Project: Beartooth Highway

Detail: STA 102+087 Headwall Conc. Volume

Sheet 1 of 1

9/4/08 ~~Project~~ No. 60101 By T. Erickson

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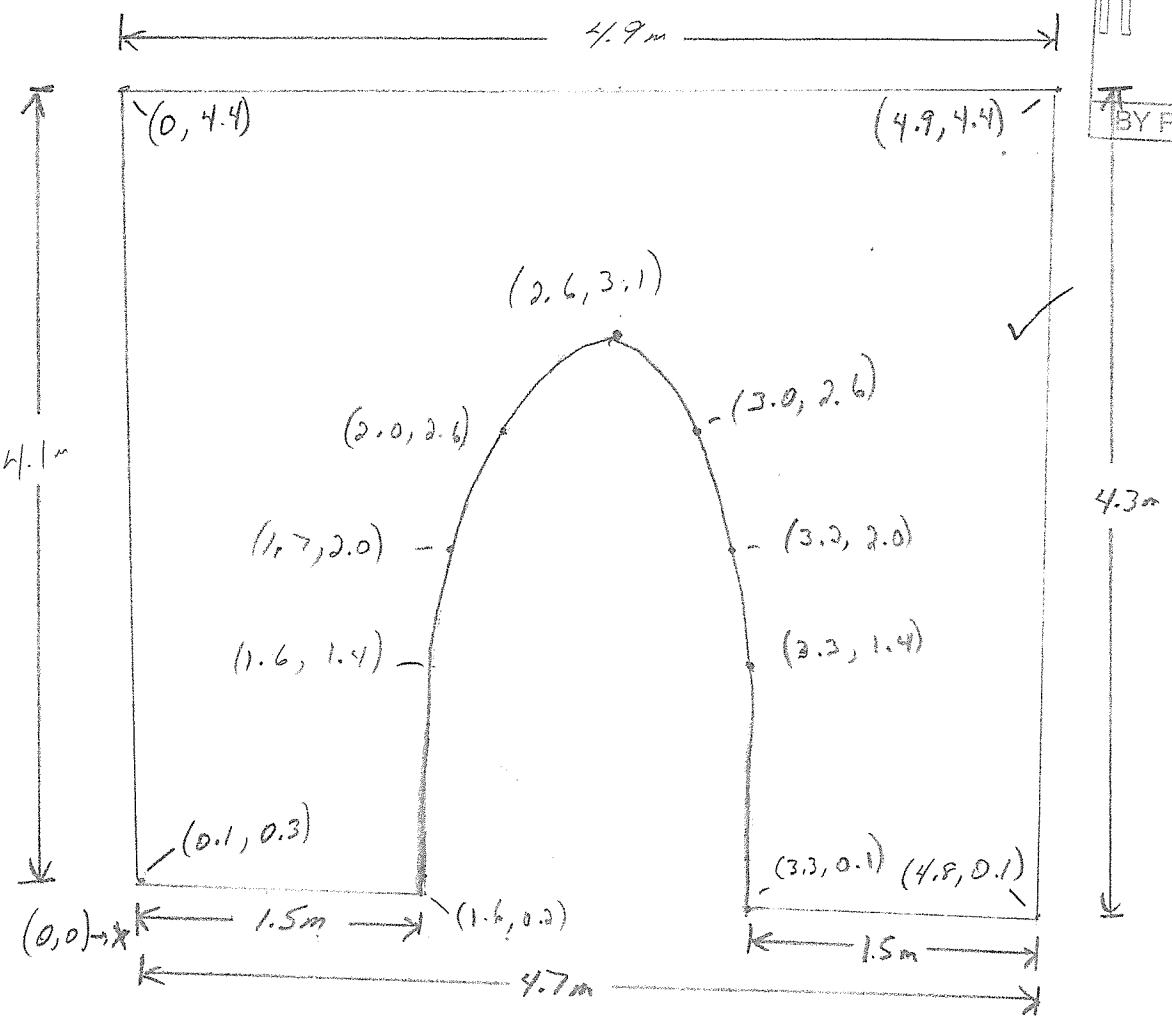
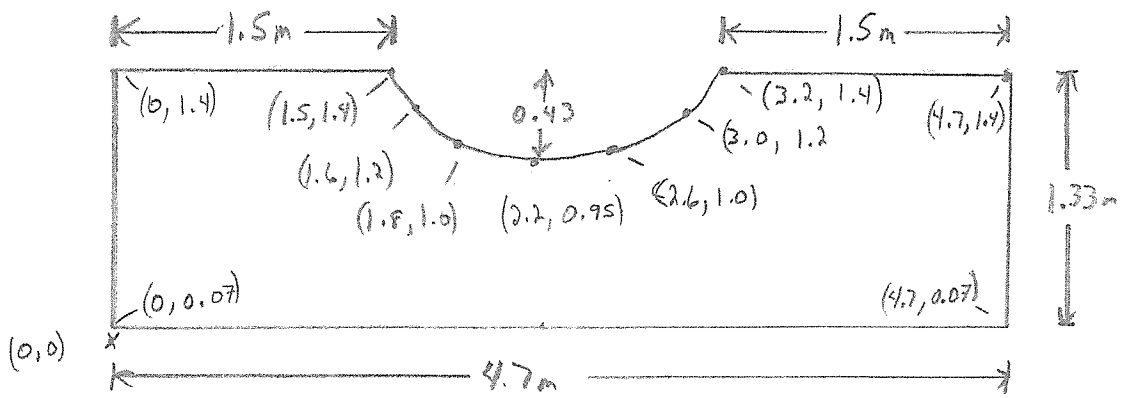
SLOPE SECTION



20.16 m²
− 4.09 m²
16.07 m²

FACE SECTION



6.25 m²
− 0.55 m²
5.7 m²

21.77 * 0.15 = 3.27 m³

(16.07 m² + 5.7 m²) * 0.2 m = 4.35 m³

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Slope Section Area

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n = 4

x	y
0.1	0.3
0	4.4
4.9	4.4
4.8	0.1

Enter

Area = 20.16

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Pipe in Slope Section Area to Subtract

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n = 9

x	y
1.6	0.2
1.6	1.4
1.7	2.0
2.0	2.6
2.6	3.1
3.0	2.6
3.2	2.0
3.3	1.4
3.3	0.1

Enter

Area = 4.085

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n = 4

x	y
0	0.07
0	1.4
4.7	1.4
4.7	0.07

Enter

Area = 6.251

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n = 7

x	y
1.5	1.4
1.6	1.2
1.8	1
2.2	0.95
2.6	1
3.0	1.2
3.2	1.4

Enter

Area = 0.55

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