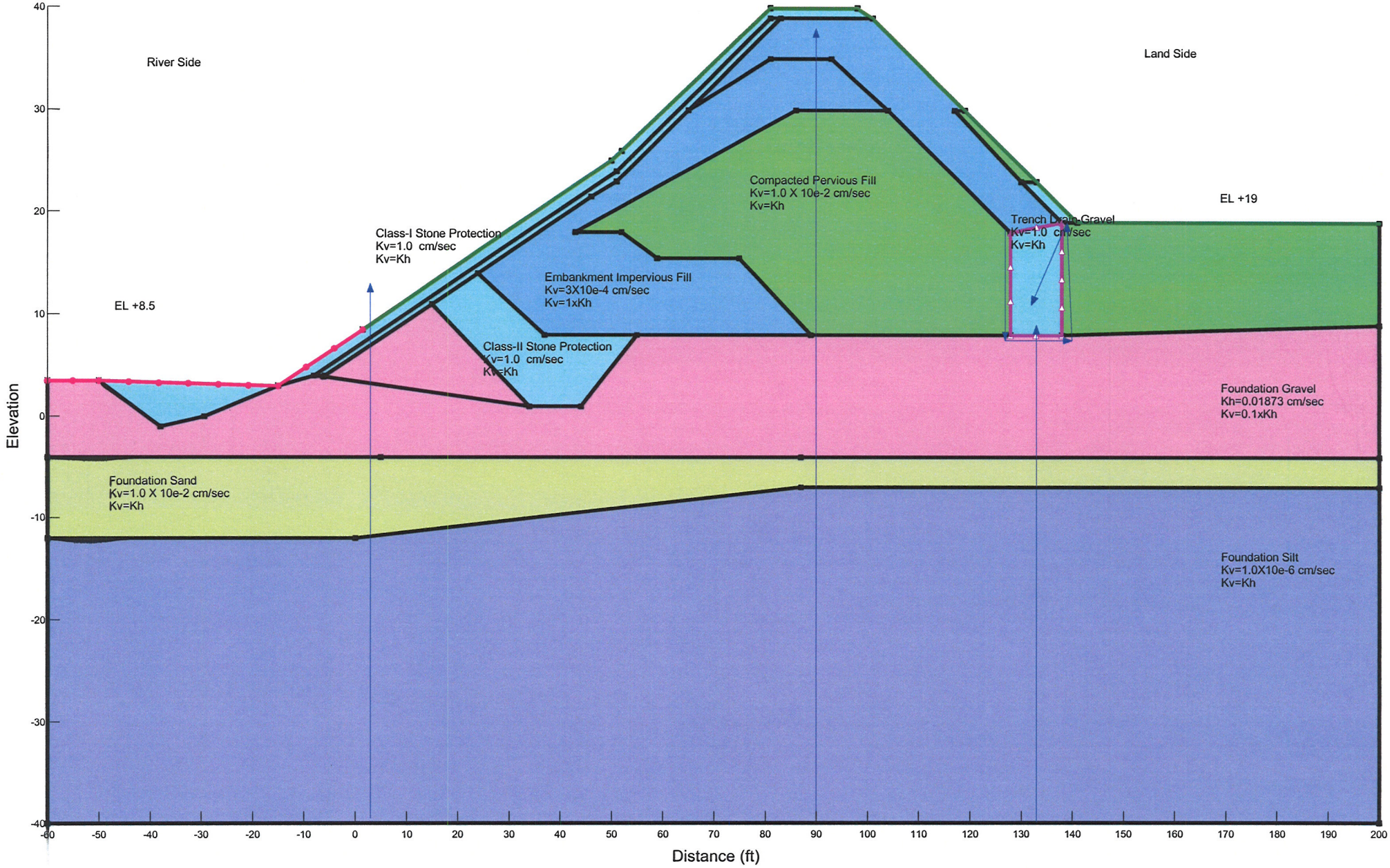
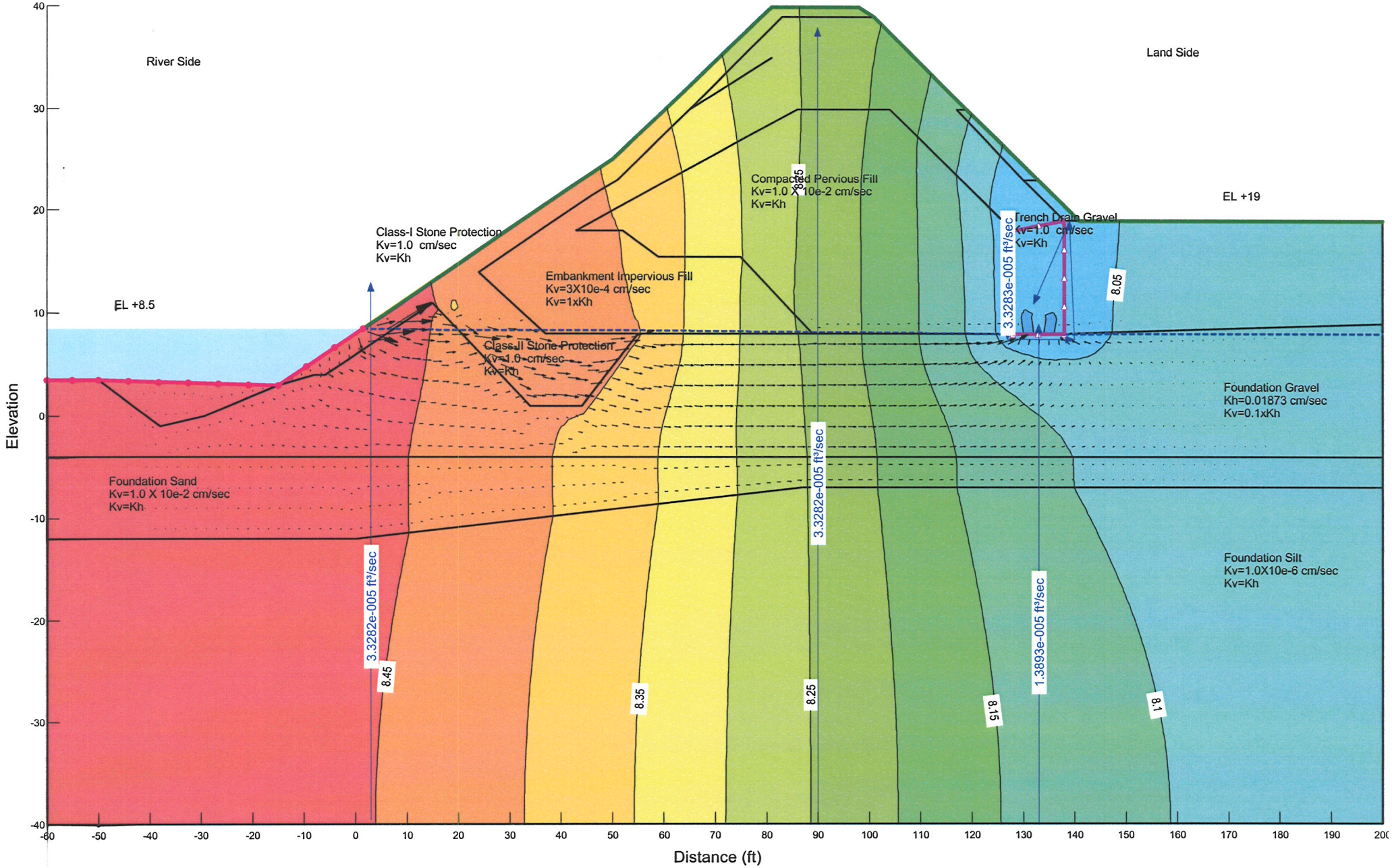
APPENDIX G

RESULTS OF SEEPAGE ANALYSIS

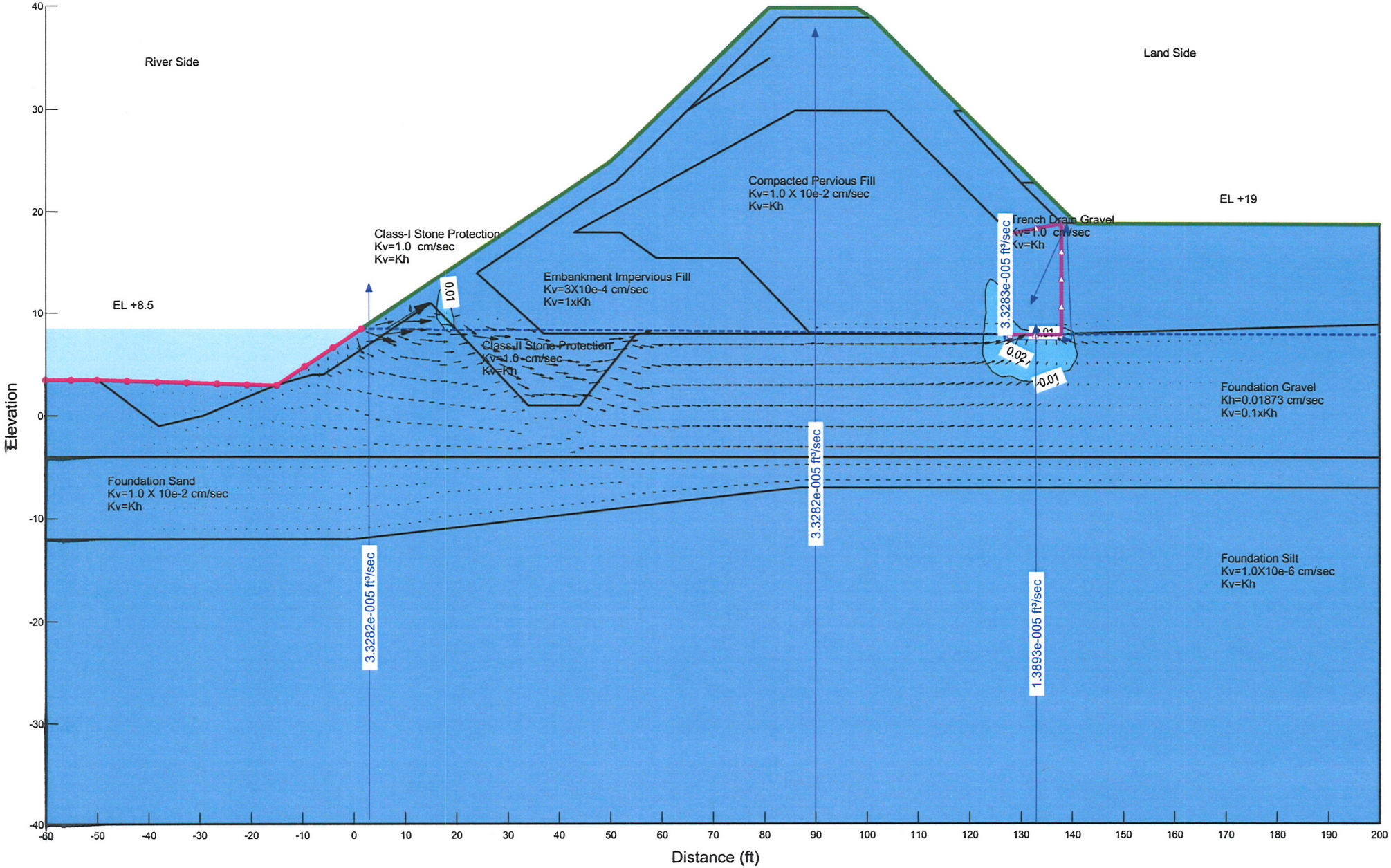
SEEP/W ANALYSIS SECTION AT PSS-2
Steady State Condition



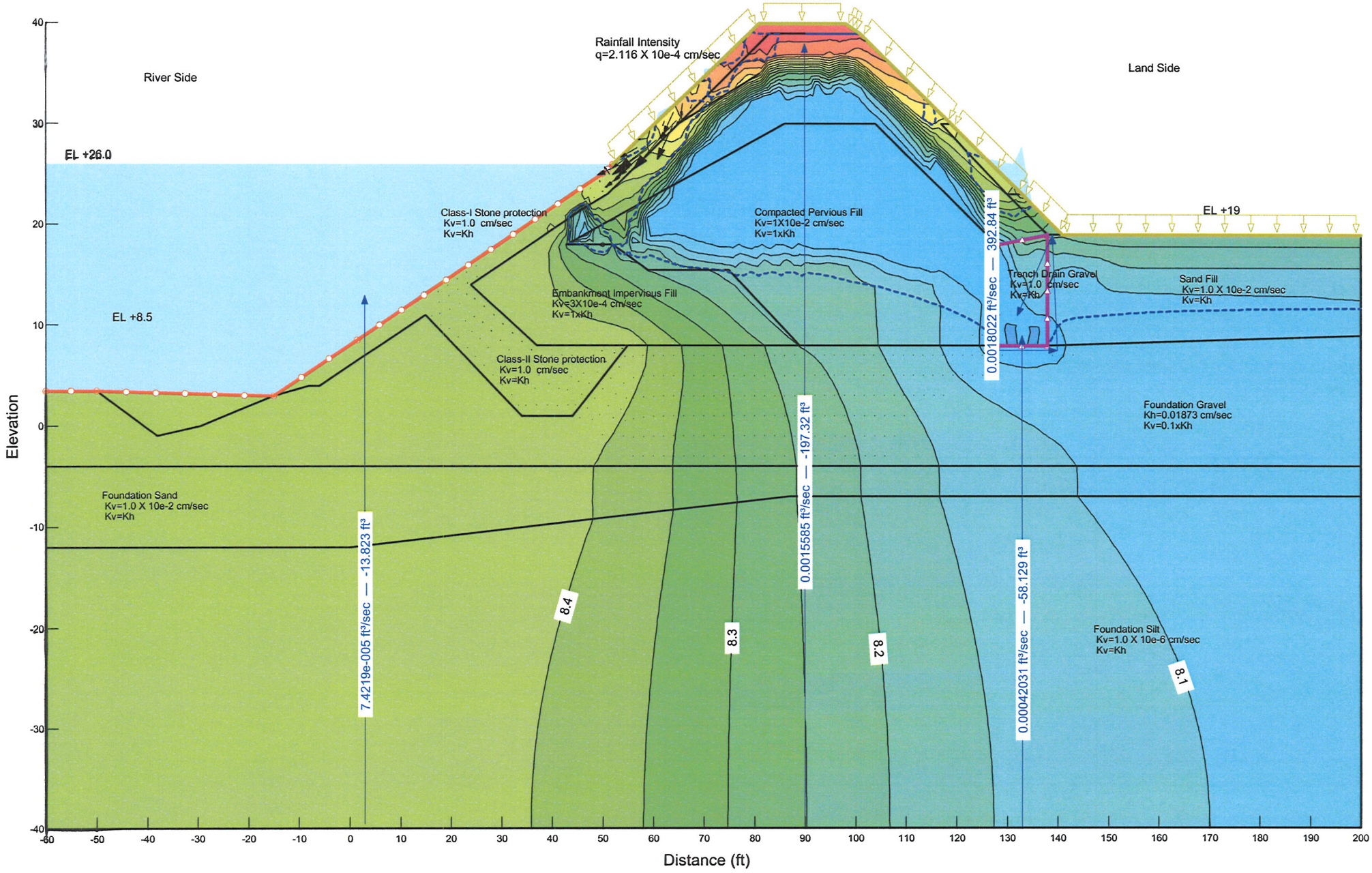
SEEP/W ANALYSIS SECTION AT PSS-2
Steady State Condition (Total Head)



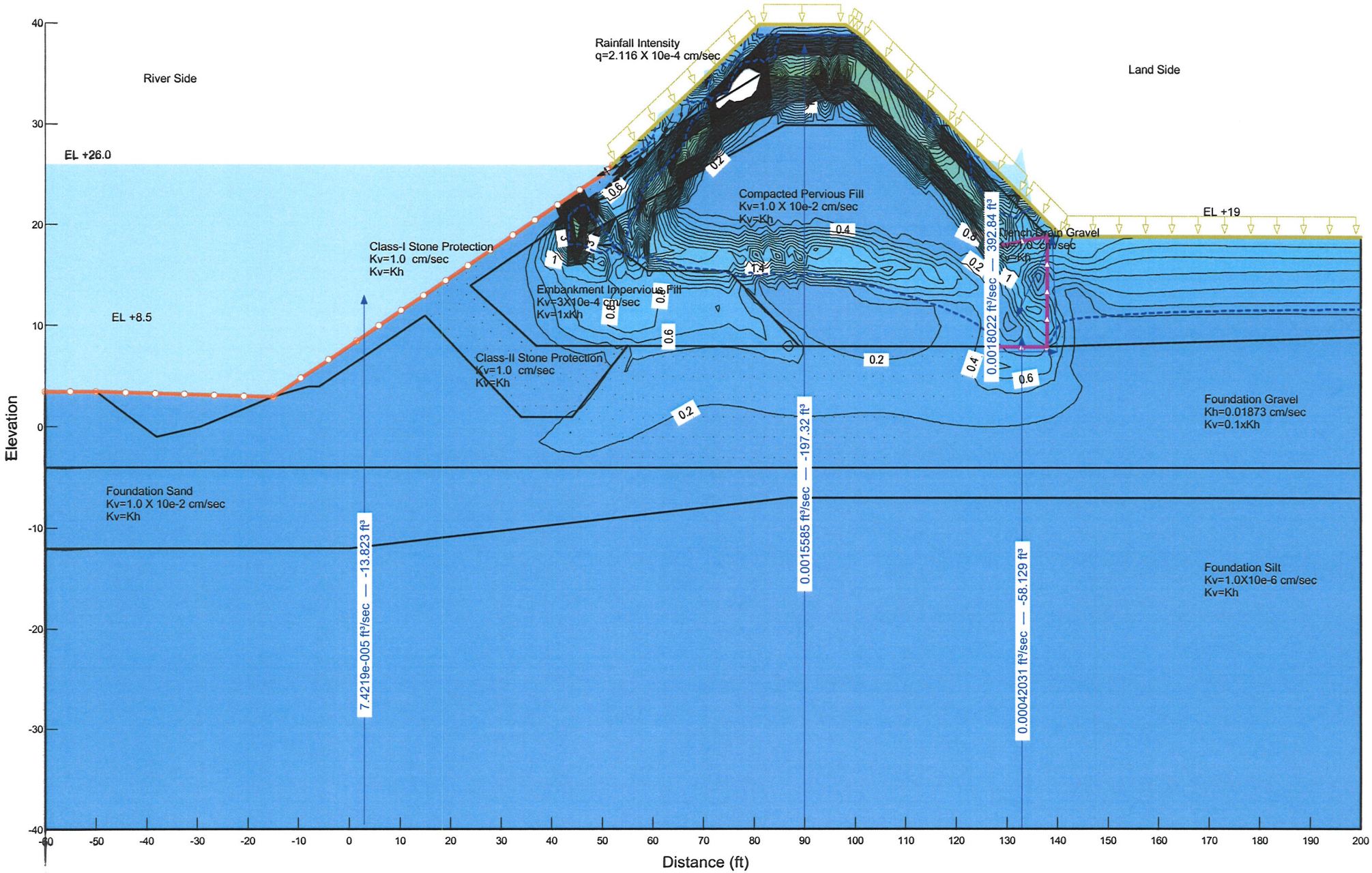
SEEP/W ANALYSIS SECTION AT PSS-2
Steady State Condition (Exit Gradient)



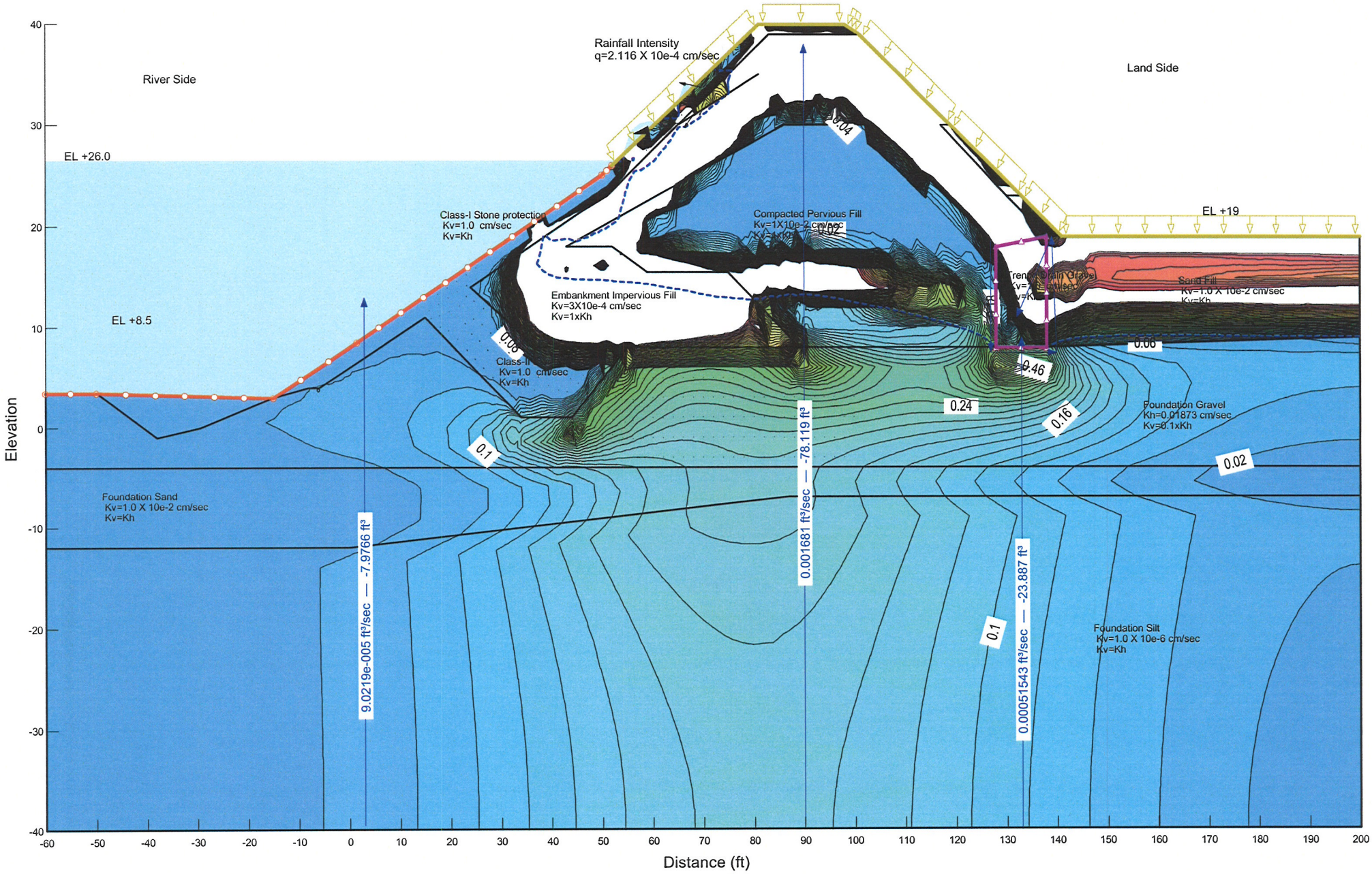
SEEP/W ANALYSIS SECTION AT PSS-2
High Flood Condition (Total Head)



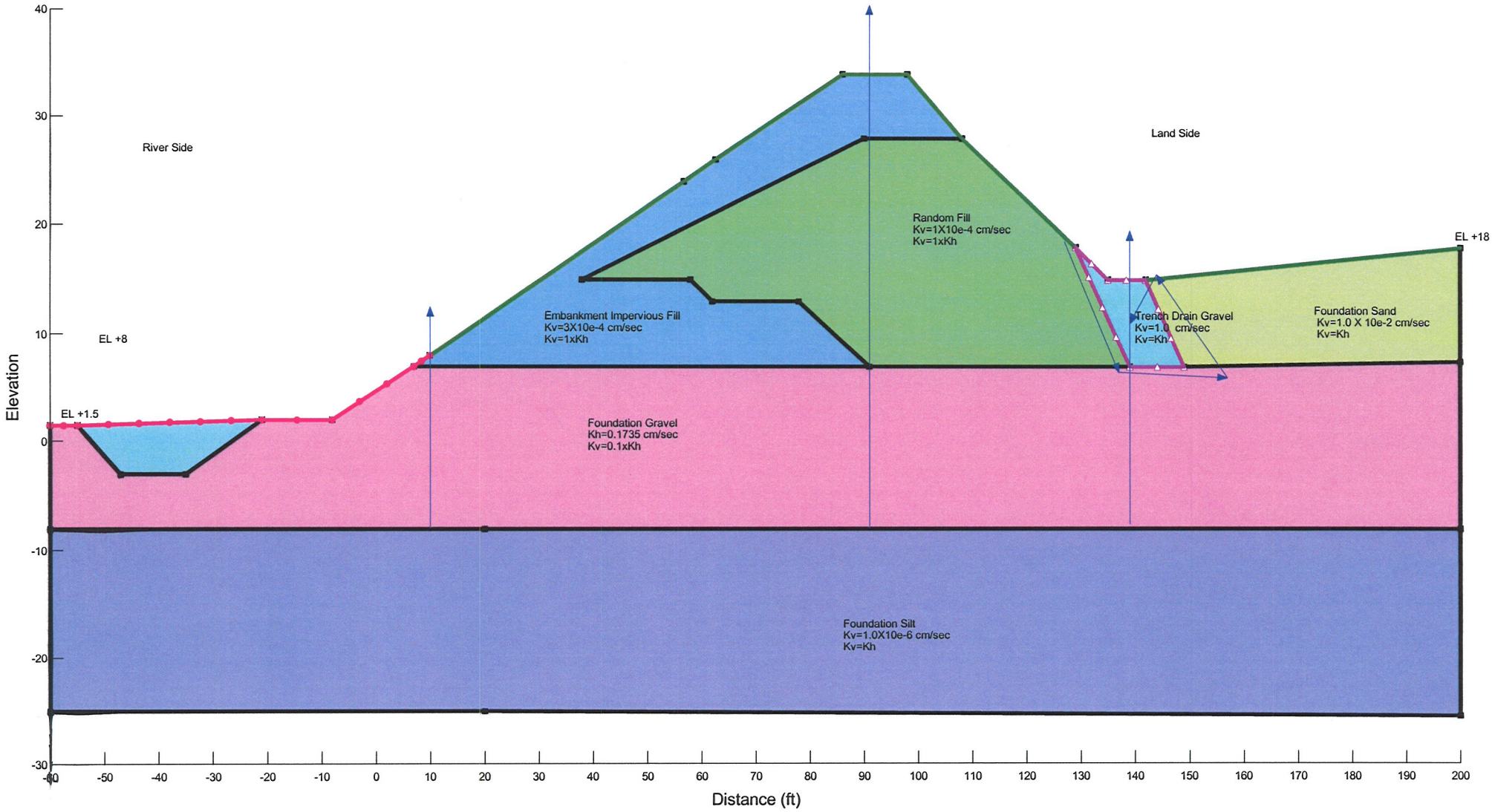
SEEP/W ANALYSIS SECTION AT PSS-2
High Flood Condition (Exit Gradient)



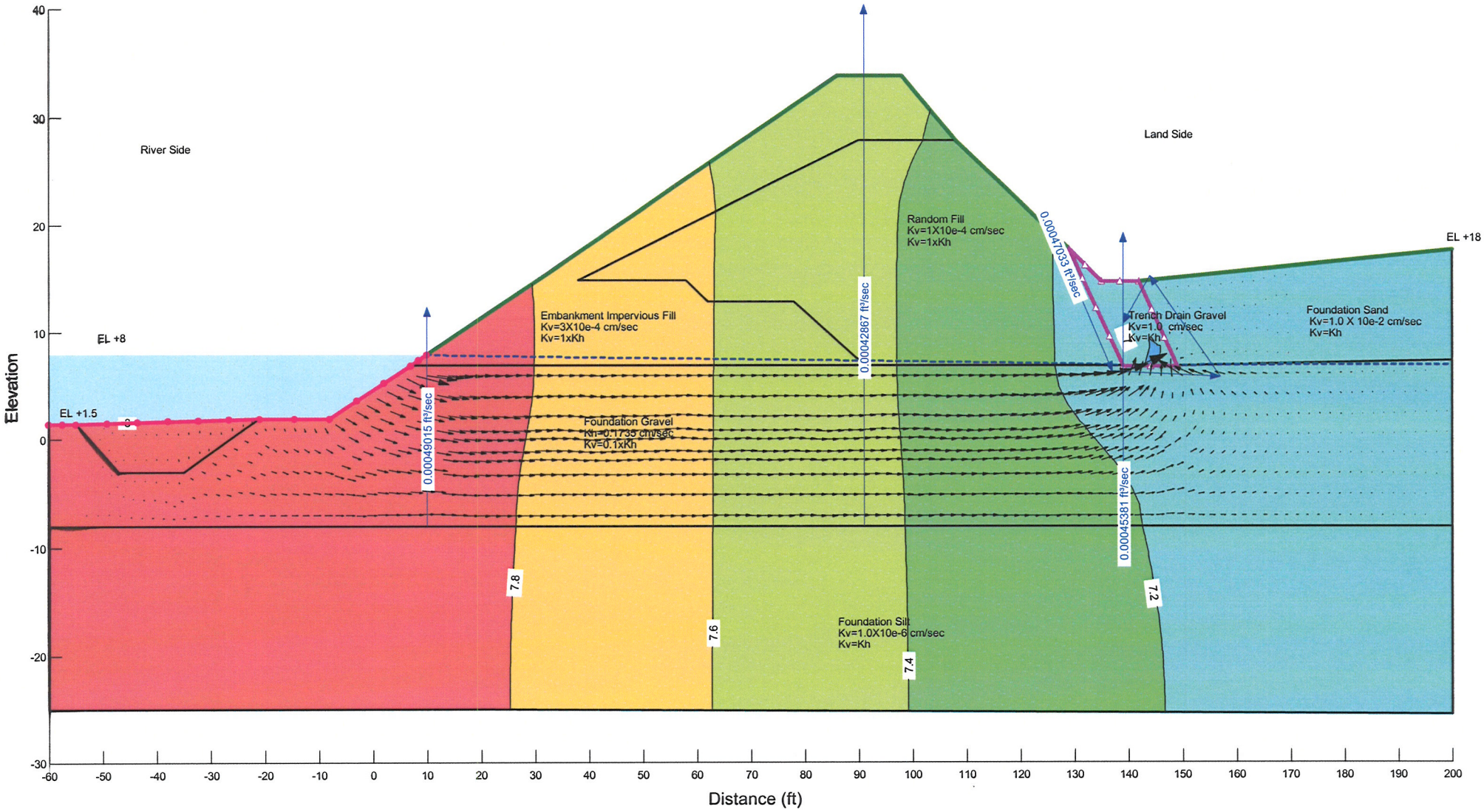
SEEP/W ANALYSIS UNDER USACE 100 YEAR FLOOD HYDROGRAPH AT PSS-2
HIGH FLOOD CONDITION (Exit Gradient)

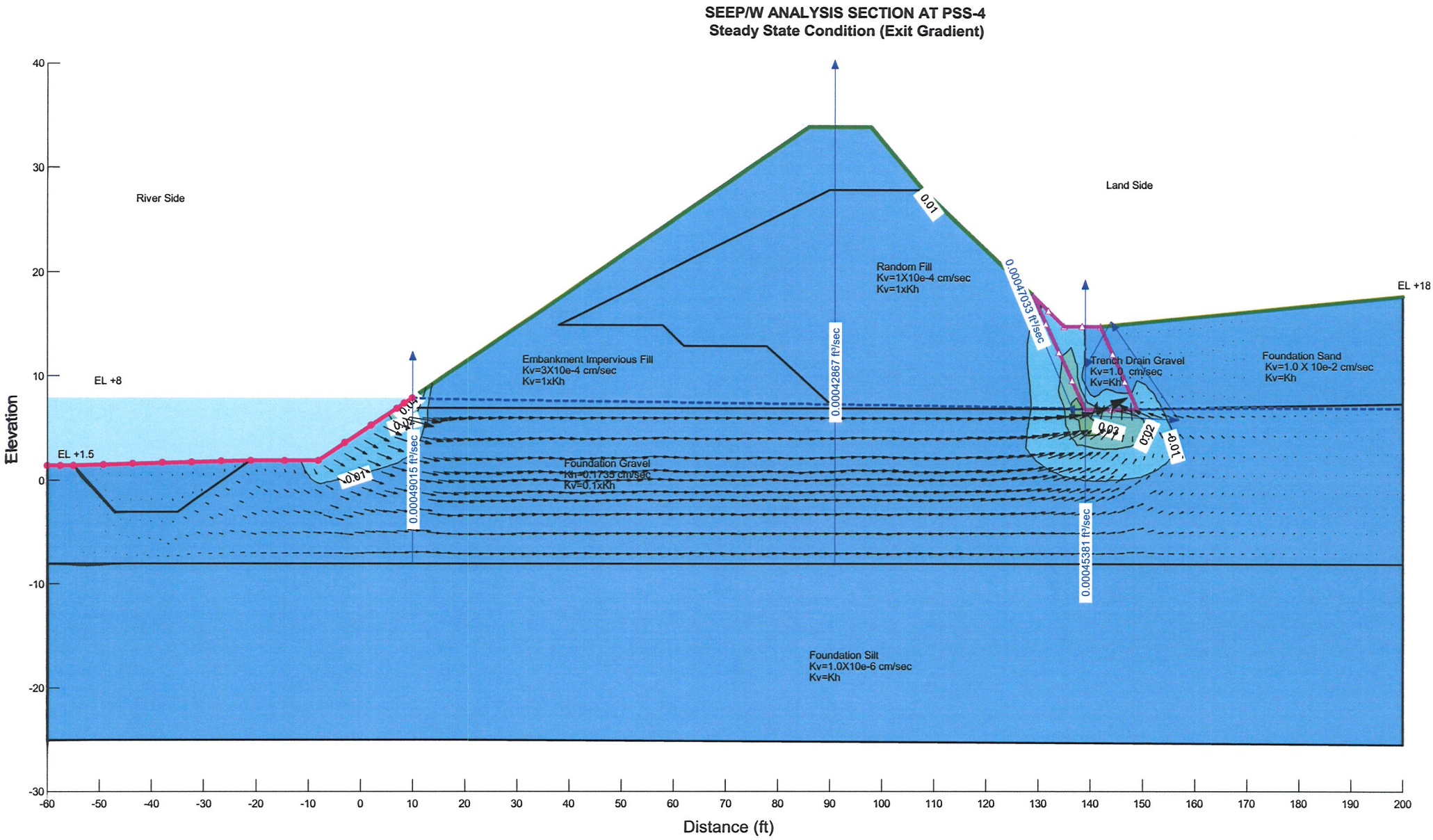


SEEP/W ANALYSIS SECTION AT PSS-4
Steady State Condition

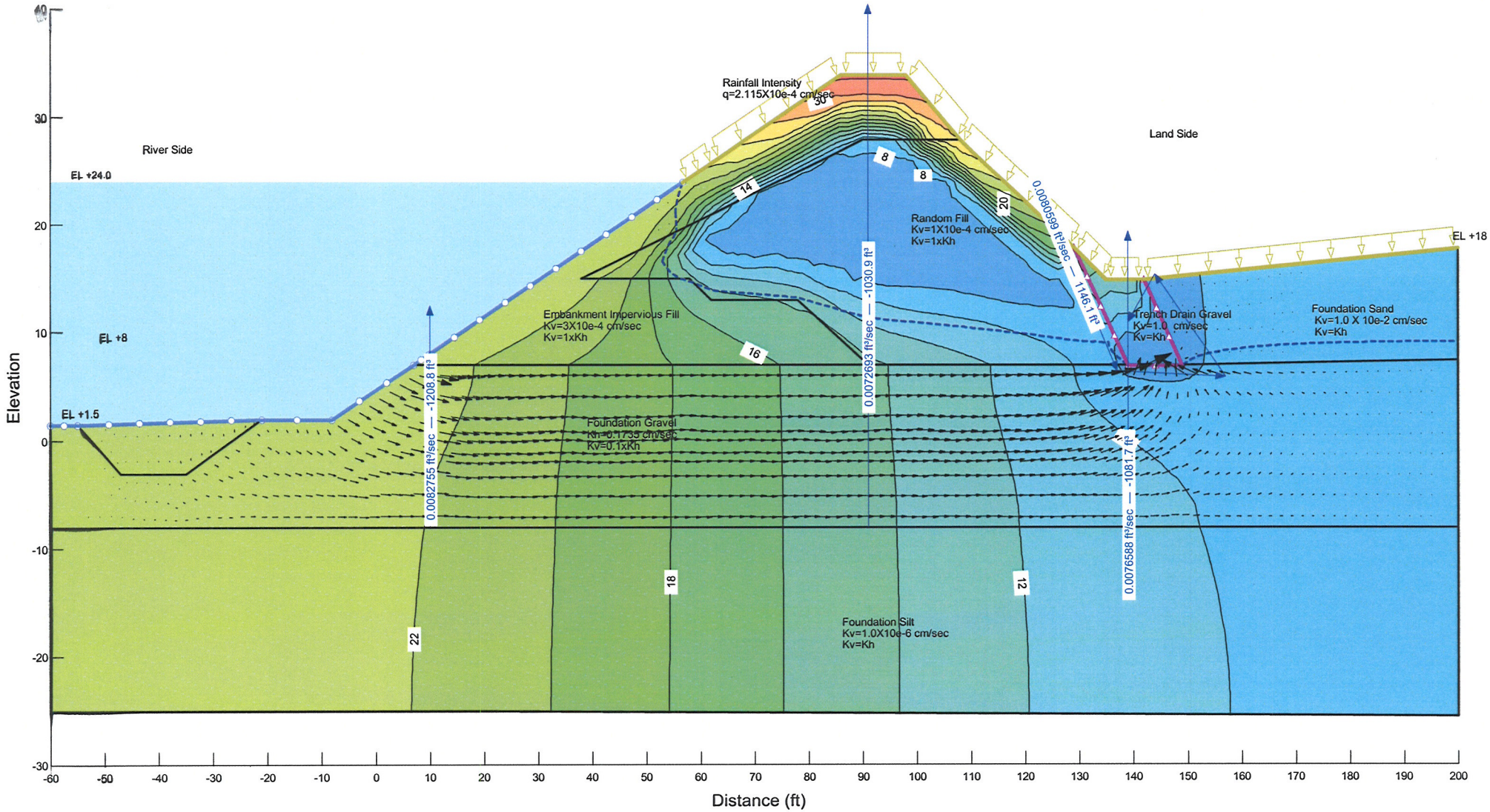


SEEP/W ANALYSIS SECTION AT PSS-4
Steady State Condition (Total Head)

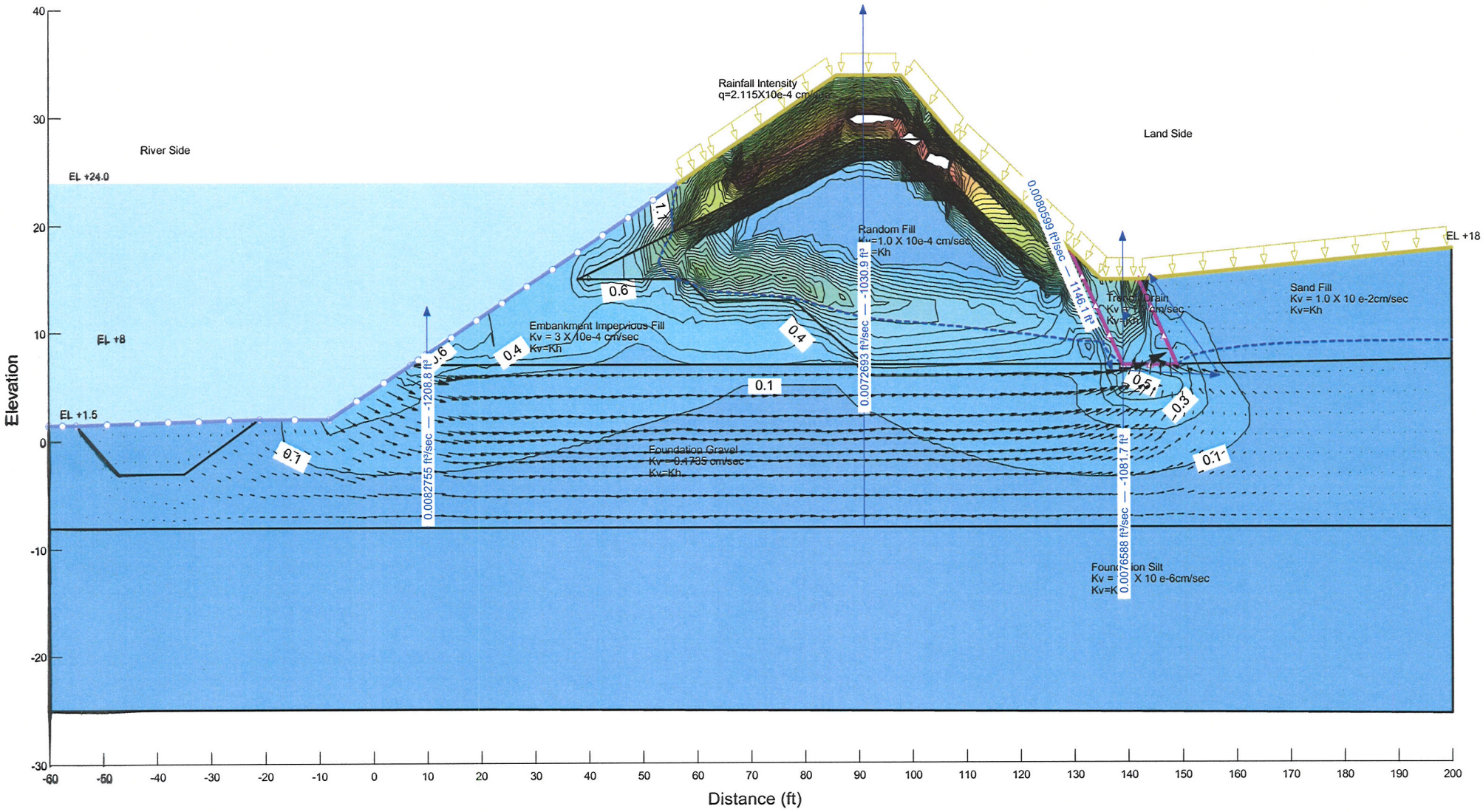



SEEP/W ANALYSIS SECTION AT PSS-4
Steady State Condition (Exit Gradient)
River Side
Land Side
EL +8
EL +1.5
EL +18
Random Fill
Kv=1X10e-4 cm/sec
Kv=1xKh
Embankment Impervious Fill
Kv=3X10e-4 cm/sec
Kv=1xKh
Foundation Gravel
Kh=0.1735 cm/sec
Kv=0.1xKh
Trench Drain Gravel
Kv=1.0 cm/sec
Kv=Kh
Foundation Sand
Kv=1.0 X 10e-2 cm/sec
Kv=Kh
Foundation Silt
Kv=1.0X10e-6 cm/sec
Kv=Kh
0.00042867 ft³/sec
0.00047033 ft³/sec
0.00049015 ft³/sec
0.00045381 ft³/sec
0.07
0.10
0.07
0.03
0.02
0.01
Elevation
Distance (ft)
40
30
20
10
0
-10
-20
-30
-60
-50
-40
-30
-20
-10
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200

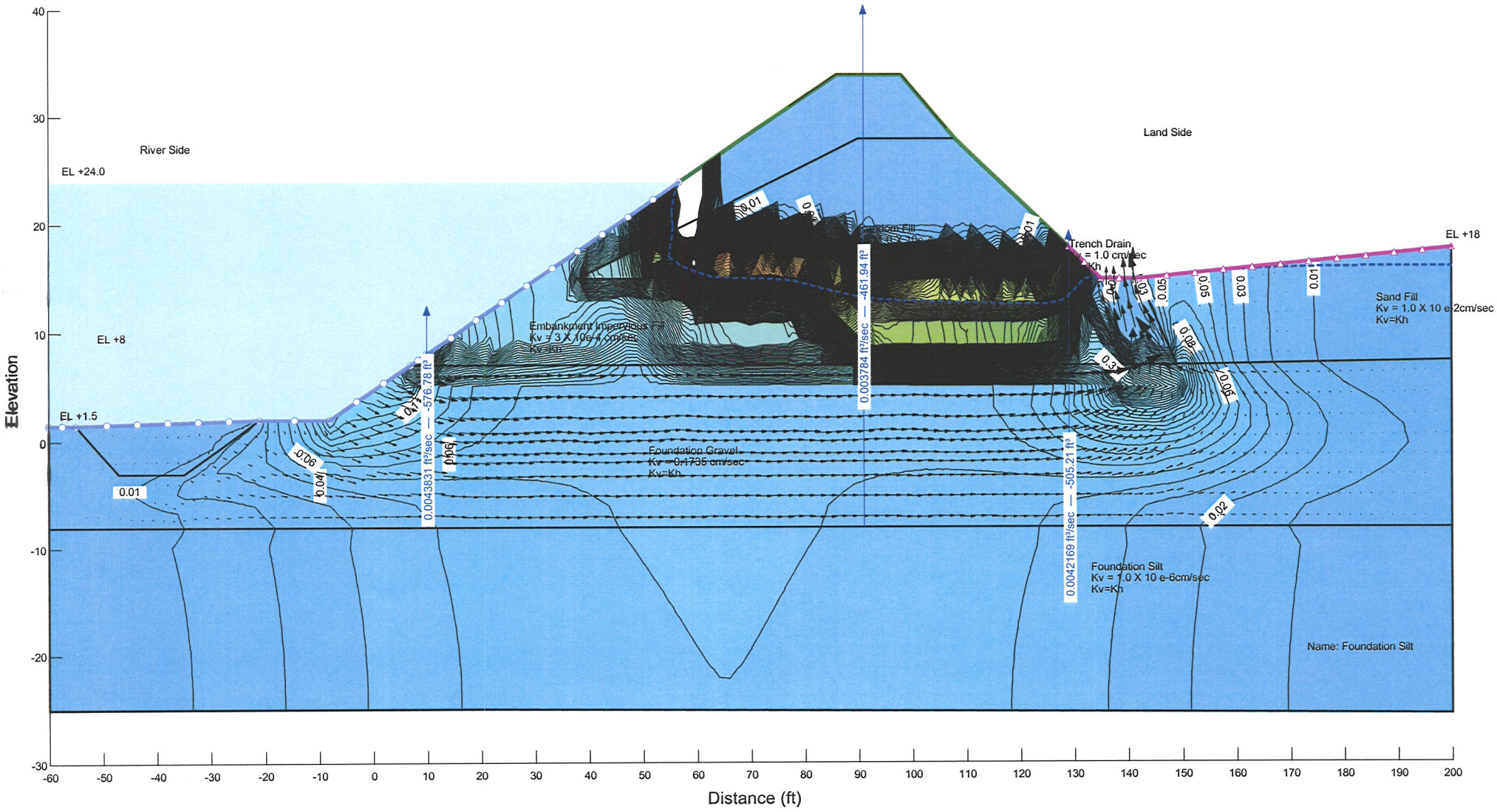
SEEP/W ANALYSIS SECTION AT PSS-4
High Flood Condition (Total Head)



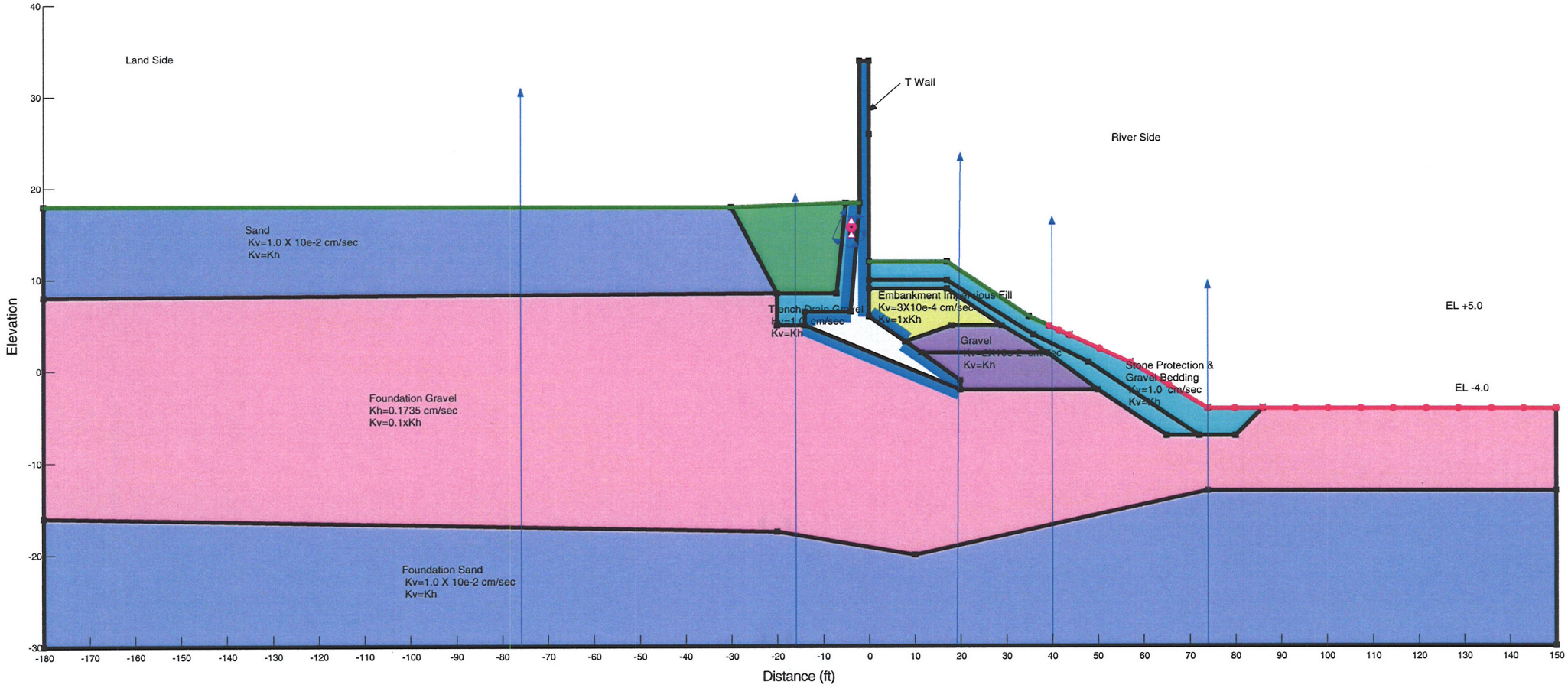
SEEP/W ANALYSIS SECTION AT PSS-4
High Flood Condition (Exit Gradient)



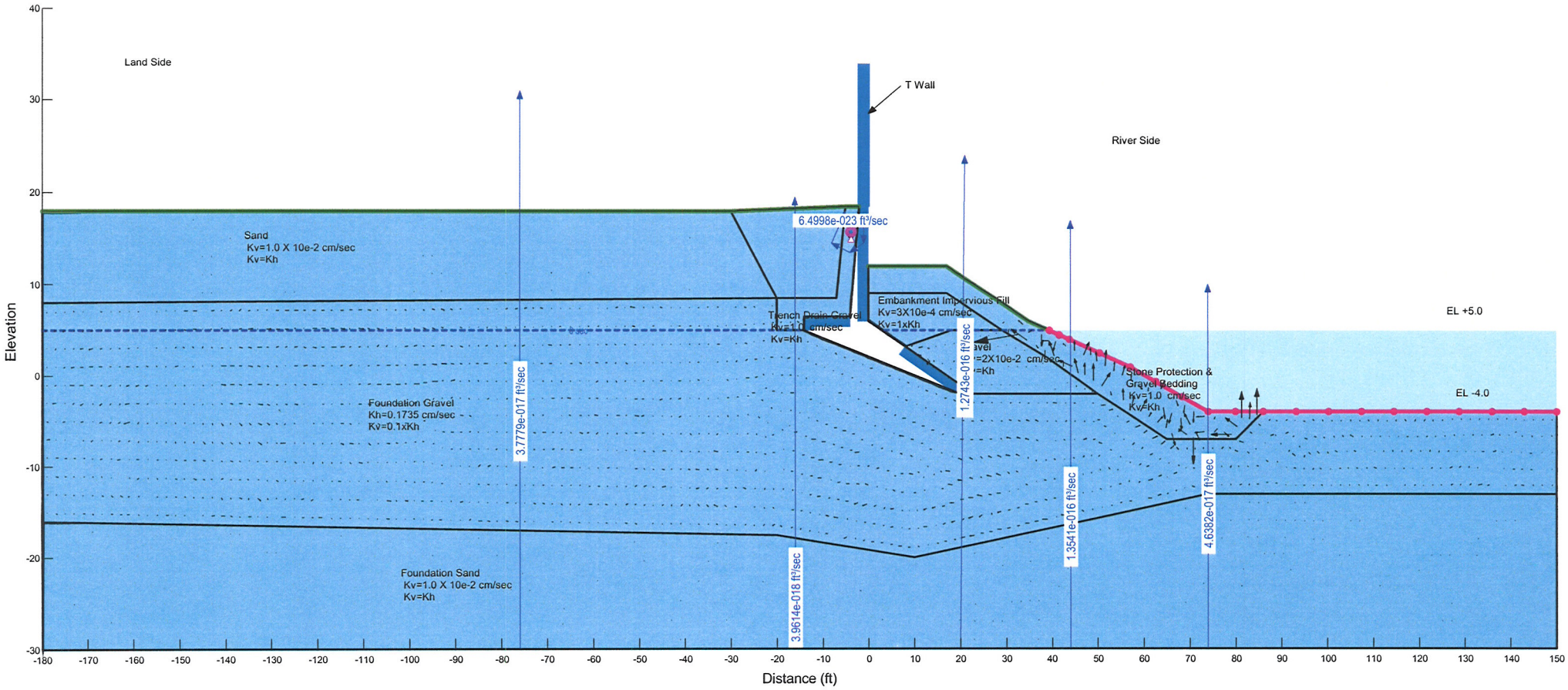
SEEP/W ANALYSIS SECTION AT PSS-4
High Flood Condition (Exit Gradient)



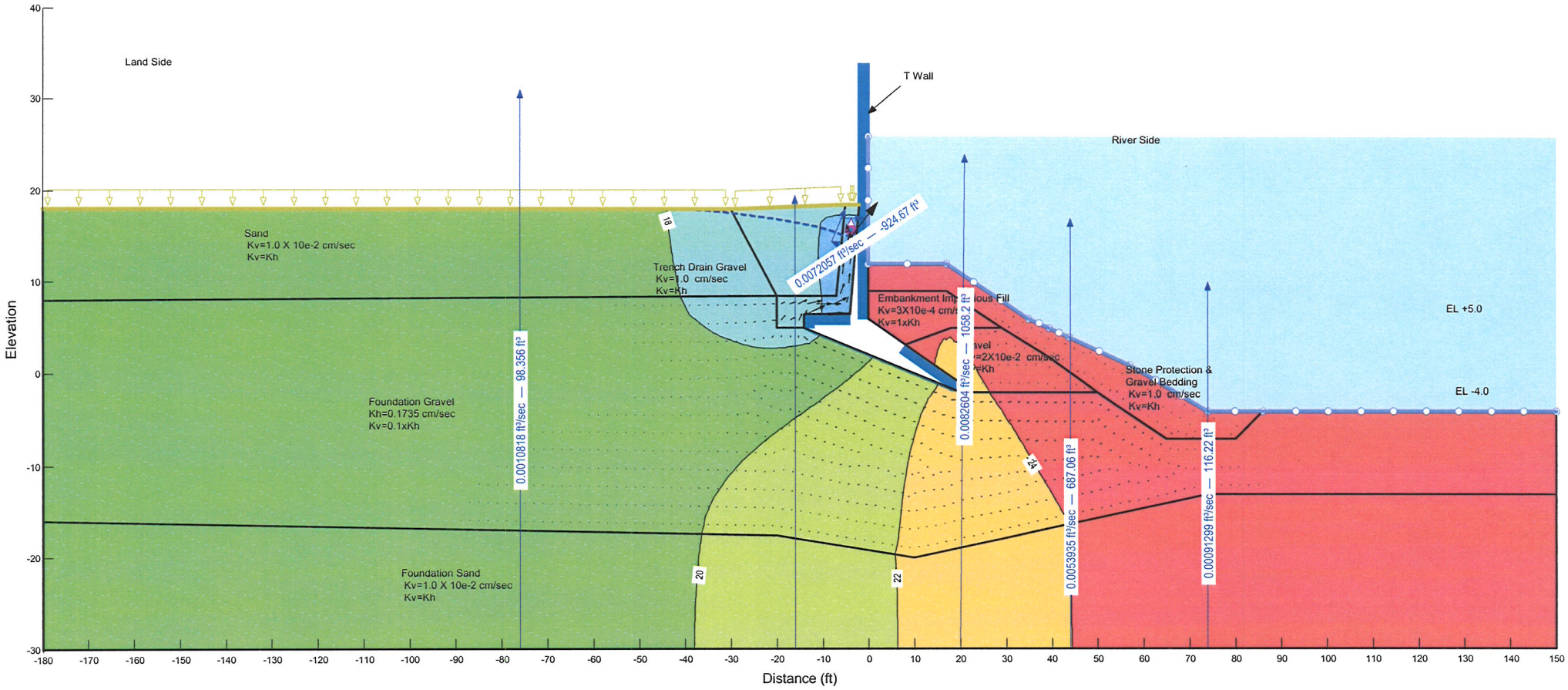
SEEP/W ANALYSIS SECTION AT PSS-7 ("T" Wall)
Steady State Condition



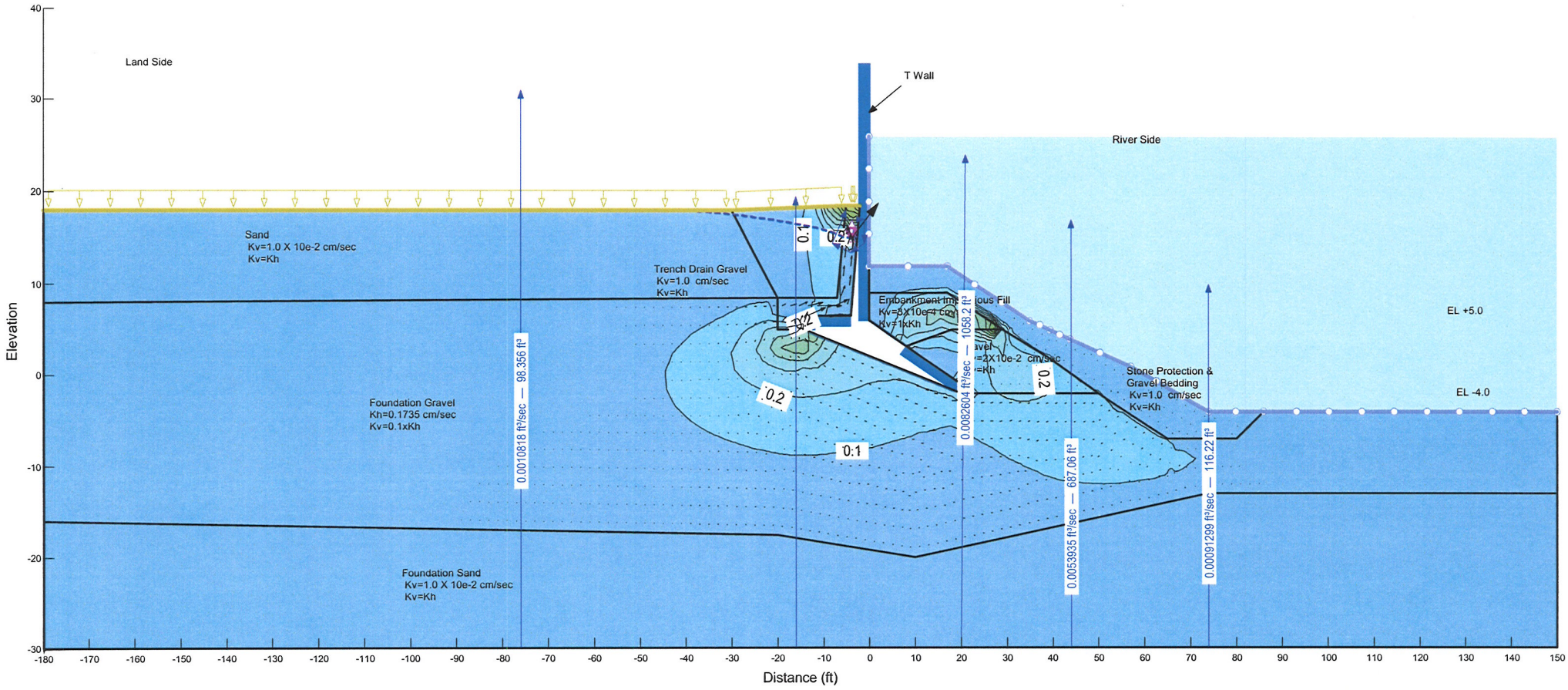
SEEP/W ANALYSIS SECTION AT PSS-7 ("T" Wall)
Steady State Condition (Total head)



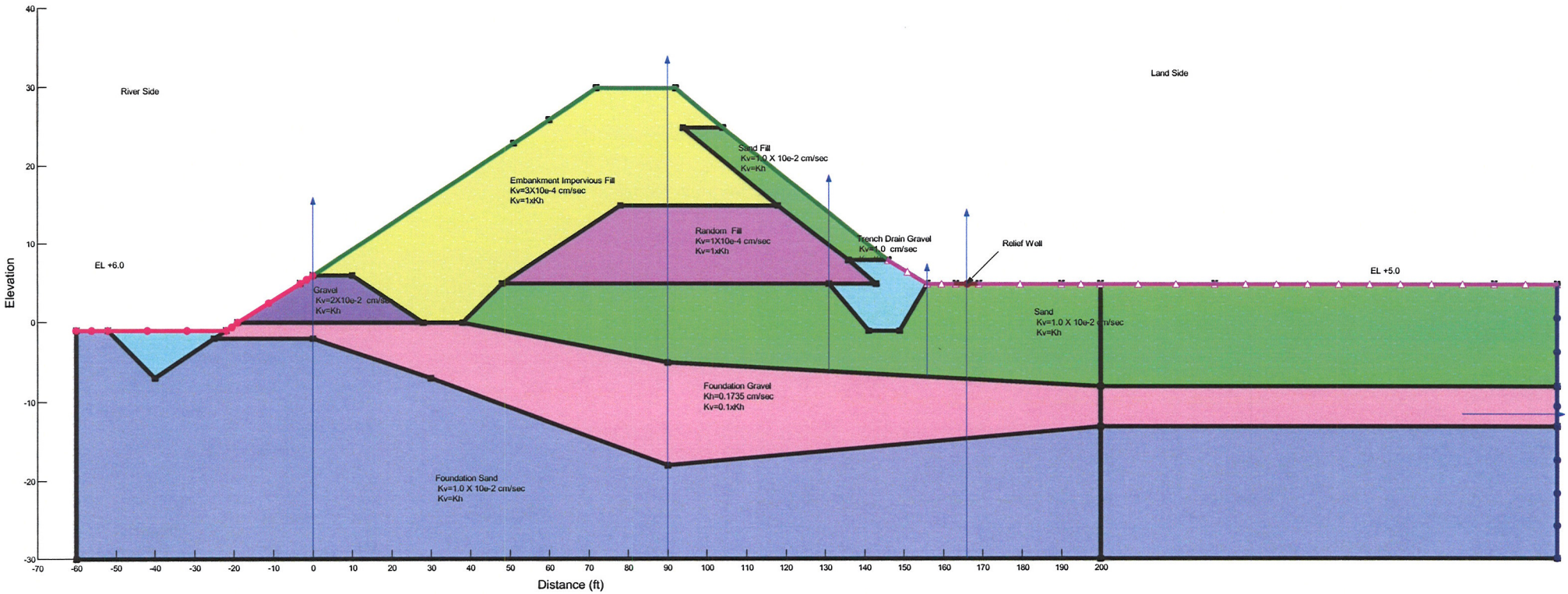
SEEP/W ANALYSIS SECTION AT PSS-7 ("T" Wall)
High Flood Condition (Total head)



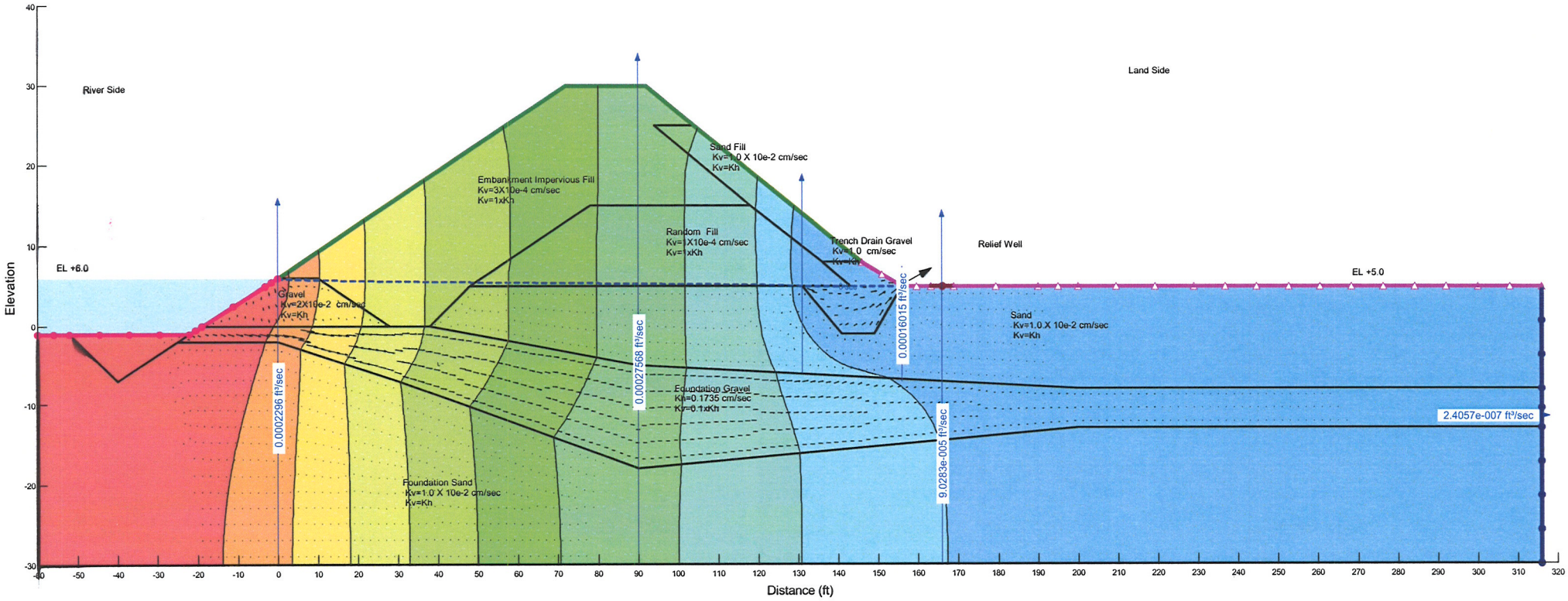
SEEP/W ANALYSIS SECTION AT PSS-7 ("T" Wall)
High Flood Condition (Exit Gradient)



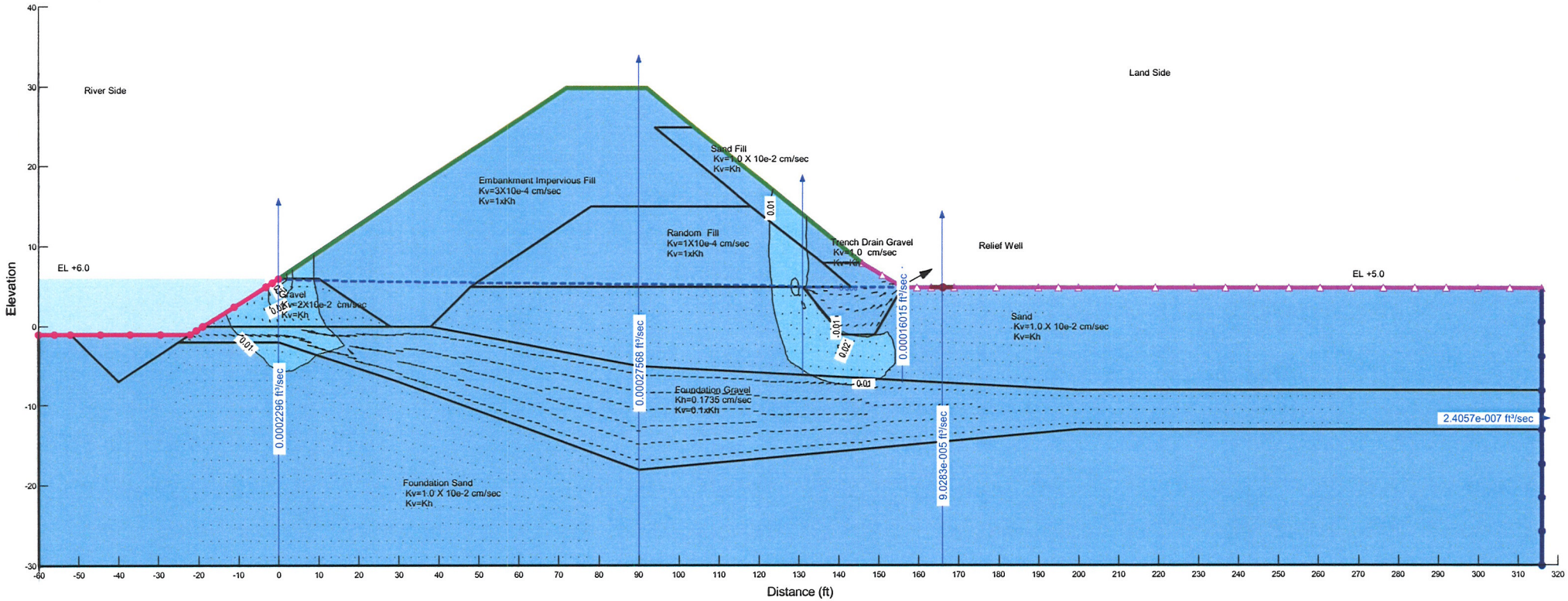
SEEP/W ANALYSIS SECTION AT PSS-9
Steady State Condition



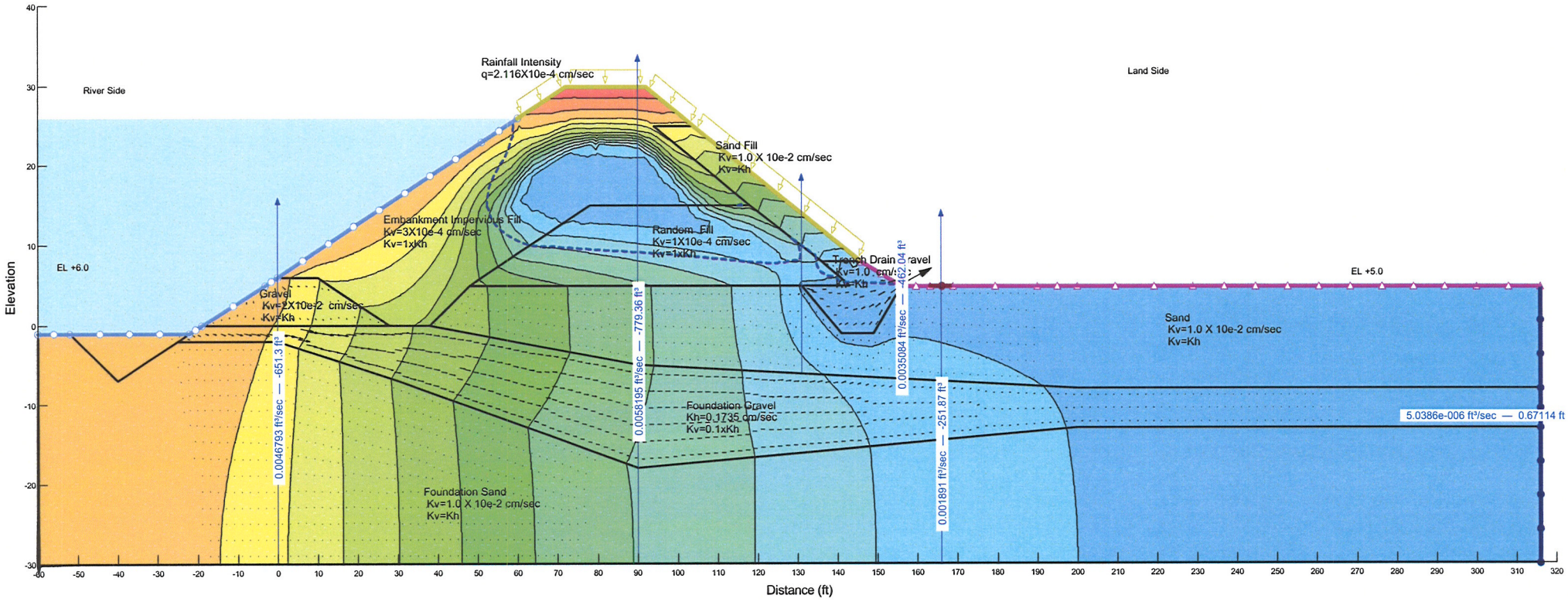
SEEP/W ANALYSIS SECTION AT PSS-9
Steady State Condition (Total Head)



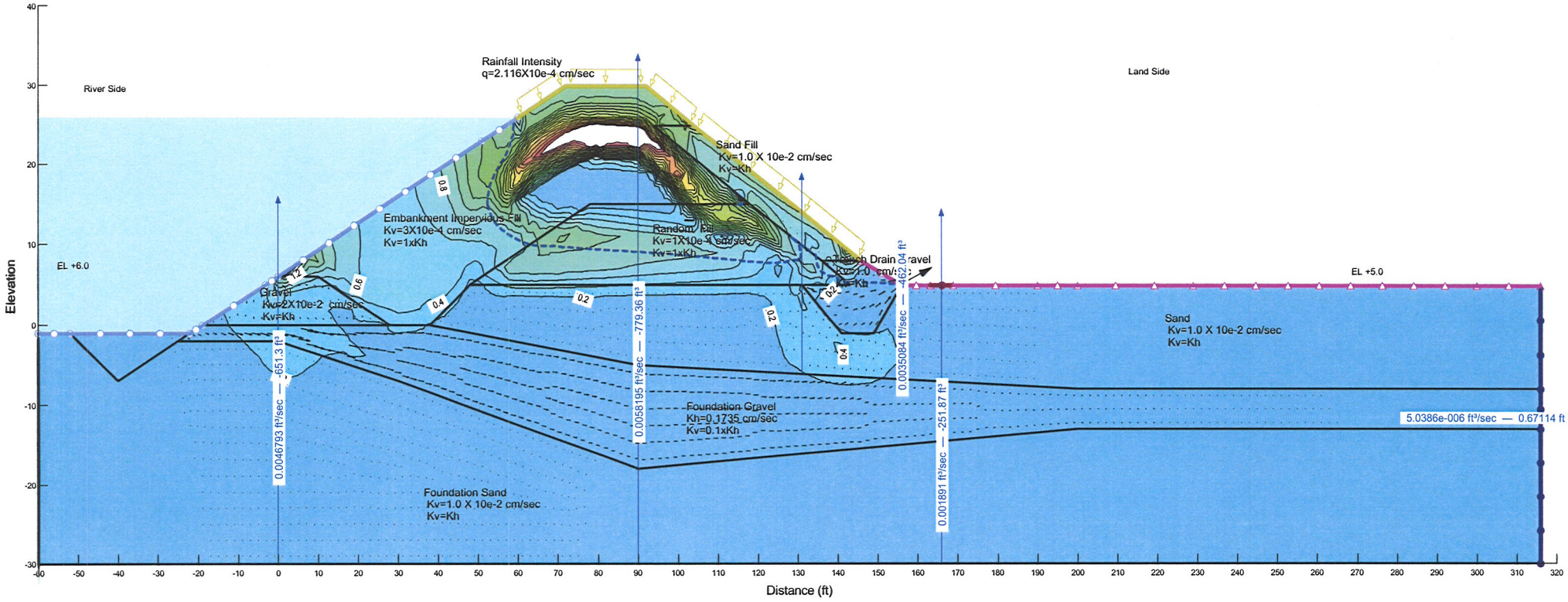
SEEP/W ANALYSIS SECTION AT PSS-9
Steady State Condition (Exit Gradient)



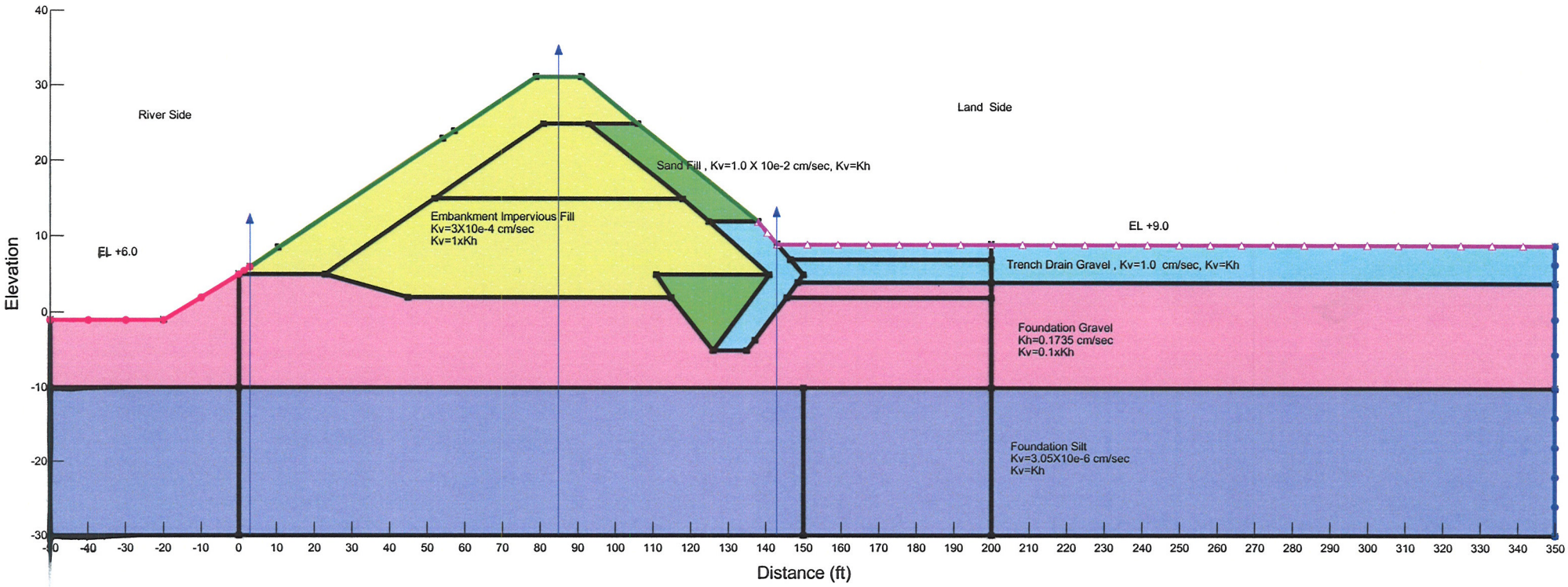
SEEP/W ANALYSIS SECTION AT PSS-9
High Flood Condition (Total Head)



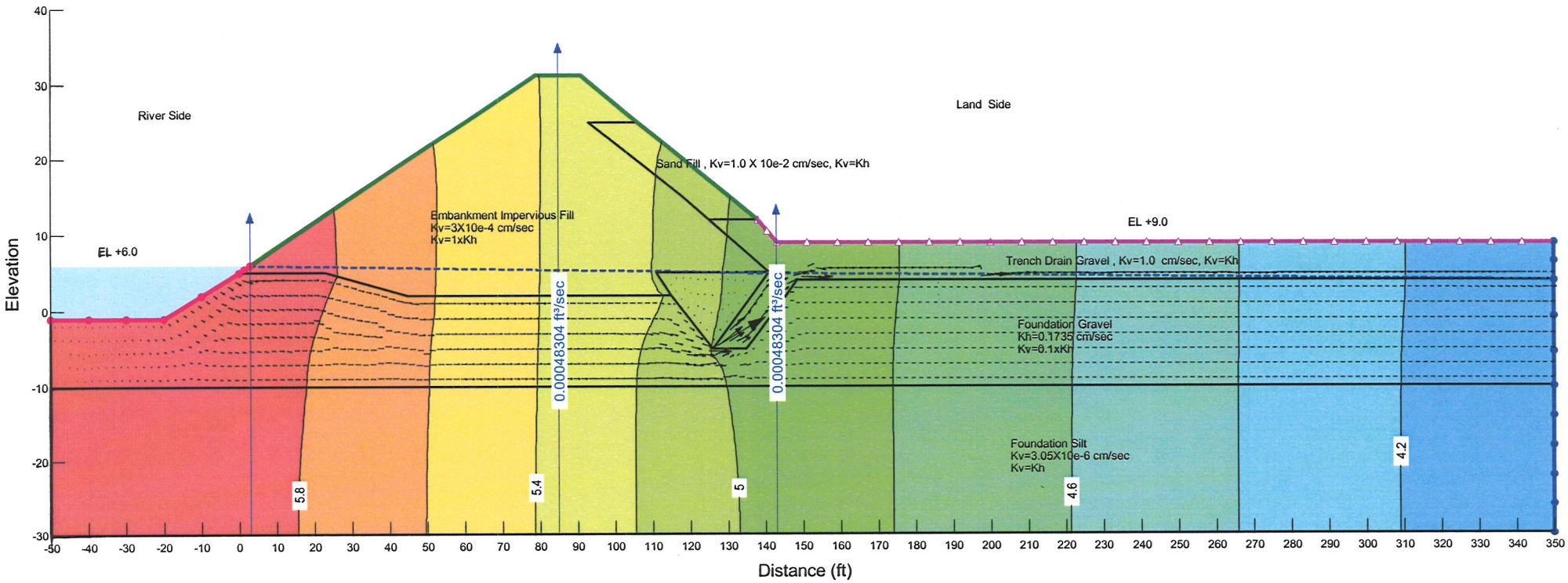
SEEP/W ANALYSIS SECTION AT PSS-9
High Flood Condition (Exit Gradient)



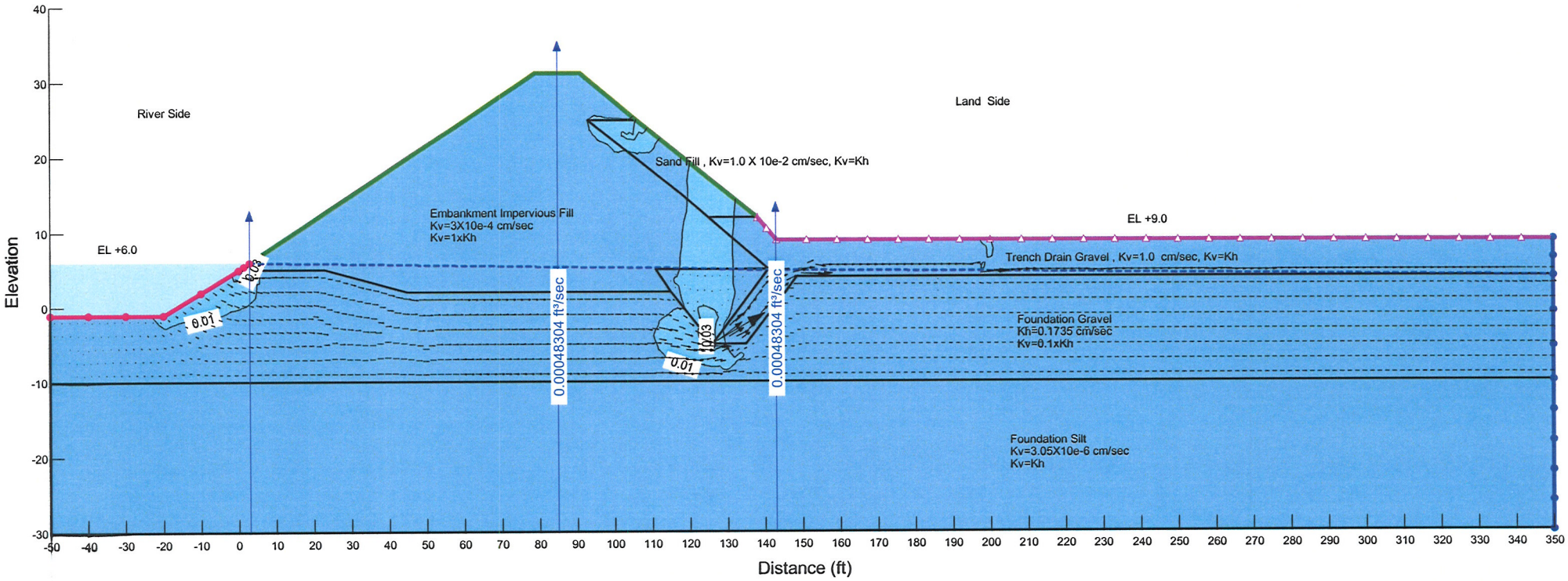
SEEP/W ANALYSIS SECTION AT PSS-10
Steady State Condition



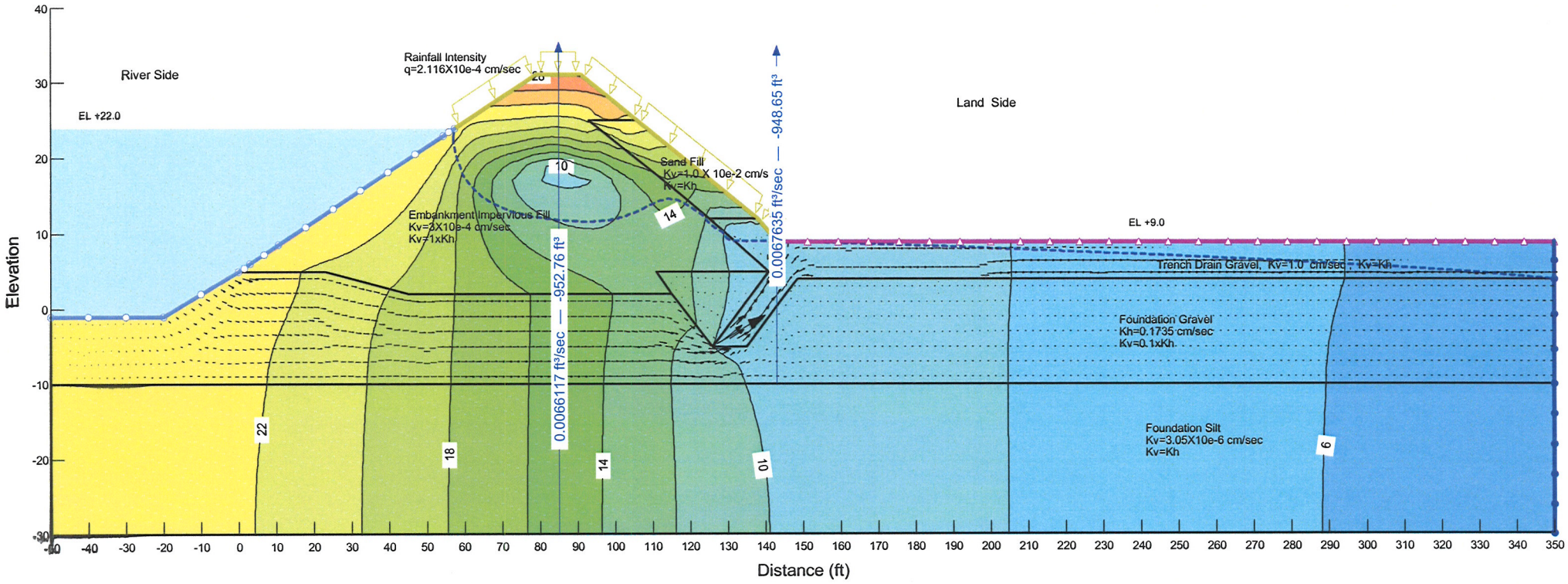
SEEP/W ANALYSIS SECTION AT PSS-10
Steady State Condition (Total Head)



SEEP/W ANALYSIS SECTION AT PSS-10
Steady State Condition (Exit Gradient)



SEEP/W ANALYSIS SECTION AT PSS-10
High Flood Condition (Total Head)



SEEP/W ANALYSIS SECTION AT PSS-10
High Flood Condition (Exit Gradient)

