



VERIFICATION OF GROUND STABILIZATION FOR SUBSIDENCE/SINKHOLE USING TDR TECHNOLOGY

TDR SENSORS TECHNOLOGY FOR
VERIFICATION OF GROUND
STABILIZATION REPAIR BY
COMPACTION GROUTING



EXAMPLE OF THE ANGLED
GROUT HOLES WITH TDR
CABLE SENSORS

TDR SENSOR CABLE
INSTALLED INTO
ANGLED GROUT
HOLES CREATES A
LOW COST FULL
RANGE GROUND
SUBSIDENCE
DETECTION
NETWORK

SIGNIFICANT MOVEMENT FROM SINKHOLE
WOULD BE INTERCEPTED BY THE TDR SENSOR
CABLE IN THE ANGLED GROUT HOLES

G3 Group has acquired

Time Domain Reflectometry (TDR), a proven technology by
the Federal Highway Administration for monitoring movements
in landslides and ground subsidence.

TDR can be used to confirm if significant ground subsidence has occurred after grouting
TDR and can be installed into angled grout holes used for the compaction grouting

TDR installed into angled grout points creates a network of ground subsidence sensors under the
structure

TDR monitoring systems are robust and have operated for years on Federal Highways

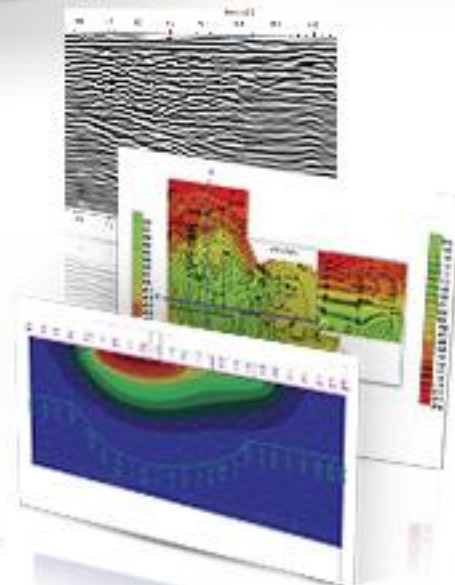
TDR installed by the G3 Group provides a 3rd party grouting verification

TDR benefits for the Grouting , Engineering and Insurance Company's are:

- Verification of Grouting Warrantee and/or Engineering Design
- Reduction of Claims of Failed Repair, Ligation Support
- Low cost installaion and can be utilized only when needed

For Home Owner:

- Peace of Mind
- Increases Resale Value of Home



For more information on how
TDR can work for you,
contact the G3 Group at:

Florida: 727-376-7833

Tennessee: 627-266-GEO3

E-mail: David.Harro@geo3group.com

www.geo3group.com