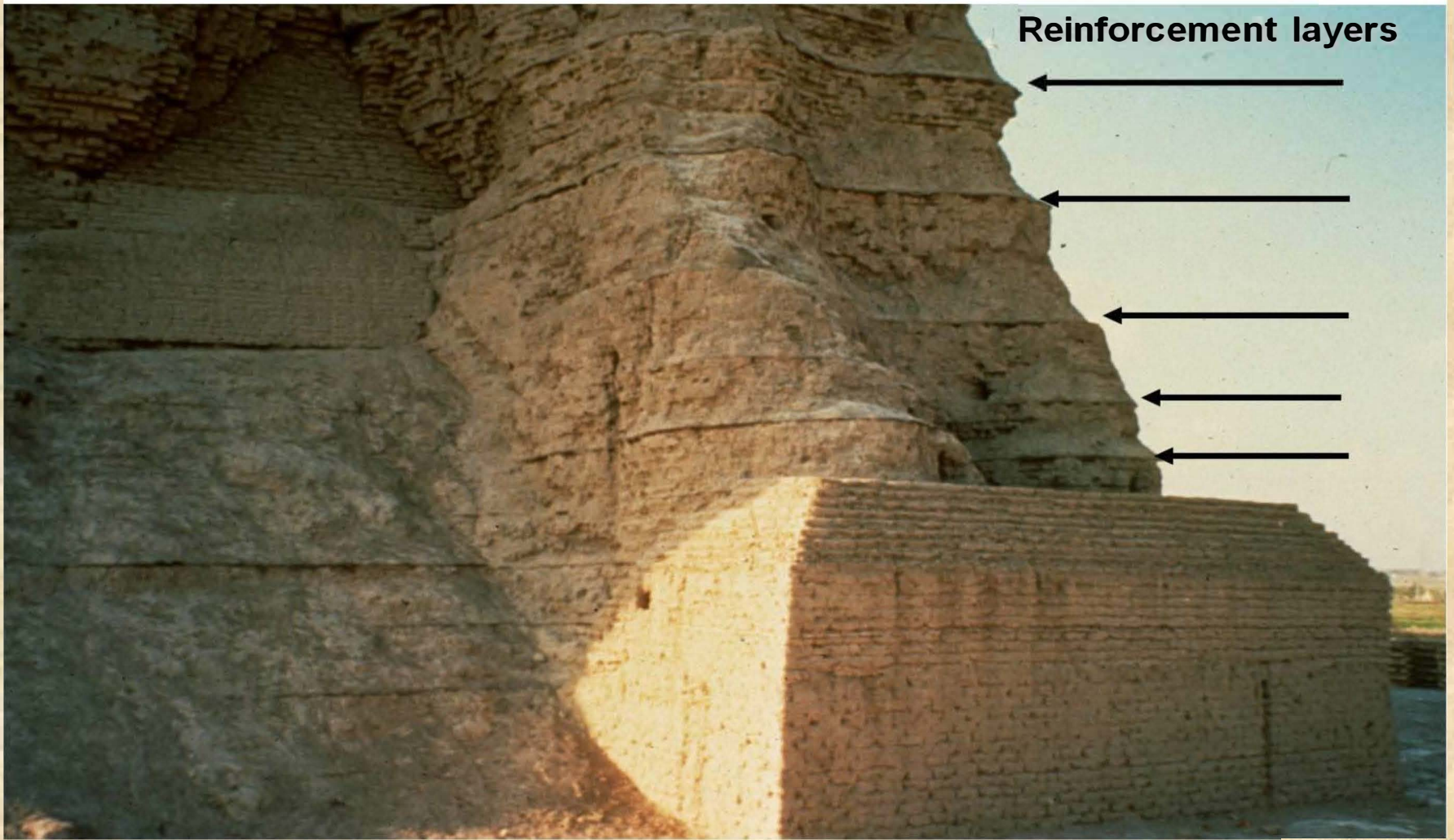


GEOSENTETİK DONATILI GREENARME İSTİNAT DUVARI UYGULAMA TEKNİKLERİ



MÖ 1000 yıllarında Irak'da yapılan Zeminde donatı uygulaması



NEZAMAN KULLANILIR?

Klasik duvarlara göre daha ucuz, daha estetik ve daha hızlı yapılan bir istinat yapısı istediğimizde aradığımız çözüm Geosentetik donatılı istinat duvarlarıdır.

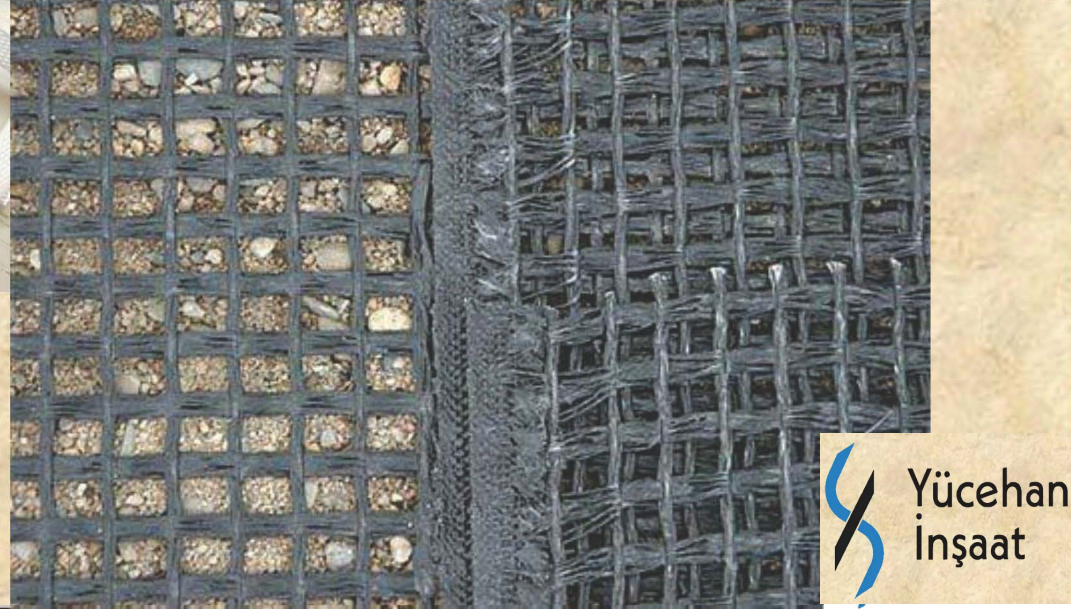
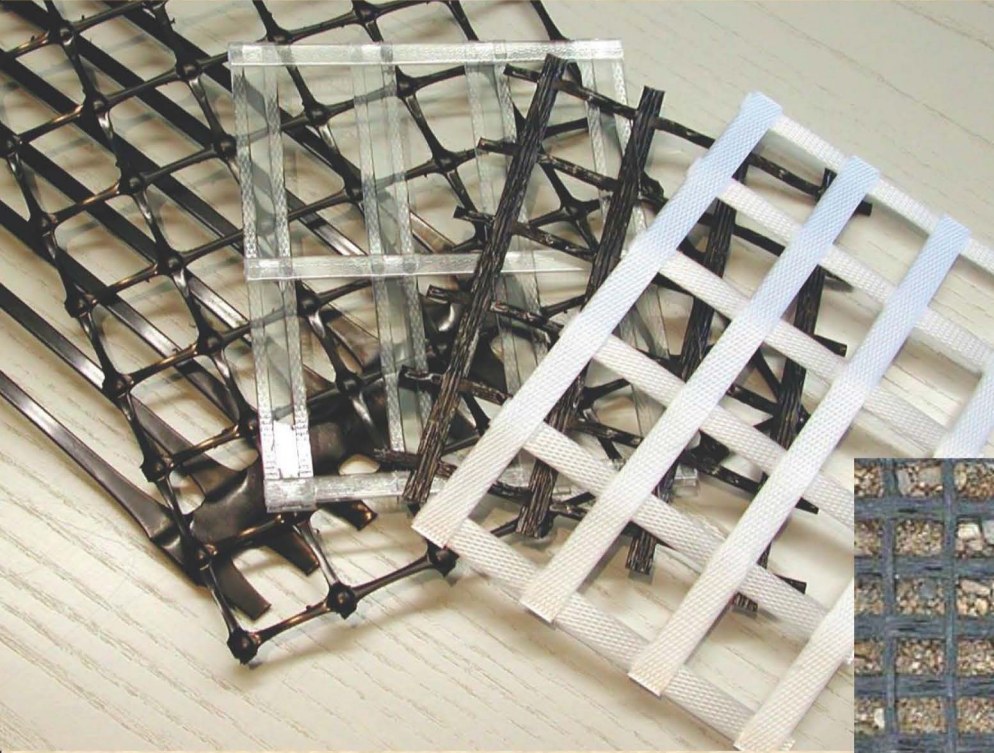
Yararları

- Kolay ve abuk imalat
- Esnek yapısı sayesinde lokal oturmalar tolere edilebilir.
- Farklı yüzey seçenekleri
- Servis ömrü süresince minimum bakım
- Geleneksel yapılardan daha ucuzdur.

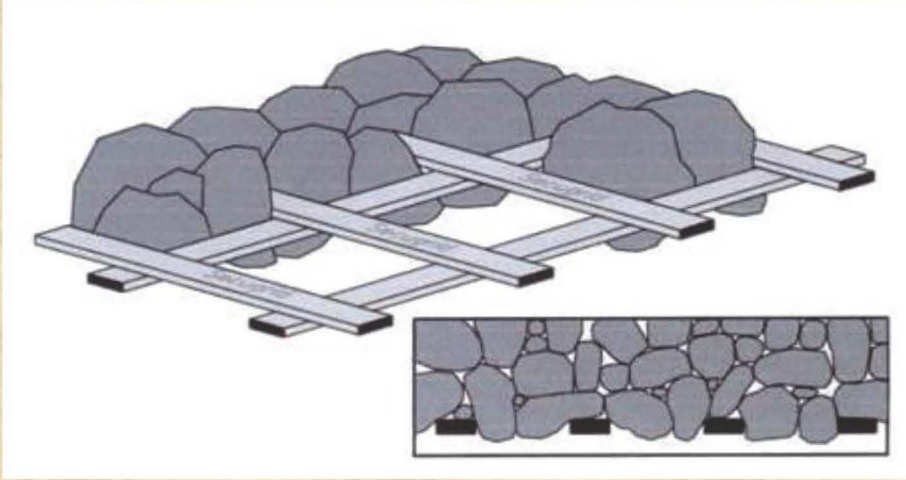
GEOGRİD TÜRLERİ

- Polyester Örgülü Geogrid
- Polyester Ekstrude Geogrid
- HDPE Ekstrude Geogrid
- Polipropilen Geogrid
- Aramid Geogrid

GEOGRİD TÜRLERİ



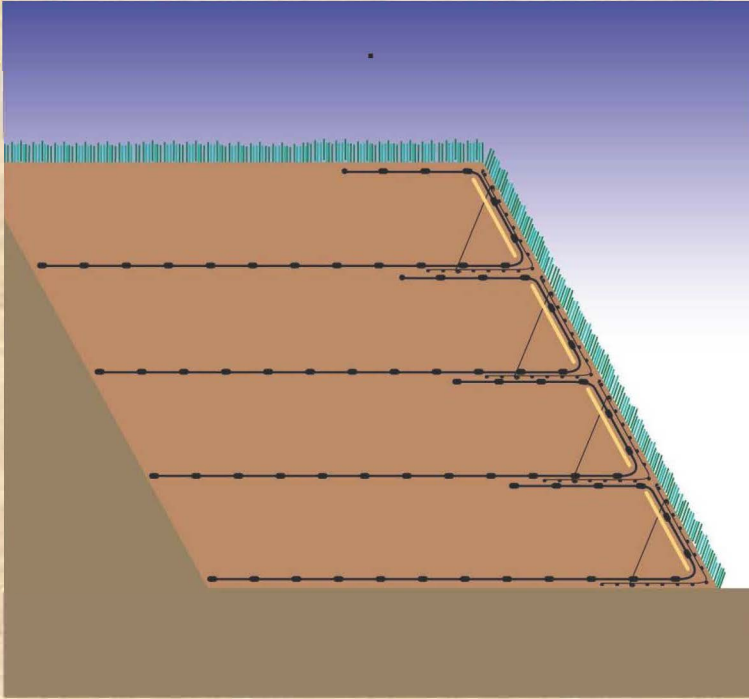
GEOGRİDLERDE KENETLENME PRENSİBİ



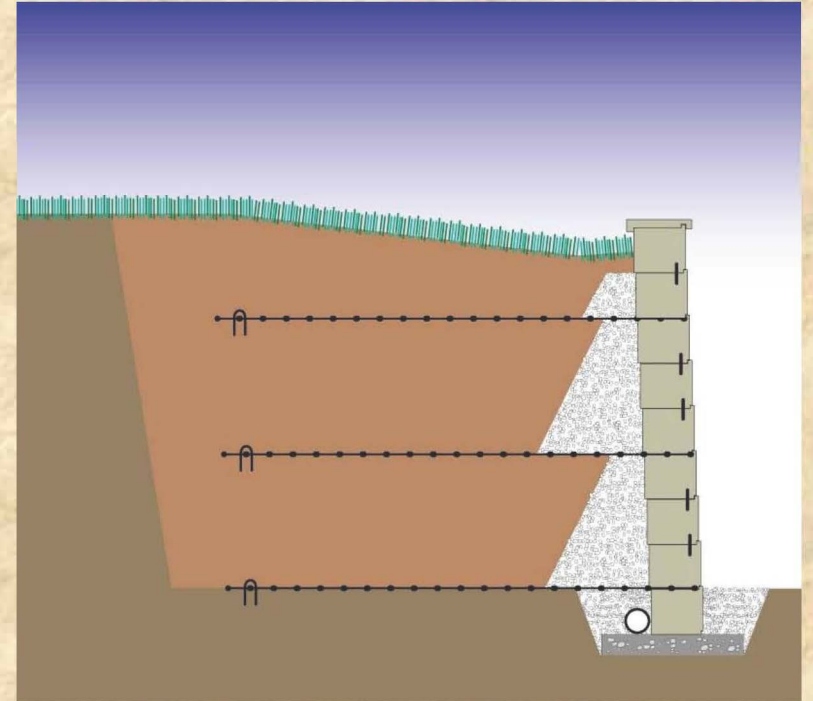
KULLANILACAK GEOGRİD NASIL OLMALIDIR?

- **Yüksek Çekme Mukavemeti**
- **2% ve 5% Uzamada Yüksek Mukavemet**
- **Yüksek Düğüm Noktası Mukavemeti**
- **Zemin-Geogrid Kitlemesi**
- **Yüksek Sıyrılma Mukavemeti**
- **Her Metrekarede Aynı Özellik**
- **Yüksek Kimyasal Dayanım**

YUZEY TIPLERINE GORE UYGULAMA YÖNTEMLERİ

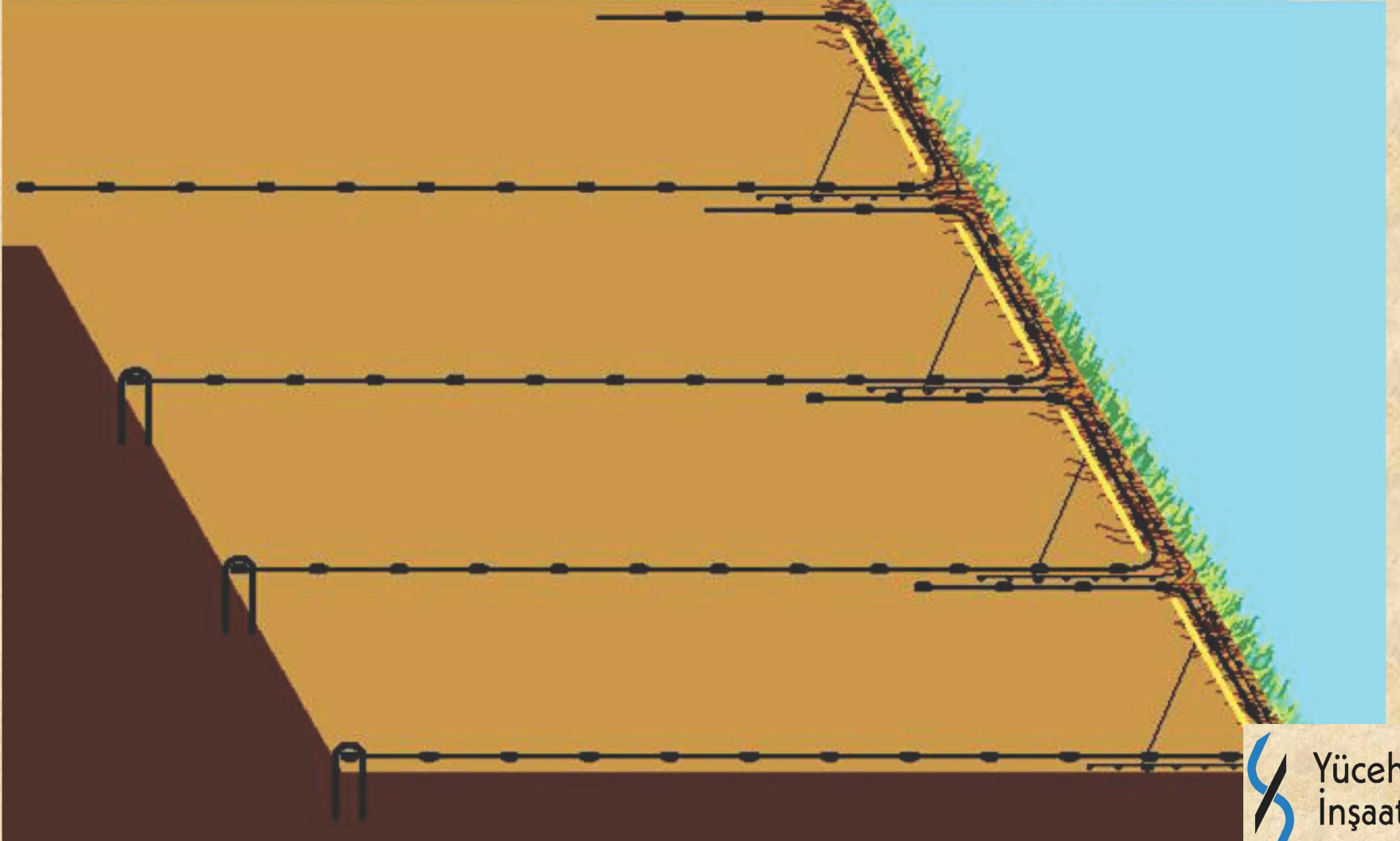


**Dik Şev
(Boşçalama)**

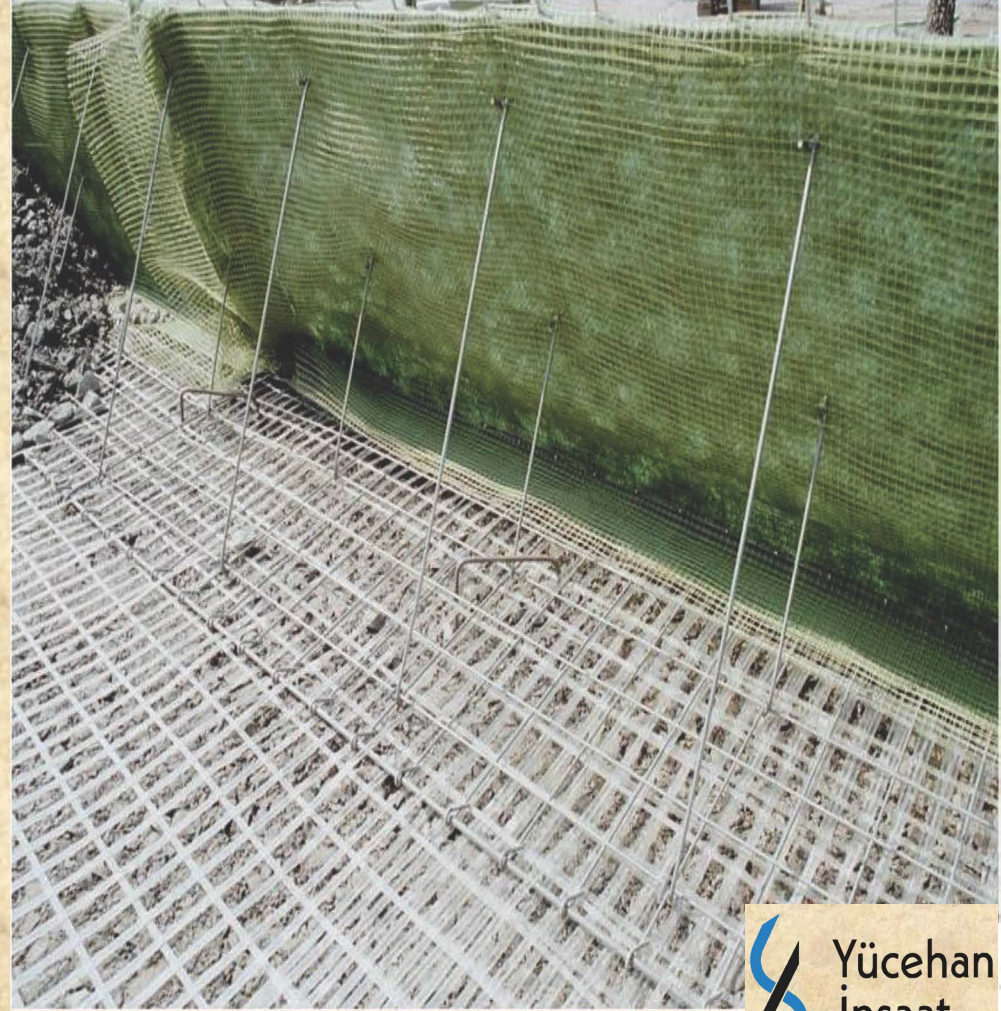


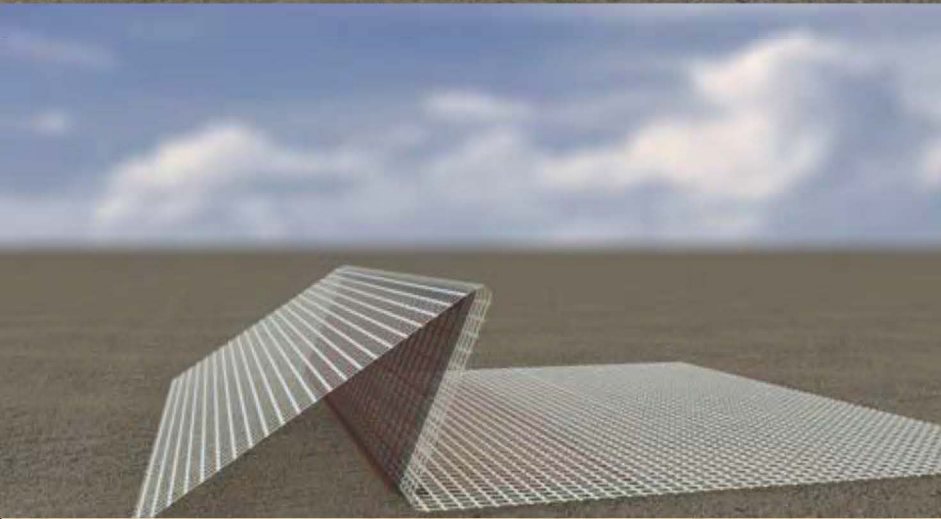
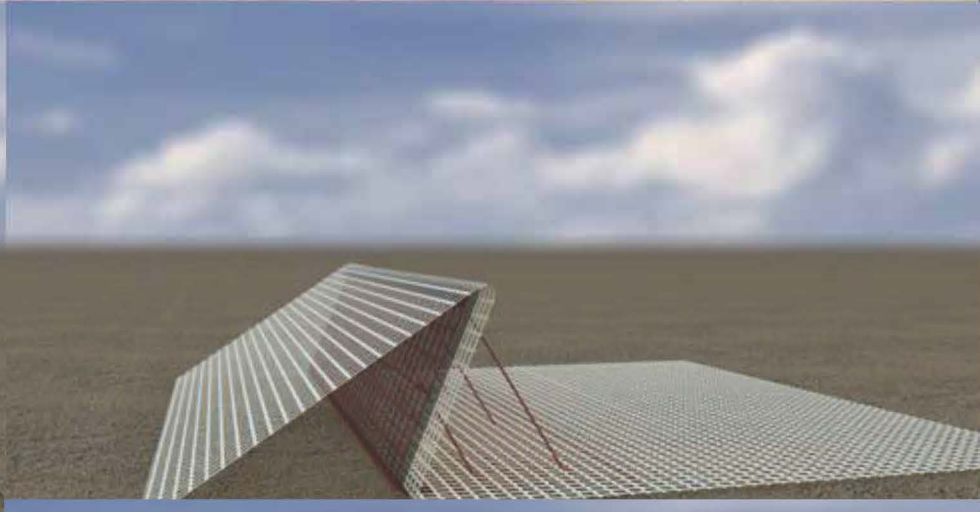
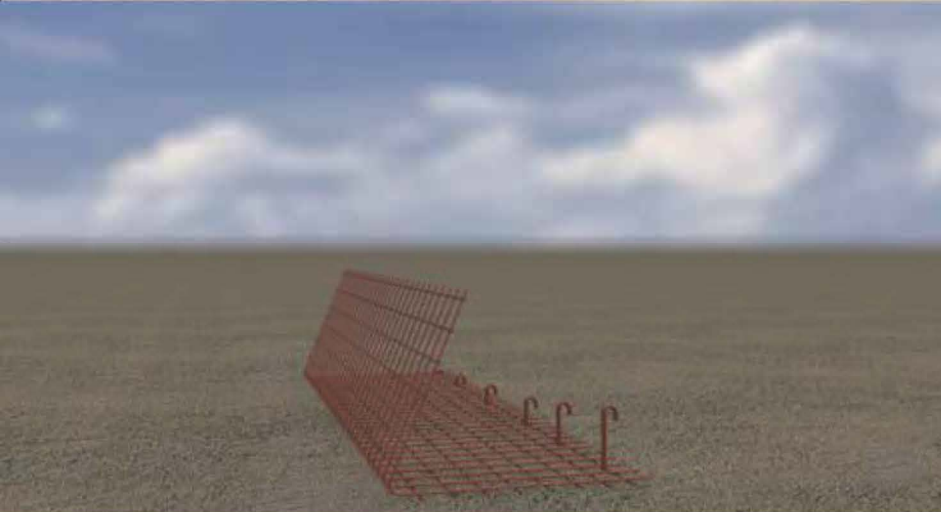
Dik Yüzeyli Uygulama

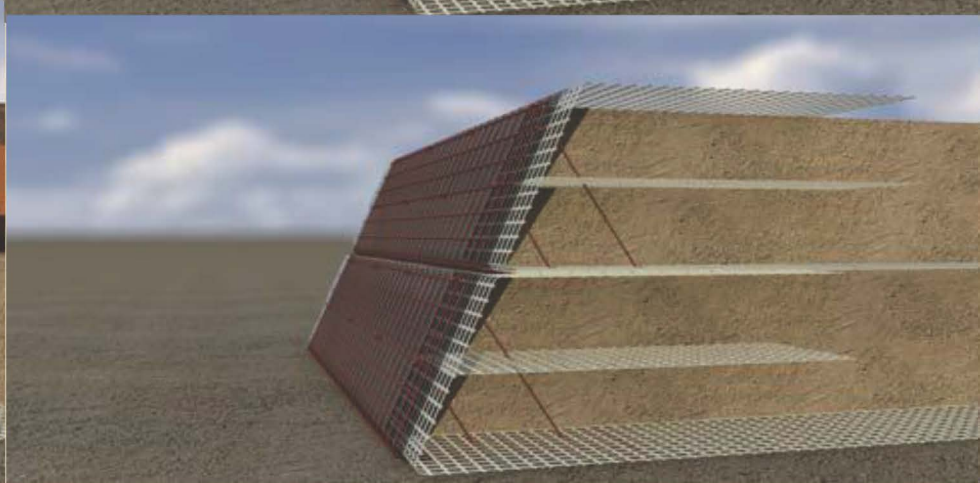
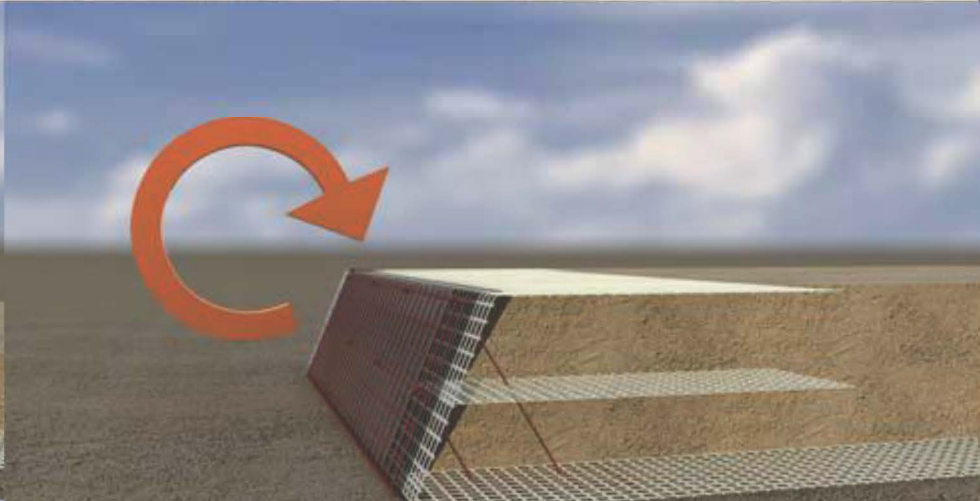
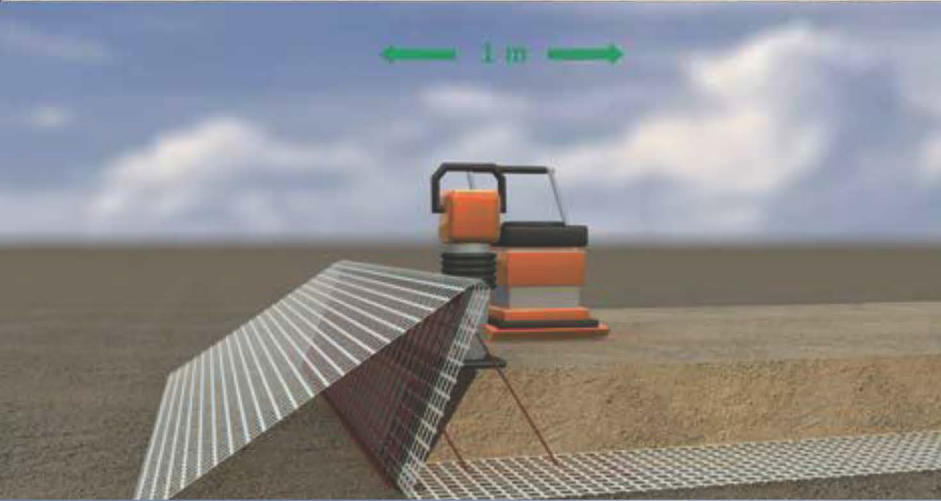
GREENARME İSTİNAT DUVARI



Greenarme Sistem Uygulaması

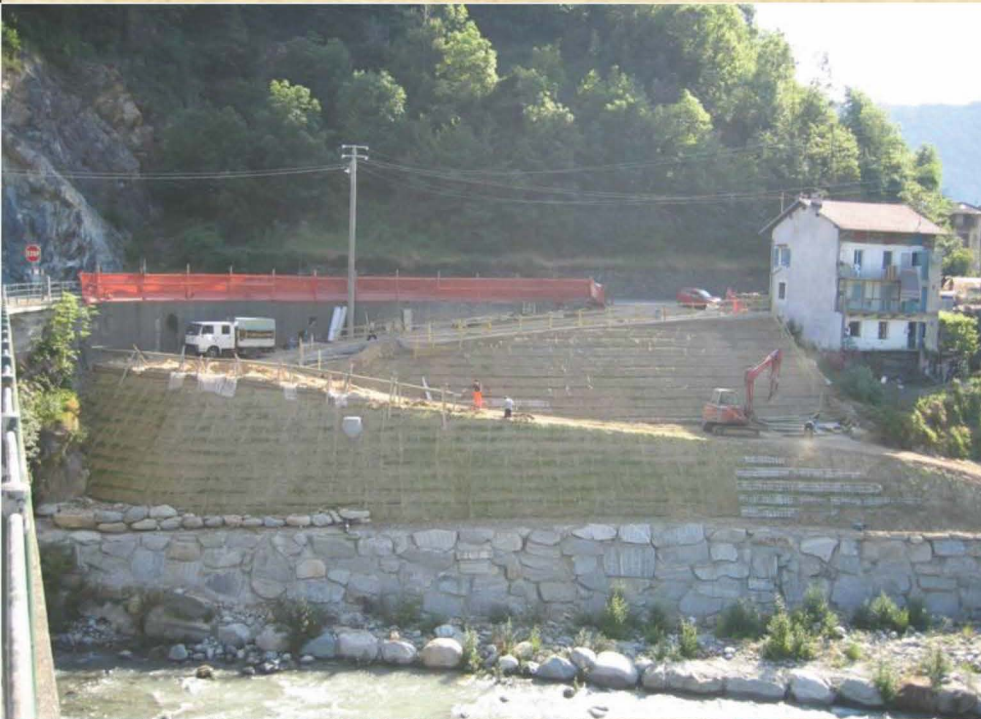


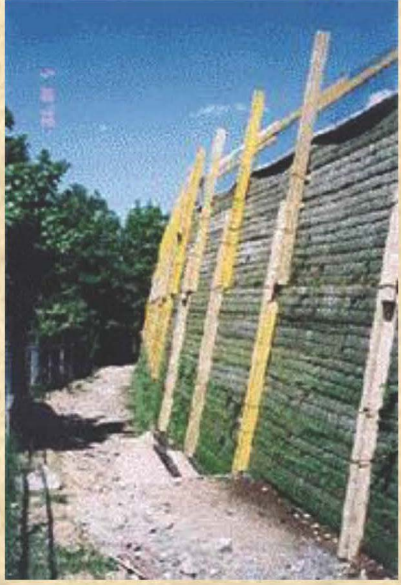




Donatılı Şev Uygulaması







H=17m
Şev Eğimi= 80°

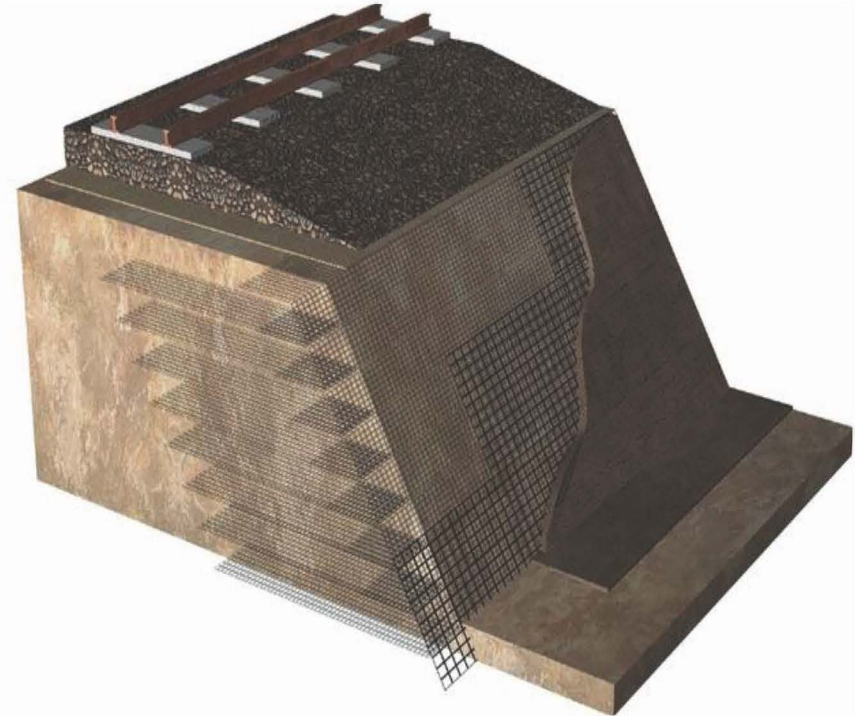
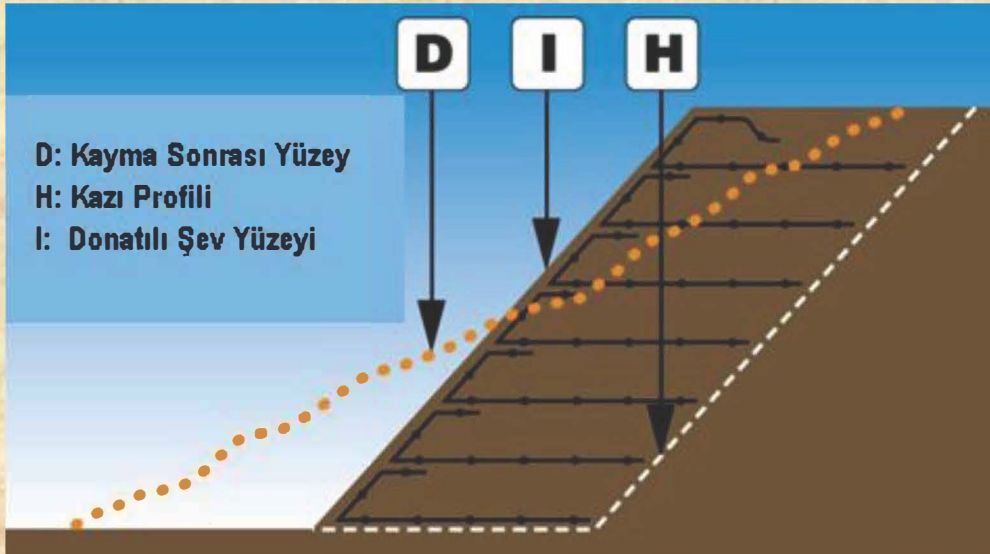
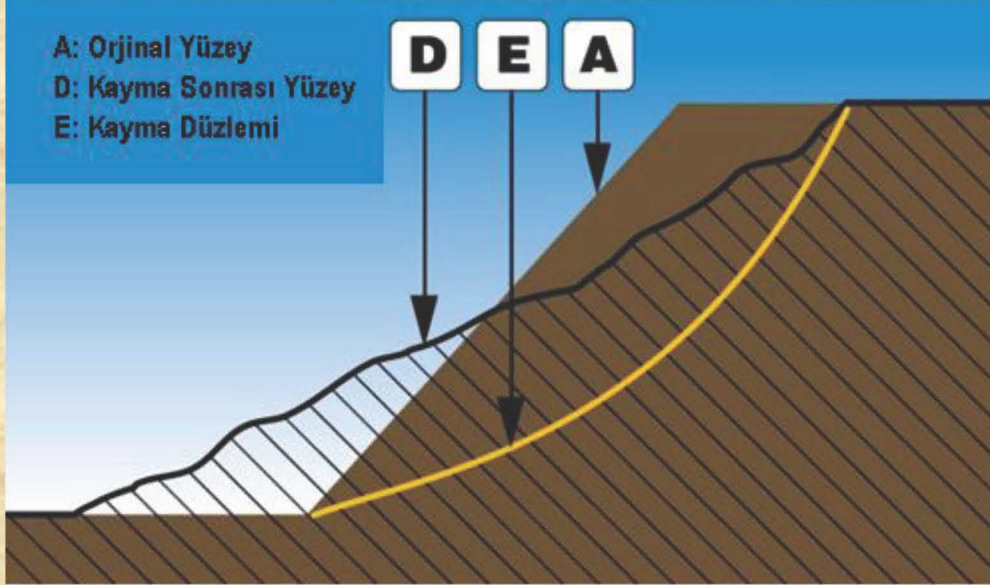




Yücehan
İnşaat

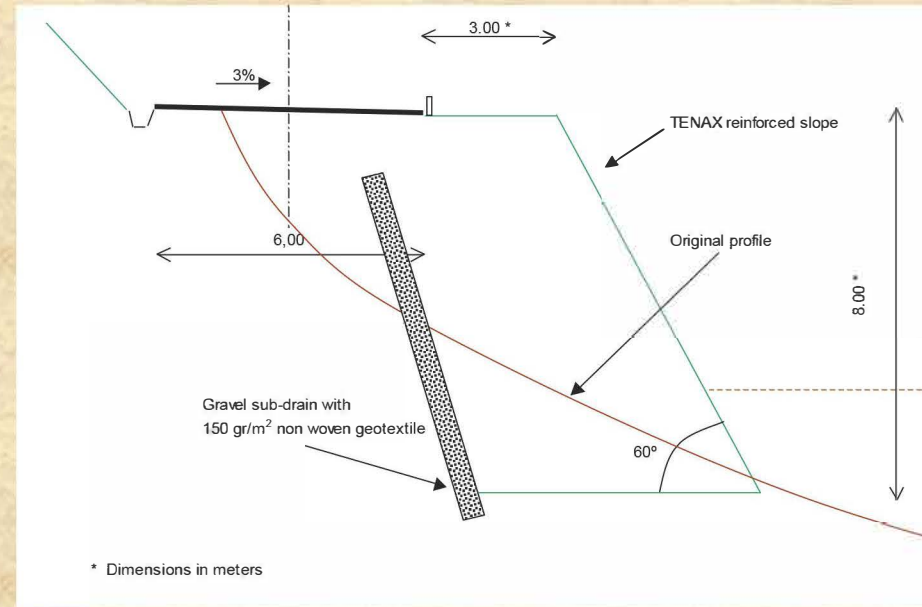


Şev Akmalarında Yapılan Uygulama



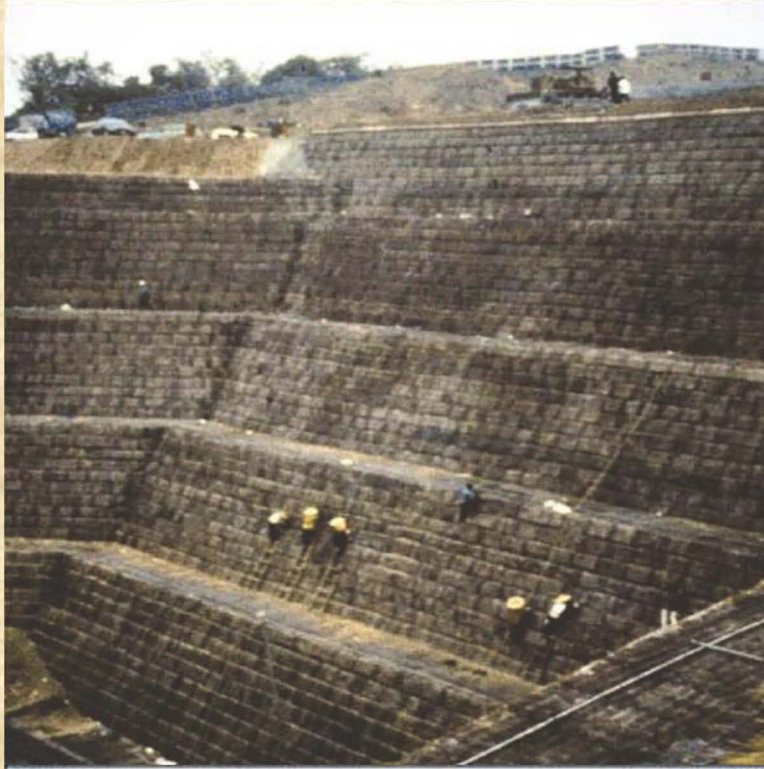
Şev Akmalarına Karşı Yapılan Uygulama

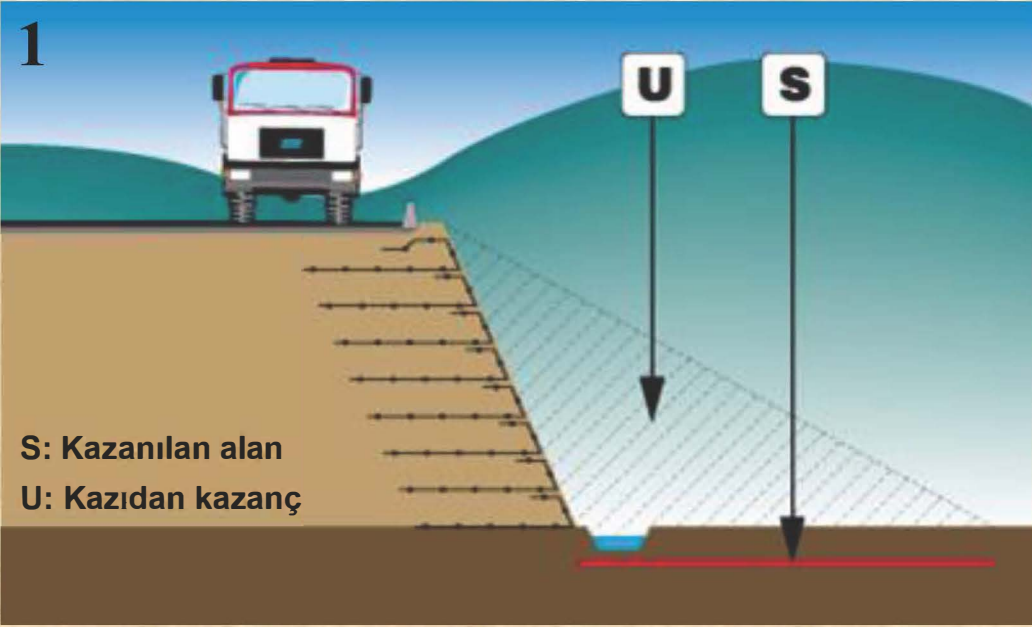




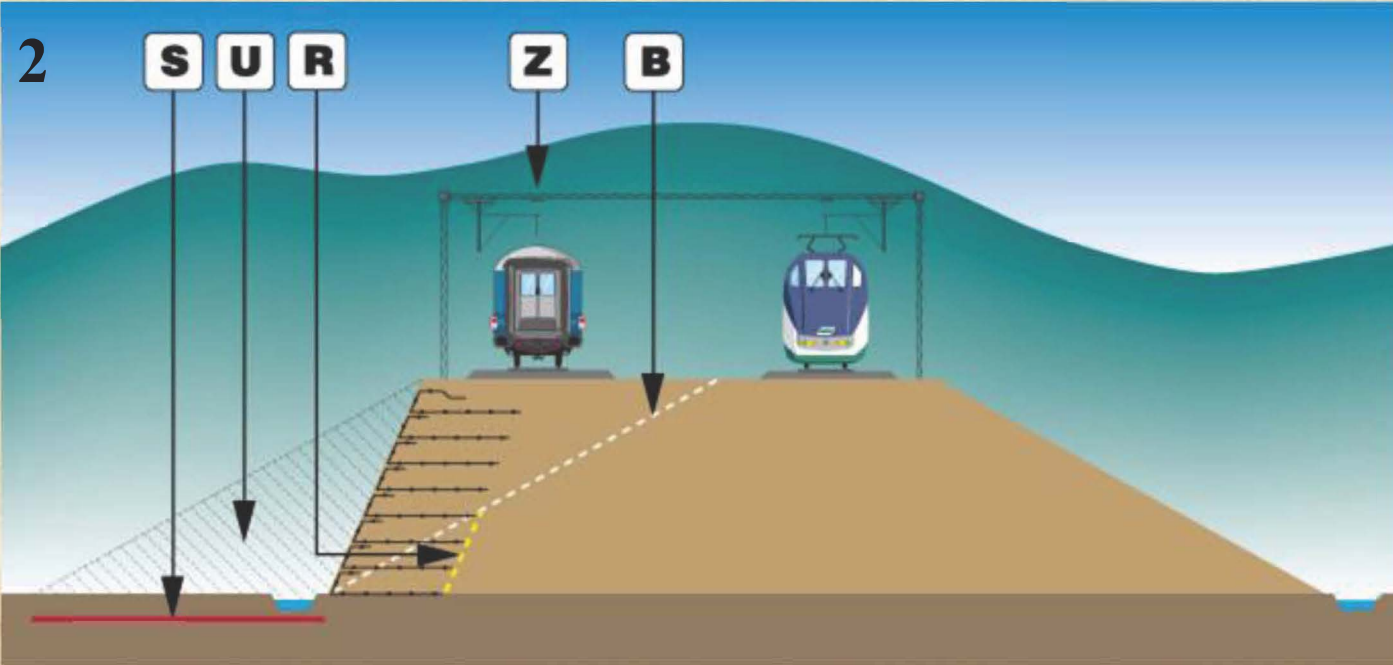
Donatılı Şev

H=35m





OTOYOL VE DEMİRYOLU PLATFORM GENİŞLETMELERİ



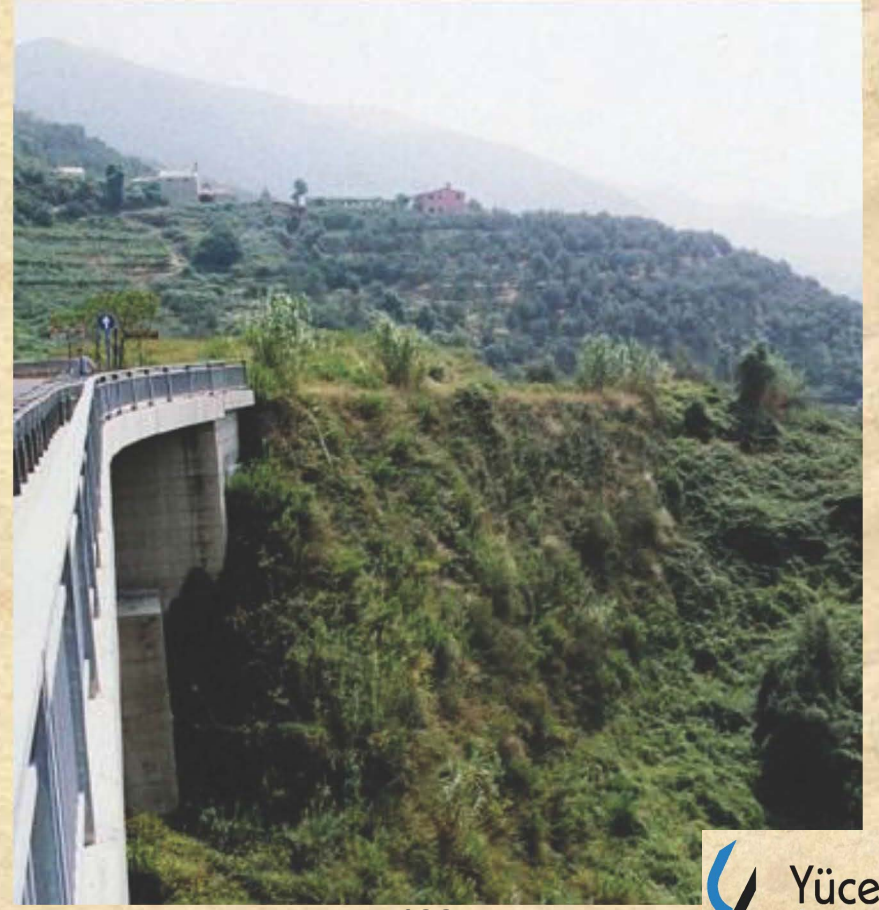
B: Orijinal Platform, R: Yapılacak Kazı, S: Dolgudan kazanılacak alan
U: Dolgudan Kazanç Z: Yeni Yol Hattı

Otoyol Köprü Yaklaşım Dolgusu

H=15 m



1990



1997



Demiryolu Dolguları



Otoyol Dolguları



KAVŞAK KOLU BAĞLANTISI

H=12,50 metre





Yücehan
İnşaat