



**Demonstration of the UDI  
Injection Process**

**June 2013**

**Penn State University**



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WELCOME TO THE LWRYTEK USA  
PURPOSE: ILLUSTRATE THE PROCESS  
STABILIZATION OF SOILS THROUGH  
STRUCTURAL POLYMER  
SPECIMEN SPECIFICATIONS:

ITEM	QUANTITY
1. LIME (TYPE A) (55% MIN. S&W)	0.15" PLANK
2. S&W (55% MIN. S&W)	0.15" PLANK
3. POLYMER (S&W)	0.15" PLANK
4. POLYMER (S&W)	0.15" PLANK
5. POLYMER (S&W)	0.15" PLANK
6. POLYMER (S&W)	0.15" PLANK
7. POLYMER (S&W)	0.15" PLANK
8. POLYMER (S&W)	0.15" PLANK
9. POLYMER (S&W)	0.15" PLANK
10. POLYMER (S&W)	0.15" PLANK









CASE

1-800-UR-RENTS

TEXAS  
076-182

SPEED  
LIMIT  
55



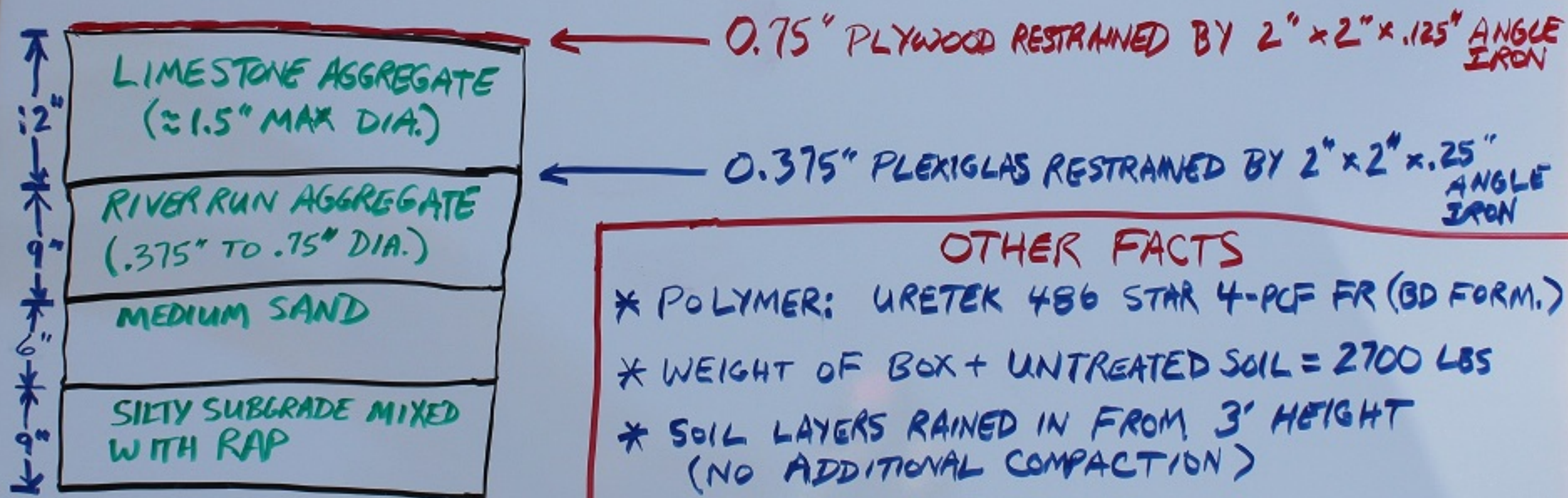




# WELCOME TO THE URETEK USA DEMONSTRATION

**PURPOSE:** ILLUSTRATE THE PROCESS OF INSITU STABILIZATION OF SOILS THROUGH INJECTION OF STRUCTURAL POLYMER

**SPECIMEN SPECIFICATIONS:**



## OTHER FACTS

- \* POLYMER: URETEK 486 STAR 4-PCF FR (BD FORM.)
- \* WEIGHT OF BOX + UNTREATED SOIL = 2700 LBS
- \* SOIL LAYERS RAINED IN FROM 3' HEIGHT (NO ADDITIONAL COMPACTION)
- \* POLYMER USED TO STABILIZE STATIC DISPLAY SPECIMEN = 150 LBS
- \* AD HOC UNCONFINED COMPRESSIVE TEST  
FRONT = 5.5" REAR = 10" GVW =  $\approx 12,000$  LBS