

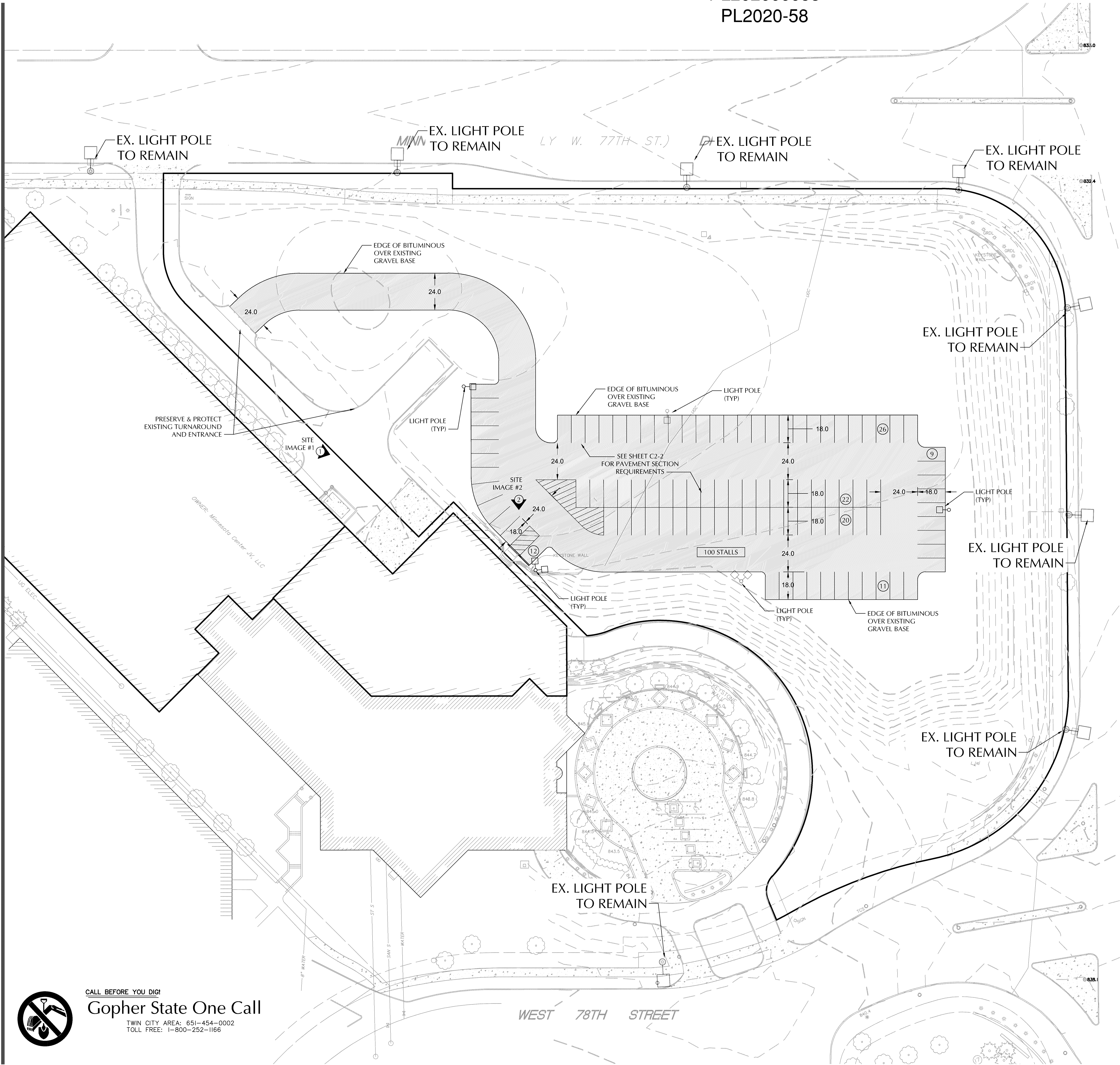
Plotted: 03/31/2020 6:24 PM W:\2017\17457\CADD\DATA\CIVIL\dwg\Sheet Files\PHASE 2 SURFACE PARKING PROJECT\C2-1 SITE PLAN



CALL BEFORE YOU DIG!

Gopher State One Call

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166



SITE NOTES

1. TYPICAL FULL SIZED PARKING SPACE IS 9' X 18' UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STRIPING AS SHOWN ON PLANS.

EXISTING CONDITIONS NOTES

1. EXISTING SITE IMPROVEMENTS, UTILITIES, AND TOPOGRAPHY PROVIDED BY SUNDE LAND SURVEYING, DATED JULY 24, 2017. LOUCKS DOES NOT GUARANTEE THE ACCURACY, OR COMPLETENESS OF WORK PERFORMED BY OTHERS. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS AND NOTIFY THE PROJECT ENGINEER AND PROJECT MANAGER IMMEDIATELY WITH ANY DISCREPANCIES.

PROJECT BENCHMARK

PER SUNDE LAND SURVEY DATED JULY 24, 2017

1. TOP OF TOP NUT OF FIRE HYDRANT ON THE SOUTH SIDE OF MINNESOTA DRIVE NEAR MOST NORTHERLY CORNER OF PARKING RAMP.
ELEVATION = 829.05 FEET
2. TOP OF TOP NUT OF FIRE HYDRANT ON THE SOUTH SIDE OF MINNESOTA DRIVE 300 FEET +/- WEST OF FRANCE AVENUE.
ELEVATION = 831.12 FEET
3. TOP OF TOP NUT OF FIRE HYDRANT AT NORTHWEST QUADRANT OF FRANCE AVENUE AND WEST 78TH STREET.
ELEVATION = 837.06 FEET

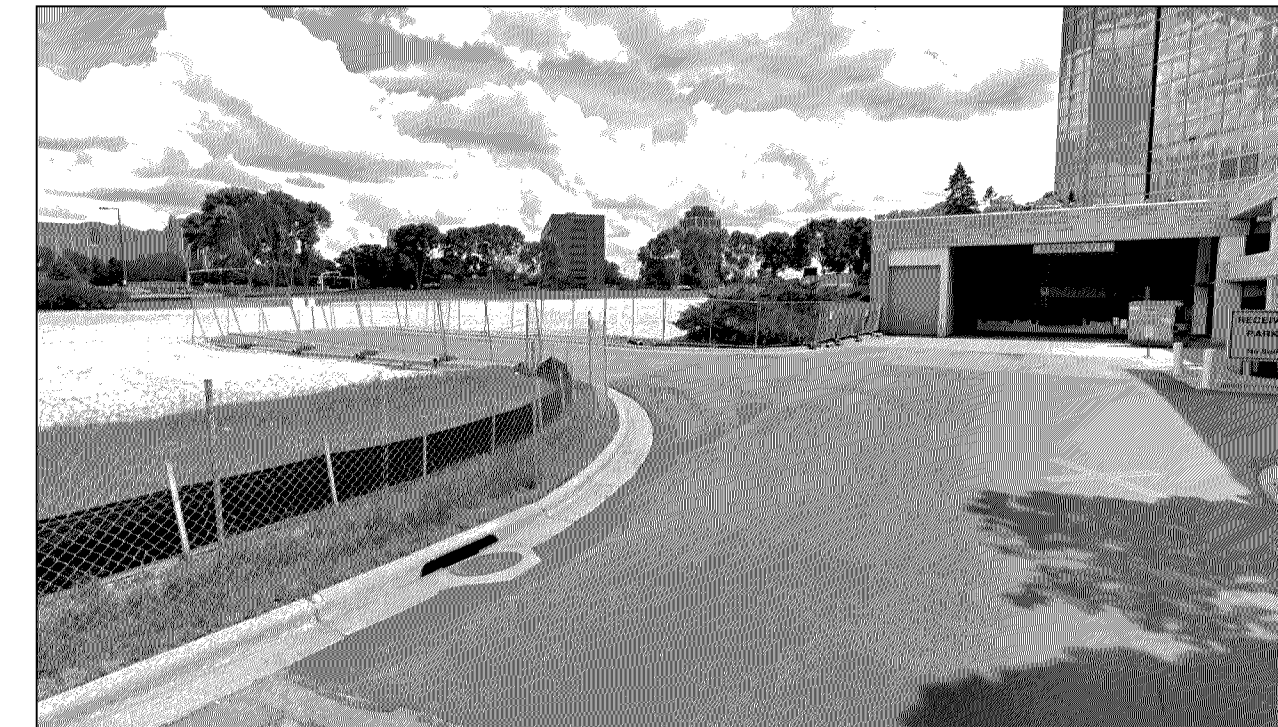
WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND / OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

SITE IMAGES

#1) EXISTING LOADING DOCK - MINNESOTA CENTER



#2) EXISTING RETAINING WALL / PEDESTRIAN ENTRANCE - MINNESOTA CENTER



DRURY
PLAZA
HOTEL
INTERIM
PARKING LOT

3901 MINNESOTA DRIVE
BLOOMINGTON, MINNESOTA

Drury Southwest, Inc.

101 S. Farrar Drive
Cape Girardeau, Missouri, 63701

LOUCKS

PLANNING
CIVIL ENGINEERING
LAND SURVEYING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL

7200 Hemlock Lane, Suite 300
Maple Grove, MN 55369
763.424.5505
www.loucksinc.com

CADD QUALIFICATION

CADD files prepared by the Consultant for this project are instruments of the Consultant's professional services for use solely with respect to this project. These CADD files shall not be used on other projects, for additions to this project, or for completion of this project by others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be made at the full risk of that party making such revisions, additions or deletions and that party shall hold harmless and indemnify the Consultant from any & all responsibilities, claims, and liabilities.

SUBMITTAL/REVISIONS

03/06/20 CLIENT REVIEW /PRICING
04/01/20 REV. FINAL DEV. PLANS

PROFESSIONAL SIGNATURE

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.

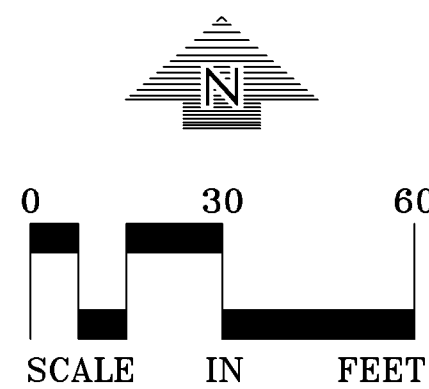
License No. Vicki J. Van Dell - PE 41352
Date -

QUALITY CONTROL

Loecks Project No. 17457.00
Project Lead: JLV
Drawn By: JLV
Checked By: NMM
Reviewed By: JLV

SHEET INDEX

C0-1	COVER SHEET
C1-1	EXISTING CONDITIONS PLAN
C2-1	SITE PLAN
C2-2	SITE PLAN OVERLAY
C3-1	GRADING PLAN
C3-2	GRADING PLAN OVERLAY
C8-1	CIVIL DETAILS
SL-1	SITE LIGHTING PLAN



SITE PLAN
C2-1

All Luminaires Are Flat Lens - Full Cutoff Type. All Have 0 - 10 Volt Dimming Drivers.

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Lum. Lumens	BUG Rating	
⬜	2	AA	SINGLE	1.000	Leotek #ARXX-15M2-MV-NW-4-XX-700 Single Mounted At A Height Of 30'	124	14905	B3-U0-G2	
⬜	5	CC	SINGLE	1.000	Leotek #ARXX-15M2-MV-NW-3-XX-700 Single Mounted At A Height Of 30'	124	14955	B2-U0-G2	
⬜	1	CC-P	SINGLE	1.000	Leotek #ARXX-15M2-MV-NW-3-XX-700 Single Mounted At A Height Of 30' Shown As Proof Of Lighting Only	124	14955	B2-U0-G2	

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Access Drive	Illuminance	Fc	1.38	2.2	0.4	3.45	5.50
Parking Lot	Illuminance	Fc	1.96	4.0	0.4	4.90	10.00
Property Line	Illuminance	Fc	0.13	3.0	0.0	N.A.	N.A.

Lighting Power Density Calculation:

Parking Lot Surface Area: 37,619 Square Feet

Total Wattage Employed: 744 Watts

Lighting Power Density = .0198 Watts Per Suare Foot

Lighting by:

Charlie Leavitt, LC, MIES
Lighting Fundamentals, LLC
PO Box 50827
Mendota, MN 55150-0877
charlie@lightingfundamentalsllc.net
651-399-7768

This Property Is Bounded On Three Sides By Commercial Roadways
And By Other Commercial Properties On It's West Boundary.

Scale: 1" = 30'



All Luminaires Are Flat Lens - Full Cutoff Type. All Have 0 - 10 Volt Dimming Drivers.

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Lum. Lumens	BUG Rating
⬜	2	AA	SINGLE	0.810	Leotek #ARXX-15M2-MV-NW-4-XX-700 Single Mounted At A Height Of 30'	124	14905	B3-U0-G2
⬜	5	CC	SINGLE	0.810	Leotek #ARXX-15M2-MV-NW-3-XX-700 Single Mounted At A Height Of 30'	124	14955	B2-U0-G2
⬜	1	CC-P	SINGLE	0.810	Leotek #ARXX-15M2-MV-NW-3-XX-700 Single Mounted At A Height Of 30' Shown As Proof Of Lighting Only	124	14955	B2-U0-G2

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Access Drive	Illuminance	Fc	1.11	1.8	0.3	3.70	6.00
Parking Lot	Illuminance	Fc	1.59	3.2	0.3	5.30	10.67
Property Line	Illuminance	Fc	0.11	2.4	0.0	N.A.	N.A.

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