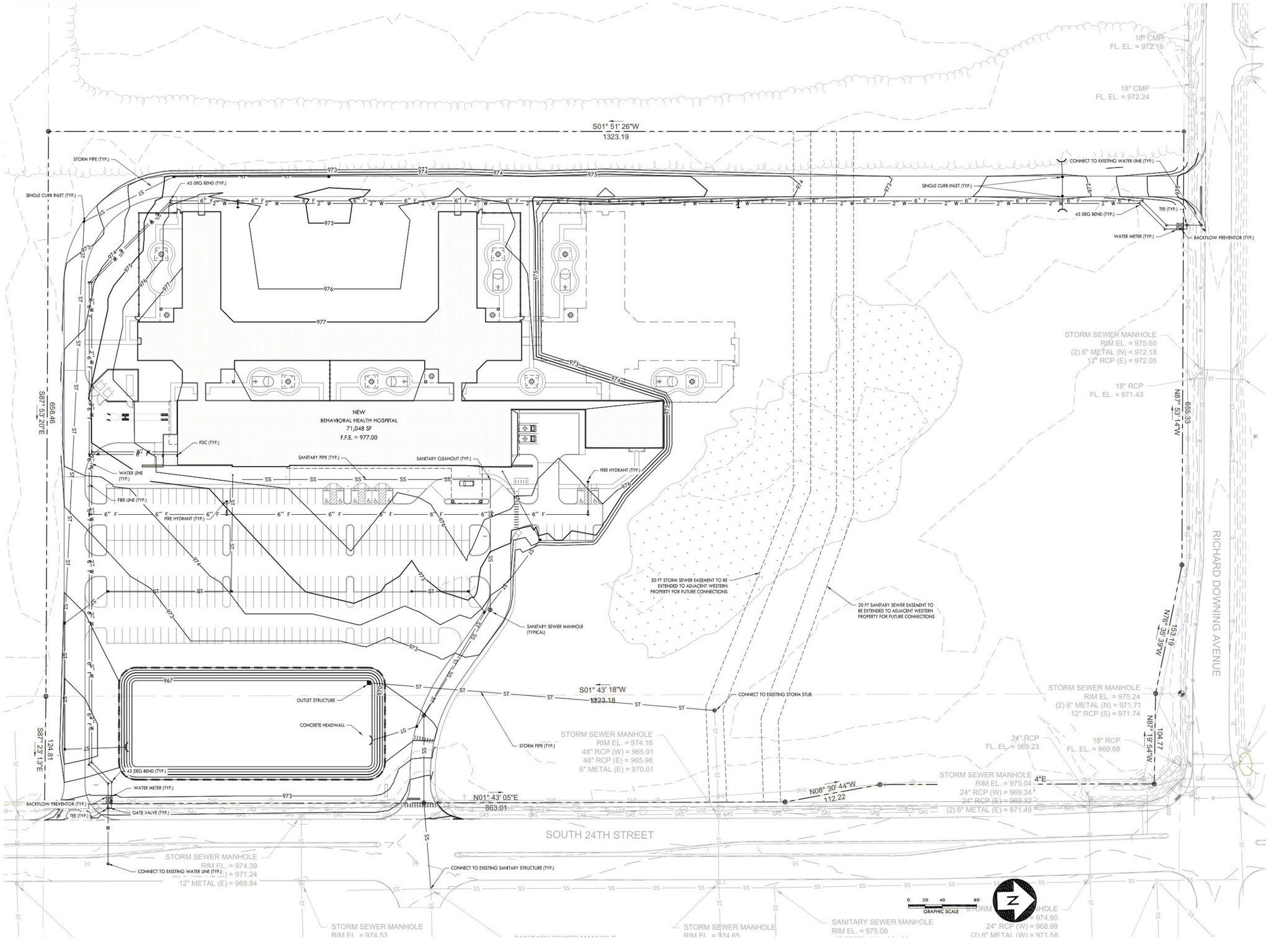
PRELIMINARY DRAINAGE CALCULATIONS

1 INCH OF RAINFALL OVER THE IMPERVIOUS SITE AREA RESULTS IN 19,150.60 CU-FT OF STORMWATER RUNOFF.

THE PROPOSED POND HOLDS 174,171.38 CU-FT OF WATER.



STENGEL ARCHITECTURE

613 WEST MAIN STREET
LOUISVILLE, KENTUCKY 40202
502.893.1875
502.893.1876 fax

Civil Engineering
CRUNK ENGINEERING

Structural Engineering
SKYHOOK STRUCTURAL ENGINEERING, P.C.

Mechanical/Electrical Engineering
CMTA

Interior Design

ACADIA HEALTHCARE

WILLIAM CRUNK 23887 9/7/23 IOWA

GRADING, DRAINAGE, & UTILITY PLAN
NEW BEHAVIORAL HEALTH HOSPITAL
HEALTHCARE COMPANY, INC.
COUNCIL BLUFFS, IOWA

07 Sept 2023
AHC2246

C3.0

50% CD SET - NOT FOR CONSTRUCTION

Attachment 'E'