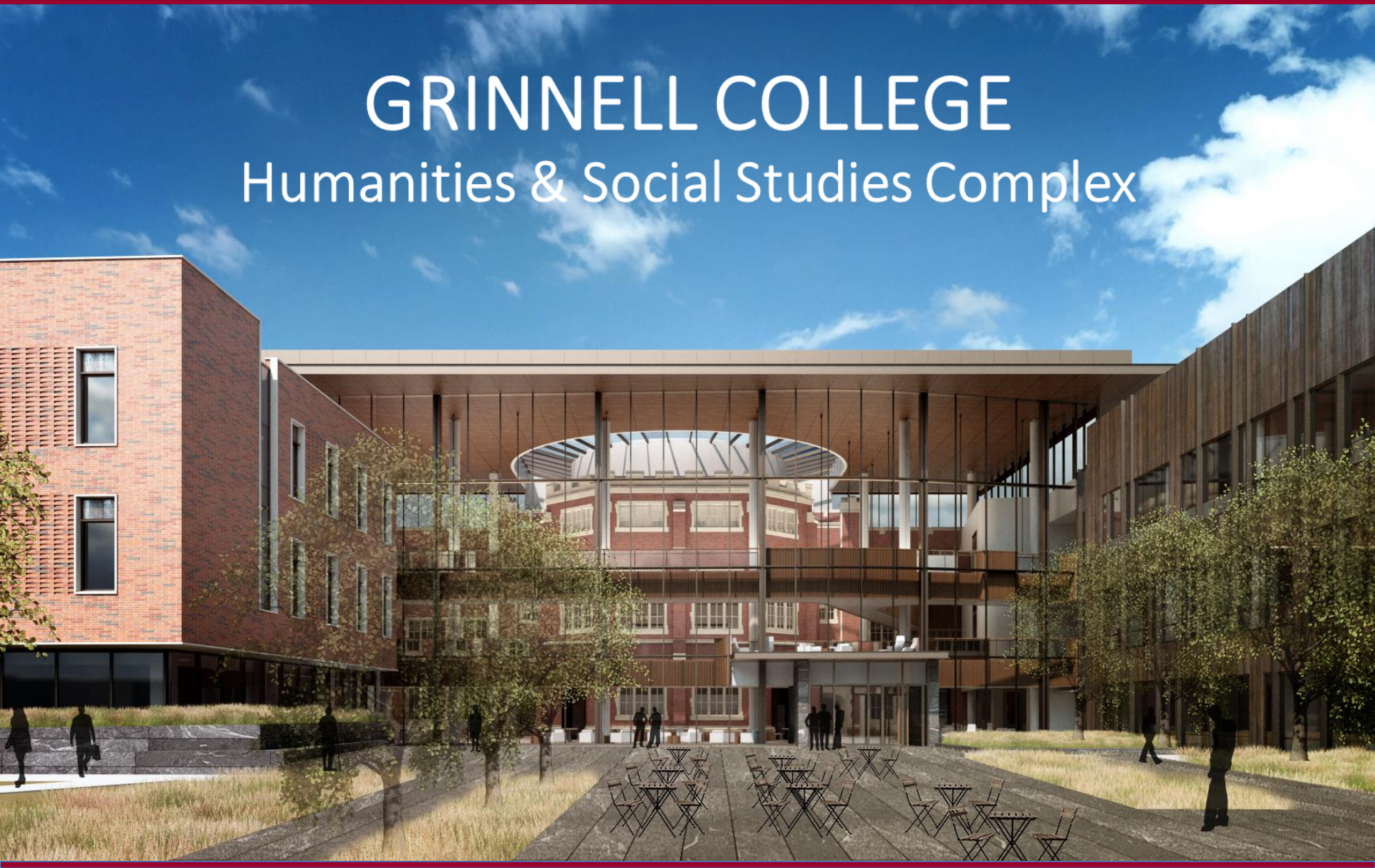

GRINNELL COLLEGE
Humanities & Social Studies Complex

Owner and Design Team

- **Grinnell College HSSC Project Leadership Team:**
  - Mike Latham
  - Jim Swartz
  - Erik Simpson
  - Keith Brouhle
  - Rick Whitney
  - Dave Robinson
  - Larry Gleason
  - Kate Walker
  - Christi Baker, critical support
  - Jane Taylor, critical support

- **EYP Architects**
  - Jennifer Amster
  - Michael Deming
  - Eric Kern
  - Angela Wilson

- **OPN Architects**
  - Bill Catrenich

McGough Project Team

- Dustin Schwake – Sr. Project Manager
- Matt Schroeder – Project Manager II
- Josh Miltenberger – Project Manager II
- Jennifer Radniecki – Assistant Project Manager
- Amy Robinson – Project Coordinator
- Jim Kramer – Senior Superintendent
- Scott Musgrove – General Superintendent
- Patrick Woodson – Assistant Superintendent

Subcontractors

- Advance Equipment Co.
- American Fence Co.
- American Structural Metals
- Architectural Wall Systems
- Baker Electric
- Bolander
- CGA
- Danny's Construction
- KONE Elevator
- PAC-VAN
- Pella Tree Service
- Peterson Contractors, Inc.
- S&F Underground
- Seedorff Masonry
- Soil-Tek
- Summit Fire Protection
- Swanson & Youngdale
- Waldinger Mechanical

Current Highlights

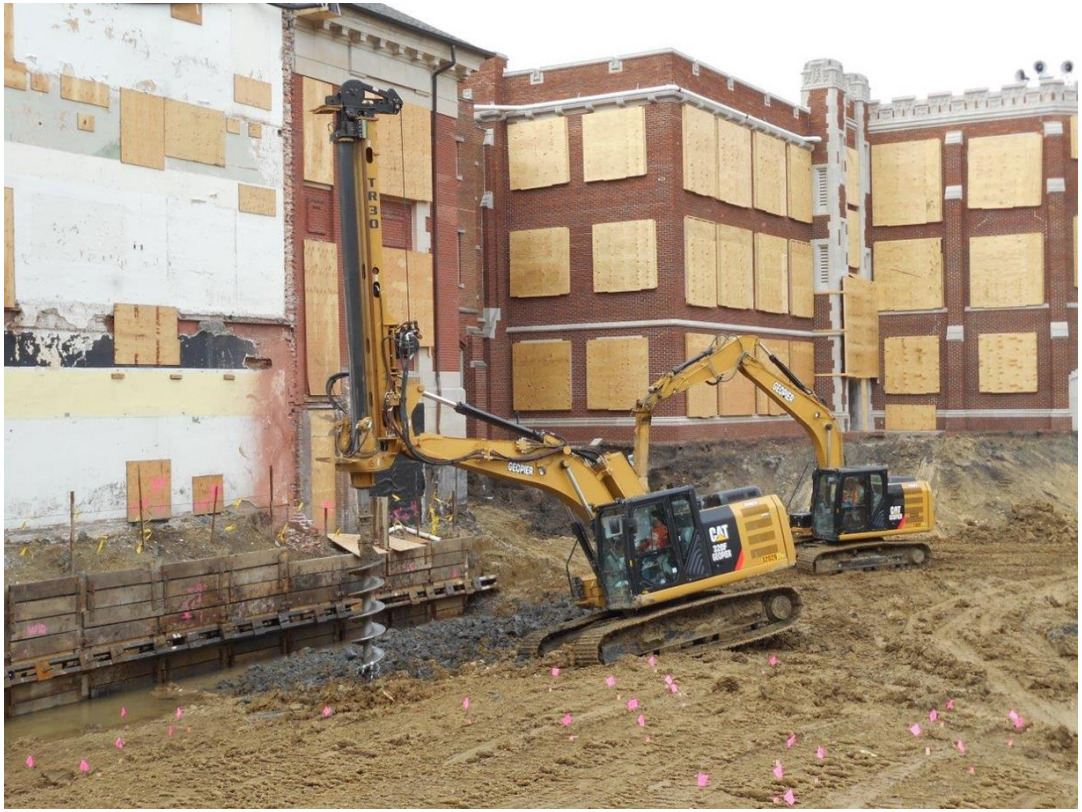
- H-pile installation for shoring system complete
- Temporary protection work continues
- Mass excavation/lagging installation continues
- Geopier installation started
- Tower crane pad prepared for concrete

Geopier Work – South Basement

Drill rig for installing Geopiers

Geopiers are rammed aggregate piers. The process is:

- Drill 24”diameter hole to a specified depth
- Fill hole with rock aggregate in specified lifts (heights) and compact between each lift
- Hole will be filled in with dirt to prevent any trip injuries (our basement still needs additional excavation, but was left high to complete all Geopiers at one time)
- The Geopier system supports the concrete foundations that will be installed later.

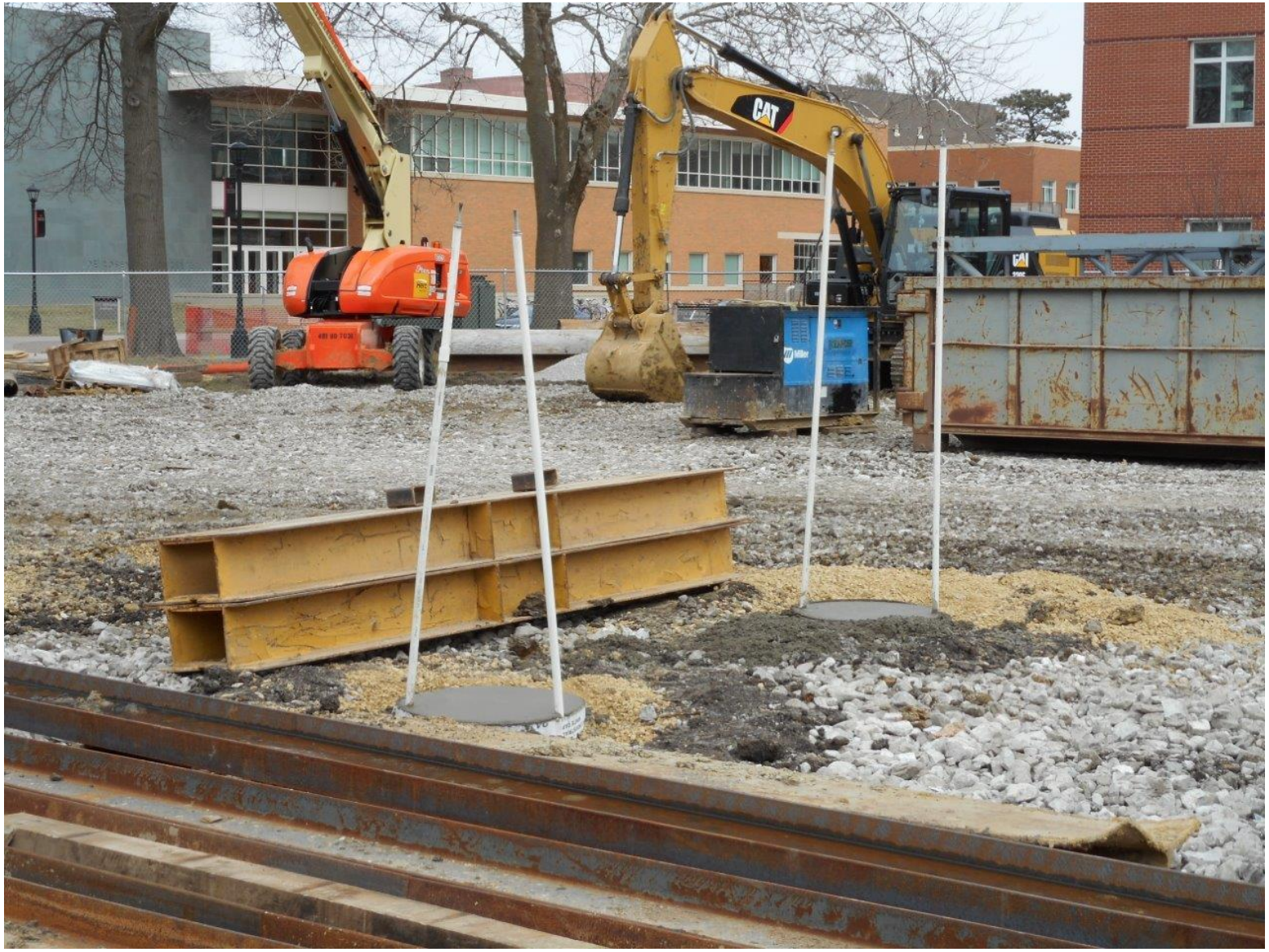


Geopier Rock Placement/Compaction

Compaction and rock placement equipment for Geopier work

Rock Being Placed for Piers

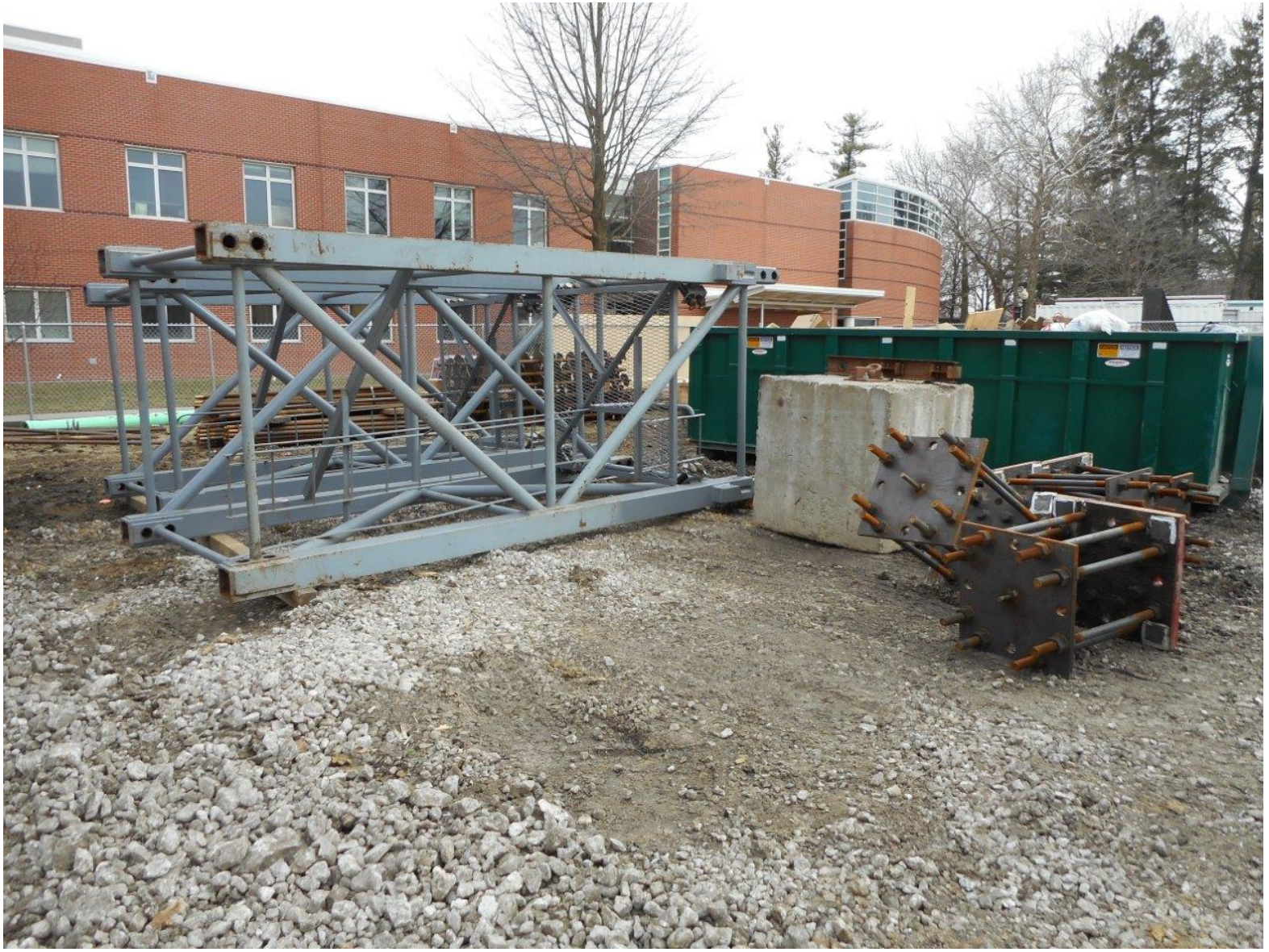
Modulus Test for Geopiers



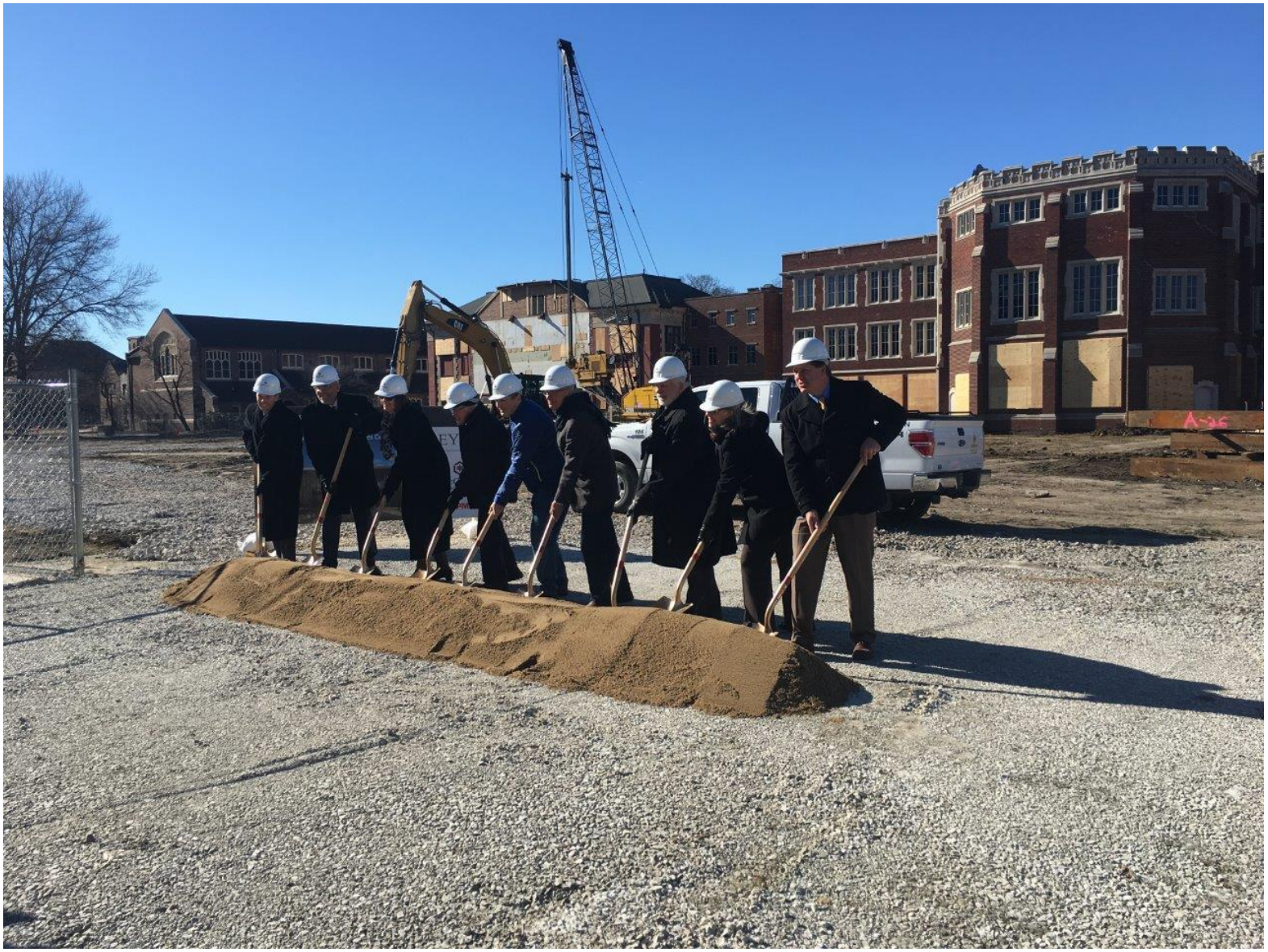
Tower Crane Pad Ready For Rebar

Looking South From North Side of Basement

Tower Crane Base Section and Anchor Bolts



Trustee Groundbreaking – February 2017



Upcoming Highlights

- Mass excavation / haul off continues
- Geopiers continue
- Tower crane erection
- Concrete foundations

Fun Facts

- Glass
  - 28,000 SF of glass on the exterior.
  - 155 units at atrium
  - 1,256 units at CW and windows
  - 14,000 SF of standing seam panels. ½ copper , ½ painted metal

- The four elevators will be the first machine room less traction elevators on the Grinnell Campus.

- Structural Steel
  - 931 tons of columns, beams and bracing.
  - 2305 members (2039 beams, 162 columns, 52 vertical braces, and 52 horizontal braces)
  - 548 anchor bolts
  - 468 embeds

- We are hauling out 2000 cubic yards of soil per day.

- Over 700 Geopiers will be installed in the building footprint.