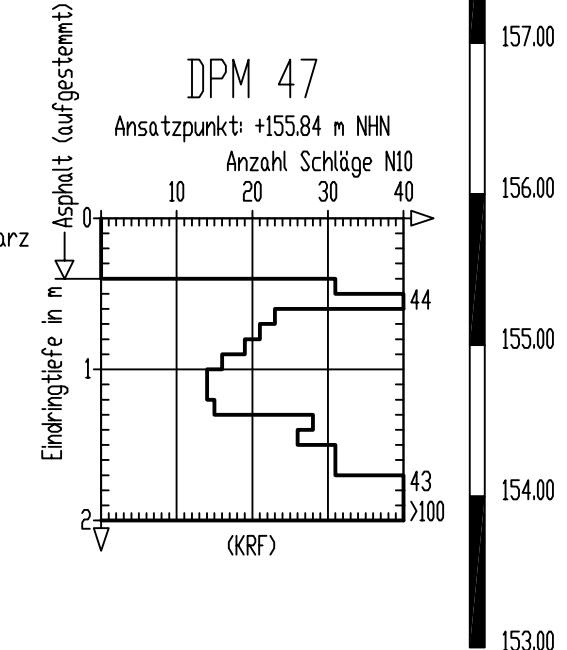
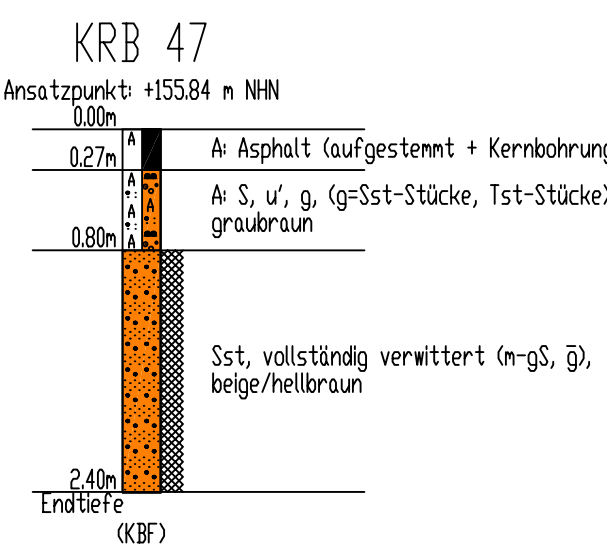
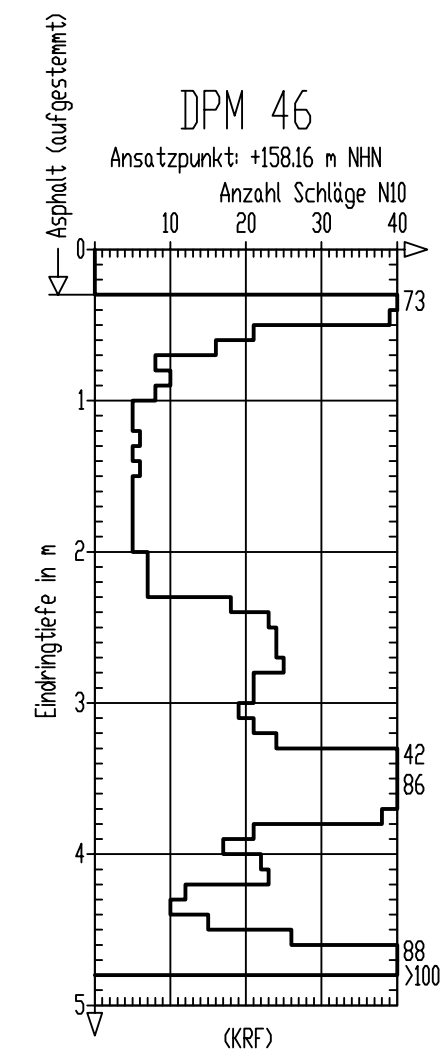
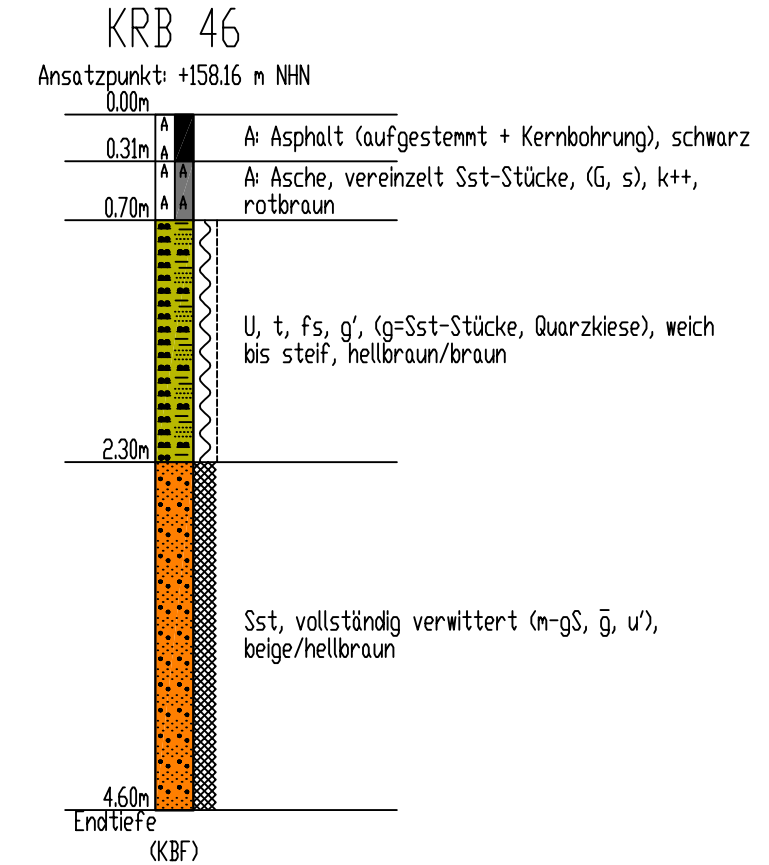
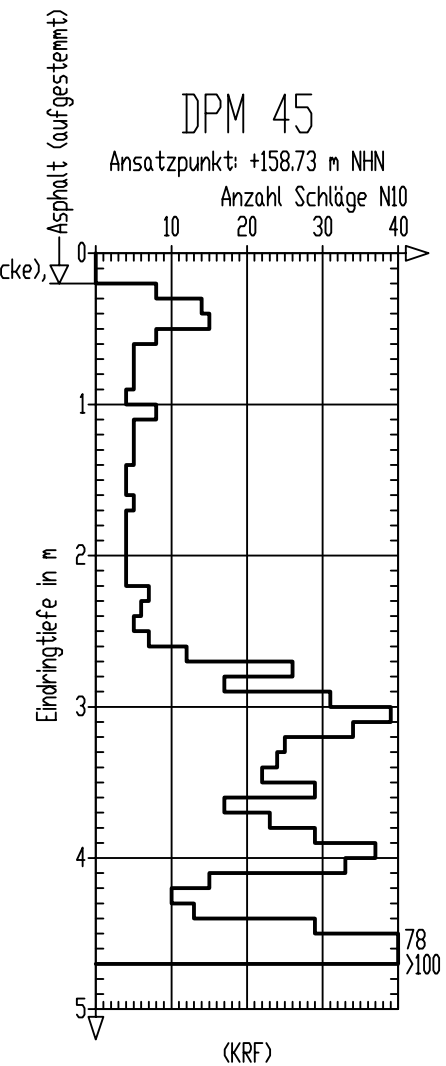
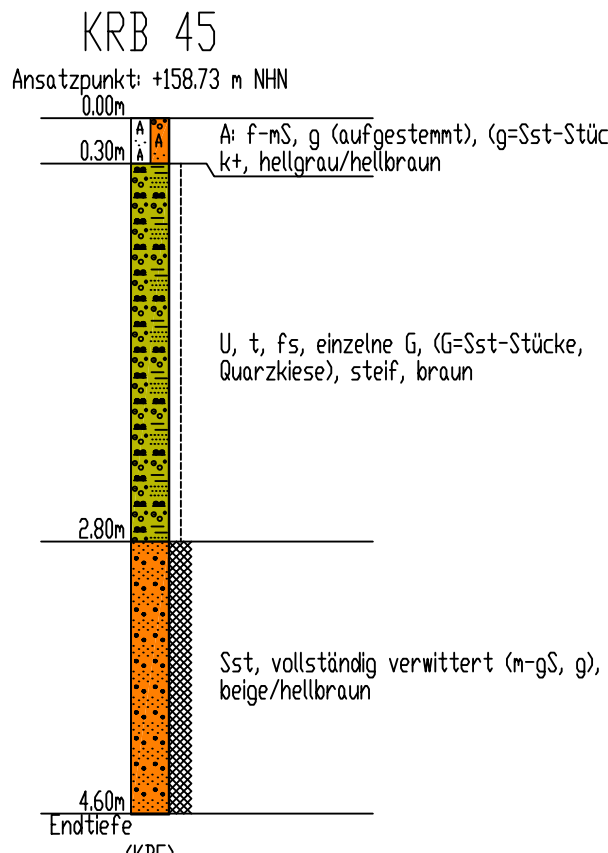
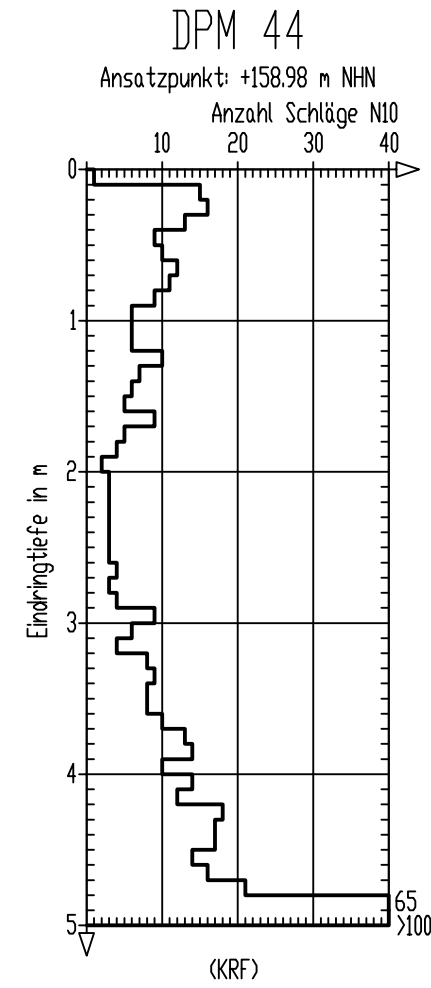
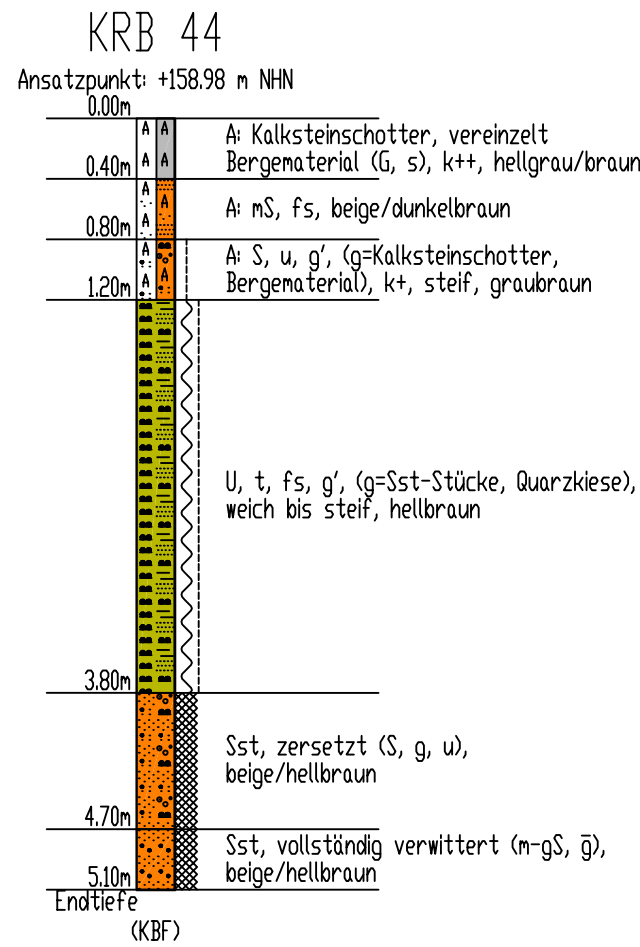
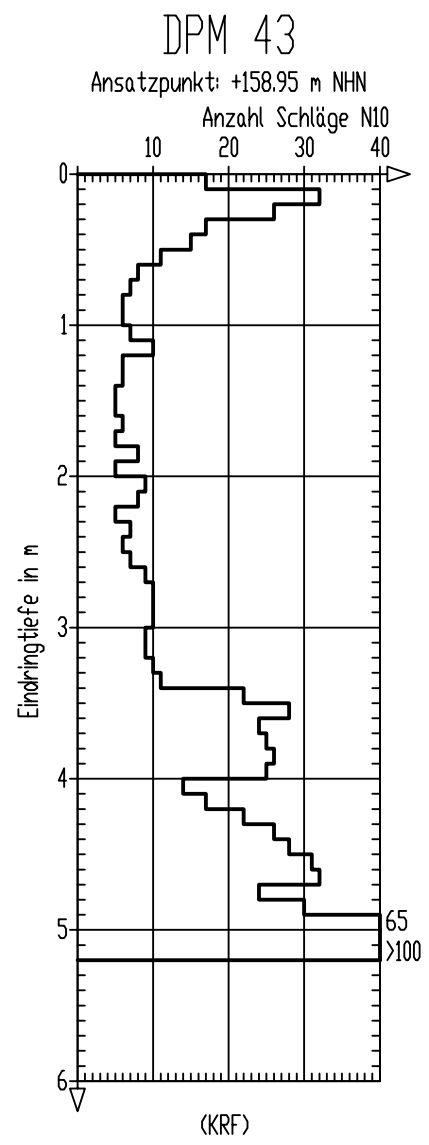
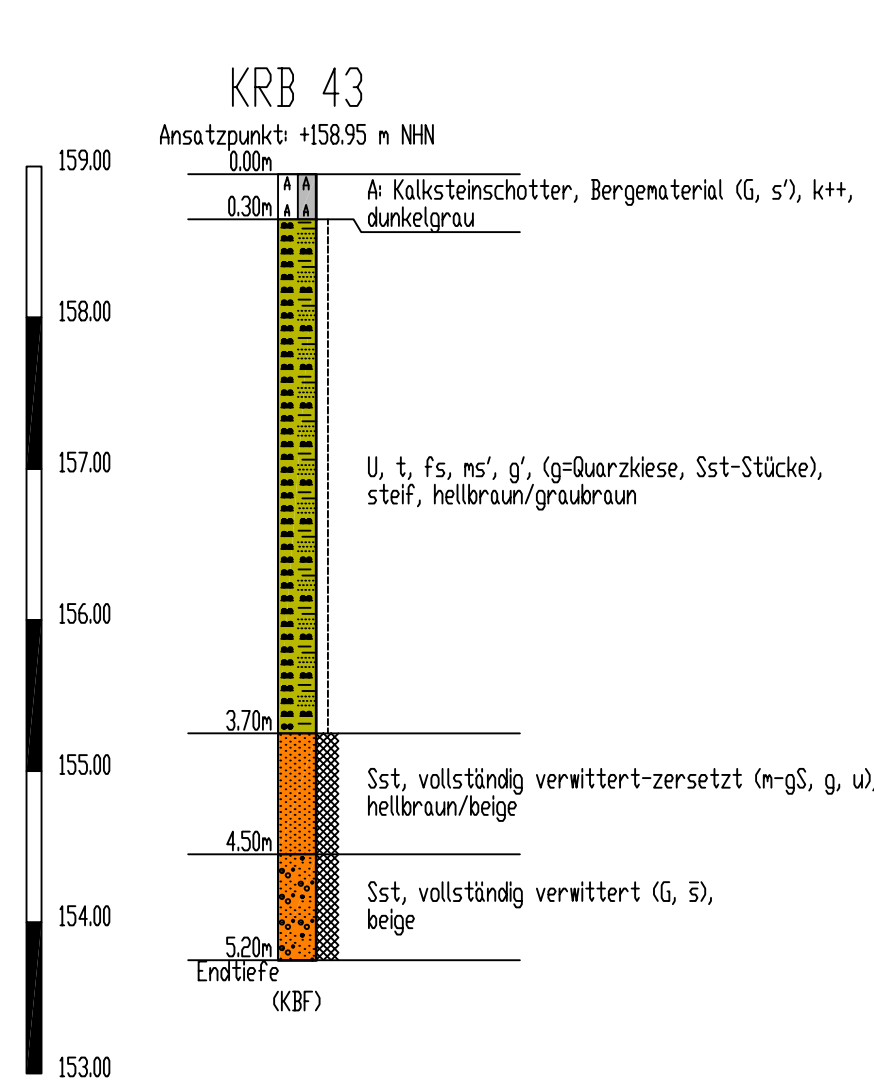




Legende

|                        |                         |                              |                 |
|------------------------|-------------------------|------------------------------|-----------------|
| Asch= Asche            | Asph= Asphalt           | A A A A = Auffüllung         | Fs = Feinsandig |
| gS = Grobsand          | Ksts= Kalksteinschotter | G = Kies<br>g = kiesig       | mS = Mittelsand |
| S = Sand<br>s = sandig | Sst= Sandstein          | U = Schluff<br>u = schluffig | t = tonig       |

| Proben                   | Wasserstände                              | Beschaffenheit nach DIN 4023                                 | Verwitterungsstufen                            |
|--------------------------|-------------------------------------------|--------------------------------------------------------------|------------------------------------------------|
| SP  Sonderprobe          | GW  Grundwasser angebohrt                 | nass    halbfest                                             | schwach verwittert                             |
| GP  Gestörte Probe       | GW  Änderung des WSP                      | breiig    fest                                               | mäßig-stark verwittert                         |
| KP  Kernprobe            | GW  Ruhewasserstand                       | weich    klüftig                                             | vollständig verwittert                         |
| WP  Wasserprobe          | SW  Sickerwasser                          | steif                                                        | zersetzt                                       |
| ' = schwach<br>- = stark | k+ = kalkhaltig<br>k++ = stark kalkhaltig | (KBF) = kein Bohrfortschritt<br>(KRF) = kein Rammfortschritt | TFA = Trennflächenabstand<br>SPV = Spülverlust |

The diagram is a line graph with 'Eindringtiefe in m' (penetration depth in m) on the y-axis (0 to 6) and 'Anzahl Schläge je 10 cm Eindringung' (number of blows per 10 cm penetration) on the x-axis (0 to 40). A horizontal line at approximately 3.5 m depth is labeled 'DPL'. The area below this line is shaded grey. The graph shows a step-like profile of blow counts, starting at 0 at 0 m, rising to about 10 blows at 0.5 m, then fluctuating between 10 and 20 blows down to 3.5 m, and then rising to about 30 blows at 4 m, remaining constant until 6 m.

Rammsondierung nach DIN EN ISO 22476-2

|                        |                      |                       |                       |
|------------------------|----------------------|-----------------------|-----------------------|
|                        | leicht               | mittelschwer          | schwer                |
| Kurzzeichen            | DPL                  | DPM                   | DPH                   |
| Spitzendurchmesser     | 35,7 ± 0,3 mm        | 43,7 ± 0,3 mm         | 43,7 ± 0,3 mm         |
| Spitzenquerschnitt     | 10 cm <sup>2</sup>   | 15 cm <sup>2</sup>    | 15 cm <sup>2</sup>    |
| Gestängedurchmesser    |                      |                       |                       |
| außen                  | 22 mm                | 32 mm                 | 32 mm                 |
| Rambbärgewicht         | 10 ± 0,1 kg          | 30 ± 0,3 kg           | 50 ± 0,5 kg           |
| Fallhöhe               | 0,50 ± 0,01 m        | 0,50 ± 0,01 m         | 0,50 ± 0,01 m         |
| spez. Arbeit je Schlag | 50 kJ/m <sup>2</sup> | 100 kJ/m <sup>2</sup> | 167 kJ/m <sup>2</sup> |

|                                                                                                                                    |                                               |            |                             |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------|-----------------------------|
| <br><b>arcccon</b><br>Ingenieurgesellschaft mbH | arcccon Ingenieurgesellschaft mbH             |            |                             |
|                                                                                                                                    | Wilhelminenstraße 165 - 167                   |            |                             |
|                                                                                                                                    | 45881 Gelsenkirchen                           |            |                             |
|                                                                                                                                    | Tel. 0209 / 94 70 6-0; Fax. 0209 / 94 70 6-10 |            |                             |
| Auftraggeber :      Stadt Ibbenbüren,<br>Fachdienst Tiefbau / Stadtentwässerung                                                    |                                               |            |                             |
| Bauvorhaben :      I-NOVA Park Ibbenbüren,<br>Kanal- und Straßenbau                                                                |                                               |            |                             |
| Baugrunderkundung, Baugrundbeurteilung, geotechnische Beratung                                                                     |                                               |            |                             |
| Maßstab : 1:50                                                                                                                     |                                               | Datum:     | Bohrprofile und Rammprofile |
| Bearbeiter : Hubert                                                                                                                |                                               | 05.10.2026 |                             |
| Zeichner : Schulz                                                                                                                  |                                               | Bearb.Nr.  | Anlage 2.10                 |
| Dateiname : ST254501 B02 Anl2                                                                                                      |                                               | ST254501   |                             |
|                                                                                                                                    |                                               |            | 2. Bericht                  |