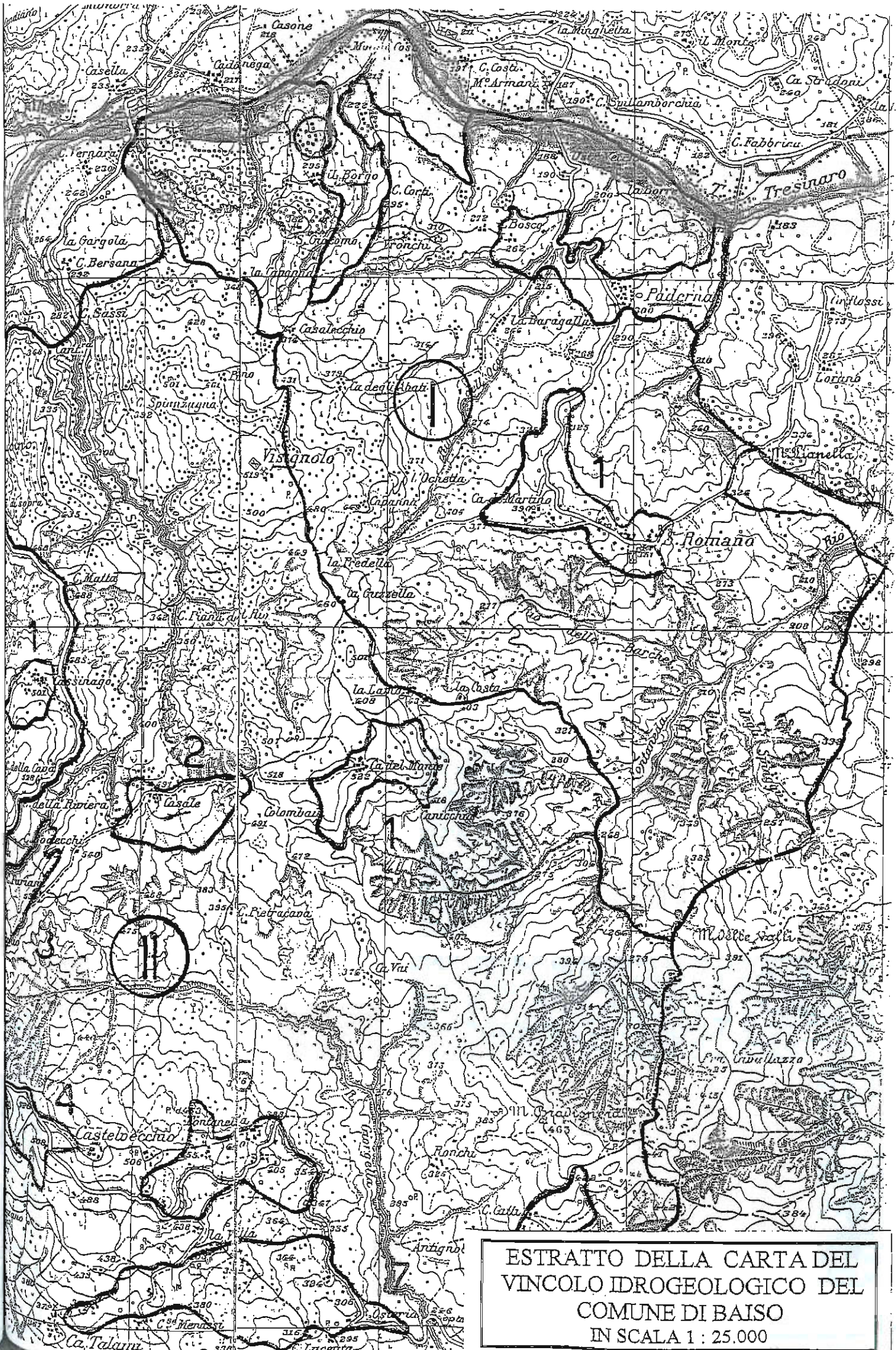


COMUNE DI BAISO
Provincia di Reggio Emilia

BAI 02

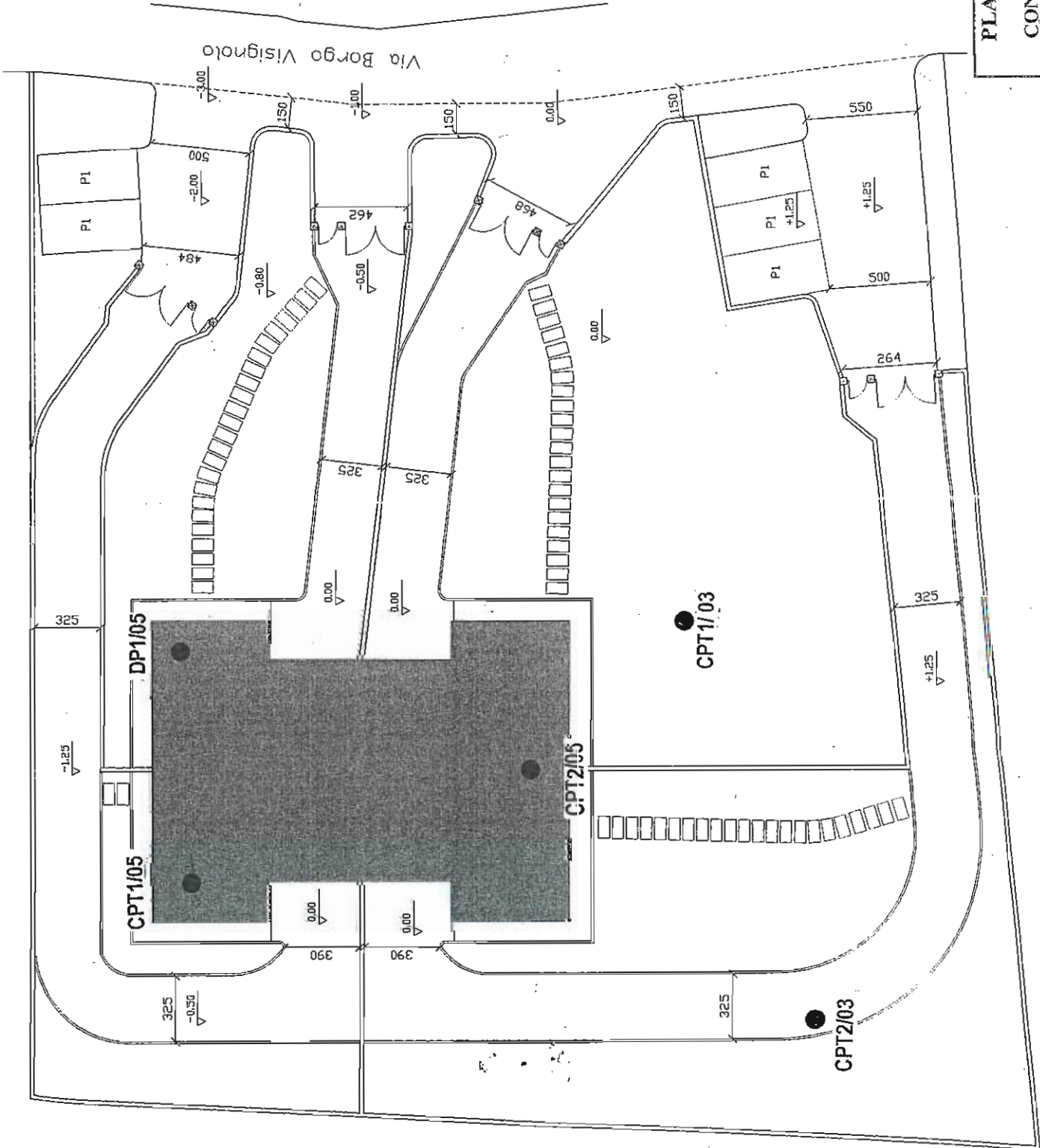
CENTROGEO SURVEY SNC

42015 Correggio (RE) - Piazza S. Quirino, 6 - tel 0522/641001 - Fax: 632162

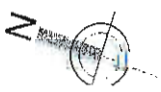


ESTRATTO DELLA CARTA DEL
VINCOLO IDROGEOLOGICO DEL
COMUNE DI BAISSO
IN SCALA 1 : 25.000

PLANIMETRIA DI PROGETTO
CON UBICAZIONE DELLE PROVE
PENETROMETRICHE



Planimetria Area Cortiliva



**PROVA PENETROMETRICA STATICA
LETTURE DI CAMPAGNA / VALORI DI RESISTENZA**

CPT 1

3:010496-121

| | | | |
|---------------------|-------------------|------------------|--------------------|
| - committente: | Grassi Gianfranco | - data prova : | 10/03/2003 |
| - lavoro: | | - quota inizio : | Piano Campagna |
| - località: | Borgo di Baiso | - prof. falda : | Falda non rilevata |
| - resp. cantiere: | | - data emiss. : | 11/03/2003 |
| - assist. cantiere: | | | |

| prf | LP | LL | Rp | RL | Rp/RI | prf | LP | LL | Rp | RL | Rp/RI |
|------|--------------------|--------------------|--------------------|--------------------|-------|------|--------------------|--------------------|--------------------|--------------------|-------|
| m | Kg/cm ² | Kg/cm ² | Kg/cm ² | Kg/cm ² | - | m | Kg/cm ² | Kg/cm ² | Kg/cm ² | Kg/cm ² | - |
| 0,20 | 18,0 | 27,0 | 18,0 | 0,60 | 30,0 | 2,20 | 54,0 | 127,0 | 54,0 | 1,60 | 34,0 |
| 0,40 | 8,0 | 17,0 | 8,0 | 0,87 | 9,0 | 2,40 | 91,0 | 115,0 | 91,0 | 3,67 | 25,0 |
| 0,60 | 8,0 | 21,0 | 8,0 | 0,67 | 12,0 | 2,60 | 65,0 | 120,0 | 65,0 | 3,53 | 18,0 |
| 0,80 | 11,0 | 21,0 | 11,0 | 0,60 | 18,0 | 2,80 | 67,0 | 120,0 | 67,0 | 6,00 | 11,0 |
| 1,00 | 14,0 | 23,0 | 14,0 | 0,60 | 23,0 | 3,00 | 60,0 | 150,0 | 60,0 | 2,67 | 22,0 |
| 1,20 | 12,0 | 21,0 | 12,0 | 0,60 | 20,0 | 3,20 | 140,0 | 180,0 | 140,0 | 8,00 | 18,0 |
| 1,40 | 13,0 | 22,0 | 13,0 | 0,80 | 16,0 | 3,40 | 150,0 | 270,0 | 150,0 | 8,00 | 19,0 |
| 1,60 | 16,0 | 28,0 | 16,0 | 1,27 | 13,0 | 3,60 | 200,0 | 320,0 | 200,0 | 9,33 | 21,0 |
| 1,80 | 14,0 | 33,0 | 14,0 | 5,40 | 3,0 | 3,80 | 230,0 | 370,0 | 230,0 | 10,00 | 23,0 |
| 2,00 | 69,0 | 150,0 | 69,0 | 4,87 | 14,0 | 4,00 | 200,0 | 350,0 | 200,0 | --- | --- |

- PENETROMETRO STATICO tipo da 0 t - (senza anello allargatore) -
 - COSTANTE DI TRASFORMAZIONE Ct = 10 - Velocità Avanzamento punta 2 cm/s
 - punta meccanica tipo Begemann ø = 35.7 mm (area punta 10 cm² - apertura 60°)
 - manicotto laterale (superficie 150 cm²)

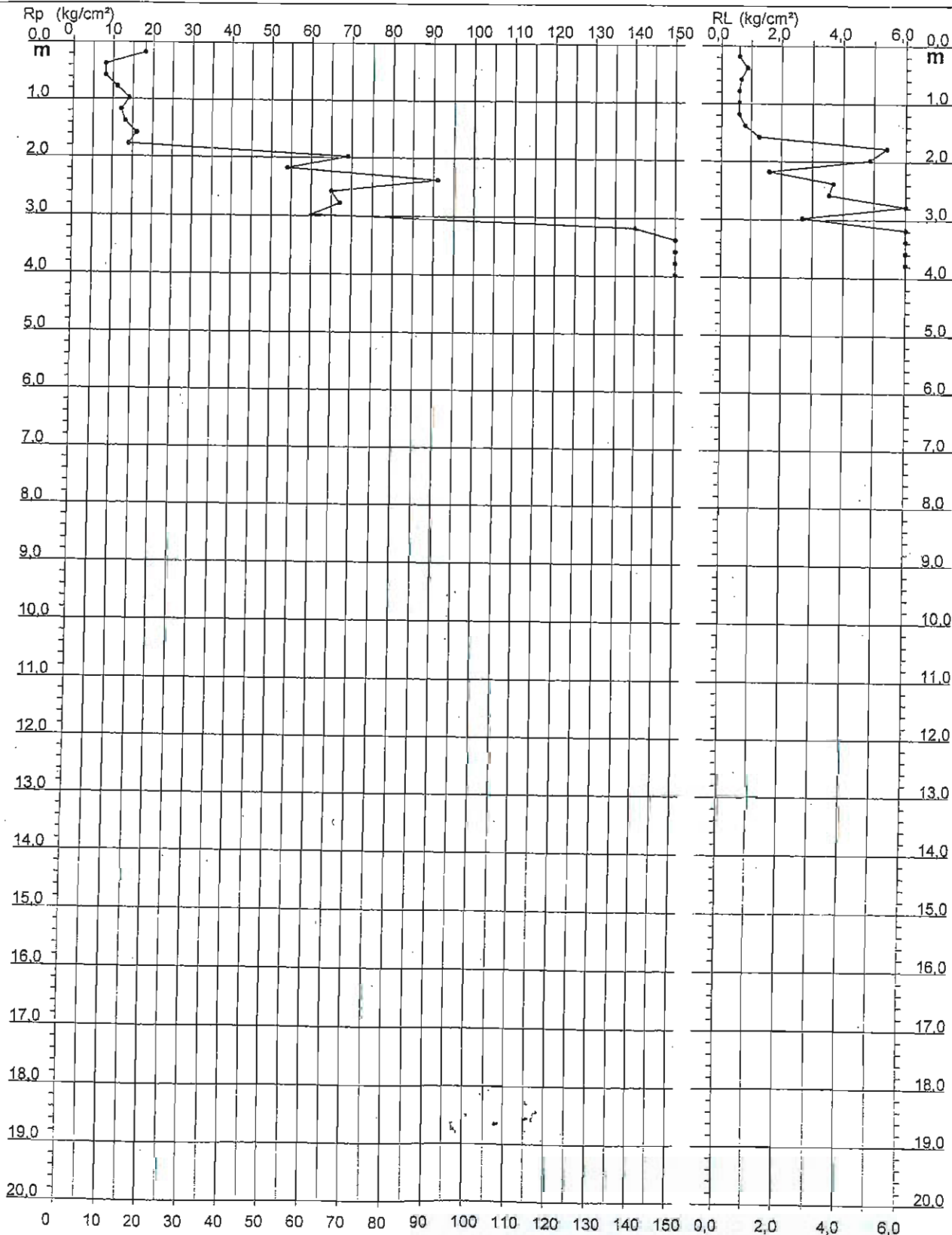
PROVA PENETROMETRICA STATICA DIAGRAMMA DI RESISTENZA

CPT 1

3.010496-121

- committente: Grassi Gianfranco
- lavoro: Borgo di Baiso
- località: Borgo di Baiso
- resp. cantiere:
- assist. cantiere:

- data prova : 10/03/2003
- quota inizio : Piano Campagna
- prof. falda : Falda non rilevata
- scala vert.: 1 : 100
- data emiss. : 11/03/2003



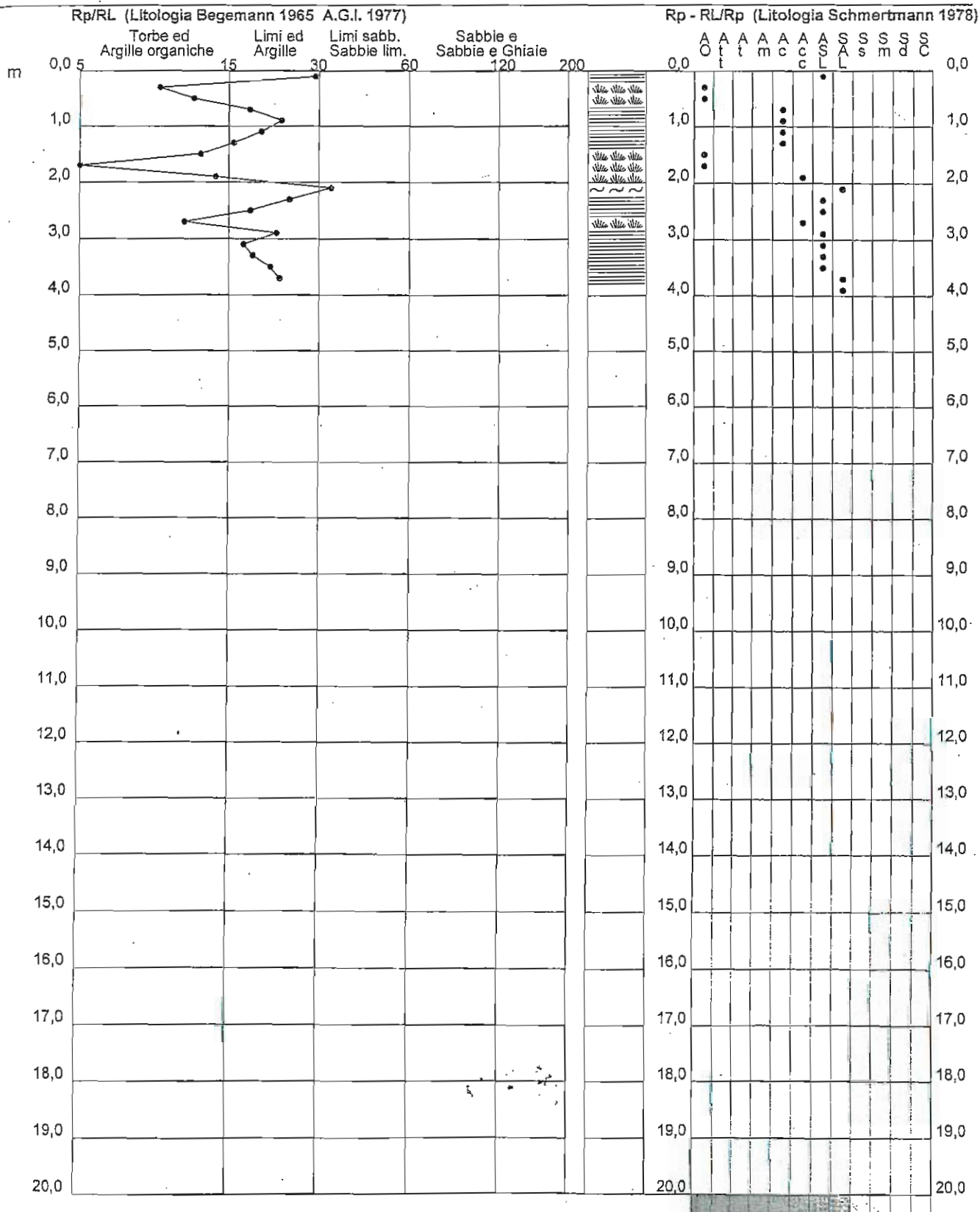
**PROVA PENETROMETRICA STATICA
VALUTAZIONI LITOLOGICHE**

CPT 1

3.010496-121

- committente: Grassi Gianfranco
- lavoro:
- località: Borgo di Baiso
- resp. cantiere:
- assist. cantiere:

- data prova : 10/03/2003
- quota inizio : Piano Campagna
- prof. falda : Falda non rilevata
- scala vert. : 1 : 100
- data emiss. : 11/03/2003



**PROVA PENETROMETRICA STATICA
TABELLA PARAMETRI GEOTECNICI**

CPT 1

3:010496-121

- committente: Grassi Gianfranco
- lavoro:
- località: Borgo di Baiso
- resp. cantiere:
- assist. cantiere:

- data prova : 10/03/2003
- quota inizio : Piano Campagna
- prof. falda : Falda non rilevata
- data emiss. : 11/03/2003

| Prof. m. | Rp kg/cm² | Rp/RI (-) | Natura Litol. | Y l/m² | NATURA COESIVA | | | | | NATURA GRANULARE | | | | | | | | | | | |
|-------------|--------------|--------------|------------------|-----------|----------------|--------------|------------|----------------|----------------|------------------|---------|------------|------------|------------|------------|------------|------------|---------------|----------------|----------------|--------------|
| | | | | | p'vo kg/cm² | Cu kg/cm² | OCR (-) | Eu50 kg/cm² | Eu25 kg/cm² | Mo kg/cm² | Dr % | σ1s (°) | σ2s (°) | σ3s (°) | σ4s (°) | σdm (°) | σmy (°) | Amax/g (-) | E'50 kg/cm² | E'25 kg/cm² | Mo kg/cm² |
| 0,20 | 18 | 30 | 4t:: | 1,85 | 0,04 | 0,75 | 99,9 | 128 | 191 | 56 | 93 | 41 | 42 | 44 | 45 | 44 | 27 | 0,235 | 30 | 45 | 54 |
| 0,40 | 8 | 9 | 2t:: | 1,85 | 0,07 | 0,40 | 51,7 | 86 | 102 | 35 | - | - | - | - | - | - | - | - | - | - | - |
| 0,60 | 8 | 12 | 2t:: | 1,85 | 0,11 | 0,40 | 31,2 | 68 | 102 | 35 | - | - | - | - | - | - | - | - | - | - | - |
| 0,80 | 11 | 18 | 2t:: | 1,85 | 0,15 | 0,54 | 31,4 | 91 | 137 | 42 | - | - | - | - | - | - | - | - | - | - | - |
| 1,00 | 14 | 23 | 2t:: | 1,85 | 0,19 | 0,64 | 29,4 | 108 | 162 | 48 | - | - | - | - | - | - | - | - | - | - | - |
| 1,20 | 12 | 20 | 2t:: | 1,85 | 0,22 | 0,57 | 20,5 | 97 | 145 | 45 | - | - | - | - | - | - | - | - | - | - | - |
| 1,40 | 13 | 16 | 2t:: | 1,85 | 0,26 | 0,60 | 18,1 | 103 | 154 | 47 | - | - | - | - | - | - | - | - | - | - | - |
| 1,60 | 16 | 13 | 2t:: | 1,85 | 0,30 | 0,70 | 18,3 | 118 | 177 | 52 | - | - | - | - | - | - | - | - | - | - | - |
| 1,80 | 14 | 3 | 2t:: | 1,85 | 0,33 | 0,64 | 14,1 | 108 | 162 | 48 | - | - | - | - | - | - | - | - | - | - | - |
| 2,00 | 69 | 14 | 4t:: | 1,85 | 0,37 | 2,30 | 61,6 | 391 | 586 | 207 | 83 | 40 | 41 | 43 | 45 | 40 | 32 | 0,201 | 115 | 173 | 207 |
| 2,20 | 54 | 34 | 3::: | 1,85 | 0,41 | - | - | - | - | - | 73 | 38 | 40 | 42 | 44 | 38 | 31 | 0,167 | 90 | 135 | 162 |
| 2,40 | 91 | 25 | 4t:: | 1,85 | 0,44 | 3,03 | 69,3 | 516 | 774 | 273 | 89 | 40 | 42 | 43 | 45 | 40 | 33 | 0,218 | 152 | 228 | 273 |
| 2,60 | 65 | 18 | 4t:: | 1,85 | 0,48 | 2,17 | 41,2 | 358 | 553 | 195 | 75 | 39 | 40 | 42 | 44 | 38 | 32 | 0,174 | 108 | 163 | 195 |
| 2,80 | 67 | 11 | 4t:: | 1,85 | 0,52 | 2,23 | 39,0 | 380 | 570 | 201 | 74 | 38 | 40 | 42 | 44 | 38 | 32 | 0,172 | 112 | 168 | 201 |
| 3,00 | 90 | 22 | 4t:: | 1,85 | 0,55 | 2,00 | 31,2 | 340 | 510 | 180 | 69 | 38 | 40 | 41 | 44 | 37 | 32 | 0,156 | 100 | 150 | 180 |
| 3,20 | 140 | 18 | 4t:: | 1,85 | 0,58 | 4,67 | 82,9 | 793 | 1190 | 420 | 96 | 41 | 43 | 44 | 46 | 41 | 36 | 0,245 | 233 | 350 | 420 |
| 3,40 | 150 | 19 | 4t:: | 1,85 | 0,63 | 5,00 | 83,8 | 850 | 1275 | 450 | 97 | 42 | 43 | 44 | 46 | 41 | 36 | 0,248 | 250 | 375 | 450 |
| 3,60 | 200 | 21 | 4t:: | 1,85 | 0,67 | 6,67 | 99,9 | 1133 | 1700 | 600 | 100 | 42 | 43 | 45 | 46 | 42 | 38 | 0,258 | 333 | 500 | 600 |
| 3,80 | 230 | 23 | 4t:: | 1,85 | 0,70 | 7,67 | 99,9 | 1303 | 1955 | 690 | 100 | 42 | 43 | 45 | 46 | 42 | 39 | 0,258 | 383 | 575 | 690 |
| 4,00 | 200 | - | 3::: | 1,85 | 0,74 | - | - | - | - | - | 100 | 42 | 43 | 45 | 46 | 41 | 38 | 0,258 | 333 | 500 | 600 |

**PROVA PENETROMETRICA STATICA
LETTURE DI CAMPAGNA / VALORI DI RESISTENZA**

CPT 2

3:010496:121

- committente: Grassi Gianfranco
- lavoro:
- località: Borgo di Baiso
- resp. cantiere:
- assist. cantiere:

- data prova : 10/03/2003
- quota inizio : Piano Campagna
- prof. falda : Falda non rilevata
- data emiss. : 11/03/2003

| prf | LP | LL | Rp | RL | Rp/RI | prf | LP | LL | Rp | RL | Rp/RI |
|------|--------------------|--------------------|--------------------|--------------------|-------|-------|--------------------|--------------------|--------------------|--------------------|-------|
| m | Kg/cm ² | Kg/cm ² | Kg/cm ² | Kg/cm ² | - | m | Kg/cm ² | Kg/cm ² | Kg/cm ² | Kg/cm ² | - |
| 0,20 | 10,0 | 22,0 | 10,0 | 1,20 | 8,0 | 5,20 | 19,0 | 45,0 | 19,0 | 1,33 | 14,0 |
| 0,40 | 12,0 | 30,0 | 12,0 | 1,27 | 9,0 | 5,40 | 20,0 | 40,0 | 20,0 | 1,60 | 12,0 |
| 0,60 | 13,0 | 32,0 | 13,0 | 1,40 | 9,0 | 5,60 | 16,0 | 40,0 | 16,0 | 1,20 | 13,0 |
| 0,80 | 17,0 | 38,0 | 17,0 | 1,40 | 12,0 | 5,80 | 19,0 | 37,0 | 19,0 | 2,80 | 7,0 |
| 1,00 | 15,0 | 36,0 | 15,0 | 1,60 | 9,0 | 6,00 | 62,0 | 104,0 | 62,0 | 2,40 | 26,0 |
| 1,20 | 17,0 | 41,0 | 17,0 | 1,20 | 14,0 | 6,20 | 43,0 | 79,0 | 43,0 | 1,73 | 25,0 |
| 1,40 | 17,0 | 35,0 | 17,0 | 1,27 | 13,0 | 6,40 | 18,0 | 44,0 | 18,0 | 0,53 | 34,0 |
| 1,60 | 17,0 | 36,0 | 17,0 | 1,40 | 12,0 | 6,60 | 27,0 | 35,0 | 27,0 | 2,47 | 11,0 |
| 1,80 | 15,0 | 36,0 | 15,0 | 1,00 | 15,0 | 6,80 | 20,0 | 57,0 | 20,0 | 1,60 | 12,0 |
| 2,00 | 16,0 | 31,0 | 16,0 | 0,87 | 18,0 | 7,00 | 18,0 | 42,0 | 18,0 | 1,33 | 13,0 |
| 2,20 | 17,0 | 30,0 | 17,0 | 3,07 | 6,0 | 7,20 | 20,0 | 40,0 | 20,0 | 2,87 | 7,0 |
| 2,40 | 15,0 | 61,0 | 15,0 | 2,20 | 7,0 | 7,40 | 20,0 | 63,0 | 20,0 | 0,60 | 33,0 |
| 2,60 | 19,0 | 52,0 | 19,0 | 1,27 | 15,0 | 7,60 | 13,0 | 22,0 | 13,0 | 0,53 | 24,0 |
| 2,80 | 28,0 | 47,0 | 28,0 | 0,73 | 38,0 | 7,80 | 15,0 | 23,0 | 15,0 | 0,67 | 22,0 |
| 3,00 | 16,0 | 27,0 | 16,0 | 0,53 | 30,0 | 8,00 | 18,0 | 28,0 | 18,0 | 0,80 | 22,0 |
| 3,20 | 20,0 | 28,0 | 20,0 | 1,73 | 12,0 | 8,20 | 23,0 | 35,0 | 23,0 | 1,33 | 17,0 |
| 3,40 | 34,0 | 60,0 | 34,0 | 1,67 | 20,0 | 8,40 | 27,0 | 47,0 | 27,0 | 1,80 | 15,0 |
| 3,60 | 23,0 | 48,0 | 23,0 | 1,93 | 12,0 | 8,60 | 23,0 | 50,0 | 23,0 | 2,33 | 10,0 |
| 3,80 | 22,0 | 51,0 | 22,0 | 1,80 | 12,0 | 8,80 | 23,0 | 58,0 | 23,0 | 2,13 | 11,0 |
| 4,00 | 21,0 | 48,0 | 21,0 | 0,60 | 35,0 | 9,00 | 25,0 | 57,0 | 25,0 | 2,80 | 9,0 |
| 4,20 | 40,0 | 49,0 | 40,0 | 2,33 | 17,0 | 9,20 | 32,0 | 74,0 | 32,0 | 3,00 | 11,0 |
| 4,40 | 43,0 | 78,0 | 43,0 | 2,40 | 18,0 | 9,40 | 33,0 | 78,0 | 33,0 | 3,33 | 10,0 |
| 4,60 | 66,0 | 102,0 | 66,0 | 1,27 | 52,0 | 9,60 | 55,0 | 105,0 | 55,0 | 4,80 | 11,0 |
| 4,80 | 16,0 | 35,0 | 16,0 | 0,87 | 18,0 | 9,80 | 80,0 | 152,0 | 80,0 | 3,87 | 21,0 |
| 5,00 | 25,0 | 38,0 | 25,0 | 1,73 | 14,0 | 10,00 | 69,0 | 127,0 | 69,0 | --- | --- |

- PENETROMETRO STATICO tipo da 10 t - (senza anello allargatore) -
- COSTANTE DI TRASFORMAZIONE Ct = 10 - Velocità Avanzamento punta 2 cm/s
- punta meccanica tipo Begemann $\varnothing = 35.7$ mm (area punta 10 cm² - apertura 60°)
- manicotto laterale (superficie 150 cm²)

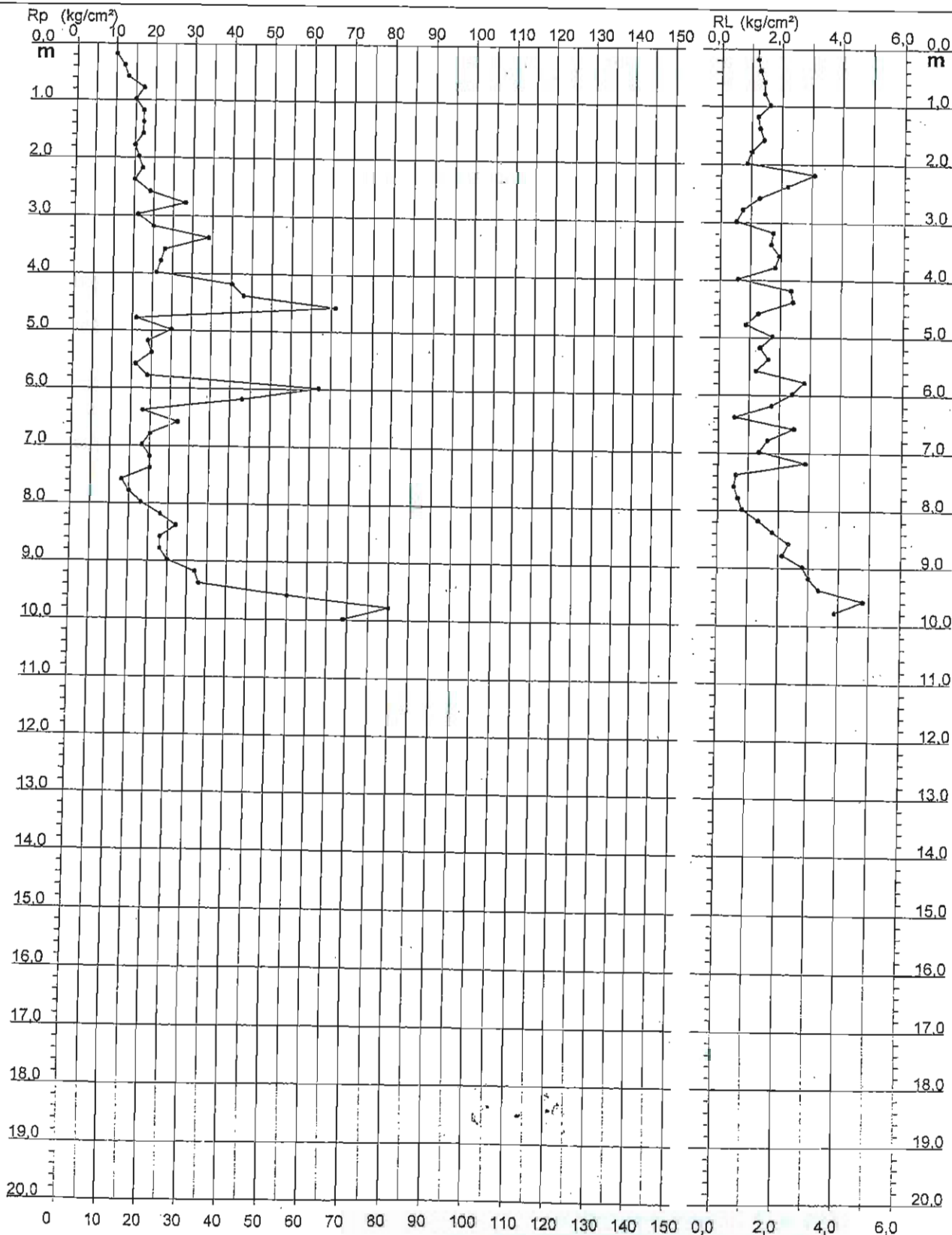
PROVA PENETROMETRICA STATICA DIAGRAMMA DI RESISTENZA

CPT 2

3:010496-121

- committente: Grassi Gianfranco
- lavoro:
- località: Borgo di Baiso
- resp. cantiere:
- assist. cantiere:

- data prova : 10/03/2003
- quota inizio : Piano Campagna
- prof. falda : Falda non rilevata
- scala vert.: 1 : 100
- data emiss. : 11/03/2003



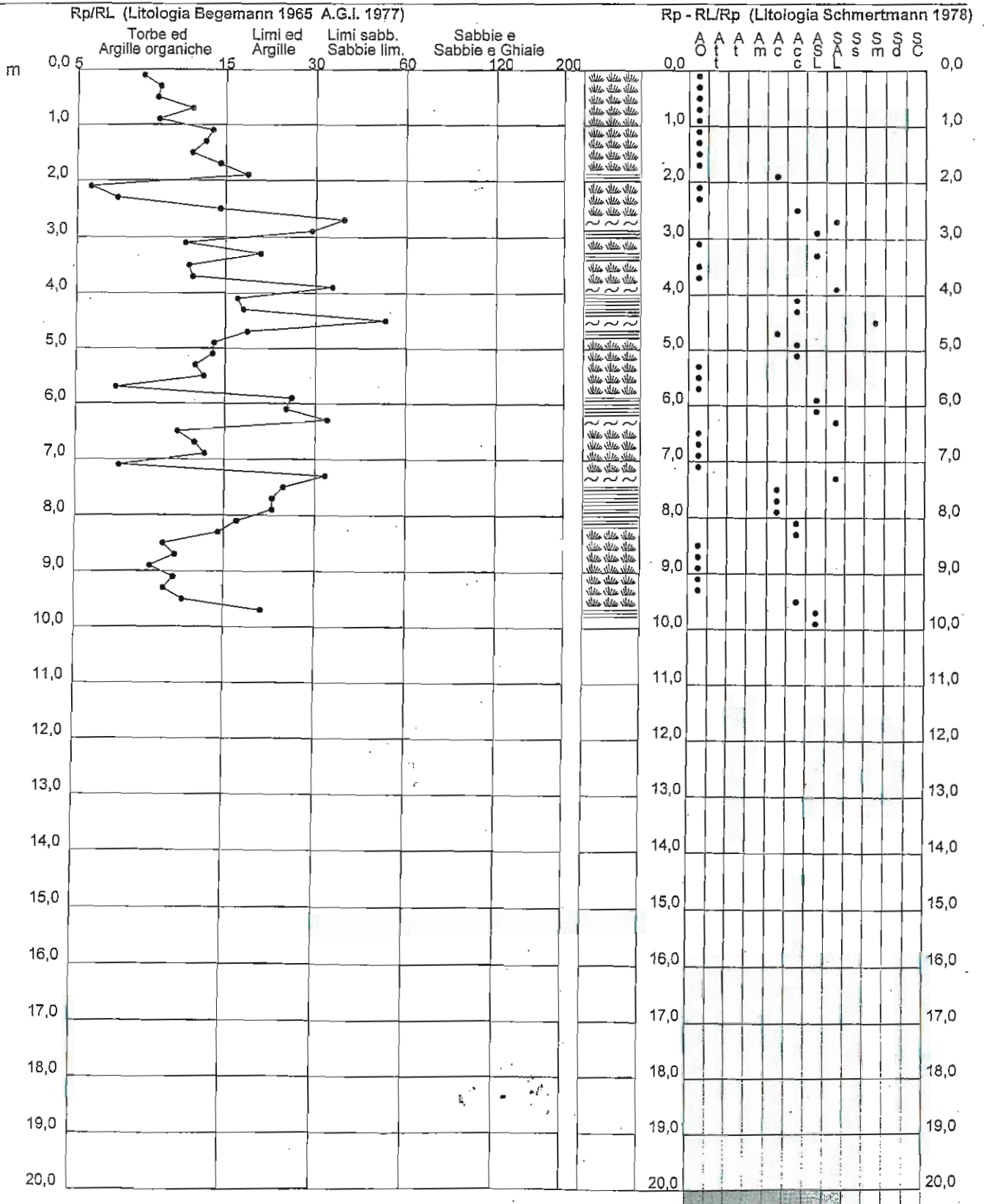
PROVA PENETROMETRICA STATICA VALUTAZIONI LITOLOGICHE

CPT 2

3.010496-121

- committente: Grassi Gianfranco
- lavoro:
- località: Borgo di Baiso
- resp. cantiere:
- assist. cantiere:

- data prova : 10/03/2003
- quota inizio : Piano Campagna
- prof. falda : Falda non rilevata
- scala vert.: 1 : 100
- data emiss. : 11/03/2003



PROVA PENETROMETRICA STATICA
LETTURE DI CAMPAGNA / VALORI DI RESISTENZA

CPT 1

3.010496-121

| | | | |
|---------------------|---------------------------------|------------------|--------------------|
| - committente: | Co.Imm. srl | - data prova : | 05/04/2005 |
| - lavoro: | Prove penetrometriche statiche | - quota inizio : | Piano Campagna |
| - località: | Via Borgo Visignolo, Baiso (RE) | - prof. falda : | Falda non rilevata |
| - resp. cantiere: | | - data emiss. : | 06/04/2005 |
| - assist. cantiere: | | | |

| prf | LP | LL | Rp | RL | Rp/RI | prf | LP | LL | Rp | RL | Rp/RI |
|------|--------------------|--------------------|--------------------|--------------------|-------|------|--------------------|--------------------|--------------------|--------------------|-------|
| m | Kg/cm ² | Kg/cm ² | Kg/cm ² | Kg/cm ² | - | m | Kg/cm ² | Kg/cm ² | Kg/cm ² | Kg/cm ² | - |
| 0,20 | 6,0 | 8,0 | 6,0 | 0,60 | 10,0 | 1,60 | 26,0 | 59,0 | 26,0 | 2,00 | 13,0 |
| 0,40 | 11,0 | 20,0 | 11,0 | 0,67 | 16,0 | 1,80 | 42,0 | 72,0 | 42,0 | 2,07 | 20,0 |
| 0,60 | 12,0 | 22,0 | 12,0 | 0,80 | 15,0 | 2,00 | 54,0 | 85,0 | 54,0 | 2,60 | 21,0 |
| 0,80 | 22,0 | 34,0 | 22,0 | 1,27 | 17,0 | 2,20 | 53,0 | 92,0 | 53,0 | 3,07 | 17,0 |
| 1,00 | 16,0 | 35,0 | 16,0 | 1,40 | 11,0 | 2,40 | 94,0 | 140,0 | 94,0 | 3,13 | 30,0 |
| 1,20 | 29,0 | 50,0 | 29,0 | 2,33 | 12,0 | 2,60 | 104,0 | 151,0 | 104,0 | ---- | ---- |
| 1,40 | 23,0 | 58,0 | 23,0 | 2,20 | 10,0 | | | | | | |

- PENETROMETRO STATICO tipo da 20 t - (senza anello allargatore) -
- COSTANTE DI TRASFORMAZIONE Ct = 10 - Velocità Avanzamento punta 2 cm/s
- punta meccanica tipo Begemann $\phi = 35.7$ mm (area punta 10 cm² - apertura 60°)
- manicotto laterale (superficie 150 cm²)

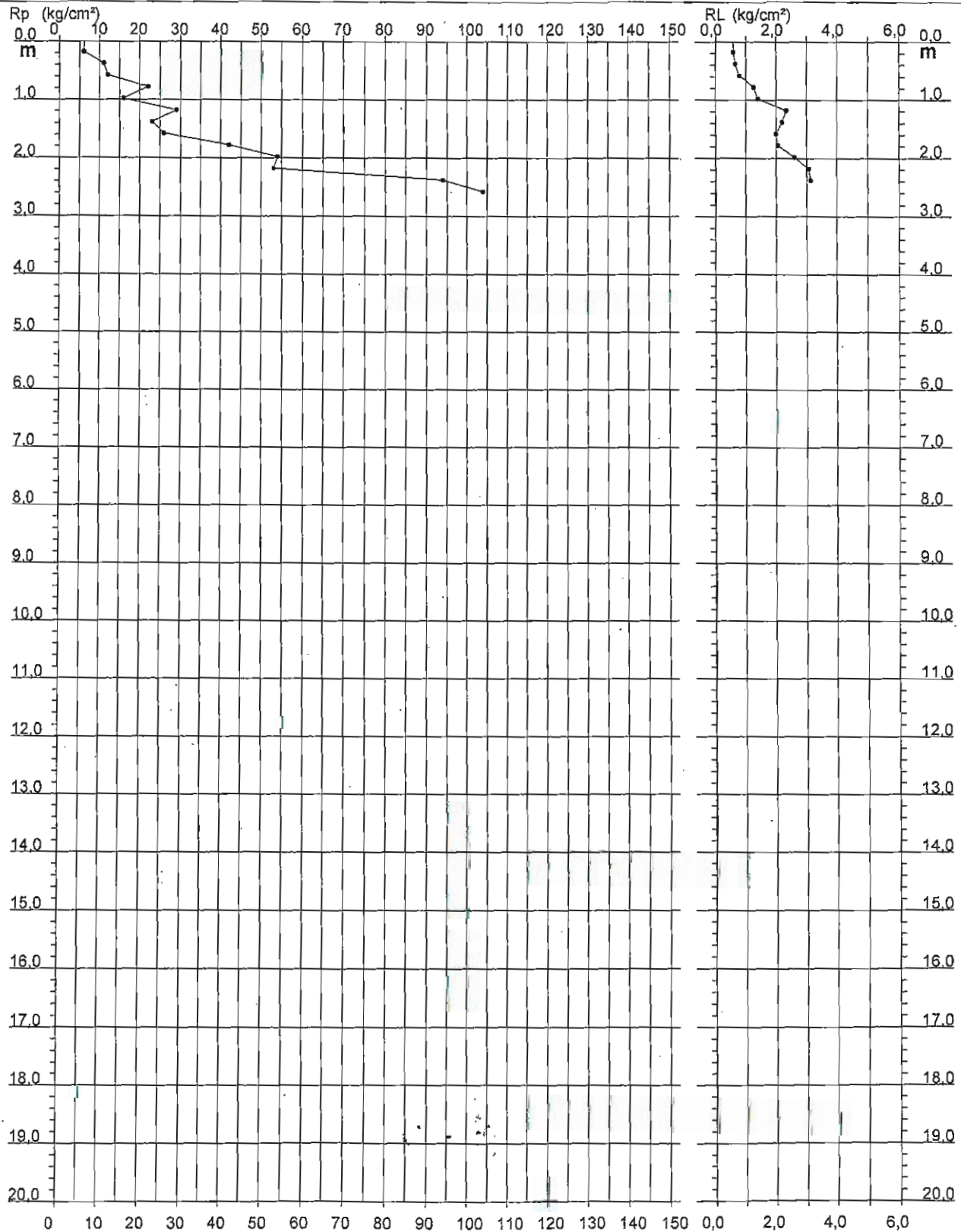
PROVA PENETROMETRICA STATICA DIAGRAMMA DI RESISTENZA

CPT 1

3.010496-121

- committente: Co.Imm. srl
- lavoro: Prove penetrometriche statiche
- località: Via Borgo Visignolo, Baiso (RE)
- resp. cantiere:
- assist. cantiere:

- data prova : 05/04/2005
- quota inizio : Piano Campagna
- prof. falda : Falda non rilevata
- scala vert.: 1 : 100
- data emiss. : 06/04/2005



**PROVA PENETROMETRICA STATICA
LETTURE DI CAMPAGNA / VALORI DI RESISTENZA**

CPT 2

3.010496-121

| | | | |
|---------------------|---------------------------------|------------------|--------------------|
| - committente: | Co.Imm. srl | - data prova : | 05/04/2005 |
| - lavoro: | Prove penetrometriche statiche | - quota inizio : | Piano Campagna |
| - località: | Via Borgo Visignolo, Baiso (RE) | - prof. falda : | Falda non rilevata |
| - resp. cantiere: | | - data emiss. : | 06/04/2005 |
| - assist. cantiere: | | | |

| prf | LP | LL | Rp | RL | Rp/RI | prf | LP | LL | Rp | RL | Rp/RI |
|------|--------------------|--------------------|--------------------|--------------------|-------|------|--------------------|--------------------|--------------------|--------------------|-------|
| m | Kg/cm ² | Kg/cm ² | Kg/cm ² | Kg/cm ² | - | m | Kg/cm ² | Kg/cm ² | Kg/cm ² | Kg/cm ² | - |
| 0,20 | 9,0 | 10,0 | 9,0 | 0,87 | 10,0 | 2,20 | 17,0 | 36,0 | 17,0 | 2,27 | 8,0 |
| 0,40 | 11,0 | 24,0 | 11,0 | 0,73 | 15,0 | 2,40 | 70,0 | 104,0 | 70,0 | 2,00 | 35,0 |
| 0,60 | 11,0 | 22,0 | 11,0 | 1,20 | 9,0 | 2,60 | 51,0 | 81,0 | 51,0 | 3,20 | 16,0 |
| 0,80 | 14,0 | 32,0 | 14,0 | 1,13 | 12,0 | 2,80 | 34,0 | 82,0 | 34,0 | 3,27 | 10,0 |
| 1,00 | 11,0 | 28,0 | 11,0 | 1,47 | 7,0 | 3,00 | 37,0 | 86,0 | 37,0 | 3,07 | 12,0 |
| 1,20 | 11,0 | 33,0 | 11,0 | 1,07 | 10,0 | 3,20 | 35,0 | 81,0 | 35,0 | 2,80 | 13,0 |
| 1,40 | 12,0 | 28,0 | 12,0 | 1,13 | 11,0 | 3,40 | 54,0 | 96,0 | 54,0 | 3,13 | 17,0 |
| 1,60 | 15,0 | 32,0 | 15,0 | 1,20 | 12,0 | 3,60 | 70,0 | 117,0 | 70,0 | 7,87 | 9,0 |
| 1,80 | 13,0 | 31,0 | 13,0 | 1,07 | 12,0 | 3,80 | 47,0 | 165,0 | 47,0 | --- | --- |
| 2,00 | 15,0 | 31,0 | 15,0 | 1,27 | 12,0 | | | | | | |

- PENETROMETRO STATICO tipo da 20 t - (senza anello allargatore) -
 - COSTANTE DI TRASFORMAZIONE - Ct = 10 - Velocità Avanzamento punta 2 cm/s
 - punta meccanica tipo Begemann ø = 35.7 mm (area punta 10 cm² - apertura 60°)
 - manicotto laterale (superficie 150 cm²)

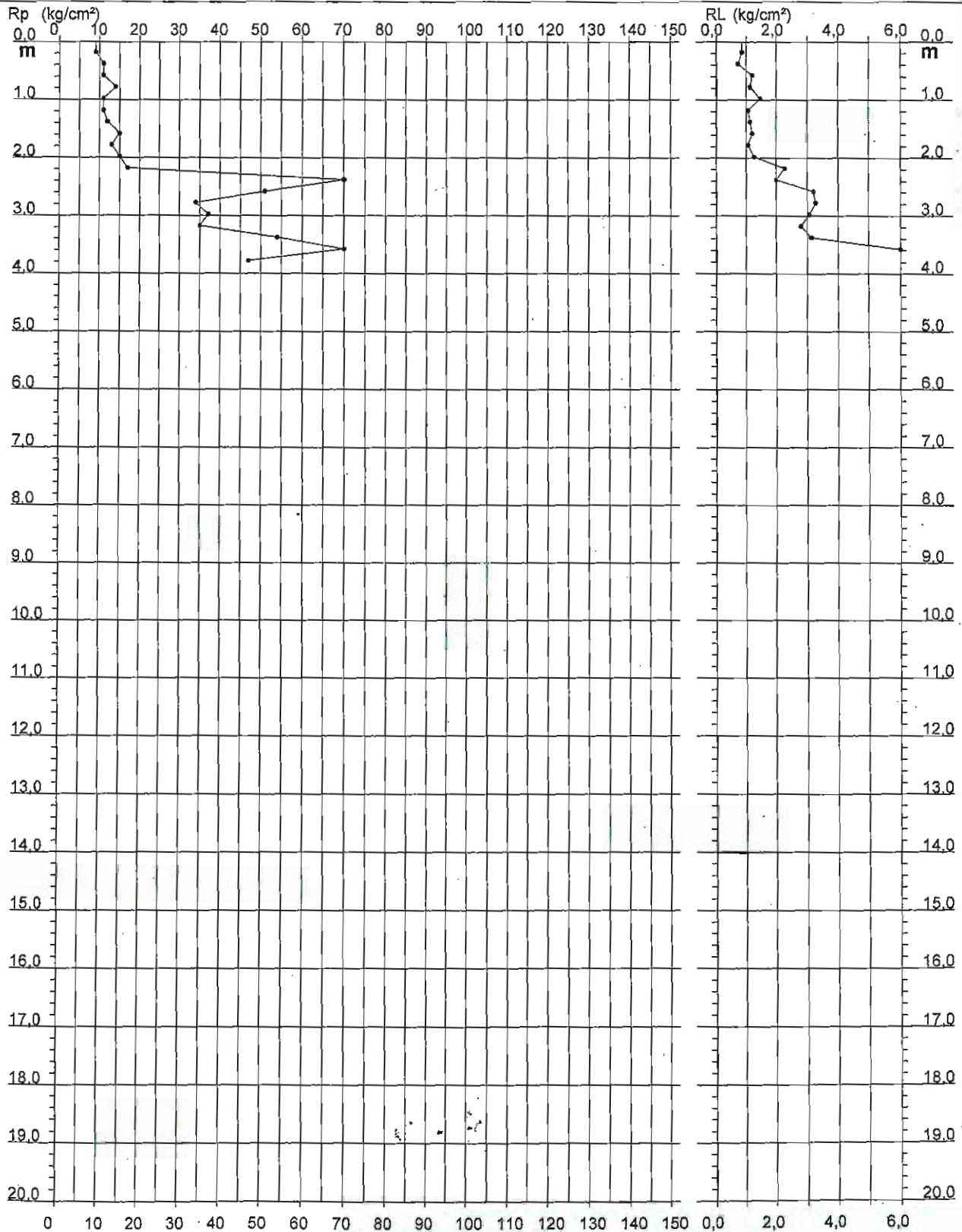
PROVA PENETROMETRICA STATICA DIAGRAMMA DI RESISTENZA

CPT 2

3.010496-121

- committente: Co. Imm. srl
- lavoro: Prove penetrometriche statiche
- località: Via Borgo Visignolo, Baiso (RE)
- resp. cantiere:
- assist. cantiere:

- data prova : 05/04/2005
- quota inizio : Piano Campagna
- prof. falda : Falda non rilevata
- scala vert.: 1 : 100
- data emiss. : 06/04/2005



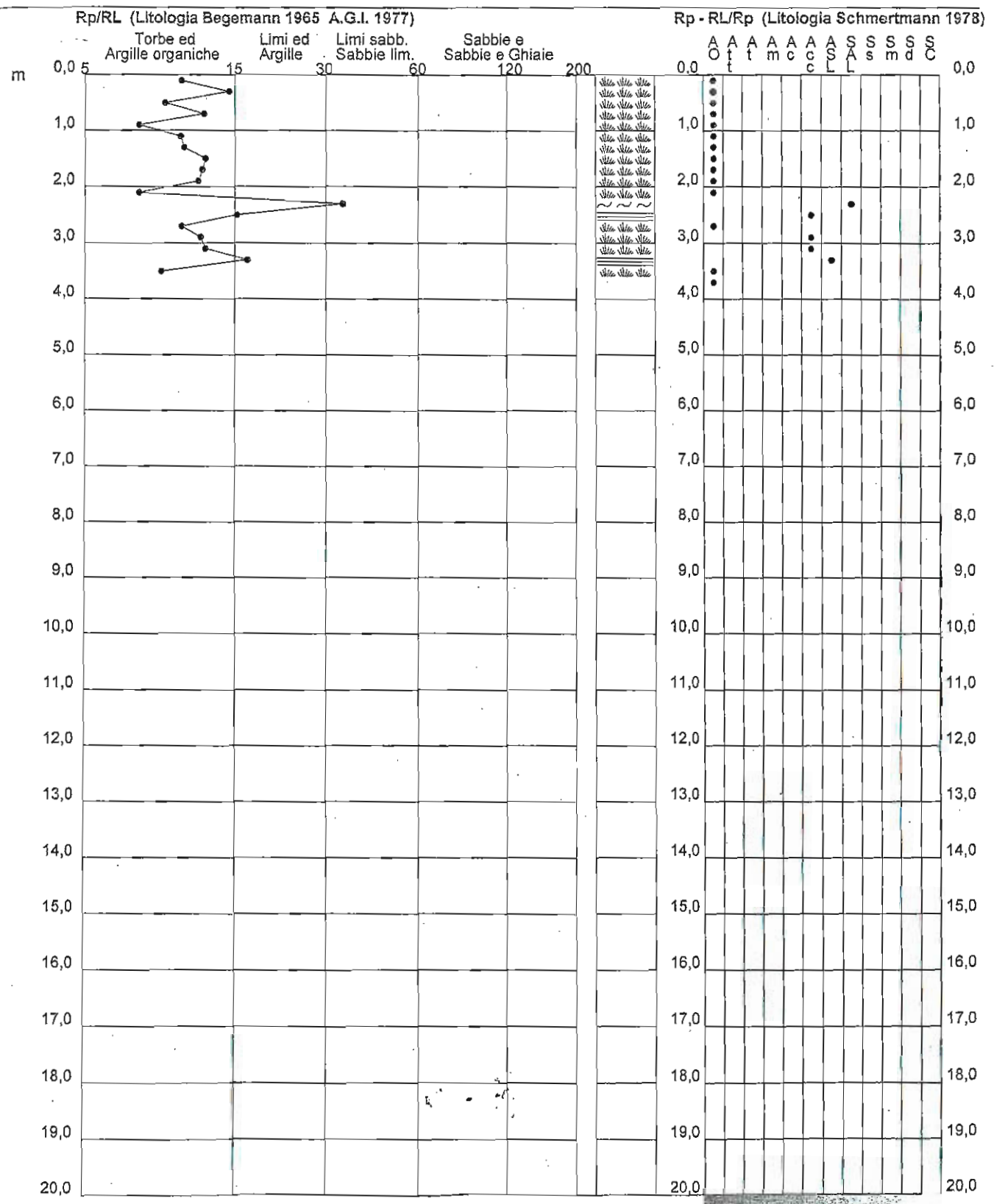
PROVA PENETROMETRICA STATICA VALUTAZIONI LITOLOGICHE

CPT 2

3.010496-121

- committente: Co.Imm. srl
 - lavoro: Prove penetrometriche statiche
 - località: Via Borgo Visignolo, Baiso (RE)
 - resp. cantiere:
 - assist. cantiere:

- data prova : 05/04/2005
 - quota inizio : Piano Campagna
 - prof. falda : Falda non rilevata
 - scala vert.: 1 : 100
 - data emiss. : 06/04/2005



**PROVA PENETROMETRICA STATICA
TABELLA PARAMETRI GEOTECNICI**

CPT 2

3.010496-121

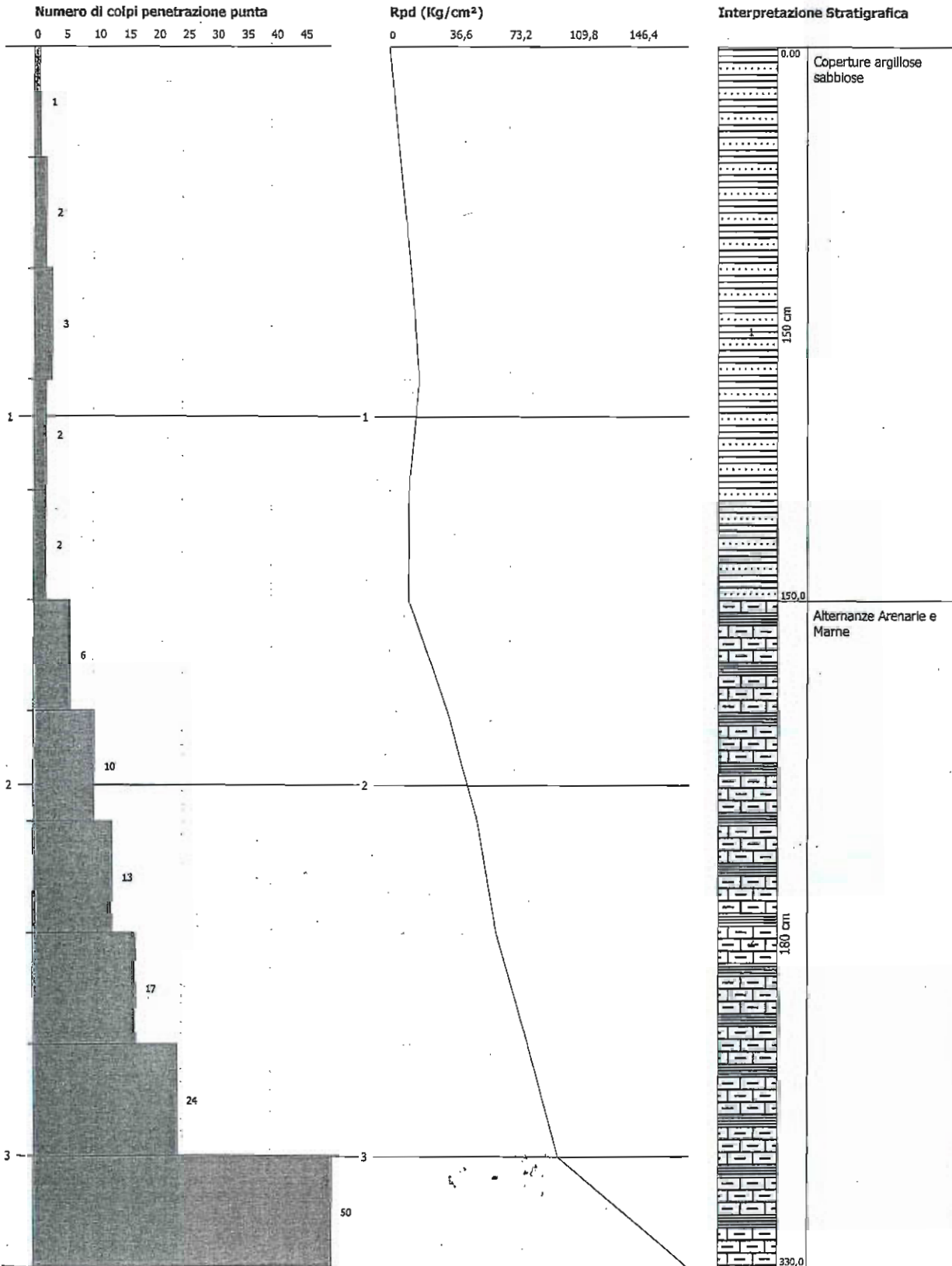
- committente: Co.Imm. srl
 - lavoro: Prove penetrometriche statiche
 - località: Via Borgo Visignolo, Baiso (RE)
 - resp. cantiere:
 - assist. cantiere:
 - data prova : 05/04/2005
 - quota inizio : Piano Campagna
 - prof. falda : Falda non rilevata
 - data emiss. : 06/04/2005

| Prof. m | Rp kg/cm² | Rp/RI (-) | Natura Litol. | Y t/m² | p'vo kg/cm² | Cu kg/cm² | OCR (-) | NATURA COESIVA | | | NATURA GRANULARE | | | | | | | | | | | | | | | |
|------------|--------------|--------------|------------------|-----------|----------------|--------------|------------|----------------|----------------|--------------|------------------|------------|------------|------------|------------|------------|------------|---------------|----------------|----------------|--------------|----|----|----|----|----|
| | | | | | | | | Eu50 kg/cm² | Eu25 kg/cm² | Mo kg/cm² | Dr % | ø1s (°) | ø2s (°) | ø3s (°) | ø4s (°) | ødm (°) | ømy (°) | Amax/g (-) | E'50 kg/cm² | E'25 kg/cm² | Mo kg/cm² | | | | | |
| 0,20 | 9 | 10 | 2/III | 1,85 | 0,04 | 0,45 | 99,9 | 77 | 115 | 38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 0,40 | 11 | 15 | 2/III | 1,85 | 0,07 | 0,54 | 74,7 | 91 | 137 | 42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 0,60 | 11 | 9 | 2/III | 1,85 | 0,11 | 0,54 | 45,0 | 91 | 137 | 42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 0,80 | 14 | 12 | 2/III | 1,85 | 0,15 | 0,64 | 38,9 | 108 | 162 | 48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,00 | 11 | 7 | 2/III | 1,85 | 0,19 | 0,54 | 23,8 | 91 | 137 | 42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,20 | 11 | 10 | 2/III | 1,85 | 0,22 | 0,64 | 18,9 | 91 | 137 | 42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,40 | 12 | 11 | 2/III | 1,85 | 0,26 | 0,57 | 16,9 | 97 | 146 | 45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,80 | 15 | 12 | 2/III | 1,85 | 0,30 | 0,67 | 17,3 | 113 | 170 | 50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 1,80 | 13 | 12 | 2/III | 1,85 | 0,33 | 0,80 | 13,2 | 103 | 154 | 47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,00 | 15 | 12 | 2/III | 1,85 | 0,37 | 0,67 | 13,1 | 113 | 170 | 50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,20 | 17 | 8 | 2/III | 1,85 | 0,41 | 0,72 | 12,9 | 123 | 184 | 54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 2,40 | 70 | 35 | 3:--- | 1,85 | 0,44 | -- | -- | -- | -- | -- | 80 | 39 | 41 | 43 | 44 | 39 | 32 | 0,189 | 117 | 175 | 210 | -- | -- | -- | -- | -- |
| 2,80 | 51 | 16 | 4:F: | 1,85 | 0,48 | 1,70 | 30,4 | 289 | 434 | 153 | 67 | 37 | 39 | 41 | 43 | 37 | 31 | 0,149 | 85 | 128 | 153 | -- | -- | -- | -- | -- |
| 2,80 | 34 | 10 | 4:F: | 1,85 | 0,52 | 1,13 | 16,7 | 193 | 289 | 102 | 51 | 35 | 37 | 40 | 42 | 35 | 29 | 0,106 | 57 | 85 | 102 | -- | -- | -- | -- | -- |
| 3,00 | 37 | 12 | 4:F: | 1,85 | 0,55 | 1,23 | 17,0 | 210 | 315 | 111 | 52 | 35 | 38 | 40 | 42 | 35 | 30 | 0,110 | 62 | 93 | 111 | -- | -- | -- | -- | -- |
| 3,20 | 35 | 13 | 4:F: | 1,85 | 0,59 | 1,17 | 14,7 | 198 | 298 | 105 | 49 | 35 | 37 | 39 | 42 | 34 | 29 | 0,101 | 58 | 88 | 105 | -- | -- | -- | -- | -- |
| 3,40 | 54 | 17 | 4:F: | 1,85 | 0,63 | 1,80 | 23,4 | 306 | 459 | 162 | 62 | 37 | 39 | 41 | 43 | 36 | 31 | 0,136 | 90 | 135 | 162 | -- | -- | -- | -- | -- |
| 3,60 | 70 | 9 | 4:F: | 1,85 | 0,67 | 2,33 | 30,1 | 367 | 595 | 210 | 70 | 38 | 40 | 42 | 44 | 37 | 32 | 0,158 | 117 | 175 | 210 | -- | -- | -- | -- | -- |
| 3,80 | 47 | -- | 3:--- | 1,85 | 0,70 | -- | -- | -- | -- | -- | 65 | 36 | 38 | 40 | 42 | 35 | 31 | 0,116 | 78 | 118 | 141 | -- | -- | -- | -- | -- |

PROVA PENETROMETRICA DINAMICA Nr.1
Strumento utilizzato... SCPT (Standard Cone Penetration Test)
DIAGRAMMA NUMERO COLPI PUNTA-Rpd

Committente : Co. Imm. srl
 Cantiere : Prove penetrometriche dinamiche
 Località : Via Borgo Visignolo, Balso (RE)

Data :08/04/2005



PROVA ... Nr.1

Strumento utilizzato... SCPT (Standard Cone Penetration Test)
 Prova eseguita in data 08/04/2005
 Profondità prova 3,30 mt
 Falda non rilevata

| Profondità (m) | Nr. Colpi | Calcolo coeff. riduzione sonda Chi | Res. dinamica ridotta (Kg/cm ²) | Res. dinamica (Kg/cm ²) | Pres. ammissibile con riduzione Herminier - Olandesi (Kg/cm ²) | Pres. ammissibile Herminier - Olandesi (Kg/cm ²) |
|----------------|-----------|------------------------------------|---|-------------------------------------|--|--|
| 0,30 | 1 | 0,853 | 6,54 | 7,67 | 0,33 | 0,38 |
| 0,60 | 2 | 0,847 | 13,00 | 15,35 | 0,65 | 0,77 |
| 0,90 | 3 | 0,842 | 17,78 | 21,12 | 0,89 | 1,06 |
| 1,20 | 2 | 0,836 | 11,78 | 14,08 | 0,59 | 0,70 |
| 1,50 | 2 | 0,831 | 11,71 | 14,08 | 0,59 | 0,70 |
| 1,80 | 6 | 0,826 | 34,91 | 42,25 | 1,75 | 2,11 |
| 2,10 | 10 | 0,822 | 53,45 | 65,05 | 2,67 | 3,25 |
| 2,40 | 13 | 0,767 | 64,87 | 84,57 | 3,24 | 4,23 |
| 2,70 | 17 | 0,763 | 84,36 | 110,59 | 4,22 | 5,53 |
| 3,00 | 24 | 0,709 | 102,81 | 145,07 | 5,14 | 7,25 |
| 3,30 | 50 | 0,605 | 182,76 | 302,23 | 9,14 | 15,11 |

STIMA PARAMETRI GEOTECNICI PROVA Nr.1**TERRENI COESIVI****Coesione non drenata**

| | Nspt | Prof. Strato (m) | Correlazione | Cu (Kg/cm ²) |
|----------|------|------------------|---------------|--------------------------|
| Strato 1 | 2,3 | 1,50 | Terzaghi-Peck | 0,14 |
| Strato 2 | 23 | 3,30 | Terzaghi-Peck | 1,55 |

Qc (Resistenza punta Penetrometro Statico)

| | Nspt | Prof. Strato (m) | Correlazione | Qc (Kg/cm ²) |
|----------|------|------------------|------------------|--------------------------|
| Strato 1 | 2,3 | 1,50 | Robertson (1983) | 4,60 |
| Strato 2 | 23 | 3,30 | Robertson (1983) | 46,00 |

Modulo Edometrico

| | Nspt | Prof. Strato (m) | Correlazione | Eed (Kg/cm ²) |
|----------|------|------------------|------------------------|---------------------------|
| Strato 1 | 2,3 | 1,50 | Stroud e Butler (1975) | 10,55 |
| Strato 2 | 23 | 3,30 | Stroud e Butler (1975) | 105,52 |

Modulo di Young

| | Nspt | Prof. Strato (m) | Correlazione | Ey (Kg/cm ²) |
|----------|------|------------------|--------------|--------------------------|
| Strato 1 | 2,3 | 1,50 | Apollonia | 23,00 |
| Strato 2 | 23 | 3,30 | Apollonia | 230,00 |

Classificazione AGI

| | Nspt | Prof. Strato (m) | Correlazione | Classificazione |
|----------|------|------------------|----------------------------|-------------------|
| Strato 1 | 2,3 | 1,50 | Classificaz. A.G.I. (1977) | POCO CONSISTENTE |
| Strato 2 | 23 | 3,30 | Classificaz. A.G.I. (1977) | MOLTO CONSISTENTE |