

|  |  |  |  |  | BOREHOLE: TS3  |  | CLIENT:     |  |  |  | WORKSITE: San Michele al Tagliamento (VE) |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|--|--|--|--|--|--|--|-------------|--|--|--|---|--|--|--|-----------------|----------------|-----------------------|------------|--|-----------|--|--------------|----------------|-------|-------|--|--|--|
|  |  |  |  |  | Elevation: 0,00 m  |  | Levee crest |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | SOIL DESCRIPTION AND CLASSIFICATION (UNI EN ISO 14688-1)   |  |             |  |  |  |   |  |  |  | PEN.<br>kPa     | TOR.<br>kPa    | Prof.<br>in<br>metri. | S.P.T.     |  | Vane Test |  | Depth<br>(m) | Piezo<br>meter | Water | table |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | Numero<br>Colpi | Altezza<br>cm. | Max<br>kPa            | Res<br>kPa |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | 1) Light brown medium to fine gravel with silty fine sand, covered by grass.<br>Medium to fine silty sand, greyish light brown in color. |  |             |  |  |  |   |  |  |  | 150             | 75             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 160             | 78             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | p.a. The same  |  |             |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | p.b. The same (Pen. 220kPa; Tor. 65kPa)  |  |             |  |  |  |   |  |  |  | 80              | 30             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | The same   |  |             |  |  |  |   |  |  |  | 90              | 40             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | p.a. The same  |  |             |  |  |  |   |  |  |  | 120             | 35             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | p.b. The same (Pen. 120kPa; Tor. 35kPa)  |  |             |  |  |  |   |  |  |  | 80              | 40             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | Light brown slightly sandy clayey silt   |  |             |  |  |  |   |  |  |  | 90              | 35             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 120             | 50             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | p.a. The same  |  |             |  |  |  |   |  |  |  | 150             | 55             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | p.b. The same (Pen. 220kPa; Tor. 45kPa)  |  |             |  |  |  |   |  |  |  | 120             | 55             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | The same   |  |             |  |  |  |   |  |  |  | 150             | 65             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | Greyish light brown slightly clayey silt with fine sand, becoming grey at the base.  |  |             |  |  |  |   |  |  |  | 150             | 70             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | 1)Variable-head permeability test (Lefranc type) from 8.50 m to 9.00 m.  |  |             |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 100             | 55             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | Grey clayey silt with millimetric carbonate concretions from 10.40 m depth.  |  |             |  |  |  |   |  |  |  | 150             | 65             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | p.a. The same  |  |             |  |  |  |   |  |  |  | 220             | >100           |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | p.b. The same with ochre streaks. (Pen. 380kPa; Tor. >100kPa)  |  |             |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | The same   |  |             |  |  |  |   |  |  |  | 350             | >100           |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | Fine sand with ochre silt.   |  |             |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | 2)Variable-head permeability test (Lefranc type) from 12.50 m to 13.00 m.  |  |             |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | Grey clayey silt.  |  |             |  |  |  |   |  |  |  | 150             | 75             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | Grey silt with fine sand.  |  |             |  |  |  |   |  |  |  | 150             | 65             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | Grey silt with clay.   |  |             |  |  |  |   |  |  |  | 120             | 52             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 70              | 30             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 90              | 40             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 50              | 25             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 200             | 90             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 150             | 75             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 100             | 50             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 180             | 90             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 70              | 35             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 110             | 50             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 12              | 55             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  | 150             | 70             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  |  |  |             |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | Grey silt with fine sand.  |  |             |  |  |  |   |  |  |  | 170             | 80             |                       |            |  |           |  |              |                |       |       |  |  |  |
|  |  |  |  |  | Grey silt with clay.   |  |             |  |  |  |   |  |  |  |                 |                |                       |            |  |           |  |              |                |       |       |  |  |  |