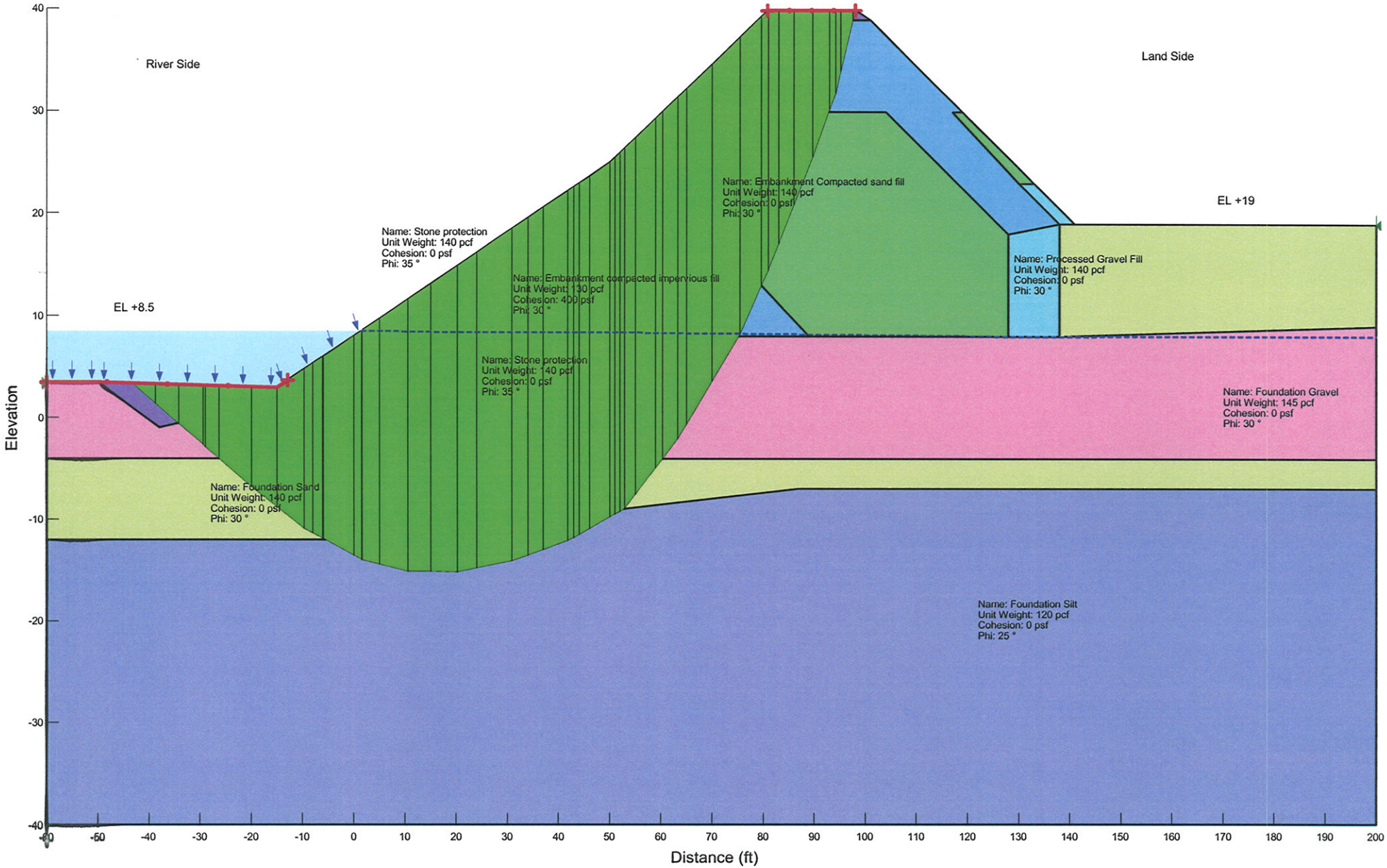
APPENDIX F

RESULTS OF STABILITY ANALYSIS

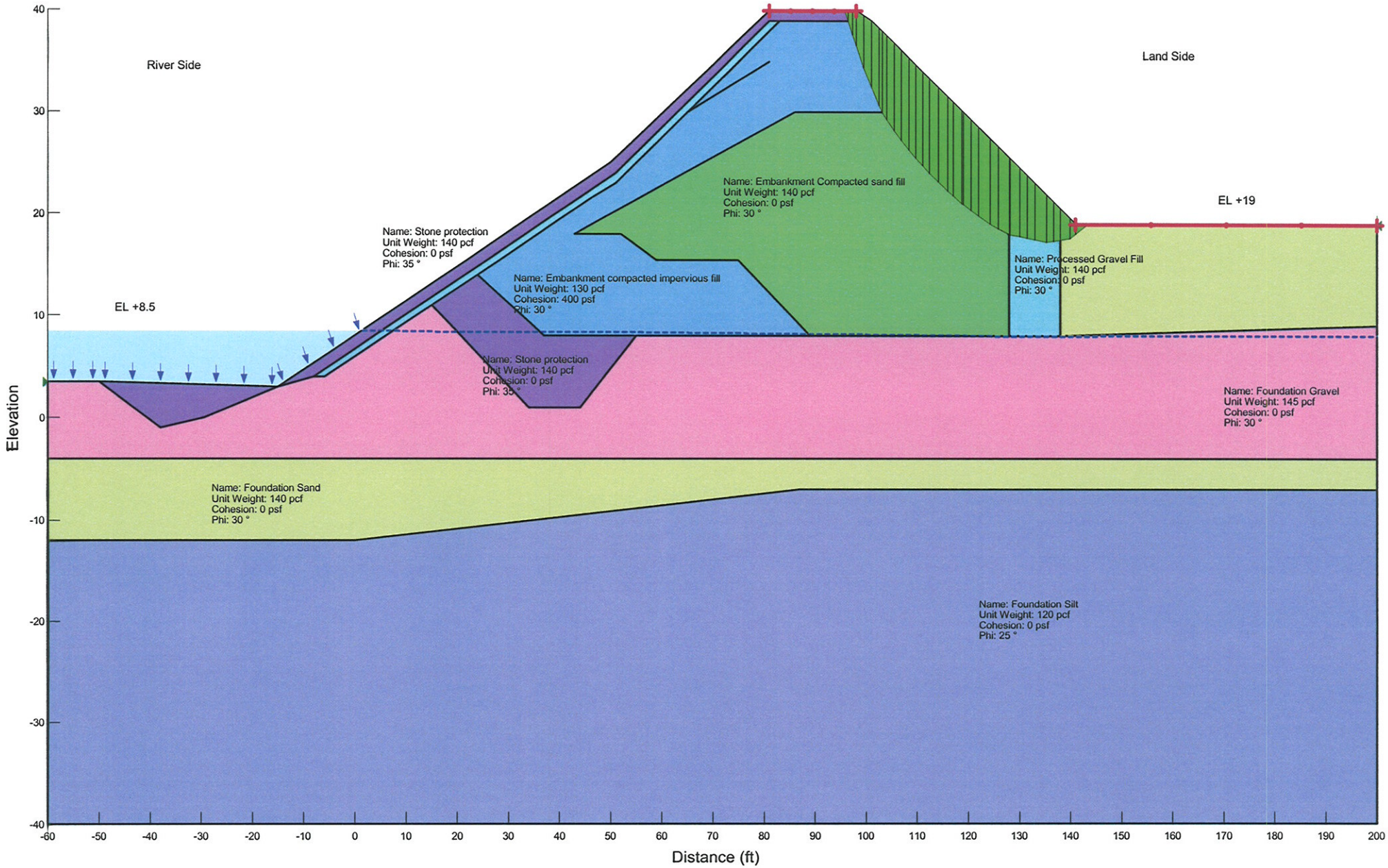
Slope/W Analysis at Section PSS-2
Steady State Condition (River Side)

1.81

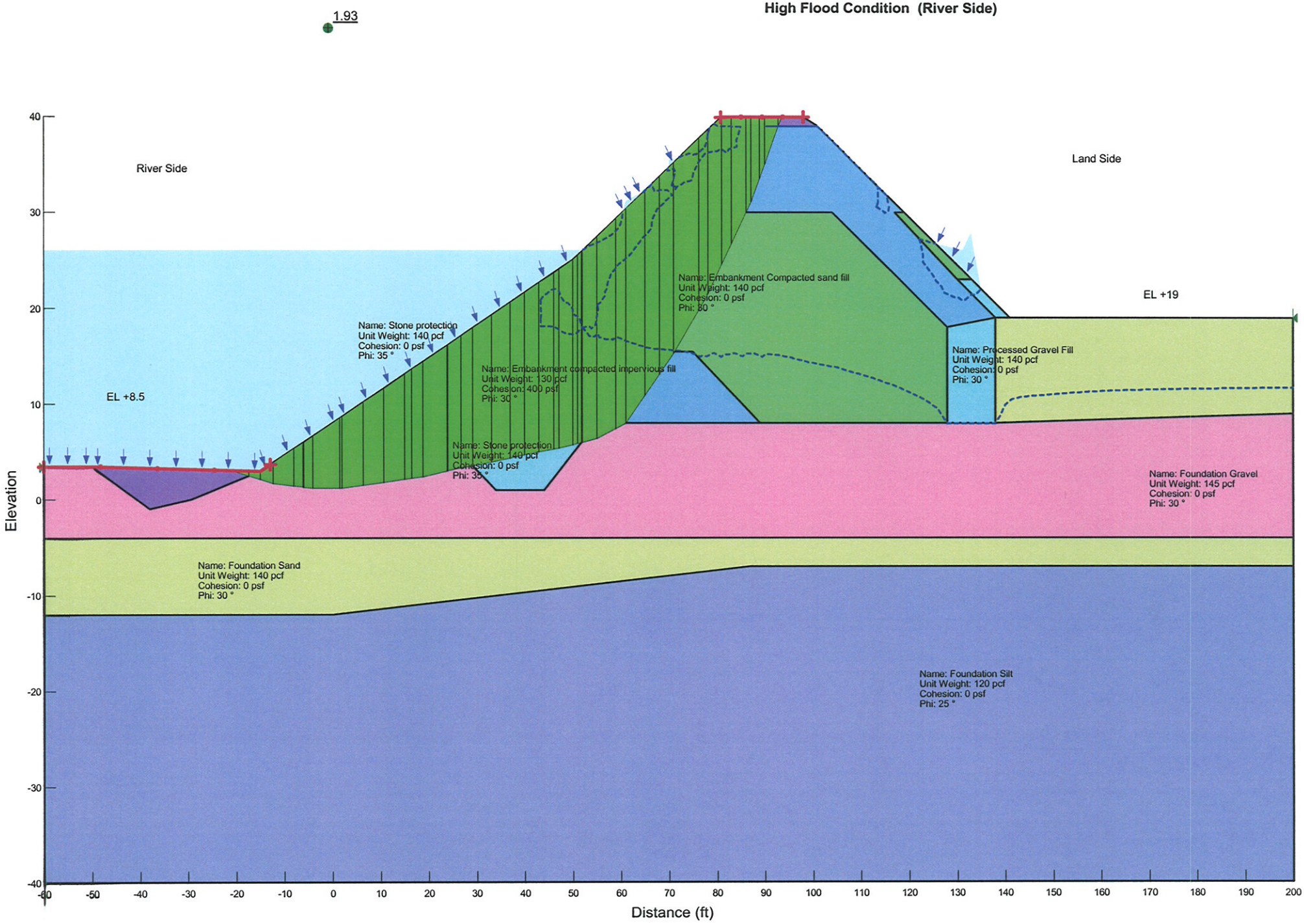


SLOPE/W ANALYSIS SECTION AT PSS-2
Steady State Condition (Land Side)

1.74

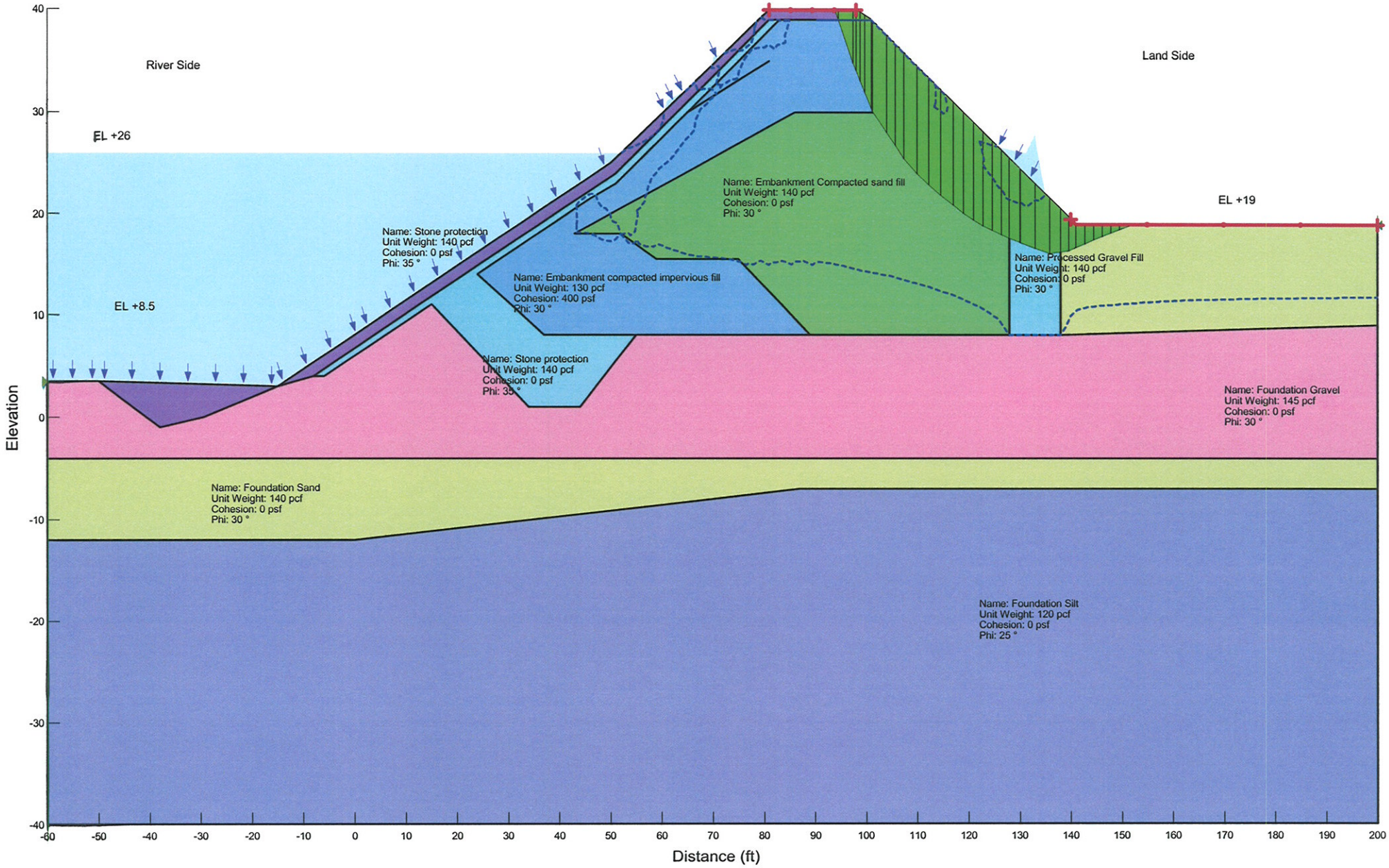


SLOPE/W ANALYSIS SECTION AT PSS-2
High Flood Condition (River Side)



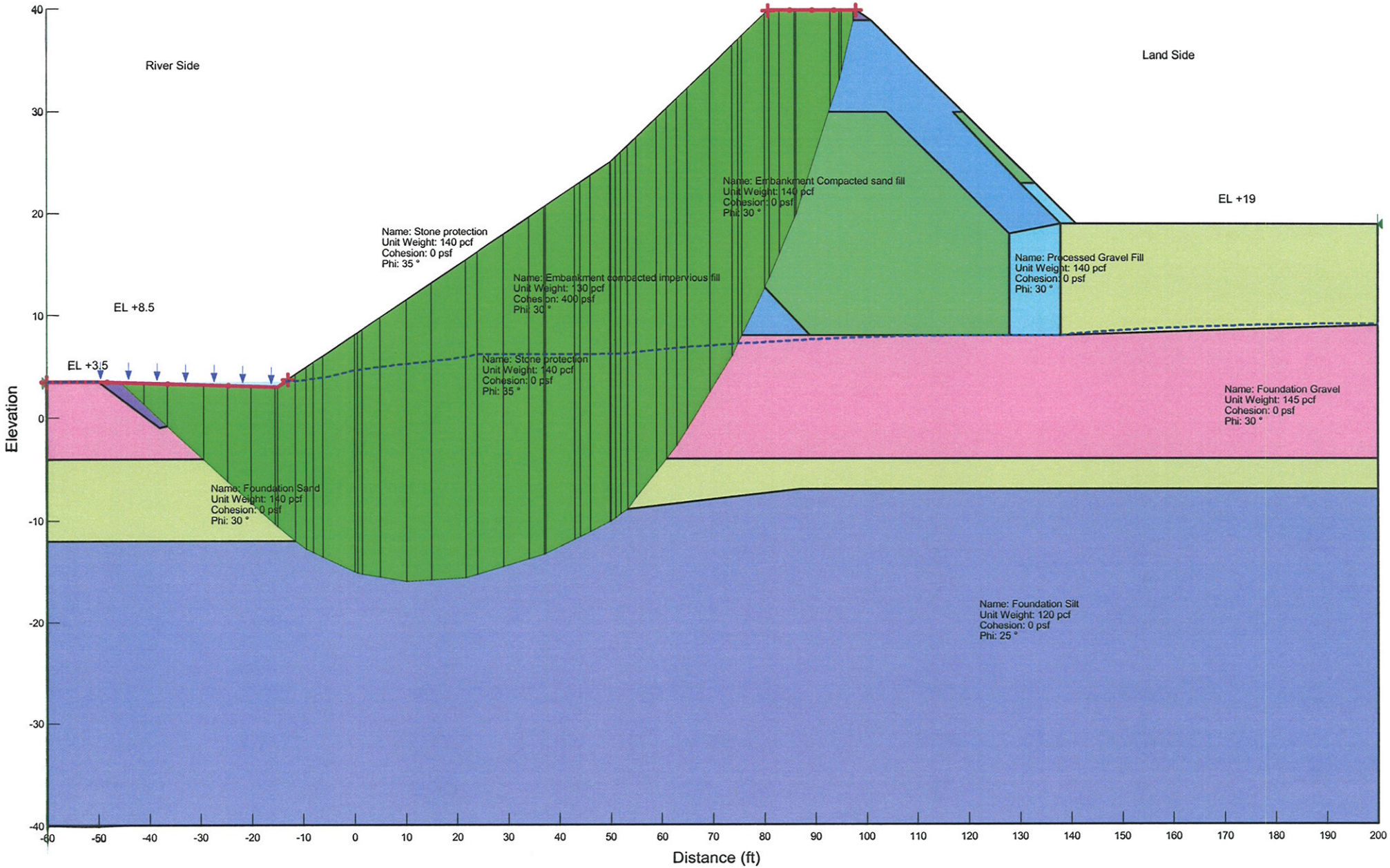
SLOPE/W ANALYSIS SECTION AT PSS-2
High Flood Condition (Land Side)

1.84

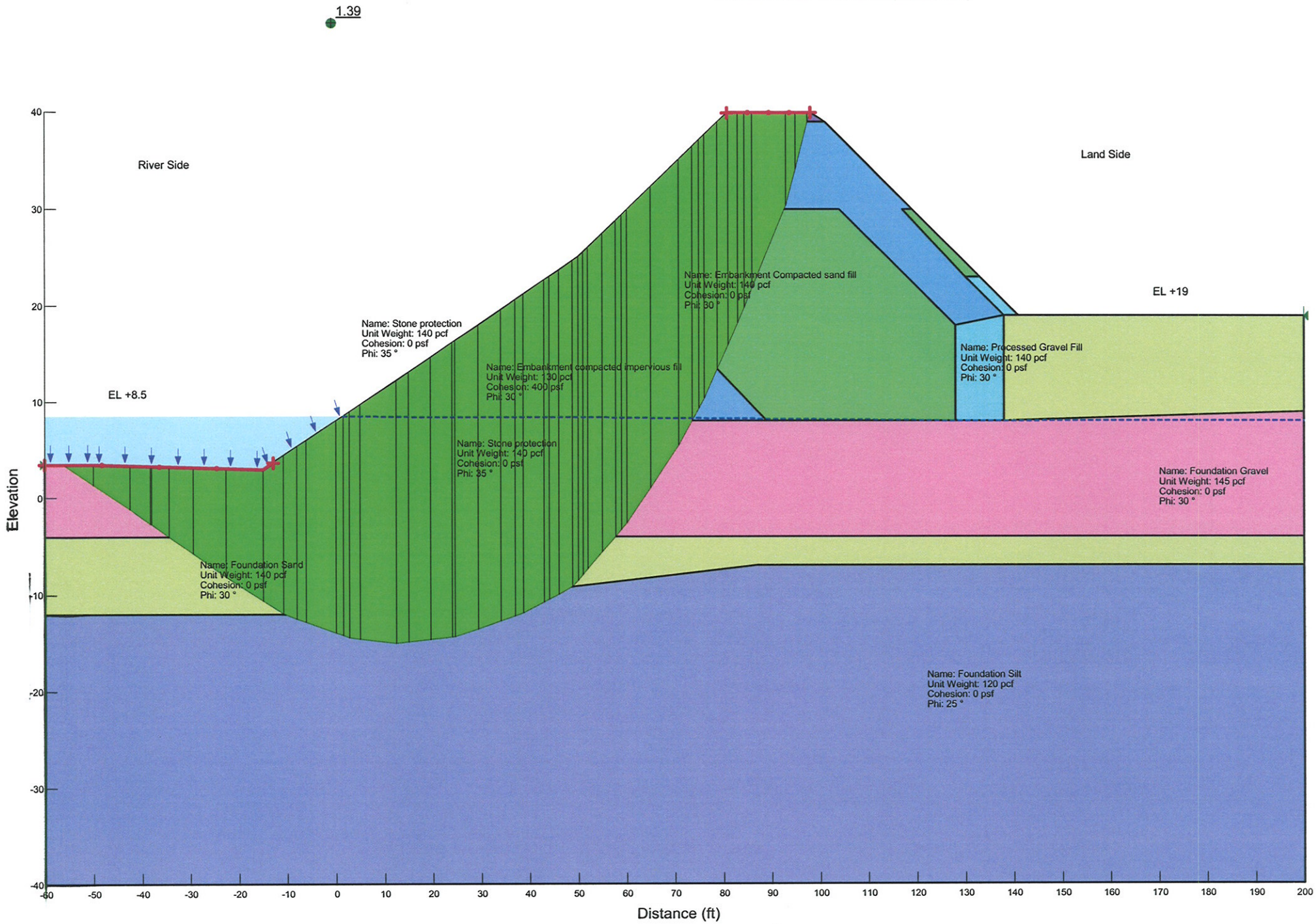


1.78

SLOPE/W ANALYSIS SECTION AT PSS-2
Sudden Drawdown Condition (River Side)

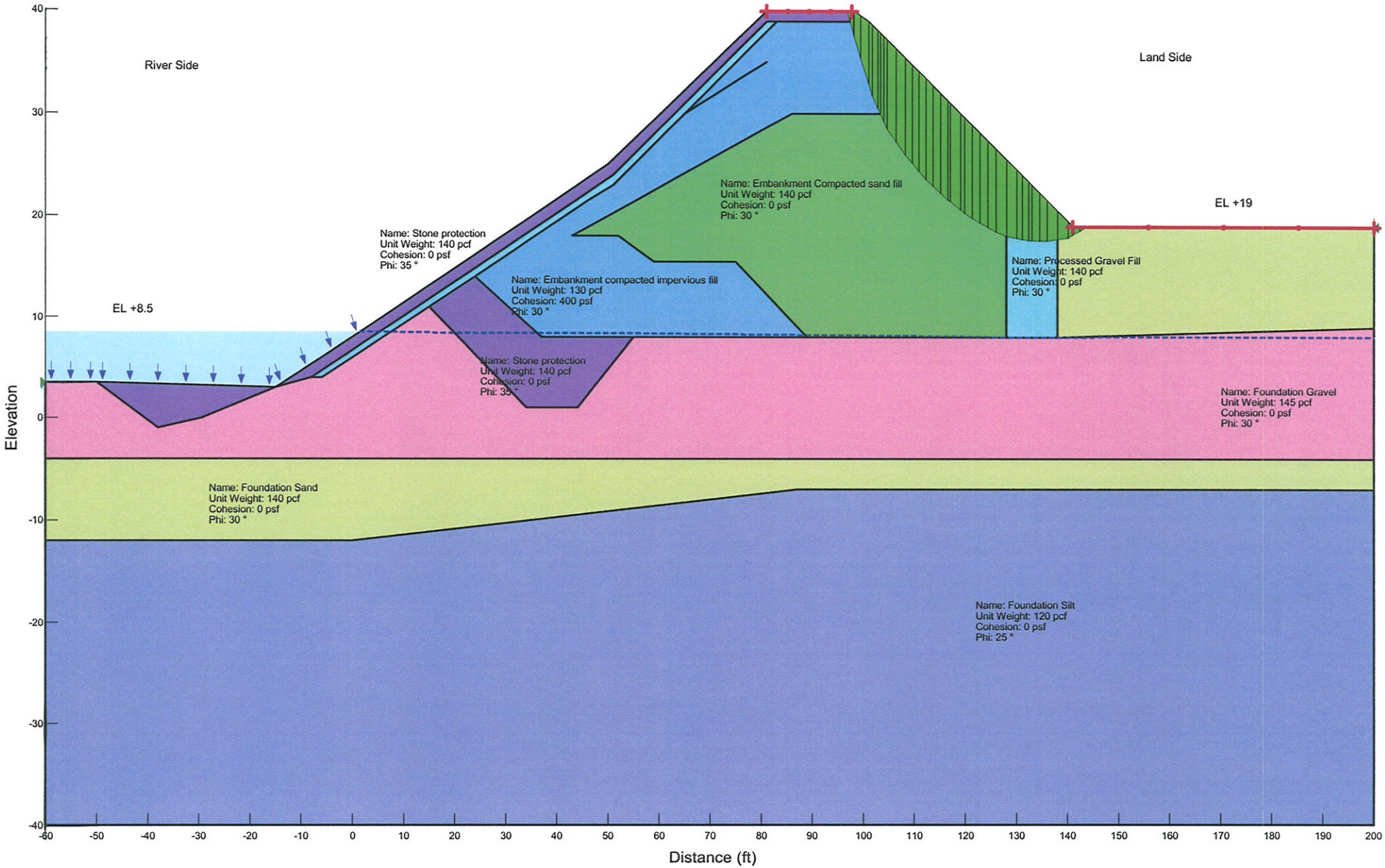


SLOPE/W ANALYSIS SECTION AT PSS-2
Pseudo Static Condition (River Side)

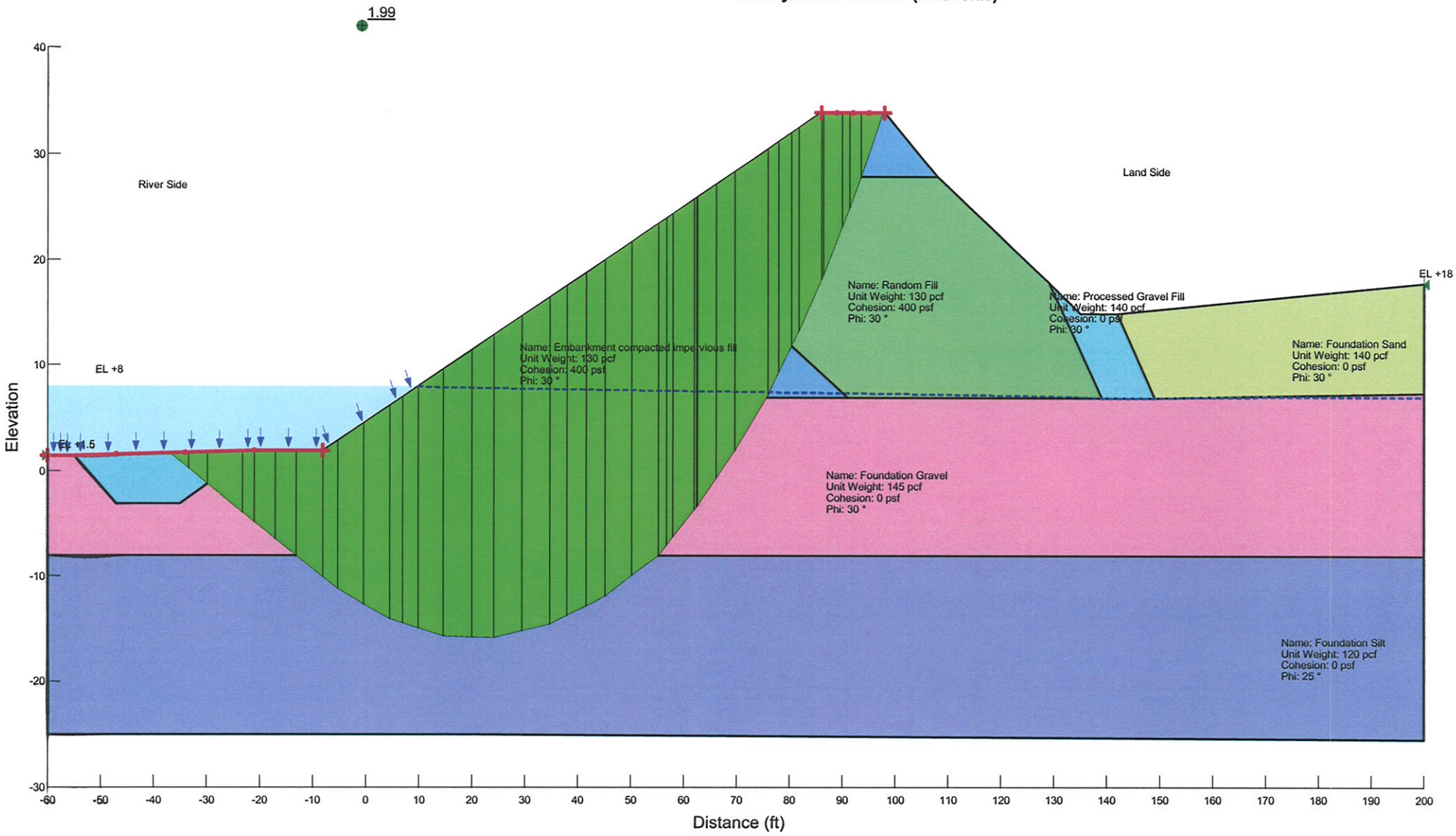


SLOPE/W ANALYSIS SECTION AT PSS-2
Pseudo Static Condition (Land Side)

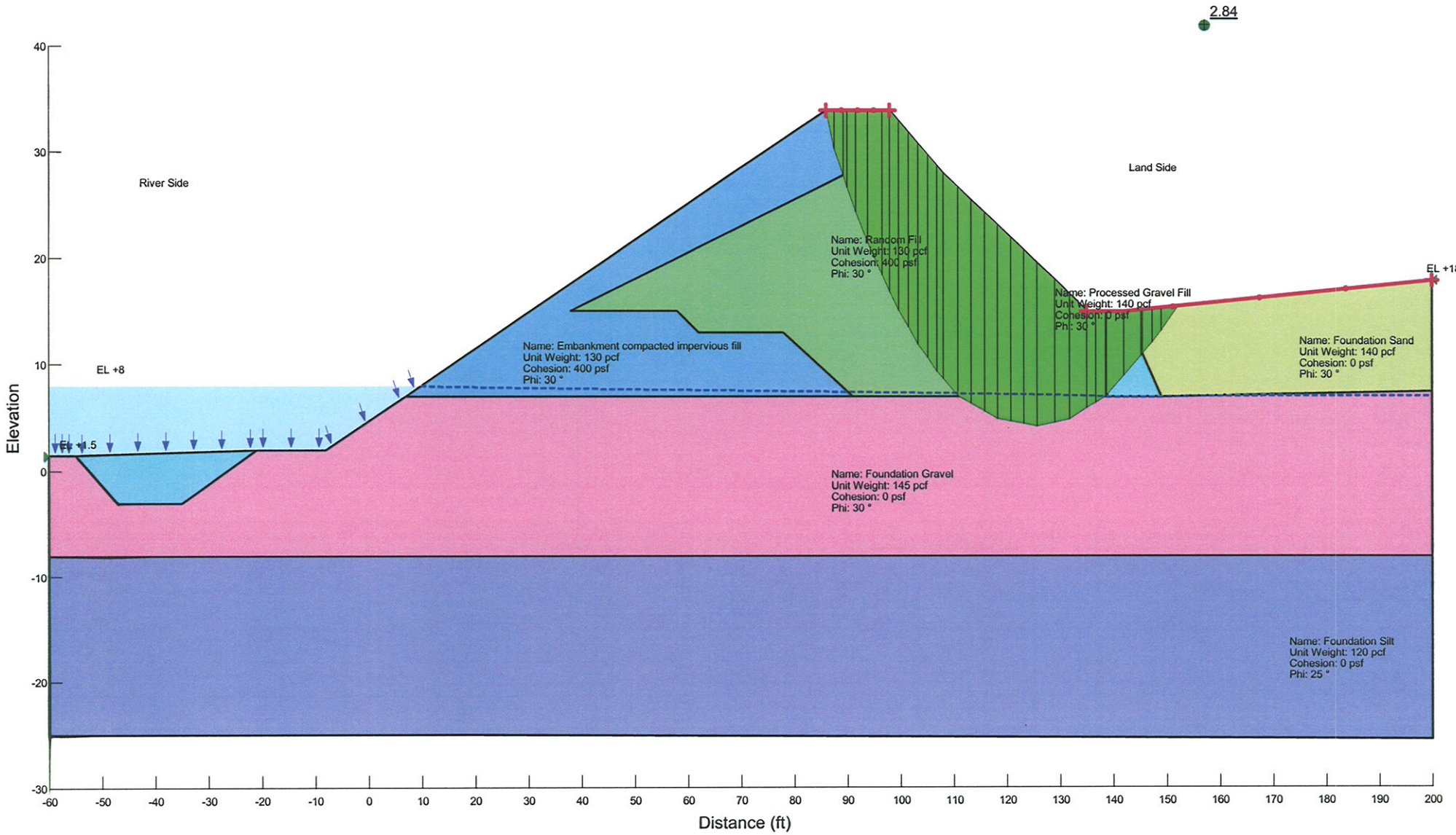
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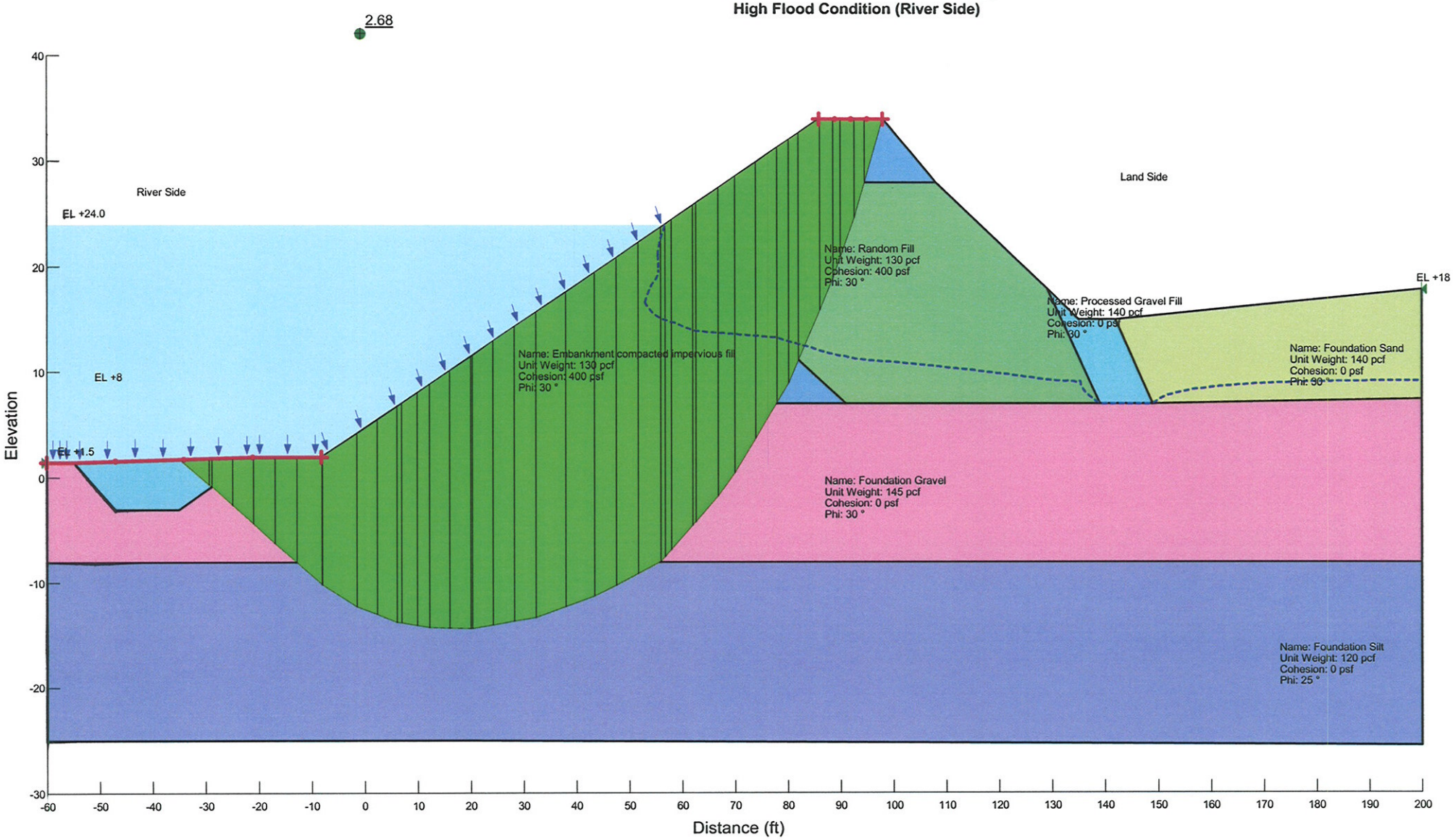
SLOPE/W ANALYSIS SECTION AT PSS-4
Steady State Condition (River Side)



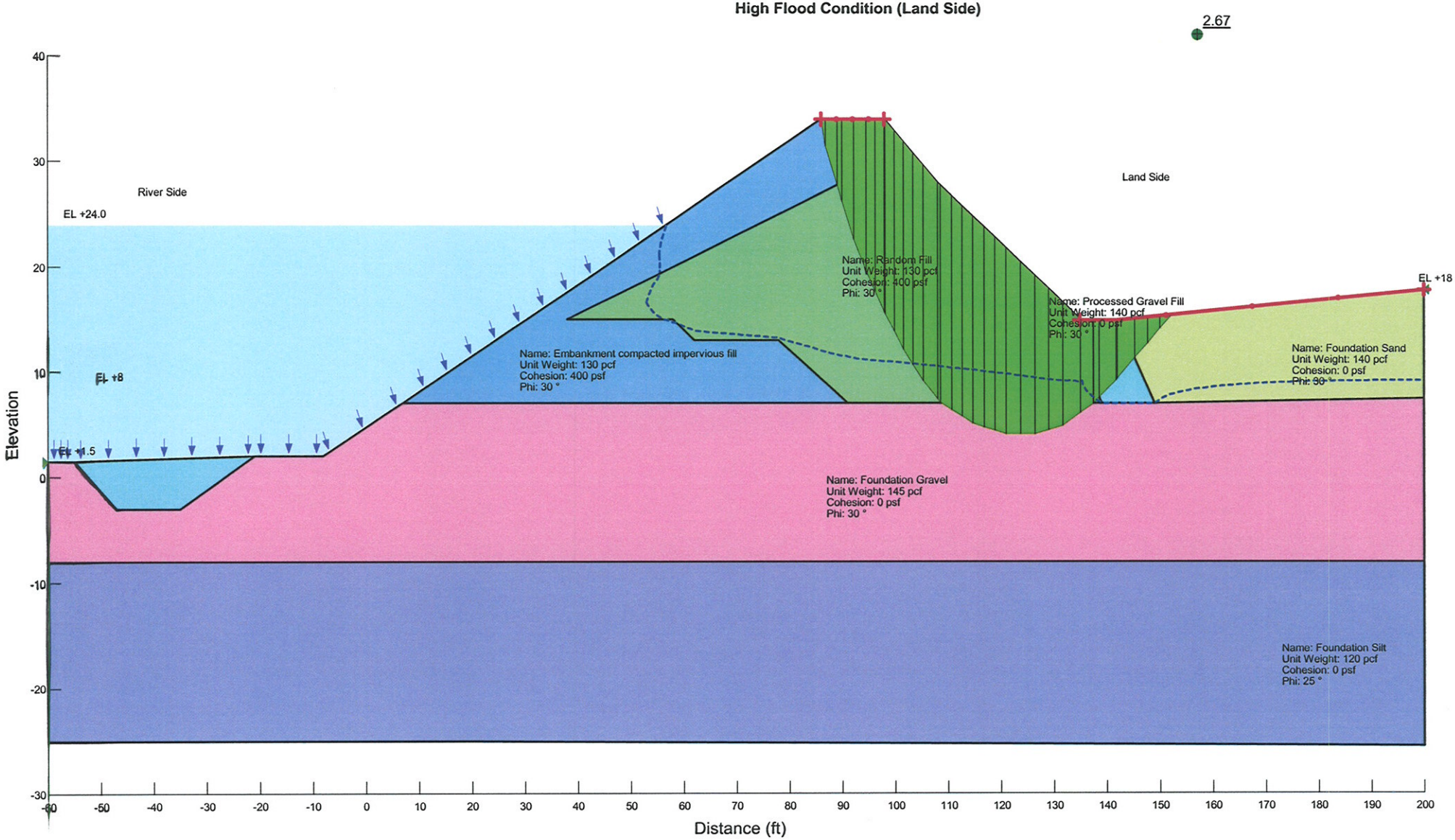
SLOPE/W ANALYSIS SECTION AT PSS-4
Steady State Condition (Land Side)



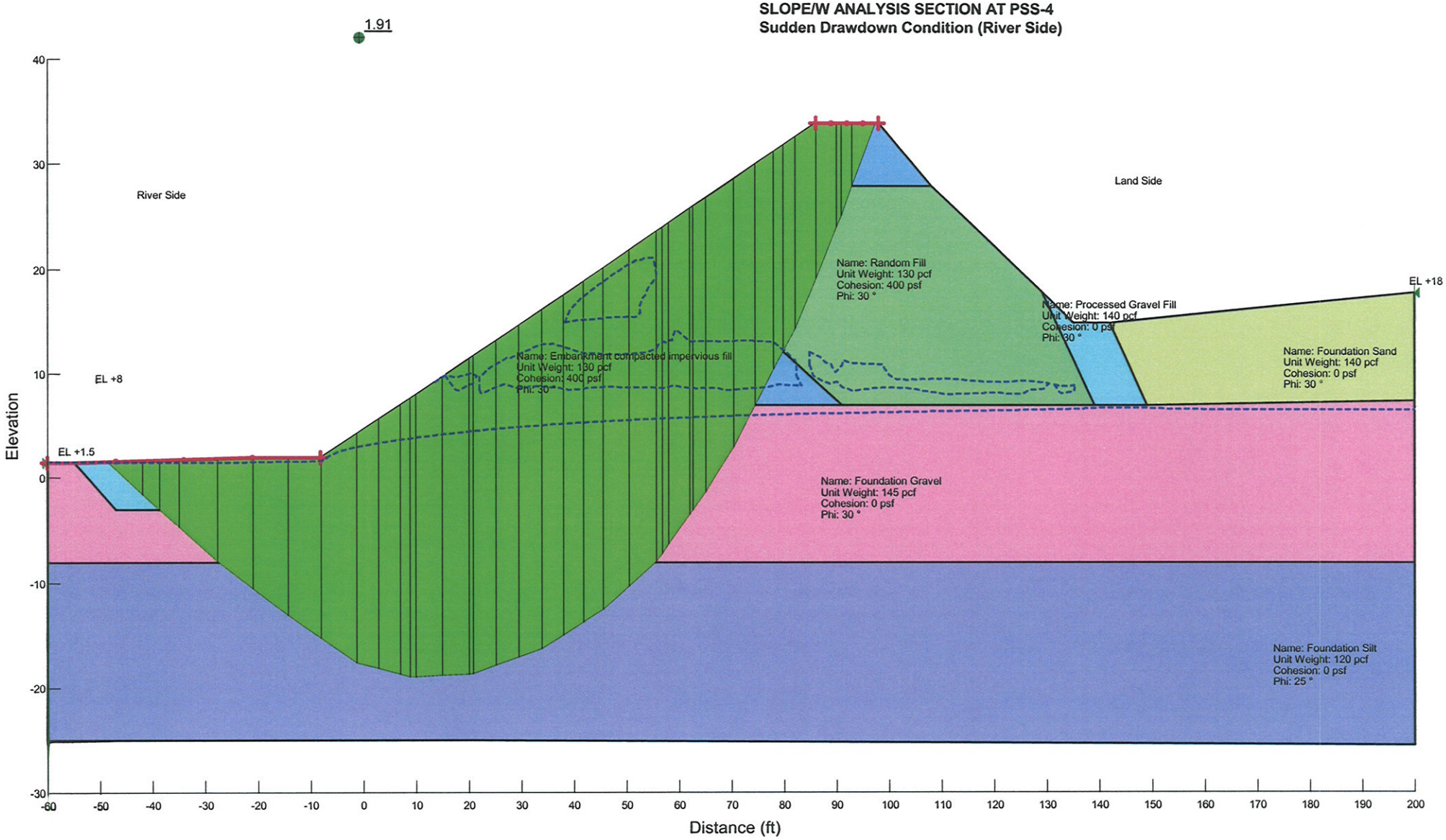
SLOPE/W ANALYSIS SECTION AT PSS-4
High Flood Condition (River Side)



SLOPE/W ANALYSIS SECTION AT PSS-4
High Flood Condition (Land Side)

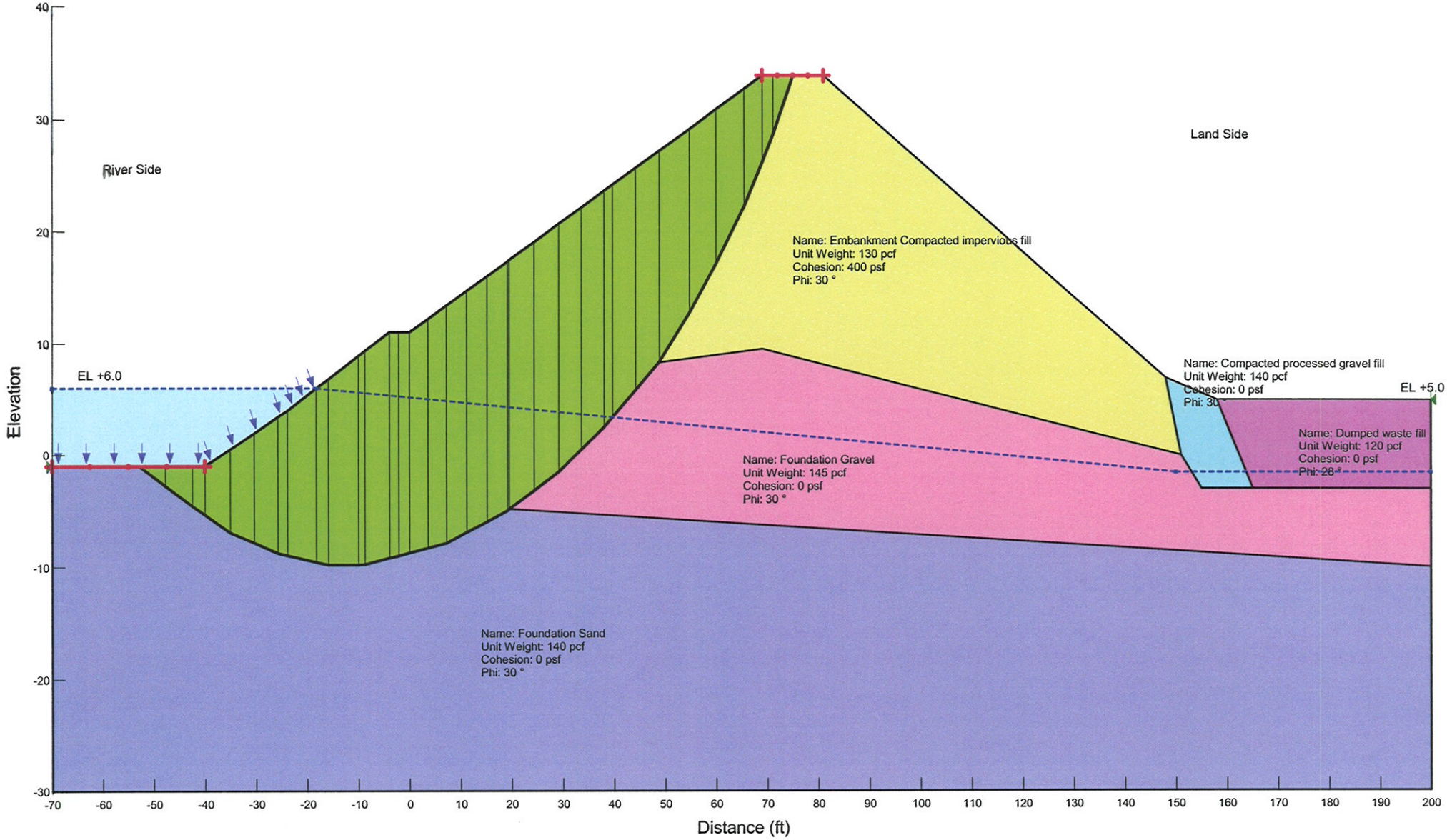


SLOPE/W ANALYSIS SECTION AT PSS-4
Sudden Drawdown Condition (River Side)

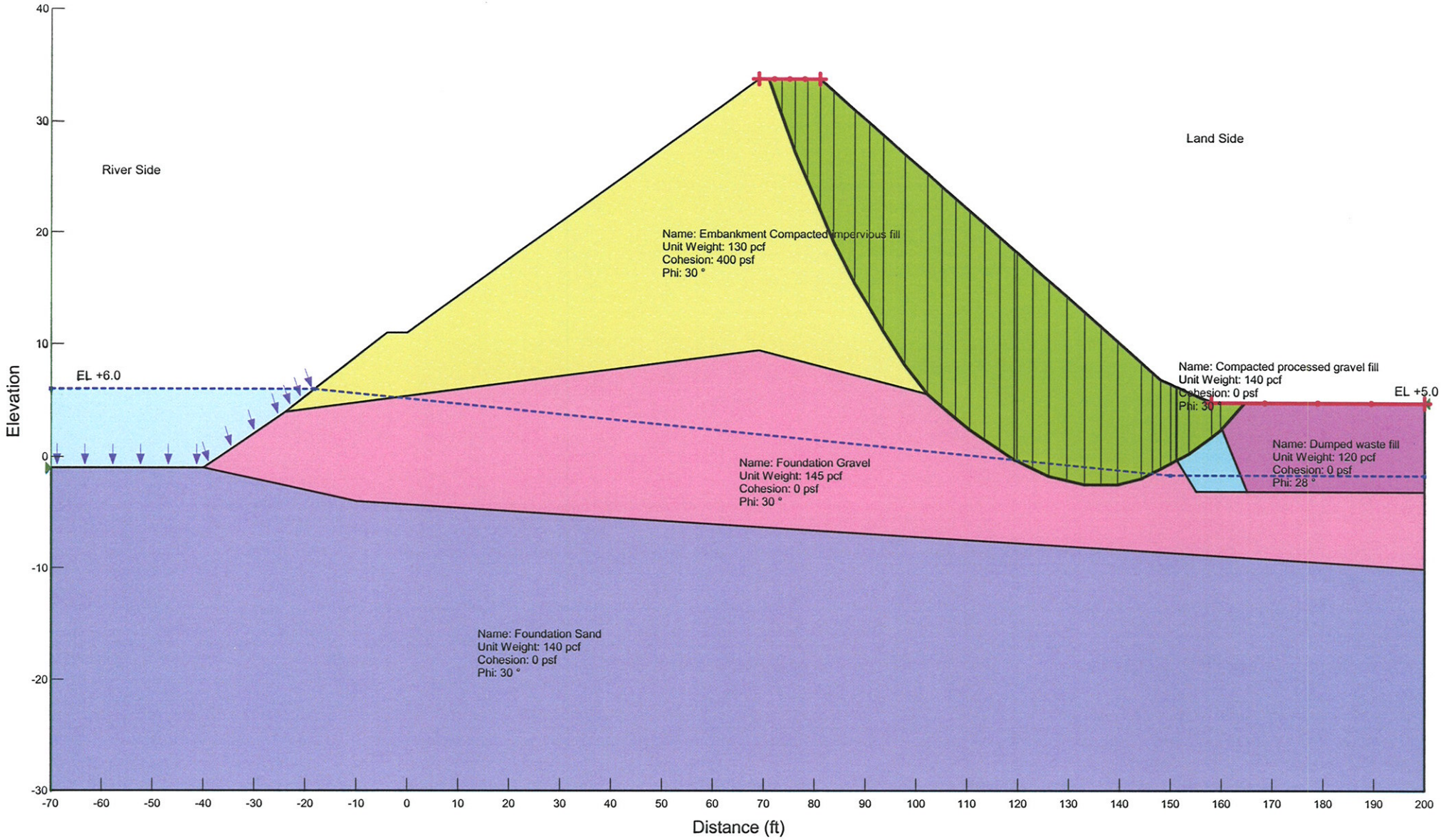


2.14

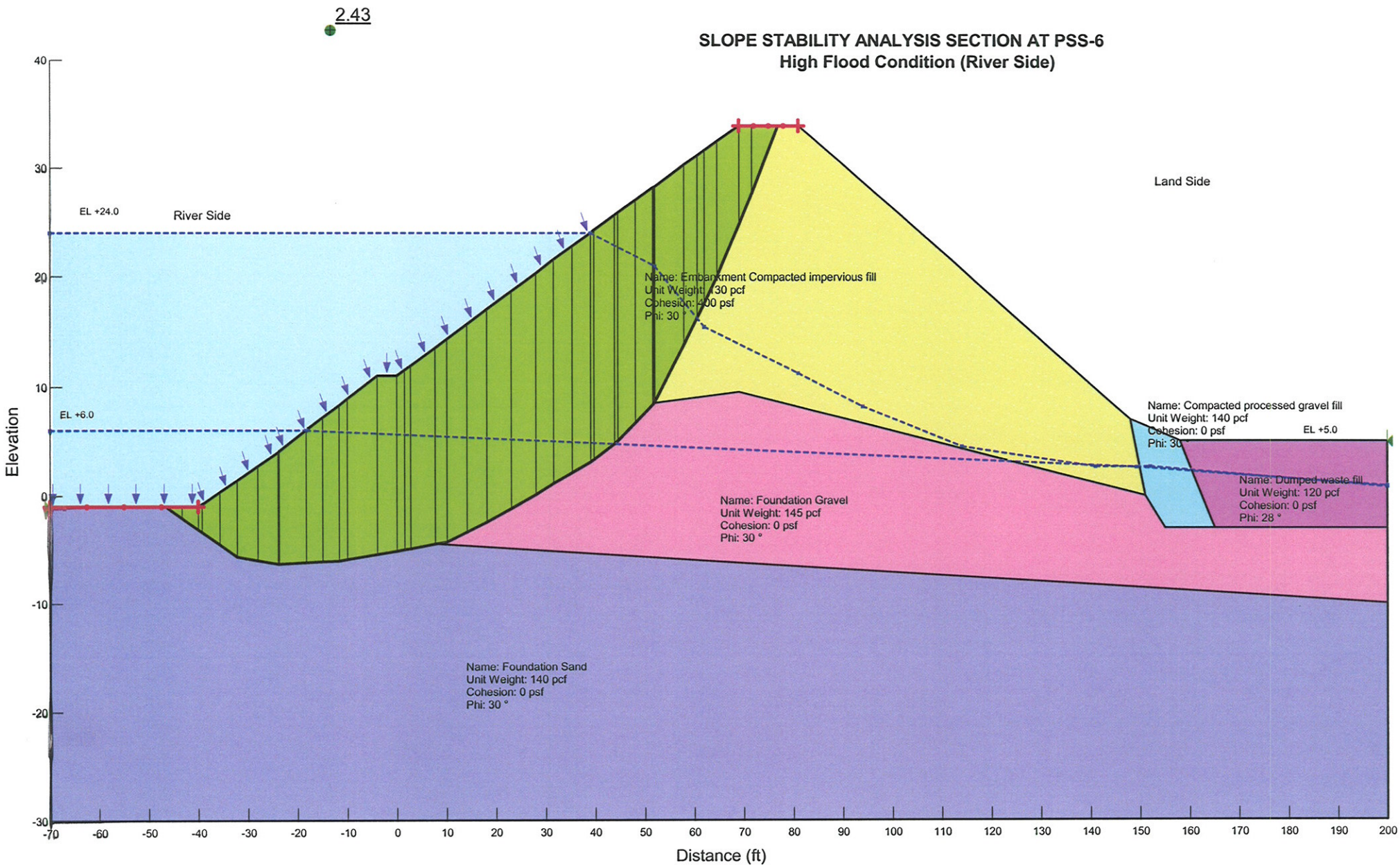
SLOPE STABILITY ANALYSIS SECTION AT PSS-6
Steady State Condition (River Side)



SLOPE STABILITY ANALYSIS SECTION AT PSS-6
Steady State Condition (Land Side)

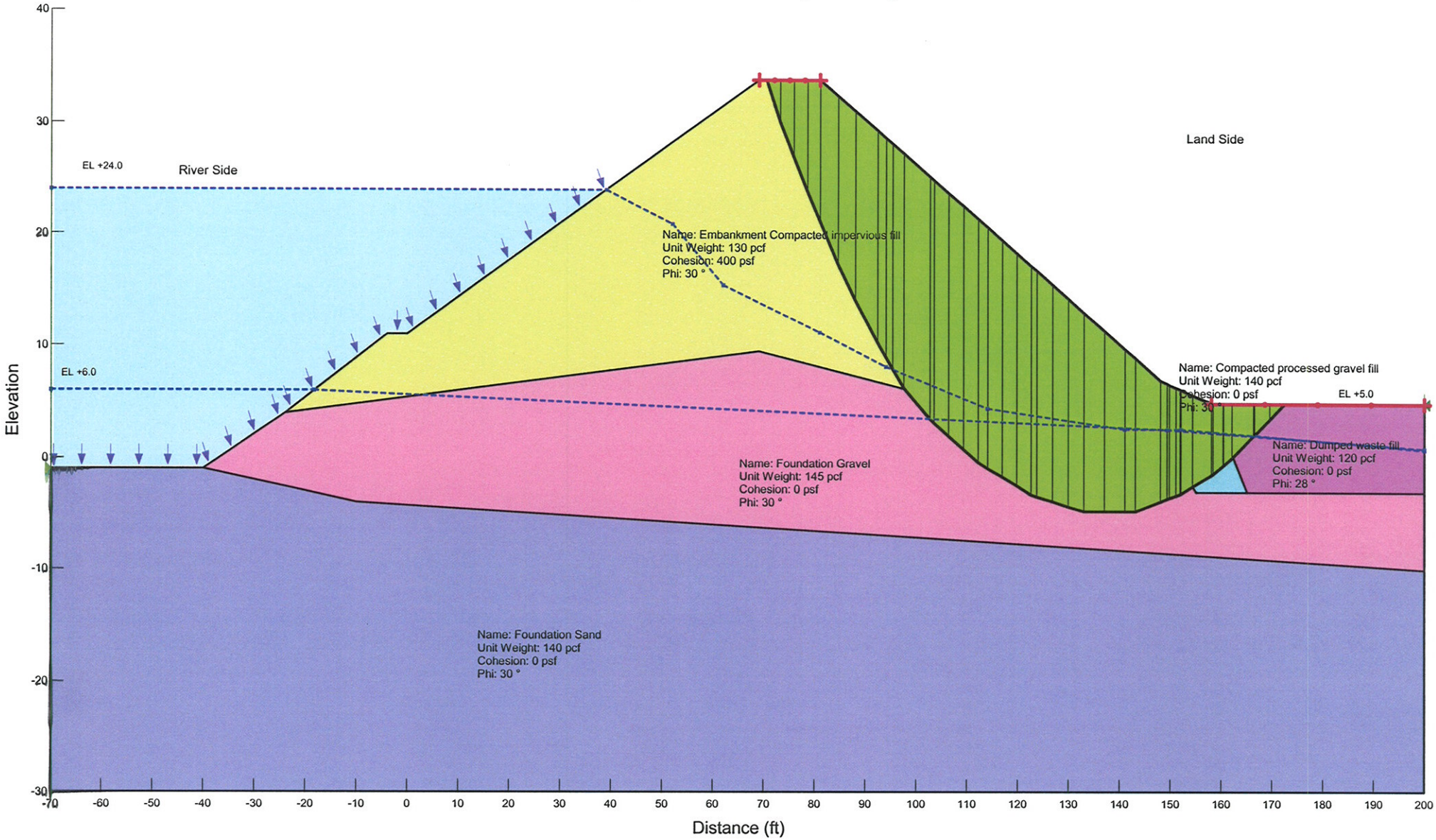


2.43

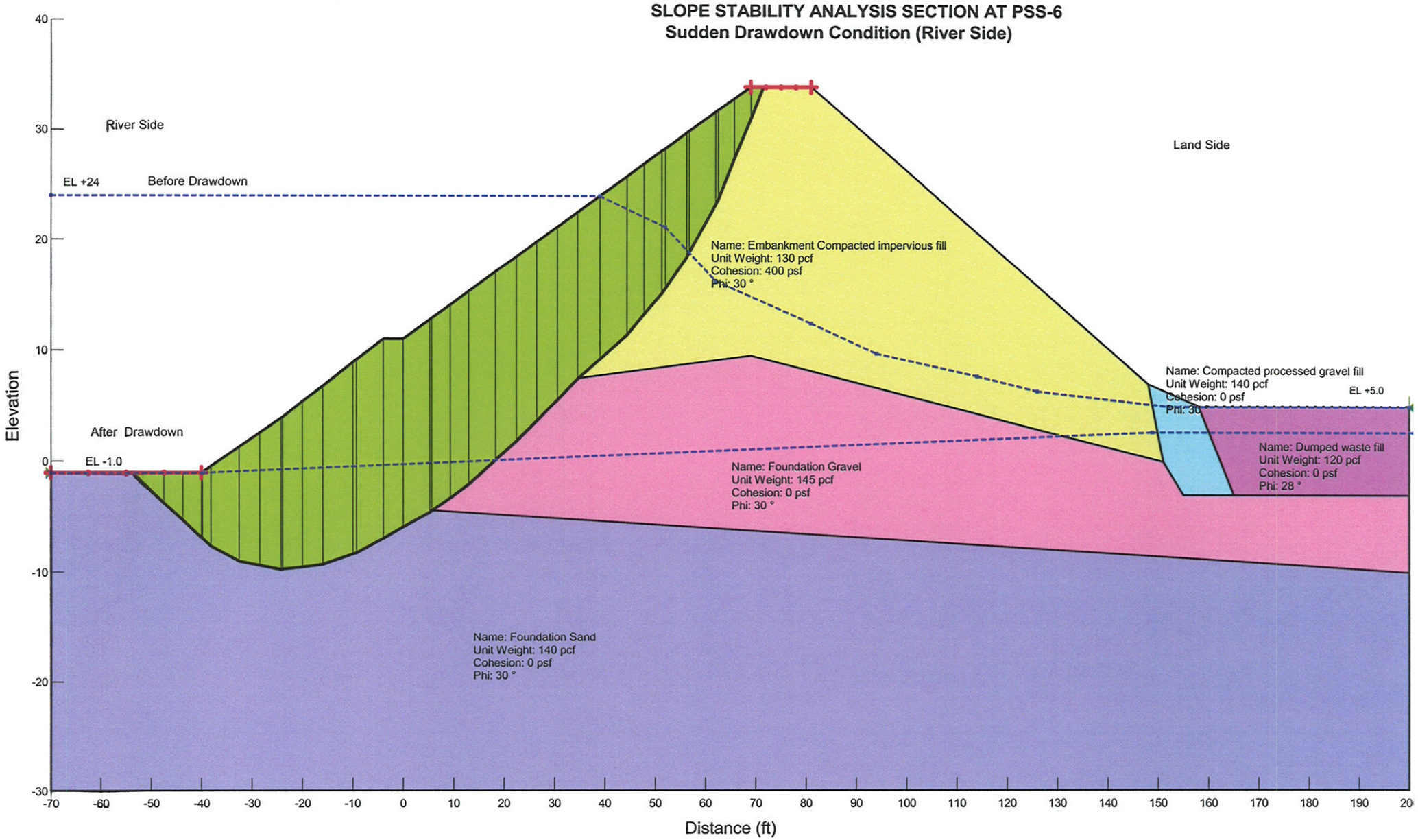

SLOPE STABILITY ANALYSIS SECTION AT PSS-6
High Flood Condition (River Side)
River Side
Land Side
EL +24.0
EL +6.0
EL +5.0
Name: Embankment Compacted impervious fill
Unit Weight: 130 pcf
Cohesion: 400 psf
Phi: 30 °
Name: Compacted processed gravel fill
Unit Weight: 140 pcf
Cohesion: 0 psf
Name: Dumped waste fill
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 28 °
Name: Foundation Gravel
Unit Weight: 145 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Foundation Sand
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 30 °
Elevation
Distance (ft)

SLOPE STABILITY ANALYSIS SECTION AT PSS-6
High Flood Condition (Land Side)

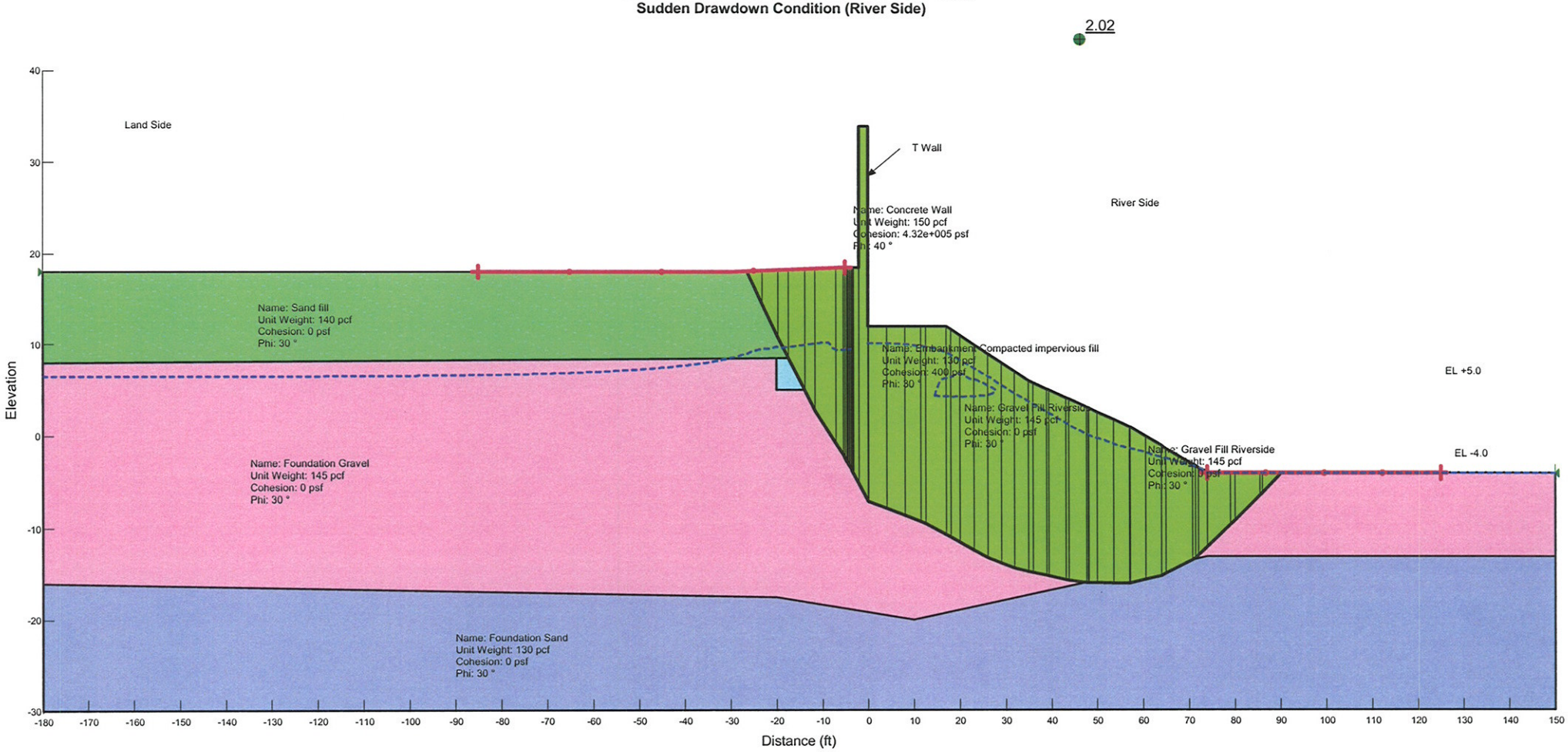
2.09



2.09

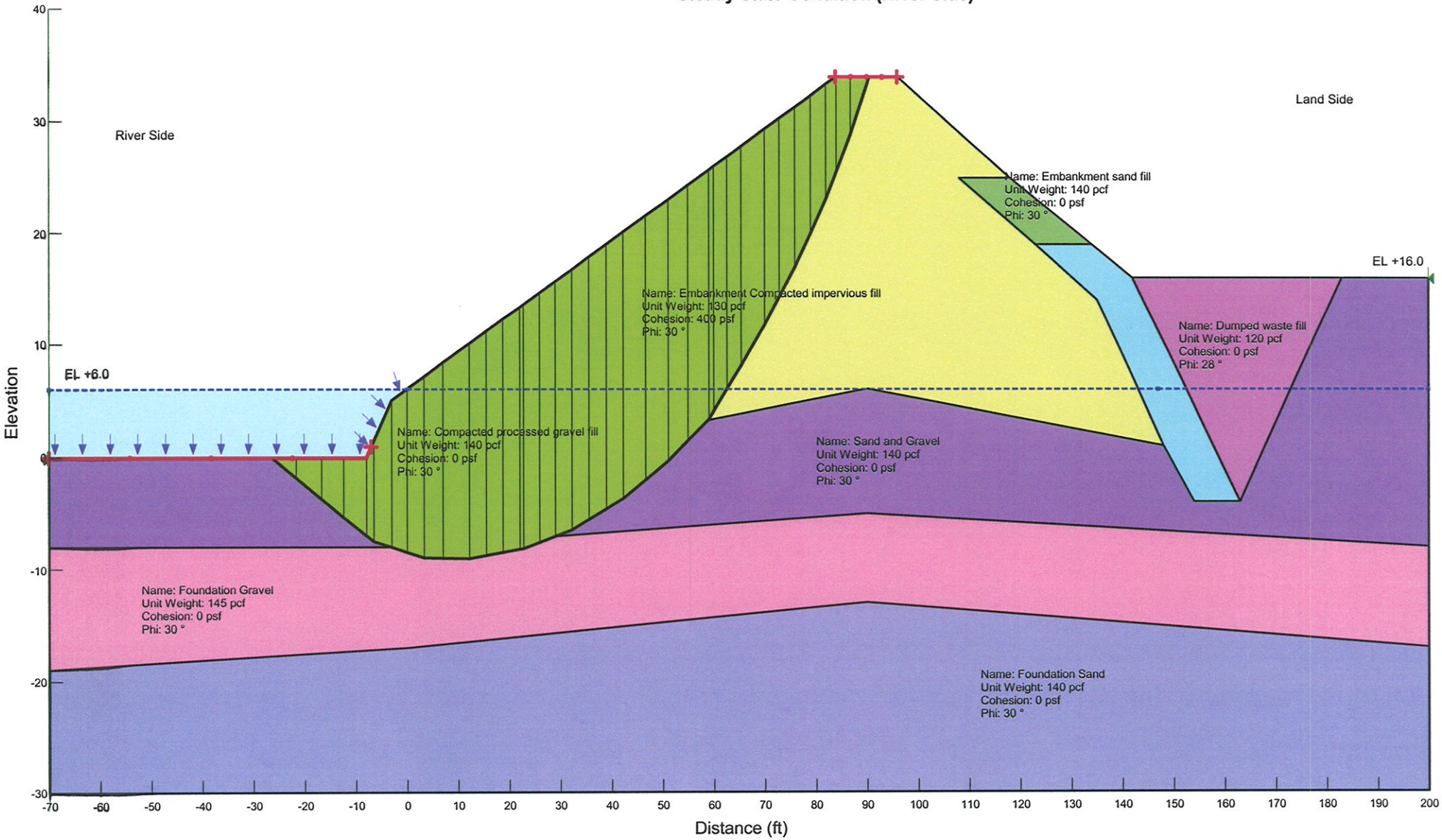

SLOPE STABILITY ANALYSIS SECTION AT PSS-6
Sudden Drawdown Condition (River Side)
River Side
Land Side
EL +24
Before Drawdown
After Drawdown
EL -1.0
EL +5.0
Name: Embankment Compacted impervious fill
Unit Weight: 130 pcf
Cohesion: 400 psf
Phi: 30 °
Name: Compacted processed gravel fill
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Dumped waste fill
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 28 °
Name: Foundation Gravel
Unit Weight: 145 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Foundation Sand
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 30 °
Elevation
Distance (ft)
40
30
20
10
0
-10
-20
-30
-70
-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

SLOPE/W ANALYSIS SECTION AT PSS-7 ("T" Wall)
Sudden Drawdown Condition (River Side)

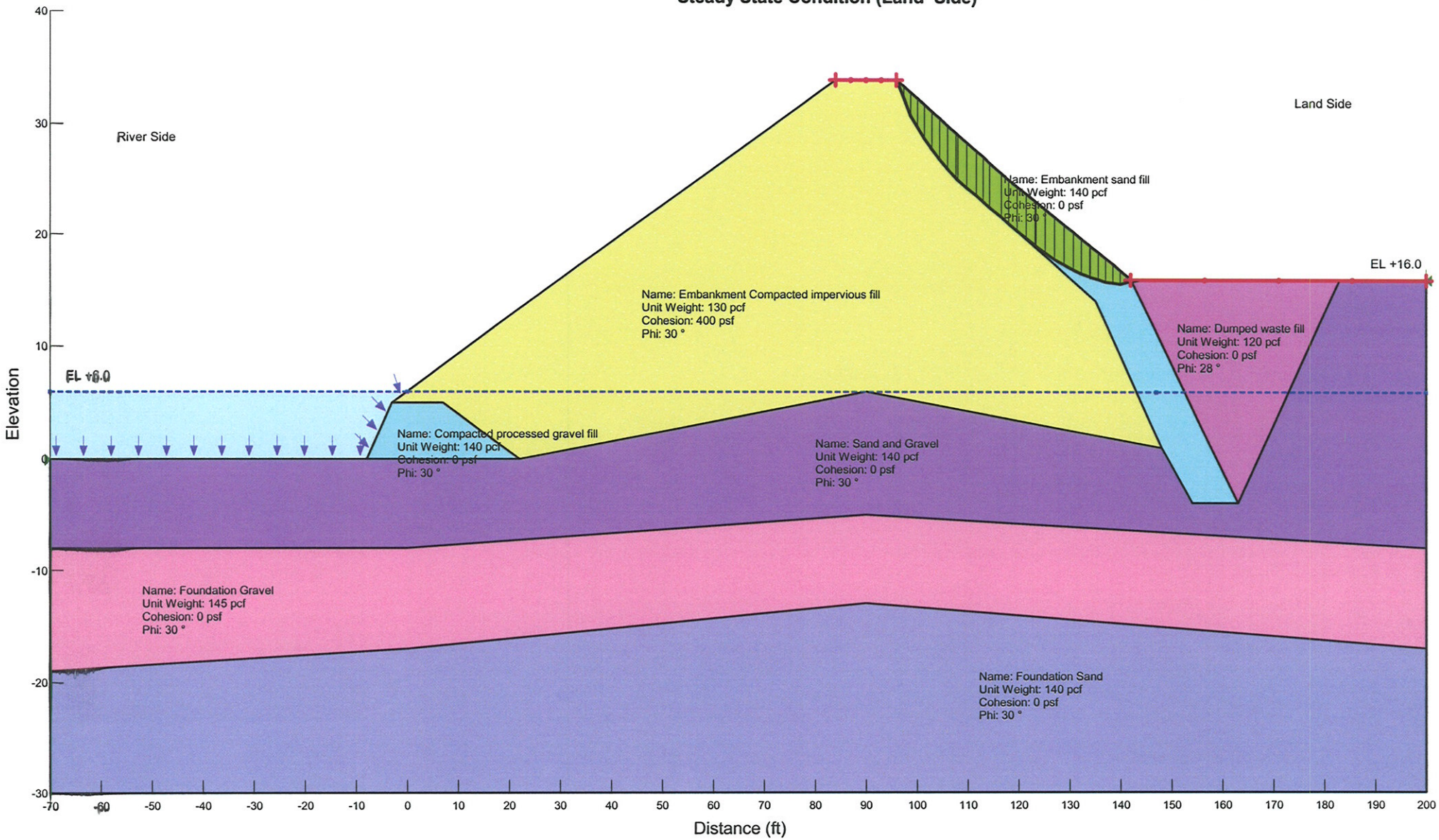


2.06

SLOPE/W ANALYSIS SECTION AT PSS-8
Steady State Condition (River Side)

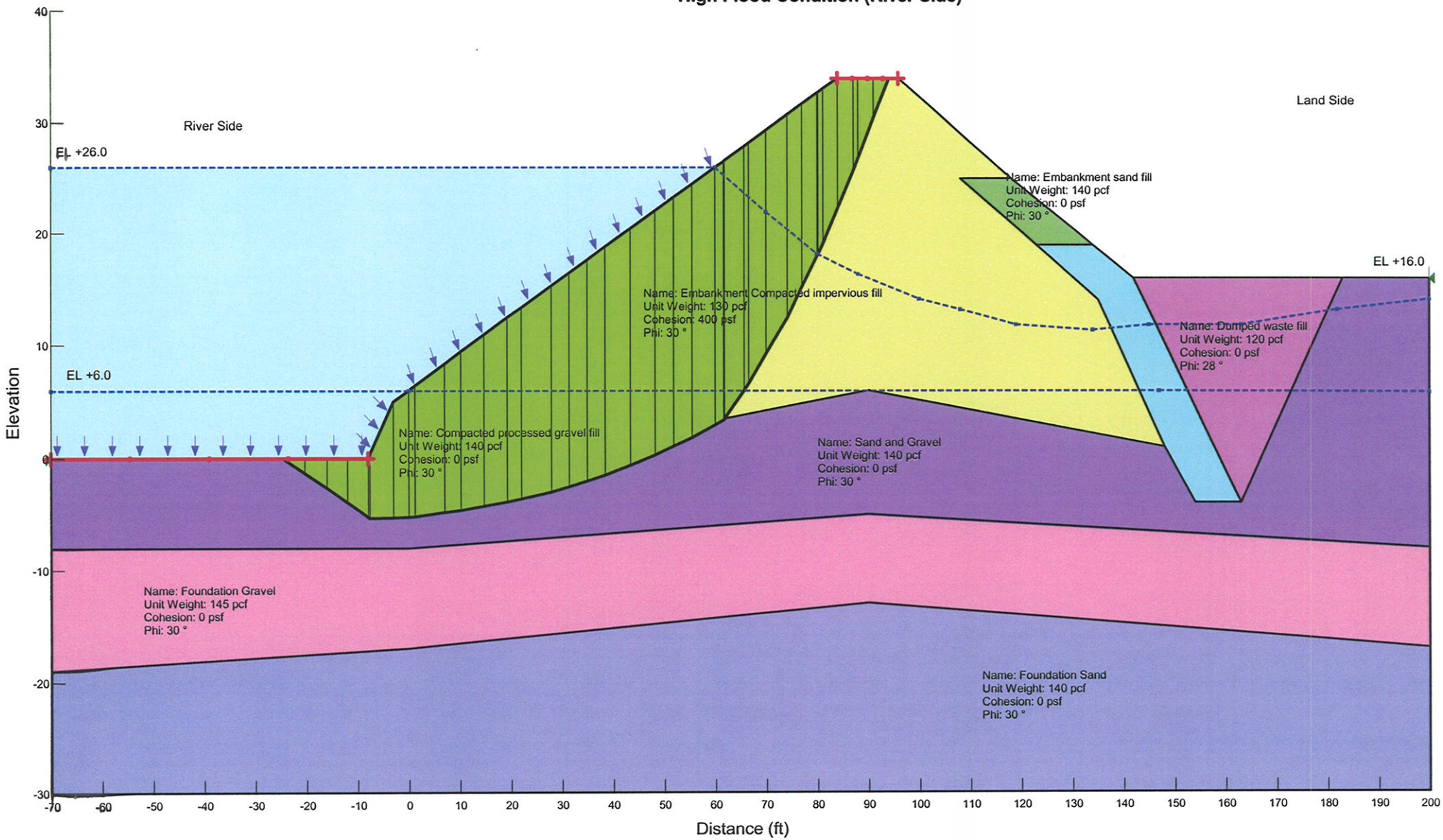


SLOPE/W ANALYSIS SECTION AT PSS-8
Steady State Condition (Land Side)

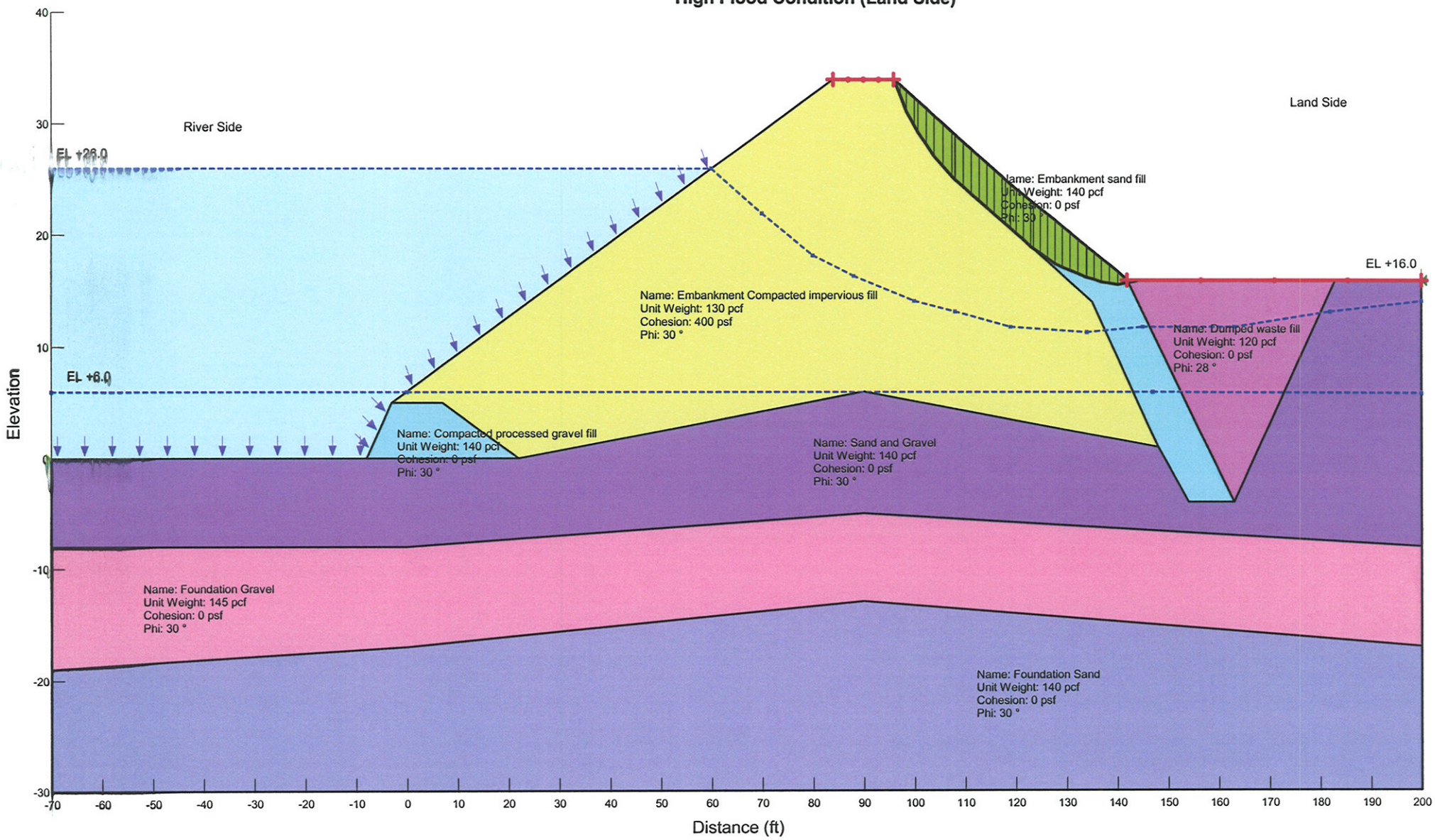


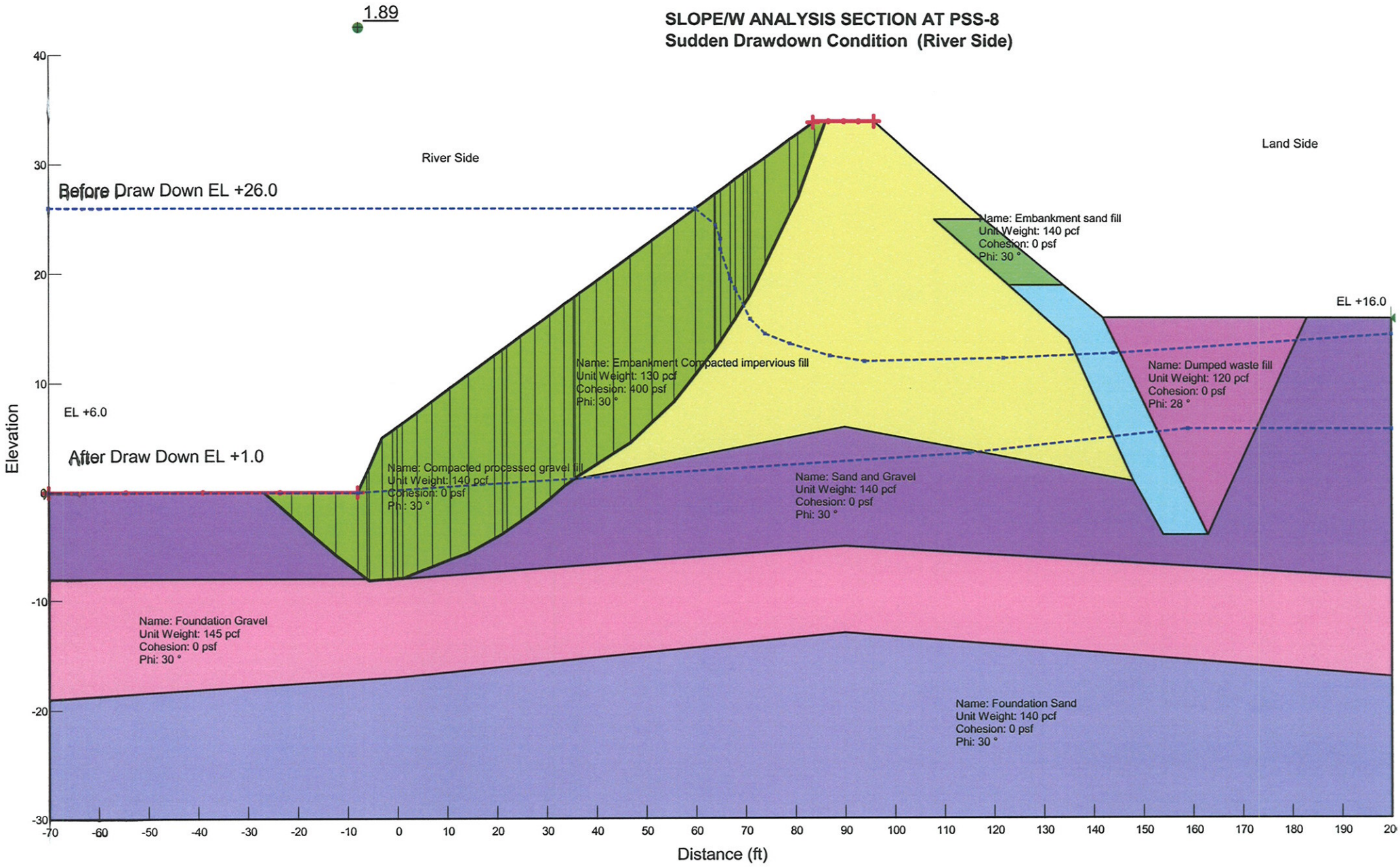
2.47

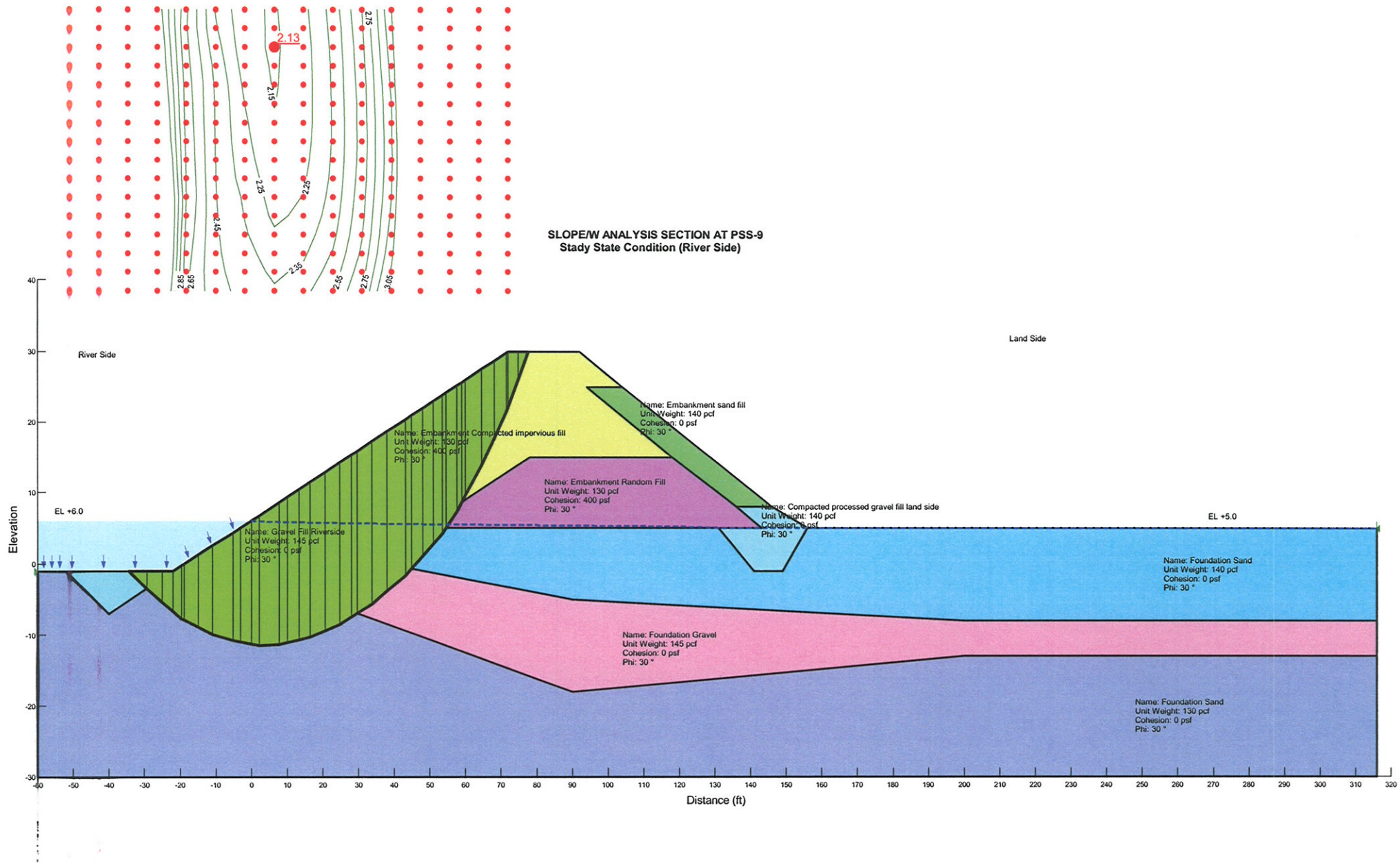
SLOPE/W ANALYSIS SECTION AT PSS-8
High Flood Condition (River Side)



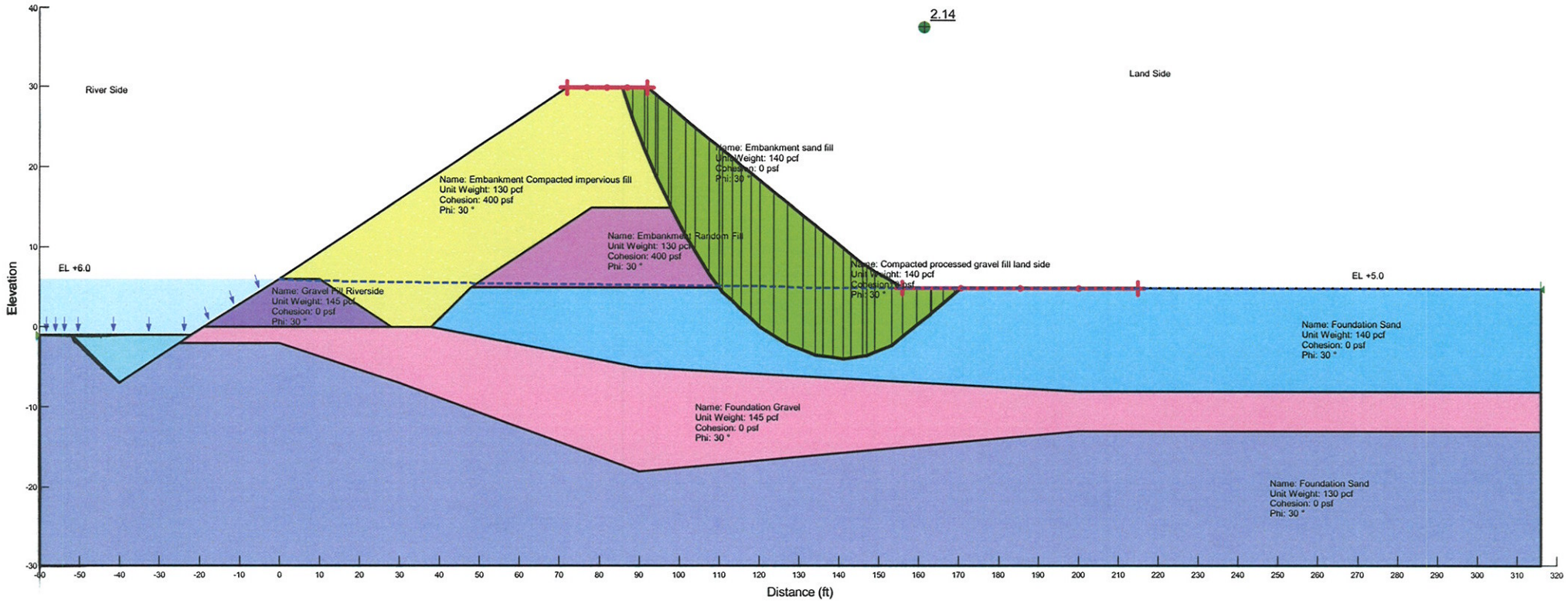
SLOPE/W ANALYSIS SECTION AT PSS-8
High Flood Condition (Land Side)

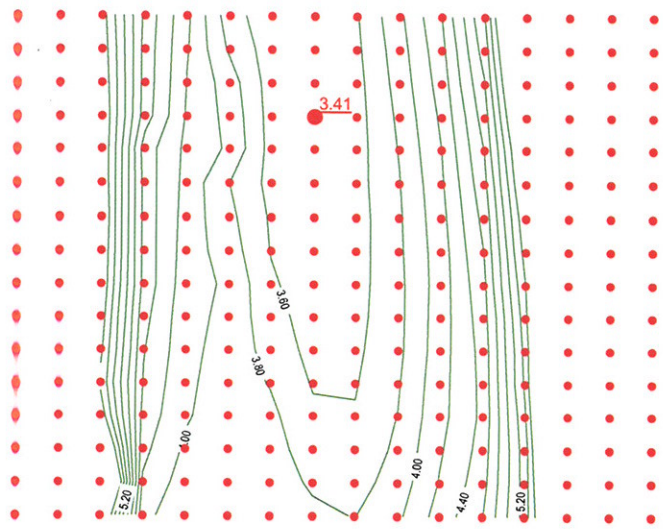



1.89
SLOPE/W ANALYSIS SECTION AT PSS-8
Sudden Drawdown Condition (River Side)
River Side
Land Side
Before Draw Down EL +26.0
After Draw Down EL +1.0
EL +6.0
EL +16.0
Name: Embankment sand fill
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Embankment Compacted impervious fill
Unit Weight: 130 pcf
Cohesion: 400 psf
Phi: 30 °
Name: Dumped waste fill
Unit Weight: 120 pcf
Cohesion: 0 psf
Phi: 28 °
Name: Compacted processed gravel fill
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Sand and Gravel
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Foundation Gravel
Unit Weight: 145 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Foundation Sand
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 30 °
Elevation
Distance (ft)
40
30
20
10
0
-10
-20
-30
-70
-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

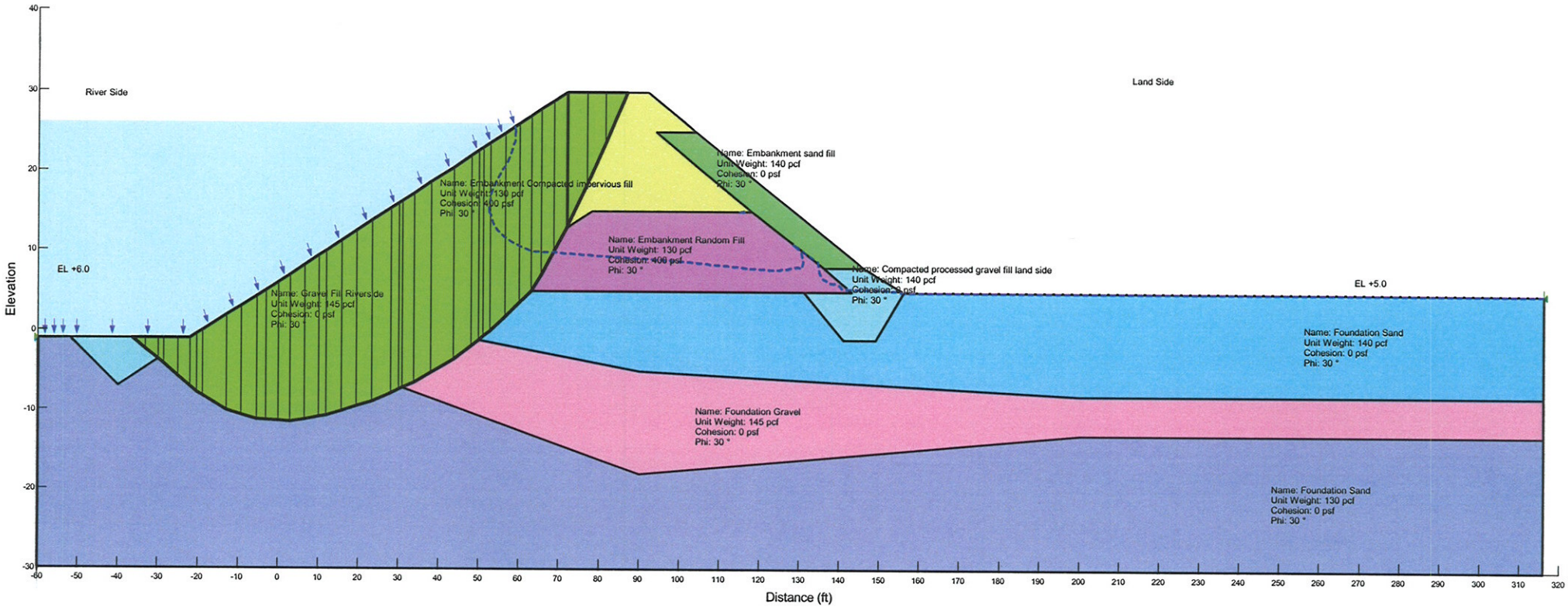

2.13
2.75
2.15
2.25
2.25
2.45
2.35
2.65
2.75
3.05
2.85
2.65
SLOPE/W ANALYSIS SECTION AT PSS-9
Stady State Condition (River Side)
River Side
Land Side
Name: Embankment Compacted impervious fill
Unit Weight: 130 pcf
Cohesion: 400 psf
Phi: 30 °
Name: Embankment sand fill
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Embankment Random Fill
Unit Weight: 130 pcf
Cohesion: 400 psf
Phi: 30 °
Name: Compacted processed gravel fill land side
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 30 °
EL +6.0
EL +5.0
Name: Gravel Fill Riverside
Unit Weight: 145 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Foundation Sand
Unit Weight: 140 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Foundation Gravel
Unit Weight: 145 pcf
Cohesion: 0 psf
Phi: 30 °
Name: Foundation Sand
Unit Weight: 130 pcf
Cohesion: 0 psf
Phi: 30 °
Elevation
Distance (ft)

SLOPE/W ANALYSIS SECTION AT PSS-9
Stady State Condition (Land Side)

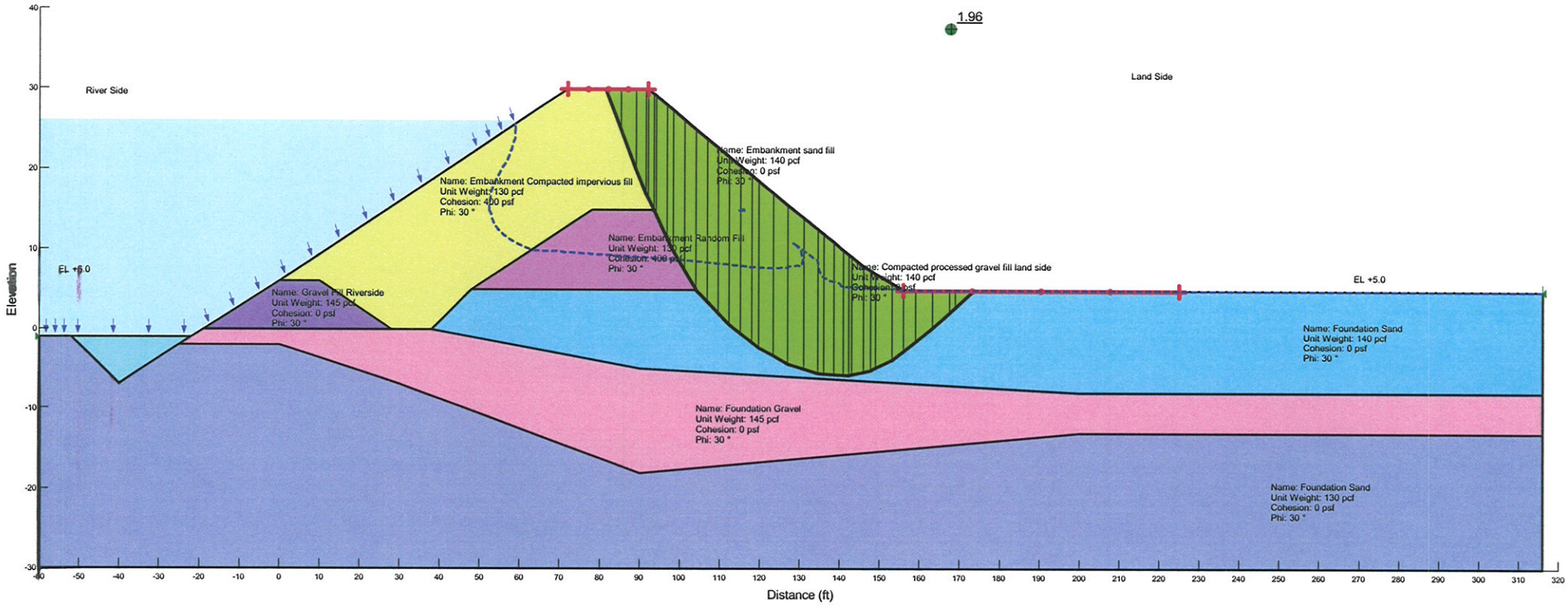


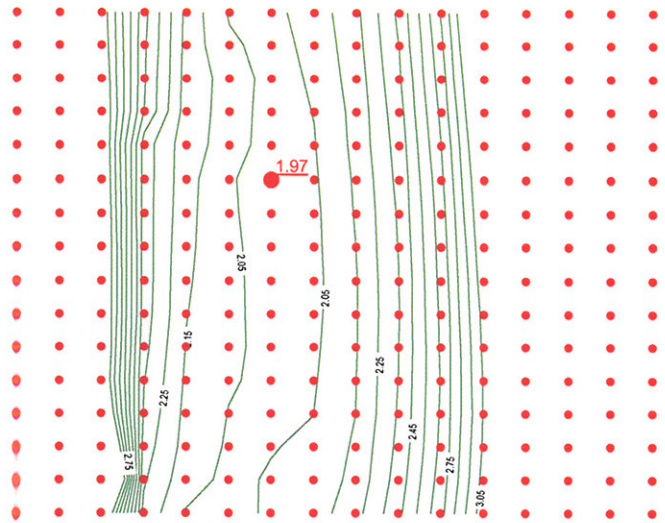


SLOPE/W ANALYSIS SECTION AT PSS-9
High Flood Condition (River Side)

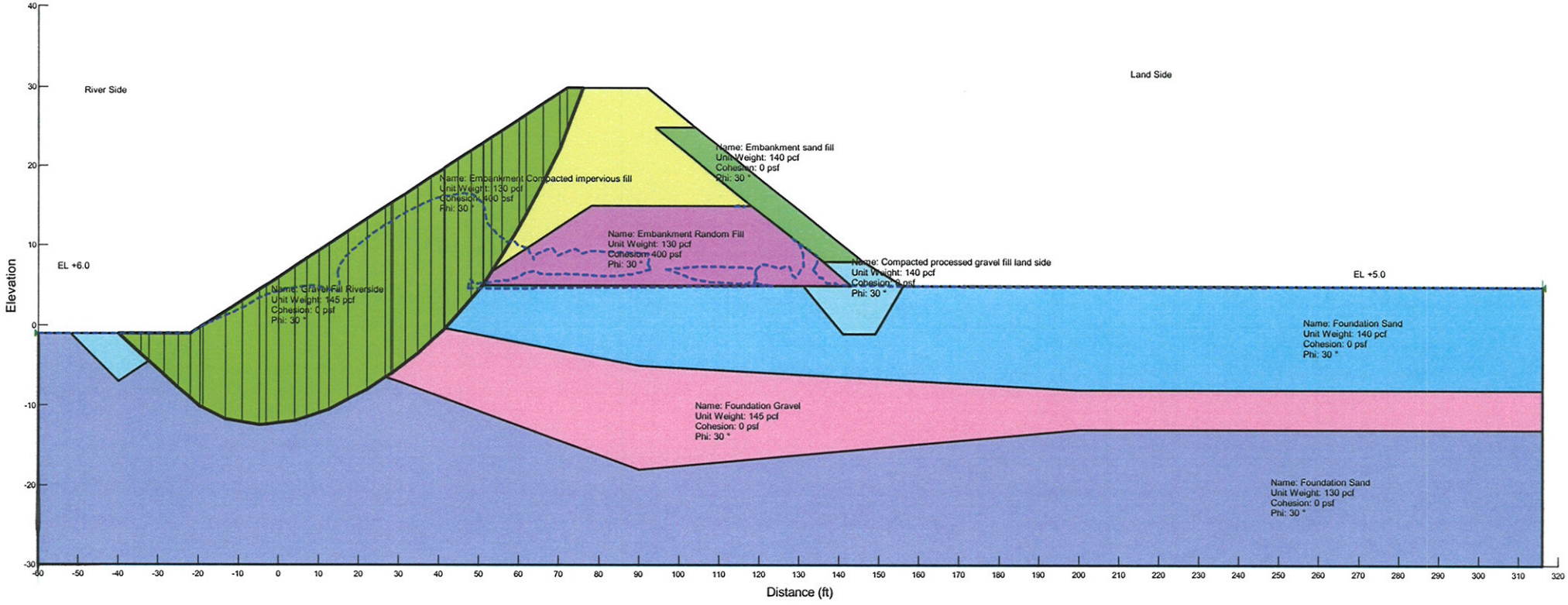


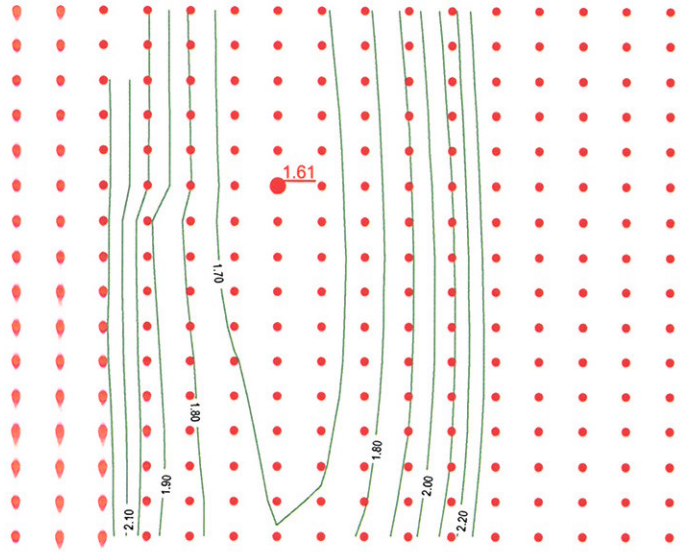
SLOPE/W ANALYSIS SECTION AT PSS-9
High Flood Condition (Land Side)



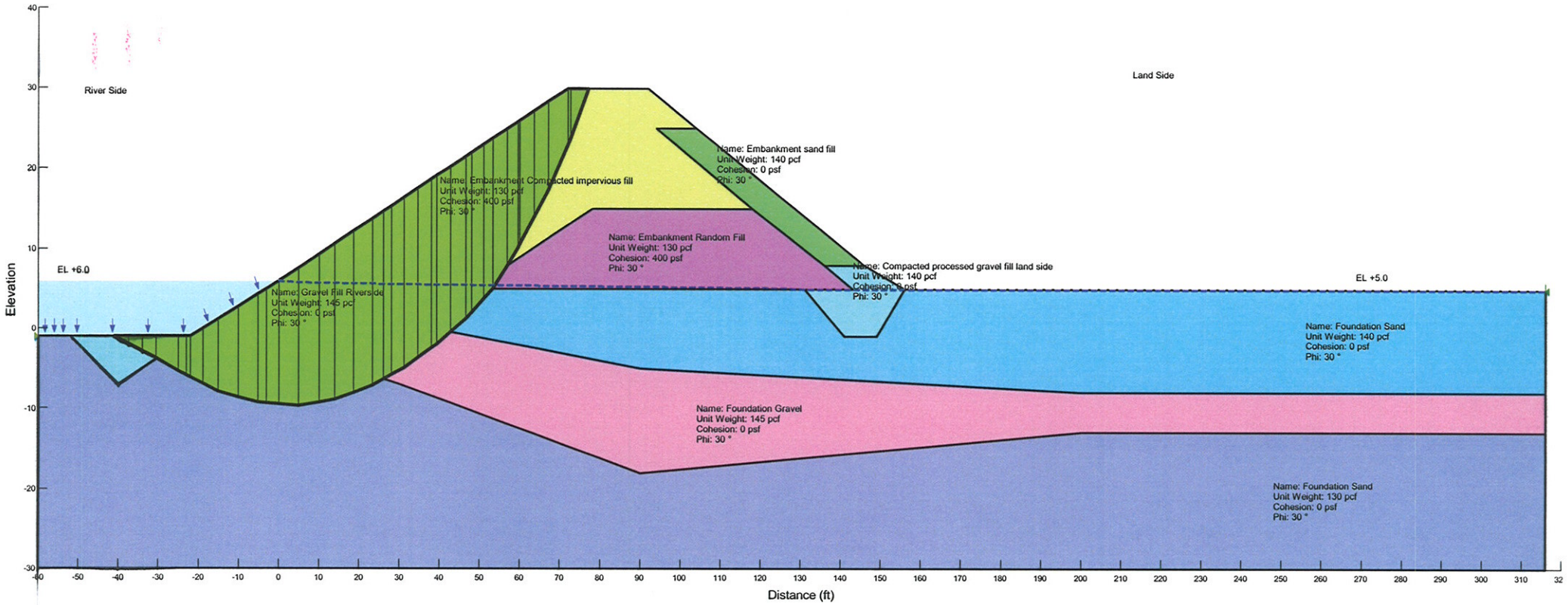


SLOPE/W ANALYSIS SECTION AT PSS-9
Sudden Drawdown Condition (River Side)

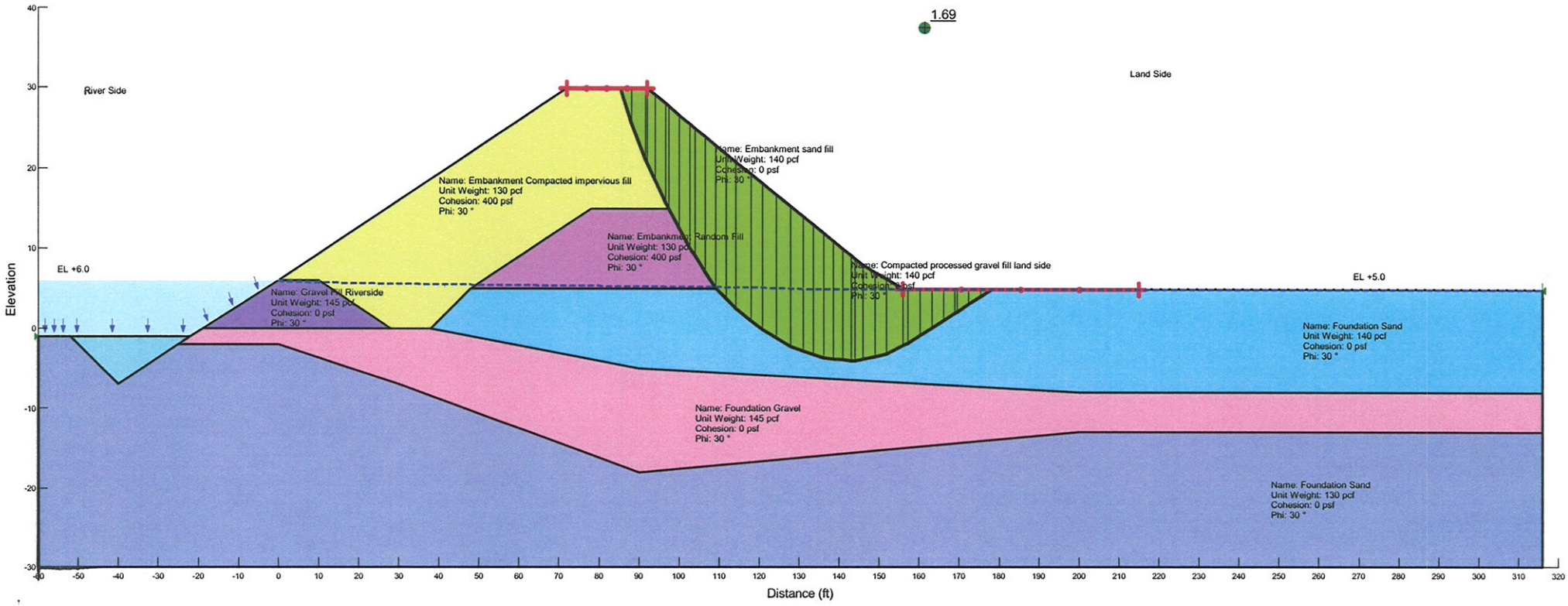


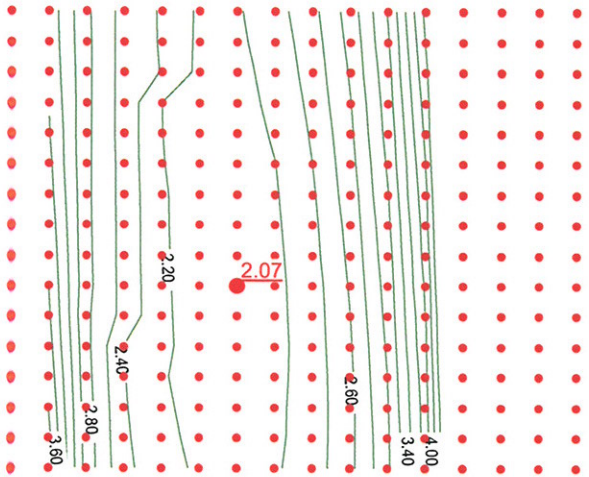


SLOPE/W ANALYSIS SECTION AT PSS-9
Pseudo Static Condition (River Side)

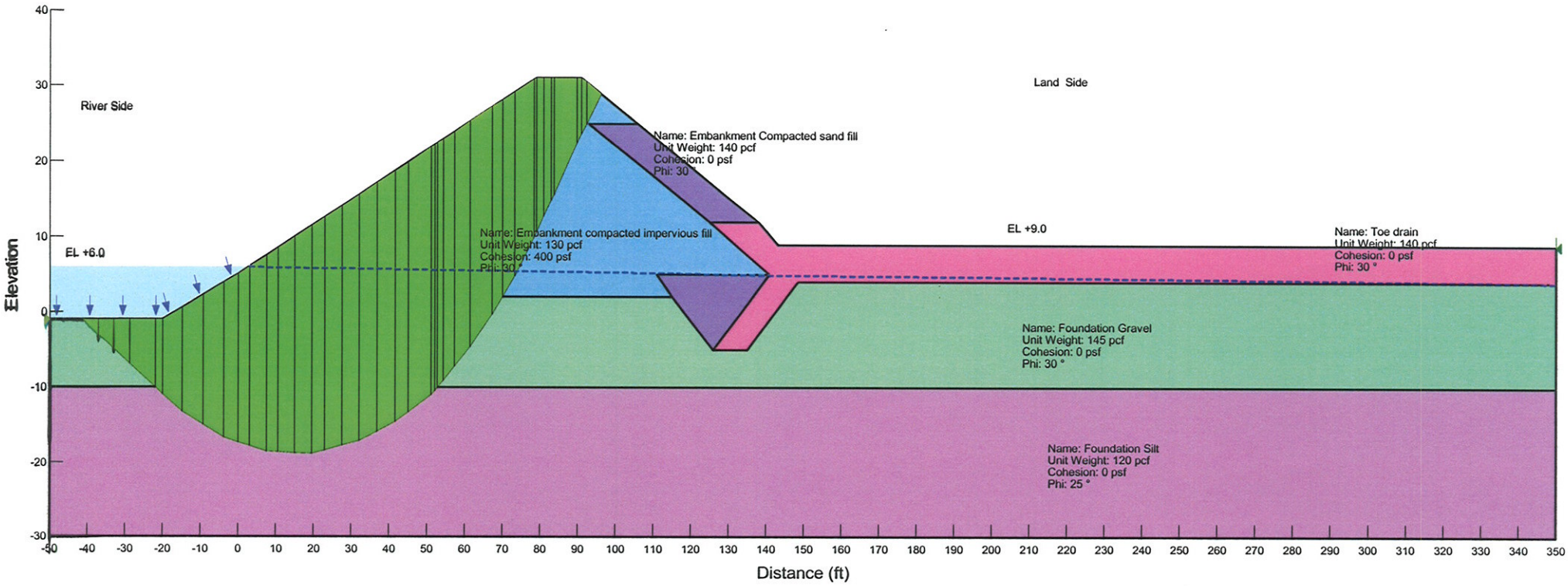


SLOPE/W ANALYSIS SECTION AT PSS-9
Pseudo Static Condition (Land Side)

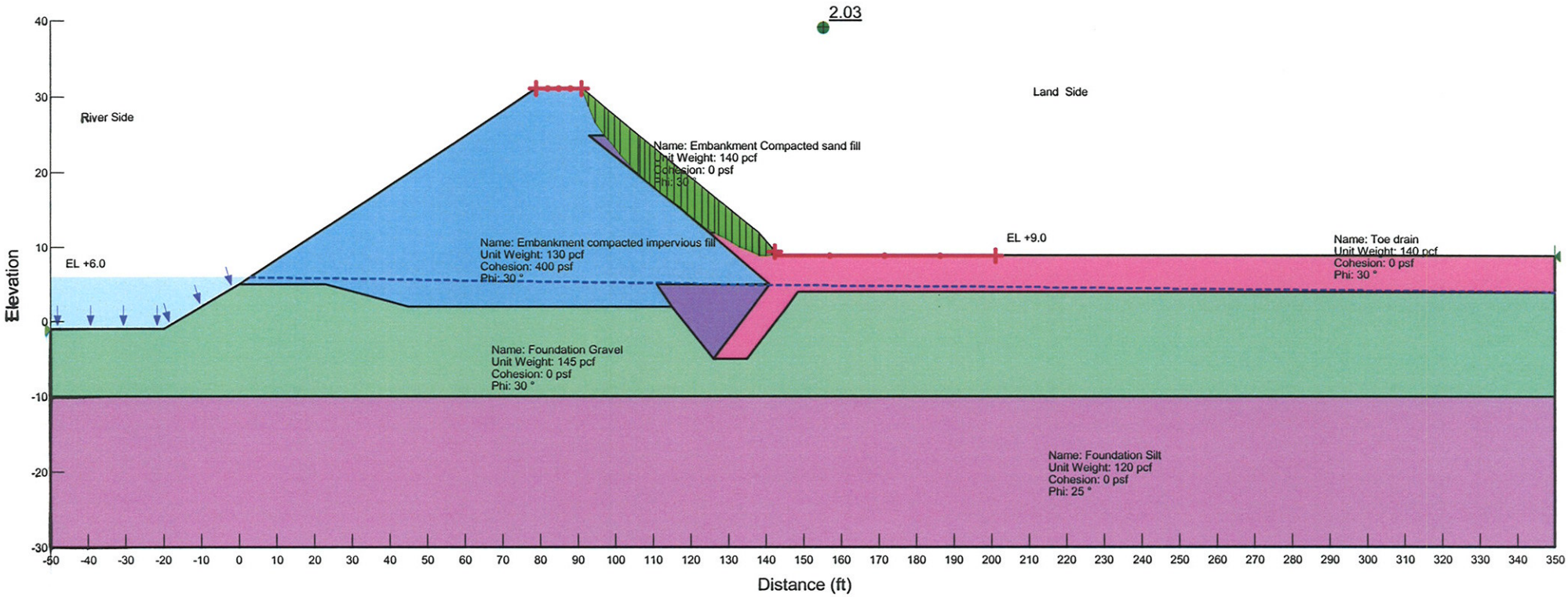


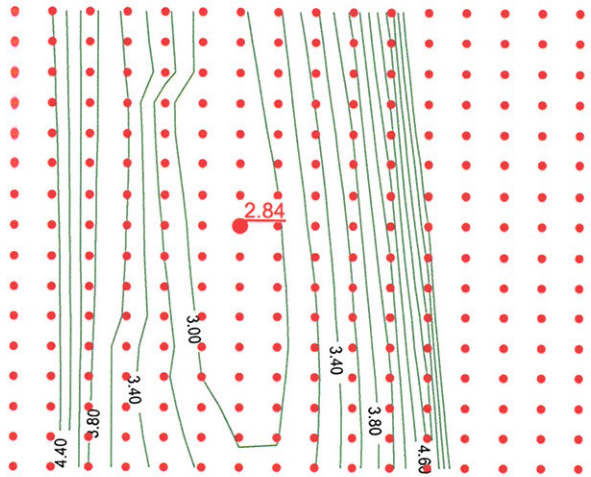


SLOPE/W ANALYSIS SECTION AT PSS-10
Steady State Condition (River Side)

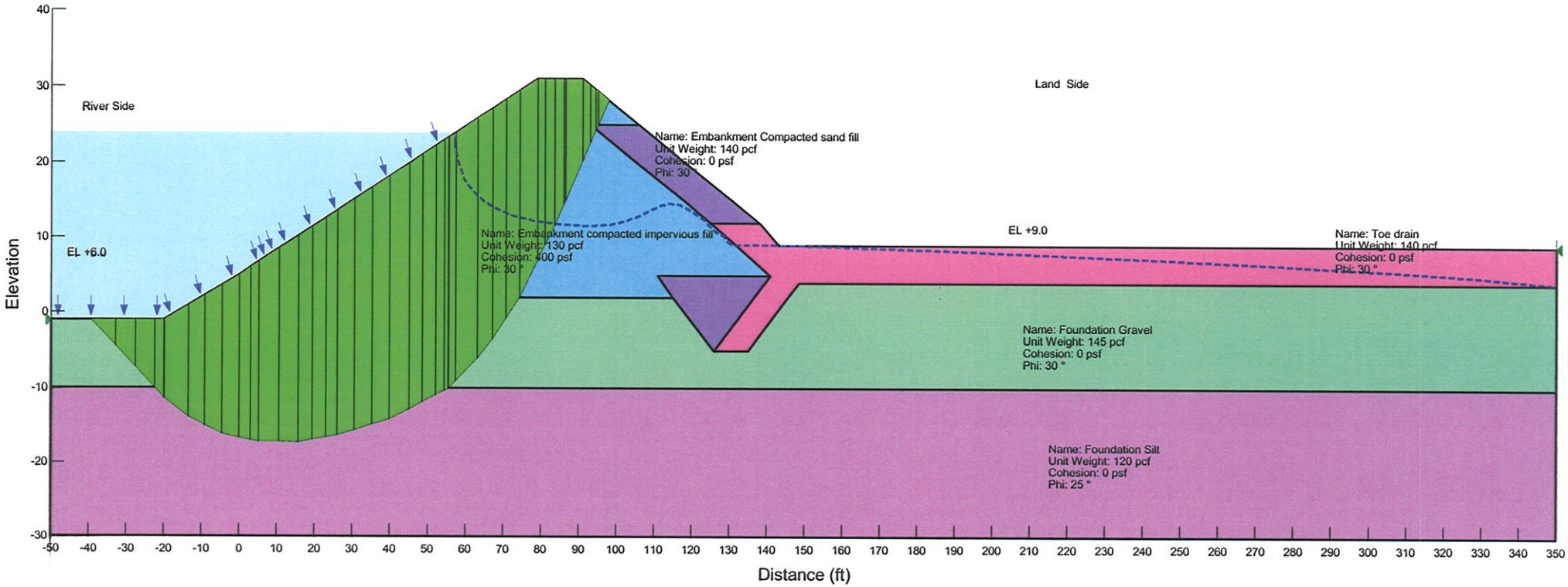


SLOPE/W ANALYSIS SECTION AT PSS-10
Steady State Condition (Land Side)

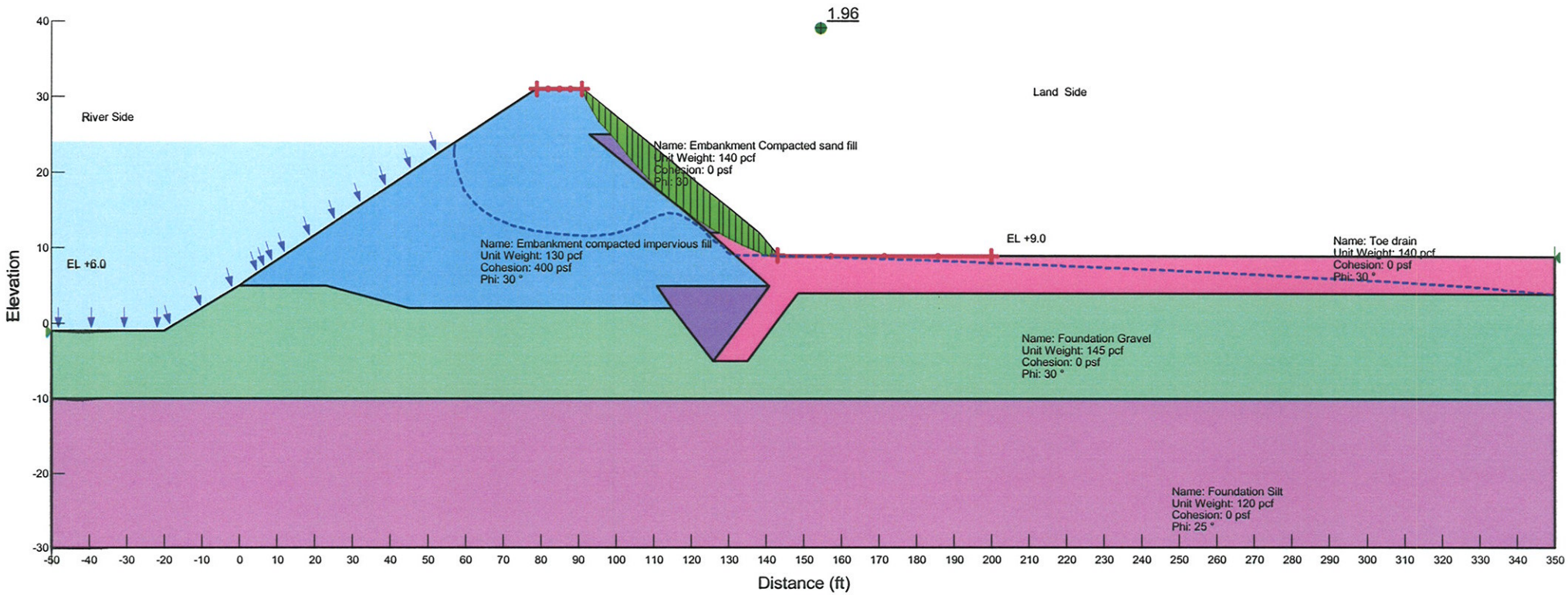


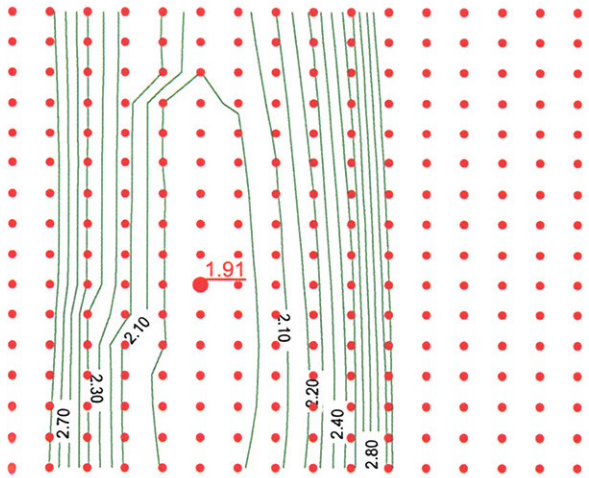


SLOPE/W ANALYSIS SECTION AT PSS-10
High Flood Condition (River Side)



SLOPE/W ANALYSIS SECTION AT PSS-10
High Flood Condition (Land Side)





SLOPE/W ANALYSIS SECTION AT PSS-10
Sudden Drawdown Condition (River Side)

