# Construction in Photos

September 1 – 30, 2016

## Water Resource Recovery Department

### Village of Ashville

### Ashville's Water Resource Recovery Facility

### Part A

Presentation Available on Line at:
www.ashvilleohio.gov

# Ashville's WRRF Project

## Vision Statement

- Remembering our rural heritage, Ashville will be a vibrant and friendly community, offering an enhanced quality of life achieved through planning, progress and collaboration.

  It will be a welcoming place where people want to live and businesses prosper.

# Ashville's WRRF Project

## Construction Aerial Photo

From September 8, 2016

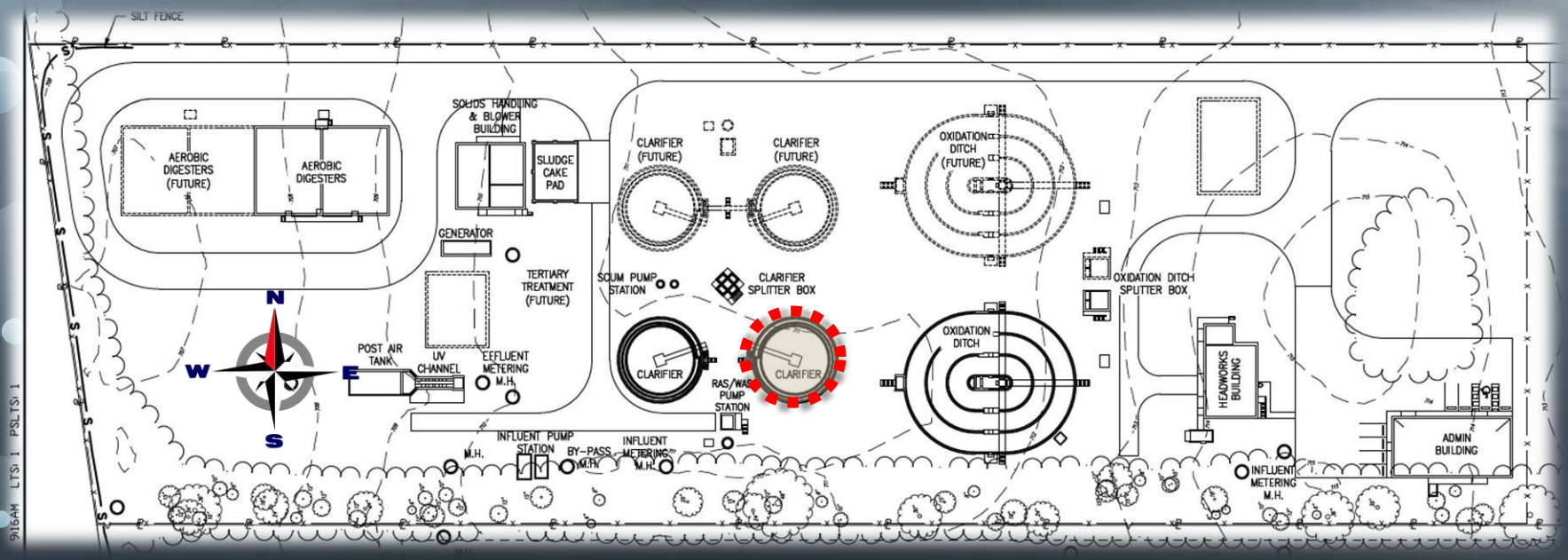
# Ashville's WRRF Project

## Construction Aerial Photo

From September 8, 2016

# Ashville's WRRF Project

## Construction in Photos



# Ashville's WRRF Project

## Construction in Photos

- September 7, 2016
- Peterson's crew installing DBR's and working on cutting out the opening for the 4th overflow tube of the 7th wall section of the East clarifier.
- Job No: 60440011

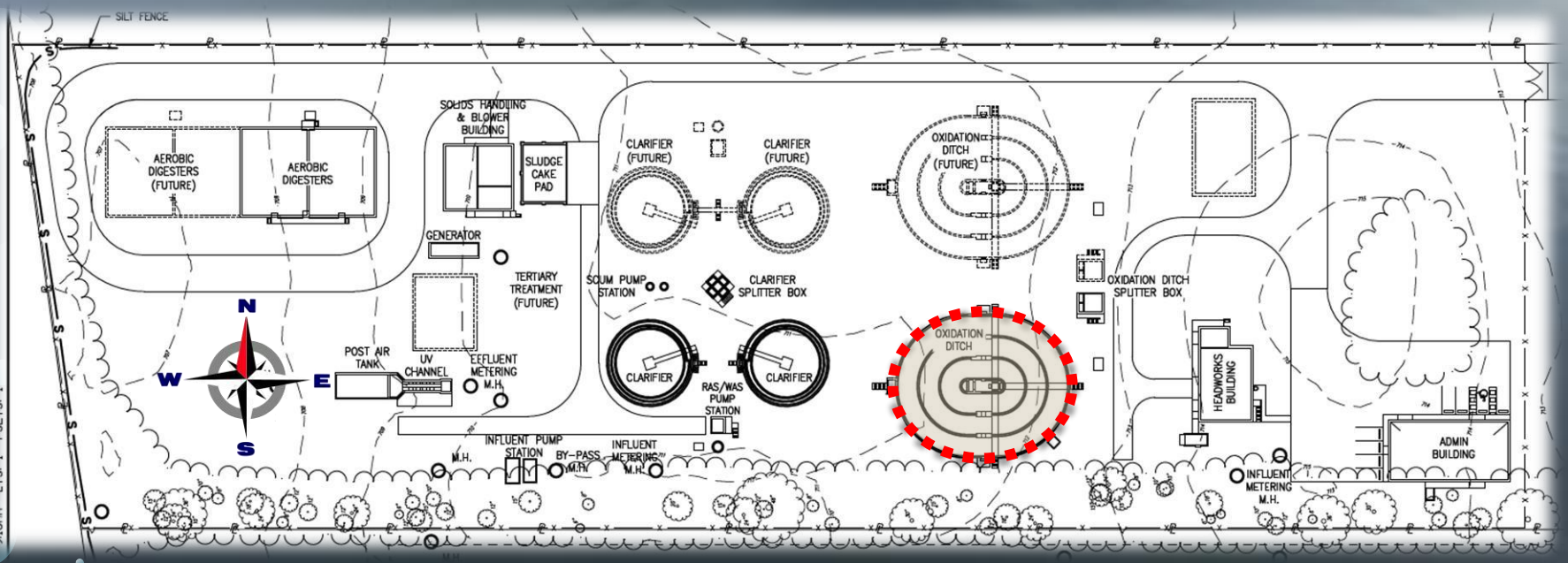
# Ashville's WRRF Project

## Construction in Photos

- September 8, 2016
- Peterson's crew stripping the wall forms from the 8th wall section of the East Clarifier.
- Job No: 60440011

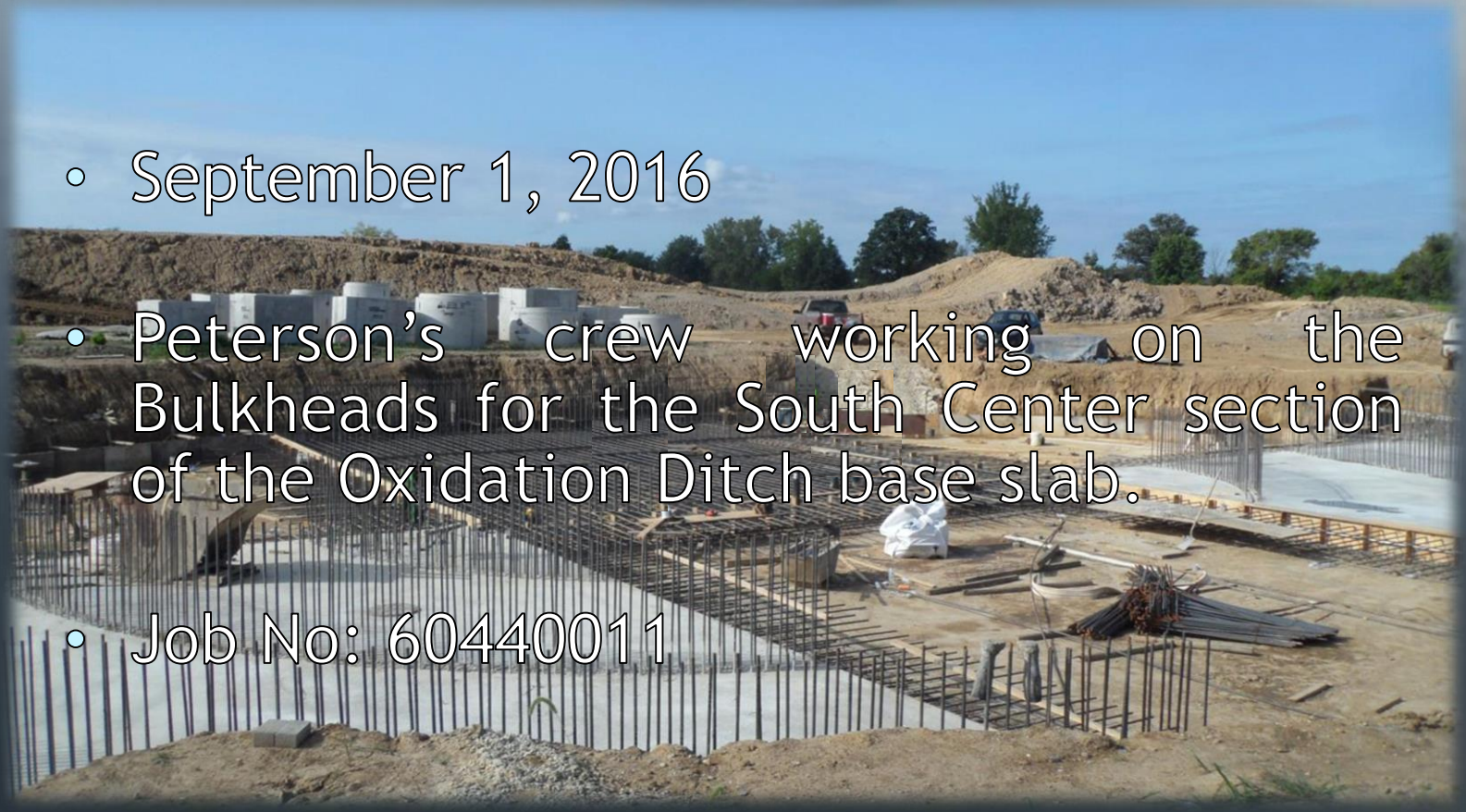
# Ashville's WRRF Project

## Construction in Photos



# Ashville's WRRF Project

## Construction in Photos



- September 1, 2016
- Peterson's crew working on the Bulkheads for the South Center section of the Oxidation Ditch base slab.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos

- September 2, 2016
- Peterson's crew using a motorized concrete trowel to finishing the 140 cubic yard concrete pour for the South Center slab section of the Oxidation Ditch.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos

- September 6, 2016
- Peterson's crew are stripping bulkheads from the South Center slab section while Midwest Reinforcing get started on installing the base slab rebar for the North Center section of the Oxidation Ditch.
- Job No: 60440011

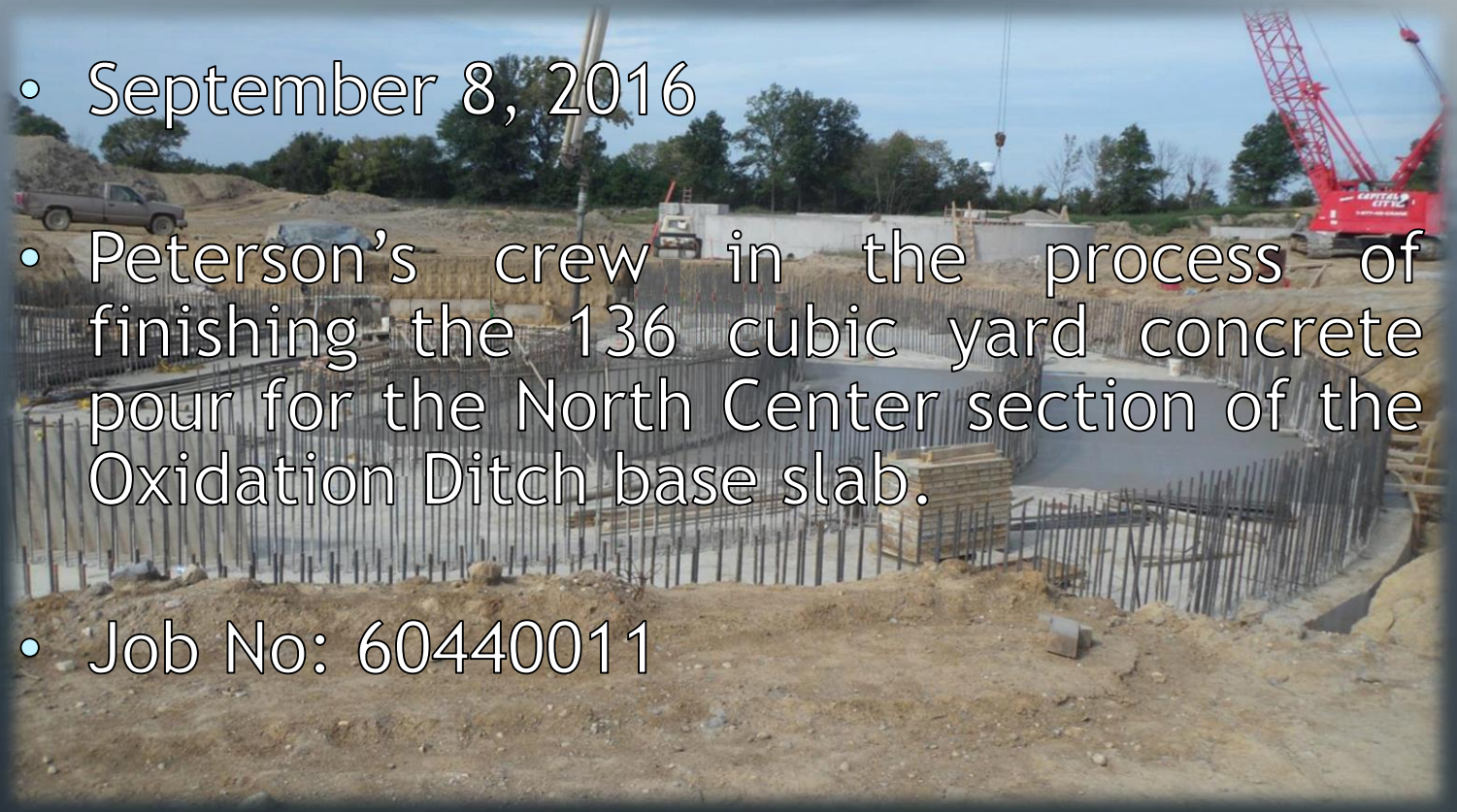
# Ashville's WRRF Project

## Construction in Photos

- September 7, 2016
- Midwest Reinforcing installing the wall dowel rebar for the North Center section of the Oxidation Ditch base slab.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos



- September 8, 2016
- Peterson's crew in the process of finishing the 136 cubic yard concrete pour for the North Center section of the Oxidation Ditch base slab.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos

- September 9, 2016
- Midwest Reinforcing installing base slab rebar for the Southeast section of the Oxidation Ditch.
- Job No: 60440011

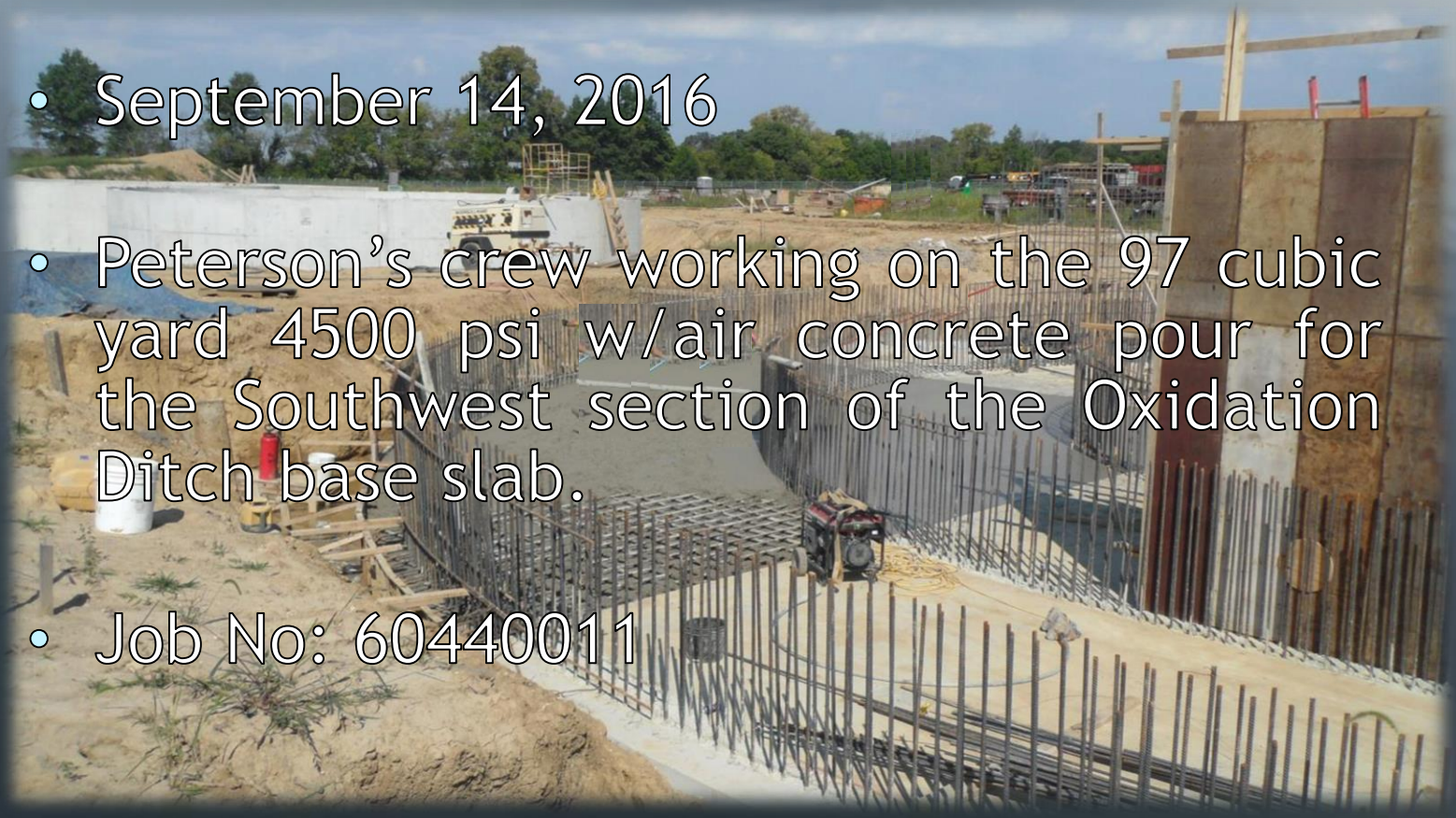
# Ashville's WRRF Project

## Construction in Photos

- September 14, 2016
- Midwest Reinforcing working on the inner face wall rebar for the 32'-2" radius wall of the Oxidation Ditch.
- Job No: 60440011

# Ashville's WRRF Project

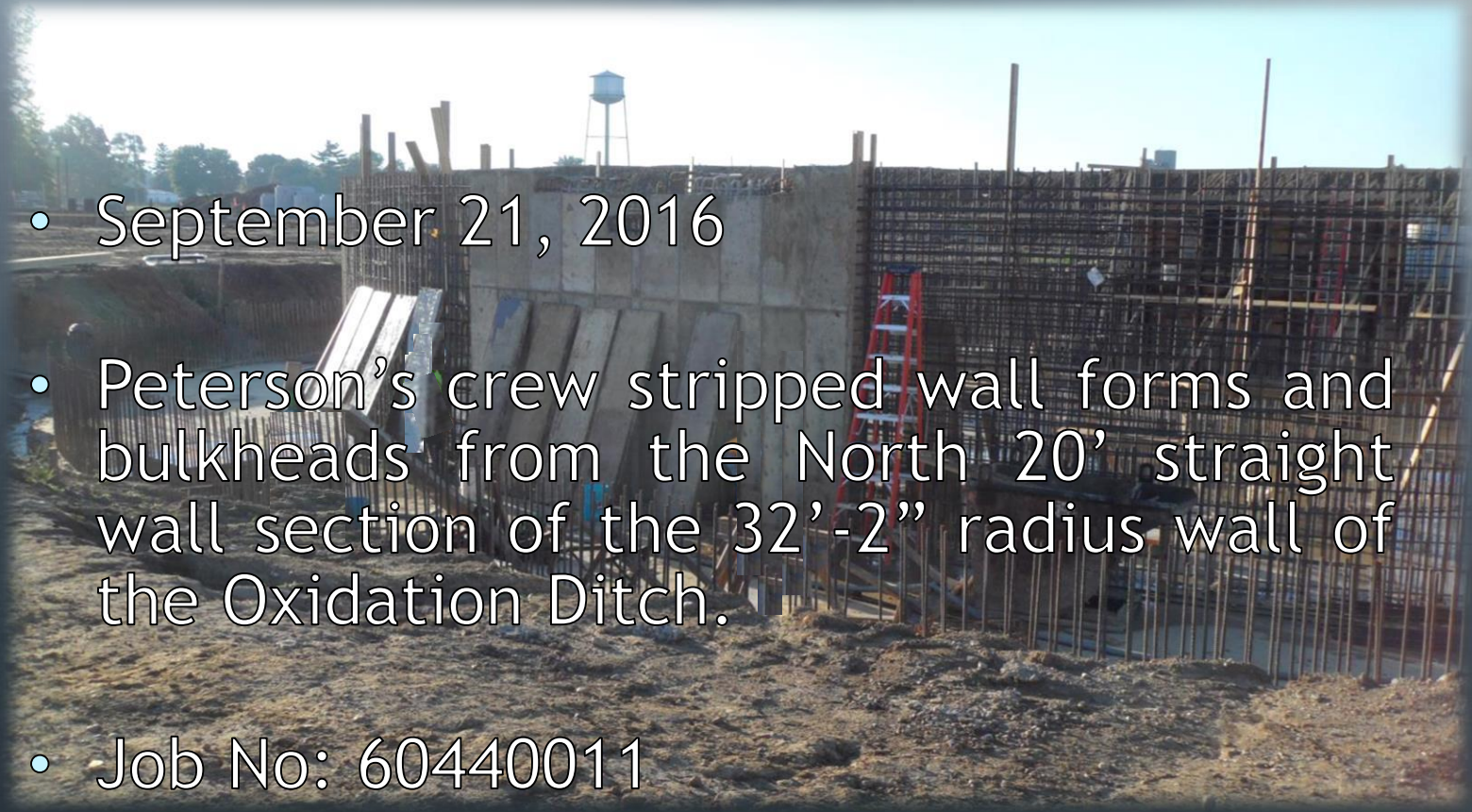
## Construction in Photos



- September 14, 2016
- Peterson's crew working on the 97 cubic yard 4500 psi w/air concrete pour for the Southwest section of the Oxidation Ditch base slab.
- Job No: 60440011

# Ashville's WRRF Project

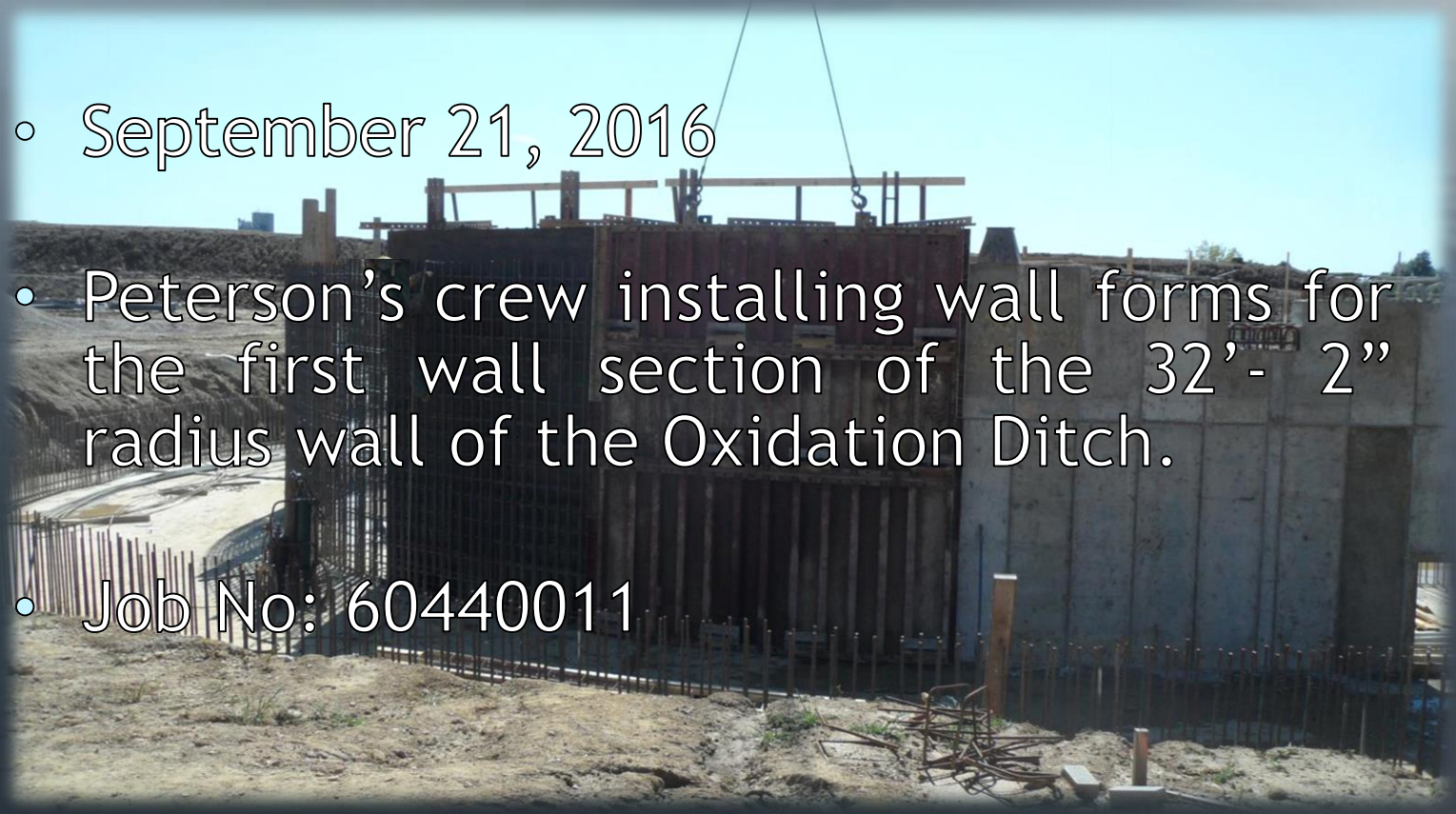
## Construction in Photos



- September 21, 2016
- Peterson's crew stripped wall forms and bulkheads from the North 20' straight wall section of the 32'-2" radius wall of the Oxidation Ditch.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos



- September 21, 2016
- Peterson's crew installing wall forms for the first wall section of the 32'- 2" radius wall of the Oxidation Ditch.
- Job No: 60440011

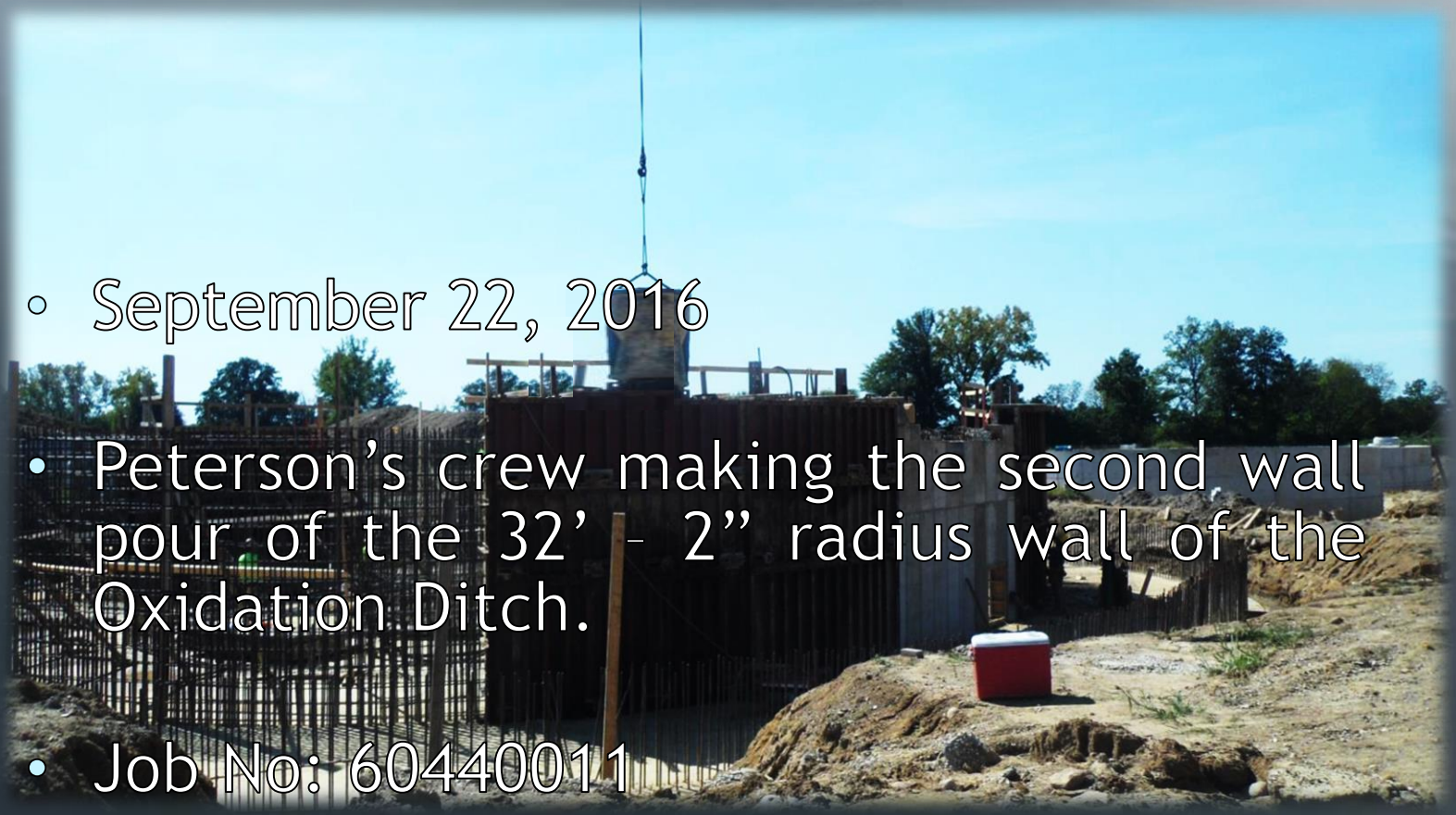
# Ashville's WRRF Project

## Construction in Photos

- September 22, 2016
- Midwest Reinforcing working on the last sections of wall rebar for the 32'- 2" radius wall of the Oxidation Ditch.
- Job No: 60440011

# Ashville's WRRF Project

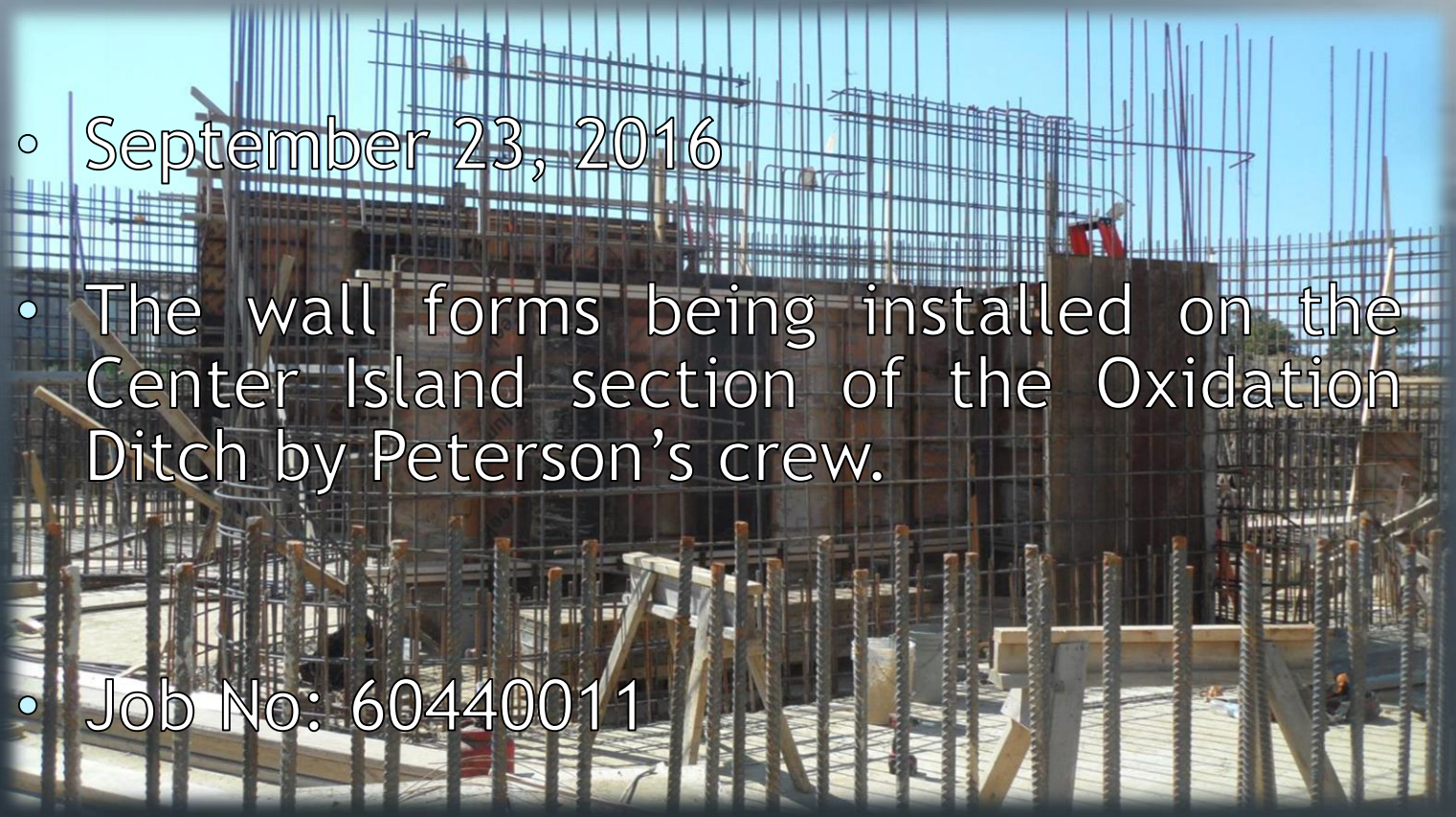
## Construction in Photos



- September 22, 2016
- Peterson's crew making the second wall pour of the 32' – 2" radius wall of the Oxidation Ditch.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos



- September 23, 2016
- The wall forms being installed on the Center Island section of the Oxidation Ditch by Peterson's crew.
- Job No: 60440011

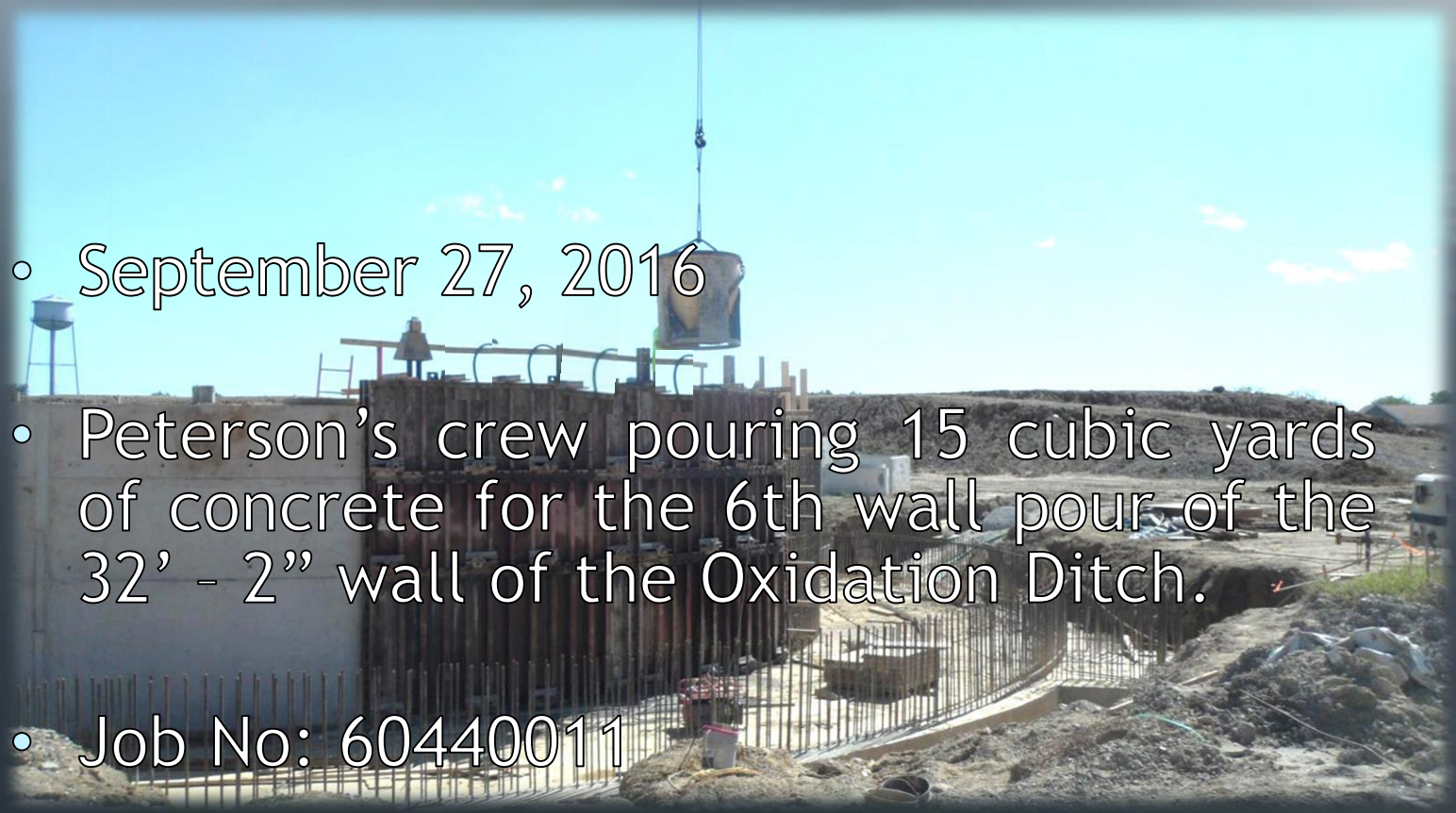
# Ashville's WRRF Project

## Construction in Photos

- September 26, 2016
- Peterson's crew installing the outer wall forms for another section of the 32' – 2" radius wall of the Oxidation Ditch.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos



- September 27, 2016
- Peterson's crew pouring 15 cubic yards of concrete for the 6th wall pour of the 32' – 2" wall of the Oxidation Ditch.
- Job No: 60440011

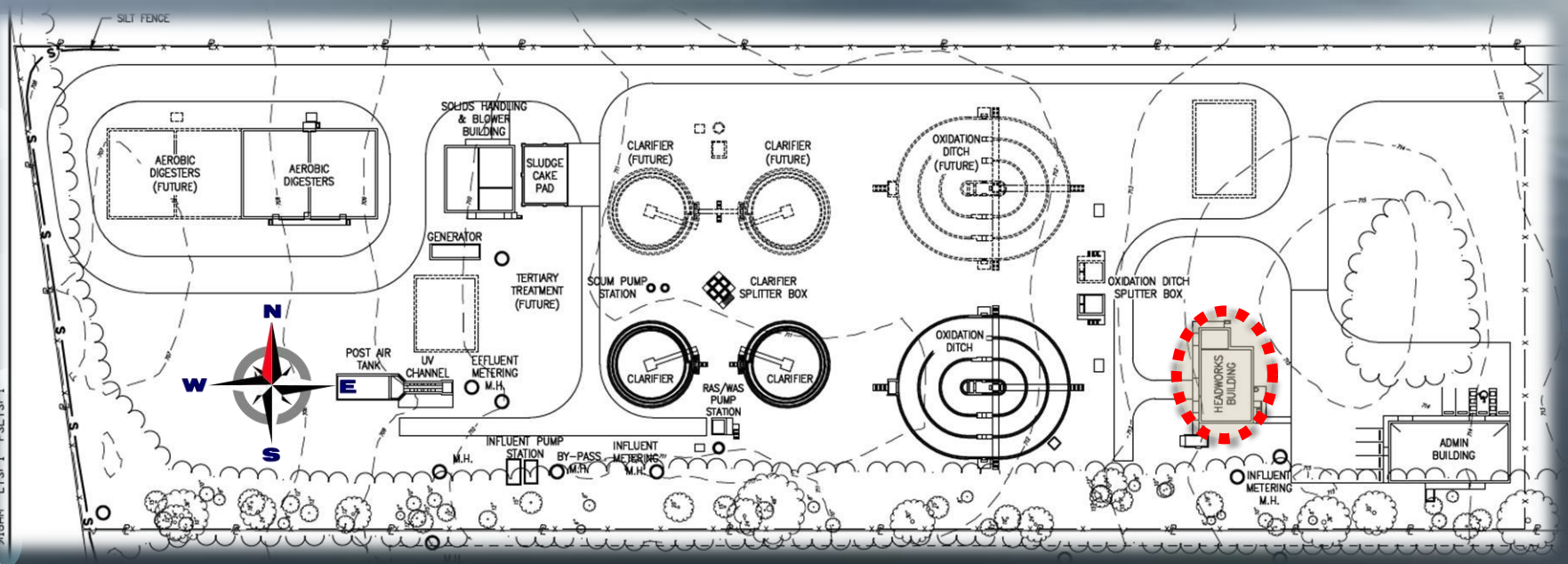
# Ashville's WRRF Project

## Construction in Photos

- September 28, 2016
- Peterson's crew stripped wall forms from the 6th wall section and moved them to the 8th wall section of the 32' 2" wall of the Oxidation Ditch.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos



# Ashville's WRRF Project

## Construction in Photos

- September 2, 2016
- Peterson's crew installing the 24" DIP Screened Influent piping for the Headworks Building.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos

- September 6, 2016
- Peterson's crew completed the installation of the 24" DIP Screened Influent piping for the Headworks Building.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos

- September 12, 2016
- Peterson's crew continuing to install and compact #304 limestone in 6" to 8" lifts as PSI conducts compaction testing on each lift of the #304 limestone.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos

- September 13, 2016
- Peterson's crew installing and compacting #304 limestone in the structural fill area of the Headworks Building.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos

- September 14, 2016
- PSI technician conducting a Compaction/Moisture test on the final lift of #304 limestone placed in the structural fill area of the Headworks Building.
- Job No: 60440011

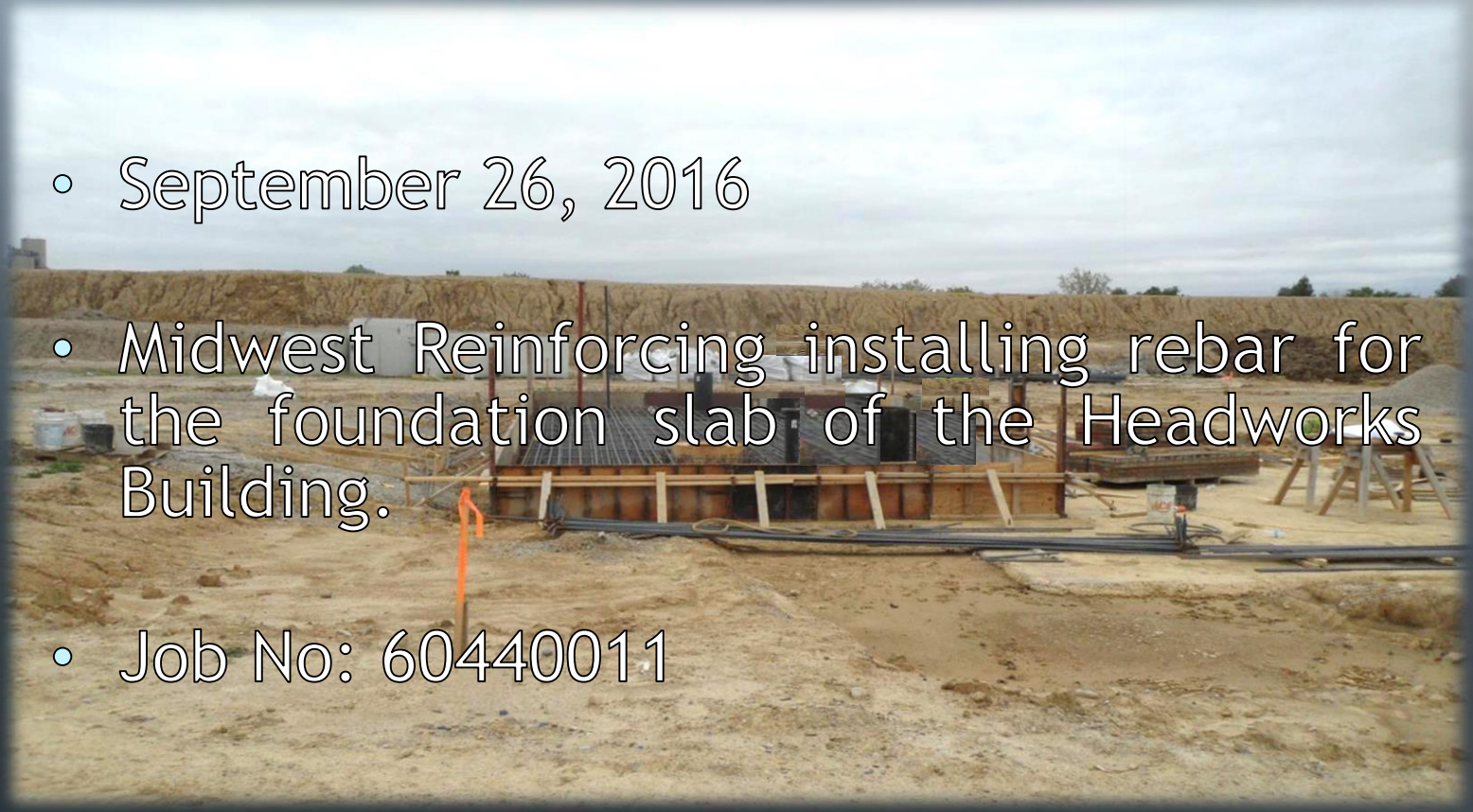
# Ashville's WRRF Project

## Construction in Photos

- September 23, 2016
- Midwest Reinforcing installing rebar for the foundation slab of the Headworks Building.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos



- September 26, 2016
- Midwest Reinforcing installing rebar for the foundation slab of the Headworks Building.
- Job No: 60440011

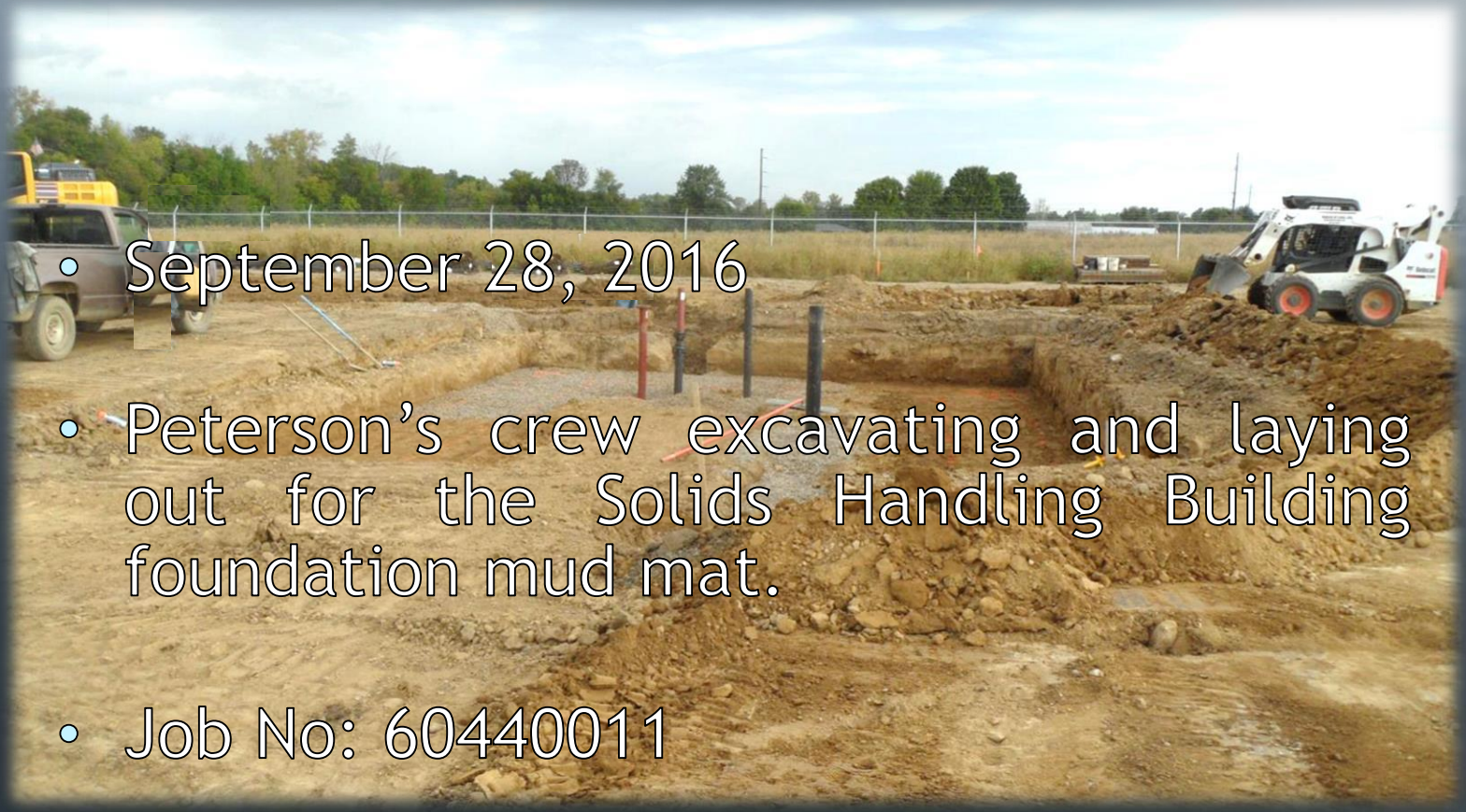
# Ashville's WRRF Project

## Construction in Photos

- September 27, 2016
- Midwest Reinforcing finishing the rebar installation for the foundation slab of the Headworks Building.
- Job No: 60440011

# Ashville's WRRF Project

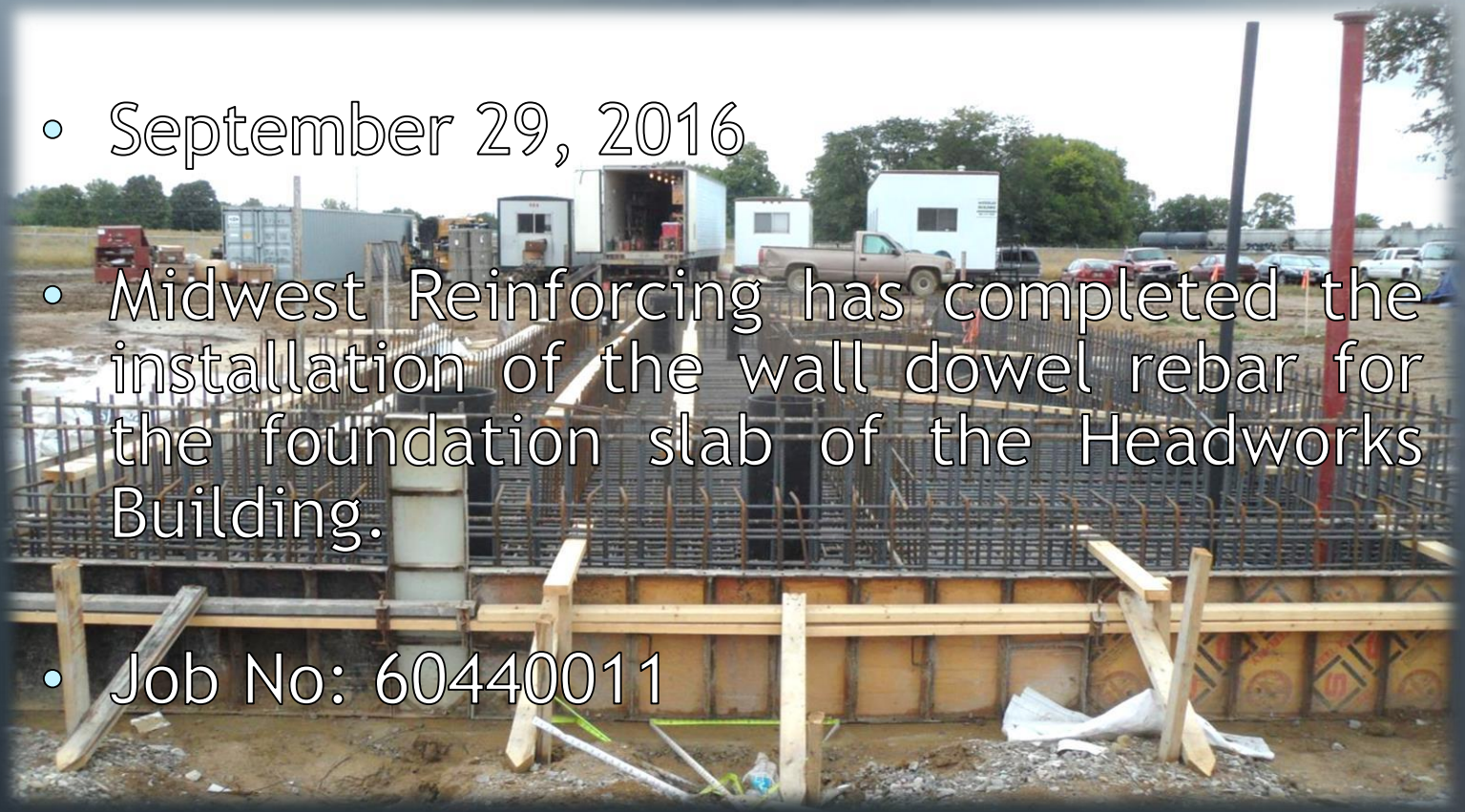
## Construction in Photos



- September 28, 2016
- Peterson's crew excavating and laying out for the Solids Handling Building foundation mud mat.
- Job No: 60440011

# Ashville's WRRF Project

## Construction in Photos



- September 29, 2016
- Midwest Reinforcing has completed the installation of the wall dowel rebar for the foundation slab of the Headworks Building.
- Job No: 60440011

# Ashville's Water Resource Recover Facility Project Planning Timeline 2015 - 17

3½ Year or 42 Months

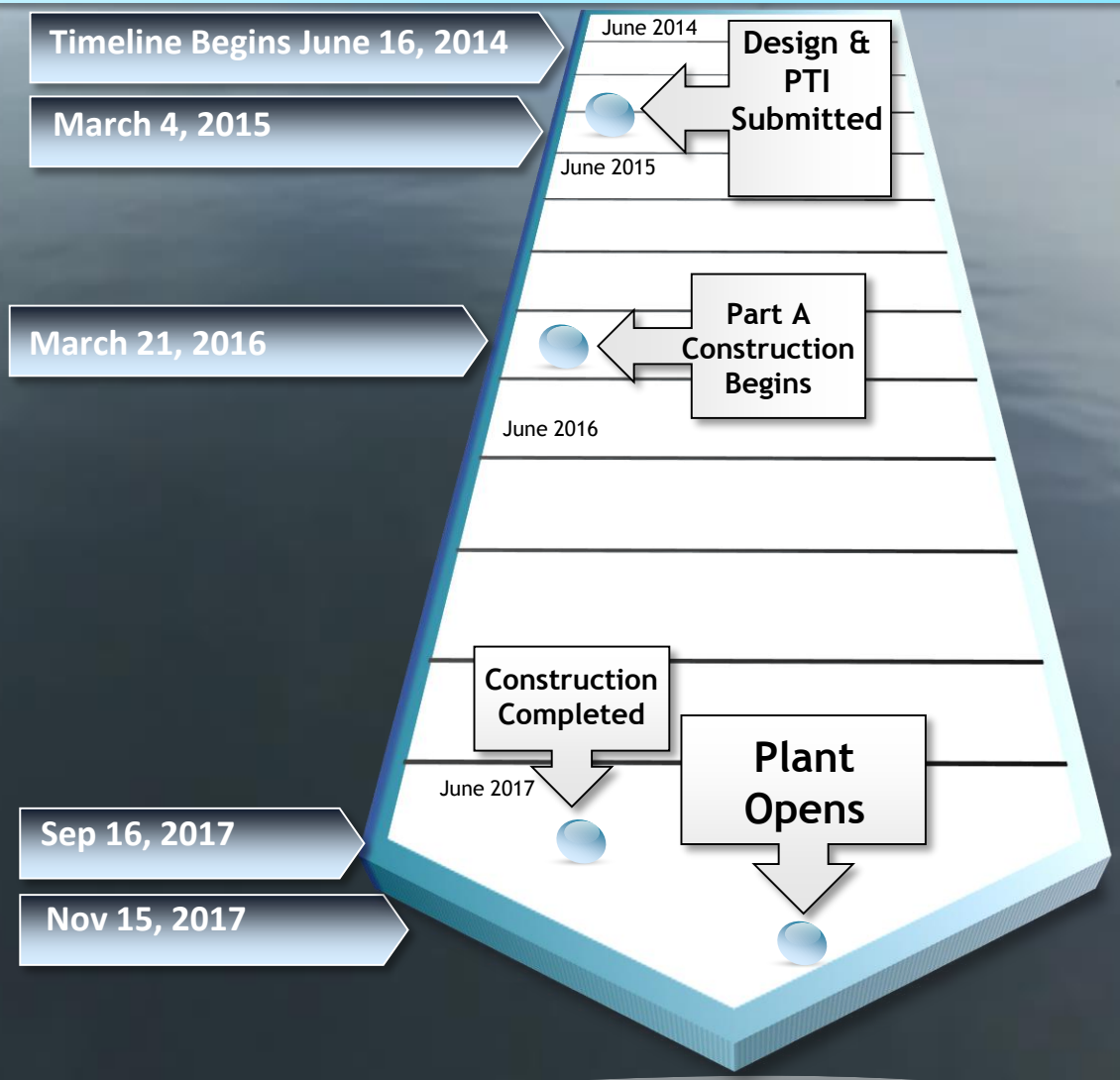
## WRRF Plan Implementation

a. 9 months submit detailed design plan (s) and a complete and approvable Permit to Install (PTI) application for the new WWTP, an application for an NPDES permit, and an anti-degradation addendum
   - Correct any deficiencies within 30 days of notification by letter from Ohio EPA

b. 16 months commence construction of the new WWTP in accordance with the approved PTI
   - Within 7 days of commencing construction notify the CDO

c. 40 months of the effective date of these Orders, Respondent shall complete construction of the new WWTP in accordance with the approved PTI;
   - Within 7 days of completing construction notify the CDO

b. 60 days of completion of construction of the new WWTP, the WWTP shall attain operational level and shall meet the final effluent limitations in Respondent's NPDES permit;
   - Within 7 days of attain operational level and meet final effluent limitations notify the CDO



Next Step Part B

# THANK YOU

ASHVILLE
Vision Statement