

# BASE-SEAL



May 1992, after Parking Lot drained

## Case Study #3 - Parking Lot, Beer Creek Park

Parking Lot & Roadway was flooded for about 5 months

BASE-SEAL IS A POLYMER BASED MATERIAL USED IN ROAD BUILDING AND STRENGTHENING APPLICATIONS. IT ENHANCES STABILIZING PROCESS BY ACTING AS A LUBRICANT ALLOWING THE LIME, LIME KILN DUST OR CEMENT TO MIX INTO THE INSITU MATERIAL MORE EFFICIENTLY. VEC CIVIL ENGINEERING HAS ACQUIRED THE RIGHTS TO SUPPLY PRODUCTS AND ARE NOW UNDERTAKING TRIALS IN AUSTRALIAN CONDITIONS. BASE-SEAL HAS WIDE VARIETY OF APPLICATIONS; PARTICULARLY AREAS SUBJECT TO WATER INUNDATION AND REMOTE AREAS WHICH NORMALLY REQUIRE IMPORT OF MATERIALS TO SITE. THIS IS ONE OF THE MANY CASE STUDIES.

FOR MORE INFORMATION, VISIT OUR WEBSITE: [WWW.VEC.COM.AU](http://WWW.VEC.COM.AU)

## INNOVATION

In August 1991, a parking lot in Bear Creek Park was stabilized with Base-Seal.

From December 1991 to May 1992, this parking lot was underwater.

On May 20, 1992 after the flood water has been drained, there were no significant cracks or pot-holes occurred and no maintenance was required.

The parking lot support tractor-trailer trucks and the base remains solid to this date (August, 2007).

Base-Seal (BS-100) Liquid Stabilizer Benefits:

- Increased soil bearing capacity;
- Reduction of coefficient of permeability;
- Control swelling in clay;
- Reduced plasticity index; and
- No adverse reaction to high sulfates.

### VERSATILE

Base-Seal is a very effective additive for:

- Lime or soil cement;
- Saving costs; and
- Adding strength.

### ENVIRONMENTALLY SAFE

- Base-Seal is cost effective and easy to use simply dilute in water and then apply;
- No special procedures or handling;
- It is easy applied with common road construction equipment;
- Contains no acids or erosive materials; and
- It is not subject to special DOT, OSHA, or EPA requirements for transportation, storage or disposal of containers.

SOURCE: LTS ENGINEERING & MANAGEMENT LLC, TEXAS