



PREFEITURA MUNICIPAL DE ENTRE RIOS DE MINAS

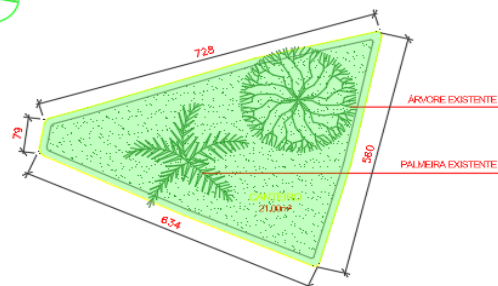
DATA: 07/11/2025

OBRA: REFORMA DA PRAÇA ÂNGELO PANZERA E DA PRAÇA SENADOR RIBEIRO

ENDEREÇOS: PRAÇA ÂNGELO PANZERA, S/N, ENTRE A RUA ÂNGELO PANZERA E A RUA ENTRE RIOS, DISTRITO SERRA DO CAMAPUÃ, E PRAÇA SENADOR RIBEIRO, S/N, BAIRRO CENTRO - ENTRE RIOS DE MINAS/MG

MEMÓRIA DE CÁLCULO AUXILIAR

PRAÇA ANGELO PANZERA



Specify first corner point or [Object/Add area/Subtract area/eXit] <Object>: o

Select objects:

Area = 6891536.3062, Perimeter = 12193.5524

 MEASUREGEOM Enter an option [**D**istance **R**adius **A**ngle **A**Rea **V**olume **Q**uick **M**ode **e**xit] <ARea>:

Specify first corner point or [Object/Add area/Subtract area/eXit] :

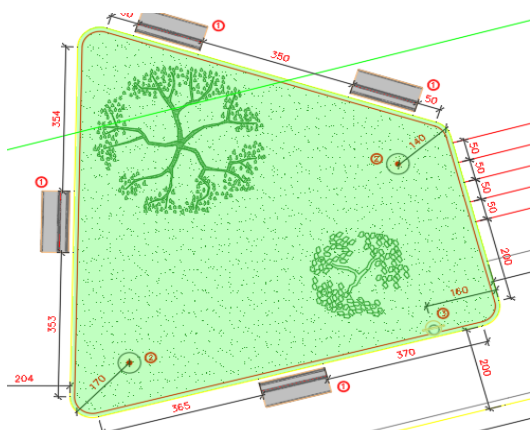
Select objects:

Area = 208568.3002, Perimeter = 1977.9421

MEASUREGEOM Enter an option [Distance Radius Angle Area Volume Q

A= 689.15

P= 121.94



Specify first corner point or [Object/Add area/Subtract area/eXit] <Ob

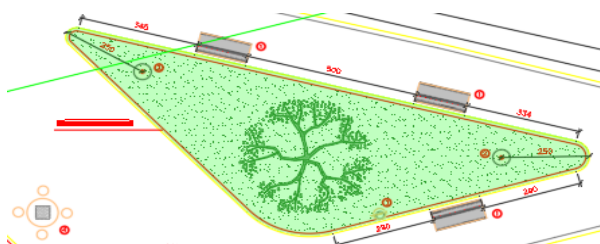
Select objects:

Area = 651880.5749, Perimeter = 3234.3167

MEASUREGEOM Enter an option [Distance Radius Angle ARea Volume Quick

A= 65,19

P= 32,34



Specify first corner point or [Object/Add area/Subtract area/

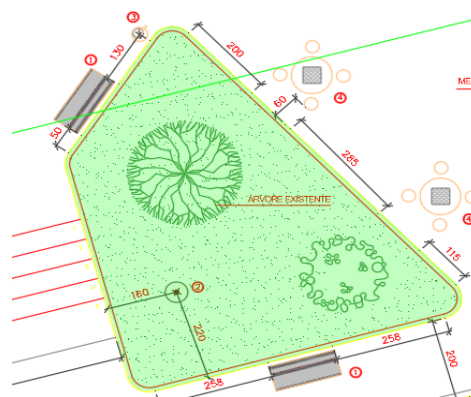
Select objects:

150°

Area = 459455.7700, Perimeter = 3432.8707

A= 45.95

P= 34.33



Specify first corner point or [Object/Add area/Subtract area/

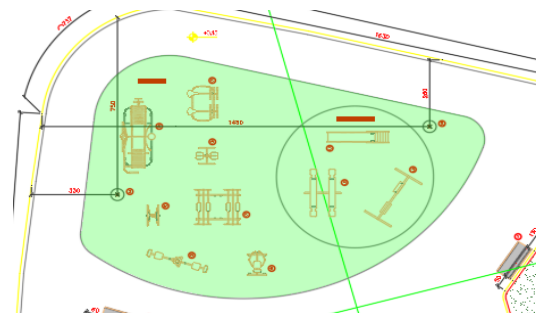
Select objects:

Area = 444697.2222, Perimeter = 2701.9950

 MEASUREGEOM Enter an option [Distance Radius Angle ARea Vo

A= 44,47

P= 27,02



Specify first corner point or [Object/Add area/Subtract area/exit]

Select objects:

Area = 1173846.5410, Length = 4154.0390

MEASUREGEOM Enter an option [Distance Radius Angle ARea Volume

A= 117.38

ÁREA GRAMADA= 176.46



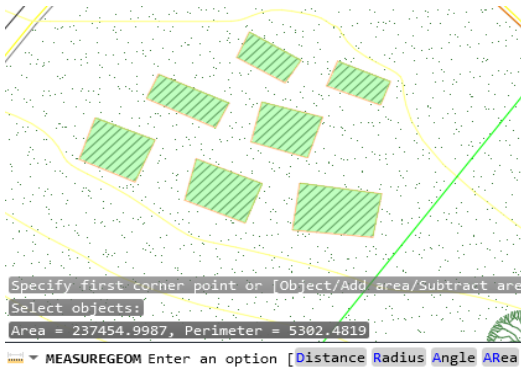
PREFEITURA MUNICIPAL DE ENTRE RIOS DE MINAS

DATA: 07/11/2025

OBRA: REFORMA DA PRAÇA ÂNGELO PANZERA E DA PRAÇA SENADOR RIBEIRO

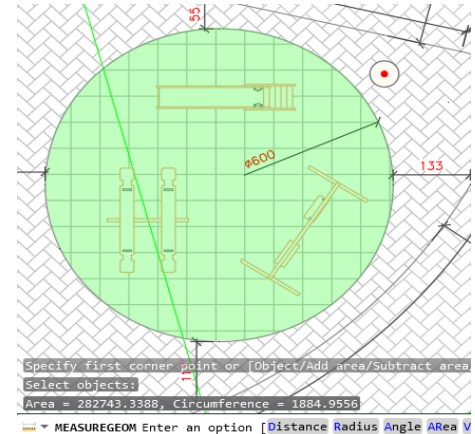
ENDEREÇOS: PRAÇA ÂNGELO PANZERA, S/N, ENTRE A RUA ÂNGELO PANZERA E A RUA ENTRE RIOS, DISTRITO SERRA DO CAMAPUÃ, E PRAÇA SENADOR RIBEIRO, S/N, BAIRRO CENTRO - ENTRE RIOS DE MINAS/MG

MEMÓRIA DE CÁLCULO AUXILIAR



MEASUREGEOM Enter an option [Distance Radius Angle Area

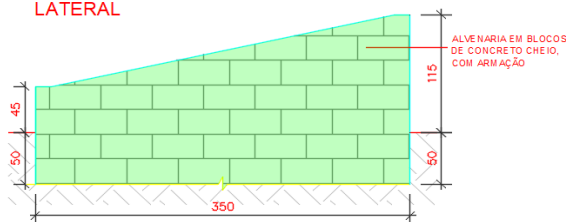
A= 23,75



MEASUREGEOM Enter an option [Distance Radius Angle Area V

A= 28,27
P= 18,85

LATERAL

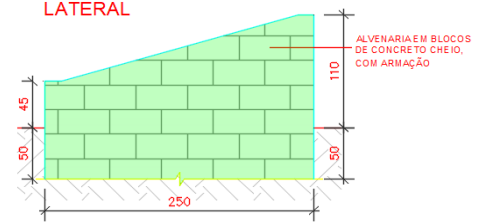


Specify first corner point or [Object/Add area/Subtract area/eXit] <Object>
Select objects:
Area = 45498.7213, Perimeter = 987.8539

MEASUREGEOM Enter an option [Distance Radius Angle Area Volume Quick Mo

A= 45,50

LATERAL

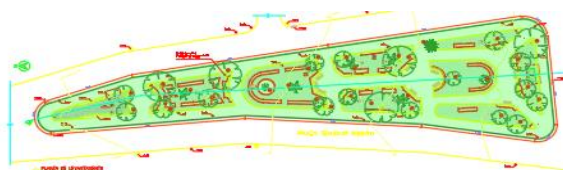


Specify first corner point or [Object/Add area/Subtract area/
Select objects:
Area = 31873.7213, Perimeter = 784.6885

MEASUREGEOM Enter an option [Distance Radius Angle Area Vc

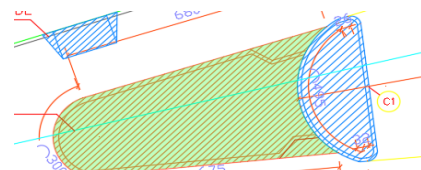
A= 31,87

PRAÇA SENADOR RIBEIRO



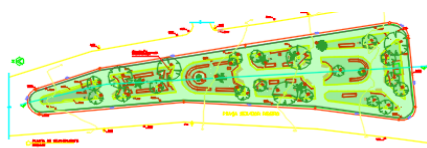
MEASUREGEOM Enter an option [Distance Radius Angle Area Volur

A= 1670,00 área total de intervenção
P= 241,00 perímetro total da área de intervenção



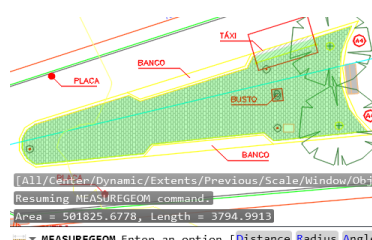
MEASUREGEOM Enter an option [Distance Radius Angle Area Vol

A= 19,17 área de canteiro elevado a demolir
P= 20,93 perímetro de canteiro elevado a demolir



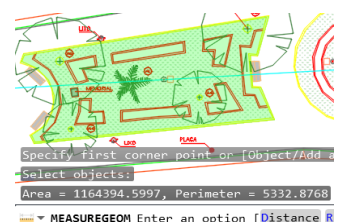
MEASUREGEOM Enter an option [Distance Rad

1645,66 =A (m²) de intervenção sem a espessura dos meios-fios externos



MEASUREGEOM Enter an option [Distance Radius Angle

A (m²) = 50,18



MEASUREGEOM Enter an option [Distance R

A (m²) = 116,44



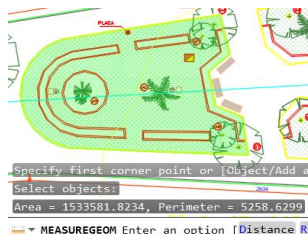
PREFEITURA MUNICIPAL DE ENTRE RIOS DE MINAS

DATA: 07/11/2025

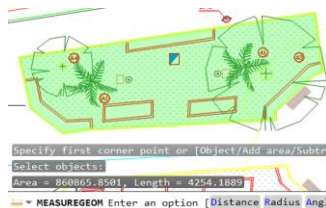
OBRA: REFORMA DA PRAÇA ÂNGELO PANZERA E DA PRAÇA SENADOR RIBEIRO

ENDEREÇOS: PRAÇA ÂNGELO PANZERA, S/N, ENTRE A RUA ÂNGELO PANZERA E A RUA ENTRE RIOS, DISTRITO SERRA DO CAMAPUÃ, E PRAÇA SENADOR RIBEIRO, S/N, BAIRRO CENTRO - ENTRE RIOS DE MINAS/MG

MEMÓRIA DE CÁLCULO AUXILIAR



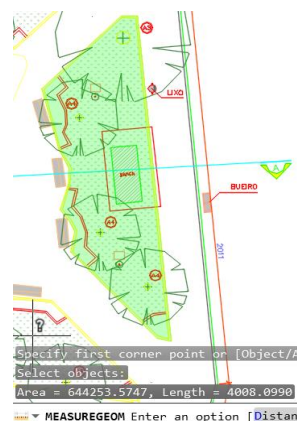
A (m²) = 153,36



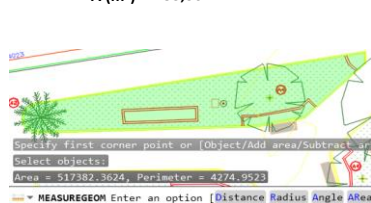
A (m²) = 86,09



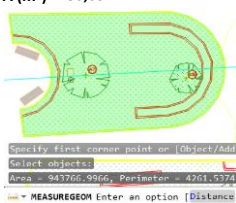
A (m²) = 88,84



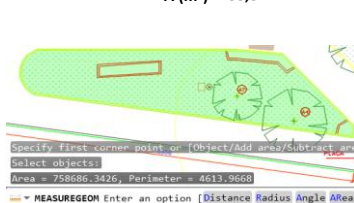
A (m²) = 64,43



A (m²) = 51,74

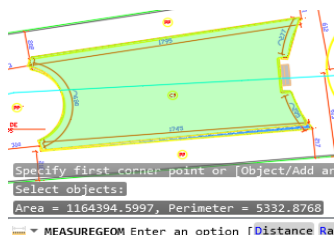


A (m²) = 94,38

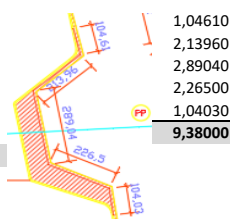


A (m²) = 75,87

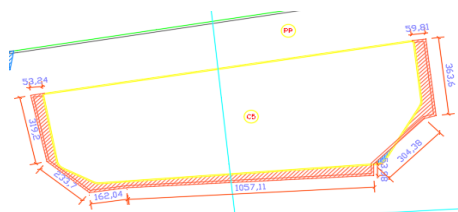
864,33 = A (m²) de piso existente em calçada portuguesa = 1645,66-50,18-116,44-153,36-86,09-88,84-51,74-94,38-75-87-64,43



53,33 m de meios-fios a remover no C3

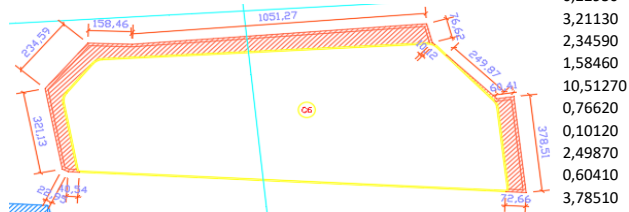


1,04610
2,13960
2,89040
2,26500
1,04030
9,38000 m de meios-fios a remover no C4



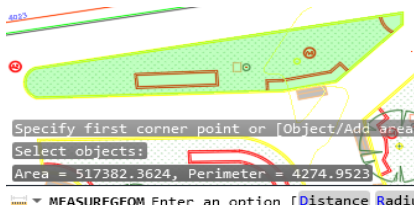
m de meios-fios a remover no C5 = 25,05000

0,05324
3,19200
2,33700
1,62040
10,57110
3,04380
3,63600
0,59810

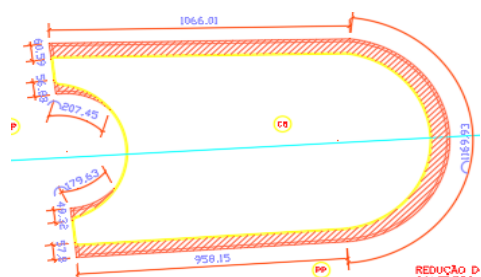


m de meios-fios a remover no C6 = 26,77000

0,40540
0,22950
3,21130
2,34590
1,58460
10,51270
0,76620
0,10120
2,49870
0,60410
3,78510
0,72660

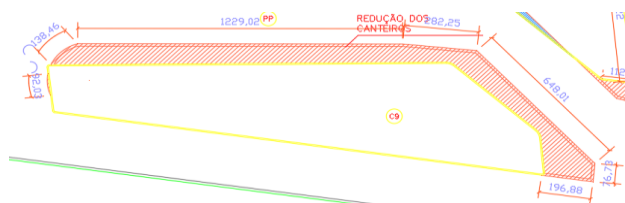


m de meios-fios a remover no C7 = 42,75



m de meios-fios a remover no C8 = 38,06000

2,07450
0,56880
0,60590
10,66010
11,69930
9,58150
0,57800
0,49320
1,79630



m de meios-fios a remover no C9 = 26,63000

0,92030
1,38460
12,29020
2,82250
6,48010
0,76730
1,96880



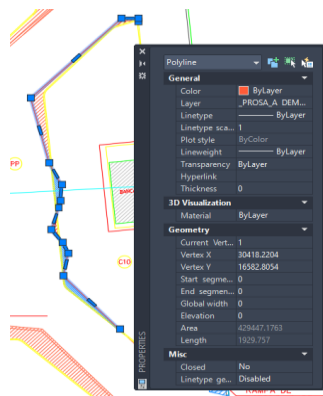
PREFEITURA MUNICIPAL DE ENTRE RIOS DE MINAS

DATA: 07/11/2025

OBRA: REFORMA DA PRAÇA ÂNGELO PANZERA E DA PRAÇA SENADOR RIBEIRO

ENDEREÇOS: PRAÇA ÂNGELO PANZERA, S/N, ENTRE A RUA ÂNGELO PANZERA E A RUA ENTRE RIOS, DISTRITO SERRA DO CAMAPUÃ, E PRAÇA SENADOR RIBEIRO, S/N, BAIRRO CENTRO - ENTRE RIOS DE MINAS/MG

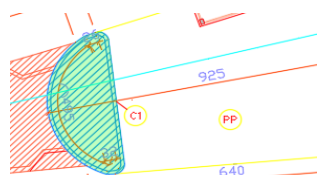
MEMÓRIA DE CÁLCULO AUXILIAR



19,29757
2,16370
0,94530
0,74520

m de meios-fios a remover no C10 = 23,15000

somatório em m de meios-fios a remover no C3, C4, C5, C6, C7, C8, C9 E C10 = 245,12

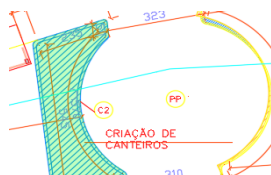


Specify first corner point or [Object/Add area/Select objects]:
Area = 64071.9556, Perimeter = 1046.5965
MEASUREGEOM Enter an option [Distance

C1 a executar

A= 6,41

P= 10,46 = meios-fios novos a instalar no C1

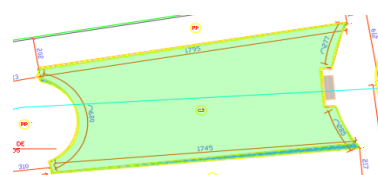


Specify first corner point or [Object/Add area/Select objects]:
Area = 111620.7586, Perimeter = 1780.8000
MEASUREGEOM Enter an option [Distance

C2 a executar

A= 11,16

P= 17,8 = meios-fios novos a instalar no C2

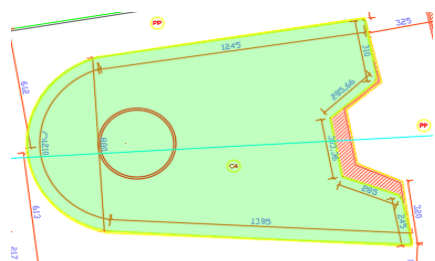


Specify first corner point or [Object/Add area/Select objects]:
Area = 1192926.7815, Perimeter = 5432.9088
MEASUREGEOM Enter an option [Distance Radius Angle Area

C3 a executar

A= 119,29

P= 54,33 = meios-fios novos a instalar no C3



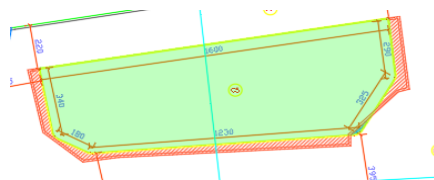
Specify first corner point or [Object/Add area/Select objects]:
Area = 1486059.2456, Perimeter = 5330.1515
MEASUREGEOM Enter an option [Distance Radius Angle

C4

A= 148,61

P= 53,3

meios-fios novos a instalar no C4= 14,29



>>Press ESC or ENTER to exit, or right-click to display Resuming MEASUREGEOM command.
Area = 774727.1375, Length = 3985.5870
MEASUREGEOM Enter an option [Distance Radius Angle

C5

A= 77,47

P= 39,86

meios-fios novos a instalar no C5= 23,65



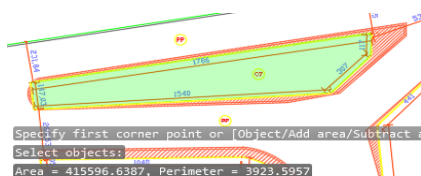
Specify first corner point or [Object/Add area/Select objects]:
Area = 761115.4713, Perimeter = 3898.2915
MEASUREGEOM Enter an option [Distance Radius Angle

C6

A= 76,11

P= 38,98

meios-fios novos a instalar no C6= 23,78

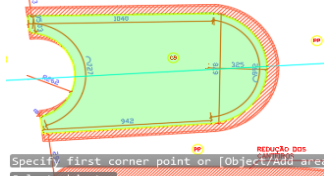


Specify first corner point or [Object/Add area/Select objects]:
Area = 415596.6387, Perimeter = 3923.5957
MEASUREGEOM Enter an option [Distance Radius Angle Area

C7

A= 41,56

P= 39,24 = m total de meios-fios novos a instalar no C7



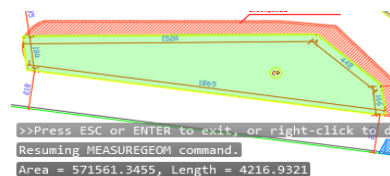
Specify first corner point or [Object/Add area/Select objects]:
Area = 785040.9364, Perimeter = 3955.0293
MEASUREGEOM Enter an option [Distance Radius Angle

C8

A= 78,50

P= 39,55

m total de meios-fios novos a instalar no C8= 34,73



>>Press ESC or ENTER to exit, or right-click to display Resuming MEASUREGEOM command.
Area = 571561.3455, Length = 4216.9321
MEASUREGEOM Enter an option [Distance Radius Angle

C9

A= 57,16

P= 42,17

m total de meios-fios novos a instalar no C9= 23,52



PREFEITURA MUNICIPAL DE ENTRE RIOS DE MINAS

DATA: 07/11/2025

OBRA: REFORMA DA PRAÇA ÂNGELO PANZERA E DA PRAÇA SENADOR RIBEIRO

ENDEREÇOS: PRAÇA ÂNGELO PANZERA, S/N, ENTRE A RUA ÂNGELO PANZERA E A RUA ENTRE RIOS, DISTRITO SERRA DO CAMAPUÃ, E PRAÇA SENADOR RIBEIRO, S/N, BAIRRO CENTRO - ENTRE RIOS DE MINAS/MG

MEMÓRIA DE CÁLCULO AUXILIAR

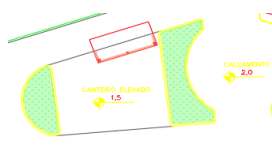
25,37 = m total de meios-fios novos a instalar no C10

267,17 = m total de meios-fios novos a instalar nos canteiros C1, C2, C3, C4, C5, C6, C7, C8, C9 e C10

375,74 = m total de meios-fios a serem pintados no entorno dos canteiros C1, C2, C3, C4, C5, C6, C7, C8, C9 e C10

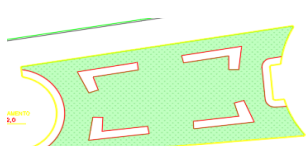
226,30 = m total de meios-fios a serem pintados no perímetro da área de intervenção deduzidos os rebaixados das rampas acessíveis

C10
A= 62,56
P= 37,73



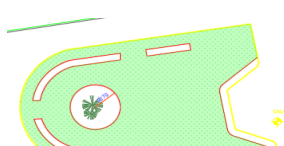
Select objects:
Select objects:
Area = 148263.7547, Perimeter = 2695.7712
MEASUREGEOM Enter an option [Distance]

Área de grama C1 e C2 (m²)= 14,83



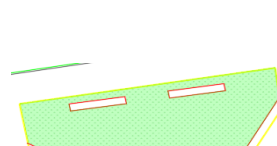
Select objects:
Select objects:
Area = 98583.3844, Perimeter = 9918.0482
MEASUREGEOM Enter an option [Distance Radius Ang]

Área de grama C3 (m²)= 98,59



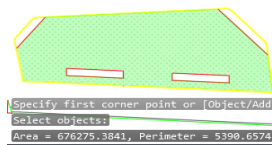
Select objects:
Select objects:
Area = 1218118.0631, Perimeter = 10929.4765
MEASUREGEOM Enter an option [Distance Radius]

Área de grama C4 (m²)= 121,81



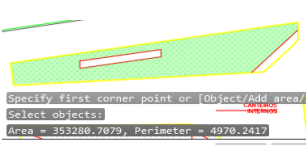
Select objects:
Select objects:
Area = 784776.1071, Perimeter = 5585.6966
MEASUREGEOM Enter an option [Distance Ra]

Área de grama C5 (m²)= 70,48



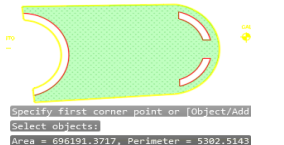
Select objects:
Select objects:
Area = 676275.3841, Perimeter = 5390.6574
MEASUREGEOM Enter an option [Distance R]

Área de grama C6 (m²)= 67,63



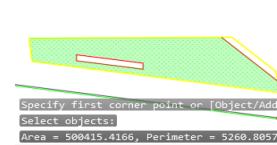
Select objects:
Select objects:
Area = 353288.7879, Perimeter = 4970.2412
MEASUREGEOM Enter an option [Distance Radiu]

Área de grama C7 (m²)= 35,33



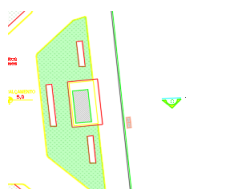
Select objects:
Select objects:
Area = 696191.3717, Perimeter = 5382.5143
MEASUREGEOM Enter an option [Distance]

Área de grama C8 (m²)= 69,62



Select objects:
Select objects:
Area = 588415.4166, Perimeter = 5268.8857
MEASUREGEOM Enter an option [Distance]

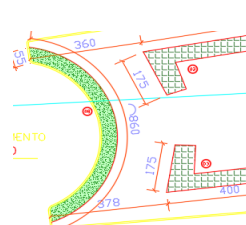
Área de grama C9 (m²)= 50,04



Select objects:
Select objects:
Area = 471958.5018, Perimeter = 6221.8641
MEASUREGEOM Enter an option [Distance]

Área de grama C10 (m²)= 47,20

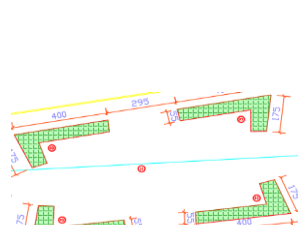
Área total de grama C1+C2+C3+C4+C5+C6+C7+C8+C9+C10 (m²)= 575,53



Select objects:
Select objects:
Area = 39035.9935, Perimeter = 1660.8259
MEASUREGEOM Enter an option [Distance]

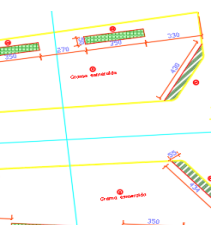
m² de Resedá = 3,90

TT 4 MUDAS



Select objects:
Select objects:
Area = 116798.7948, Perimeter = 4377.6887
MEASUREGEOM Enter an option [Distance Radius Angle]

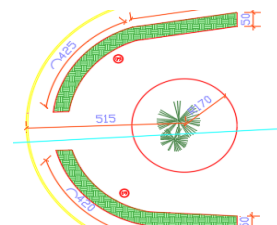
m² Coqueiro de vênus = 18,69



Select objects:
Select objects:
Area = 70800.0800, Perimeter = 3280.5801
MEASUREGEOM Enter an option [Distance]

7,00 m²

TT 32 MUDAS



Select objects:
Select objects:
Area = 78895.2453, Perimeter = 3886.6093
MEASUREGEOM Enter an option [Distance]

m² de Helicônia = 7,00

TT 20 MUDAS



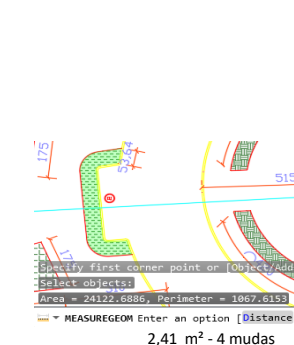
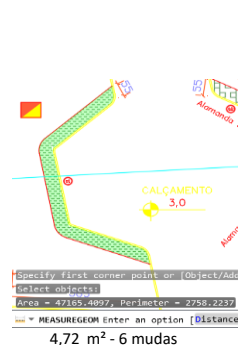
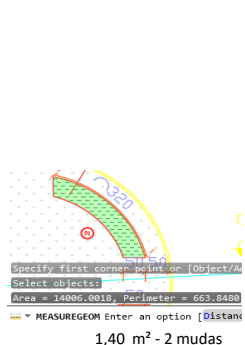
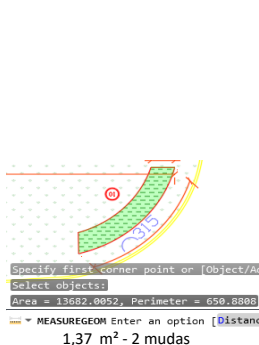
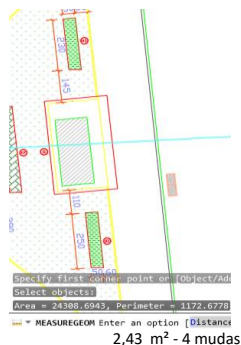
PREFEITURA MUNICIPAL DE ENTRE RIOS DE MINAS

DATA: 07/11/2025

OBRA: REFORMA DA PRAÇA ÂNGELO PANZERA E DA PRAÇA SENADOR RIBEIRO

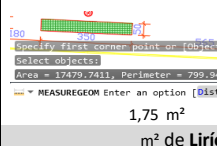
ENDEREÇOS: PRAÇA ÂNGELO PANZERA, S/N, ENTRE A RUA ÂNGELO PANZERA E A RUA ENTRE RIOS, DISTRITO SERRA DO CAMAPUÃ, E PRAÇA SENADOR RIBEIRO, S/N, BAIRRO CENTRO - ENTRE RIOS DE MINAS/MG

MEMÓRIA DE CÁLCULO AUXILIAR

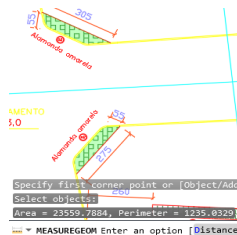
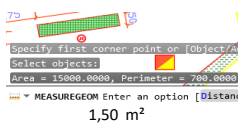


m² Manaczinho de jardim = 12,33

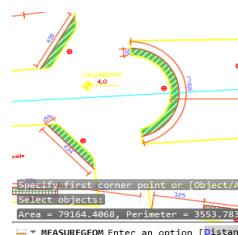
TT 18 MUDAS



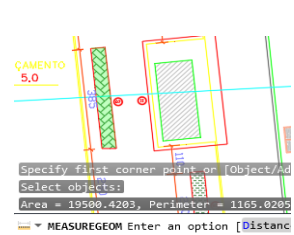
m² de Liriope = 3,25



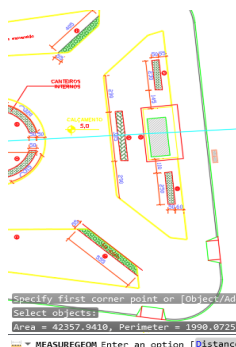
TT 6 MUDAS



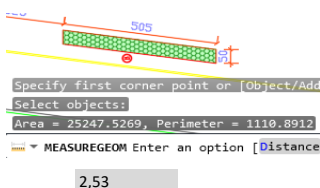
TT 22 MUDAS



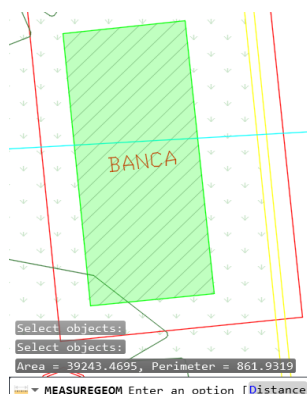
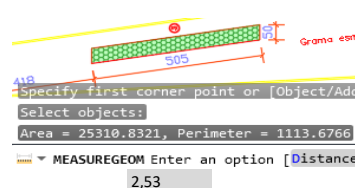
TT 5 MUDAS



TT 20 MUDAS



m² Azaleia = 5,06
TT 10 MUDAS



A= 39,24
P= 8,62

área da banca
perímetro da banca



Documento assinado digitalmente
LUANA RESENDE DE SOUSA
Data: 07/11/2025 11:39:47-0300
Verifique em <https://validar.iti.gov.br>

Luana Resende de Sousa
Arquiteta e Urbanista - CAU Nº A135599-6



Documento assinado digitalmente
IGOR MENDES TEODORO
Data: 07/11/2025 13:19:38-0300
Verifique em <https://validar.iti.gov.br>

Igor Mendes Teodoro
Arquiteto e Urbanista - CAU Nº A299859-9

THIAGO ITAMAR SANTOS
VILLACA:06256544633

Thiago Itamar Santos Villaga
Prefeito Municipal de Entre Rios de Minas

Assinado de forma digital por
THIAGO ITAMAR SANTOS
VILLACA:06256544633
Dados: 2025.11.07 13:41:43 -03'00'