

**Comanche Peak Nuclear Power Plant, Units 3 & 4
COL Application
Part 2, FSAR**

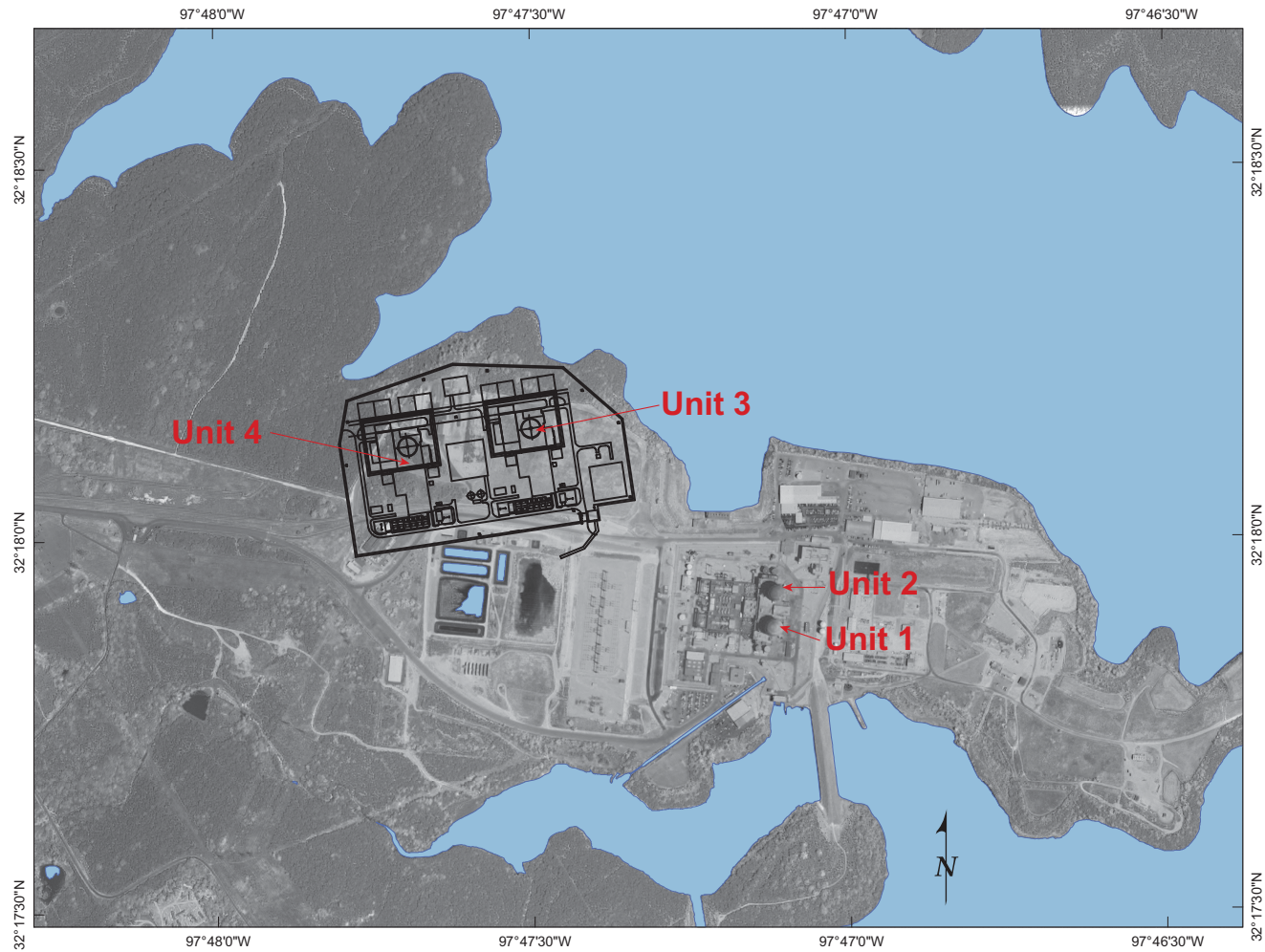


Figure 2.5.4-201 CPNPP Units 3 and 4 Site Location Map

RCOL2_02.0
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Figure 2.5.4-202 Exploration Locations

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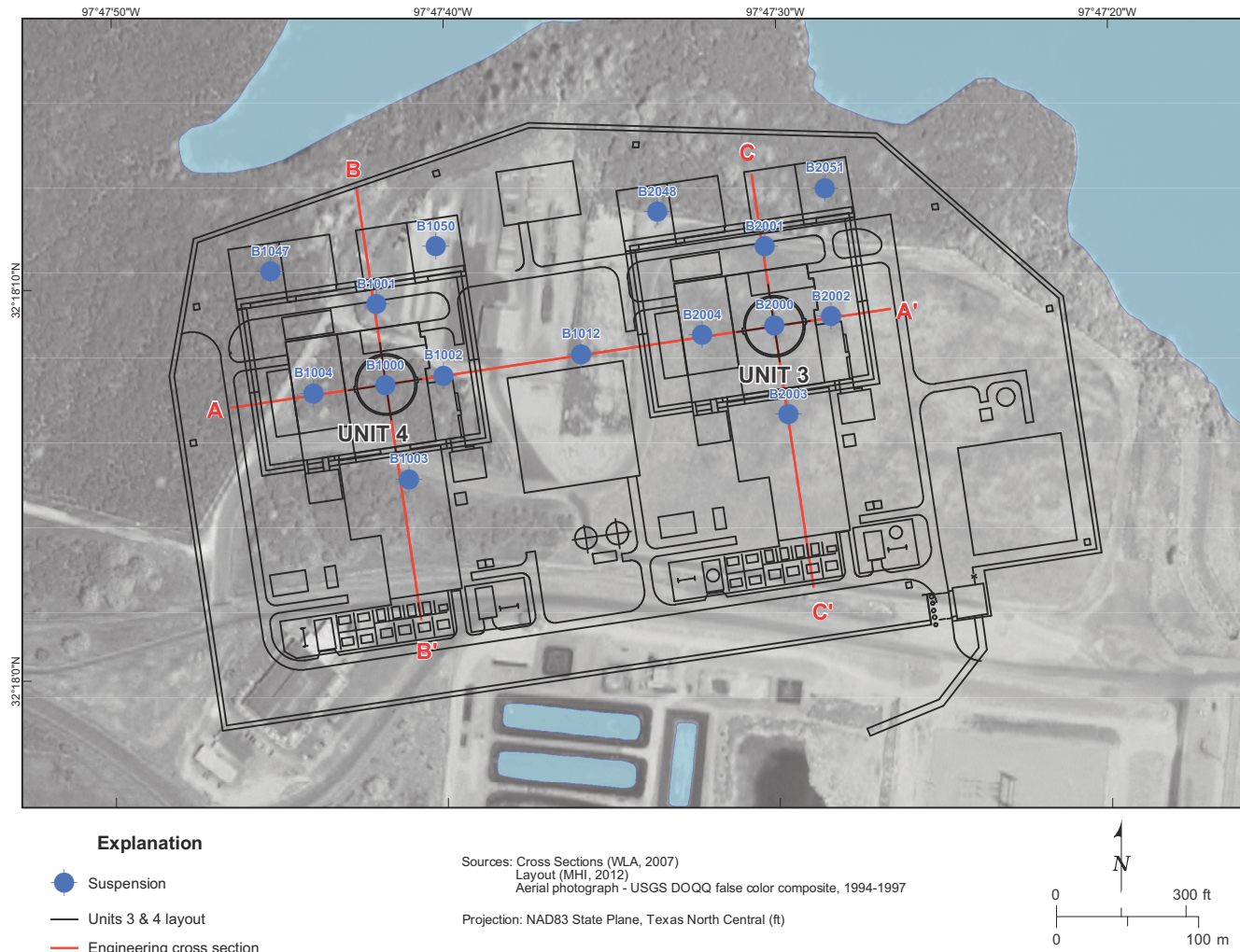


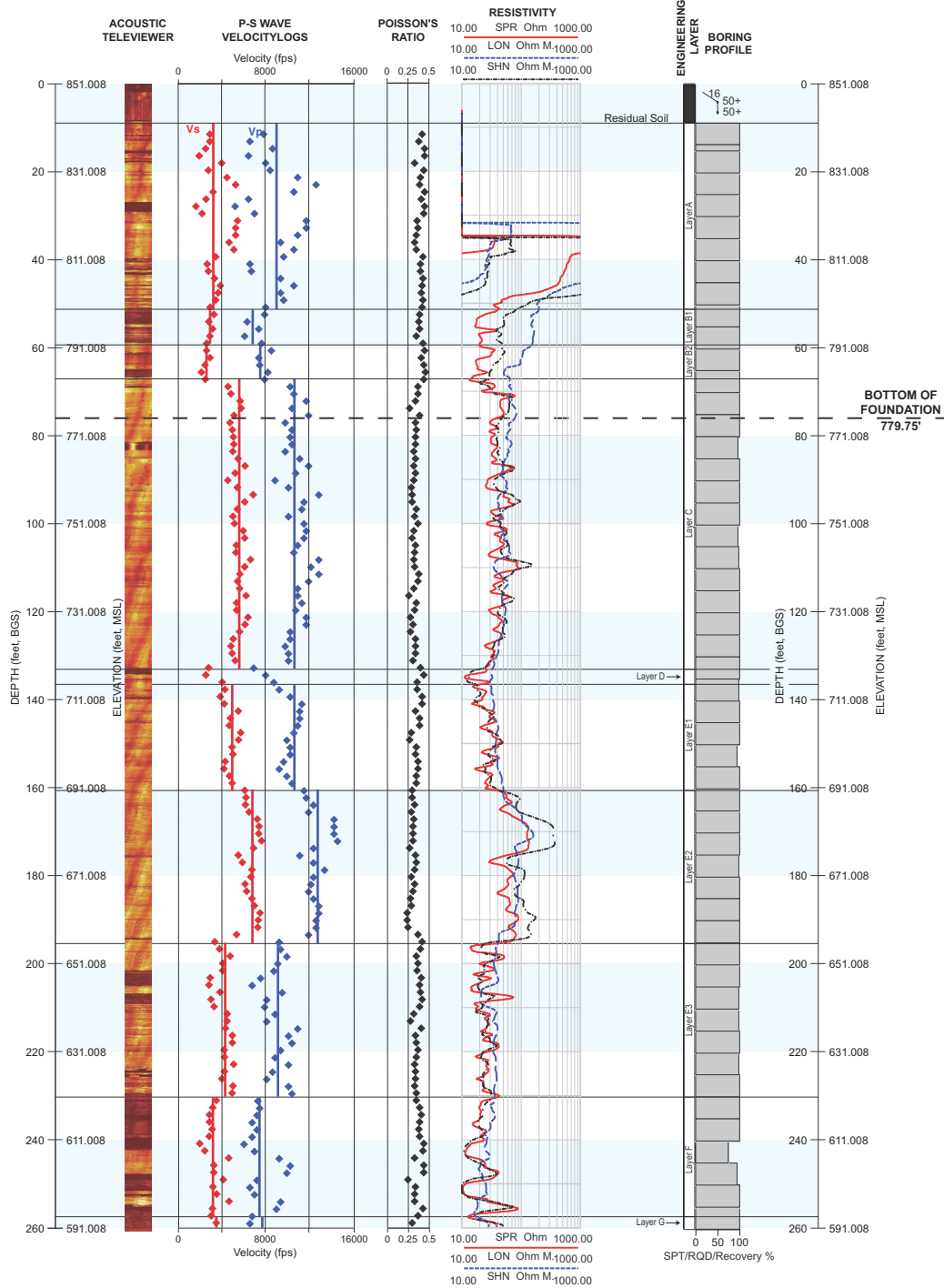
Figure 2.5.4-203 Suspension Log Borings and Engineering Cross Section Locations

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CALC NO. TXUT-001-FSAR 2.5 CALC-003

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- Notes:
1. Vs = shear wave velocity feet per second (fps), Vp = compressional wave velocity feet per second (fps)
 2. SPT field blows determined with a 140 lbs hammer, 30" drop. SPT is uncorrected
 3. RQD (Rock Quality Designation) - a percentage of solid core segments larger than 5 inches relative to core run length, excluding mechanical breaks
 4. Poisson's Ratio calculated.

Figure 2.5.4-206 Boring In Situ Test Summary Log, B-1000 (Sheet 1 of 2)

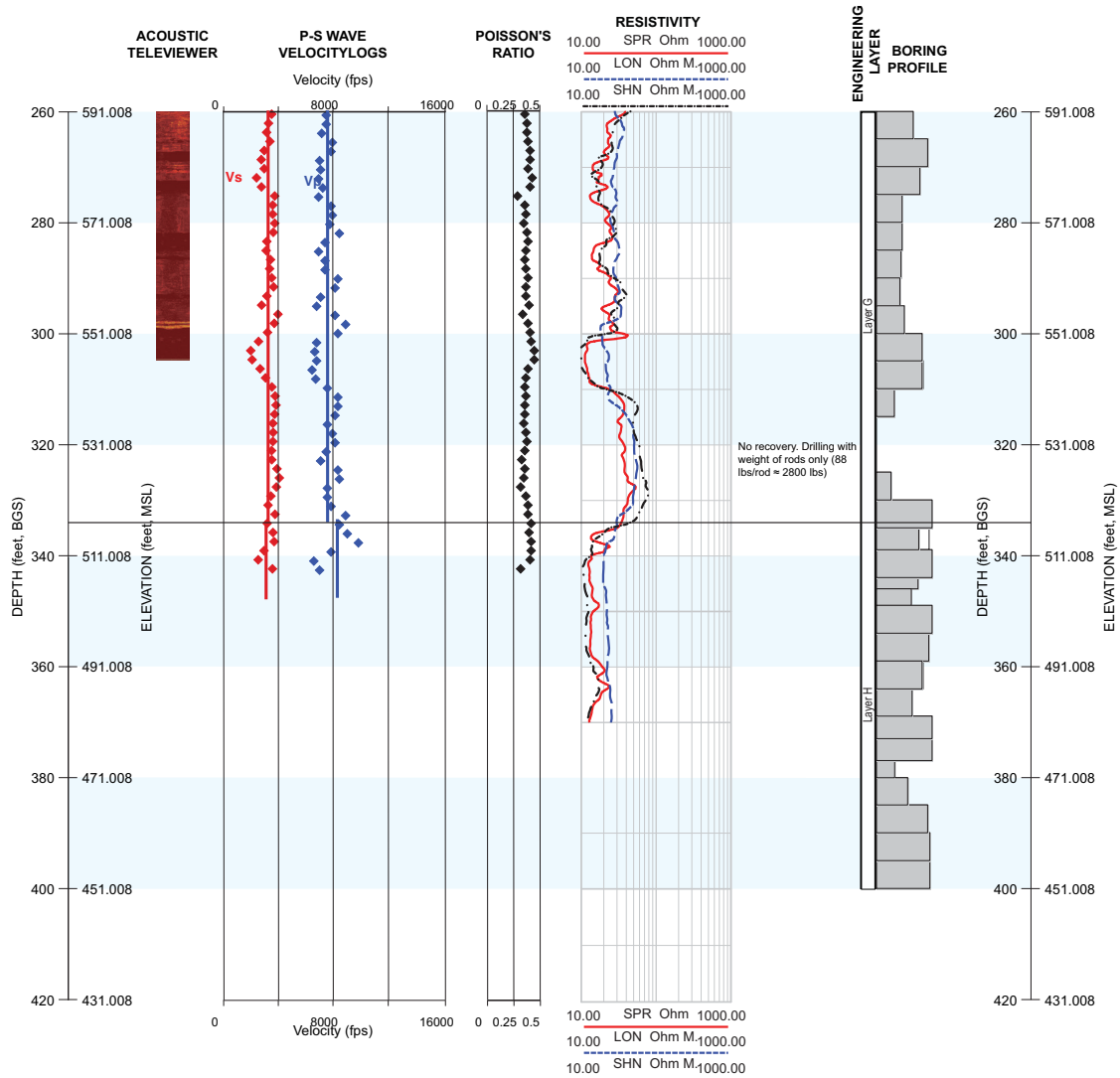
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Notes:

1. V_s = shear wave velocity feet per second (fps), V_p = compressional wave velocity feet per second (fps)
2. SPT field blows determined with a 140 lbs hammer, 30" drop. SPT is uncorrected
3. RQD (Rock Quality Designation) - a percentage of solid core segments larger than 5 inches relative to core run length, excluding mechanical breaks
4. Poisson's Ratio calculated.

Figure 2.5.4-206 Boring In Situ Test Summary Log, B-1000 (Sheet 2 of 2)

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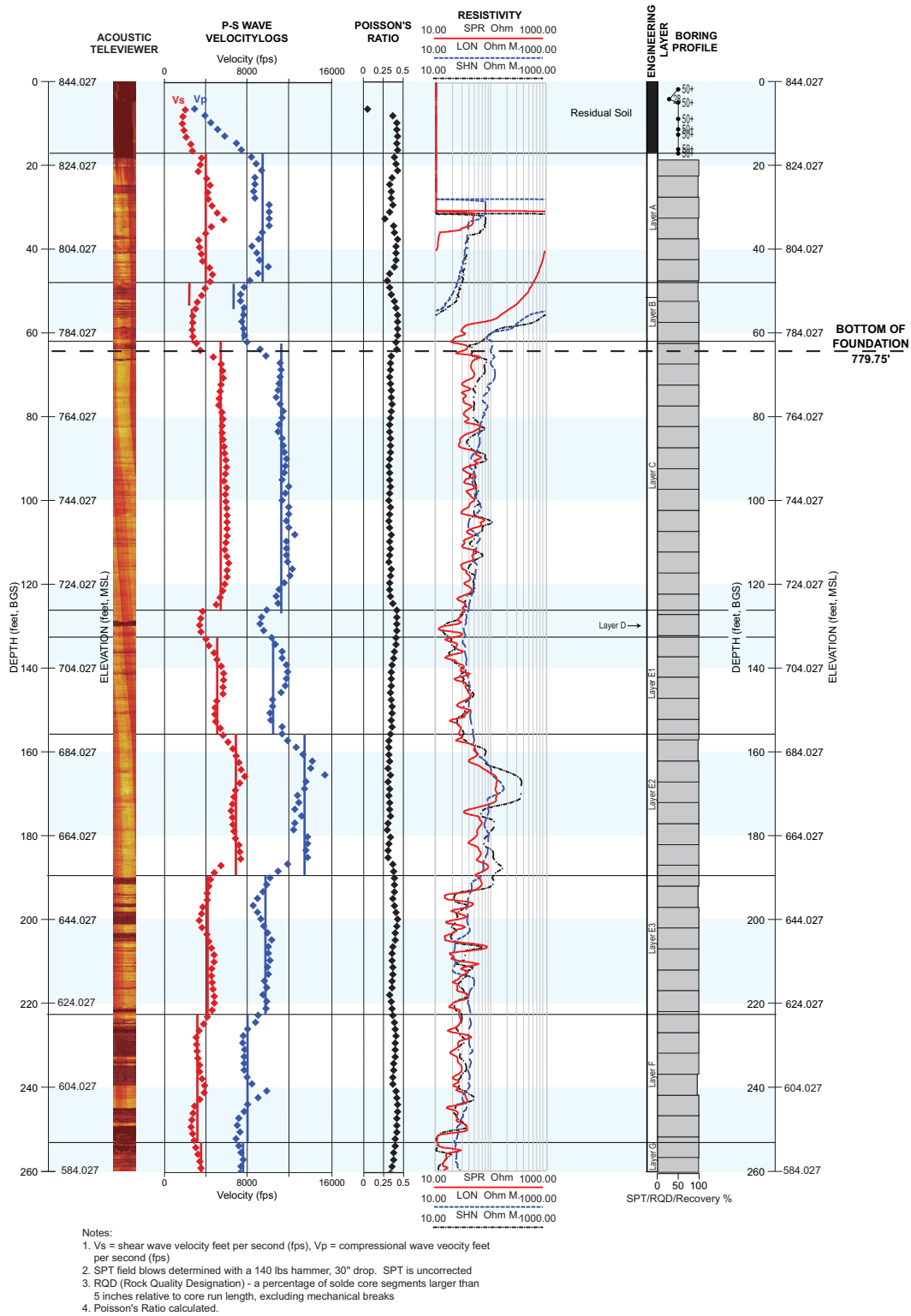


Figure 2.5.4-207 Boring In Situ Test Summary Log, B-2000 (Sheet 1 of 2)

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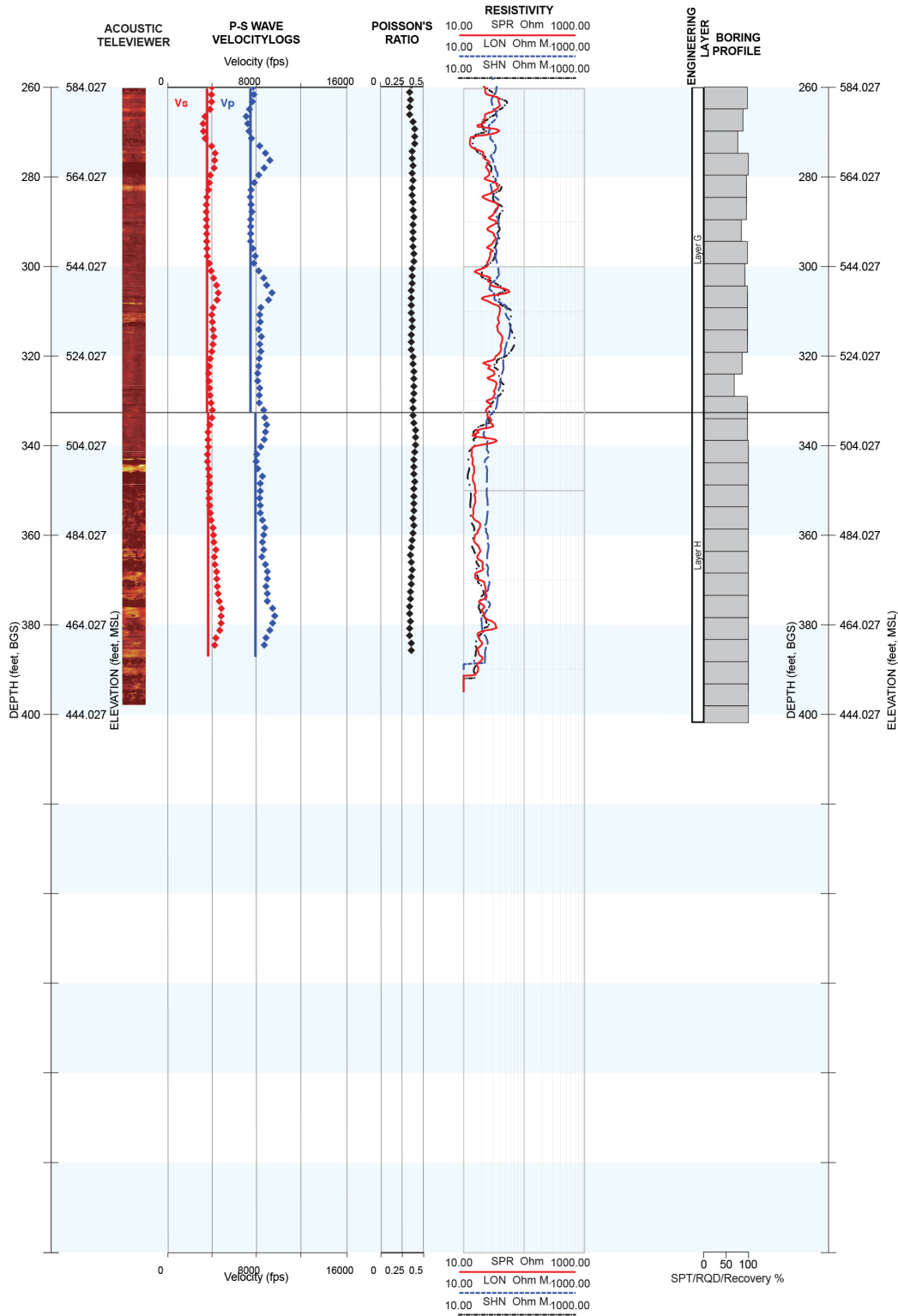


Figure 2.5.4-207 Boring In Situ Test Summary Log, B-2000 (Sheet 2 of 2)

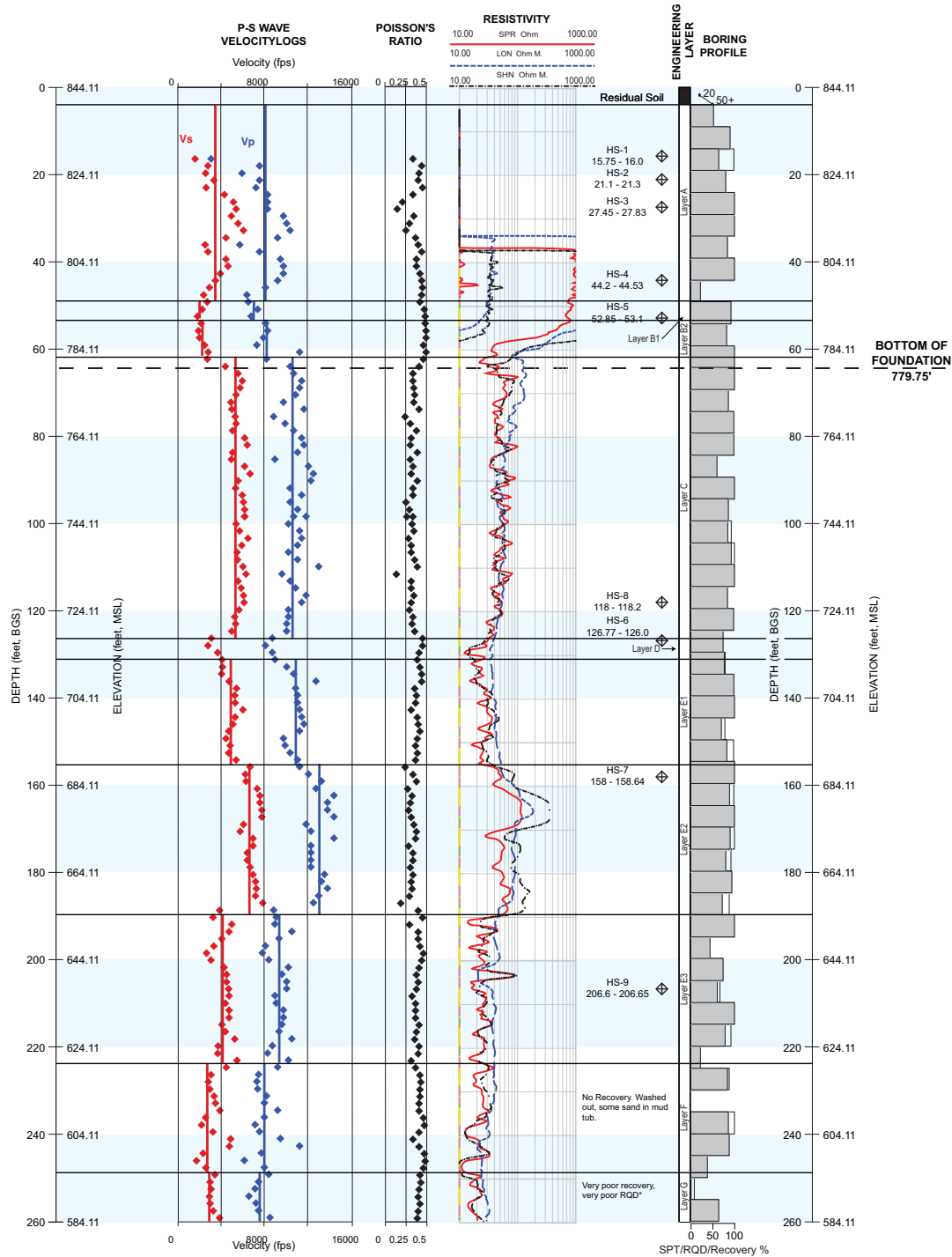
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- Notes:
1. Vs = shear wave velocity feet per second (fps), Vp = compressional wave velocity feet per second (fps)
 2. SPT field blows determined with a 140 lbs hammer, 30" drop. SPT is uncorrected
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 4. Poisson's Ratio calculated.

Figure 2.5.4-208 Boring In Situ Test Summary Log, B-1012 (Sheet 1 of 3)

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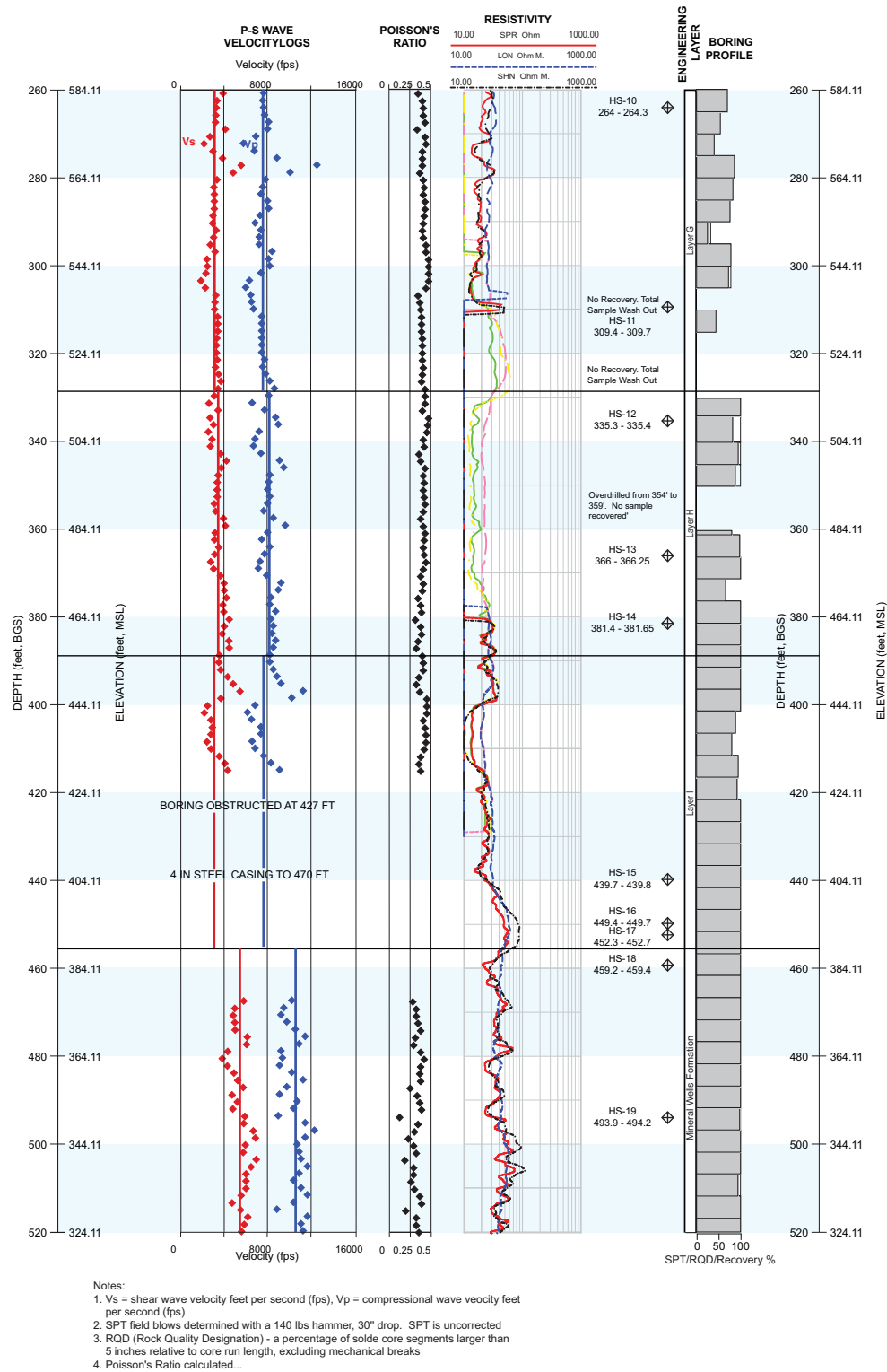
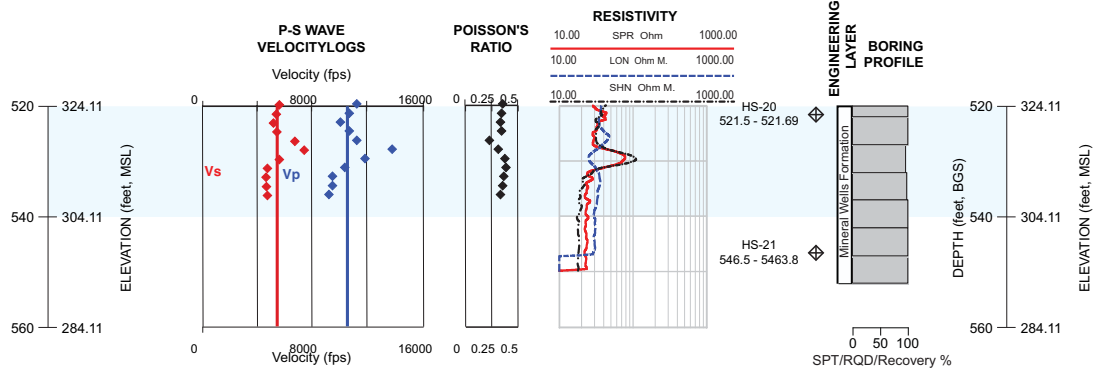


Figure 2.5.4-208 Boring In Situ Test Summary Log, B-1012 (Sheet 2 of 3)

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- Notes:
1. Vs = shear wave velocity feet per second (fps), Vp = compressional wave velocity feet per second (fps)
 2. SPT field blows determined with a 140 lbs hammer, 30" drop. SPT is uncorrected
 3. RQD (Rock Quality Designation) - a percentage of solid core segments larger than 5 inches relative to core run length, excluding mechanical breaks
 4. Poisson's Ratio calculated.

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Figure 2.5.4-208 Boring In Situ Test Summary Log, B-1012 (Sheet 3 of 3)

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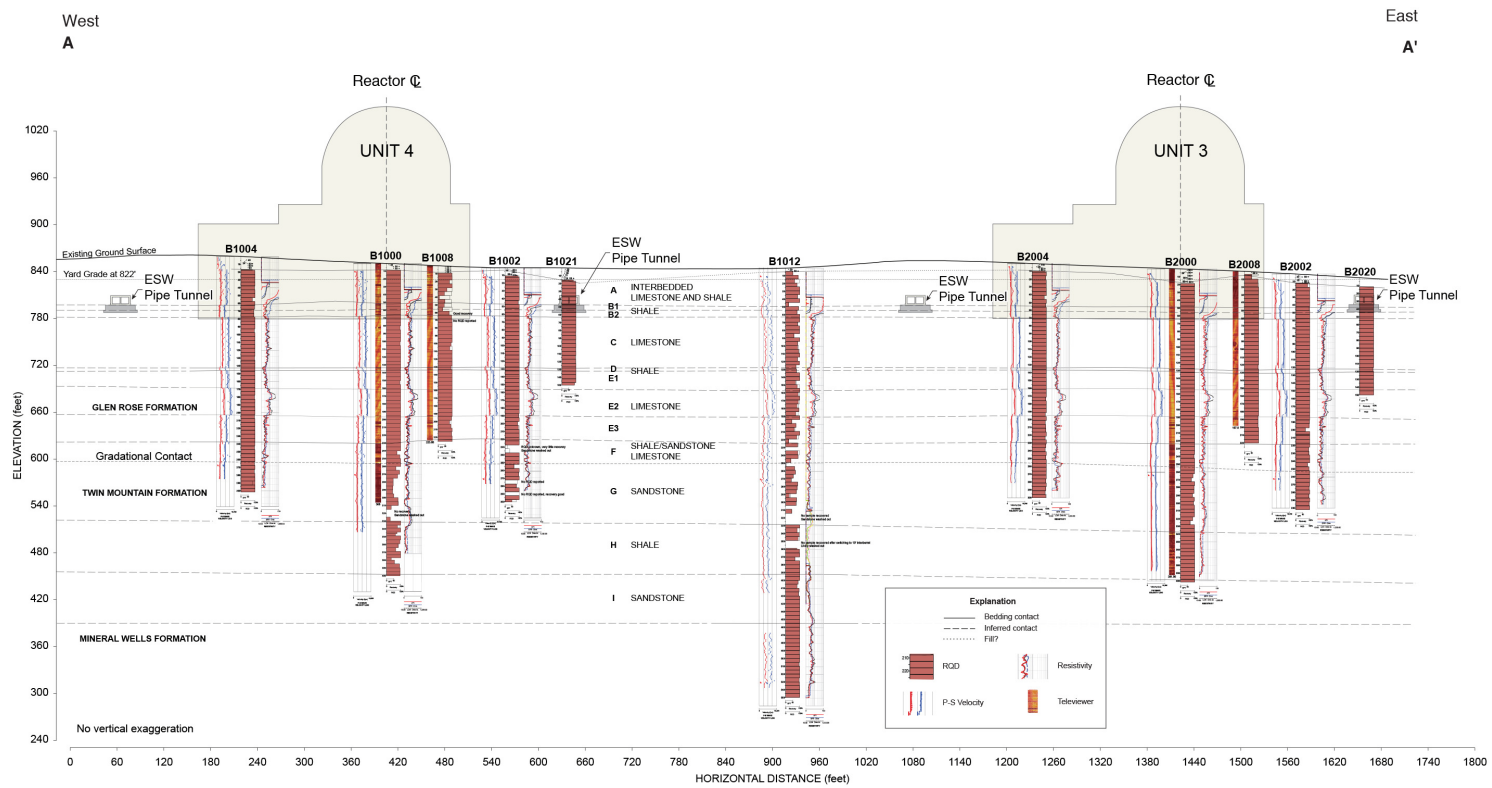


Figure 2.5.4-209 Engineering Cross Section A-A'

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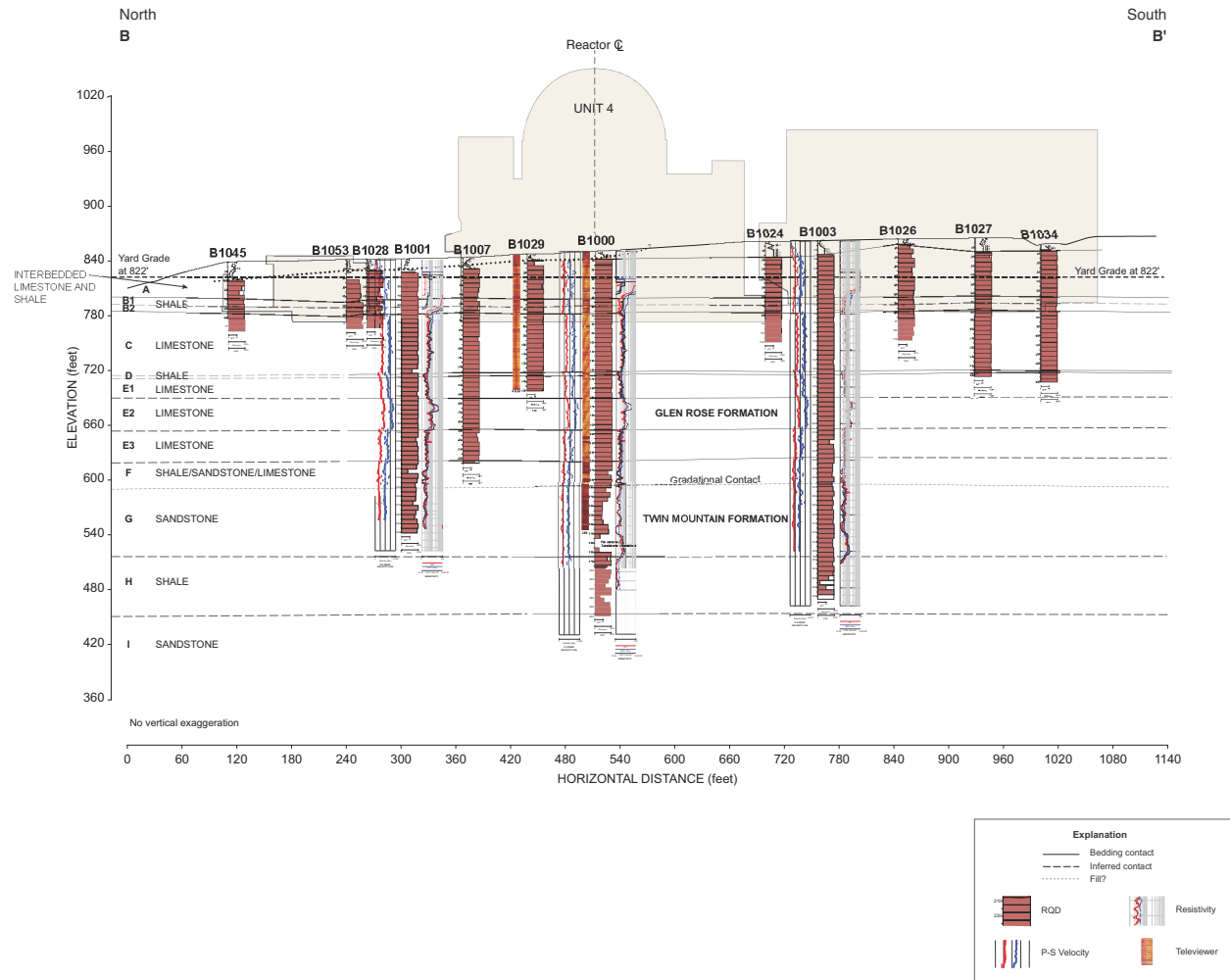


Figure 2.5.4-210 Engineering Cross Section B-B'

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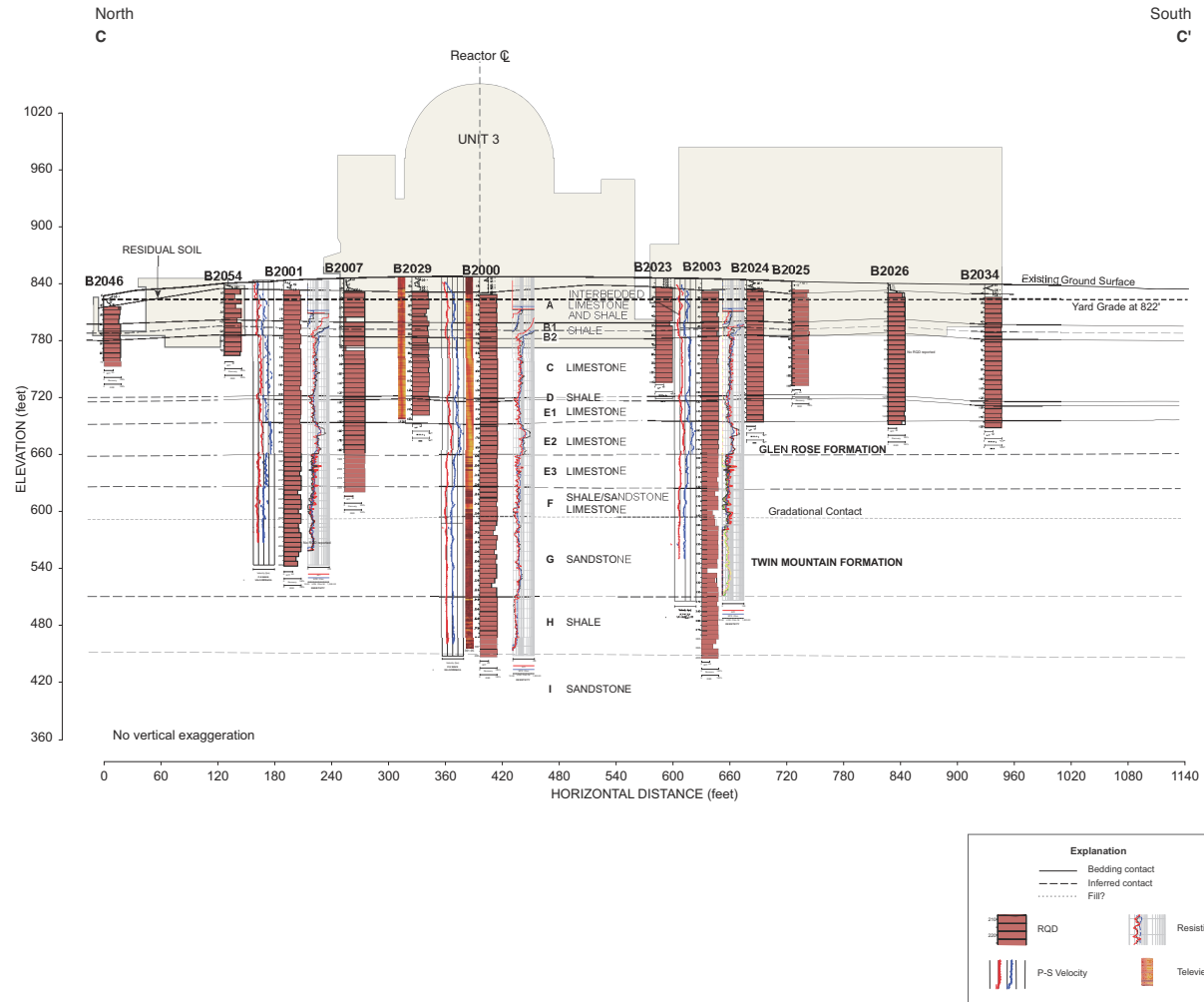


Figure 2.5.4-211 Engineering Cross Section C-C'

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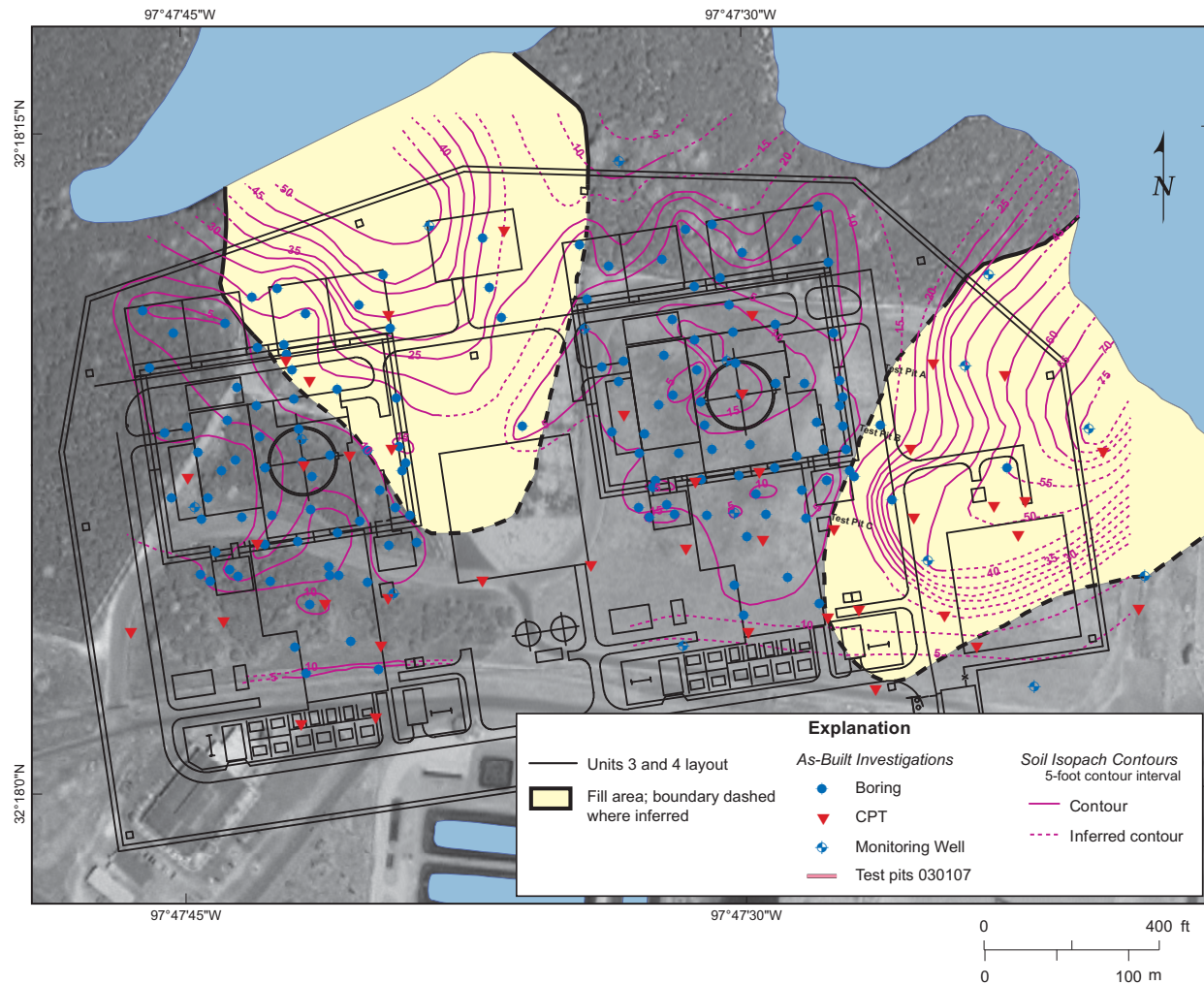


Figure 2.5.4-212 Site Surficial Soil Isopach Map

Comanche Peak Nuclear Power Plant, Units 3 & 4 COL Application Part 2, FSAR

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5.04-26

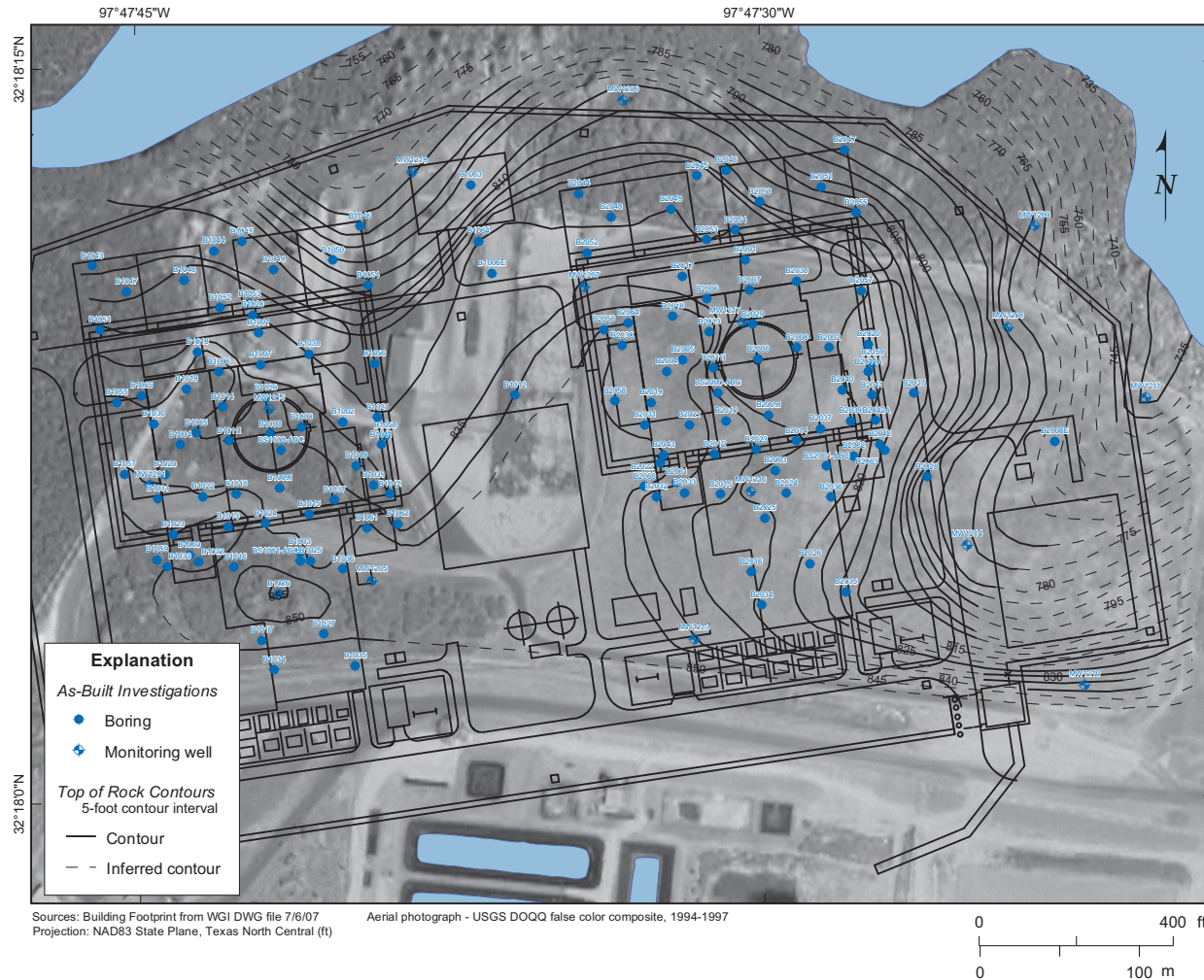


Figure 2.5.4-213 Top of Rock (Engineering Layer A) Elevation Contour Map

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5.04-26

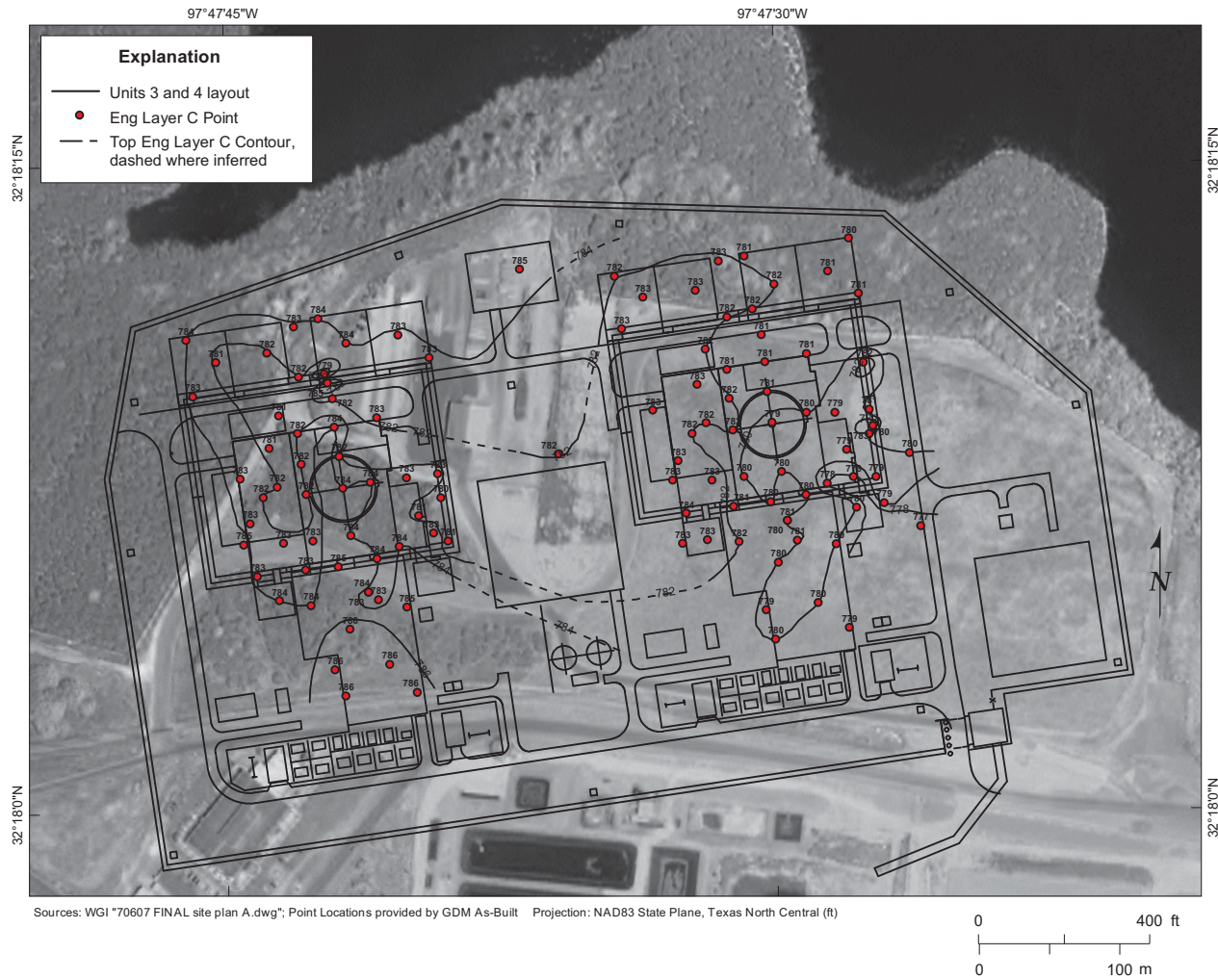


Figure 2.5.4-214 Top of Rock Engineering Layer C Elevation Contour Map

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Figure 2.5.4-215 Plant Grade Outcrop Map at Elevation 822 ft

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Figure 2.5.4-216 Seismic Classification for Units 3 and 4

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(SRI)

Figure 2.5.4-246 Unit 3 Preliminary Excavation Plan

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RCOL2_02.0
5.04-22

(SRI)

Figure 2.5.4-247 Unit 4 Preliminary Excavation Plan

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COL Application
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RCOL2_0
2.05.04-22

Figure 2.5.4-248 Unit 3 Preliminary Excavation Section Profile G–G'

(SRI)

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COL Application
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RCOL2_0
2.05.04-22

Figure 2.5.4-249 Unit 3 Preliminary Excavation Section Profile H-H'

(SRI)

Comanche Peak Nuclear Power Plant, Units 3 & 4
COL Application
Part 2, FSAR

RCOL2_0
2.05.04-22

Figure 2.5.4-250 Unit 3 Preliminary Excavation Section Profile I-I'

(SRI)

Comanche Peak Nuclear Power Plant, Units 3 & 4
COL Application
Part 2, FSAR

RCOL2_0
2.05.04-22

Figure 2.5.4-251 Unit 3 Preliminary Excavation Section Profile J–J'

(SRI)

Comanche Peak Nuclear Power Plant, Units 3 & 4
COL Application
Part 2, FSAR

RCOL2_0
2.05.04-22

Figure 2.5.4-252 Unit 3 Preliminary Excavation Section Profile K–K'

(SRI)

Comanche Peak Nuclear Power Plant, Units 3 & 4
COL Application
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RCOL2_0
2.05.04-22

Figure 2.5.4-253 Unit 3 Preliminary Excavation Section Profile L–L'

(SRI)

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COL Application
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RCOL2_0
2.05.04-22

Figure 2.5.4-254 Unit 3 Preliminary Excavation Section Profile M–M'

(SRI)

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COL Application
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RCOL2_0
2.05.04-22

Figure 2.5.4-255 Unit 4 Preliminary Excavation Section Profile N–N'

(SRI)

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COL Application
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RCOL2_0
2.05.04-22

Figure 2.5.4-256 Unit 4 Preliminary Excavation Section Profile O–O'

(SRI)

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COL Application
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RCOL2_0
2.05.04-22

Figure 2.5.4-257 Unit 4 Preliminary Excavation Section Profile P–P'

(SRI)

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COL Application
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RCOL2_0
2.05.04-22

Figure 2.5.4-258 Unit 4 Preliminary Excavation Section Profile Q–Q'

(SRI)

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COL Application
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RCOL2_0
2.05.04-22

Figure 2.5.4-259 Unit 4 Preliminary Excavation Section Profile R–R'

(SRI)

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RCOL2_0
2.05.04-22

Figure 2.5.4-260 Unit 4 Preliminary Excavation Section Profile S–S'

(SRI)

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RCOL2_0
2.05.04-22

Figure 2.5.4-261 Unit 4 Preliminary Excavation Section Profile T-T'

(SRI)