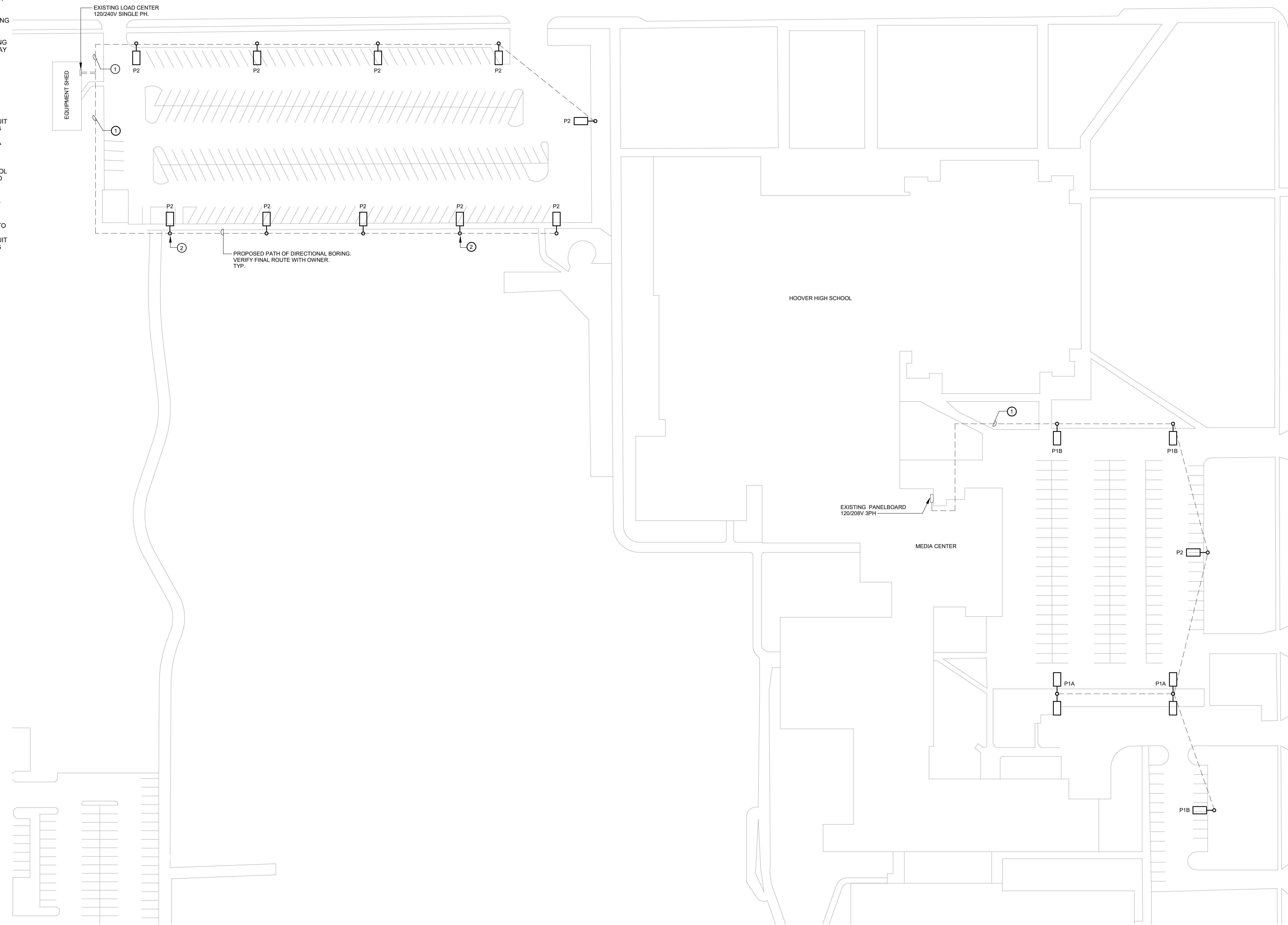


SITE LIGHTING GENERAL NOTES

1. RETURN ANY EXCAVATED SOIL TO GRADE LEVEL. THOROUGHLY COMPACT TO MINIMIZE SETTLING OF GROUND. REPAIR ANY DAMAGE OR DISTURBANCES TO THE SITE WITHIN OWNER'S APPROVAL. NEW GRASS SEED SHALL BE BY OWNER. VERIFY ALL DIMENSIONS ON SITE. ELECTRICAL SITE PLAN SHOULD NOT BE USED FOR MATERIAL TAKE OFF'S.
2. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN SHOWN BASED UPON AVAILABLE INFORMATION. THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS ALSO POSSIBLE THAT THERE MAY BE OTHER UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES IN EXISTENCE THAT ARE NOT REFERENCED ON THIS PLAN. HAND EXCAVATE AT CRITICAL POINTS AS NECESSARY TO VERIFY LOCATIONS, SIZES, ELEVATIONS, FLOW LINES, ETC. IF A PROBLEM OR INTERFERENCE EXISTS, NOTIFY ENGINEER BEFORE PROCEEDING.
3. COORDINATE PHASING AND ELECTRICAL OUTAGES CLOSELY WITH THE OWNER. PREPARE SCHEDULE DETAILING WHEN OUTAGE MAY OCCUR AND LENGTH OF OUTAGE BEFORE SERVICE IS RESTORED. NO WORK MAY OCCUR INTERRUPTING ELECTRICAL SERVICES WITHOUT OWNER'S APPROVAL A MINIMUM OF TWO DAYS IN ADVANCE.
4. NEW WIRING SHALL BE INSTALLED IN PVC CONDUIT. ROUTING IS SHOWN BASED ON DIRECTIONAL BORING. TRENCHING MAY BE USED WHERE PRIOR APPROVED BY OWNER.

KEYNOTES (#)

1. NEW SITE LIGHTING CIRCUIT. ROUTE NEW CONDUCTORS AND CONDUIT TO EXISTING BUILDING AND FIELD. COORDINATE PENETRATIONS. CONNECT NEW SITE LIGHTING CIRCUIT TO NEW 20A-1P BREAKER IN EXISTING PANEL USING #10 CONDUCTORS IN 1" CONDUIT. FIELD VERIFY PANEL MANUFACTURER AND RATINGS. NEW CIRCUIT BREAKER SHALL MATCH EXISTING. VERIFY FINAL ROUTING AND PENETRATIONS WITH OWNER PRIOR TO ROUGH-IN. EXTERIOR LIGHTING CIRCUITS SHALL BE CONTROLLED VIA 120V/1PH CONTACTOR. CONTACTOR, INTEGRAL HAND/OFF/AUTO SELECTOR SWITCH AND ENCLOSURE SHALL BE PROVIDED BY CONTRACTOR AND FIELD COORDINATED INSTALL LOCATION. LOW VOLTAGE CONTROL WIRING AND ASSOCIATED RELAY SHALL BE PROVIDED AND INSTALLED BY OWNER FOR CONNECTION TO BUILDING MANAGEMENT SYSTEM.
2. PROVIDE SEPARATE 120V 20A CONNECTION FOR DISTRICT INSTALLED CCTV CAMERAS. ROUTE #12 CONDUCTORS IN SAME 1" CONDUIT FOR SITE LIGHTING CONDUCTORS. CAP CONDUCTORS INSIDE LIGHT POLE HANDHOLE. CONNECT TO NEW 20A-1P CIRCUIT BREAKER IN EXISTING PANEL. FIELD VERIFY PANEL MANUFACTURER AND RATINGS. NEW CIRCUIT BREAKER SHALL MATCH EXISTING. VERIFY FINAL ROUTING AND PENETRATIONS WITH OWNER PRIOR TO ROUGH-IN.



1 HOOVER HIGH SCHOOL - SITE LIGHTING
1" = 50'-0"

300 4th Street,
West Des Moines,
Iowa 50265

info@kclengineering.com
Phone: 515.724.7938



Des Moines Public Schools
1917 Dean Avenue
Des Moines, Iowa 50316

Phone: 515.242.8338
Fax: 515.265.8702

© KCL Engineering LLC 2021

These documents have been prepared specifically for the DMPS - DISTRICT WIDE SITE LIGHTING UPGRADES AT VARIOUS SCHOOLS

They are not suitable for use on other projects or in other locations without the expressed written approval and participation of KCL Engineering LLC. A limited license is granted to the owner/contractor to reproduce these documents or portions thereof, but only for the use in connection with this project. Unauthorized reproduction is prohibited.

**DES MOINES PUBLIC SCHOOLS
DISTRICT WIDE SITE LIGHTING
UPGRADES AT VARIOUS SCHOOLS**

DMPS Project No: B8666
KCL Project No: 20135
Date: 04/08/2021

**CONSTRUCTION
DRAWINGS**

Revision	Date

Drawing Name:
ELECTRICAL SITE PLAN
HOOVER HIGH SCHOOL
4800 NW AURORA AVE.,
DES MOINES, IA 50310

Drawing #:

E1.2