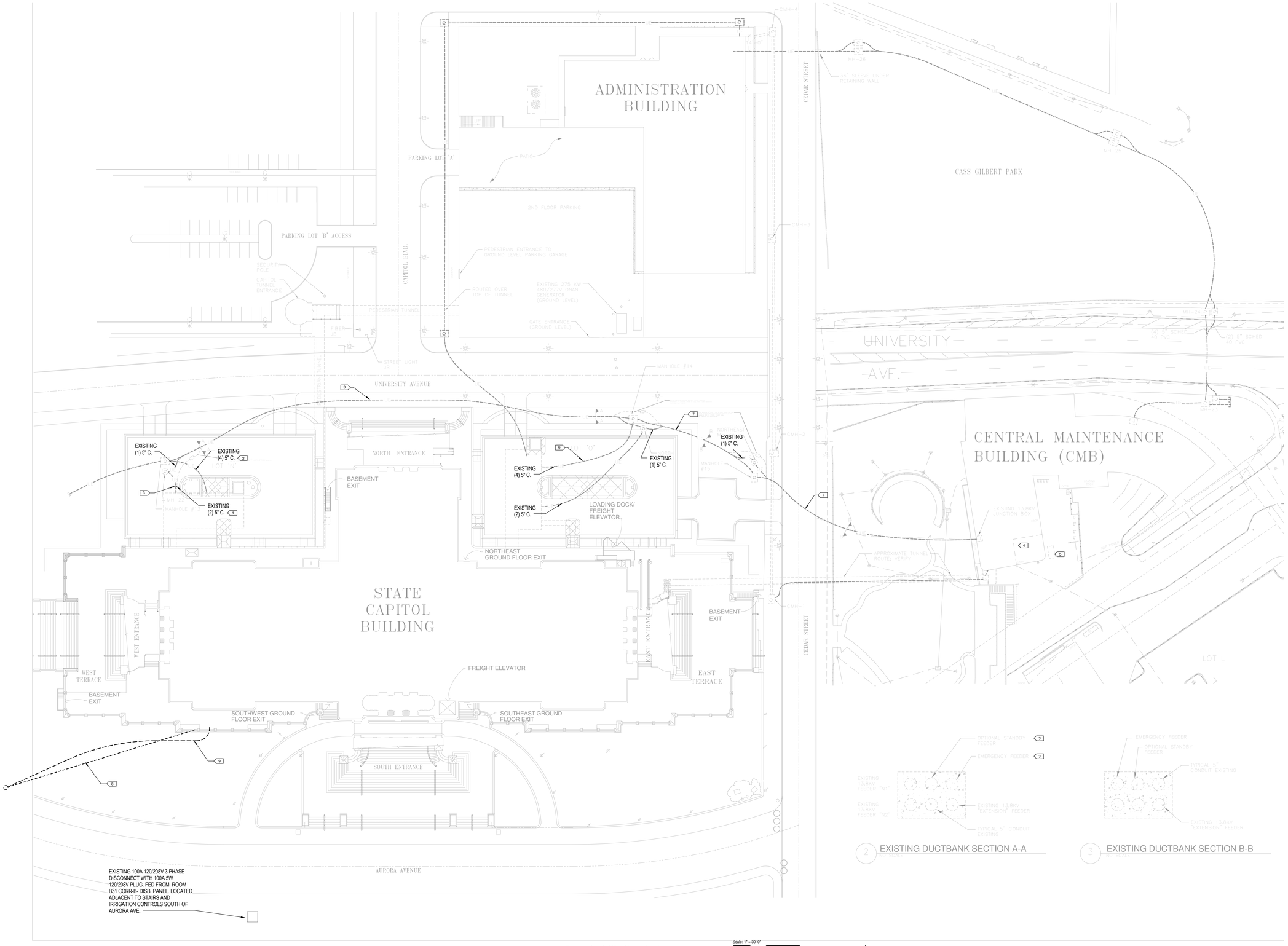

1 ELECTRICAL SITE PLAN
1" = 30'-0"

Scale: 1" = 30'-0"
0' 15' 30' 60' 120'

2 EXISTING DUCTBANK SECTION A-A
NO SCALE

3 EXISTING DUCTBANK SECTION B-B
NO SCALE

GENERAL NOTES:

A. REFER TO ELECTRICAL RISER DIAGRAMS FOR CONDUIT AND CONDUCTOR SIZES.

B. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL SITE WORK WITH CIVIL, ARCHITECTURAL, AND MECHANICAL DRAWING DOCUMENTS. ELECTRICAL CONTRACTOR SHALL ALSO SURVEY EXISTING SITE CONDITIONS PRIOR TO INSTALLATION.

C. PROVIDE SLEEVES THROUGH STRUCTURAL FOUNDATION WALLS AS REQUIRED FOR UNDERGROUND ELECTRICAL CONDUITS. COORDINATE WITH ARCHITECTURAL FOR WATERPROOFING.

D. ALL INSTALLATION MATERIALS AND METHODS SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.

E. SLOPE DUCTS SO THE HIGH POINT IN THE RUN IS BETWEEN TWO MANHOLES FOR DUCT DRAINAGE. MINIMUM SLOPE OF 1:300.

F. REFER TO SPECIFICATION 260543 FOR ADDITIONAL REQUIREMENTS OF UNDERGROUND DUCT BANKS. PROVIDE PULL ROPES FOR XCEL INSTALLATION.

G. PROVIDE POWER MANHOLE WITH RINGS AND COVERS.

H. PROVIDE TELECOMMUNICATIONS MANHOLES WITH RINGS AND COVERS.

I. REFER TO ELECTRICAL DETAILS FOR MANHOLE DETAILS.

J. COORDINATE WORK WITH EXISTING LANDSCAPE WORK AND SITE LIGHTING. REPAIR OR REPLACE AS NEEDED TO FACILITATE THE WORK OF THIS PROJECT.

K. SEAL AND CAP ALL EXISTING CONDUITS/DUCTS THAT ARE ABANDONED. IDENTIFY ROOM NUMBER OR MANHOLE NUMBER AT EACH END OF CONDUIT/DUCT.

KEYNOTES: 1

1. REFER TO E012 FOR REMOVAL OF GENERATOR EMERGENCY FEEDERS.

2. REFER TO E010 AND E011 FOR REMOVAL OF 15KV CABLES.

3. DISCONNECT AND REMOVE EXISTING FEEDER TO MH-21. REFER TO E012 FOR GENERATOR FEEDERS.

4. EXISTING 600KW CATERPILLAR GENERATOR ROOM IN POWERHOUSE.

5. EXISTING 1000 GALLON FUEL TANK.

6. PROVIDE (5) NEW 5" CELLS THAT PARALLEL THE EXISTING DUCT BANK.

7. PROVIDE (3) NEW 5" CELLS THAT PARALLEL THE EXISTING DUCT BANK.

8. PROVIDE (4) 4" CONDUITS FROM MPOP ROOM ON TERRACE LEVEL TO CENTURY LINK MANHOLE FOR INCOMING PHONE SERVICE.

9. APPROXIMATE LOCATION OF EXISTING UNDERGROUND CENTURY LINK CABLES TO BE REMOVED.

HGA + SCA
capitol restoration collaborative

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KEY PLAN

Minnesota State Capitol Repairs, Restoration, & Preservation

75 Rev Dr. Martin Luther King Jr Blvd
Saint Paul, MN 55155
SCB-02CB0015

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

FOR REFERENCE ONLY

NAME: LEIGH HARRISON
DATE: JUNE 14, 2013
REGISTRATION NUMBER: 40448

NO	DESCRIPTION	DATE

REVISION HISTORY - THIS SHEET

HGA NO: 0476-061-00

SITE ELECTRICAL PLAN

WORK PACKAGE 1

E030

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