

CONSTRUCTION UPDATE

SEPTEMBER 2021

# GRAND CHALLENGES RESEARCH BUILDING





## SEPTEMBER CONSTRUCTION ACTIVITIES ONSITE...

The project team was excited to celebrate the **GCRB Groundbreaking** on 9/28/21!

**Basement excavation** has begun onsite. Approximately **2,800 cubic yards** of soil was removed from the site this month!

**Soil nails measuring 20' long** are being drilled and grouted into the perimeter of the building footprint to retain the soil during excavation.

**Shotcrete shoring** for the basement excavation has begun. Shoring is installed in **5' high** increments for safety.







**Caissons** have been drilled and placed for the tower crane footing. Look for a new **tower crane** measuring **213 feet in height in November!**



# WHAT'S NEXT IN OCTOBER?

- Additional **5,600 cubic yards** of soil will be removed.
- Additional **120 soil nails** will be drilled and grouted.
- The remainder of the GCRB basement **shotcrete shoring** will be placed.
- **Waterproofing** of the basement will begin.

