

## S.S.80 – "Raccordo di Teramo"

Tratta stradale Teramo mare  
Variante alla S.S. 80 dalla A14 (Mosciano S. Angelo) alla  
S.S. 16 (Giulianova) – LOTTO IV

### PROGETTO DEFINITIVO

COD. AQ-16

#### PROGETTAZIONE:



#### PROGETTISTI:

Arch. Andreas Kipar – Ordine Arch. Milano n.13359  
Progettista e Direttore Tecnico LAND Italia Srl

#### GEOLOGO:

Geol. Roberto Pedone  
Ordine Geol. Liguria n. 183

#### RESPONSABILE DELL'INTEGRAZIONE DELLE DISCIPLINE SPECIALISTICHE:

Ing. Alessandro Aliotta  
Ordine Ingg. Genova n.7995A

#### COORDINATORE DELLA SICUREZZA:

Arch. Giorgio Villa  
Ordine Arch. Pavia n.645

#### VISTO: IL RESPONSABILE DEL PROCEDIMENTO

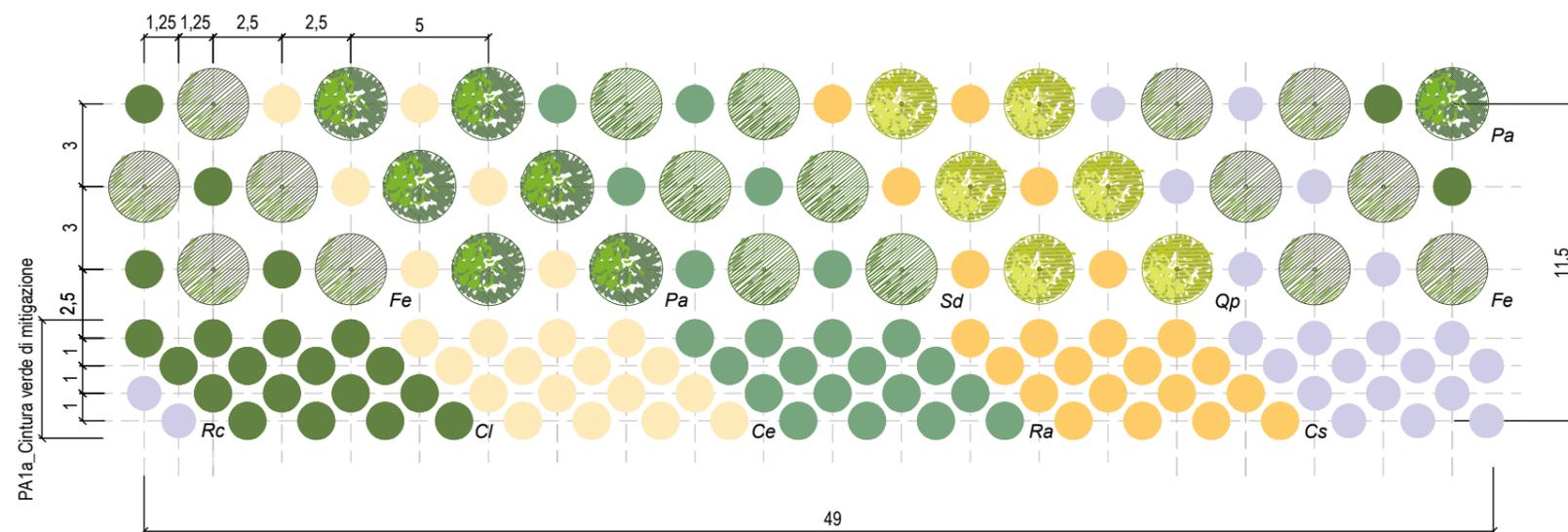
Ing. CLAUDIO BUCCI

### INSERIMENTO PAESAGGISTICO AMBIENTALE

Quaderno delle opere a verde

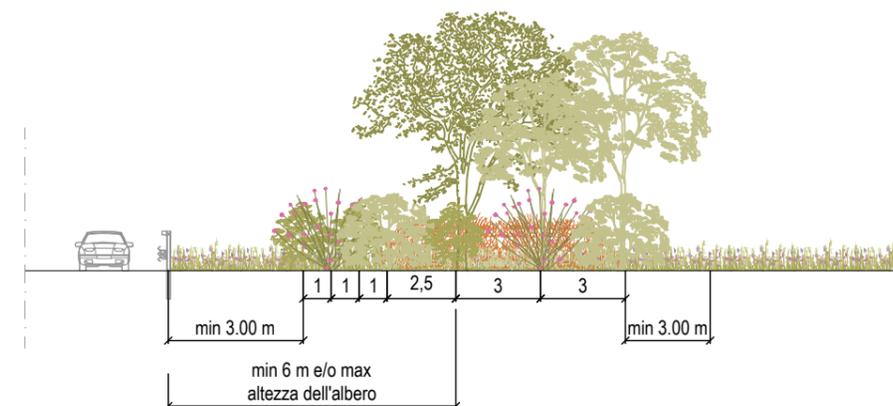
| CODICE PROGETTO |                                       | NOME FILE                   |             | REVISIONE  | SCALA:    |
|-----------------|---------------------------------------|-----------------------------|-------------|------------|-----------|
| PROGETTO        | LIV. PROG. ANNO                       | T00IA00AMBSC01_B            |             |            |           |
| DPAQ0016        | D 22                                  | CODICE ELAB. T00IA00AMBSC01 |             | B          | —         |
| C               |                                       |                             |             |            |           |
| B               | A seguito Istruttoia ANAS Luglio 2022 | Luglio 2022                 | LAND Italia | S. Martin  | A. Kipar  |
| A               | EMISSIONE                             | Aprile 2022                 | LAND Italia | S. Martin  | A. Kipar  |
| REV.            | DESCRIZIONE                           | DATA                        | REDATTO     | VERIFICATO | APPROVATO |

PA1 - INVERDIMENTO ARBOREO ARBUSTIVO PER MITIGAZIONE ECOLOGICA



LIMITE STRADALE

LIMITE PROPRIETA' PRIVATA



ALBERI

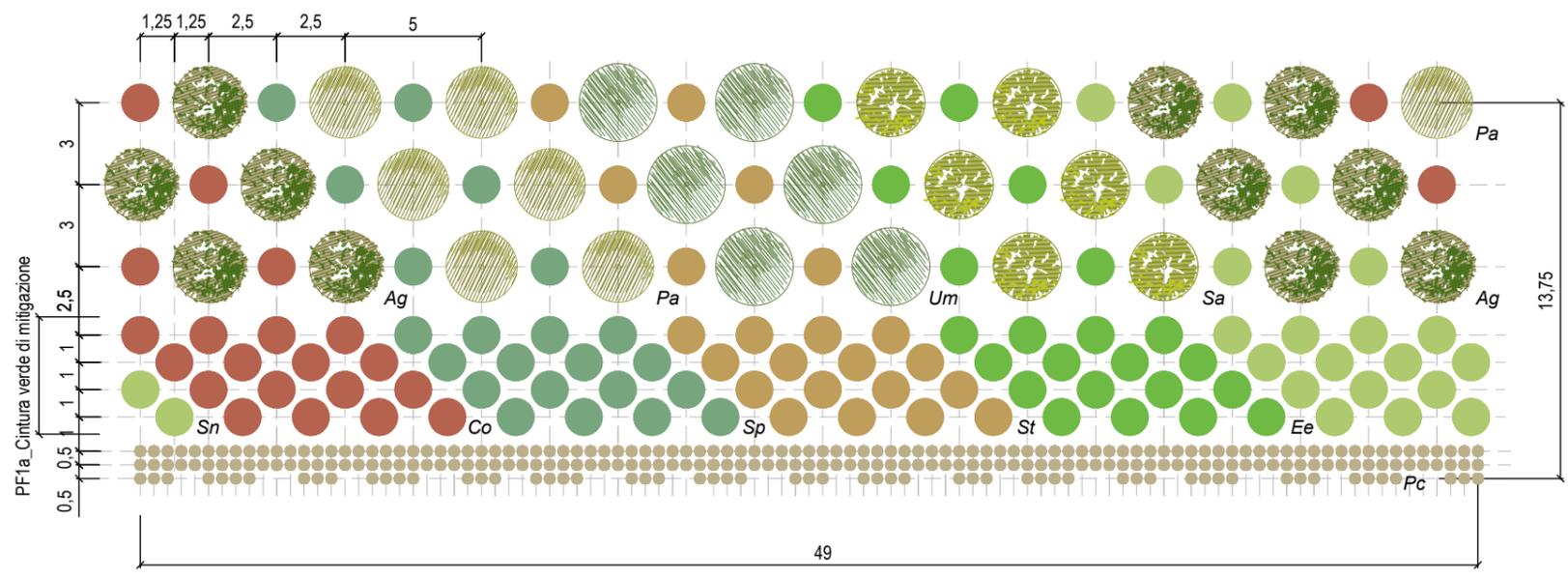
- Fraxinus excelsior*
- Populus alba*
- Quercus pubescens*
- Sorbus domestica*

ARBUSTI

- Coronilla emerus*
- Crataegus laevigata*
- Cytisus scoparius*
- Rhamnus alaternus*
- Rosa canina*

| Specie                     | Sigla | VE_01 | VE_02  | VE_03 | VE_04  | VE_05 | VE_06  | VE_07 | VE_08  | VE_09 | VE_10 | n° pte PA1    |
|----------------------------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|---------------|
| <i>Fraxinus excelsior</i>  | Fe    | 0     | 49     | 331   | 48     | 385   | 27     | 21    | 48     | 43    | 0     | 952           |
| <i>Populus alba</i>        | Pa    | 0     | 23     | 152   | 27     | 185   | 12     | 14    | 28     | 20    | 0     | 461           |
| <i>Quercus pubescens</i>   | Qp    | 0     | 27     | 159   | 30     | 198   | 15     | 9     | 17     | 18    | 0     | 473           |
| <i>Sorbus domestica</i>    | Sd    | 0     | 26     | 160   | 24     | 188   | 13     | 7     | 18     | 19    | 0     | 455           |
| <i>Coronilla emerus</i>    | Ce    | 0     | 450    | 792   | 617    | 593   | 285    | 77    | 234    | 202   | 0     | 3250          |
| <i>Crataegus laevigata</i> | Cl    | 0     | 472    | 783   | 600    | 598   | 315    | 63    | 246    | 179   | 0     | 3256          |
| <i>Cytisus scoparius</i>   | Cs    | 0     | 466    | 800   | 619    | 559   | 315    | 58    | 237    | 173   | 0     | 3227          |
| <i>Rhamnus alaternus</i>   | Ra    | 0     | 471    | 793   | 644    | 568   | 311    | 66    | 236    | 178   | 0     | 3267          |
| <i>Rosa canina</i>         | Rc    | 0     | 450    | 778   | 587    | 554   | 287    | 53    | 226    | 168   | 0     | 3103          |
| Area Tot. chiome (mq)      |       | 0     | 4088,5 | 9929  | 5245,5 | 9088  | 2604,5 | 730,5 | 2323,5 | 1850  | 0     | 35859,5       |
| <b>N ° totale piante</b>   |       | 0     | 2434   | 4748  | 3196   | 3828  | 1580   | 368   | 1290   | 1000  | 0     | <b>18.444</b> |

PF1 - INVERDIMENTO ARBOREO ARBUSTIVO PER MITIGAZIONE ECOLOGICA



LIMITE AREA DI INTERVENTO



ALBERI

-  *Ag* *Alnus glutinosa*
-  *Pa* *Populus alba*
-  *Sa* *Salix alba*
-  *Um* *Ulmus minor*

ARBUSTI

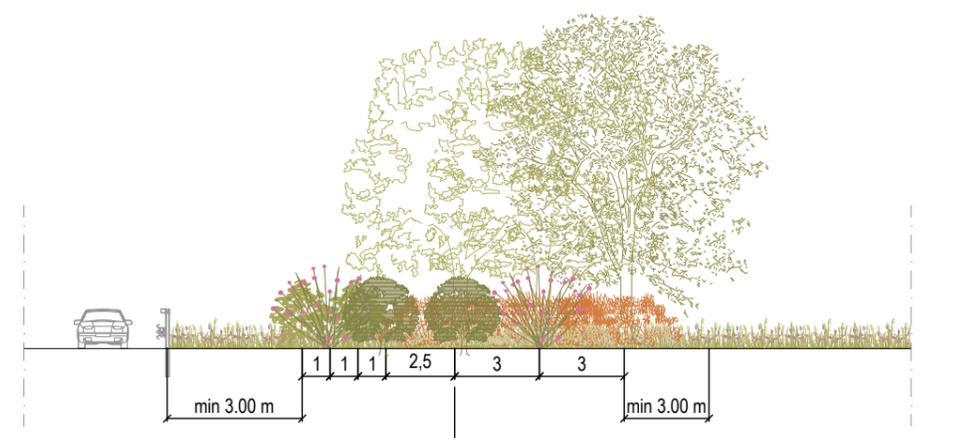
-  *Co* *Cornus mas*
-  *Ee* *Euonymus europaeus*
-  *Sp* *Salix purpurea*
-  *St* *Salix triandra*
-  *Sn* *Sambucus nigra*

ERBACEE

-  *Pc* *Phragmites communis*

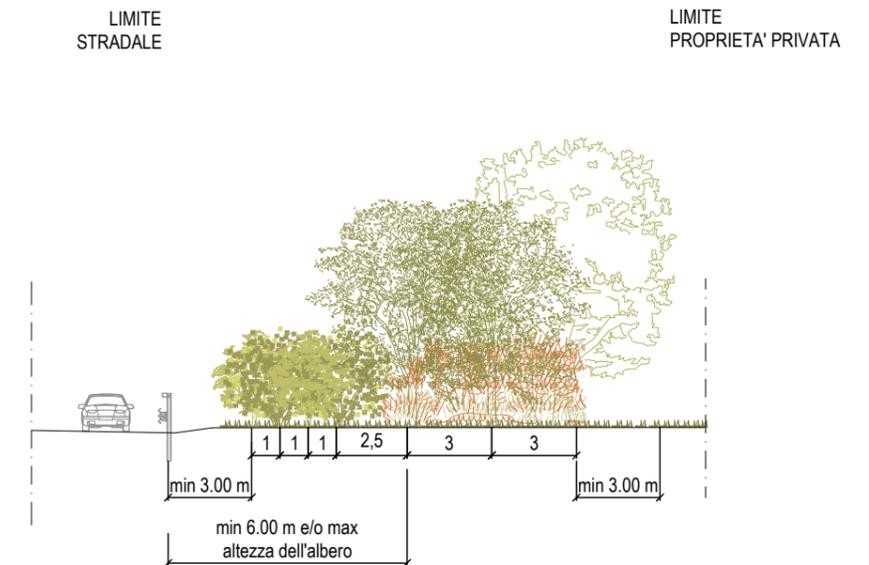
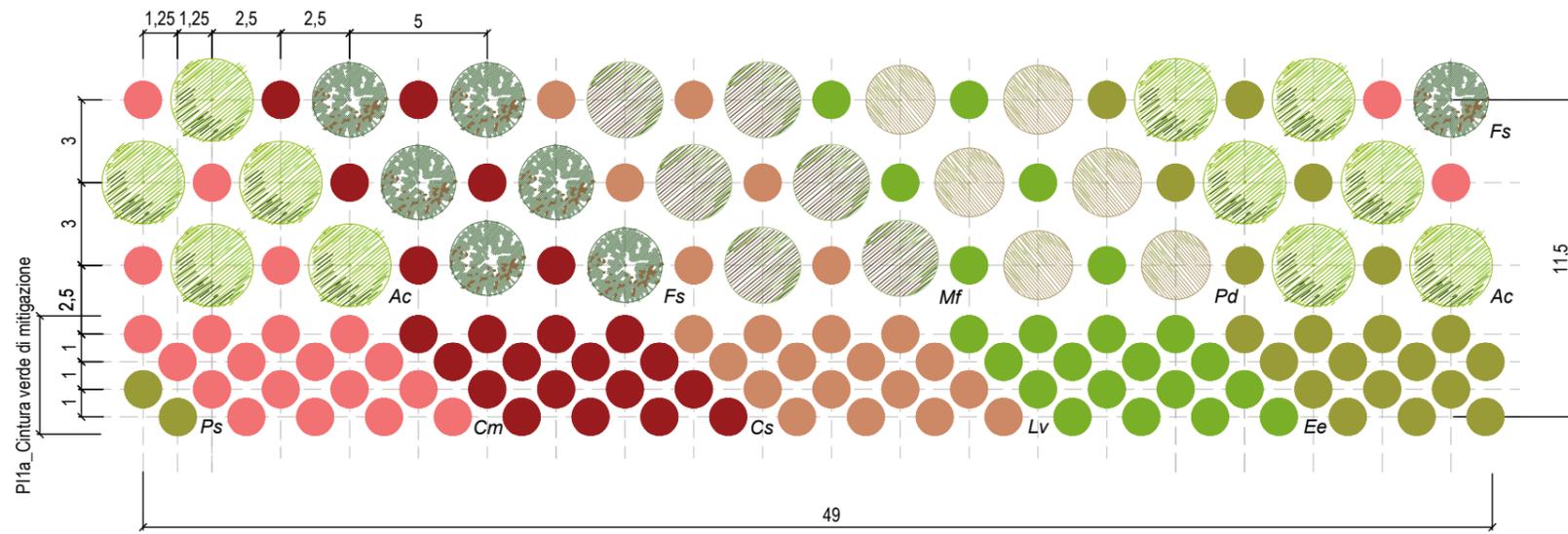
LIMITE STRADALE

LIMITE PROPRIETA' PRIVATA



| Specie                     | Sigla | VE_01 | VE_02 | VE_03 | VE_04  | VE_05 | VE_06  | VE_07 | VE_08 | VE_09 | VE_10 | n° pte PF2   |
|----------------------------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|--------------|
| <i>Alnus glutinosa</i>     | Ag    | 0     | 121   | 139   | 27     | 26    | 63     | 0     | 54    | 0     | 21    | 451          |
| <i>Populus alba</i>        | Pa    | 0     | 64    | 81    | 9      | 17    | 26     | 0     | 28    | 0     | 8     | 233          |
| <i>Salix alba</i>          | Sa    | 0     | 51    | 79    | 15     | 29    | 26     | 0     | 37    | 0     | 10    | 247          |
| <i>Ulmus minor</i>         | Um    | 0     | 53    | 78    | 10     | 29    | 22     | 0     | 33    | 0     | 10    | 235          |
| <i>Cornus mas</i>          | Co    | 0     | 165   | 129   | 61     | 60    | 83     | 0     | 21    | 0     | 10    | 529          |
| <i>Euonymus europaeus</i>  | Ee    | 0     | 146   | 139   | 74     | 62    | 90     | 0     | 35    | 0     | 10    | 556          |
| <i>Salix purpurea</i>      | Sp    | 0     | 170   | 141   | 59     | 59    | 51     | 0     | 24    | 0     | 7     | 511          |
| <i>Salix triandra</i>      | St    | 0     | 156   | 142   | 69     | 62    | 57     | 0     | 31    | 0     | 10    | 527          |
| <i>Sambucus nigra</i>      | Sn    | 0     | 149   | 109   | 65     | 52    | 88     | 0     | 35    | 0     | 12    | 510          |
| <i>Phragmites communis</i> | Pc    | 0     | 0     | 472   | 869    | 0     | 0      | 0     | 0     | 0     | 0     | 1341         |
| Area Tot. chiome (mq)      |       | 0     | 2624  | 3111  | 1231,5 | 947,5 | 1238,5 | 0     | 979   | 0     | 318,5 | 10450        |
| <b>N ° totale piante</b>   |       | 0     | 1075  | 1509  | 1258   | 396   | 506    | 0     | 298   | 0     | 98    | <b>5.140</b> |

PI1 - INVERDIMENTO ARBOREO ARBUSTIVO PER MITIGAZIONE ECOLOGICA



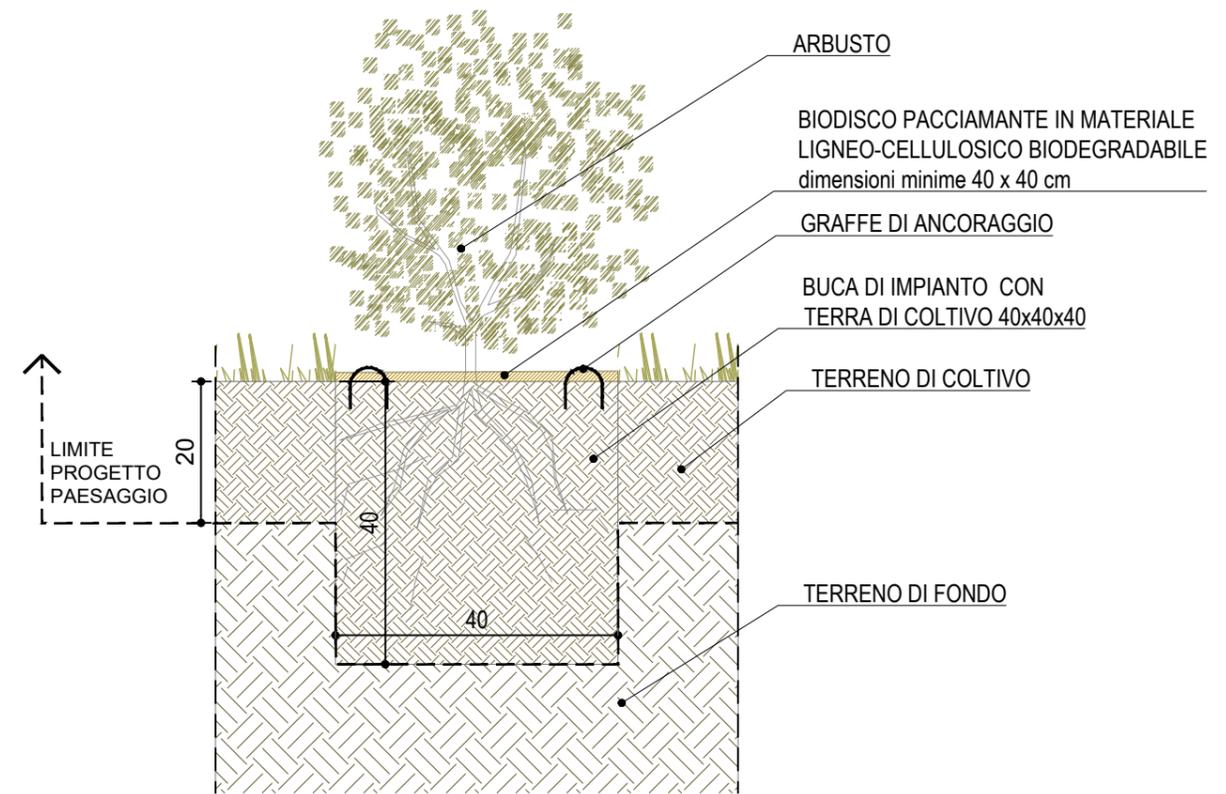
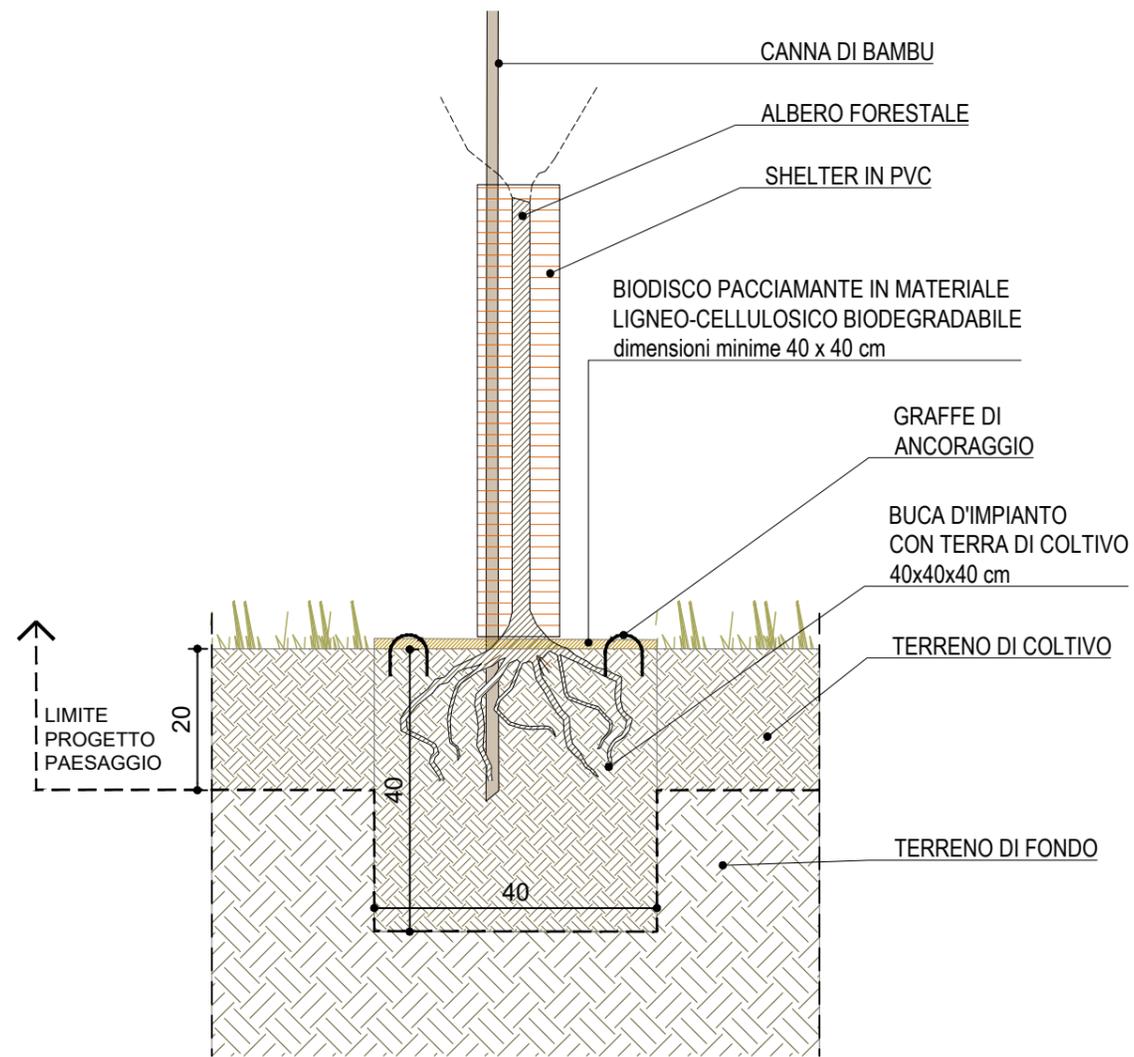
ALBERI

- Ac *Acer campestre*
- Fs *Fagus sylvatica "Purpurea"*
- Mf *Malus floribunda*
- Pd *Prunus padus*

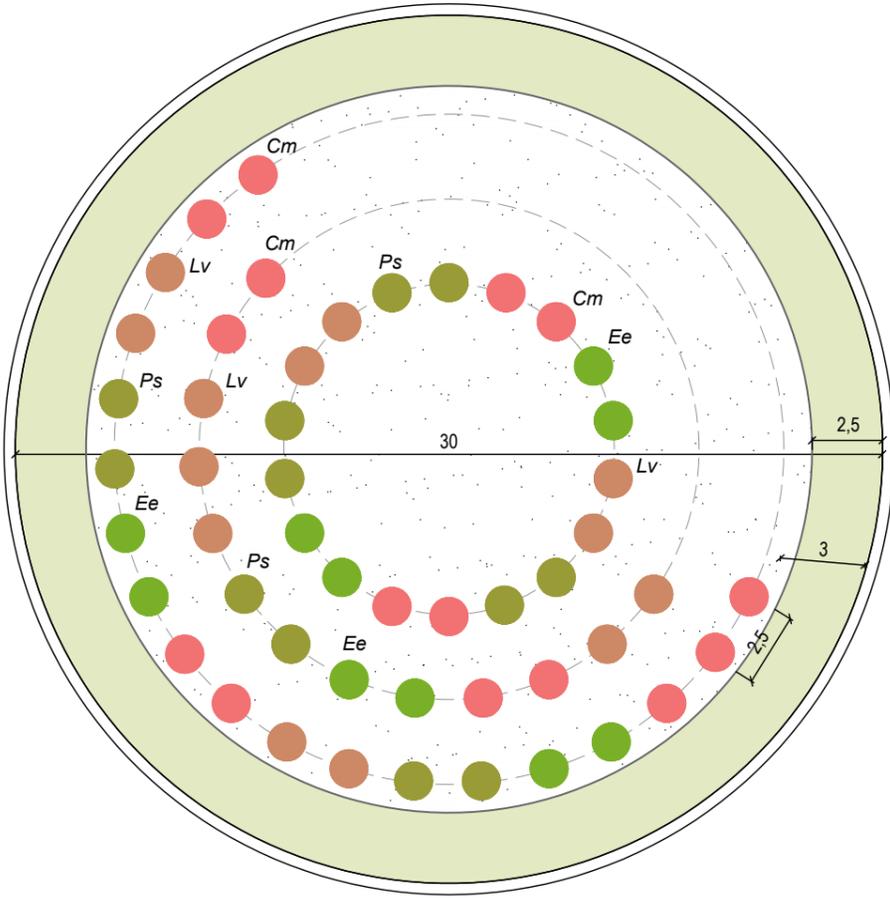
ARBUSTI

- Cs *Cornus sanguinea*
- Cm *Crataegus monogyna*
- Ee *Euonymus europaeus*
- Lv *Ligustrum vulgare*
- Ps *Prunus spinosa*

| Specie                    | Sigla | VE_01 | VE_02 | VE_03 | VE_04 | VE_05 | VE_06 | VE_07 | VE_08 | VE_09 | VE_10 | n° pte PI1 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| <i>Acer campestre</i>     | Ac    | 0     | 0     | 0     | 0     | 0     | 0     | 20    | 0     | 0     | 0     | 20         |
| <i>"Purpurea"</i>         | Fs    | 0     | 0     | 0     | 0     | 0     | 0     | 12    | 0     | 0     | 0     | 12         |
| <i>Malus floribunda</i>   | Mf    | 0     | 0     | 0     | 0     | 0     | 0     | 9     | 0     | 0     | 0     | 9          |
| <i>Prunus padus</i>       | Pd    | 0     | 0     | 0     | 0     | 0     | 0     | 8     | 0     | 0     | 0     | 8          |
| <i>Cornus sanguinea</i>   | Cs    | 0     | 0     | 0     | 0     | 0     | 0     | 72    | 0     | 0     | 0     | 72         |
| <i>Crataegus monogyna</i> | Cm    | 0     | 0     | 0     | 0     | 0     | 0     | 60    | 0     | 0     | 0     | 60         |
| <i>Euonymus europaeus</i> | Ee    | 0     | 0     | 0     | 0     | 0     | 0     | 56    | 0     | 0     | 0     | 56         |
| <i>Ligustrum vulgare</i>  | Lv    | 0     | 0     | 0     | 0     | 0     | 0     | 67    | 0     | 0     | 0     | 67         |
| <i>Prunus spinosa</i>     | Ps    | 0     | 0     | 0     | 0     | 0     | 0     | 56    | 0     | 0     | 0     | 56         |
| Area Tot. (mq)            |       | 0     | 0     | 0     | 0     | 0     | 0     | 711,5 | 0     | 0     | 0     | 711,5      |
| <b>N ° totale piante</b>  |       | 0     | 0     | 0     | 0     | 0     | 0     | 360   | 0     | 0     | 0     | <b>360</b> |



PI2 - INVERDIMENTO ARBUSTIVO

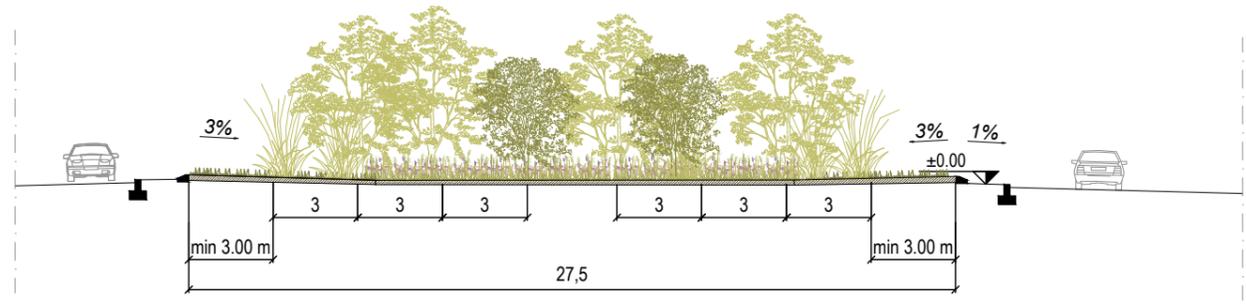


ARBUSTI

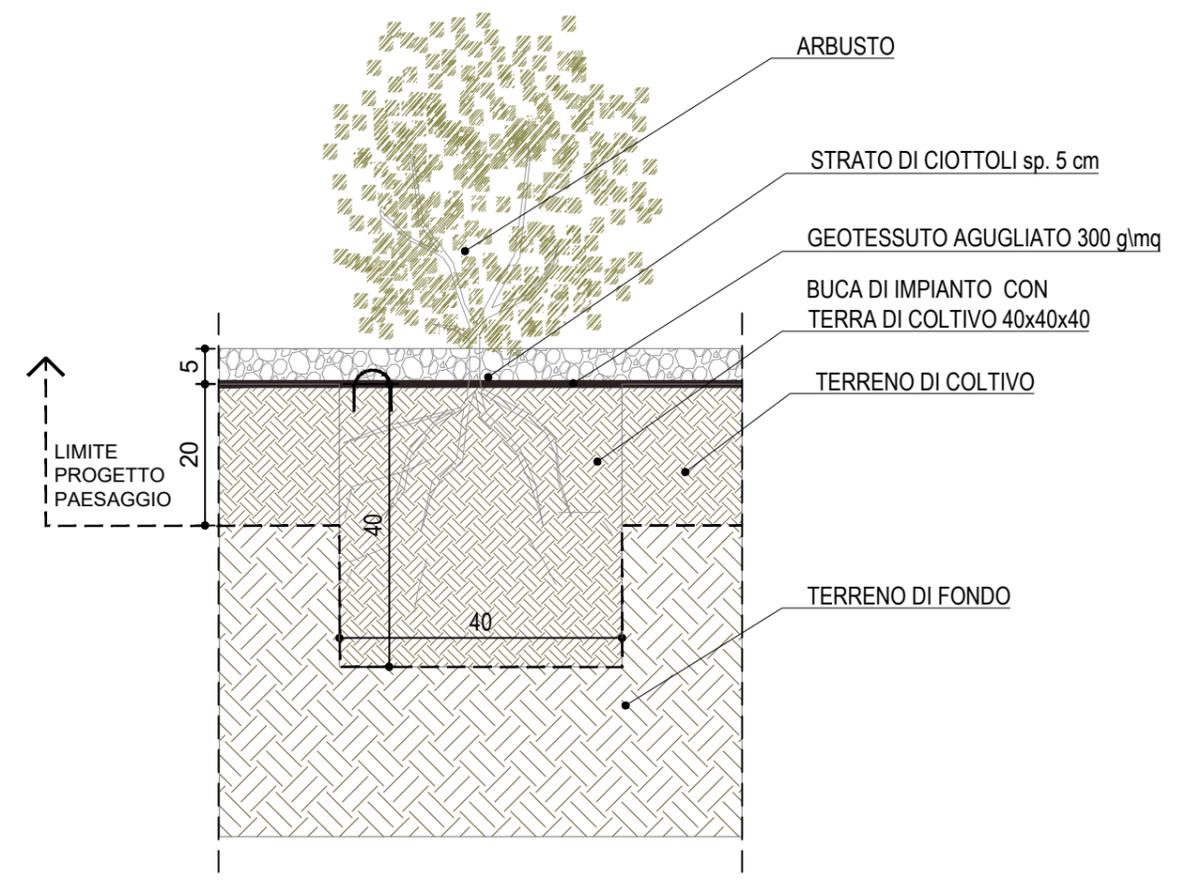
- Cm *Crataegus monogyna*
- Ee *Euonymus europaeus*
- Lv *Ligustrum vulgare*
- Ps *Prunus spinosa*

LIMITE STRADALE

LIMITE STRADALE



| Specie                    | Sigla | VE_01 | VE_02 | VE_03 | VE_04 | VE_05 | VE_06 | VE_07 | VE_08 | VE_09 | VE_10 | n° pte PI2 |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| <i>Crataegus monogyna</i> | Cm    | 0     | 0     | 0     | 0     | 15    | 0     | 19    | 0     | 0     | 15    | 49         |
| <i>Euonymus europaeus</i> | Ee    | 0     | 0     | 0     | 0     | 10    | 0     | 14    | 0     | 0     | 10    | 34         |
| <i>Ligustrum vulgare</i>  | Lv    | 0     | 0     | 0     | 0     | 13    | 0     | 17    | 0     | 0     | 13    | 43         |
| <i>Prunus spinosa</i>     | Ps    | 0     | 0     | 0     | 0     | 12    | 0     | 18    | 0     | 0     | 12    | 42         |
| Area Tot. (mq)            |       | 0     | 0     | 0     | 0     | 75    | 0     | 102   | 0     | 0     | 75    | 252        |
| N ° totale piante         |       | 0     | 0     | 0     | 0     | 50    | 0     | 68    | 0     | 0     | 50    | 168        |

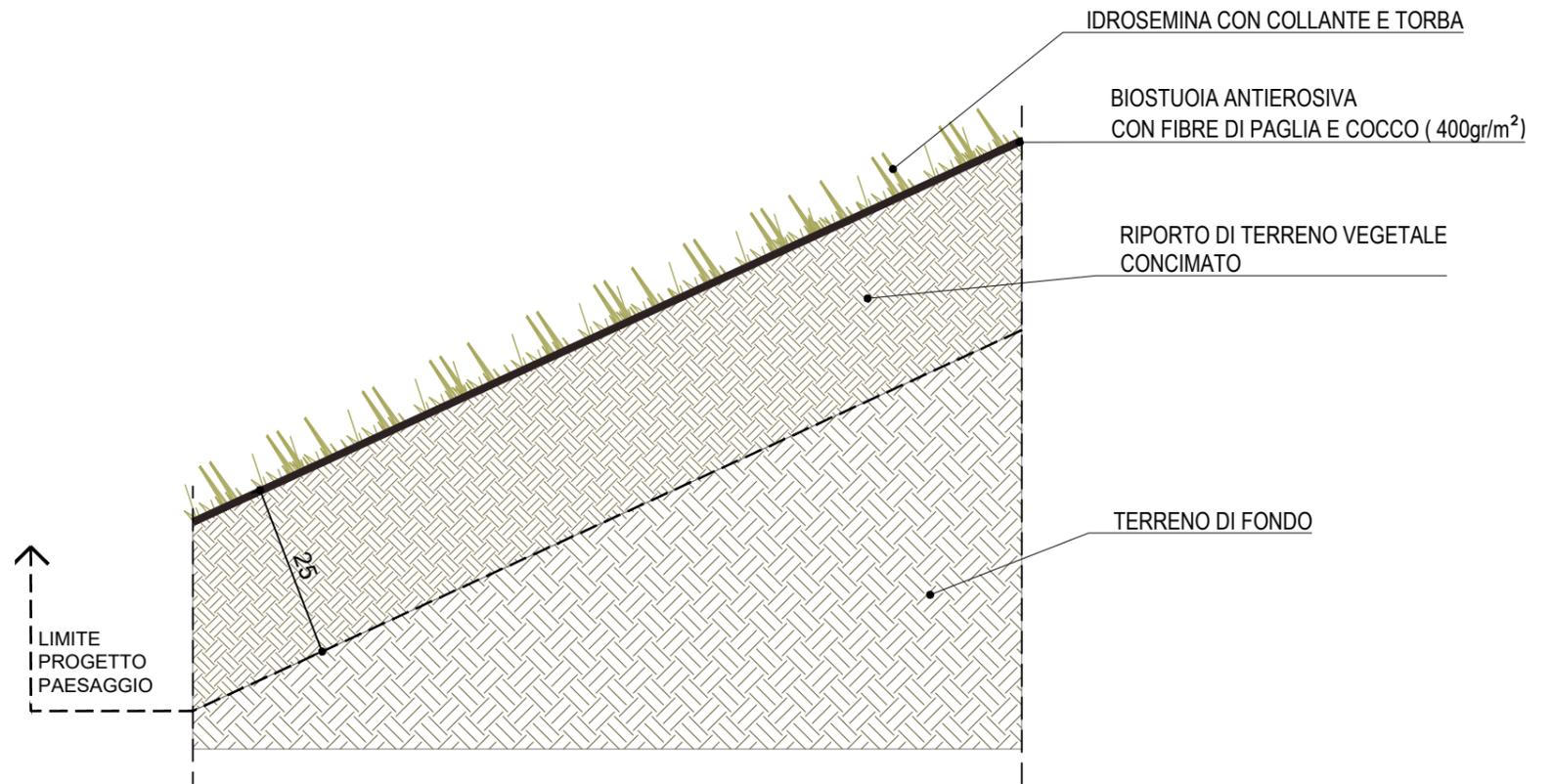
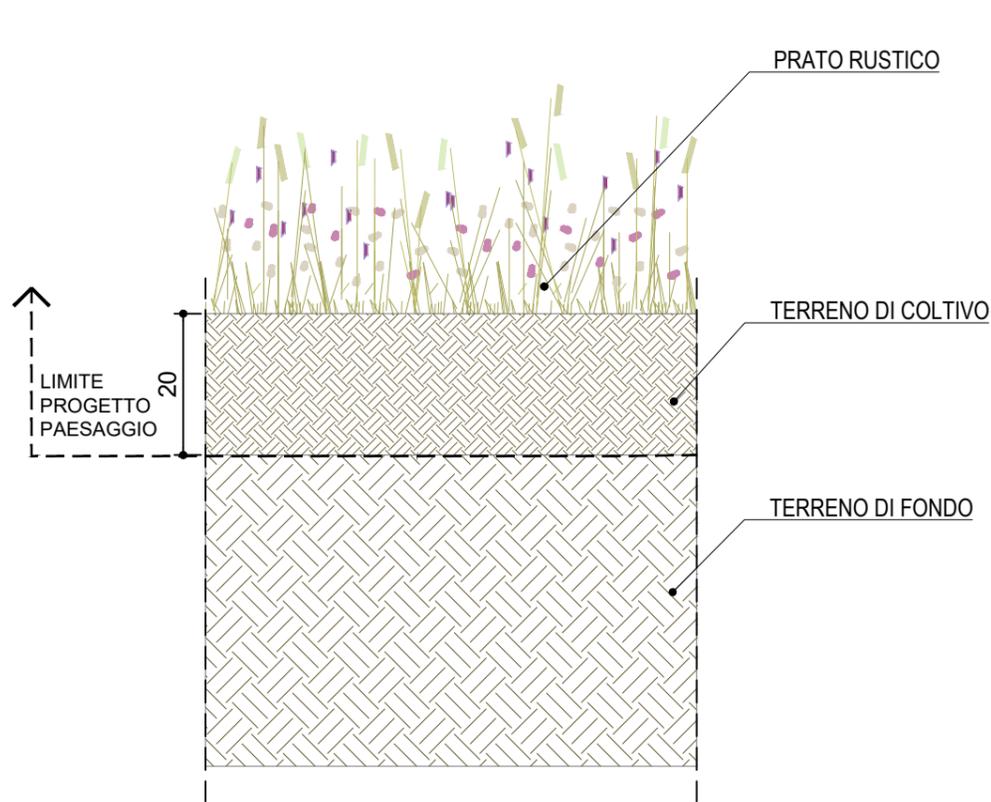


05 PRATO RUSTICO

| INR-Prato      |                |
|----------------|----------------|
| Area Tot. (mq) | <b>127.239</b> |
| VE_01          | 5005           |
| VE_02          | 19522          |
| VE_03          | 22913          |
| VE_04          | 13237          |
| VE_05          | 30587          |
| VE_06          | 10169          |
| VE_07          | 4632           |
| VE_08          | 11680          |
| VE_09          | 4541           |
| VE_10          | 4953           |

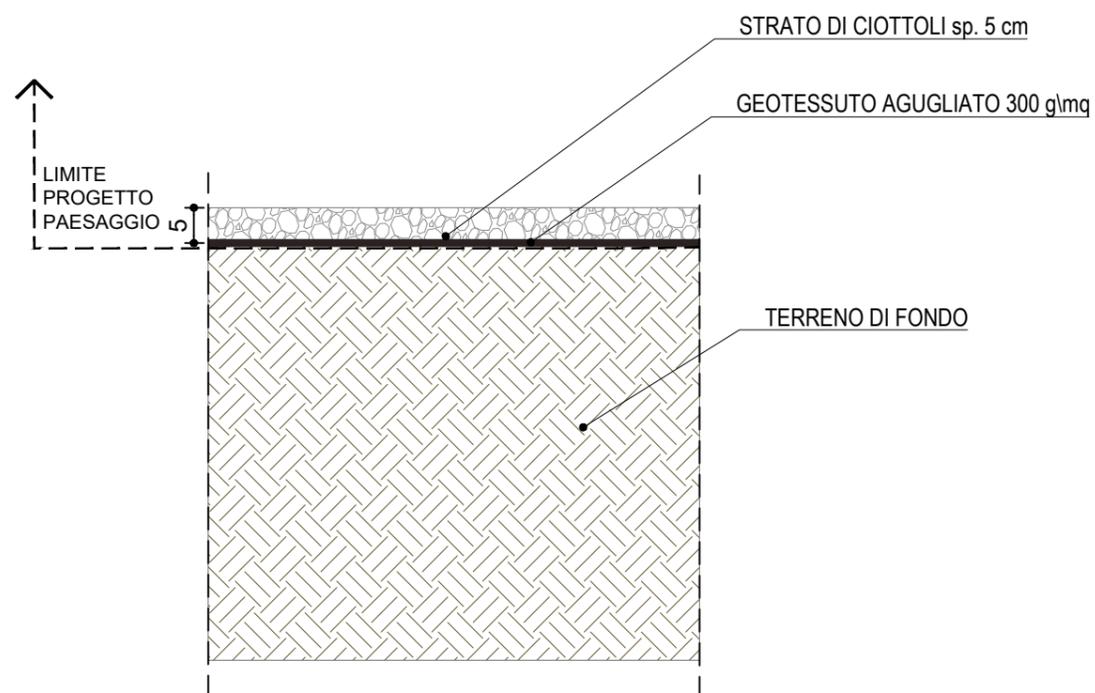
06 PRATO RUSTICO SU SACRPATA

| INS - Prato idrosemina |                |
|------------------------|----------------|
| Area Tot. (mq)         | <b>103.004</b> |
| VE_01                  | 2319           |
| VE_02                  | 13047          |
| VE_03                  | 20978          |
| VE_04                  | 15123          |
| VE_05                  | 19940          |
| VE_06                  | 10138          |
| VE_07                  | 3672           |
| VE_08                  | 6131           |
| VE_09                  | 5528           |
| VE_10                  | 2740           |



07 PAVIMENTAZIONE IN GHIAIA

| PIG-Ghiaia     |       |
|----------------|-------|
| Area Tot. (mq) | 1.694 |
| VE_01          | 0     |
| VE_02          | 0     |
| VE_03          | 0     |
| VE_04          | 0     |
| VE_05          | 520   |
| VE_06          | 0     |
| VE_07          | 656   |
| VE_08          | 0     |
| VE_09          | 0     |
| VE_10          | 518   |



08 PRATO RUSTICO  
RIPRISTINO AREE CANTIERE

| INC-Prato ripristino |         |
|----------------------|---------|
| Area Tot. (mq)       | 139.532 |
| VE_01                | 23972   |
| VE_02                | 25216   |
| VE_03                | 0       |
| VE_04                | 0       |
| VE_05                | 12640   |
| VE_06                | 7585    |
| VE_07                | 18994   |
| VE_08                | 4293    |
| VE_09                | 34200   |
| VE_10                | 12632   |

