



## SITE REPORT

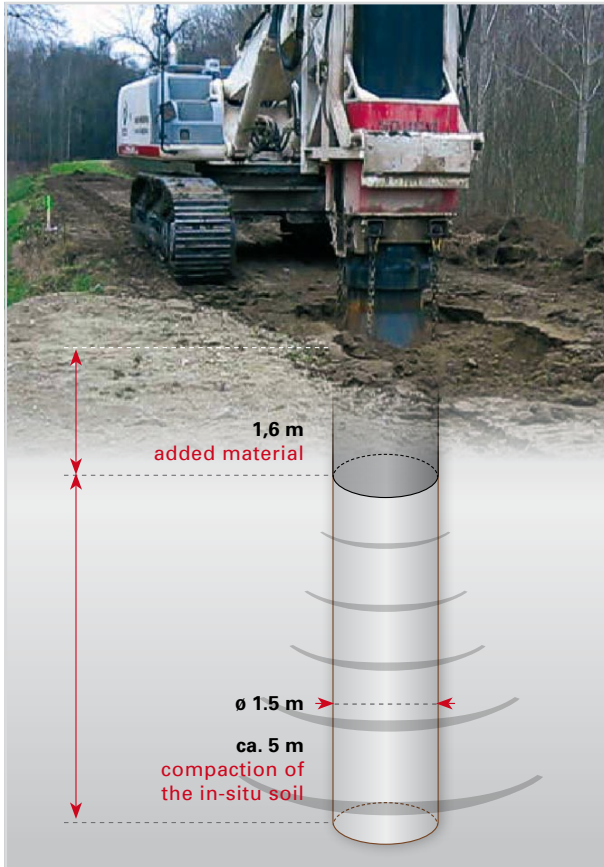


**TERRA-MIX**

REALIZED: JULY - OCTOBER 2009  
BUILDING PROJECT: HIGH-WATER PROTECTION, KAMP  
AWARDING AUTHORITY: NÖ LOCAL GOVERNMENT  
LENGTH: 4800M

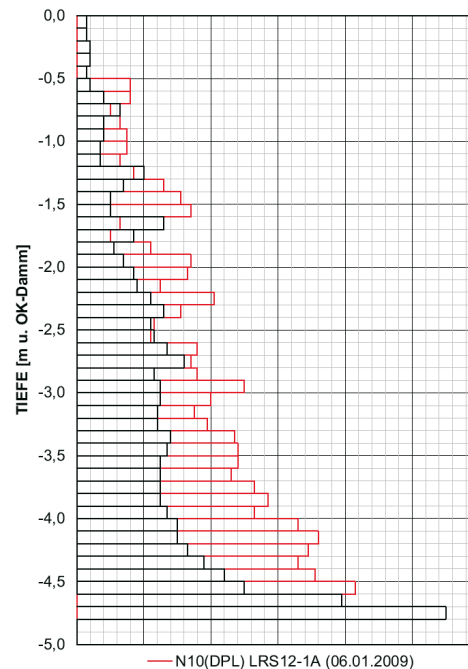
## Assignment:

The 60 year old dyke was to be renovated by reducing the porosity and by closing the cavities created over time by animals. Three methods were verified – Vibration-pressure, Vibration-stuffing and Impulse-Compaction.



## Solution:

Due to its technical and economic advantages it was decided to use Impulse-Compaction. A row of compaction columns in close proximity to each other were created through a specific sequence of compactions. This without displacing the dyke crest.



## Results:

By means of the Impulse-Compaction the complete dyke could be renovated and had its porosity and permeability reduced all the way down to the in-situ layer of gravel. Through the volume reduction the dyke experienced at the same time an increase in its load carrying capacity and stability, further leading to a reduction of the danger of erosion.

### TERRA-MIX Boden-stabilisierungs GmbH

A-8521 Wettmannstätten  
Schönaich 96  
Tel.: +43 3185 30722-0  
Fax: +43 3185 30722-30  
office-at@terra-mix.com

### TERRA-MIX Bulgaria EOOD

BG-6000 Stara Zagora  
Pop Mincho Kanchev 84  
Tel.: +359 88 922 13 14  
Fax: +359 42 984 195  
office-bg@terra-mix.com

### TERRA-MIX Hungary Kft.

H-9700 Szombathely  
Semmelweis ut 2  
Tel.: +36 203 333 956  
office-hu@terra-mix.com

### TERRA-MIX sp. z o.o.

PL-56-400 Oleśnica  
ul. Wileńska 14  
Tel.: +48 72 899 00 35  
Fax: +48 71 71 82330  
office-pl@terra-mix.com

### TERRA-MIX Deutschland

D-90439 Nürnberg  
Wallensteinstrasse 4  
Tel.: +49 171 2 17 92 25  
office-de@terra-mix.com