

N62604.PF.000722  
NCBC GULFPORT  
5090.3b

PRESENTATION SLIDES REGARDING CANAL ROAD CLEANUP AND SOIL REMOVAL SITE  
8 NCBC GULFPORT MS (PUBLIC DOCUMENT)  
7/25/2008  
KEMRON ENVIRONMENTAL SERVICES, INC

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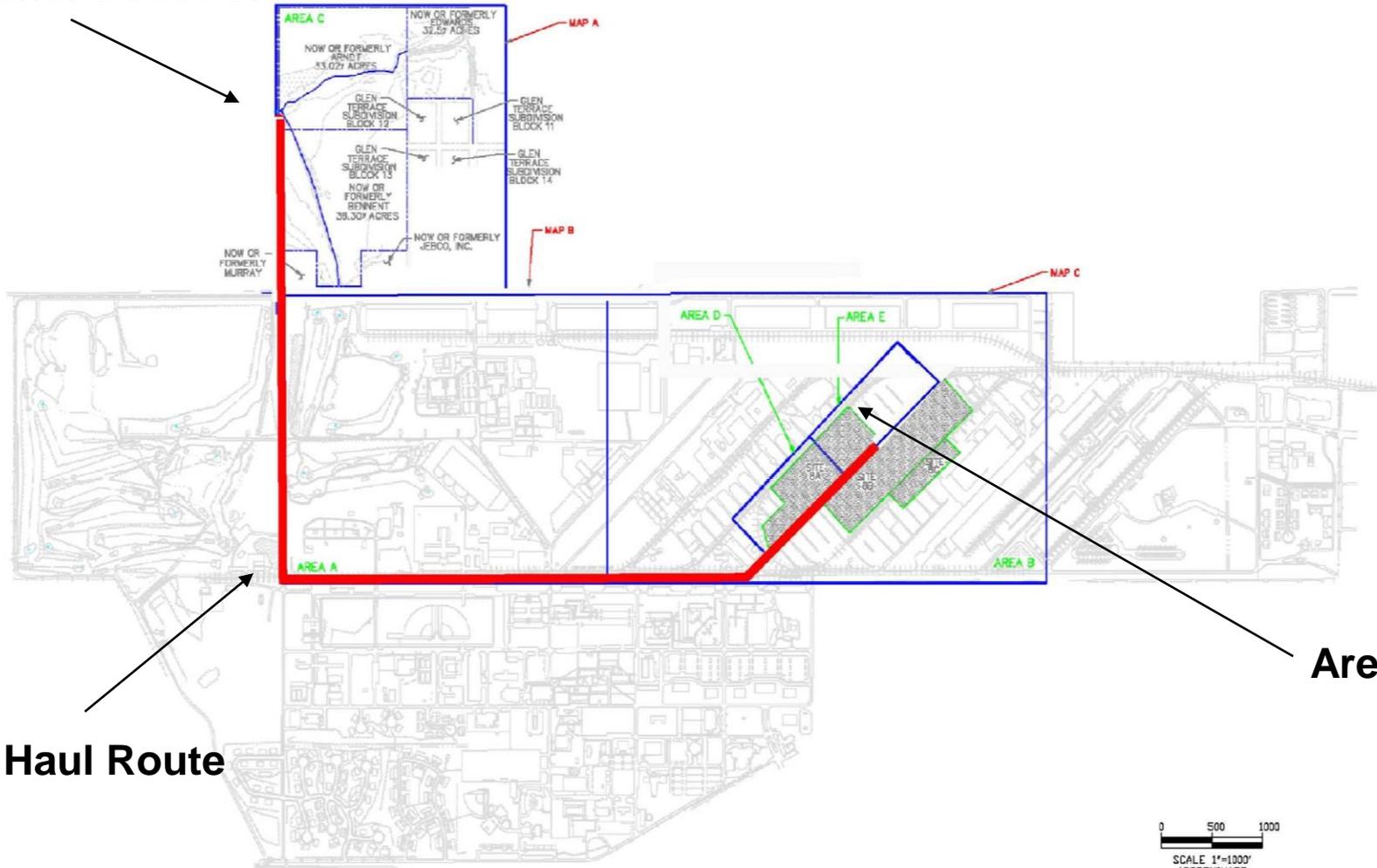
# Canal Road Cleanup



# Project Requirements

- Removal of approximately 6,000 tons of soil from along Canal Road
- Transport the soil to Area 8b for stabilization
- Stabilize the excavated soil with portland cement
- Finish grade and roller compact the treated soil at Area 8b
- Site work began 2-18-08, finished 7-25-08

# Canal Street Site



Haul Route

Area 8b

### LEGEND

 HAUL ROUTE



DRAWN BY:	DATE
KG	4 MARCH 2008
REVIEWED:	PROJECT NO.
No	SE5005-001-001
-	DWG. FILE NO.
APPROVED:	NCBC GULFPORT

FIGURE 7-2

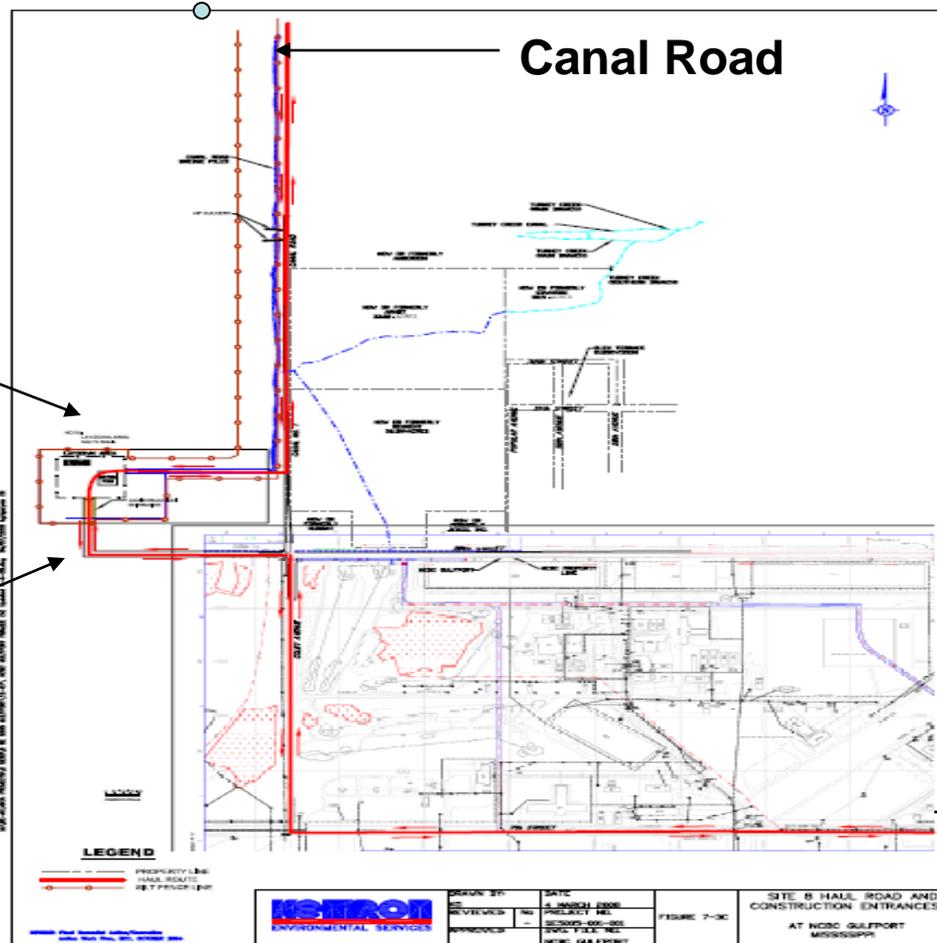
REMEDIAL ACTIONS  
FOR SITE 8B AND 8C  
  
AT NCBC GULFPORT  
MISSISSIPPI

SOURCE: Final Remedial Action/Corrective Action Work Plan, ECG, OCTOBER 2004

# Canal Road Site Location

Project Site

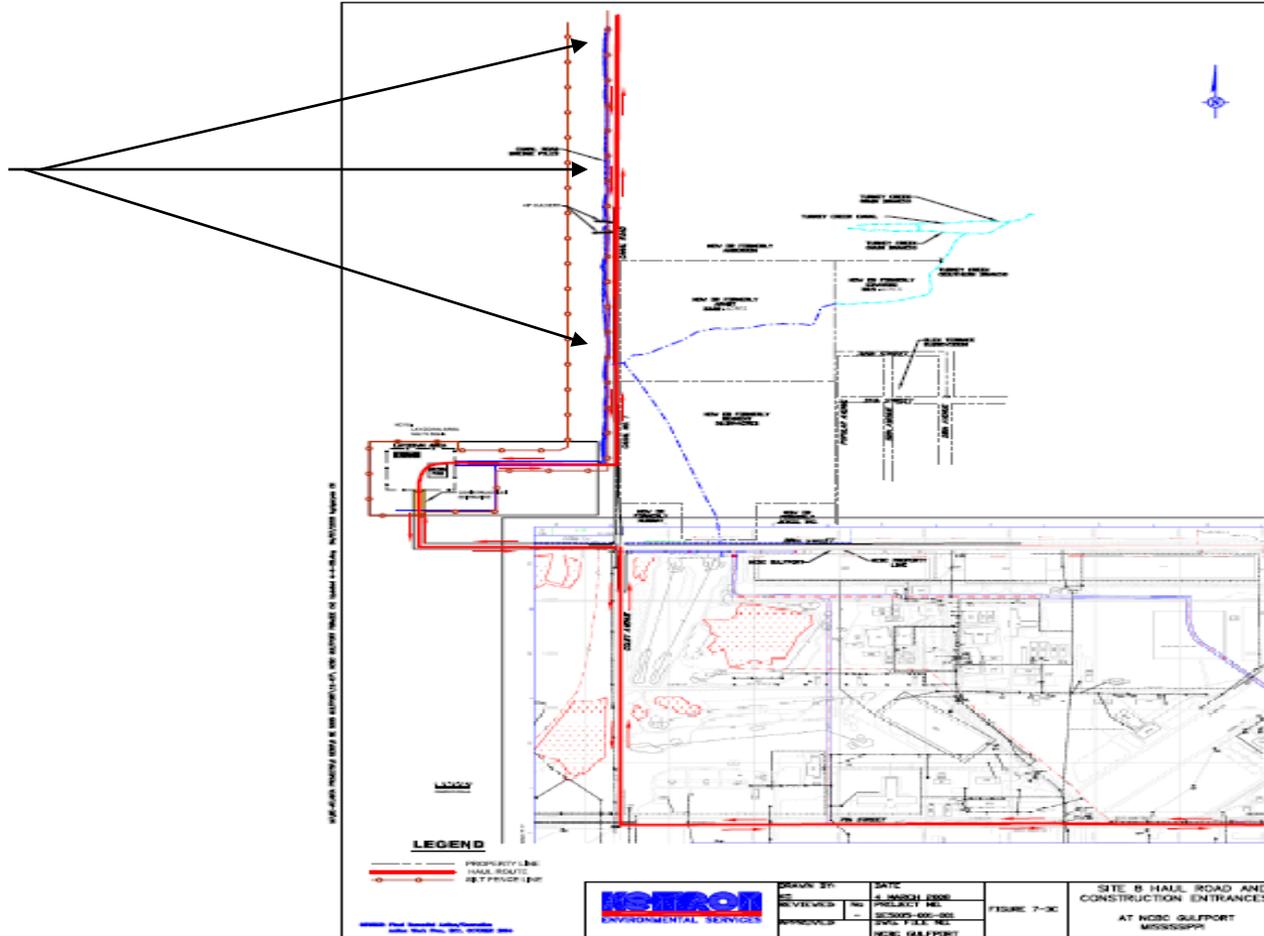
Ladnier Homes



To Area  
8b

# Canal Road Soil Piles Location

Soil Piles



To Area  
8b

Canal Road

Canal

Soil Piles

Soil Piles

Piles





**Soil Pile**

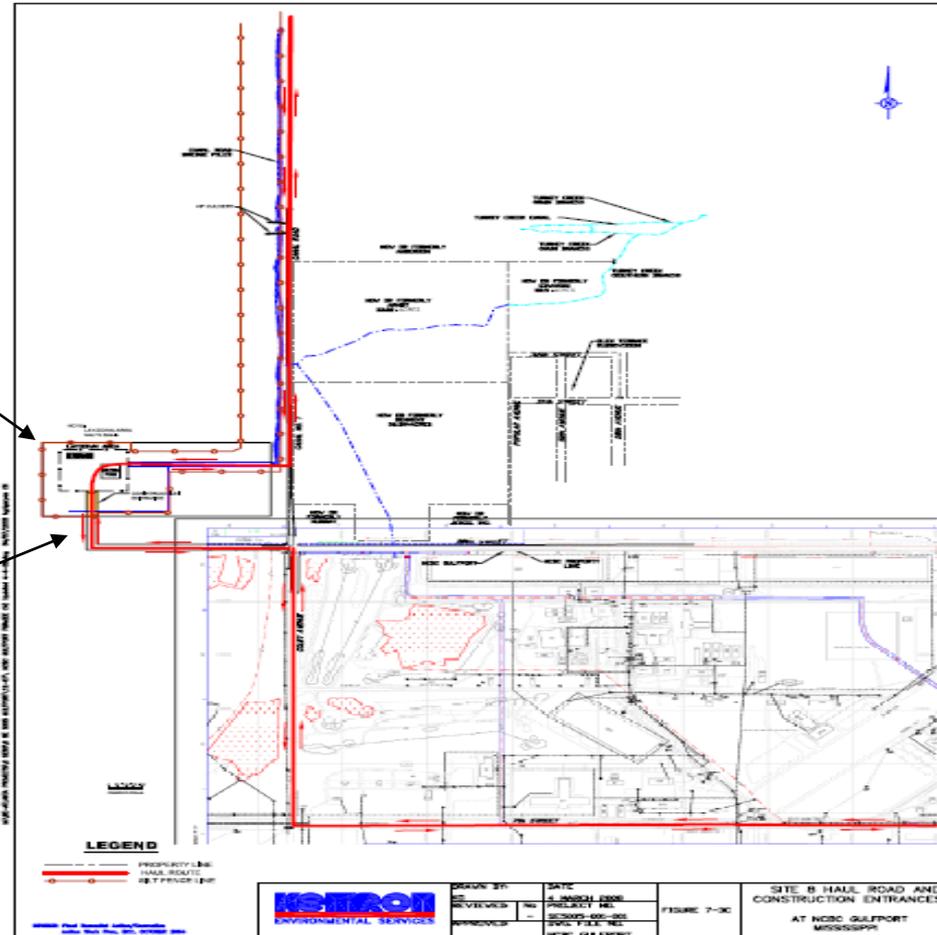
# Project Steps

1. Construct equipment laydown areas
  - 72<sup>nd</sup> Street
  - Area 8b
2. Clear trees & construct access road to soil piles
3. Excavate soil & transport to Area 8b
4. Treat soil and finish grade at Area 8b

# Step 1 - Laydown Area Construction

Laydown Area

Ladnier Homes





**Office trailer**

**New materials staging**

**Laydown Area**



# Laydown Area

**Stage Equipment**

**Wash Tires**

**Site office trailer**



Decon water holding tanks

Concrete Decontamination Pad

04/11/2008

# Construction of scales and Decontamination pad at Area 8b



04/02/2008



ModSpace  
www.modspace.com

KERRON  
CONCRETE SERVICES  
813-241-4444

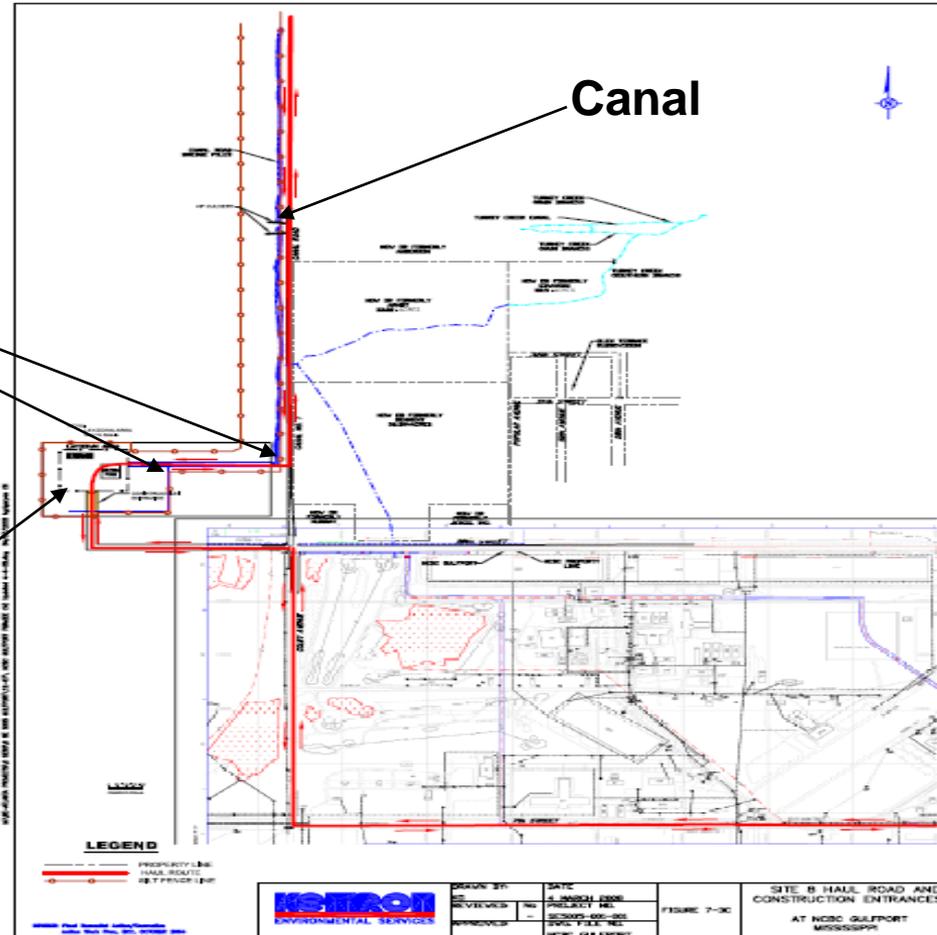
K3D-01

440 10000

# Step 2 – Clear trees and construct access road to the canal

Access road

Laydown Area



# Access road construction

1. Clear & Grade
2. Place fabric
3. Place stone



Ladner Homes



Laydown area



03/07/2008



**Canal starts here**



**Access road between the laydown area and the start of the canal looking east**





02/21/2008

**Soil piles**



**Tree clearing**

04/04/2008





**Soil piles**

**Road constructed to access the soil piles**

**Spoils piles**



**Canal**



# Step 3 – Excavate Soil

- Excavate spoils piles with a hydraulic excavator
- Load excavated soil onto special dump trucks
- Transport the soil to Area 8b for treatment



**Excavation Boundaries**



**Truck loading mat**

**Hydraulic excavator**





T190  
Bobcat

Sample points

04/22/2008



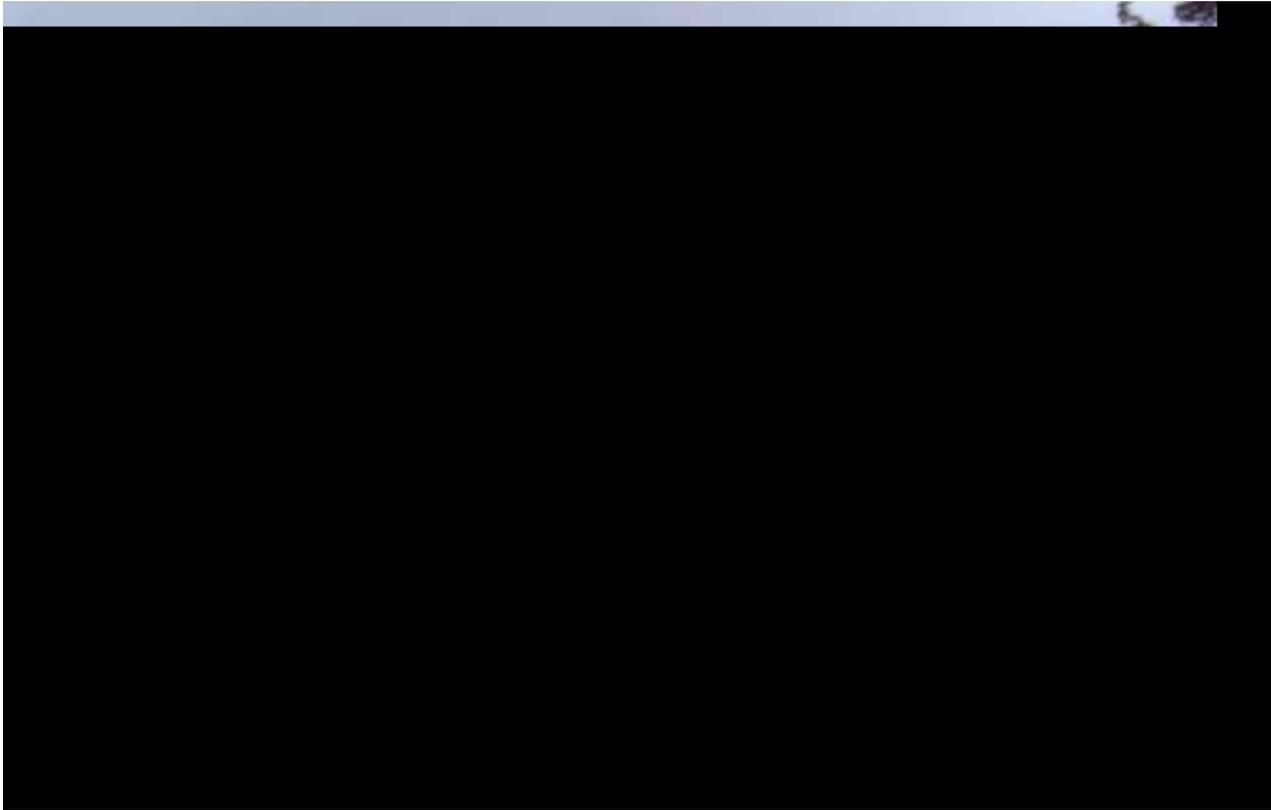
**Completed – June 2008**

# Transportation of Soil

- The soil was loaded onto special dump trucks
- Each load was tarped during transport of the soil to Area 8b
- Truck tires were always washed before leaving the site



# Canal Road 72<sup>nd</sup> Street Truck Decon Pad



Double Click black screen

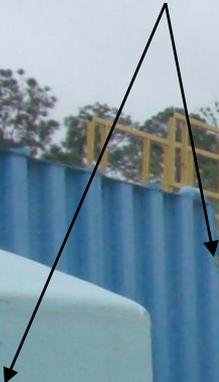
# Tarping the truck



04/08/2008

# Pressure washing the trucks tires

Wash water storage



04/07/2008



**All truck loads were securely tarped prior to leaving the site.**



# Area 8b, NCBC

- Upon arrival at Area 8b each truck was weighed
- The tarps were removed to accommodate unloading
- Each truck unloaded in a designated area
- After unloading, the truck tires were washed

**A truck being weighed on the scales upon arrival  
at Area 8b**



05/13/2008

Area 8b



04/07/2008

**After unloading, truck tires are washed at the Area 8b decontamination pad**





CAT

CATERPILLAR

Pucket CAT  
BIL1209

# Step 4 – Treat Soil and Finish Grade

- Prepare the surface of 8b for soil bonding
- Soil piles were spread to a 6 inch thick layer
- Portland cement was applied
- Mixing of the soil / cement / water to complete the stabilization process
- Re-grade and roll the treated material to a finished surface



**Preparing surface for bonding**

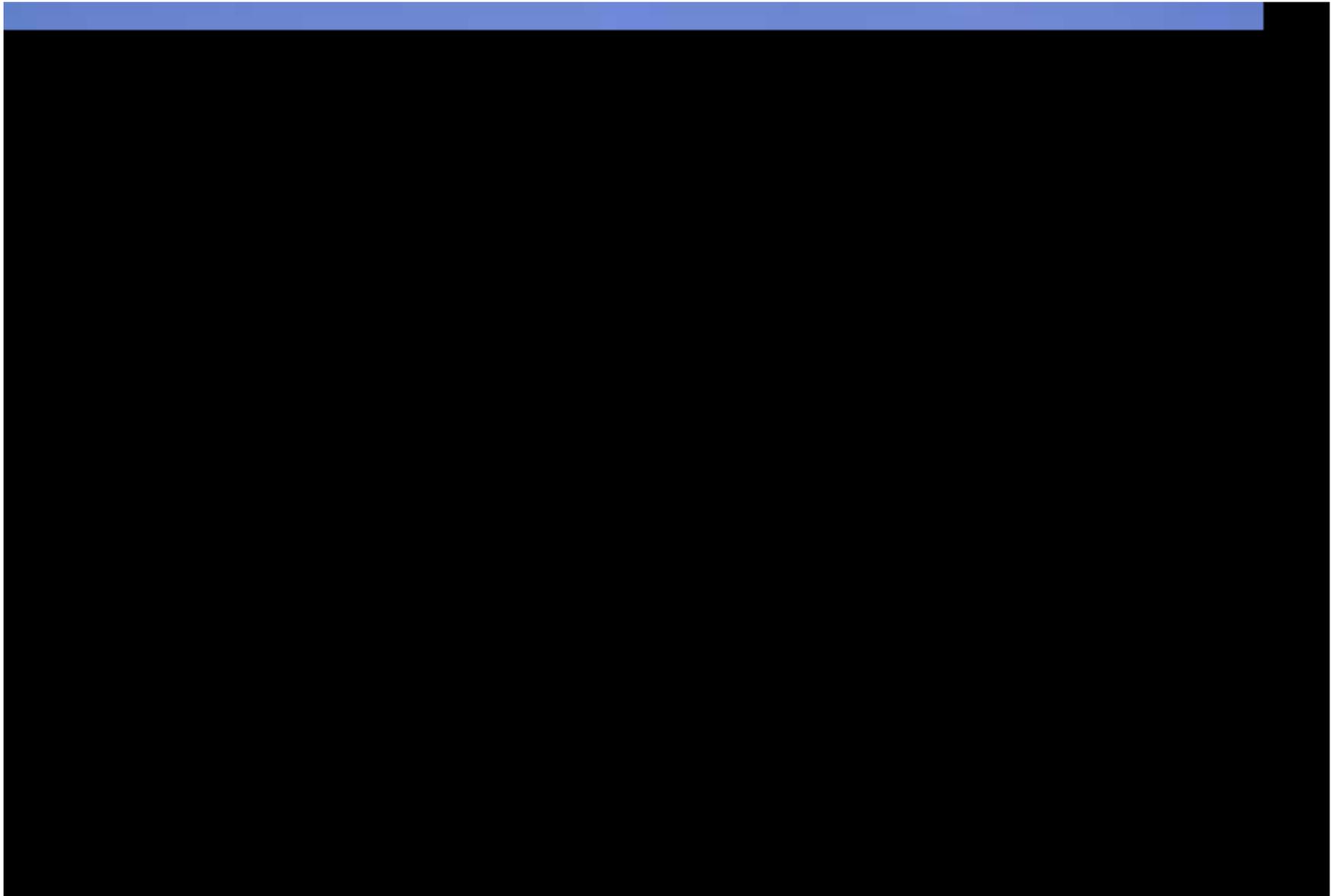
04/03/2008

The portland cement was applied with a tanker truck



**Portland cement applied to  
the soil prior to mixing**





**Soil stabilizer used to blend the cement into the soil being treated**





Soil stabilizer

04/03/2008



**Roller compacted stabilized soil**



**Roller compactor**

02/16/2008

**2 water trucks were used for dust control**



**2 inch hose and spray nozzle**

**Spray bars front and rear**

03/31/2008



**Area 8b finished**



**Area 8b completed**





**Canal Road area completed 7-25-08**

**570 truck loads of soil moved**

**200+ confirmation soil samples**

**4400 man-hours worked**

**No Lost time accidents**

**No OSHA reportable incidents**



04/08/2008