CITY OF MADISON CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS

SHEET NO. S100 STRUCTURAL PLANS & DETAILS SHEET NO. E000-E200 ELECTRICAL PLANS & DETAILS

HIGHLAND AVENUE SIDEWALK & LIGHTING **IMPROVEMENTS**

> CITY PROJECT NO. 12950 CONTRACT NO. 8554

PROJECT LOCATION

CONVENTIONAL SIGNS FIELD VERIFY ALL UTILITY LOCATIONS GASSTORM SEWER SANITARY SEWER WATERBURIED ELECTRIC OVERHEAD ELECTRIC POWER POLE ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD COMBUSTIBLE FLUIDS STREET LIGHT POLE

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.50%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

CAMPUS DRIVE UNIVERSITY AVE STEVENS ST KENDALL AVE KENDALL AVE CHAMBERLAIN AVE VAN HISE AVE VAN HISE AVE

PUBLIC IMPROVEMENT PROJECT

APPROVED DATE: MAY 5, 2020

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Christy Bachmann

5-6-2020

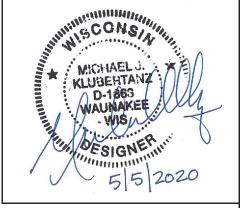
or City Engineer

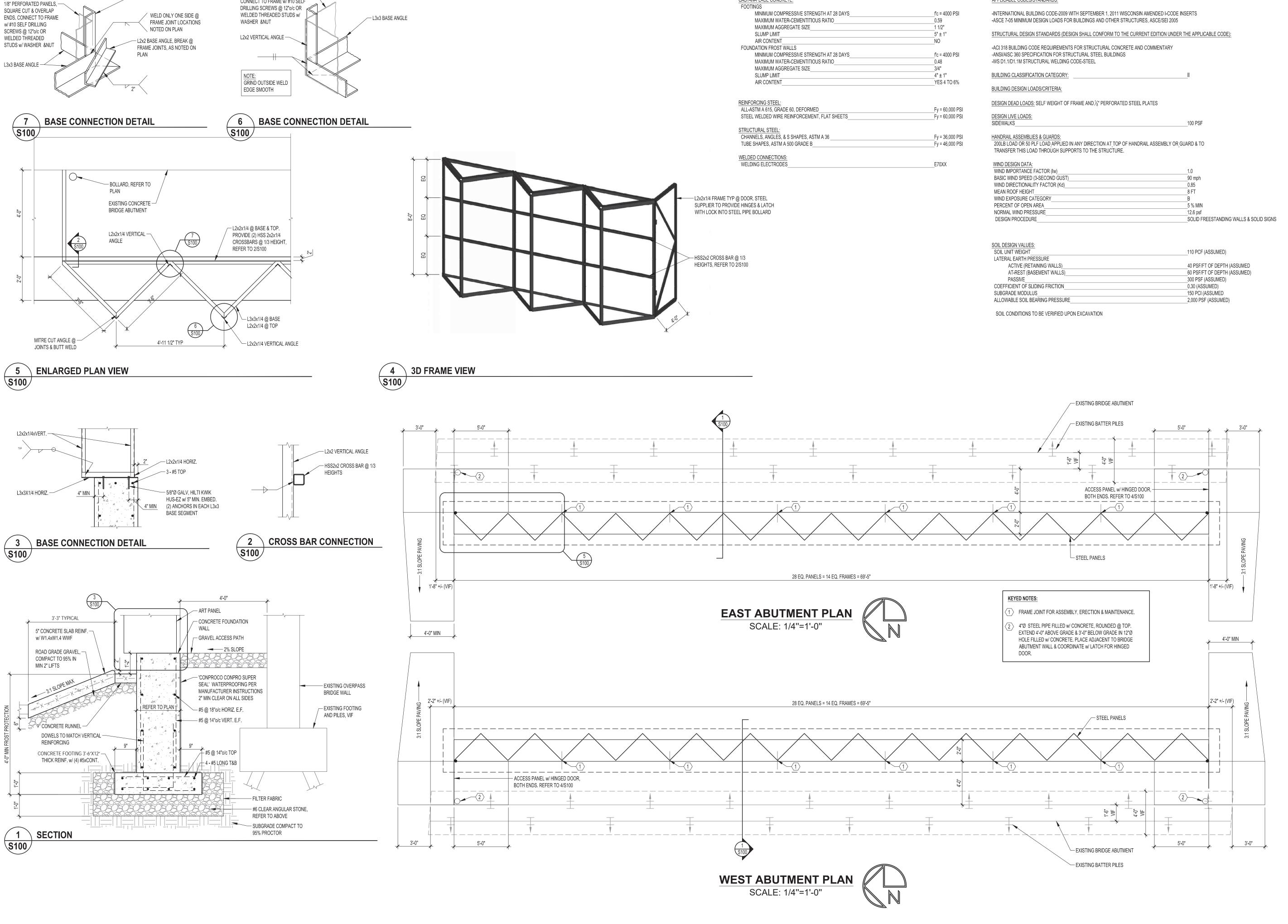
Date

STRUCTURAL



ELECTRICAL DESIGNED BY:





1/8" PERFORATED PANELS, ——— SQUARE CUT & OVERLAP ENDS.

CONNECT TO FRAME w/ #10 SELF

- L2x2x1/4 VERTICAL ANGLE

MATERIAL STRENGTHS:

CAST-IN-PLACE CONCRETE

DESIGN DATA:

APPLICABLE CODES/STANDARDS:

PIERCE ENGINEERS INC CONSULTING STRUCTURAL ENGINEERS 241 N. Broadway Ave, Suite 500 | Milwaukee, WI 53202 Phone: 414.278.6060 | Fax: 414.278.6061

ISSUANCE AND DATE:

COORDINATION

08-05-2016

REVISIONS:

	DATE	DESCRIPTION						

PROJECT INFORMATION:

HIGHLAND AVE UNDERPASS

REGENT NEIGHBORHOOD, MADISON, WI

SHEET INFORMATION:

STRUCTURAL PLANS AND DETAILS

PE PROJECT NO:

LUMINAIRE SCHEDULE									
SYMBOL	CALLOUT	DESCRIPTION	INPUT WATTS	LAMP COLOR	LUMENS	VOLTS	MOUNTING	MODEL	NOTES
ά	A	FLOOD LIGHT	46	4000K	4132	120V 1P 2W	JUNCTION BOX	INVUE VFS-K-B40-3-LED-E1-WST-BK / JB-BK	EQUAL BY: AMERLUX FL2-*WF-40-BLK-CUSTOM MTG SERIES KIM LIGHTING KFL1-16L-40-4K7-WF-UNV-K-BL/JB1 SERIES
85 <	В	SPOT LIGHT	6	2700K	475	120V 1P 2W	SURFACE	SOLAIS LRP20-25-27K / FOCUS LIGHTING DL-20-NL-BLT	EQUAL BY: KIM LIGHTING EL220BL SERIES RAB HB101B SERIES
X -	С	POLE BASE ONLY			0	120V 1P 2W	POLE		ELECTRICAL CONTRACTOR TO PROVIDE POLE BASE TYPE LB-2 ONLY. NEW LIGHTING, POLE, AND WIRING BY THE CITY OF MADISON. COORDINATE ELECTRICAL REQUIREMENTS WITH THE CITY OF MADISON.

- ELECTRICAL CONTRACTOR TO

UNDERGROUND RACEWAY TO BE CONCEALED IN ACCESS PATH BEHIND

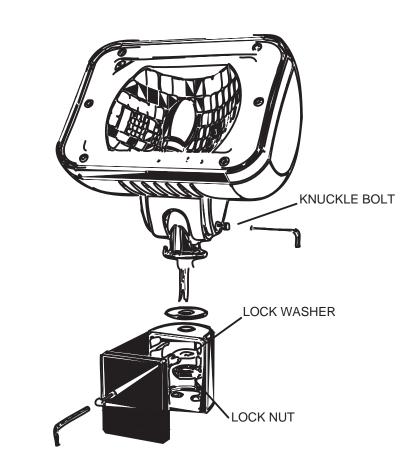
STEEL FRAME.

MOUNT RACEWAY AND JUNCTION BOXE ONTO BACKSIDE OF 2X2 CROSS BAR.

TYPICAL TYPE "B" ——————————————————————————————————	BY ARTIS	TYPE "A" GHTS, INT DETERMINED T PRIOR TO ITALLATION
METAL FRAME, ANCHORED — TO CONCRETE BASE (BY OTHERS)		
(BT OTTLEND)		
	PERFORATED - ART PANELS (BY OTHERS)	
PACCESS PANEL (BY OTHERS)		

LENTICULAR WALL (2 UNITS)
OPTION 1: SIDE ACCESS PANEL





ARCHITECTURAL JUNCTION BOX MOUNT

5 TYPICAL PLAN VIEW OF DUCT INSTALLATION

SCALE: NOT TO SCALE

—CABLE-IN-DUCT —

LPVC (SCHEDULE 40) CURB

CONDUIT AS REQ'D

BACK OF

 ELECTRICAL CONTRACTOR TO MOUNT SPOT LIGHTS TO 2X2

CROSS BAR (TYP).

- ELECTRICAL CONTRACTOR TO MOUNT FLOOD LIGHTS
WITH ARCHITECTURAL JUNCTION BOX MOUNT

REFER TO ELECTRICAL SHEET E200 FOR FIXTURE LAYOUT.

3D LENTICULAR WALL DETAIL

ELECTRICAL CONTRACTOR TO PROVIDE FLEXIBLE — CONDUIT TO FLOOD AND SPOT LIGHTS (TYP).

REFER TO STRUCTURAL SHEET S100 FOR MORE INFORMATION ON LENTICULAR WALL

IN GRAVEL ACCESS PATH (TYP).

TYPICAL IMPRINT FOR MARKING

PVC (SCHEDULE 80)

CONDUIT AS REQ'D

PVC (SCHEDULE 80)

CONDUIT AS "RACEWAY" FOR CABLE-IN-DUCT

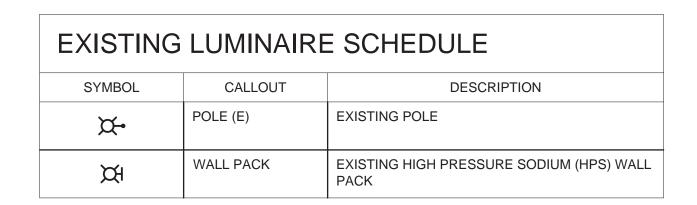
INSTALLATION DEPTH

UNDER ROADWAY 24" MINIMUM. 36" MAXIMUM

IN TERRACE OR UNDER SIDEWALK 30" MINIMUM. 36" MAXIMUM

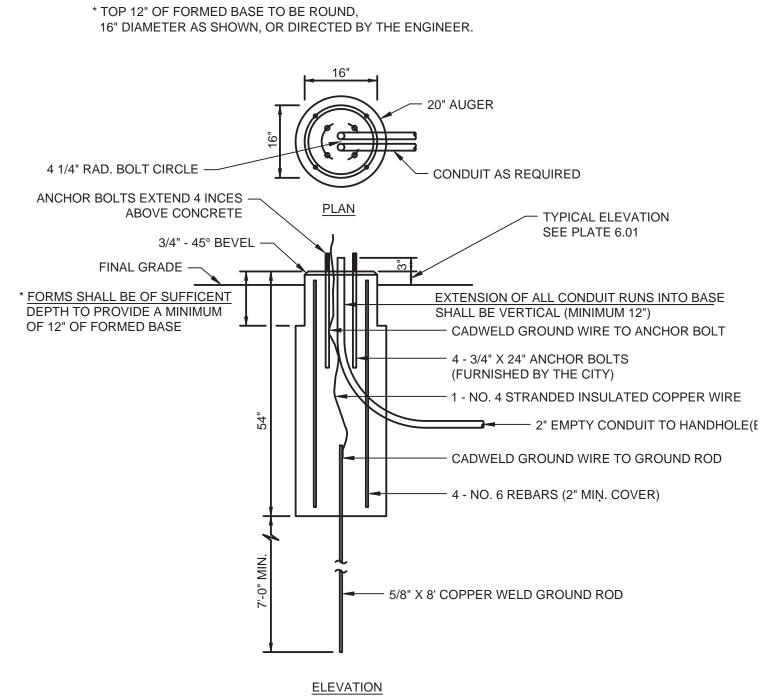
LOCATION OF DUCT AT STREET CROSSING





ABBREVIATIONS:

(E) EXISTING TO REMAIN



NOTES

RUST, CORROSION AND ANTI SEIZE PROTECTION SHALL BE PROVIDED AT ALL THREADED ASSEMBLIES.

ROD COUPLERS SHALL BE SET FLUSH WITH TOP OF BASE.



ENGINEERING, INC.
5525 NOBEL DRIVE
SUITE 110
MADISON, WI 53711
PH: 608.277.1728 FAX: 608.271.7046

JDR PROJECT NO. 190076

CONSULTANTS

REVISIONS / ADDENDA

-

DRAWN: JDR

CHECKED: JDR

DATE: 05/31/2019

PHASE:

PROJECT

19.0076

PROJECT #:

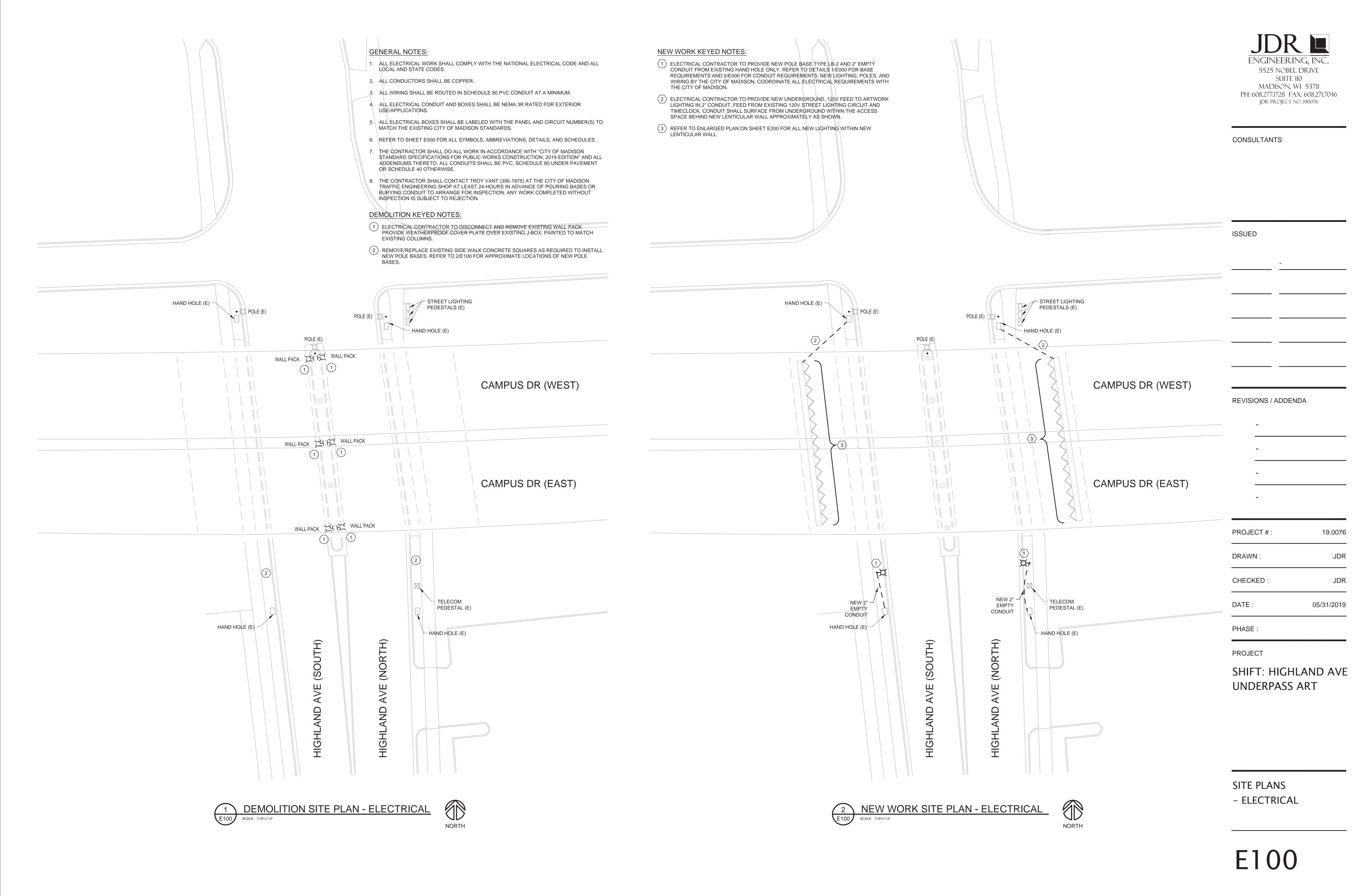
SHIFT: HIGHLAND AVE UNDERPASS ART

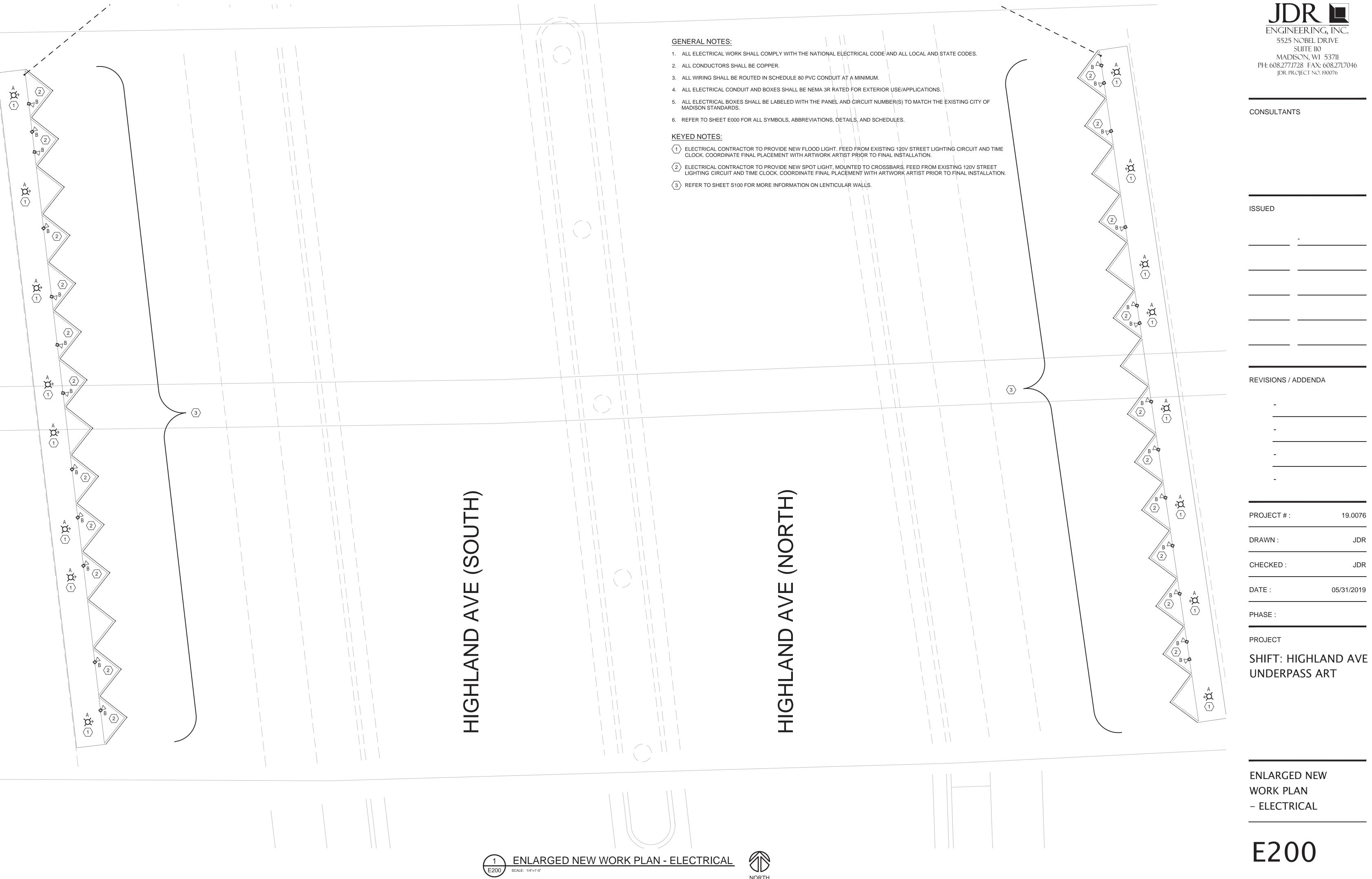
SYMBOLS, ABBREVIATIONS, SCHEDULES, AND DETAILS - ELECTRICAL

ELECTRICAL SHEET INDEX

SYMBOLS, ABBREVIATIONS, SCHEDULES, AND DETAILS - ELECTRICAL SITE PLANS - ELECTRICAL

E100 SITE PLANS - ELECTRICAL E200 ENLARGED NEW WORK PLAN - ELECTRICAL E000





19.0076

05/31/2019