## CITY OF MADISON

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

HIGHLAND AVENUE SIDEWALK & LIGHTING **IMPROVEMENTS** 

> CITY PROJECT NO. 12950 CONTRACT NO. 8554

#### INDEX OF SHEETS

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

> **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

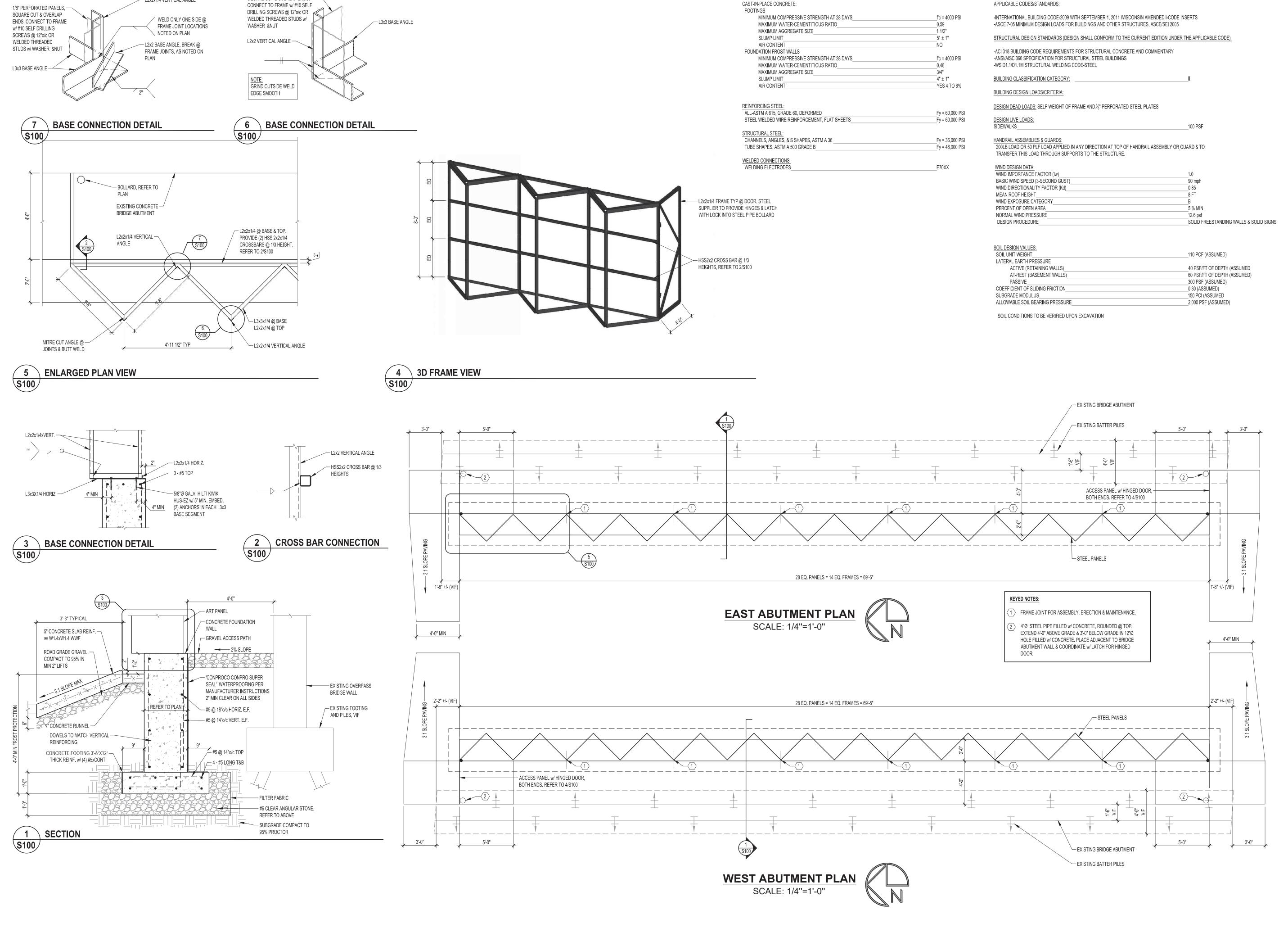
Date

STRUCTURAL DESIGNED BY:



**ELECTRICAL DESIGNED BY:** 





- L2x2x1/4 VERTICAL ANGLE

MATERIAL STRENGTHS:

DESIGN DATA:

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

/ISIONS:				
	DATE	DESCRIPTION		

PROJECT INFORMATION:

# HIGHLAND AVE UNDERPASS

REGENT NEIGHBORHOOD, MADISON, WI

SHEET INFORMATION:

STRUCTURAL PLANS AND DETAILS

PE PROJECT NO: 161

SCALE: AS NOTED |
DRAWN BY: PE | \$100

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
<b>85</b> <	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
×-	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.

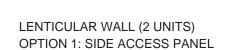
- ELECTRICAL CONTRACTOR TO

UNDERGROUND RACEWAY TO BE CONCEALED IN ACCESS PATH BEHIND

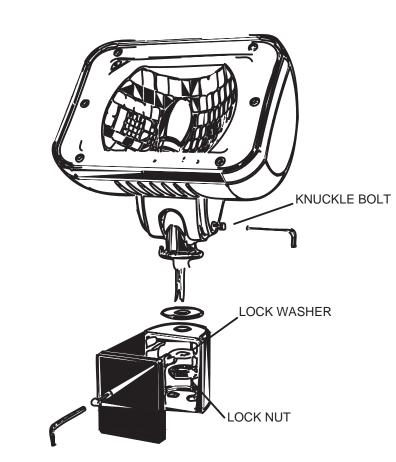
STEEL FRAME.

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

	<u> </u>			
TYPICAL TYPE "B" SPOTLIGHT, MOUI CROSSBARS, PLA DETERMINED BY A PRIOR TO FINAL II	NTED TO CEMENT ARTIST		BY ARTIS	TYPE "A" GHTS, NT DETERMINED T PRIOR TO TALLATION
METAL FRAME, AI	NCHORED -			
TO CONCRETE BA (BY OTHERS)	ASE			
		PERFORATED ART PANELS		
ACCE PANE	L	(BY OTHERS)		
(BA O	THERS)			







ARCHITECTURAL JUNCTION BOX MOUNT

FLOOD LIGHT JUNCTION BOX MOUNT DETAIL

EXISTING LUMINAIRE SCHEDULE				
SYMBOL	CALLOUT	DESCRIPTION		
×-	POLE (E)	EXISTING POLE		
×	WALL PACK	EXISTING HIGH PRESSURE SODIUM (HPS) WALL PACK		

### ABBREVIATIONS:

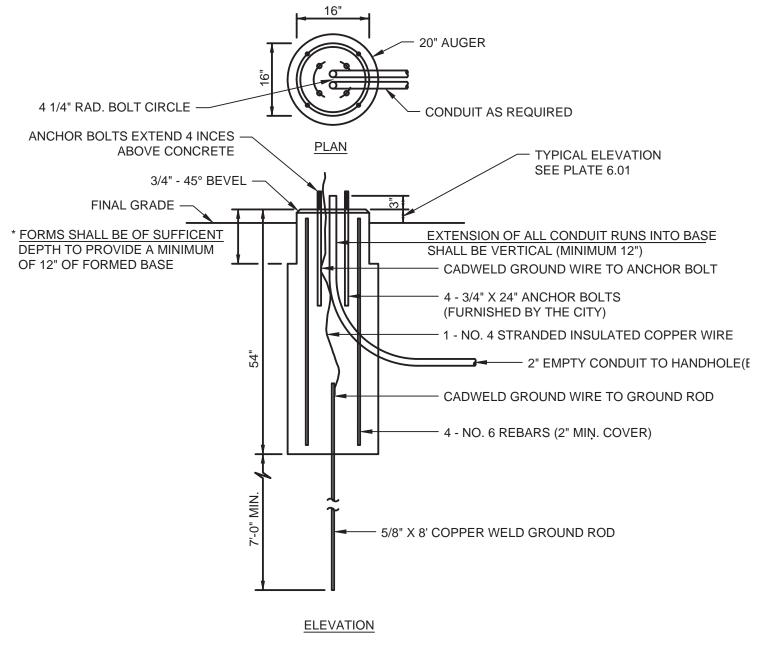
(E) EXISTING TO REMAIN

JDR LENGINEERING, INC. 5525 NOBEL DRIVE SUITE 110 MADISON, WI 53711 PH: 608.277.1728 FAX: 608.271.7046 JDR PROJECT NO. 190076

CONSULTANTS

ISSUED

\* TOP 12" OF FORMED BASE TO BE ROUND, 16" DIAMETER AS SHOWN, OR DIRECTED BY THE ENGINEER.



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

ROD COUPLERS SHALL BE SET FLUSH WITH TOP OF BASE.



REVISIONS / ADDENDA PROJECT #: 19.0076 DRAWN: CHECKED : JDR DATE: 05/31/2019

SYMBOLS, ABBREVIATIONS, SCHEDULES, AND DETAILS - ELECTRICAL

SHIFT: HIGHLAND AVE

**UNDERPASS ART** 

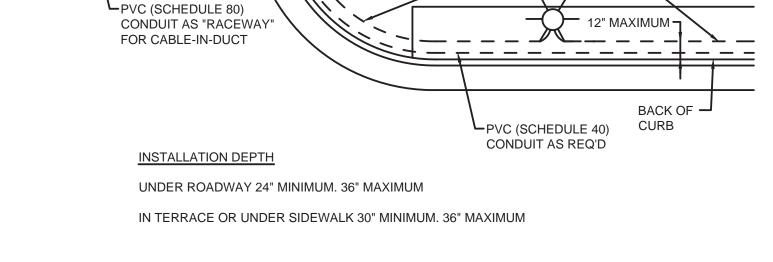
ELECTRICAL SHEET INDEX

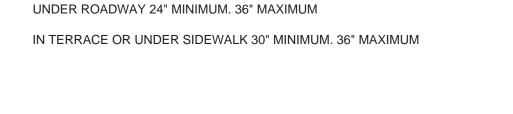
SYMBOLS, ABBREVIATIONS, SCHEDULES, AND DETAILS - ELECTRICAL

SITE PLANS - ELECTRICAL E100 ENLARGED NEW WORK PLAN - ELECTRICAL

PHASE:

PROJECT





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

REFER TO ELECTRICAL SHEET E200 FOR FIXTURE LAYOUT.

3D LENTICULAR WALL DETAIL

REFER TO STRUCTURAL SHEET S100 FOR MORE INFORMATION ON LENTICULAR WALL

IN GRAVEL ACCESS PATH (TYP).

TYPICAL IMPRINT FOR MARKING LOCATION OF DUCT AT STREET CROSSING

PVC (SCHEDULE 80)

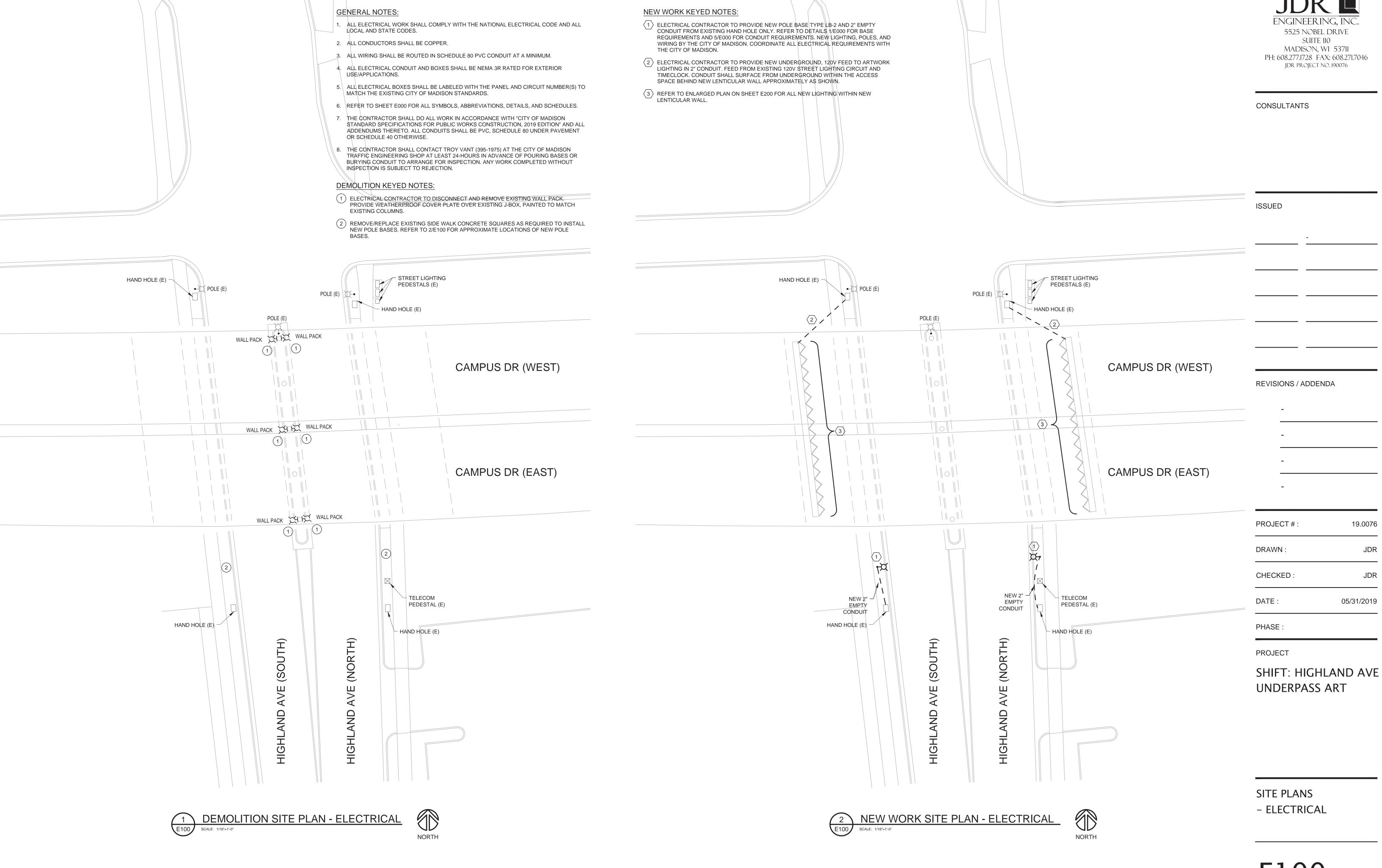
CONDUIT AS REQ'D

TYPICAL PLAN VIEW OF DUCT INSTALLATION

CABLE-IN-DUCT -

— ELECTRICAL CONTRACTOR TO MOUNT SPOT LIGHTS TO 2X2

CROSS BAR (TYP).



JDR

