

Alchatek

CASE STUDY
BUSINESS GROWTH

LOADING DOCK

A $3,500 Slab Lift Job Becomes *$377,000 Soil Stabilization Project*

How Lift It Rite Grew Into Commercial Soil Stabilization

SOIL STABILIZATION PROJECT
$377,000

PRODUCT
AP700 and AP475

01 What made this job *difficult.*

LOADING DOCK

Lift It Rite was a residential contractor, with 95% of their work in driveways, walkways, and steps. In Spring 2020, they were called to perform a routine $3,500 slab lift beneath a loading dock. Before proceeding, they asked Alchatek for a second look.

Testing with a Dynamic Cone Penetrometer, core soil samples, and a manhole inspection revealed a failing 72" stormwater pipe 25 feet below grade, with deflected joints and progressive soil failure. The scope had shifted from a slab lift to deep soil stabilization and infrastructure repair.

THE CONSTRAINT

72 *in*

FAILING STORMWATER PIPE

25 feet below grade

KEY CONDITION

A failing 72" stormwater pipe 25 feet below grade, with deflected joints and progressive soil failure.

AT A GLANCE

72 in	25 ft	1 month
STORMWATER PIPE DIAMETER	DEPTH BELOW GRADE	COMPLETION TIME

02 What was specified, *and how it went in.*

AP700 AND AP475

Instead of selling foam, Lift It Rite presented an engineered solution: chemical grout injection, deep stabilization with AP700, and void fill and lift with AP475. The facility remained operational. They competed against full pipe replacement. They won.

THE MATERIAL

AP700 and AP475

AP700 & AP475

AP700 used for deep stabilization; AP475 used for void fill and lift.

THE METHOD

01	02	03	04
Tested	**Collected**	**Inspected**	**Presented**
Tested the soil with a Dynamic Cone Penetrometer.	Collected core soil samples.	Inspected a nearby manhole to investigate potential water leak issues.	Presented an engineered solution using chemical grout injection, AP700, and AP475 instead of a standard slab lift.

03 What the result was, *and what confirmed it.*

PROJECT VALUE
SPRING 2020

Completed in about one month, the project was worth six months of normal residential revenue, comparable to Lift It Rite's entire first year in business.

They moved from residential slab lifting to commercial infrastructure stabilization, diagnosing root cause before prescribing solutions and gaining the confidence to bid deeper commercial scopes. The job opened a new revenue category for the company.

PROJECT VALUE

$377,000

Completed in ~1 month; equal to 6 months of normal residential revenue; comparable to their entire first year in business.

START THE CONVERSATION

Send us the job.
We will send back an approach.

Send us the soil report or the failure photos and Technical Services will return a written approach within two business days.

TECH SUPPORT

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Alchatek

Alchatek manufactures polyurethane resins, chemical grouts, and injection equipment for infrastructure repair: leak sealing, soil stabilization, concrete lifting, and seawall repair. Headquarters in Tucker, Georgia, with a bonded warehouse in Reno, Nevada.

Information in this document is believed accurate at the date of publication. Product performance depends on site conditions and application; consult the current Technical Data Sheet, which is the controlling document.