PROVINCIA DI IMPERIA

COMUNE DI TAGGIA

IMPIANTO INTEGRATO DI TRATTAMENTO, RECUPERO E VALORIZZAZIONE DEI RIFIUTI SOLIDI URBANI DELLA PROVINCIA DI IMPERIA

IDRO EDIL S.R.L.

WASTE TREATMENT TECHNOLOGIES

PROGETTO DI FATTIBILITÀ TECNICA ED ECONOMICA

SOTTOPROGETTO 1 – IMPIANTO DI TRATTAMENTO RSU

SEZIONI TRASVERSALI

TAV.	SCALA	COM	DOC	FOGLIO	REV.
D4/1	1:1.000	839	PP.A050	01 DI 01	3

ICARIA

ICARIA srl
SOCIETÀ DI INGEGNERIA

Via La Spezia, 6 - 00182 Roma
Corso Cavour, 445 - 05018 Orvieto (Tr)
tel +39 0763 34 08 75 Fax +39 0763 34 12 51
www.icarlasrl.it Info@icarlasrl.it

ORDINE degli INGEGNERI
INGEGNERE
Vladimiro
ROTISCIANI
civile ed ambientale
industriale
dell'informazione
A 376
Provincia di TERNI

REVISIONE	DATA	OGGETTO	REDATTO	VERIFICATO	APPROVATO	AUTORIZZATO
3	APRILE 2017	REVISIONE a seguito Delib. C.P. N.2 del 20.02.2017	C.S.	A.S.	V.R.	V.R.
2	APRILE 2013	REVISIONE	L.P.	V.R.	V.R.	V.R.
0	GENNAIO 2012	EMISSIONE	S.C.	M.S.	V.R.	V.R.

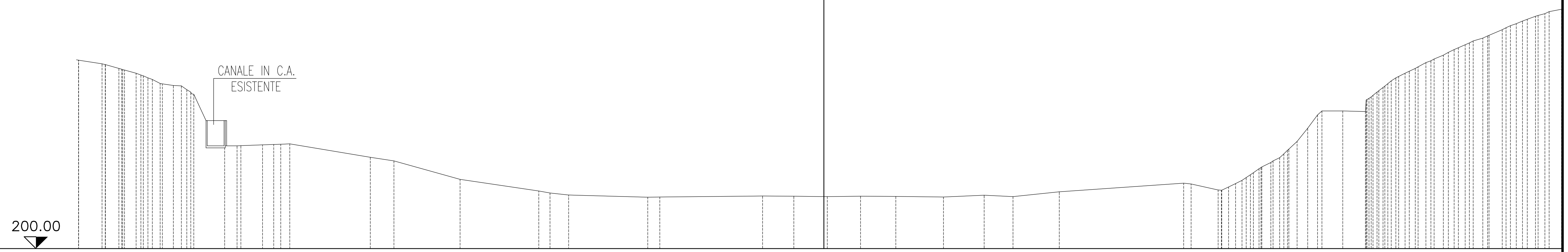
LEGENDA

IMPIANTO DI TRATTAMENTO RSU

Quota progetto

Profilo attuale terreno

SEZIONE 1



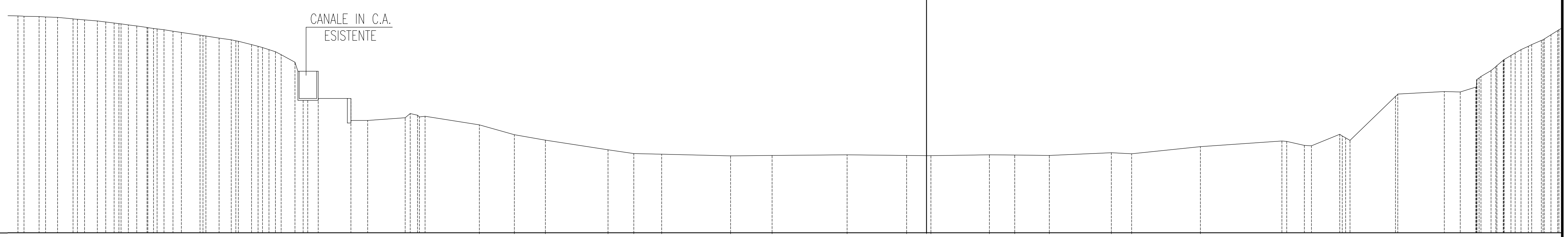
PUNTI BATTUTI	52 55 59 63 66 69 72 73 75 76 78 81 82 83 84 86 87 89 90 91 93 94 95 96 97 98 99 101 107 114 120 123 127 136 142 147 152 157 162
QUOTE TERRENO	239.00 238.00 237.00 236.00 234.85 234.42 233.51 221.75 221.65 221.87 222.01 222.08 219.27 218.48 214.60 212.17 211.74 211.30 210.86 210.88 211.11 211.04 210.97 211.04 211.00 210.87 211.25 210.97 211.98 213.80 212.34 213.00 214.40 216.00 218.17 220.00 222.61 225.41 228.17 229.03 228.90 233.00 234.78 236.31 237.43 239.22 240.81 242.00 243.00 244.41 246.19 247.45 248.37 249.19 250.00
PARZIALI TERRENO	17.02 13.96 16.64 16.72 21.74 7.44 10.09 8.56 9.77 26.30
PROGRESSIVE TERRENO	-152.46 -148.93 -145.26 -142.80 -140.20 -137.40 -134.56 -126.55 -123.94 -118.57 -116.20 -112.83 -95.81 -90.81 -76.85 -60.21 -57.83 -53.91 -37.19 -34.66 -12.92 -6.33 0.00 7.77 15.21 25.30 33.86 39.98 49.75 76.05 83.30 85.50 88.34 90.75 94.45 97.19 99.98 102.24 104.29 109.64 114.42 116.88 119.14 121.46 123.68 127.20 130.89 133.19 135.52 139.23 143.34 146.29 148.64 150.90 153.23

SEZIONE 2

1:1000

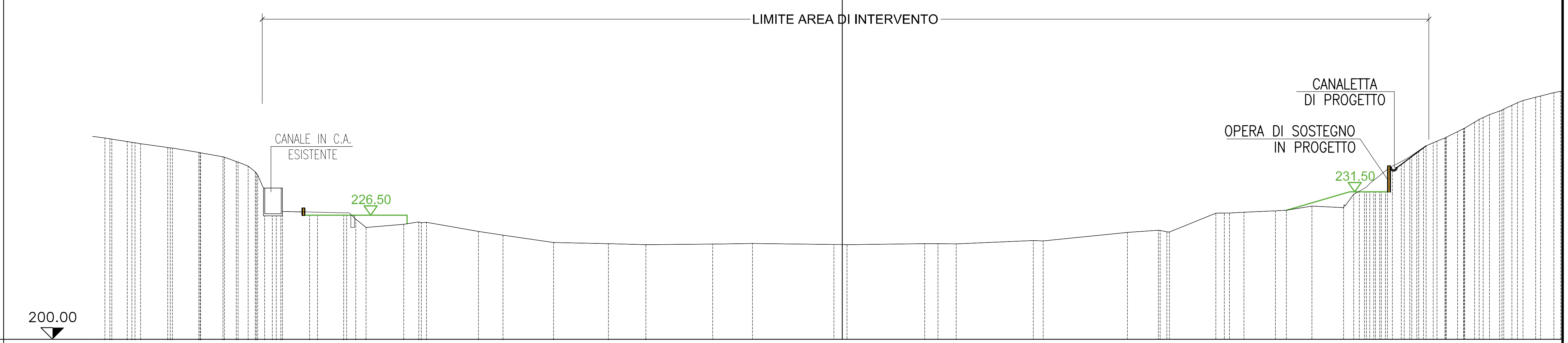
1:1000

200.00



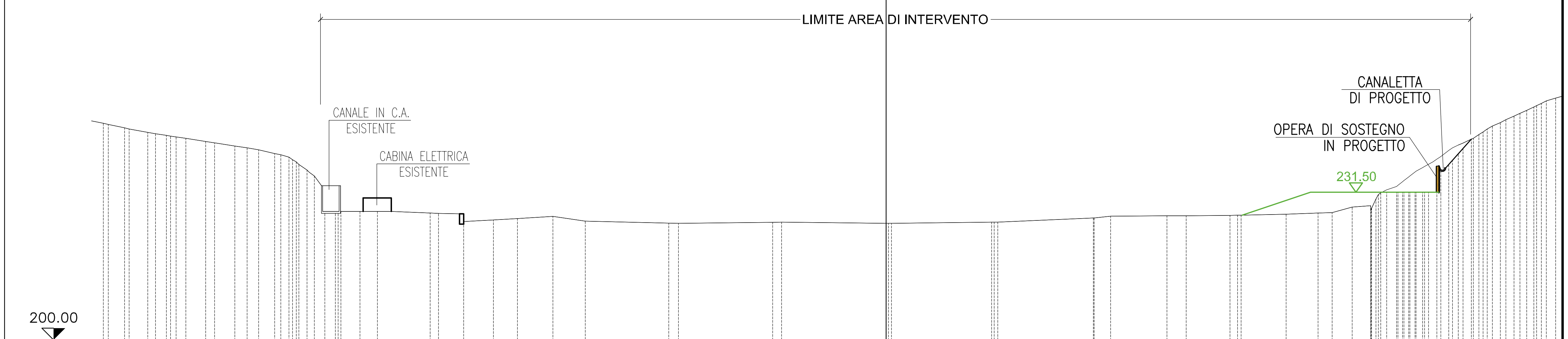
PUNTI BATTUTI	41 44 46 50 52 54 58 61 64 66 70 72 75 78 80 83 87 89 90 94 95 96 97 98 99 100 101 102 103 104 107 109 110 112 113 116 117 121 126 128 137 144 15
QUOTE TERRENO	243.82 243.68 243.53 243.21 243.00 242.79 242.37 242.00 241.48 241.18 240.74 239.93 239.31 239.00 238.00 237.41 236.59 234.46 233.00 227.15 227.13 222.70 223.25 223.75 221.80 219.83 218.74 216.78 216.03 215.90 215.53 215.62 215.78 215.65 215.60 215.74 215.70 215.61 216.17 215.99 217.42 218.55 217.64 219.89 218.67 227.54 228.54 228.47 229.42 232.77 234.83 236.34 237.69 238.86 240.85
PARZIALI TERRENO	7.56 10.96 12.64 13.92 8.39 15.13 12.00 11.81 12.52 13.87 16.45 9.18 9.40
PROGRESSIVE TERRENO	-183.53 -179.25 -175.53 -172.41 -170.06 -167.51 -164.08 -161.24 -157.46 -155.44 -152.23 -146.74 -142.89 -140.44 -136.35 -134.12 -131.51 -127.59 -124.99 -122.89 -116.28 -112.89 -105.33 -102.81 -90.33 -83.25 -76.99 -64.35 -59.14 -53.49 -39.57 -31.18 -16.05 -4.05 0.00 12.69 17.83 24.80 37.32 41.45 55.32 71.77 76.31 83.44 85.53 94.71 104.56 107.78 110.91 114.01 116.46 118.90 121.55 124.18 127.46

SEZIONE 3



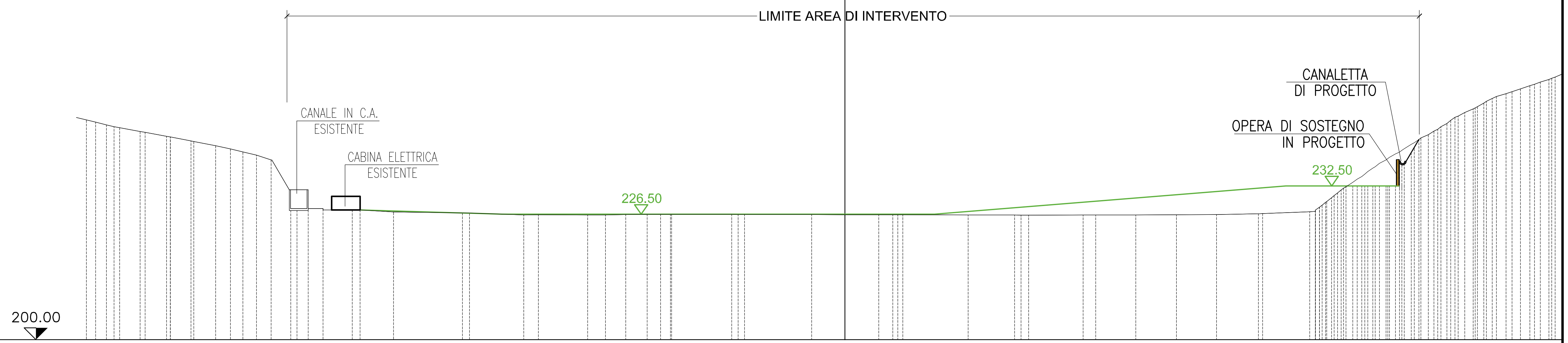
PUNTI BATTUTI	54 57 61 64 67 71 75 78 80 82 85 86 88 90 91 92 93 94 95 96 97 100 102 103 105 106 110 113 114 116 117 126 134 141 148 154 159 163
QUOTE TERRENO	243.00 242.27 241.81 241.00 239.93 239.00 238.00 237.00 235.79 234.00 231.64 227.22 227.41 225.68 223.88 224.58 225.09 223.05 222.24 220.68 220.41 220.20 220.36 220.44 220.26 220.23 220.43 220.41 220.36 221.10 221.00 222.85 223.31 222.92 226.94 227.00 227.13 227.46 227.57 228.46 228.10 231.00 232.26 234.00 236.00 237.29 239.00 241.00 242.00 243.00 244.37 246.39 248.00 248.79 250.00 251.00 251.73 252.70
PARZIALI TERRENO	8.04 11.08 10.81 11.73 7.99 14.24 8.52 17.41 16.58 16.47 17.97 9.90
PROGRESSIVE TERRENO	-157.51 -152.72 -149.87 -144.07 -137.45 -132.28 -129.42 -126.90 -124.88 -121.72 -119.59 -113.76 -106.50 -103.93 -101.72 -93.68 -90.45 -77.71 -72.48 -61.67 -49.94 -41.95 -27.71 -19.19 -1.78 1.02 17.60 20.45 24.31 40.78 42.91 60.88 67.49 69.89 79.79 82.68 85.79 92.51 94.85 100.30 107.07 109.24 111.50 113.51 116.02 118.16 121.21 124.15 126.20 128.68 131.41 135.05 138.23 140.40 143.00 145.38 148.08 151.99

SEZIONE 4



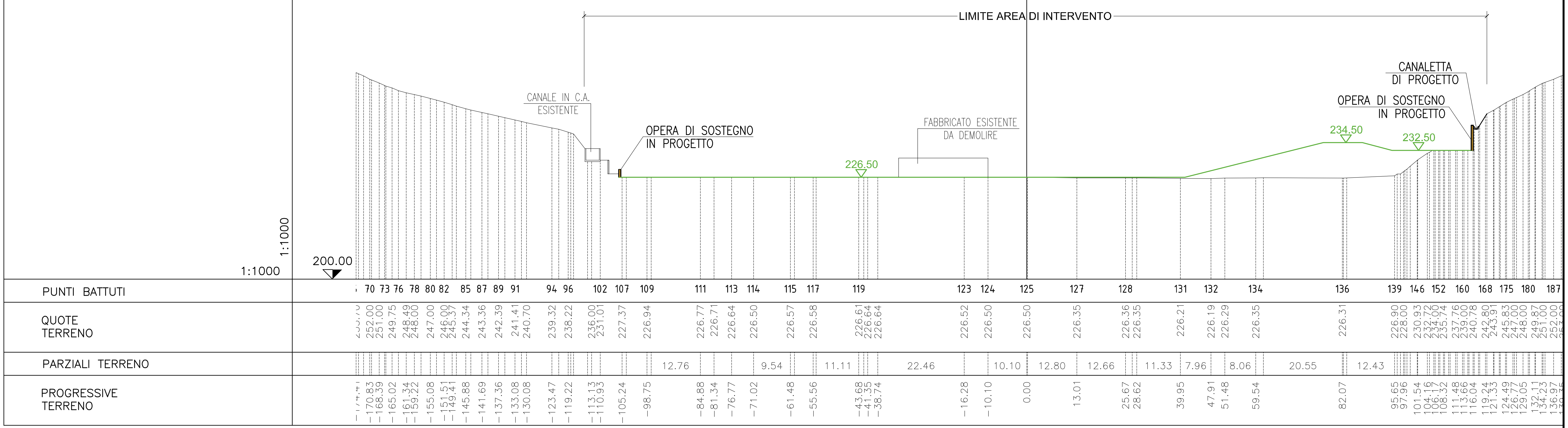
PUNTI BATTUTI	66 68 70 72 75 76 80 82 83 86 90 93 99 101 103 105 107 110 111 112 114 116 119 122 125 127 130 131 133 138 144 152 157 163 167 172
QUOTE TERRENO	246.23 245.25 244.28 243.63 243.31 243.00 242.35 242.00 241.38 241.00 240.57 239.76 239.00 237.45 235.74 234.56 229.07 227.40 227.40 227.05 225.24 225.58 225.90 226.33 225.34 224.93 224.87 225.09 224.88 225.12 226.02 226.38 226.47 226.48 226.57 226.62 226.83 227.06 227.17 228.35 228.64 231.40 232.74 234.76 236.77 238.00 240.43 241.59 242.83 244.36 246.37 247.75 249.00 250.00 251.00 252.0
PARZIALI TERRENO	11.28 7.54 17.80 20.11 22.33 21.37 20.42 12.04 9.34 9.59
PROGRESSIVE TERRENO	-167.05 -162.53 -157.56 -153.62 -151.51 -149.46 -145.23 -142.97 -139.01 -136.39 -133.91 -130.49 -127.46 -125.32 -123.07 -119.76 -117.54 -112.28 -108.58 -97.29 -90.20 -83.81 -78.67 -71.10 -64.19 -46.39 -44.34 -24.23 0.00 22.52 44.24 47.89 59.93 64.05 73.39 75.77 85.36 92.17 95.20 99.45 103.40 105.55 108.95 111.50 114.48 116.70 120.08 122.12 124.91 127.39 131.06 134.00 136.72 138.81 140.90 144.2

SEZIONE 5



PUNTI BATTUTI	71 73 76 78 81 83 85 88 92 98 101 104 108 111 113 115 117 120 123 124 125 129 130 133 135 136 137 138 142 152 159 167 174 179 184 191 195 20…
QUOTE TERRENO	246.46 245.41 244.80 244.00 243.00 242.00 241.00 240.32 239.69 239.00 238.00 235.00 233.34 227.70 227.40 227.40 226.98 226.78 226.33 226.40 226.35 226.35 226.44 226.46 226.47 226.50 226.46 226.45 226.42 226.41 226.41 226.41 226.40 226.36 226.33 226.31 226.34 226.35 226.37 226.40 226.43 226.61 227.02 228.00 230.00 231.62 233.23 235.00 236.54 238.00 239.63 241.30 242.63 244.08 245.69 247.26 248.76 250.00 251.40 252.42 253.71 254.45 255.24
PARZIALI TERRENO	14.45 11.39 10.40 12.70 14.18 13.82 9.78 11.55 8.48 8.57 8.48 8.82 9.92
PROGRESSIVE TERRENO	-160.26 -156.03 -153.22 -148.91 -143.32 -138.18 -132.97 -129.82 -127.20 -124.31 -121.24 -118.41 -115.77 -113.39 -110.26 -104.10 -102.06 -95.40 -80.81 -67.88 -64.77 -54.37 -50.59 -46.30 -41.81 -38.95 -36.90 -23.94 -21.22 -7.04 0.00 7.12 10.09 12.21 26.03 35.81 38.77 50.32 52.97 61.45 70.02 78.50 87.32 98.16 100.23 102.78 104.83 107.29 109.83 112.03 114.30 117.13 119.63 121.67 124.40 127.15 129.54 132.72 134.94 137.63 140.94 144.70 146.90 149.29

SEZIONE 6

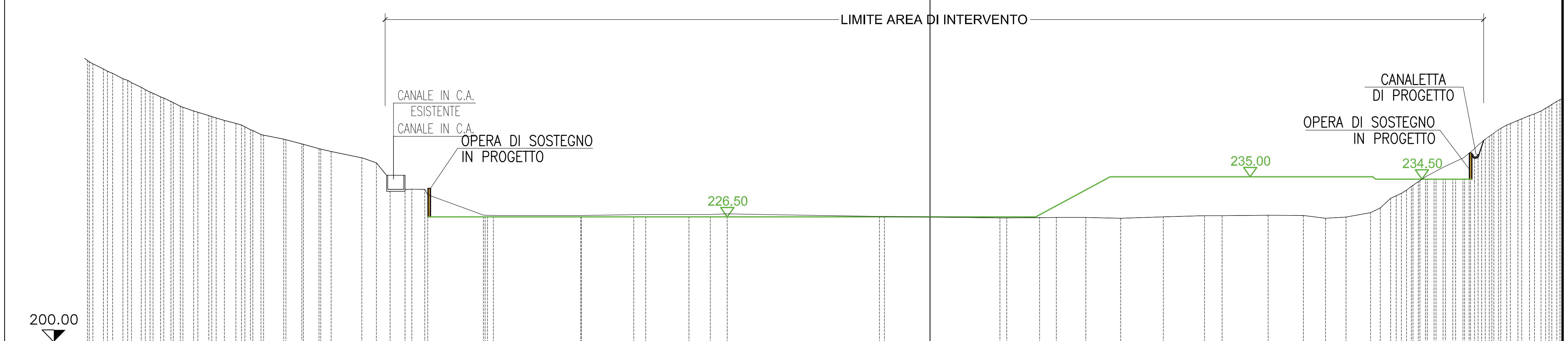


LIMITE AREA DI INTERVENTO
CANALE IN C.A. ESISTENTE
OPERA DI SOSTEGNO IN PROGETTO
226.50
FABBRICATO ESISTENTE DA DEMOLIRE
234.50
232.50
OPERA DI SOSTEGNO IN PROGETTO
CANALETTA DI PROGETTO
1:1000
1:1000
200.00
PUNTI BATTUTI
70 73 76 78 80 82 85 87 89 91 94 96 102 107 109 111 113 114 115 117 119 123 124 125 127 128 131 132 134 136 139 146 152 160 168 175 180 187
QUOTE TERRENO
252.00 251.00 249.75 248.49 248.00 247.00 246.00 245.37 244.34 243.36 242.39 241.41 240.70 239.32 238.22 236.00 231.01 227.37 226.94 226.77 226.71 226.64 226.50 226.57 226.58 226.61 226.64 226.64 226.52 226.50 226.50 226.35 226.36 226.35 226.21 226.19 226.29 226.35 226.31 226.90 228.00 230.93 232.72 234.00 235.74 237.76 239.00 240.78 242.80 243.91 245.83 247.00 248.00 249.87 251.00 252.00
PARZIALI TERRENO
12.76 9.54 11.11 22.46 10.10 12.80 12.66 11.33 7.96 8.06 20.55 12.43
PROGRESSIVE TERRENO
-170.83 -168.39 -165.02 -161.34 -159.22 -155.08 -151.51 -149.41 -145.88 -141.69 -137.36 -133.08 -130.08 -123.47 -119.22 -113.13 -110.93 -105.24 -98.75 -84.88 -81.34 -76.77 -71.02 -61.48 -55.56 -43.68 -41.35 -38.74 -16.28 -10.10 0.00 13.01 25.67 28.62 39.95 47.91 51.48 59.54 82.07 95.65 97.96 101.54 104.16 106.17 108.32 111.48 113.66 116.04 119.24 121.33 124.49 126.77 129.05 132.11 134.23 136.97

SEZIONE 7

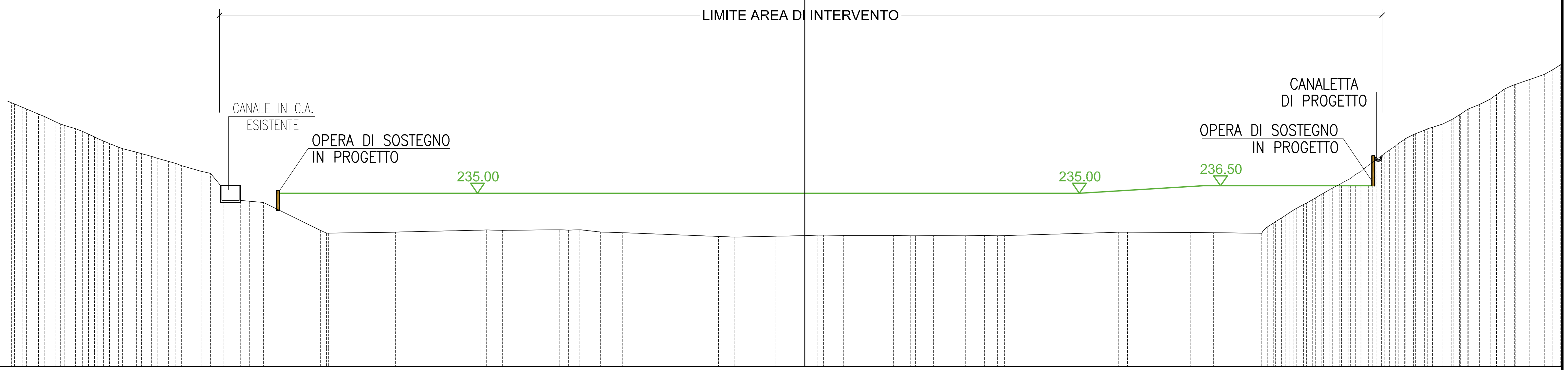
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1:1000



PUNTI BATTUTI	72 75 78 81 85 88 91 94 96 101 105 109 110 116 123 125 129 131 133 135 136 140 141 143 145 146 147 148 150 151 153 155 159 166 172 180 187 192
QUOTE TERRENO	259.72 257.91 255.85 254.01 252.73 251.75 250.76 249.77 249.00 248.00 247.00 246.34 245.00 244.00 243.00 242.00 241.00 240.39 239.03 238.00 237.00 232.39 232.34 226.87 226.82 226.82 226.99 227.02 227.02 227.13 226.59 226.47 226.29 226.36 226.38 226.37 226.23 226.50 226.75 226.78 226.84 226.82 226.22 226.48 227.38 228.40 230.47 231.51 233.00 235.00 236.23 237.24 238.26 240.00 242.38 244.00 246.00 247.00 248.00 249.00 250.37
PARZIALI TERRENO	11.76 18.56 11.13 9.18 32.33 9.66 14.86 7.41 9.03 8.80 9.80 7.47
PROGRESSIVE TERRENO	-178.97 -175.60 -171.43 -167.54 -165.05 -162.76 -160.73 -158.71 -156.40 -153.20 -149.88 -147.43 -144.35 -142.10 -137.27 -133.44 -129.79 -127.22 -120.68 -117.62 -114.66 -112.43 -110.05 -107.33 -94.90 -92.74 -74.18 -62.92 -60.39 -51.21 -46.65 -43.05 -10.72 0.00 14.86 23.28 26.84 33.12 40.53 49.56 58.36 62.05 71.85 79.32 84.03 88.37 93.58 95.66 97.89 100.18 102.28 105.26 107.52 109.52 111.65 114.55 117.20 119.37 122.56 124.90 127.38 129.85 132.11

SEZIONE 8



1:1000

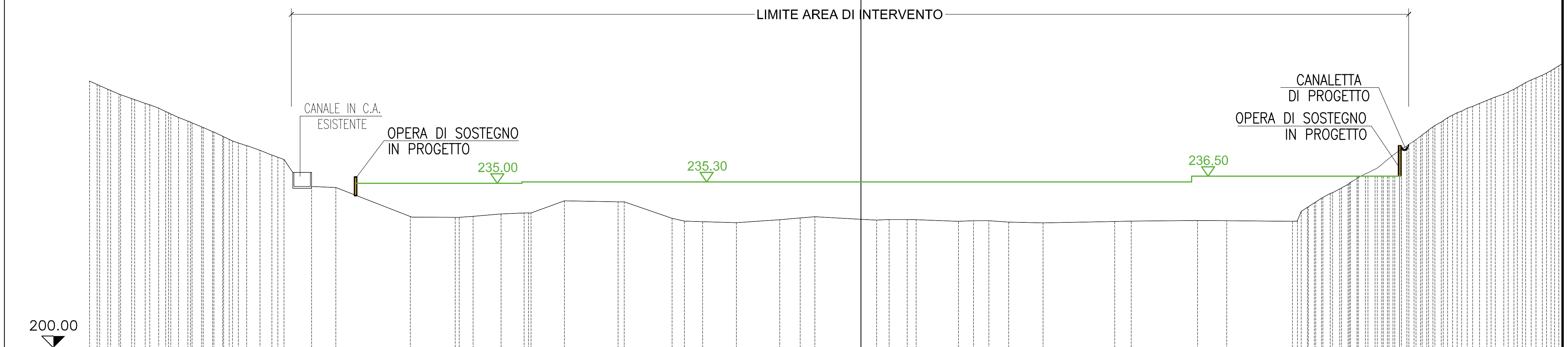
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200.00

PUNTI BATTUTI	90 94 97 101 106 109 113 116 120 125 126 129 132 135 138 140 142 143 146 147 150 151 153 155 157 159 168 175 181 188 195 201 205 212 219 22
PARZIALI TERRENO	11.49 13.53 17.02 11.54 19.42 8.39 10.06 22.99 12.63 9.77

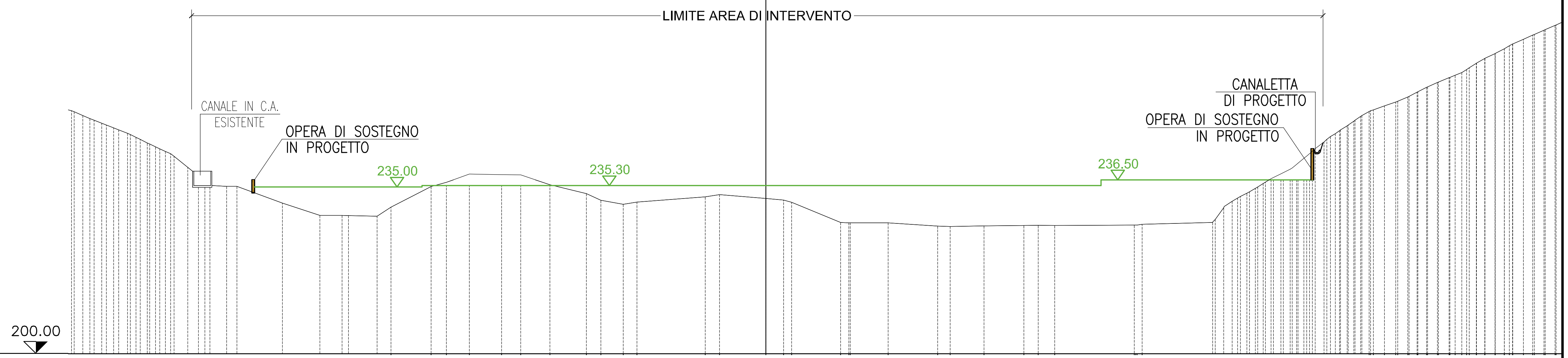
QUOTE TERRENO	PROGRESSIVE TERRENO
253.00	-159.64
252.00	-157.21
251.00	-154.80
249.38	-151.28
248.00	-147.31
246.92	-144.68
245.53	-141.62
244.31	-138.63
243.29	-135.00
242.42	-131.95
241.43	-128.51
240.56	-125.93
239.42	-121.93
238.49	-118.63
233.54	-113.98
233.12	-109.35
227.50	-97.86
227.13	-82.66
227.55	-65.39
227.51	-61.03
227.62	-49.49
227.63	-45.43
227.13	-41.24
227.04	-36.89
226.28	-17.47
226.13	-14.26
226.30	-5.87
226.45	0.00
226.52	2.64
226.48	7.86
226.46	17.92
226.38	21.27
226.42	25.97
226.40	32.49
226.47	36.25
226.41	38.89
227.12	63.32
227.09	77.81
227.05	82.54
226.92	92.31
229.00	94.70
230.46	96.97
232.00	99.36
233.71	102.59
235.00	104.76
236.74	107.92
238.00	110.26
239.40	112.33
241.25	114.72
243.00	117.03
244.49	119.25
246.00	121.26
247.00	123.32
248.00	125.83
249.00	128.92
250.00	130.92
251.88	133.80
252.89	136.21
254.00	138.44
256.00	141.29
256.90	143.31
257.95	146.43
259.00	149.36
260.9[illegible]	152.7[illegible]

SEZIONE 9



PUNTI BATTUTI	78 82 86 89 93 98 104 109 115 120 121 125 128 130 132 133 135 137 138 139 141 142 144 146 147 149 151 152 154 155 156 166 172 179 188 195 202 207 212 218 22
QUOTE TERRENO	256.00 255.00 254.00 253.00 252.00 251.00 250.00 249.00 248.23 247.00 246.00 245.00 244.00 243.00 242.00 241.00 240.05 239.23 234.09 227.91 227.73 227.97 228.46 228.66 231.26 231.04 227.55 226.92 226.83 226.60 227.23 227.61 227.89 227.34 227.16 227.28 227.27 226.90 227.02 227.01 226.73 226.56 226.85 226.96 227.06 227.04 226.92 229.84 231.80 233.00 234.79 236.22 237.24 239.00 241.00 243.00 245.00 247.00 248.32 250.00 251.00 252.00 253.00 254.00 255.00 256.42 257.43 258.44 260.00
PARZIALI TERRENO	15.88 9.18 11.45 10.23 9.25 9.85 9.02 15.27 14.15 14.00
PROGRESSIVE TERRENO	-162.80 -160.50 -158.13 -155.42 -152.55 -149.67 -147.61 -145.45 -143.43 -140.54 -138.20 -136.04 -133.91 -130.90 -128.07 -125.55 -122.95 -120.38 -117.25 -111.94 -96.06 -86.49 -82.69 -76.69 -71.80 -63.20 -51.75 -40.24 -37.63 -33.75 -26.55 -17.30 -12.96 -9.85 0.00 3.33 6.01 9.87 20.78 24.00 27.24 31.50 38.81 54.08 57.59 71.74 77.95 91.95 95.12 98.15 100.51 103.81 105.98 108.07 111.00 113.40 116.32 119.24 121.88 124.09 127.05 129.23 131.81 134.27 137.00 139.16 141.67 143.86 146.09 148.72

SEZIONE 10

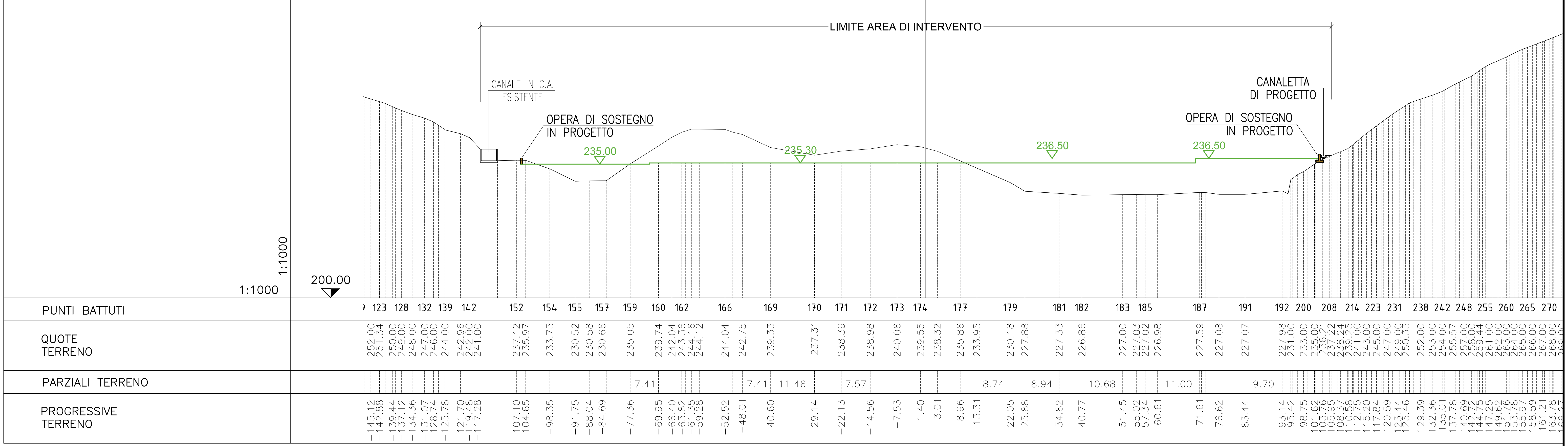


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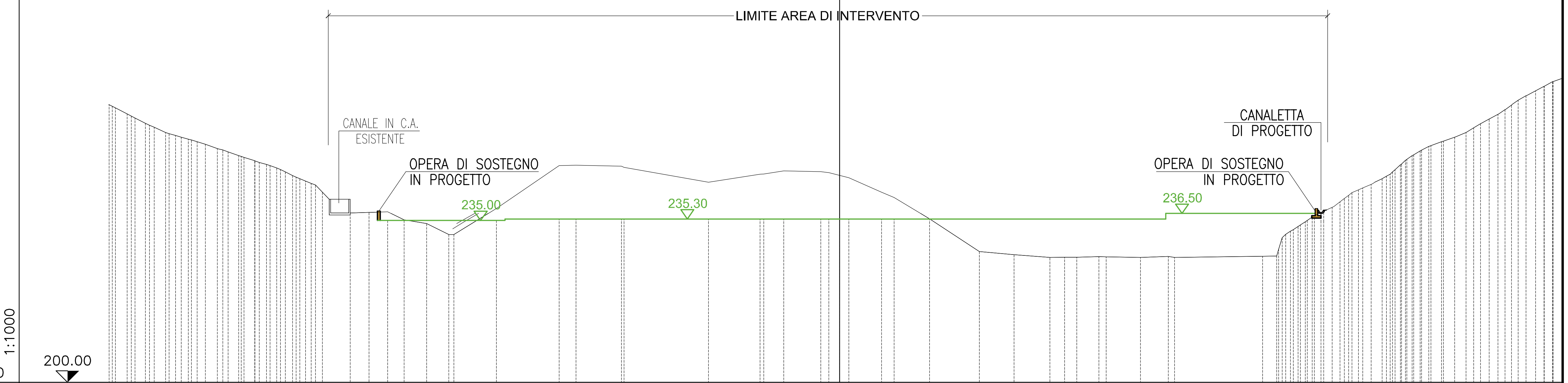
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PUNTI BATTUTI	102 106 110 116 121 130 132 133 135 136 138 140 141 143 144 146 148 150 152 153 156 157 159 160 162 163 167 175 182 188 195 203 210 215 221 227 233 239 2
QUOTE TERRENO	250.00 249.00 248.00 247.00 246.00 245.00 244.00 243.00 242.00 240.31 239.46 236.35 235.14 235.14 231.63 229.02 229.05 228.89 230.77 235.08 235.96 237.71 237.58 237.53 235.46 233.60 232.20 231.38 231.82 232.93 233.39 232.58 232.27 227.54 227.49 227.46 226.78 226.71 226.85 226.91 226.95 226.92 227.00 227.54 230.65 232.69 234.00 235.72 237.00 238.00 239.75 241.50 244.45 246.16 247.83 249.83 251.00 252.00 252.84 253.88 255.00 256.00 256.92 257.93 259.00 260.96 262.98 264.62 266.00 267.00 267.90 268.91
PARZIALI TERRENO	9.58 7.88 8.43 7.70 14.36 9.73 10.26 7.95 10.42 8.35 16.70 14.80
PROGRESSIVE TERRENO	-143.52 -141.16 -138.57 -135.99 -133.51 -131.47 -129.47 -127.36 -125.07 -121.47 -119.21 -116.79 -113.29 -111.15 -101.57 -93.69 -89.04 -81.69 -78.77 -70.34 -67.13 -62.27 -55.51 -51.50 -45.38 -37.68 -34.65 -29.96 -27.09 -12.73 -9.73 0.00 3.72 15.71 17.76 25.71 36.13 38.73 45.87 54.22 57.23 60.71 77.41 93.87 96.22 99.14 101.65 104.51 106.66 108.76 111.53 113.64 117.28 119.64 122.16 125.00 127.08 130.01 132.35 134.89 137.03 139.04 141.13 143.59 146.26 149.29 153.22 156.25 159.19 161.47 163.52 165.83

SEZIONE 11

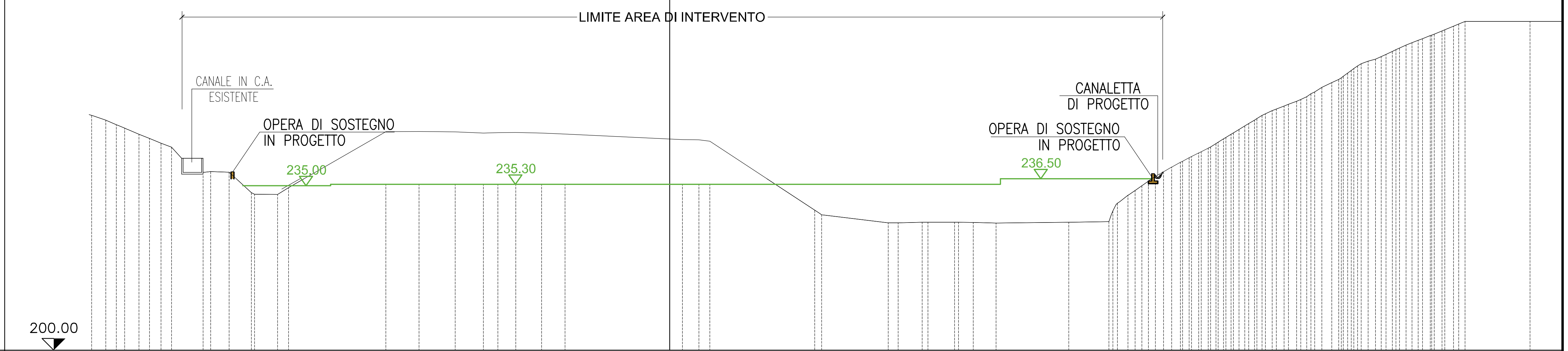

LIMITE AREA DI INTERVENTO
CANALE IN C.A. ESISTENTE
OPERA DI SOSTEGNO IN PROGETTO
235.00
235.30
236.50
236.50
CANALETTA DI PROGETTO
OPERA DI SOSTEGNO IN PROGETTO
1:1000
1:1000
200.00
PUNTI BATTUTI
QUOTE TERRENO
PARZIALI TERRENO
PROGRESSIVE TERRENO
123 128 132 139 142 152 154 155 157 159 160 162 166 169 170 171 172 173 174 177 179 181 182 183 185 187 191 192 200 208 214 223 231 238 242 248 255 260 265 270
7.41 7.41 11.46 7.57 8.74 8.94 10.68 11.00 9.70

SEZIONE 12



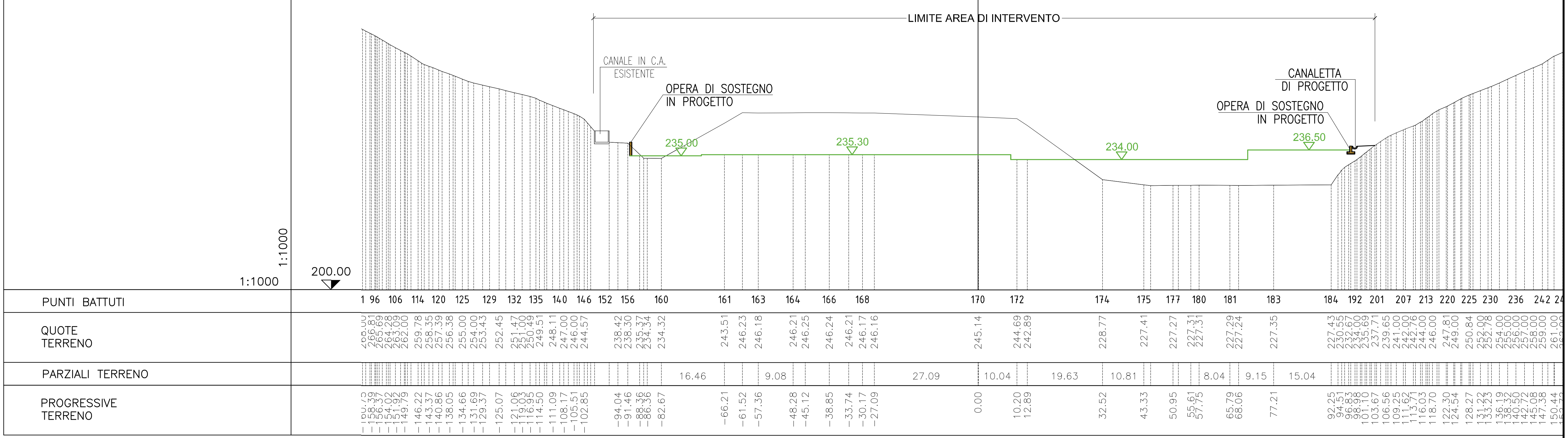
PUNTI BATTUTI	01 106 111 116 122 128 133 139 145 148 150 152 153 154 156 158 159 162 165 166 168 169 170 171 173 175 176 177 179 185 193 200 206 212 220 224 229 236 244 2
QUOTE TERRENO	259.66 258.00 256.00 254.00 253.35 252.57 251.44 250.53 249.83 249.00 247.89 247.09 246.35 244.69 243.51 242.64 241.94 241.00 237.96 236.74 236.84 235.11 234.31 231.97 237.59 246.85 246.94 246.72 243.25 244.97 245.70 245.53 244.72 244.20 241.11 239.93 235.33 228.28 227.60 226.99 227.03 227.05 227.16 227.01 227.19 227.23 227.28 232.67 234.00 235.70 237.00 238.00 239.74 241.59 242.77 244.00 245.48 248.00 250.00 251.16 252.00 253.00 254.00 255.90 257.00 258.93 261.00 263.00 264.99
PARZIALI TERRENO	9.18 13.58 9.78 18.23 11.15 8.00 7.66 10.71 7.50 7.74 7.39 18.98
PROGRESSIVE TERRENO	-157.06 -153.83 -149.89 -145.55 -143.40 -140.65 -136.93 -134.37 -132.05 -129.76 -126.26 -123.76 -121.55 -118.12 -115.31 -113.16 -110.88 -107.84 -105.83 -101.59 -97.58 -94.02 -89.18 -84.39 -74.11 -60.53 -56.89 -47.11 -28.32 -17.17 -12.04 -4.04 0.00 2.02 9.08 11.80 19.46 30.17 37.67 45.41 48.60 51.21 56.01 64.97 70.98 91.35 94.38 97.37 99.54 102.07 104.57 106.75 109.01 112.03 114.78 117.18 119.42 122.23 125.36 127.71 130.01 132.84 135.29 138.42 140.46 143.72 146.53 150.29 154.00

SEZIONE 13



PUNTI BATTUTI	20 124 130 141 143 145 147 148 149 150 152 153 155 157 159 163 165 167 170 171 172 180 188 194 200 207 214 219 226 233 238 243 249 254
QUOTE TERRENO	250.00 249.00 248.03 247.01 246.00 245.07 244.10 243.25 242.30 238.01 237.90 233.53 233.17 234.61 246.54 246.56 246.50 246.24 246.31 246.38 246.25 246.02 244.98 244.86 244.78 244.49 229.81 227.10 227.12 227.22 227.23 227.18 227.07 227.25 227.38 231.61 233.18 235.00 237.00 239.00 240.24 242.00 243.00 244.28 246.00 247.74 249.00 250.34 251.35 252.36 253.38 254.61 255.99 257.00 258.00 259.56 261.00 262.00 263.00 264.00 265.00 266.00 267.00 268.00 269.00 270.00 270.00
PARZIALI TERRENO	20.74 7.70 22.32 22.38 13.97 15.50 8.56 13.82 15
PROGRESSIVE TERRENO	-123.15 -120.18 -117.91 -115.50 -113.09 -110.86 -108.41 -106.17 -103.66 -100.55 -97.81 -93.88 -89.14 -83.55 -81.21 -60.47 -53.43 -45.73 -39.70 -36.62 -32.80 -27.32 -22.32 0.00 2.71 6.21 8.53 30.91 46.56 48.69 53.77 60.67 64.64 69.52 85.02 93.58 95.87 97.92 100.58 103.49 106.96 109.28 112.70 114.74 116.87 119.62 122.52 124.58 126.93 129.24 131.83 134.46 136.60 138.95 141.04 143.11 145.22 147.31 150.37 152.61 154.71 156.91 159.48 162.06 164.55 167.00 169.46 183.28

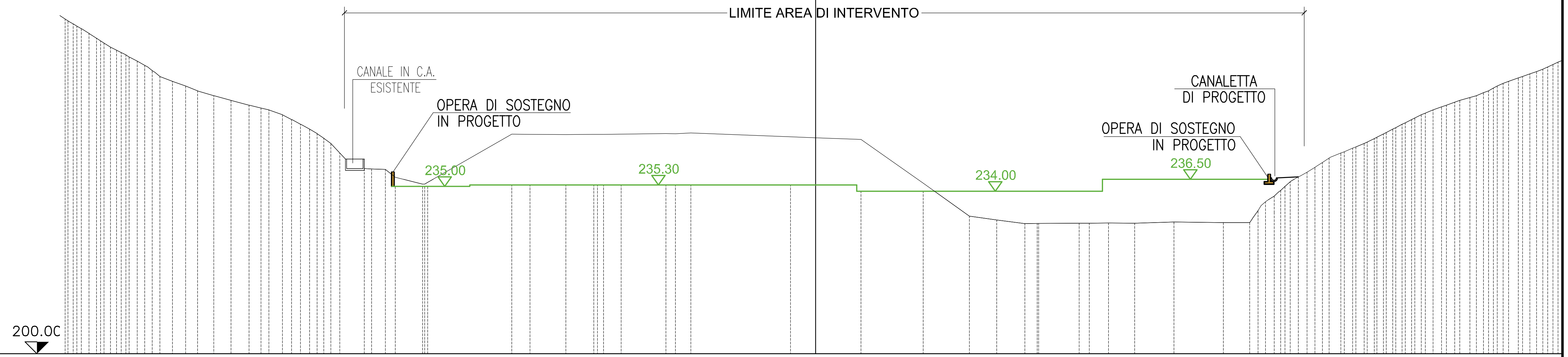
SEZIONE 14


LIMITE AREA DI INTERVENTO
CANALE IN C.A. ESISTENTE
OPERA DI SOSTEGNO IN PROGETTO
235.00
235.30
234.00
236.50
CANALETTA DI PROGETTO
OPERA DI SOSTEGNO IN PROGETTO
1:1000
1:1000
200.00
PUNTI BATTUTI
1 96 106 114 120 125 129 132 135 140 146 152 156 160 161 163 164 166 168 170 172 174 175 177 180 181 183 184 192 201 207 213 220 225 230 236 242
QUOTE TERRENO
266.81 265.69 264.28 263.09 262.00 259.78 258.35 257.39 256.38 255.00 254.00 253.43 252.45 251.47 251.00 250.49 249.51 248.11 247.00 246.00 244.57 238.42 238.30 235.37 234.34 234.32 243.51 246.23 246.18 246.21 246.25 246.24 246.21 246.17 246.16 245.14 244.69 242.89 228.77 227.41 227.27 227.31 227.31 227.29 227.24 227.35 227.43 230.55 232.67 234.00 235.69 237.71 239.65 241.00 242.00 242.76 244.00 246.00 247.81 249.00 250.84 252.00 252.78 254.00 255.00 256.00 257.00 258.00 259.00 261.00
PARZIALI TERRENO
16.46 9.08 27.09 10.04 19.63 10.81 8.04 9.15 15.04
PROGRESSIVE TERRENO
-158.39 -156.37 -154.02 -151.92 -149.79 -146.22 -143.37 -140.86 -138.05 -134.66 -131.69 -129.37 -125.07 -121.06 -119.03 -116.95 -114.50 -111.09 -108.17 -105.51 -102.85 -94.04 -91.46 -88.36 -86.36 -82.67 -66.21 -61.52 -57.36 -48.28 -45.12 -38.85 -33.74 -30.17 -27.09 0.00 10.20 12.89 32.52 43.33 50.95 55.61 57.75 65.79 68.06 77.21 92.25 94.51 96.83 98.98 101.10 103.67 106.56 109.25 111.62 113.71 116.03 118.70 122.30 124.54 128.27 131.22 133.23 136.19 138.32 140.50 142.72 145.08 147.38 150.44

SEZIONE 15

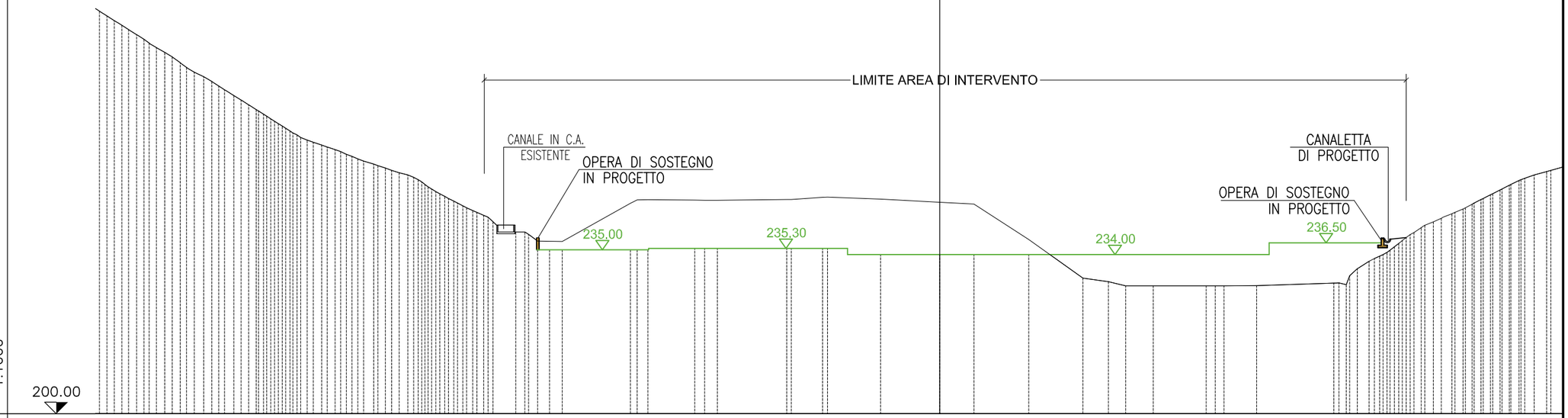
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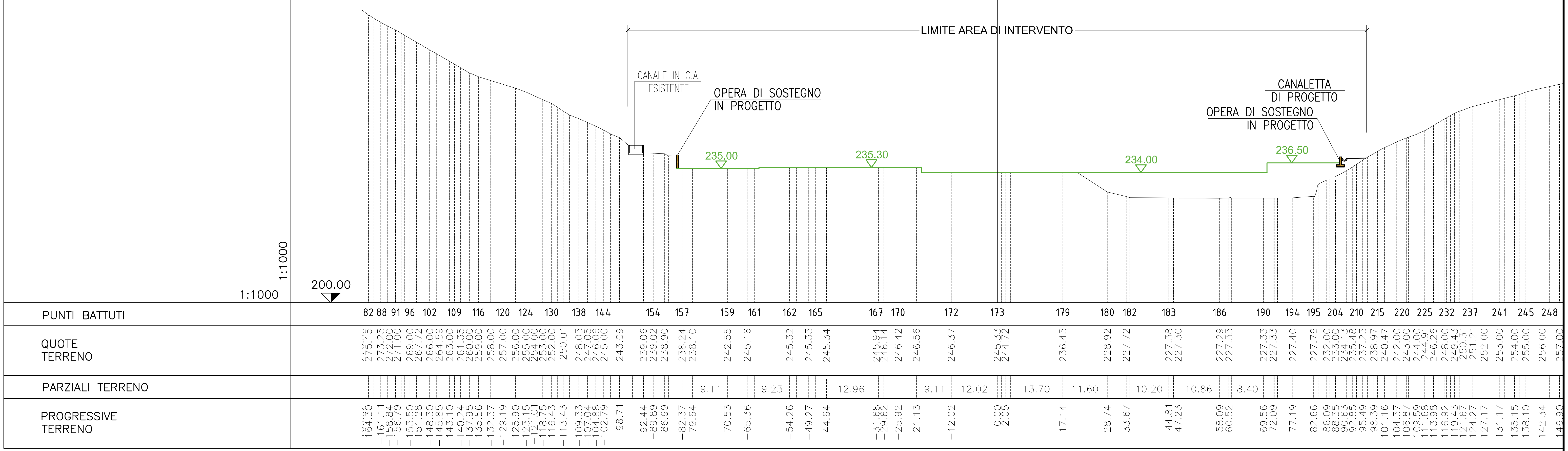
PUNTI BATTUTI	6 107 115 124 131 136 139 143 149 155 168 170 173 175 176 179 180 183 185 186 187 188 189 192 194 195 196 197 198 207 215 223 228 234 239 244 248 254 259
QUOTE TERRENO	270.00 268.77 267.00 265.46 264.13 263.00 261.22 260.00 258.00 257.00 256.00 255.00 254.00 253.00 252.00 251.41 250.00 248.00 246.06 244.00 238.67 238.57 236.94 235.48 245.95 245.91 245.84 245.89 245.91 245.94 246.06 246.01 246.17 245.37 245.18 244.84 235.68 228.80 228.01 227.24 227.27 227.32 227.33 227.34 227.33 227.58 227.43 227.46 231.00 233.00 235.00 237.00 238.20 240.00 242.00 243.00 244.00 245.00 246.29 248.00 249.33 250.34 251.64 252.63 253.61 254.60 255.58 256.57 257.72 258.54 259.53 260.52
PARZIALI TERRENO	17.56 7.49 9.35 20.82 9.45 13.03 9.64 8.45 8.21 10.32
PROGRESSIVE TERRENO	-156.85 -154.78 -151.86 -149.44 -147.36 -145.11 -141.78 -139.55 -137.03 -134.39 -131.64 -129.14 -125.76 -122.18 -118.38 -115.91 -111.43 -107.63 -104.19 -101.29 -92.78 -89.93 -87.83 -82.12 -63.49 -59.69 -52.20 -46.36 -44.32 -40.64 -31.29 -29.29 -26.09 -5.27 0.00 9.45 22.48 32.12 37.84 43.70 46.27 55.04 57.18 61.20 66.64 74.85 85.17 90.68 93.05 95.82 98.05 100.84 102.99 105.87 109.72 112.19 114.62 116.71 119.21 122.51 125.20 127.38 130.77 133.52 136.69 139.52 141.60 143.63 146.80 149.23 151.92 154.04

SEZIONE 16

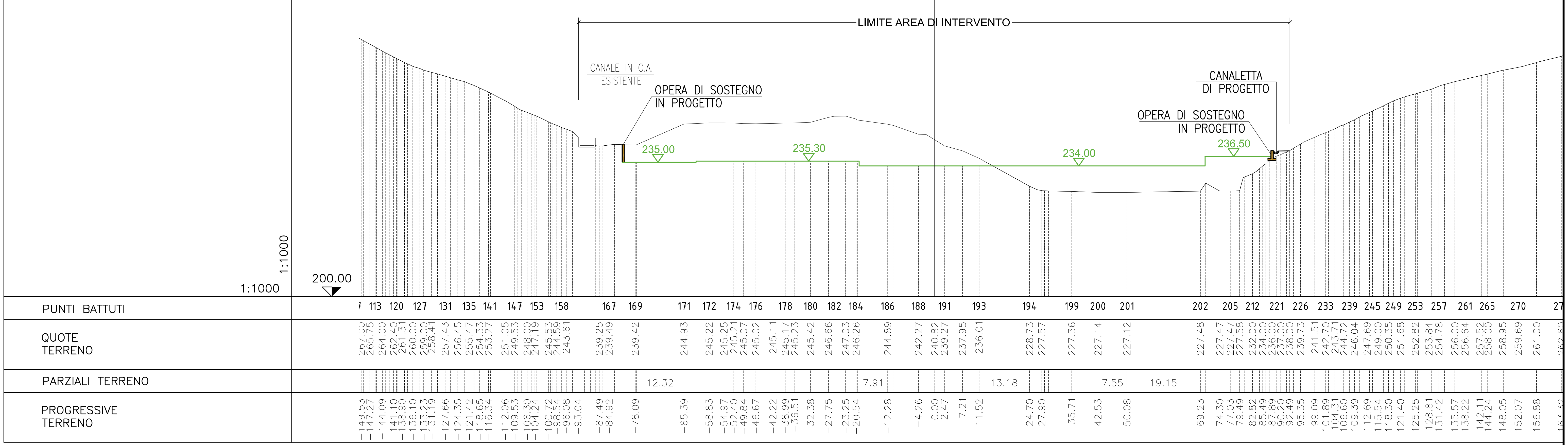


PUNTI BATTUTI	9 63 67 73 77 83 88 93 97 104 111 117 122 126 130 137 143 148 151 155 157 160 163 165 167 168 169 170 171 172 174 175 179 180 188 194 201 208 214 220 225 2
QUOTE TERRENO	285.70 284.00 282.09 280.00 278.22 277.00 275.00 273.00 272.00 270.72 269.22 267.02 265.00 263.57 262.00 260.41 259.00 258.00 257.00 256.00 255.00 254.00 253.33 252.48 251.50 250.52 249.00 247.46 246.00 244.42 243.41 242.40 238.88 238.83 238.33 236.82 236.79 244.96 245.71 245.65 245.58 245.61 245.78 246.24 245.86 245.20 244.81 237.23 228.97 228.21 227.33 227.30 227.32 227.33 227.34 227.92 227.57 230.99 232.57 233.65 234.93 236.68 238.29 239.75 240.99 242.00 243.00 244.00 245.77 246.79 247.80 249.00 250.00 251.00 251.74
PARZIALI TERRENO	14.60 10.03 14.87 11.31 12.66 7.36 11.70 11.58 11.30 16.52
PROGRESSIVE TERRENO	−179.24 −176.55 −173.52 −170.20 −167.55 −165.42 −162.48 −159.47 −157.45 −155.28 −152.97 −149.44 −146.24 −143.98 −141.49 −138.98 −136.67 −133.97 −131.03 −128.16 −125.74 −123.23 −121.09 −118.56 −115.62 −112.53 −110.12 −107.78 −105.08 −101.98 −99.86 −97.54 −93.38 −90.68 −87.92 −83.47 −80.75 −66.15 −62.41 −52.38 −50.25 −47.55 −32.68 −25.06 −12.66 0.00 7.36 19.06 30.64 36.13 39.80 45.70 57.00 59.22 67.81 84.33 87.01 89.36 91.87 94.14 96.36 98.57 100.67 103.03 105.59 107.73 110.24 112.47 115.82 118.82 119.82 122.22 124.35 127.21 129.88

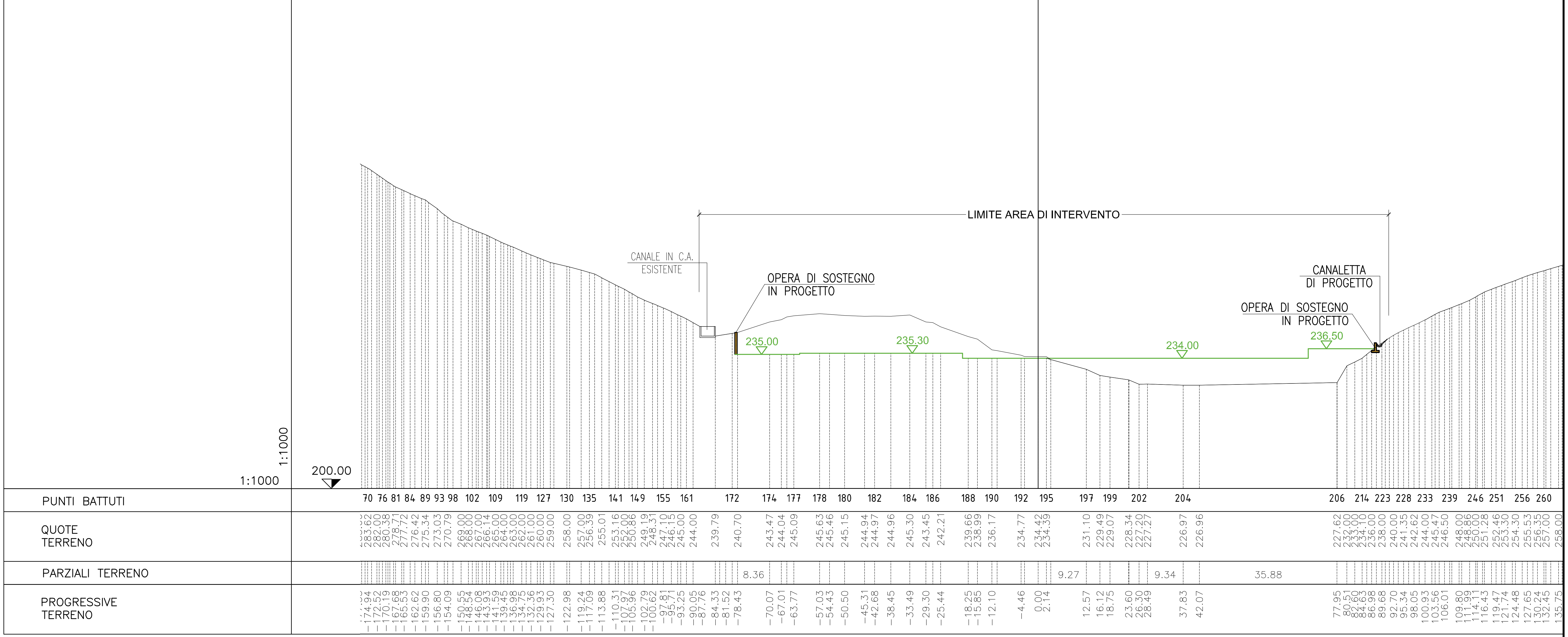
SEZIONE 17


LIMITE AREA DI INTERVENTO
CANALE IN C.A. ESISTENTE
OPERA DI SOSTEGNO IN PROGETTO
235.00
235.30
234.00
236.50
CANALETTA DI PROGETTO
OPERA DI SOSTEGNO IN PROGETTO
1:1000
1:1000
200.00
PUNTI BATTUTI
82 88 91 96 102 109 116 120 124 130 138 144 154 157 159 161 162 165 167 170 172 173 179 180 182 183 186 190 194 195 204 210 215 220 225 232 237 241 245 248
QUOTE TERRENO
275.15 273.25 272.00 271.00 269.00 267.72 266.00 264.59 263.00 261.35 260.00 259.00 258.00 257.00 256.00 255.00 254.00 253.00 252.00 250.01 248.03 247.05 246.06 245.00 243.09 239.06 239.02 238.90 238.24 238.10 242.55 245.16 245.32 245.33 245.34 245.94 246.14 246.42 246.56 246.37 245.33 244.72 236.45 228.92 227.72 227.38 227.30 227.29 227.33 227.33 227.33 227.40 227.76 232.00 233.00 234.13 235.48 237.23 238.97 240.47 242.00 243.00 244.00 244.91 246.26 248.00 249.43 250.31 251.21 252.00 253.00 254.00 255.00 256.00 257.00
PARZIALI TERRENO
9.11 9.23 12.96 9.11 12.02 13.70 11.60 10.20 10.86 8.40
PROGRESSIVE TERRENO
-164.30 -161.11 -158.84 -156.79 -153.50 -151.28 -148.30 -145.85 -143.10 -140.24 -137.95 -135.56 -132.37 -129.19 -125.90 -123.15 -121.01 -118.75 -116.43 -113.43 -109.33 -107.04 -104.88 -102.79 -98.71 -92.44 -89.89 -86.99 -82.37 -79.64 -70.53 -65.36 -54.26 -49.27 -44.64 -31.68 -29.62 -25.92 -21.13 -12.02 0.00 2.05 17.14 28.74 33.67 44.81 47.23 58.09 60.52 69.56 72.09 77.19 82.66 86.09 88.35 90.63 92.85 95.49 98.39 101.16 104.37 106.87 109.59 111.68 113.98 116.92 119.43 121.67 124.27 127.17 131.17 135.15 138.10 142.34 146.90

SEZIONE 18

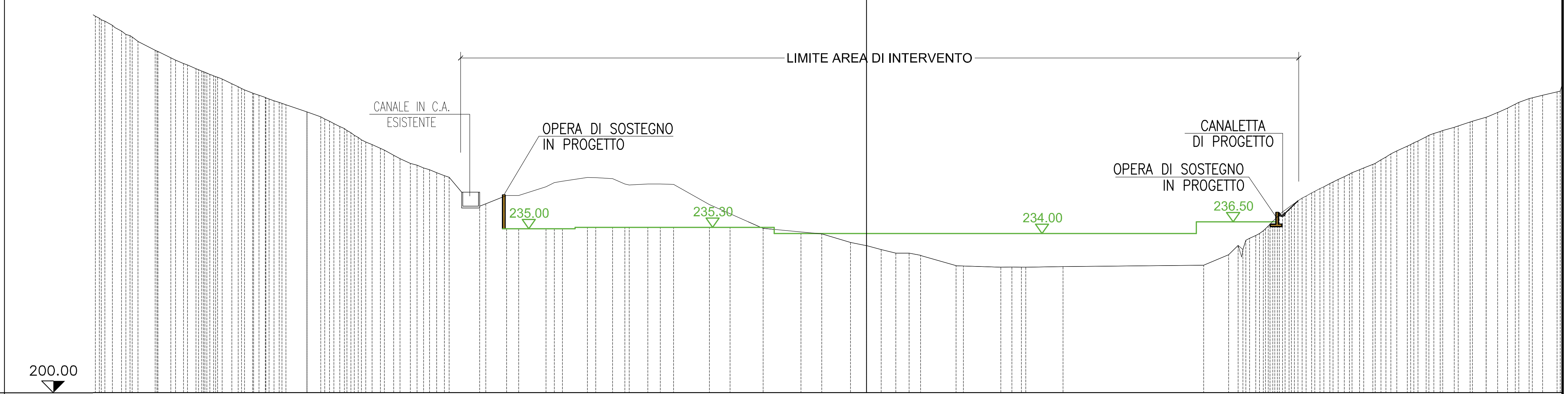

LIMITE AREA DI INTERVENTO
CANALE IN C.A.
ESISTENTE
OPERA DI SOSTEGNO
IN PROGETTO
235.00
235.30
234.00
236.50
CANALETTA
DI PROGETTO
OPERA DI SOSTEGNO
IN PROGETTO
1:1000
1:1000
200.00
PUNTI BATTUTI
QUOTE
TERRENO
PARZIALI TERRENO
PROGRESSIVE
TERRENO

SEZIONE 19



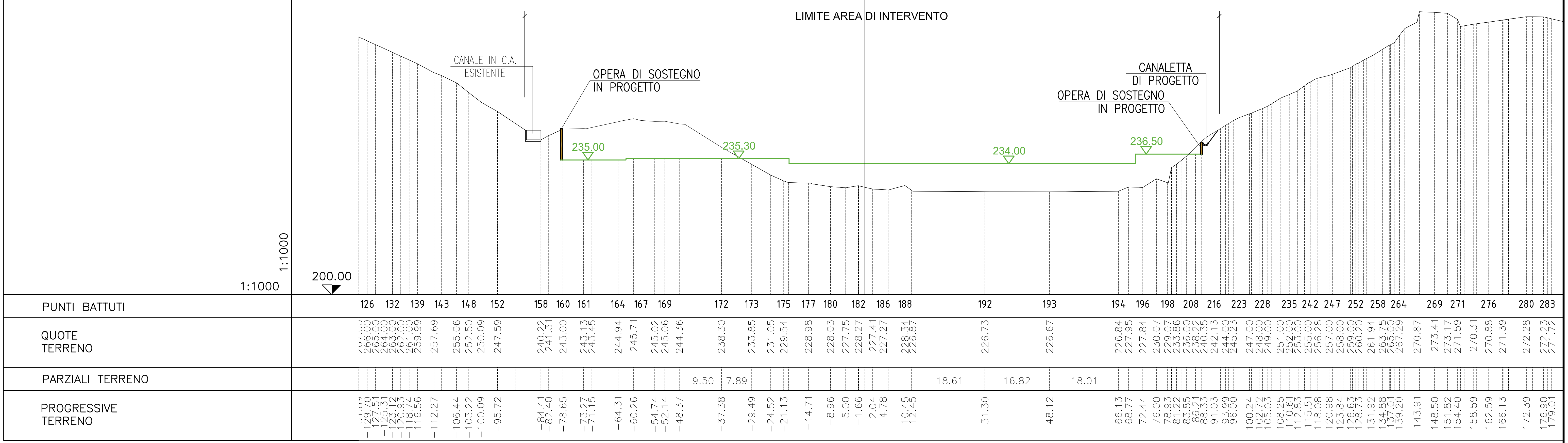
LIMITE AREA DI INTERVENTO
CANALE IN C.A. ESISTENTE
OPERA DI SOSTEGNO IN PROGETTO
CANALETTA DI PROGETTO
OPERA DI SOSTEGNO IN PROGETTO
235.00
235.30
234.00
236.50
1:1000
1:1000
200.00
PUNTI BATTUTI
70 76 81 84 89 93 98 102 109 119 127 130 135 141 149 155 161 172 174 177 178 180 182 184 186 188 190 192 195 197 199 202 204 206 214 223 228 233 239 246 251 256 260
QUOTE TERRENO
283.62 282.00 280.38 278.71 277.72 276.42 275.34 273.03 270.79 269.00 268.00 267.00 266.14 265.00 264.00 263.00 262.00 261.00 260.00 259.00 258.00 257.00 256.39 255.01 253.16 252.00 250.86 249.19 248.31 247.10 246.15 245.00 244.00 239.79 240.70 243.47 244.04 245.09 245.63 245.46 245.15 244.94 244.97 244.96 245.30 243.45 242.21 239.66 238.99 236.17 234.77 234.42 234.39 231.10 229.49 229.07 228.34 227.20 227.27 226.97 226.96 227.62 232.00 233.00 234.10 236.00 238.00 240.00 241.35 242.62 244.00 245.47 246.50 248.00 248.86 250.00 251.28 252.46 253.30 254.30 255.53 256.35 257.00 258.00
PARZIALI TERRENO
8.36 9.27 9.34 35.88
PROGRESSIVE TERRENO
-174.94 -172.52 -170.19 -167.68 -165.53 -162.62 -159.90 -156.80 -154.09 -150.55 -148.54 -146.08 -143.93 -141.59 -139.45 -136.98 -134.75 -132.36 -129.93 -127.30 -122.98 -119.24 -117.09 -113.88 -110.31 -107.97 -105.96 -102.79 -100.62 -97.81 -95.71 -93.25 -90.05 -87.76 -84.33 -81.52 -78.43 -70.07 -67.01 -63.77 -57.03 -54.43 -50.50 -45.31 -42.68 -38.45 -33.49 -29.30 -25.44 -18.25 -15.85 -12.10 -4.46 0.00 2.14 12.57 16.12 18.75 23.60 26.30 28.49 37.83 42.07 77.95 80.51 82.60 84.63 86.98 89.68 92.70 95.34 98.05 100.93 103.56 106.01 109.80 111.99 114.11 116.43 119.47 121.74 124.48 127.65 130.24 132.45 135.75

SEZIONE 20

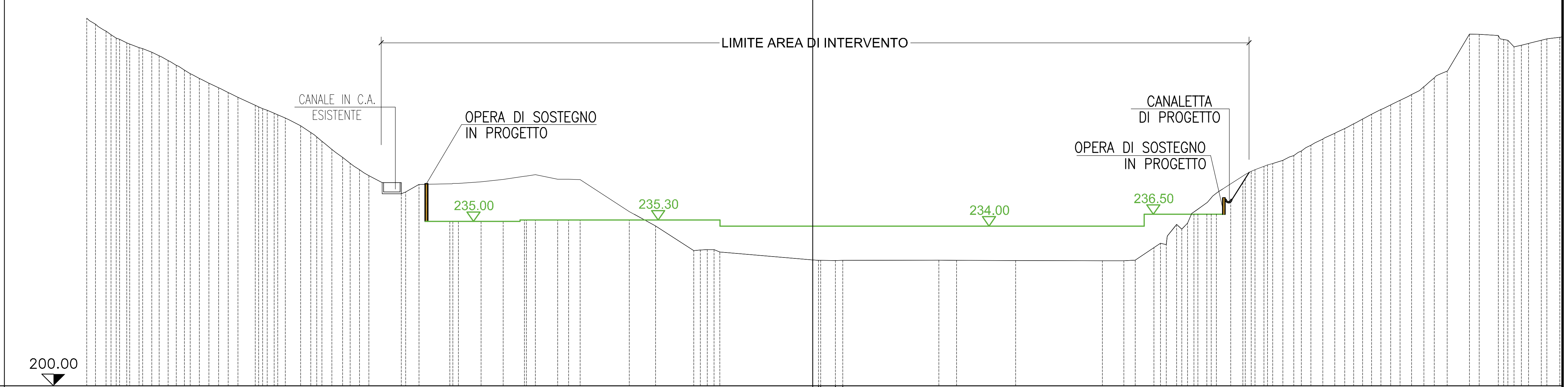


PUNTI BATTUTI	36 90 95 100 107 115 125 131 138 145 152 158 163 167 172 177 179 182 184 187 189 190 192 193 197 200 202 205 208 211 212 213 215 222 232 239 245 250 257 263 269 274 279 28
QUOTE TERRENO	280.00 278.50 276.53 275.05 273.13 271.53 270.33 269.23 268.27 267.37 266.00 265.00 264.00 263.06 262.00 260.01 258.93 257.51 256.43 255.00 253.55 252.18 250.74 249.00 248.00 247.00 246.00 240.33 242.11 242.14 243.98 245.17 245.96 245.75 244.58 244.57 244.58 244.51 240.18 238.23 235.10 234.33 233.93 232.11 231.44 230.56 229.83 229.80 229.33 227.14 226.79 226.86 226.80 226.94 227.23 229.48 231.46 233.00 234.00 236.00 238.60 240.45 242.00 243.63 244.68 246.13 247.65 248.75 250.00 251.66 252.66 253.78 255.00 255.81 256.71 257.84 258.86 259.88 260.81 262.00 262.82 263.53 264.28
PARZIALI TERRENO	7.70 8.09 7.99 7.92 30.09
PROGRESSIVE TERRENO	-163.93 -161.13 -158.25 -155.66 -151.99 -148.62 -145.92 -143.25 -140.94 -138.66 -135.58 -133.53 -131.14 -128.45 -125.49 -119.57 -116.60 -113.81 -111.57 -109.46 -107.00 -103.84 -101.02 -97.46 -94.63 -91.85 -89.15 -81.34 -76.90 -74.30 -68.46 -64.98 -59.62 -54.26 -51.65 -46.70 -44.06 -41.23 -33.53 -29.17 -22.09 -14.00 -9.54 -3.43 -0.06 3.16 6.26 9.13 11.57 19.14 28.71 31.07 33.12 41.97 72.06 77.39 79.39 81.84 83.99 86.24 88.89 91.42 93.93 96.91 99.01 102.11 105.36 108.19 110.39 113.33 115.56 117.83 120.18 122.58 125.57 128.97 132.38 134.86 136.97 139.38 141.56 144.47 147.55

SEZIONE 21

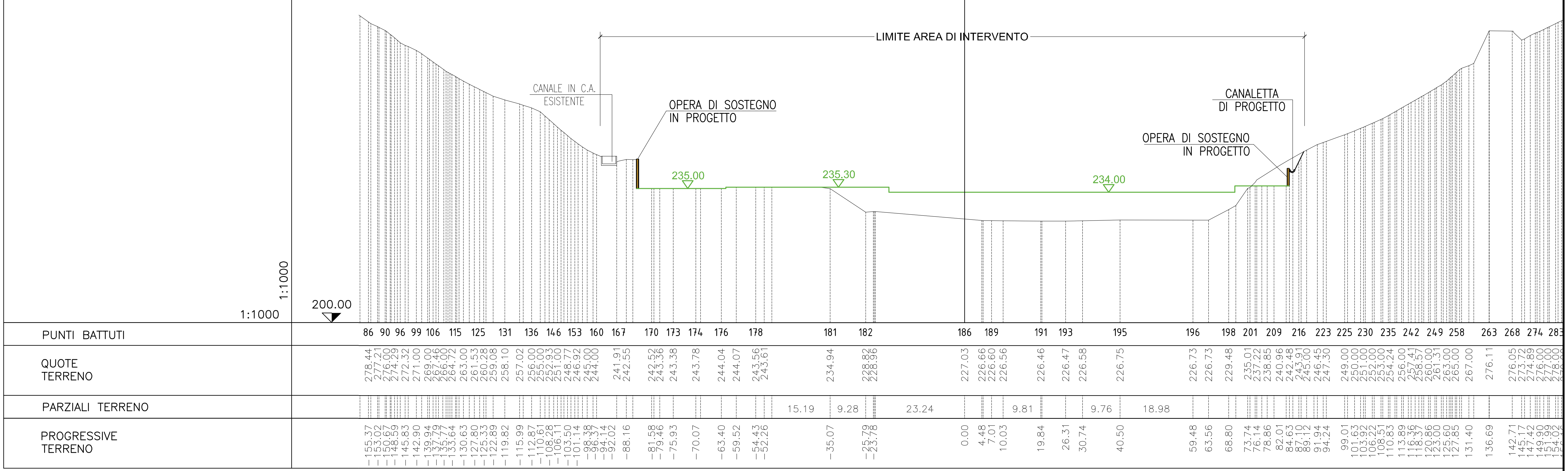

LIMITE AREA DI INTERVENTO
CANALE IN C.A. ESISTENTE
OPERA DI SOSTEGNO IN PROGETTO
CANALETTA DI PROGETTO
OPERA DI SOSTEGNO IN PROGETTO
235.00
235.30
234.00
236.50
1:1000
1:1000
200.00
PUNTI BATTUTI
126 132 139 143 148 152 158 160 161 164 167 169 172 173 175 177 180 182 186 188 192 193 194 196 198 208 216 223 228 235 242 247 252 258 264 269 271 276 280 283
QUOTE TERRENO
266.00 265.00 264.00 263.00 262.00 261.00 259.99 257.69 255.06 252.50 250.09 247.59 240.22 241.31 243.00 243.13 243.45 244.94 245.71 245.02 245.06 244.36 238.30 233.85 231.05 229.54 228.98 228.03 227.75 228.27 227.41 227.27 228.34 226.87 226.73 226.67 226.84 227.95 227.84 230.07 229.07 233.86 236.00 238.22 240.35 242.13 244.00 245.23 247.00 248.00 249.00 251.00 252.00 253.00 255.00 256.28 257.00 258.00 259.00 260.20 261.94 263.75 265.00 267.29 270.87 273.41 273.17 271.59 270.31 270.88 271.39 272.28 272.23 271.72
PARZIALI TERRENO
9.50 7.89 18.61 16.82 18.01
PROGRESSIVE TERRENO
-129.70 -127.51 -125.31 -123.12 -120.93 -118.74 -116.56 -112.27 -106.44 -103.22 -100.09 -95.72 -84.41 -82.40 -78.65 -73.27 -71.15 -64.31 -60.26 -54.74 -52.14 -48.37 -37.38 -29.49 -24.52 -21.13 -14.71 -8.96 -5.00 -1.66 2.04 4.78 10.45 12.45 31.30 48.12 66.13 68.77 72.44 76.00 78.93 81.22 83.85 86.21 88.33 91.03 93.99 96.00 100.24 102.72 105.03 108.25 110.61 112.83 115.51 118.08 120.98 123.84 126.63 128.73 131.92 134.88 137.01 139.20 143.91 148.50 151.82 154.40 158.59 162.59 166.13 172.39 176.90 179.01

SEZIONE 22



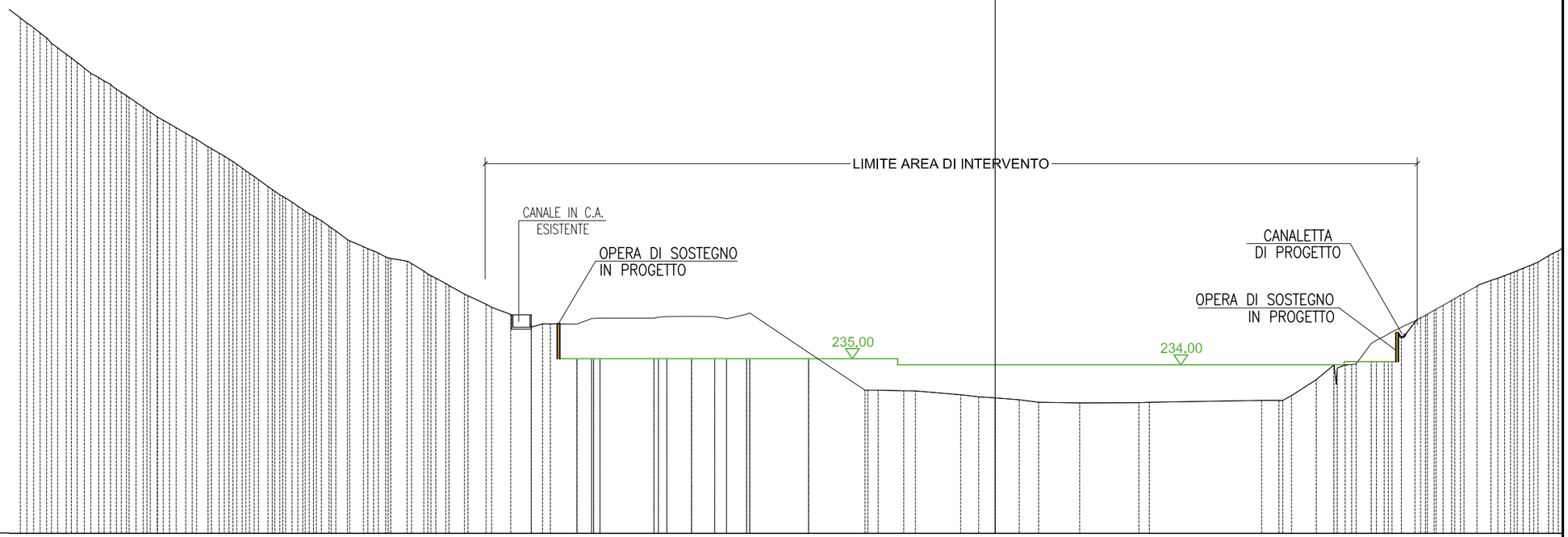
PUNTI BATTUTI	5 91 95 98 102 108 114 119 125 129 137 143 149 153 155 158 161 162 163 167 168 172 173 175 176 178 180 185 192 199 205 209 215 221 227 232 239 244 246 252 25
QUOTE TERRENO	276.75 274.75 273.00 272.00 271.00 270.00 268.22 266.44 265.22 264.21 263.21 262.21 259.70 258.64 257.67 256.69 255.36 253.91 252.07 250.34 248.64 246.72 245.37 241.27 242.86 243.01 243.43 243.94 244.60 244.95 243.96 243.96 243.90 237.07 234.03 228.78 229.01 228.48 226.81 226.64 226.73 226.71 226.66 226.63 226.63 226.76 229.42 230.05 234.36 234.62 237.59 240.00 243.00 244.64 246.00 247.00 248.00 249.00 250.72 252.51 253.74 254.76 256.00 257.79 259.00 260.00 261.56 262.83 264.71 266.48 274.85 274.82 274.58 273.55 272.51 273.00 273.55 274.20
PARZIALI TERRENO	10.47 8.10 19.76 20.42 12.57 18.45
PROGRESSIVE TERRENO	-152.32 -149.26 -145.91 -143.31 -140.58 -138.48 -135.39 -132.42 -130.02 -127.97 -125.92 -123.88 -118.57 -116.06 -113.80 -111.56 -108.95 -106.75 -104.40 -102.28 -99.98 -97.55 -95.54 -83.74 -77.19 -70.54 -65.87 -61.31 -58.99 -54.25 -51.93 -49.46 -38.99 -33.41 -25.31 -22.41 -19.76 0.00 4.83 26.83 30.60 43.17 61.62 66.19 68.62 72.61 75.20 77.44 79.74 81.93 84.77 88.93 91.52 94.09 96.77 100.02 102.34 104.94 108.53 111.07 113.20 115.56 118.92 121.34 123.41 126.63 129.09 131.21 133.77 139.72 141.79 145.87 147.91 150.76 152.76 155.01 158.94

SEZIONE 23



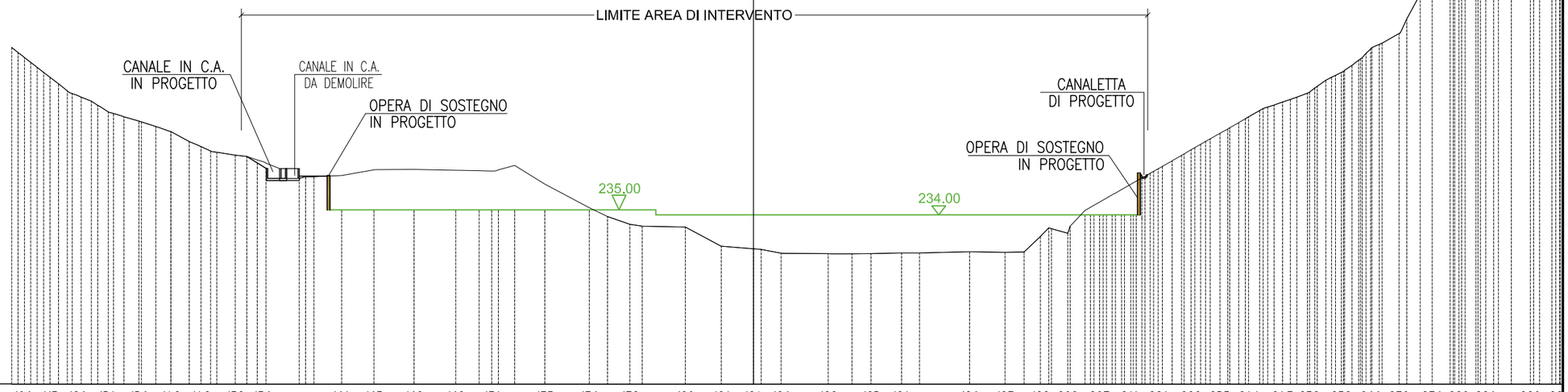
LIMITE AREA DI INTERVENTO
CANALE IN C.A. ESISTENTE
OPERA DI SOSTEGNO IN PROGETTO
235.00
235.30
234.00
CANALETTA DI PROGETTO
OPERA DI SOSTEGNO IN PROGETTO
1:1000
1:1000
200.00
PUNTI BATTUTI
QUOTE TERRENO
PARZIALI TERRENO
PROGRESSIVE TERRENO
86 90 96 99 106 115 125 131 136 146 153 160 167 170 173 174 176 178 181 182 186 189 191 193 195 196 198 201 209 216 223 225 230 235 242 249 258 263 268 274 283
15.19 9.28 23.24 9.81 9.76 18.98

SEZIONE 24



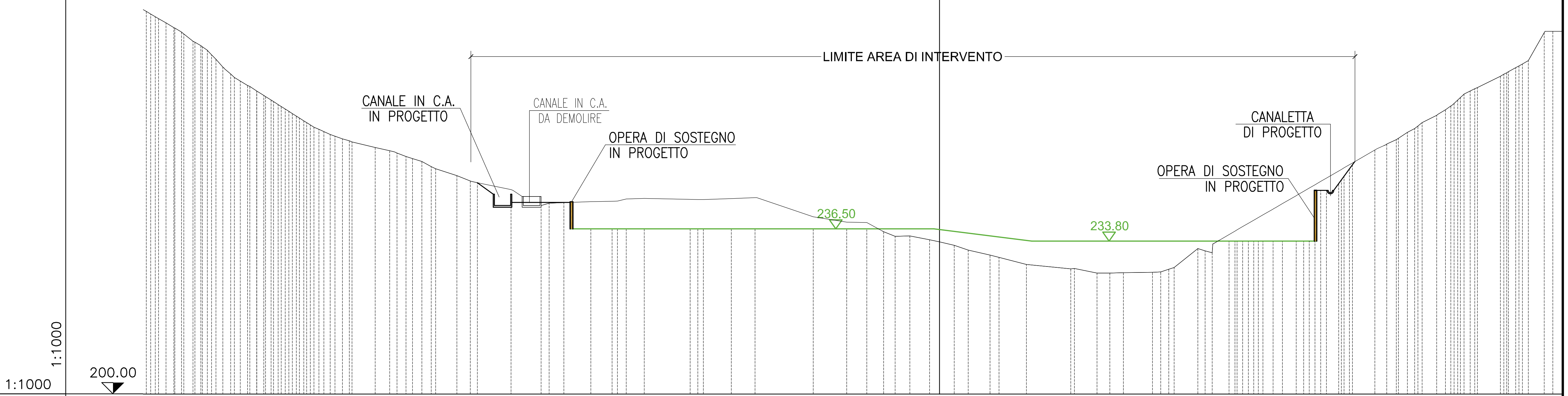
PUNTI BATTUTI	49 55 60 66 71 76 82 87 93 101 106 113 121 129 138 142 148 153 161 167 170 175 176 180 183 185 189 190 193 195 197 199 200 201 203 206 208 215 220 227 234 239 244 249
QUOTE TERRENO	304.00 302.00 300.00 298.00 295.97 293.88 292.00 290.62 289.00 287.00 285.47 284.00 282.62 281.16 280.00 278.00 276.73 275.00 273.16 271.37 269.50 268.00 266.00 264.46 263.08 261.00 259.27 257.82 257.00 255.78 254.92 252.93 251.39 250.39 248.29 246.23 244.15 242.87 241.99 242.24 242.23 243.30 243.41 243.75 243.79 243.72 243.26 244.19 236.46 228.88 228.89 228.78 228.73 227.97 227.54 227.30 226.96 226.42 226.30 226.36 226.41 226.82 226.82 227.77 230.99 233.97 233.95 234.20 238.27 239.73 241.55 242.86 244.00 245.22 247.00 248.41 249.87 251.00 252.00 253.00 254.00 256.00
PARZIALI TERRENO	10.92 11.91 11.35 9.12 8.29 11.97 22.71
PROGRESSIVE TERRENO	-196.99 -194.33 -191.67 -189.45 -186.69 -184.07 -181.13 -178.77 -176.59 -173.63 -171.42 -169.28 -166.84 -164.29 -162.29 -159.03 -156.80 -154.00 -151.42 -148.91 -146.28 -143.99 -140.89 -138.60 -136.15 -133.21 -130.89 -127.66 -125.60 -123.17 -118.83 -115.47 -113.06 -111.03 -107.25 -102.90 -97.88 -95.80 -93.72 -91.57 -84.54 -81.56 -68.94 -66.35 -61.38 -56.66 -54.32 -50.24 -37.69 -26.34 -23.67 -18.49 -16.10 -6.98 -3.32 0.00 4.86 8.77 17.06 29.03 31.14 53.85 57.35 59.91 64.91 68.46 70.74 72.92 75.96 78.62 82.08 84.80 86.94 89.09 92.25 94.74 97.33 100.18 102.92 105.52 107.98 111.83

SEZIONE 25



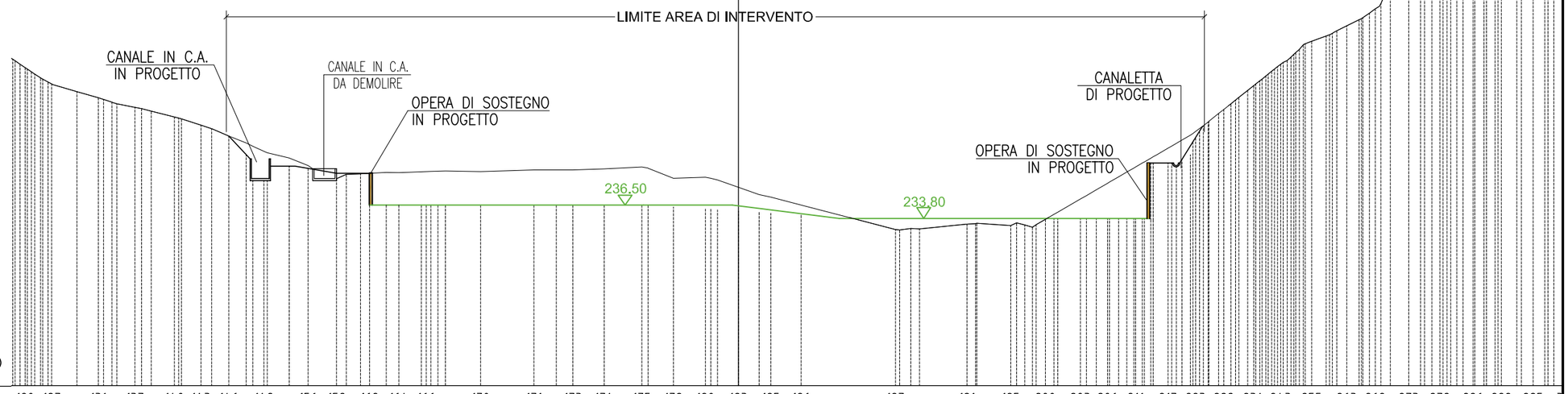
PUNTI BATTUTI	106 115 126 131 136 142 148 152 156 164 165 168 169 171 175 176 178 180 181 184 186 189 193 194 196 197 199 202 207 214 221 229 235 241 247 252 258 266 270 276 280 286 290 29
QUOTE TERRENO	267.24 265.29 263.40 261.75 259.27 258.38 257.18 255.27 254.23 253.15 252.06 251.02 249.00 248.00 247.00 246.27 246.00 245.30 241.56 241.91 242.15 243.28 243.41 243.23 243.11 243.06 244.18 240.41 235.64 233.85 232.31 231.91 231.74 227.86 227.33 226.45 226.35 226.35 226.35 226.51 226.48 226.75 226.62 226.69 229.86 231.41 230.47 235.10 236.80 238.24 239.65 241.00 242.61 243.91 245.12 246.53 247.78 249.04 250.30 251.57 252.84 254.20 255.27 256.38 257.52 258.78 261.41 263.00 264.42 266.00 268.67 270.86 278.80 278.79 278.74 279.42 280.73 282.00 283.38 284.85 286.52
PARZIALI TERRENO	7.59 8.42 9.01 8.73 9.00 10.13
PROGRESSIVE TERRENO	−149.14 −146.62 −144.18 −142.03 −138.87 −136.85 −133.98 −130.96 −127.94 −124.38 −120.94 −117.88 −114.19 −111.79 −109.62 −104.87 −102.56 −100.42 −92.41 −88.96 −83.32 −76.80 −68.69 −60.27 −55.50 −52.97 −48.30 −42.23 −33.22 −29.52 −24.98 −22.51 −13.78 −6.50 0.00 5.61 15.14 19.95 23.82 29.99 33.61 43.74 50.92 54.77 58.07 60.33 63.63 67.09 70.08 72.62 75.09 77.47 80.31 82.59 84.73 87.16 89.34 91.54 93.76 95.99 98.20 100.43 105.37 108.67 112.12 115.87 118.99 121.13 123.23 126.66 130.68 134.95 137.35 141.00 143.32 146.22 149.80 153.39 157.25 161.60

SEZIONE 26



PUNTI BATTUTI	85 88 93 97 104 111 119 126 132 136 138 142 145 147 152 156 161 163 165 166 170 172 173 174 176 178 180 182 184 185 186 188 190 191 195 200 205 211 215 219 224 231 236 247 252 260 268
QUOTE TERRENO	284.59 283.41 282.05 280.00 278.00 276.77 275.00 272.28 270.00 268.22 267.00 265.00 263.55 262.00 260.40 259.00 258.00 257.00 256.00 254.49 253.78 252.53 251.42 250.27 248.27 247.09 245.18 241.76 242.33 242.51 242.62 243.12 243.22 243.02 242.99 243.22 243.40 239.16 237.97 237.89 235.88 234.87 234.97 234.10 233.62 232.88 231.80 230.72 228.64 227.65 226.76 226.74 226.82 226.92 227.56 232.17 231.24 235.24 237.00 238.42 239.59 240.89 242.09 243.85 245.54 247.00 249.30 250.68 253.96 255.11 256.25 257.84 259.24 261.60 262.93 265.00 267.00 270.23 272.13 273.71 279.88
PARZIALI TERRENO	7.48 10.18 12.51 7.38 9.82
PROGRESSIVE TERRENO	-175.44 -173.42 -171.08 -167.64 -165.11 -163.02 -160.97 -158.47 -155.97 -153.02 -151.00 -147.85 -145.56 -143.12 -140.60 -138.33 -136.13 -133.67 -130.51 -124.79 -121.57 -117.97 -114.48 -112.40 -106.75 -103.78 -94.73 -88.22 -83.08 -77.10 -72.40 -69.26 -65.31 -55.13 -52.24 -46.05 -40.77 -27.91 -20.53 -16.09 -12.34 -9.79 -6.55 -2.17 0.00 3.29 6.35 11.20 19.24 29.06 34.84 37.69 40.71 47.13 50.73 57.14 60.31 64.05 67.07 69.52 71.54 73.78 75.85 78.89 81.80 84.32 88.28 90.66 96.32 98.70 101.04 103.50 105.82 109.95 112.03 114.64 117.38 124.06 127.46 130.26 133.76

SEZIONE 27



PUNTI BATTUTI	120 127 131 137 140 143 146 149 156 158 162 164 166 170 171 173 174 175 179 180 183 185 186 187 191 195 200 203 206 211 217 223 229 234 243 255 263 268 273 279 286 292 295 3
QUOTE TERRENO	264.32 262.24 261.00 259.44 258.20 257.33 256.26 255.49 254.32 252.67 251.97 250.47 249.06 247.38 246.01 244.50 241.87 242.81 243.10 243.05 243.26 243.37 243.30 243.63 243.61 243.64 243.81 244.20 241.93 242.12 241.60 240.12 238.64 238.11 236.52 231.57 231.76 232.67 232.35 232.50 232.53 234.63 237.72 239.58 240.91 242.23 244.00 245.23 246.68 248.00 249.66 251.50 252.55 255.03 256.99 259.71 261.65 263.38 265.00 267.13 270.68 271.69 272.79 274.00 275.33 276.71 281.65 281.64 281.62 283.00 284.19 285.31 286.55 287.39 288.23 289.81 291.00 291.80
PARZIALI TERRENO	10.78 7.62 19.07 9.58
PROGRESSIVE TERRENO	-144.37 -141.24 -138.96 -133.84 -129.55 -126.77 -122.12 -118.83 -114.14 -108.76 -106.62 -103.14 -99.62 -96.02 -90.91 -87.08 -81.32 -76.47 -71.26 -68.74 -64.17 -60.82 -52.17 -41.39 -36.86 -33.49 -27.16 -19.54 -13.17 -6.68 -4.21 0.00 4.19 6.58 12.71 31.78 34.87 46.26 55.13 57.96 60.26 63.87 69.20 72.41 74.71 76.98 80.04 82.16 84.66 86.93 89.80 91.09 94.09 97.21 99.68 103.09 105.54 107.96 110.27 112.44 114.73 118.93 120.96 123.12 125.65 127.71 129.73 131.95 135.68 138.06 140.37 142.59 145.40 148.68 150.91 153.14 157.55 160.83 163.23