



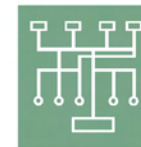
Associates



Engineers



Architects



Systems



Construction
Managers

SOUTH CAMPUS UTILITY EXTENSION

UNIVERSITY OF CHICAGO

CHICAGO,
ILLINOIS

**UNIVERSITY OF
CHICAGO**

This project consists of the PLANNING AND DESIGN for extension of a utility corridor to serve the new David Logan Arts Center, and the existing Social Services and Edelstone Buildings at the University of Chicago. The utility corridor begins at the corner of 61st St and Ellis Ave. and proceed westwards for a distance of ~1,500' and provides power, steam, chilled water, and compressed air for the aforementioned buildings. The chilled water systems in the existing buildings were also demo'd for the project scope.

The utility corridor consists of a 20' wide cross section, measuring 12' deep with timber and steel sheet piling to attenuate the relatively shallow local water table. There were numerous utility conflicts with existing gravity lines (storm & sanitary) and existing lighting and drainage facilities which required mitigation. The utilities in the corridor included:

- 4 x 4" NSIT Communications and security duct
- 24" chilled water supply
- 24" chilled water return
- 12" steam line
- 8" Pumped Condensate line
- 3" Trapped Condensate line
- 2 x 2" electrical power lines
- 3" compressed air

City of Chicago permits were required for the utility corridor crossing of Ingleside Avenue. Construction documents included plan drawings and details, special provisions, specifications, construction schedule, and cost estimate to support the demolition work, utility corridor construction, and all surface restoration.

