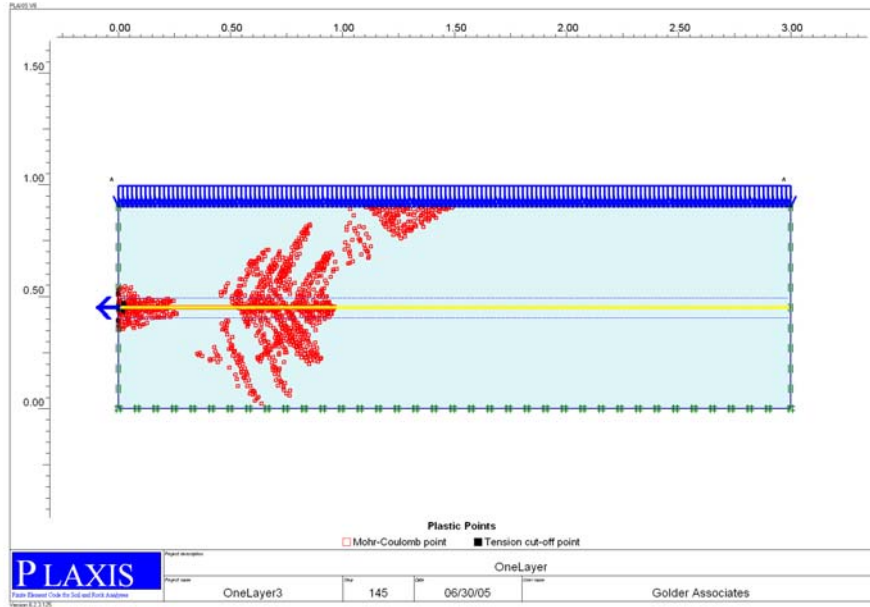


Figure 117. Screenshot. Plastic point development at displacement of 0.02 m, very fine mesh.

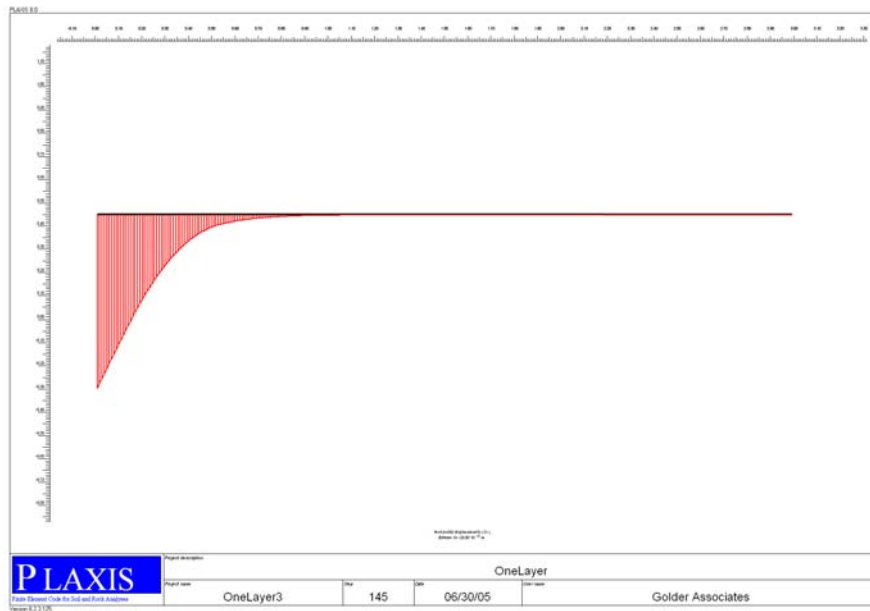


Figure 118. Screenshot. Geogrid development length at displacement of 0.02 m, very fine mesh.

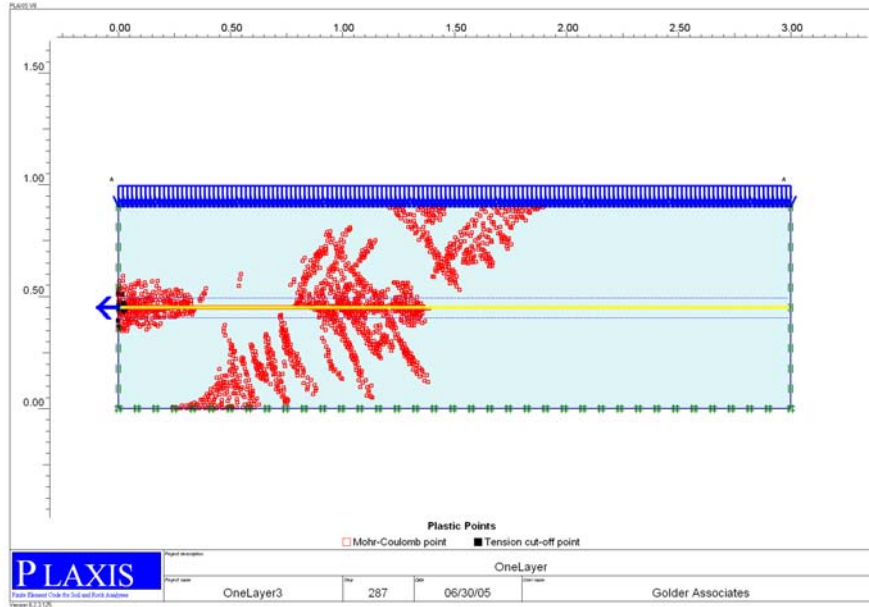


Figure 119. Screenshot. Plastic point development at displacement of 0.05 m, very fine mesh.

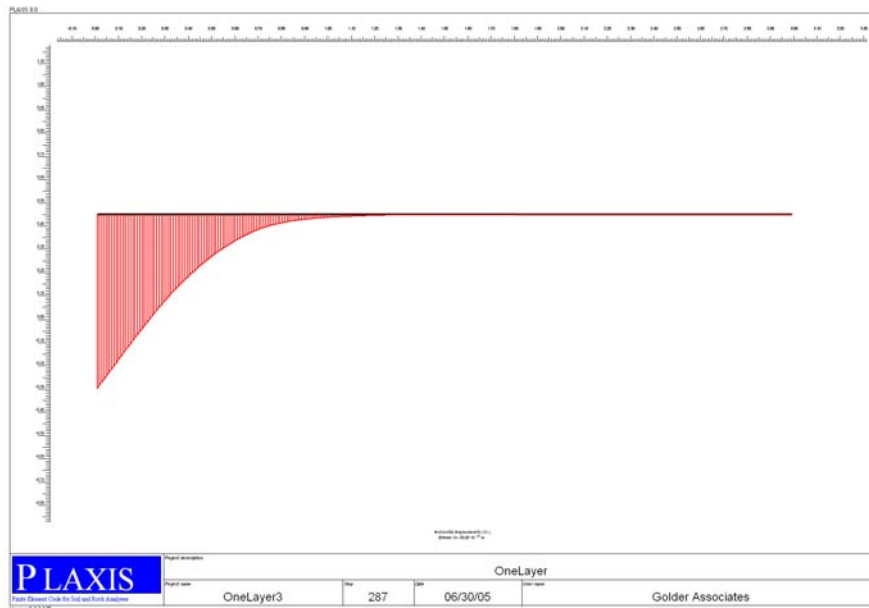


Figure 120. Screenshot. Geogrid development length at displacement of 0.05 m, very fine mesh.

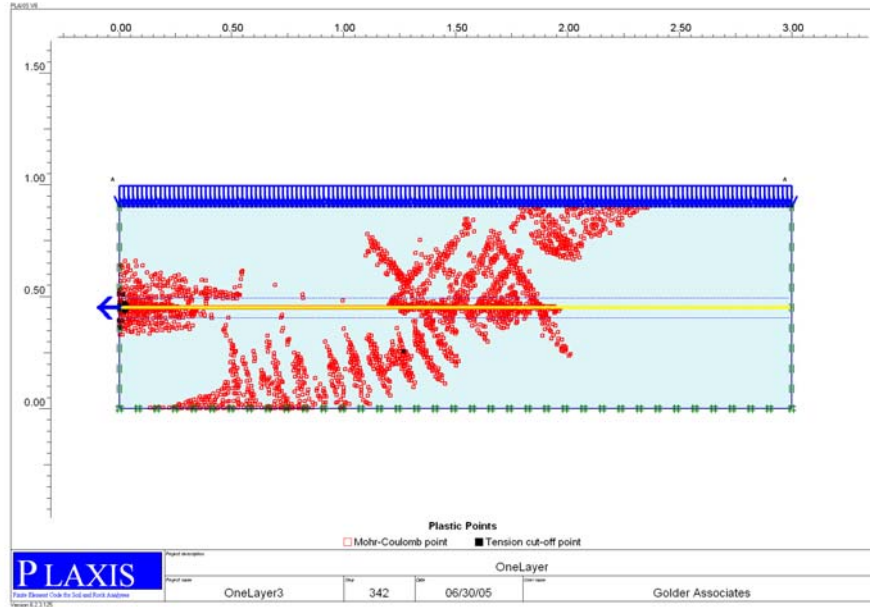


Figure 121. Screenshot. Plastic point development at displacement of 0.1 m, very fine mesh.

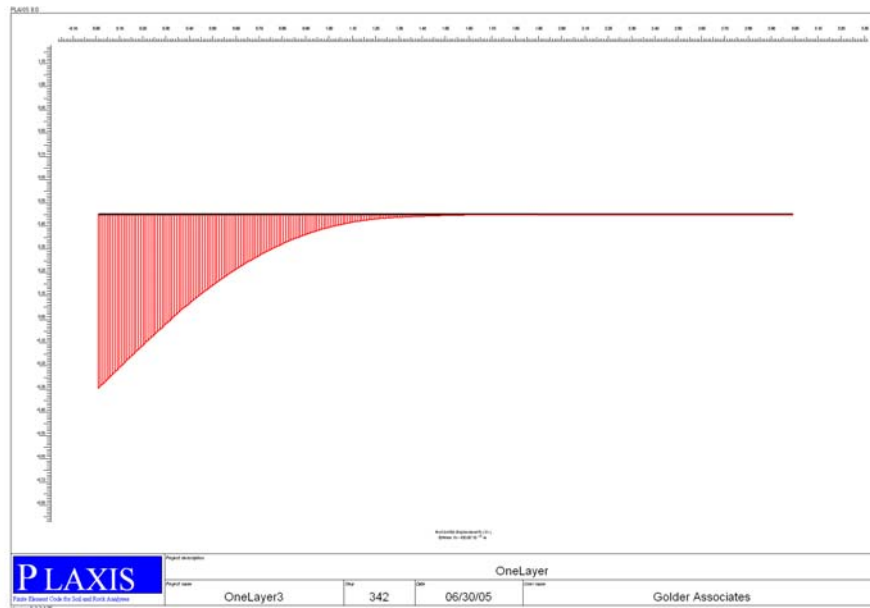


Figure 122. Screenshot. Geogrid development length at displacement of 0.1 m, very fine mesh.

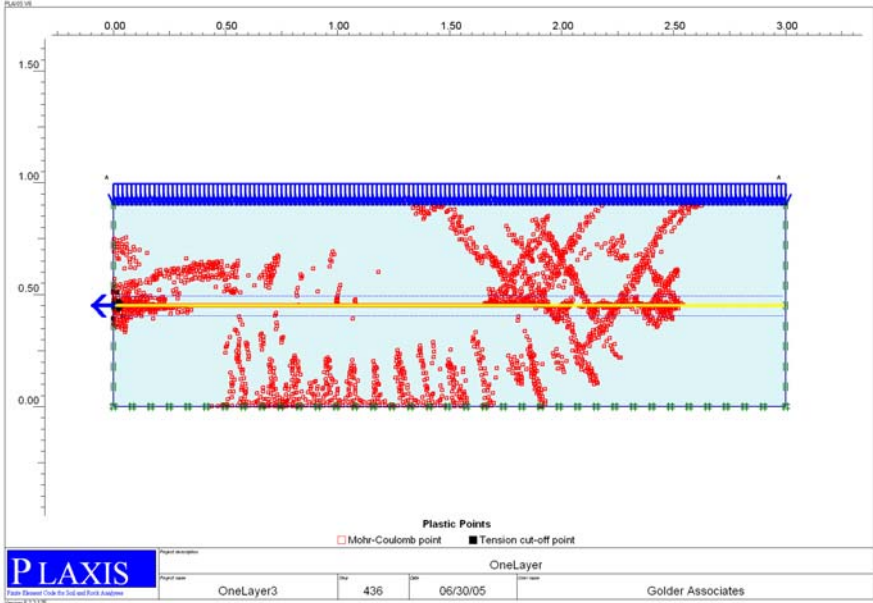


Figure 123. Screenshot. Plastic point development at displacement of 0.2 m, very fine mesh.

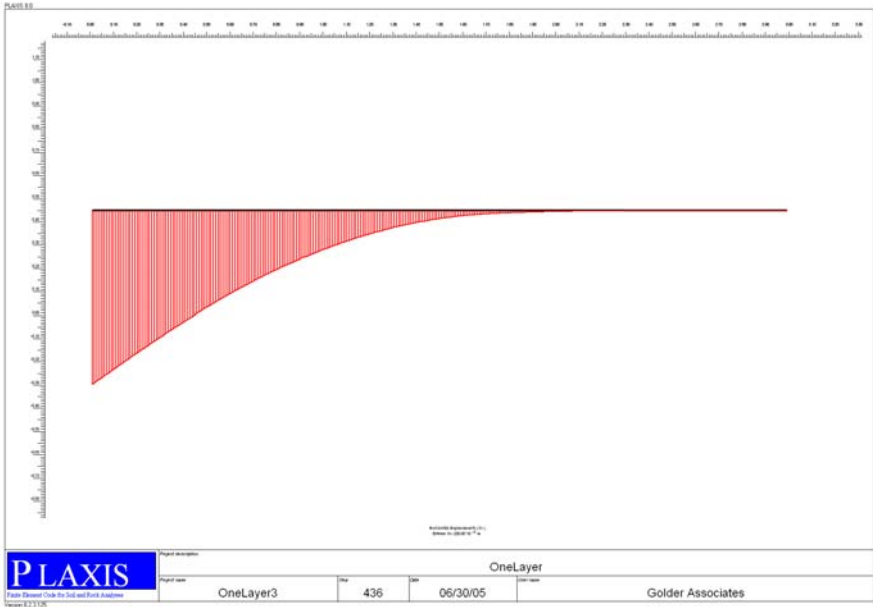


Figure 124. Screenshot. Geogrid development length at displacement of 0.2 m, very fine mesh.