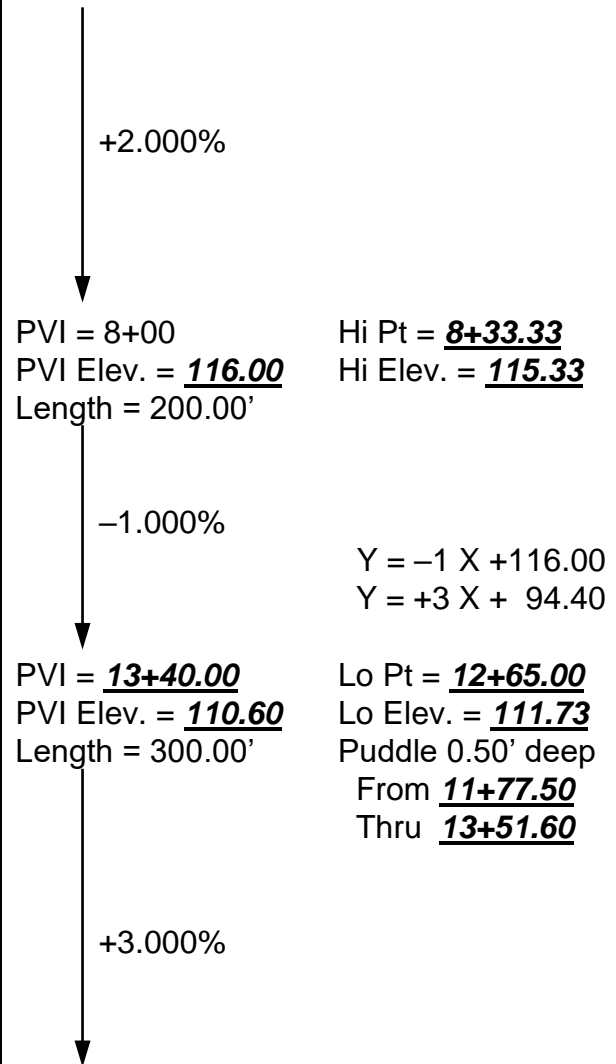


Complete the following table for missing stations and elevations.
Both vertical curves are equal tangent.

STATION	ELEVATION
0+00	100.00
1+00	<u>102.00</u>
2+00	<u>104.00</u>
3+00	<u>106.00</u>
4+00	<u>108.00</u>
5+00	<u>110.00</u>
6+00	<u>112.00</u>
<u>7+00</u>	<u>114.00</u>
7+50	<u>114.81</u>
8+00	<u>115.25</u>
8+50	<u>115.31</u>
<u>9+00</u>	<u>115.00</u>
10+00	<u>114.00</u>
11+00	<u>113.00</u>
<u>11+90</u>	<u>112.10</u>
12+00	<u>112.01</u>
12+50	<u>111.74</u>
13+00	<u>111.81</u>
13+50	<u>112.21</u>
14+00	<u>112.94</u>
14+50	<u>114.01</u>
<u>14+90</u>	<u>115.10</u>
15+00	<u>115.40</u>
16+00	<u>118.40</u>
17+00	<u>121.40</u>
18+00	<u>124.40</u>
19+00	<u>127.40</u>
20+00	130.40



Finally try changing final vertical curve to clear a bridge at 14+50 by 15.00 feet.
(EL = 128.00 at bottom of beams.) Hold G1, G2, PVC and EL1.

G1% = -1 G2% = +3 PVC = 1190 EL1 = 112.10 STA = 1450 EL = 113.00

Solve for **L = 386.29**