

Item #2:
Report Of February 10, 2014 AC Meeting
Outdoor Parking Lot Lighting - Mill Pond Shops



AGENDA
ARCHITECTURAL COMMISSION
REGULAR MEETING
Monday, February 10, 2014 at 7:00 P.M.

CALL TO ORDER:

ACTION ITEMS:

- 1) **Approval of the December 16, 2013 Draft Regular Meeting Minutes.**
- 2) **Consideration of a request for outdoor lighting at 225 Robert Parker Coffin Road and within the B-1 Historic District, for the "Mill Pond Shops" submitted by Mr. Ken Siwieck, New Midwest Capital.**

OTHER BUSINESS:

NONE

ADJOURNMENT: Next Scheduled Meeting: March 17, 2014 @ 7:00 PM

The Village of Long Grove is subject to the requirements of the Americans with Disabilities Act of 1990. Individuals with disabilities who plan to attend this meeting and who require certain accommodations in order to allow them to observe and/or participate in this meeting, or who have questions regarding the accessibility of the meeting or the facilities, are requested to phone David Lothspeich, Long Grove Village Manager at 847-634-9440 or TDD 847-634-9650 promptly to allow the Village of Long Grove to make reasonable accommodations for those persons.

Planning and Design Guidelines

Privately-owned Properties, *continued*

Historic Downtown

Signage Regulations

Signs

Signs shall follow the requirements set forth in the Long Grove Municipal Code, 5-9-5, Signs, to the greatest extent possible, except as listed below.

General Requirements

- Signs must reflect the historic and eclectic feel of the Long Grove Historic Downtown and be integrated within the landscaping and architecture whenever possible.
- Creative and unique signs are encouraged.
- Signs may not be internally illuminated.
- Recommended signs can be illuminated with architecturally appropriate fixtures including goose-neck style, carriage style, ground sign up lighting, or other fixtures designed to be hidden from view.

Placement

- No sign shall be placed more than 12 feet above finished grade at the main entrance of the building.
- Signs must be placed adjacent to the destination they are intended to serve.
- Window signs area allowed but are to cover no more than 20% of the total window space.

Colors

- A darker background with lighter lettering is encouraged.
- Use body colors for awnings and canopies that blend with the building facade.

Materials

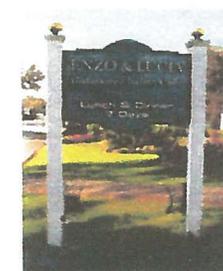
- Signs should be simple and constructed of high quality materials.
- Signs must be durable, vandal resistant, and designed for easy maintenance.
- Suggested materials include painted wood, metal, and stone.
- No particle board or plastic is allowed.
- Highly reflective metallic signs are not permitted.

Content

- Signs shall be limited to the business name and a maximum of five additional words describing the products or services.
- Signs may not include an email, web, address, or phone number of the business.
- A graphic or symbol may be included on the sign given it is complementary to the overall design of the sign.

Temporary Signs

- Temporary signs must comply with Section 5-9-3 of the Long Grove Municipal Code.
- Hand lettered or temporary ground stake signs are prohibited.
- Daily retail "specials" signs or sandwich board are not allowed to be placed within the right-of-way.





STRUCTURE/FIXTURE ARCHITECTURAL COMMISSION APPLICATION

DATE: 1-29-14

APPLICANT'S NAME: KEN SIWIECK E-MAIL: ksiwiedc@newmidwestgroup.com

ADDRESS: 1111 WILLIS WHEELING PHONE: 847-420-1785

NAME OF BUSINESS: NEW MIDWEST CAPITAL

BUSINESS ADDRESS: 225 ROBERT PARKER COFFIN PHONE:

TYPE OF STRUCTURE/FIXTURE: PARKING LOT

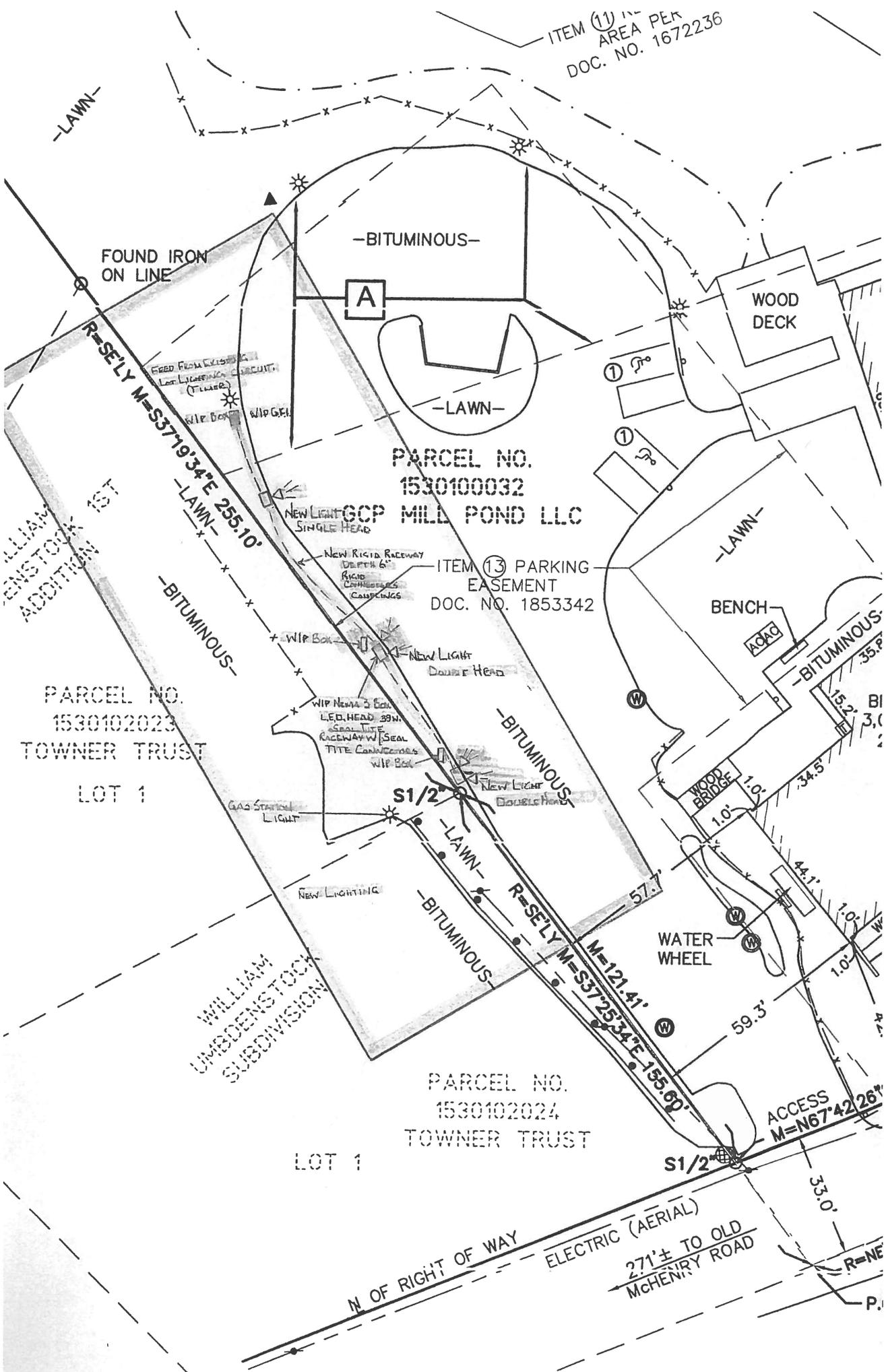
- 1. LOCATION OF STRUCTURE/FIXTURE ON PROPERTY: A. PROVIDE SITE PLAN. B. PROVIDE PHOTOGRAPH OF SITE. C. SQUARE FOOTAGE OF STRUCTURE... SQUARE FEET.
2. DRAWING OF PLANNED STRUCTURE/FIXTURE: A. DIMENSIONS. B. ELEVATIONS (ALL DIRECTIONS). C. LIST MATERIALS TO BE USED/SAMPLE OF COLORS.
3. NAME, ADDRESS, AND PHONE NUMBER OF FIRM ERECTING OR MANAGING STRUCTURE: KEN SIWIECK PHONE: 847-420-1785 E-MAIL:

The property owner's signature is required below before any application may be processed. It is understood by the property owner(s) that he or she has read and understands the regulations governing the commercial property under this application in the Village of Long Grove, accepts and is liable for any corrections or modifications required to meet the standards of the Village, and further approves the work to be done on their property.

BUSINESS OWNER(S) [Signature] (AGENT)
PROPERTY OWNER(S)

APPLICATION APPROVAL: DATE:

ITEM (1) PER AREA PER DOC. NO. 1672236



FOUND IRON ON LINE

-BITUMINOUS-

A

WOOD DECK

PARCEL NO. 1530100032
GCP MILL POND LLC

ITEM (13) PARKING EASEMENT
DOC. NO. 1853342

PARCEL NO. 1530102023
TOWNER TRUST
LOT 1

PARCEL NO. 1530102024
TOWNER TRUST
LOT 1

N. OF RIGHT OF WAY
ELECTRIC (AERIAL)
271'± TO OLD MCHENRY ROAD

ACCESS M=N67°42'26"

WILLIAM WENSTOCK ADDITION

WILLIAM WENSTOCK SUBDIVISION

-LAWN-

-LAWN-

-LAWN-

BENCH

AGAG

WOOD BRIDGE

WATER WHEEL

R=SELY M=S57°19'34"E 255.10'

R=SELY M=S37°25'34"E 155.60'

M=121.41'
M=S37°25'34"E 155.60'

33.0'

R=NE

Barnes Electric Construction
P.O. Box 1102
McHenry Illinois 60050
708-650-0032

Attn: Village of Long Grove

Reason : Letter of Intend to complete work at Shops at Mill
Pond

This contractor being Barnes Electric Construction has completed upgrades to the parking lot lighting at Long Grove Café. Shops at Mill Pond. The Following is a list of materials used.

All material to be UL listed.

All labor to follow 2008 NEC code.

5-37w led 250w equal flood lights RAB Type
1/2in rigid pipe HW
W/P proof type boxes 2x4
W/P type covers
Rigid type water proof connectors
Rigid type treaded couplings
Rigid type compression couplings
GFI outlet 20amp
1/2in seal tite w/internal ground
1/2in seal tite connectors
6x6x6 nema 3 W/P boxes
#12 thhn stranded wire
Galvanized mounting hardware
1/2in 1 hole straps
1/2in minis
Raceway depth to 6in or more

Removal of old extension cord lighting.
Removal of socket type 75w halogen lighting from foelage.
Removal of over load of circuit due to halogen type lamps.
This reduced load from 950w to 185w.
Removal of household extension cords at various locations.
Removal of extension cords from goose guard wire at fence.

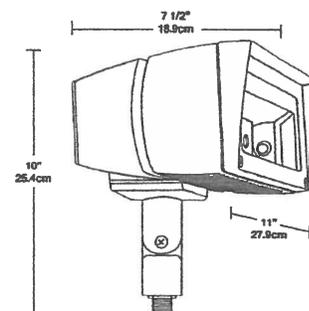
Robert Barnes
Barnes Electric

FFLED39

Rectangular shaped LED floodlight designed to replace 150W Metal Halide. Patent Pending airflow technology ensures long LED and driver lifespan. Use for building facade lighting, sign lighting, LED landscape lighting and instant-on security lighting.

Color: Bronze

Weight: 12.5 lbs



LED Info

Watts: 39W
 Color Temp: 5000K (Cool)
 Color Accuracy: 65
 L70 Lifespan: 100000
 LM79 Lumens: 4,596
 Efficacy: 112 LPW

Driver Info

Type: Constant Current
 120V: 0.35A
 208V: 0.20A
 240V: 0.18A
 277V: 0.15A
 Input Watts: 41W
 Efficiency: 95%

Technical Specifications

Lumen Maintenance:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

IP Rating:

Ingress Protection rating of IP65 for dust and water.

NEMA Type:

7H x 6V Beam Spread.

LEDs:

Two multi-chip, 26Watt high performance LEDs.

Driver:

Constant Current, Class 2, 1050mA, 100-277V, 50/60Hz, 0.6A, Power Factor 99%

THD:

7.7% at 120V, 6.8% at 277V

Surge Protection:

4kV

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

Thermal Management Housing:

Superior heat sinking with external Air-Flow fins.

Mounting:

Heavy-duty mounting arm with O ring seal & stainless steel screw.

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2008.

Equivalency:

The FFLED39 is Equivalent in delivered lumens to a 150W Metal Halide.

Effective Projected Area:

EPA = 0.65

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone gaskets.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy Lighting Facts label.

California Title 24:

FFLED39 complies with California Title 24 building and electrical codes.

RAB
LIGHTING

Tech Help Line: 888 RAB-1000

Email: sales@rabweb.com

On the web at: www.rabweb.com

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Note: Specifications are subject to change without notice

Page 1 of 2

FFLED39 - continued

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. See our full warranty .

Patents:

The FFLED design is protected by U.S. Pat. D643,147, Canada Pat. 140798, China Pat. ZL201130171304.1, Mexico Pat. 36757 and pending patent in Taiwan.

UL Listing:

Suitable For Wet Locations. Suitable for mounting within 1.2M(4FT) of the ground.

Threaded Size:

1/2" threaded arm.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.





Products Floodlights LED Floodlights LED LFLOOD 39W **FFLED39**

Spec Sheet Instructions LM79 IES File

Buy Now



Color: Bronze

FFLED39

Ultra efficient LED and optical design
 Replaces 150W MH floodlights
 100,000 hour life based on LM-80 tests
 Air-flow technology heatsink
 NEMA type - 7H x 6V
 5-year warranty

LED Info

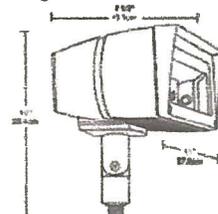
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 L70 Lifespan: 100,000
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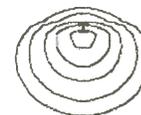
Type: Constant Current
 120V: 0.35A
 208V: 0.20A
 240V: 0.18A
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 Input Watts: 41W
 Efficiency: 95%

Dimensions

Weight: 12.5 lbs



EZ Layout



Design a custom lighting layout

Technical Specifications

Lumen Maintenance:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

IP Rating:

Ingress Protection rating of IP65 for dust and water.

NEMA Type:

7H x 6V Beam Spread.

LEDs:

Two multi-chip, 26Watt high performance LEDs.

Driver:

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THD:

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Surge Protection:

4kV

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

Thermal Management Housing:

Superior heat sinking with external Air-Flow fins.

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Heavy-duty mounting arm with O ring seal & stainless steel screw.

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EPA = 0.65

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone gaskets.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy Lighting Facts label.

California Title 24:

FFLED39 complies with California Title 24 building and electrical codes.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. See our full warranty here.

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Date : 26 Jan 2014

Title : Long Grove

Desc : Parking Lot Lights

Luminaire

IES Filename itl79398-c.ies

Description FFLED39 - FFLED39SF - FFLED39T
CAST METAL LED DRIVER HOUSING, CAST
FINNED METAL HEAT
TWO WHITE MULTI-CHIP LIGHT EMITTING

For : New Midwest Capitol

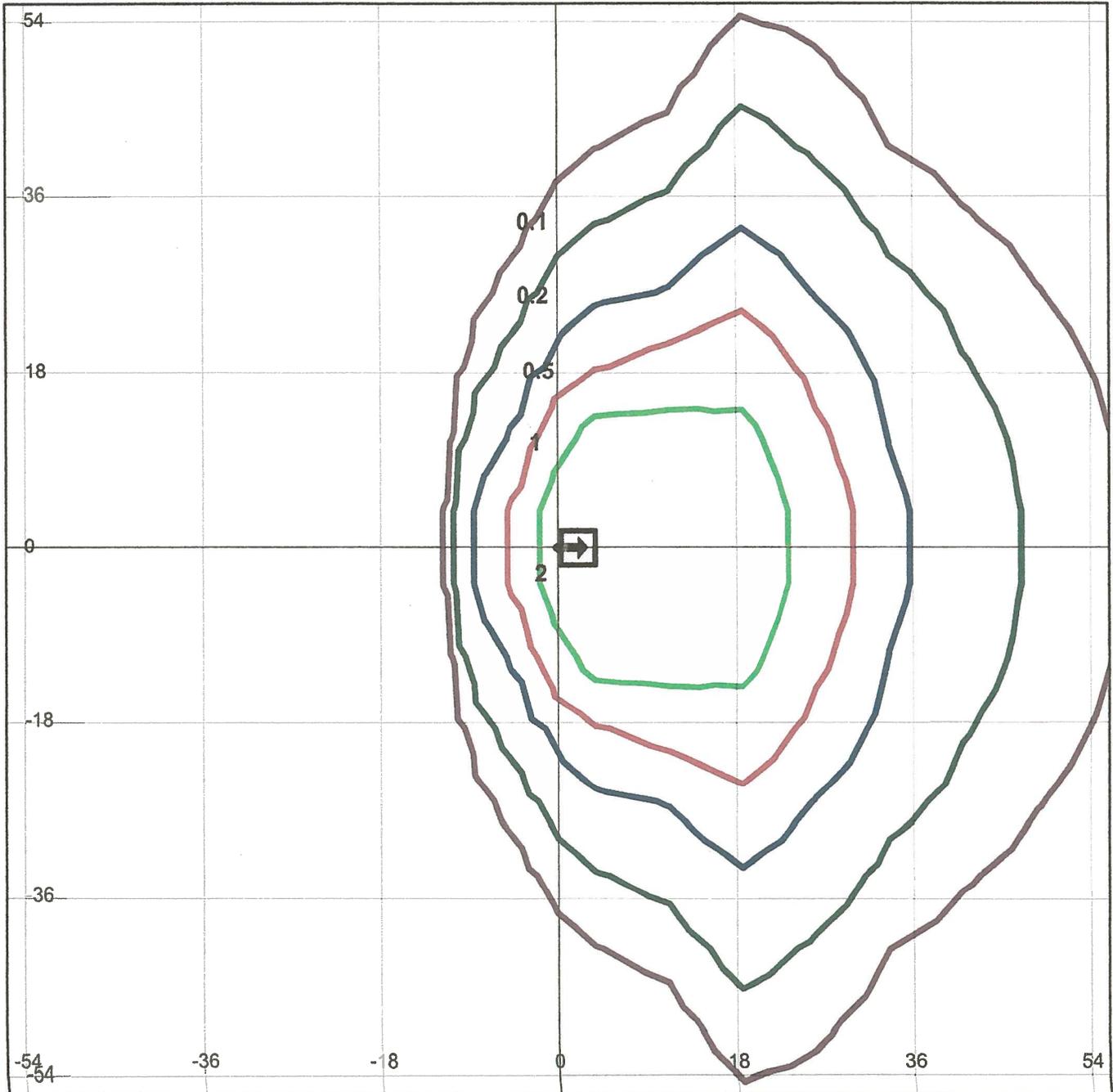
By : Barnes Electric

Light Loss Factor 1.00
Number of Lamps 2
Lamp Lumens -1 lms
Luminaire Watts : 39 W



Scale: 0 16 32 feet

Arrangement Magnification: 100 %





Arrangement

Single
 Arm : 2 ft
 Offset : -- ft

Layout

Cols (X) Rows (Y)
 Layout : 1 1
 Spacing : 10 10 ft
 Mounting Height : 18 ft
 Orient : 0 deg
 Tilt : 30 deg

Statistical Analysis

Illuminance Values

Average : 0.29 fc
 Maximum : 4.37 fc
 Minimum : 0.00 fc
 Avg/Min Ratio : N.A. fc
 Max/Min Ratio : N.A. fc
 Max/Avg Ratio : 14.91 fc

Lighting Power Density

LPD : 0.003 W /ft²
 LPD Area : 12544 ft²
 LPD Watts : 39 W
 Total Watts : 39 W

Luminaire Location Summary

N	Arrangement	Lum #	X	Y	Z	Orient	Tilt	Tilt Factor
1	Single	1	0.0 2.0	0.0 0.0	18.0 18.0	0 0	30 30	1.000



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Title : Long Grove

Desc : Parking Lot Lights

Luminaire

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Description FFLED39 - FFLED39SF - FFLED39T
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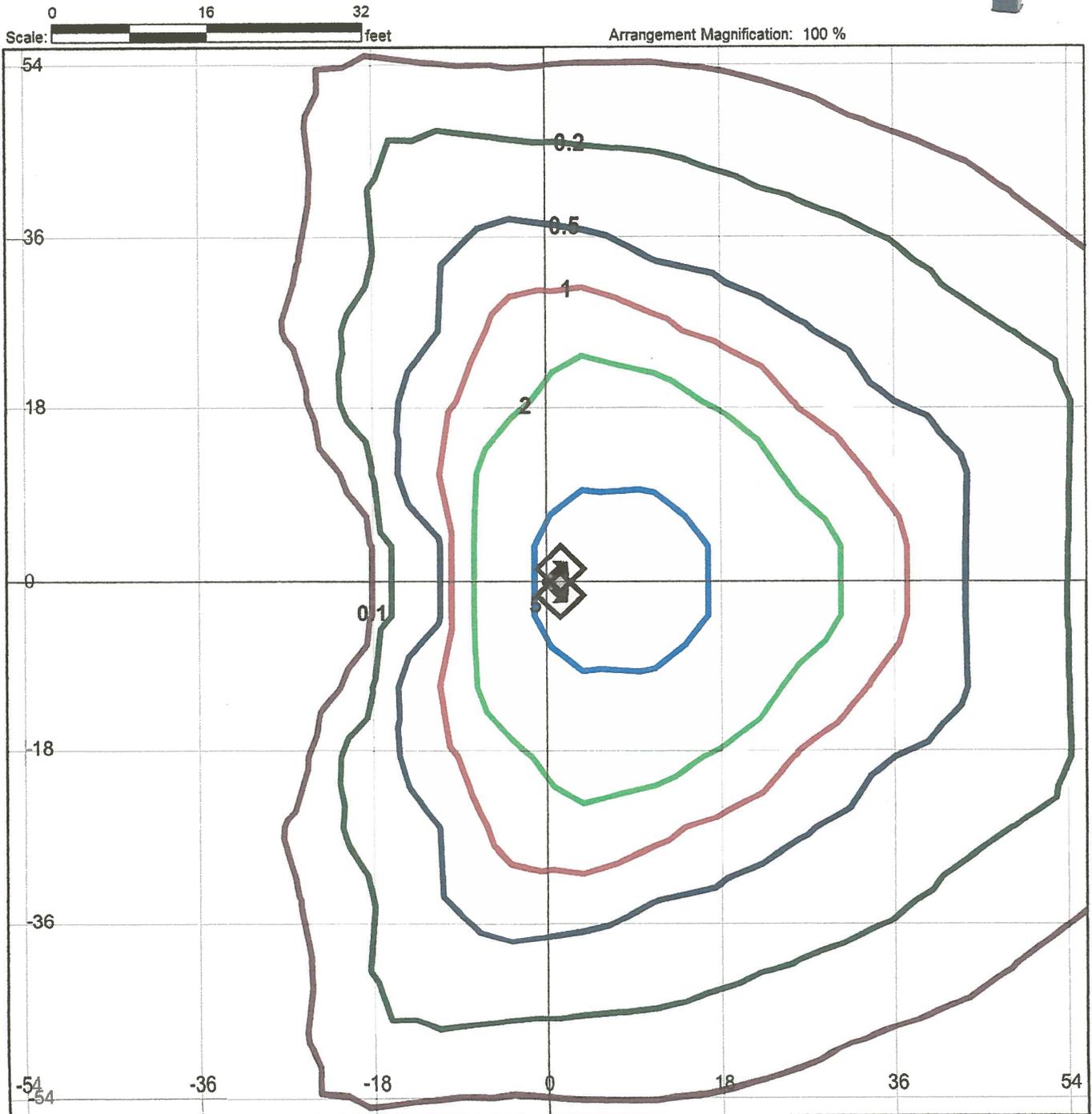
Light Loss Factor : 1.00

By : Barnes Electric

Number of Lamps : 2

Lamp Lumens : -1 lms

Luminaire Watts : 39 W





Arrangement

2 @ 90 deg.

Arm : 2 ft

Offset : -- ft

Layout

Cols (X) Rows (Y)

Layout : 1 1

Spacing : 10 10 ft

Mounting Height : 18 ft

Orient : 0 deg

Tilt : 30 deg

Statistical Analysis

Illuminance Values

Average : 0.59 fc

Maximum : 7.78 fc

Minimum : 0.00 fc

Avg/Min Ratio : N.A. fc

Max/Min Ratio : N.A. fc

Max/Avg Ratio : 13.09 fc

Lighting Power Density

LPD : 0.006 W /ft²

LPD Area : 12544 ft²

LPD Watts : 78 W

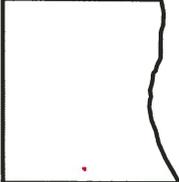
Total Watts : 78 W

Luminaire Location Summary

N	Arrangement	Lum #	X	Y	Z	Orient	Tilt	Tilt Factor
1	2 @ 90 deg.		0.0	0.0	18.0	0	30	
		1	1.4	1.4	18.0	45	30	1.000
		2	1.4	-1.4	18.0	-45	30	1.000

Lake County, Illinois



 **LakeCounty**
Geographic Information System

Lake County Department
of Information Technology
18 N County St
Waukegan IL 60085
(847) 377-2373

Map Printed on 02/04/2014

 N

-  Forest Preserves
-  Lake County Border
-  Streams
-  Tax Parcels
-  Trails

Disclaimer The selected soil feature layer may not occur anywhere in the current map extent. A Registered Land Surveyor should be consulted to determine the precise location of property boundaries on the ground. This map does not constitute a regulatory determination and is not a base for engineering design. This map is intended to be viewed and printed in color.