



City of Fitchburg
 Planning/Zoning Department
 5520 Lacy Road
 Fitchburg, WI 53711
 (608) 270-4200

CONDITIONAL USE PERMIT APPLICATION RURAL EVENT VENUE

The undersigned owner, or owner's authorized agent, of property herein described hereby applies for a conditional use permit for the following described property:

1. Location of Property:

Street Address: Byrne Road, Fitchburg, WI 53711

Legal Description - (Metes & Bounds, or Lot No. And Plat): Lot 2, Certified Survey Map 15004 recorded in Vol. 106 of certified Survey Maps, page 105 as #5460649 in the City of Fitchburg, Dane County, Wisconsin

***Also submit in electronic format by email to: **PLANNING@FITCHBURGWI.GOV**

2. Current Use of Property: Agriculture - farming

3. Proposed Use of Property: Agriculture and rural event space

4. Proposed Development Schedule: Spring 2022 - 2023

5. Zoning District: A - S

6. Future Land Use Plan Classification: Ag + Open / FUDA

***Pursuant to Section 22-3(b) of the Fitchburg Zoning Ordinance, all Conditional Use Permits shall be consistent with the currently adopted City of Fitchburg Comprehensive Plan.

***Attach three (3) copies of a site plan which shows any proposed land divisions, plus vehicular access points and the location and size of all existing and proposed structures and parking areas. Two (2) of the three (3) copies shall be no larger than 11" x 17". Submit one (1) pdf document of the entire submittal to planning@fitchburgwi.gov.

Additional information may be requested.

Proposed Hours of Operation: See attached **No. Of Employees:** Approx. 1 FT and 10 PT

Floor Area: 10,000 sq. ft. **No. Of Parking Stalls:** 94 paved

Applicant shall provide all information as required by section 22-540(5), see page 2 for checklist

Sewer: Municipal _____ Private X **Water:** Municipal _____ Private X

Current Owner of Property: Jeffrey Schleicher (sole member of) Murphy's Creek, LLC

Address: 3491 Leflore Ct. Verona, WI 53593 **Phone No:** 608-444-0991

Contact Person: Jeffrey Schleicher

Email: schleicher.jeff@gmail.com

Address: 3491 Leflore Ct. Verona, WI 53593 **Phone No:** 608-444-0991

Respectfully Submitted By: Murphy's Creek, LLC Jeffrey Schleicher, Member
 Owner's or Authorized Agent's Signature

**** It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an CUP application to identify any concerns or issues of surrounding residents.**

PLEASE NOTE - Applicants shall be responsible for legal or outside consultant costs incurred by the City. Submissions shall be made at least four (4) weeks prior to desired plan commission meeting.

PLEASE NOTE: The landowner of record may be subject to a conversion fee upon implementation of the action identified in this application, per Sec. 74.485., Wisconsin Statutes. Please refer to said Statute or contact the City's Assessing Department at 608-270-4235 for further information.

For City Use Only: **Date Received:** _____ **Publish:** _____

Ordinance Section No. _____ **Fee Paid:** _____

Permit Request No. _____

APPLICATION REVIEW CHECKLIST:

YES

- X **Size of venue and guest capacity, including a floor plan of the venue and other areas/structures to be utilized, provision of restroom facilities (temporary, portable restroom facilities are prohibited), and location of refuse/recycling receptacles and disposal method**
- X **Months (seasons) and hours/days of operation**
- X **Primary types of events to be hosted and events which will not be hosted, to include descriptions of proposed accessory activities such as hayrides, petting farms, bonfires, etc.**
- X **Anticipated number of events per year and maximum number of attendees per event**
- X **Music use at the venue, including types of sound amplification**
- X **Temporary structures or tents to be used in association with events**
- X **Landscaping Plan for site**
- X **Signage Plan for site (type & fixtures)**
- X **Lighting Plan (in footcandles) & fixtures cut-sheets**
- X **Insurance coverage**
- X **For new buildings: a description of agricultural entertainment use and or agricultural accessory or related use that is to operate on the premises per section 22-540(5)(c)**
- X **Acknowledgment of placement of a deed restriction on the property, to be recorded at the time of issuance of the conditional use permit, ensuring rural event venue use, or another permitted/conditional use as allowed in the Agriculture-Small (A-S) zoning district, in to perpetuity or to such time as the City extinguishes said restriction**
- X **Any other documentation required by the Zoning Administrator**

Addendum to the Conditional Use Permit Application for a Rural Event Venue on Byrne Road, CSM 15004

1. Venue: New building of a traditional agrarian architectural style equipped to host meetings and/or social gatherings, including but not limited to weddings, parties, corporate events and community gatherings, that will also house a retail area for the sale of raw, processed, or value-added agricultural products produced primarily from the farm operations on site. This rural event venue is in a direct response to the overwhelming support found in the city survey conducted prior to the comprehensive plan update, and is consistent with the updated Comprehensive Plan itself, and is in compliance with the recently passed city ordinance which allows rural event venues.
 - a. See attached floor plan and other architect renderings.
 - i. Approximately 10,000 sq. ft. event venue with retail space for agricultural accessory sales.
 - ii. Maximum guest capacity of 300
 - iii. Features separate groom's room and bride's room with dedicated powder rooms, complete restroom facilities to code, catering area, bar, storage, ceremony and reception areas and retail space for ag product sales. There will be no outdoor storage.
 - iv. Commercial refuse and recycling containers will be enclosed and located on the east side of building, and serviced at least weekly by a commercial collection service.
 - v. The interior will have a fire suppression sprinkler system supported by a water storage tank and related pumping system, and a fire detection/notification/alarm system, consistent with Fire Chief Joe Pulvermacher's suggestion.
 - vi. The exterior design and finish will aesthetically be pleasing and consistent with its rural setting.
 - b. See attached site plan, grading and erosion control plan, and landscaping plan
 - i. 31-acre site currently zoned A-S of which approximately 4 acres will be used for the building site and asphalt driveway and parking, with the balance of the acres to be devoted to agricultural use. The two larger fields to the north and the one to the west will continue to be rotated between corn and soybeans. The field to the east, which contains the 4 acres for the building and parking, will also be used to grow products in the areas north and south of the building, thus minimizing the use of agricultural land for the venue itself. A variety of products will be grown (e.g., lavender, pumpkins, etc.) to provide a variety of offerings throughout the summer and early fall.
 - ii. A minimum 200-foot buffer is provided on the south, west and north sides of property, (property abuts Highway 14 to the east), with buffer plantings along the south property line where it is abutting a residence. This rural event venue will have no impact on any permitted use of surrounding properties.
 - iii. Signage will be low profile, monument style, field stone and wood, located near the driveway but north of the road easement.

- iv. The driveway and 94 parking stalls will be paved to eliminate any dust and will include handicap parking. The average wedding will have approximately 200 guests. Maximum capacity will be 300. At a minimum attendees arrive as couples, two to a car. In almost all weddings the wedding party will arrive by shuttle of some type, and many other guests staying in local hotels also arrive by hotel shuttle. Many others will also use ride share transportation options. Thus, parking needs will be closer to a ratio of 1 stall per 3 guests (standard in many communities) or less. For the rare occasion there will also be overflow parking to the west of the driveway north of the 200-foot buffer zone.
- v. The driveway access to Byrne Road is on the outside gentle bend of the road which allows for excellent site lines. The peak of our minimal traffic will not occur during any adjacent street peak hour, thus having minimal if any impact on the area. The Fitchburg Senior Transportation Engineer, Andrew McFadden, has reviewed our preliminary site plan and business use and stated a traffic study will not be required. He stated the location of the driveway is reasonable.
- vi. The driveway and turnaround will allow for adequate access and room for the Fire Departments largest fire truck turning radius. Access drives on the south and east side of the building allow truck access to at least two sides of the building and maintainable paths/sidewalks exist around the structure to accommodate all exit locations, consistent with Fire Chief Joe Pulvermacher's suggestions.

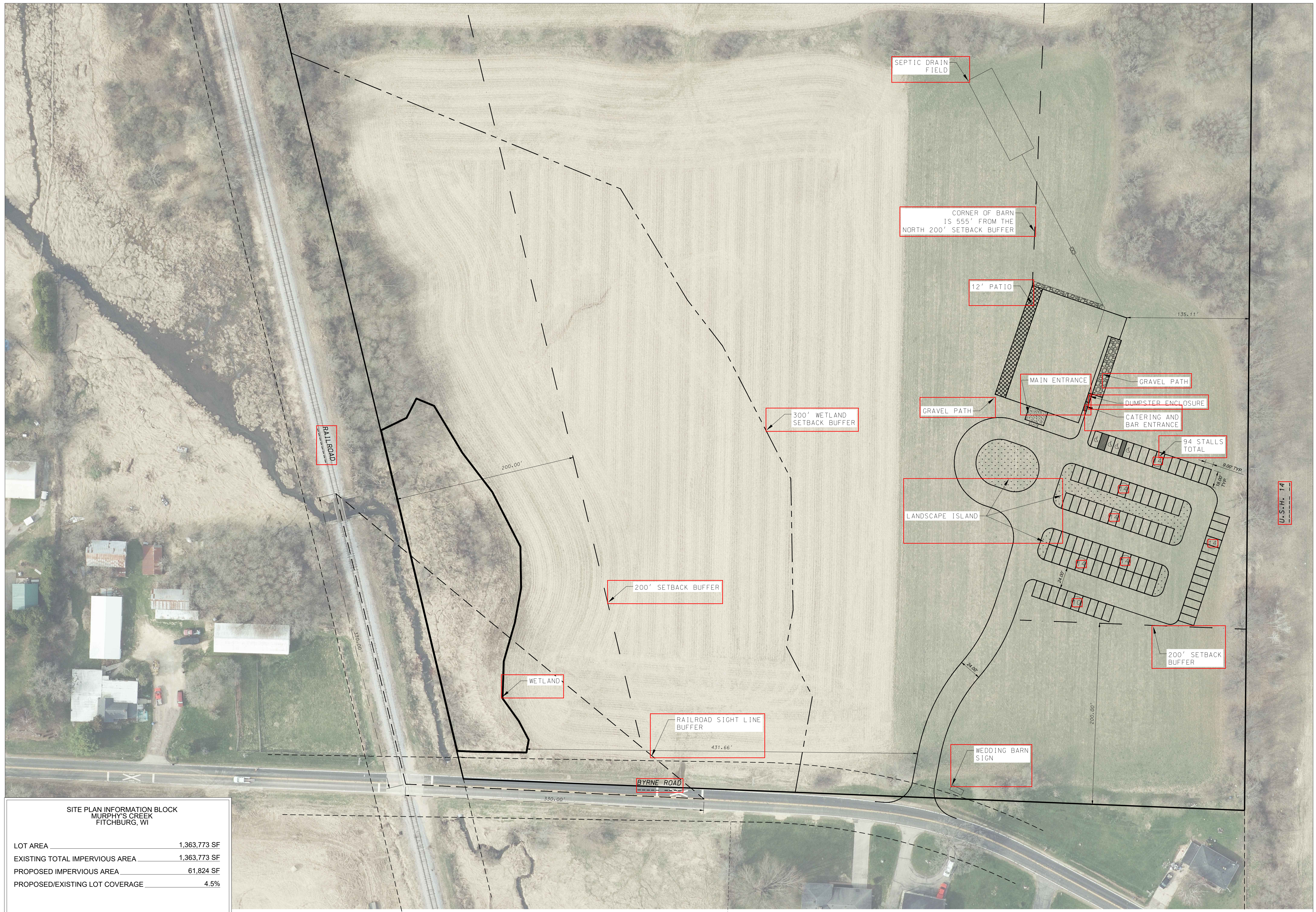
2. Hours of Operation

- a. Year-round operations
- b. The days and hours of operations are completely contingent on contracted events along with seasonal retail hours based on product availability. Events will mostly occur on Saturdays and some Fridays. Customers would typically have access to the facility starting at 9 a.m. at the earliest, with guests arriving mid-afternoon with the event concluding at 11:00 p.m. Weekday corporate events, or the rare wedding that occurs on a Sunday through Thursday, would start no earlier than 8:00 a.m. and conclude no later than 10:00 p.m.
- c. Retail product sale hours, when in season, would be weekends from 9:00 a.m. to noon.
- d. Average weekly hours of operation are expected to be 16 or less.

3. Events

- a. Primary event use will be for wedding ceremonies and receptions
 - i. An estimated 75 wedding events will be hosted annually, with a limited number of wedding events in the winter months with most occurring outside of the winter months. It is anticipated that approximately 40-45 of these events will occur on a Saturday and the remaining 30-35 will occur on a Friday.
- b. Secondary event use for corporate events and others
 - i. An estimated 25 corporate events will be hosted per year, with the vast majority of these work-related events occurring weekdays during normal business hours with the occasional corporate sponsored holiday party or other social gathering.

- ii. The venue would also be available for yet to be determined community events such as community meetings needing a larger space or other events conducive to promoting Fitchburg agricultural tourism.
 - c. Ag product sales will occur on select weekends based on seasonality
- 4. Music
 - a. Music at the venue depends on guest preferences for a band or DJ but will only be within the event venue, having very little impact, if any on the area.
- 5. Temporary Structures
 - a. It is unlikely any events would be using any temporary structures or tents as the terrain is generally sloped in nature.
- 6. Landscaping Plan (see landscaping plan attached)
 - a. Grass and flowers
 - b. Trees and shrubs
 - c. Barrier/buffer plantings to the south
- 7. Signage Plan (see site plan)
 - a. Low profile monument style with rural character
 - b. Stone/wood
- 8. Lighting Plan
 - a. There will be minimal lighting only as needed for safety and will be dark sky compliant with minimal impact to the area. Lighting would be used only during scheduled events. See attached lighting plan.
- 9. Insurance Coverage
 - a. M3 (see attached letter)
- 10. Agricultural Accessory Use: Lavender, pumpkins, and other agricultural products to be grown and sold on site when in season.
- 11. We acknowledge that the granting of the Conditional Use Permit for a Rural Event Venue will result in the placement of a deed restriction on the property, to be recorded at the time of issuance of the conditional use permit, ensuring rural event venue use, or another permitted/conditional use as allowed in the Agriculture-Small (A-S) zoning district, in to perpetuity or to such time as the City extinguishes said restriction.



SEPTIC DRAIN FIELD

CORNER OF BARN IS 555' FROM THE NORTH 200' SETBACK BUFFER

12' PATIO

MAIN ENTRANCE

GRAVEL PATH

DUMPSTER ENCLOSURE

CATERING AND BAR ENTRANCE

94 STALLS TOTAL

LANDSCAPE ISLAND

200' SETBACK BUFFER

WETLAND

RAILROAD SIGHT LINE BUFFER

BYRNE ROAD

WEDDING BARN SIGN

200' SETBACK BUFFER

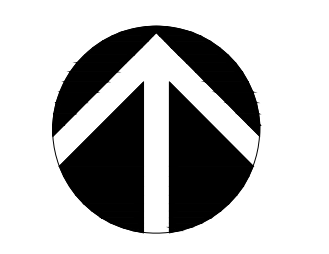
U.S.H. 14

**SITE PLAN INFORMATION BLOCK
MURPHY'S CREEK
FITCHBURG, WI**

LOT AREA	1,363,773 SF
EXISTING TOTAL IMPERVIOUS AREA	1,363,773 SF
PROPOSED IMPERVIOUS AREA	61,824 SF
PROPOSED/EXISTING LOT COVERAGE	4.5%

D'ONOFRIO KOTKE AND ASSOCIATES, INC.
7530 Westward Way, Madison, WI 53717
Phone: 608.833.7530 • Fax: 608.833.1089
YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

SITE PLAN
MURPHY'S CREEK
CITY OF FITCHBURG, DANE COUNTY, WISCONSIN



GRID NORTH
WISCONSIN COUNTY COORDINATE
SYSTEM (DANE ZONE)

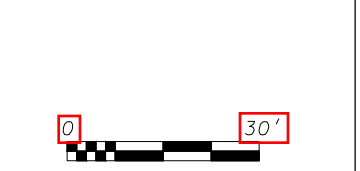
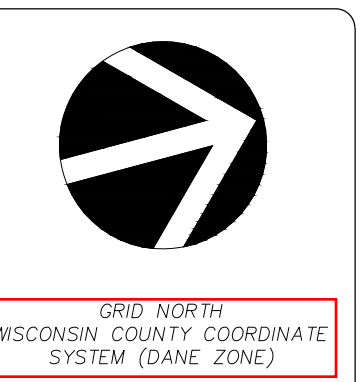
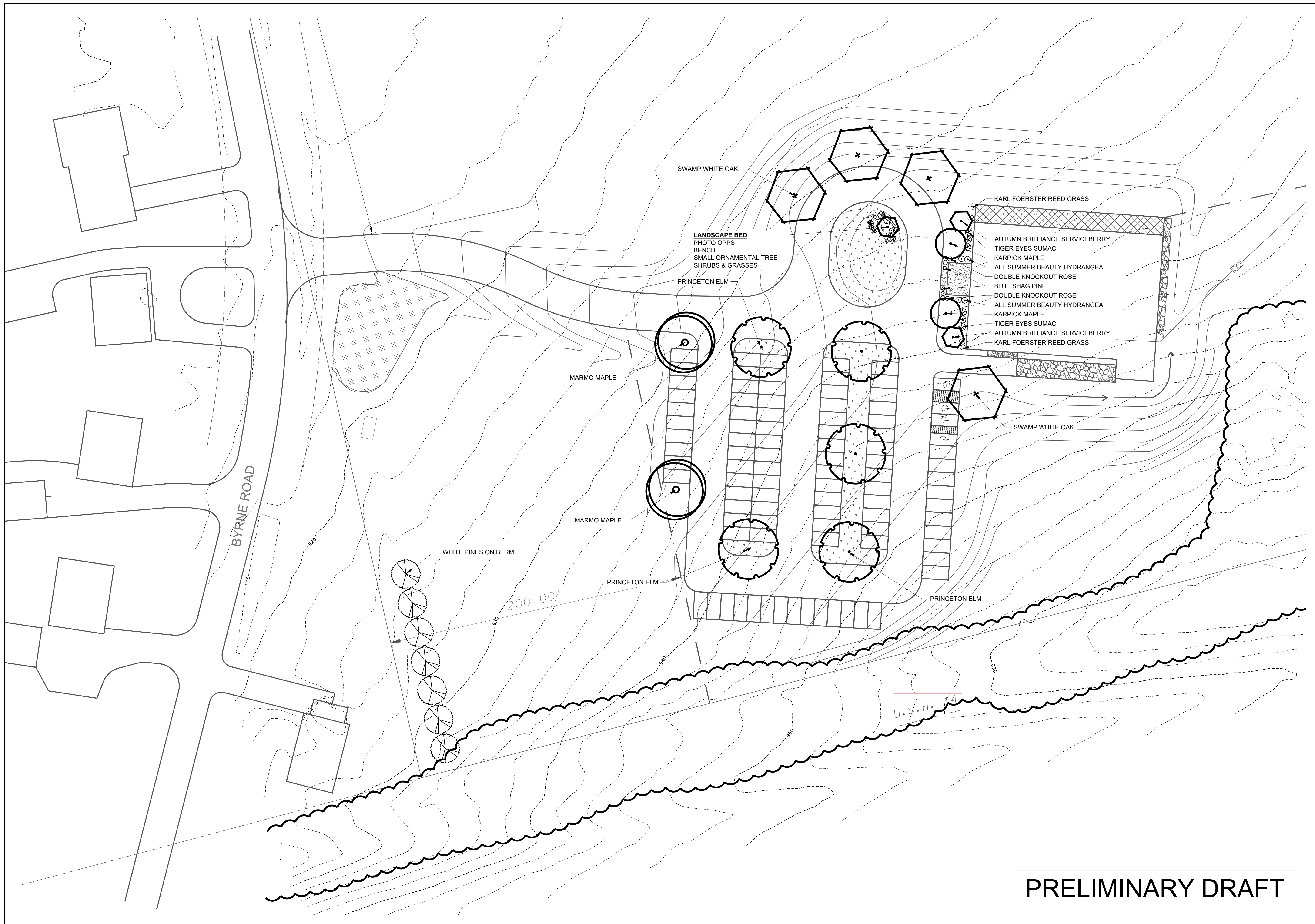
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DATE: 12-6-21
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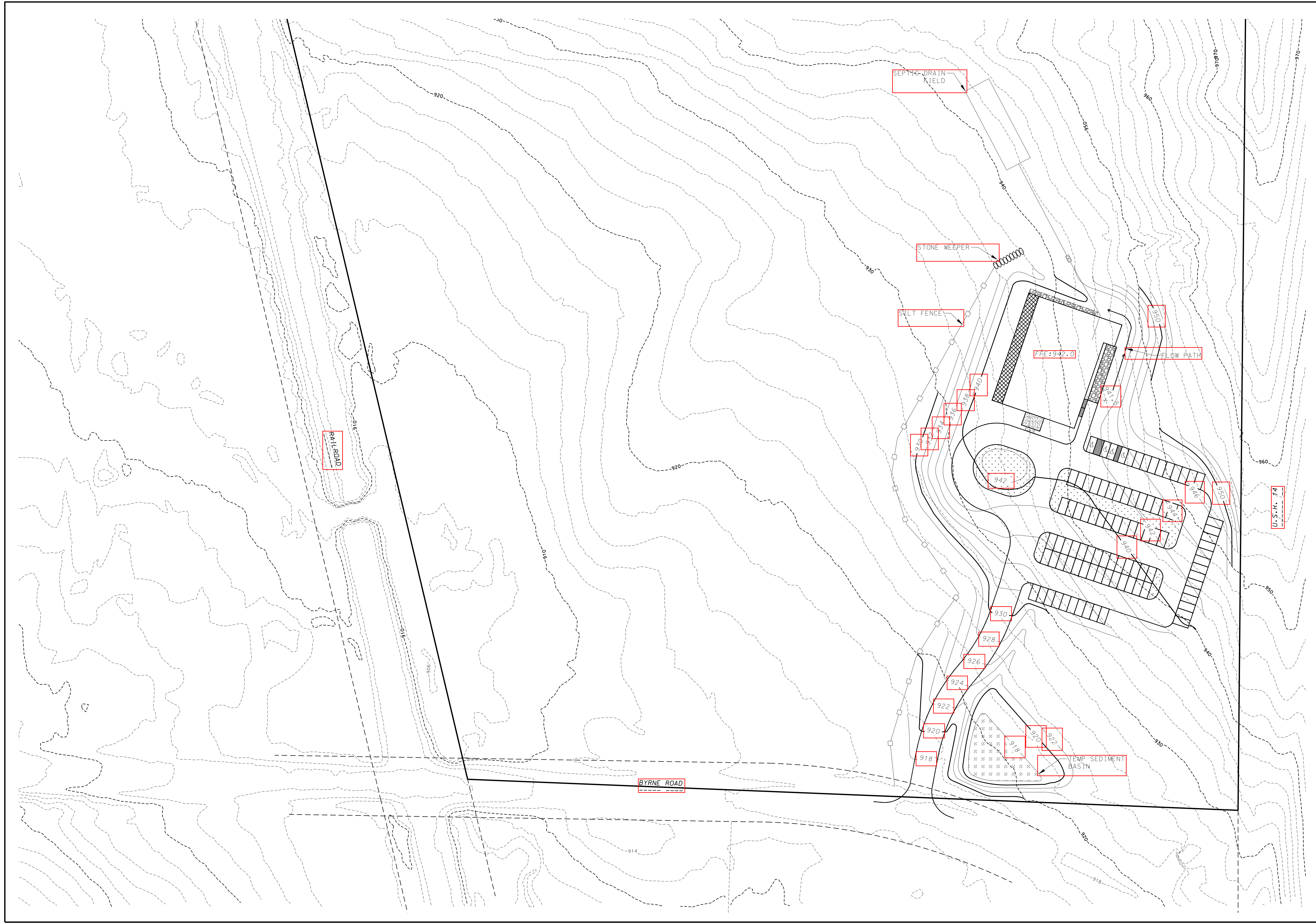
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Sheet Number:
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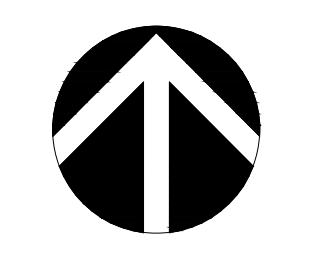
DATE: 11-22-21
 REVISED:

PRELIMINARY DRAFT



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 7530 Westward Way, Madison, WI 53717
 Phone: 608.833.7530 • Fax: 608.833.1089
 YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

GRADING AND EROSION CONTROL PLAN
MURPHY'S CREEK
 CITY OF FITCHBURG, DANE COUNTY, WISCONSIN



GRID NORTH
 WISCONSIN COUNTY COORDINATE
 SYSTEM (DANE ZONE)

SCALE: 1" = 50'



DATE: 11-22-21
 REVISED:

FN: 21-05-159

Sheet Number:
 C-2



Murphy's Creek
Fitchburg Event Barn
Fitchburg, WI

Designer
S. SCHWENBERGER
Date
11/17/2021
Scale
Not to Scale
Drawing No.
8:22 AM
Summary



PLANNING MAP

MURPHY'S CREEK

CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

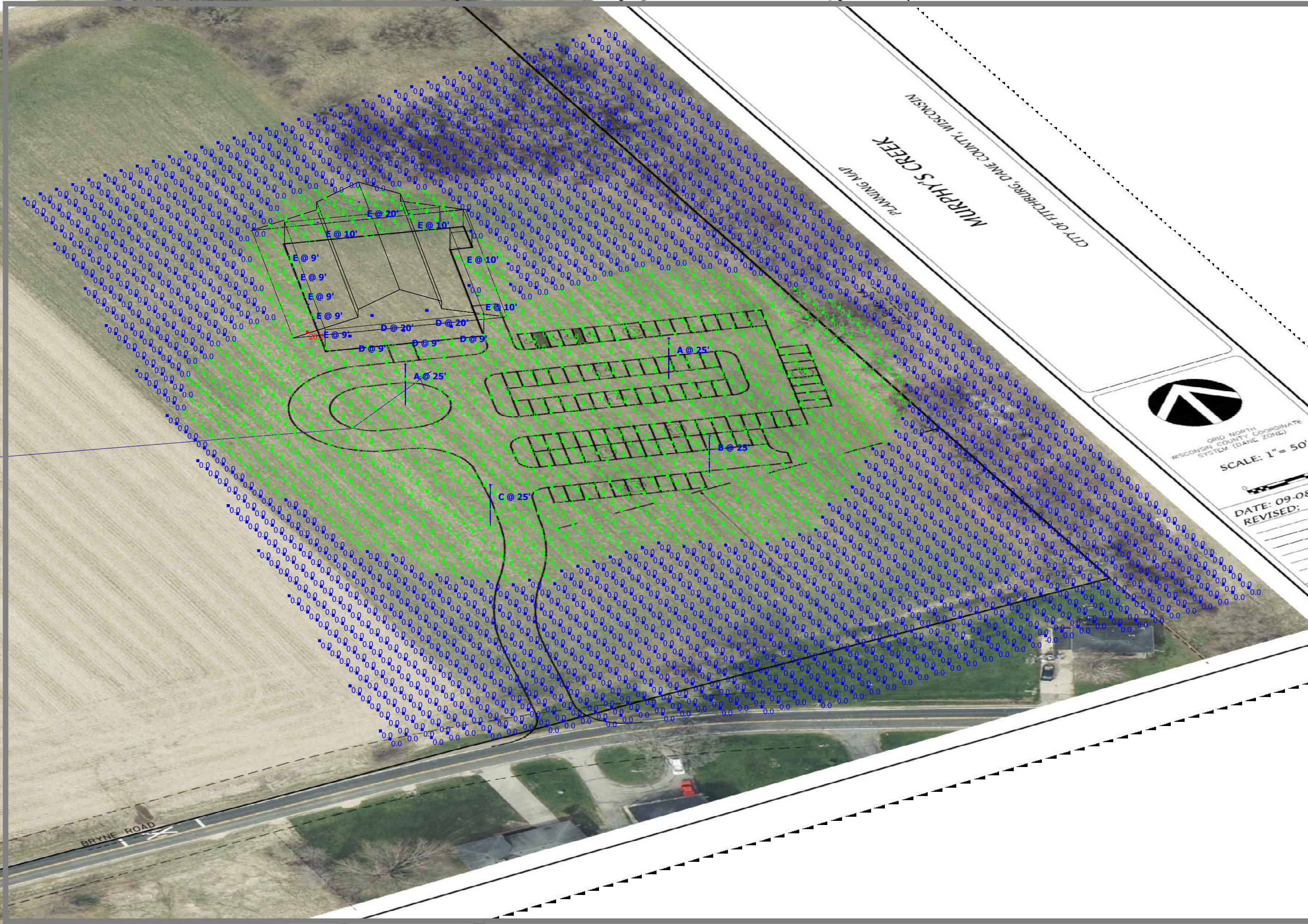


GRID NORTH
WISCONSIN COUNTY COORDINATE
SYSTEM (DANE ZONE)

SCALE: 1" = 50'



Murphy's Creek
Fitchburg Event Barn
Fitchburg, WI



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8:22 AM
Summary



RSX2 LED Area Luminaire

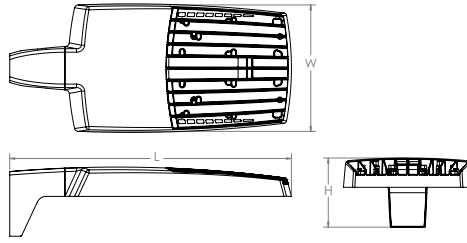


Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA (ft²@0°):	0.69 ft ² (0.06 m ²)
Length:	29.3" (74.4 cm) (SPA mount)
Width:	13.4" (34.0 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.3 cm) Arm
Weight: (SPA mount)	30.0 lbs (13.6 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED						
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting	
RSX2 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) ²	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)	
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) ³	RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°)	
	P3	50K 5000K	R3S Type 3 Short	XVOLT (277V-480V) ⁴	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)	
	P4		R4 Type 4 Wide	(use specific voltage for options as noted)	IS Adjustable slipfitter (fits 2-3/8" OD tenon) ⁶	
	P5		R4S Type 4 Short		WBA Wall bracket ¹	
	P6		R5 Type 5 Wide ¹		120 ³ 277 ⁵	WBASC Wall bracket with surface conduit box
			R5S Type 5 Short ¹		208 ³ 347 ⁵	AASP Adjustable tilt arm square pole mounting ⁶
			AFR Automotive Front Row		240 ³ 480 ⁵	AARP Adjustable tilt arm round pole mounting ⁶
			AFRR90 Automotive Front Row Right Rotated		AAWB Adjustable tilt arm with wall bracket ⁶	
			AFRL90 Automotive Front Row Left Rotated		AAWSC Adjustable tilt arm wall bracket and surface conduit box ⁶	

Options	Finish
<p>Shipped Installed</p> <p>HS House-side shield⁷</p> <p>PE Photocontrol, button style^{8,9}</p> <p>PEX Photocontrol external threaded, adjustable^{9,10}</p> <p>PER7 Seven-wire twist-lock receptacle only (no controls)^{9,11,12,13}</p> <p>CE34 Conduit entry 3/4" NPT (Qty 2)</p> <p>SF Single fuse (120, 277, 347)⁵</p> <p>DF Double fuse (208, 240, 480)⁵</p> <p>SPD20KV 20KV Surge pack (10KV standard)</p> <p>FAO Field adjustable output^{9,13}</p> <p>DMG 0-10V dimming extend out back of housing for external control (control ordered separate)^{9,13}</p> <p>DS Dual switching^{9,14}</p>	<p>Shipped Installed</p> <p>*Standalone and Networked Sensors/Controls (factory default settings, see table page 9)</p> <p>NLTAIR2 nLight AIR generation 2^{13,15,16}</p> <p>PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2)^{13,16,17}</p> <p>BAA Buy America(n) Act Compliant</p> <p>*Note: PIRHN with nLight Air can be used as a standalone dimming sensor with out-of-box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted.</p> <p>Shipped Separately (requires some field assembly)</p> <p>EGS External glare shield⁶</p> <p>EGFV External glare full visor (360° around light aperture)⁷</p> <p>BS Bird spikes¹⁸</p>
	<p>DDBXD Dark Bronze</p> <p>DBLXD Black</p> <p>DNAXD Natural Aluminum</p> <p>DWHXD White</p> <p>DBBTDX Textured Dark Bronze</p> <p>DBLBDX Textured Black</p> <p>DNATXD Textured Natural Aluminum</p> <p>DWHGXD Textured White</p>



Ordering Information

Accessories

Ordered and shipped separately.

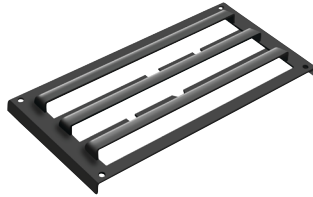
RSX2HS	RSX2 House side shield (includes 2 shields)
RSX2EGS (FINISH) U	External glare shield (specify finish)
RSX2HSFRR (FINISH) U	RSX2 House side shields for AFR rotated optics (includes 2 shields)
RSX2EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) ¹
RSXSBCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) ¹⁹
DLL347F 1.5 CULJU	Photocell -SSL twist-lock (347V) ¹⁹
DLL480F 1.5 CULJU	Photocell -SSL twist-lock (480V) ¹⁹
DSHORT SBK U	Shorting cap ¹⁹

NOTES

- Any Type 5 distribution, is not available with WBA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- XVOLT driver not available with P1. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE or PEX.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Maximum tilt is 90° above horizontal.
- It may be ordered as an accessory.
- Requires MVOLT or 347V.
- Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, DS, PIRHN).
- Requires 120V, 208V, 240V, or 277V.

- Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- Two or more of the following options cannot be combined including DMG, DS, PER7, FAO and PIRHN.
- DS only available on performance package P5 and P6.
- Must be ordered with PIRHN.
- Requires MVOLT or HVOLT.
- Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield



External Glare Shield

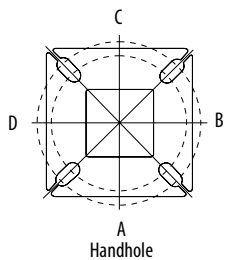


External 360 Full Visor

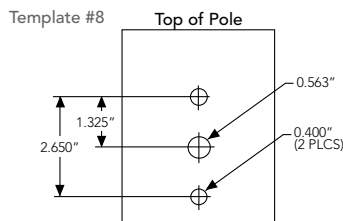
Pole/Mounting Information

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

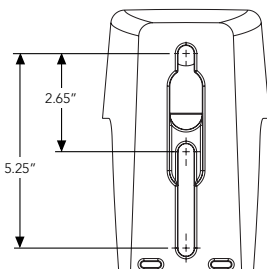
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2 - 3/8"	RPA, AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2 - 7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX2 - Luminaire EPA

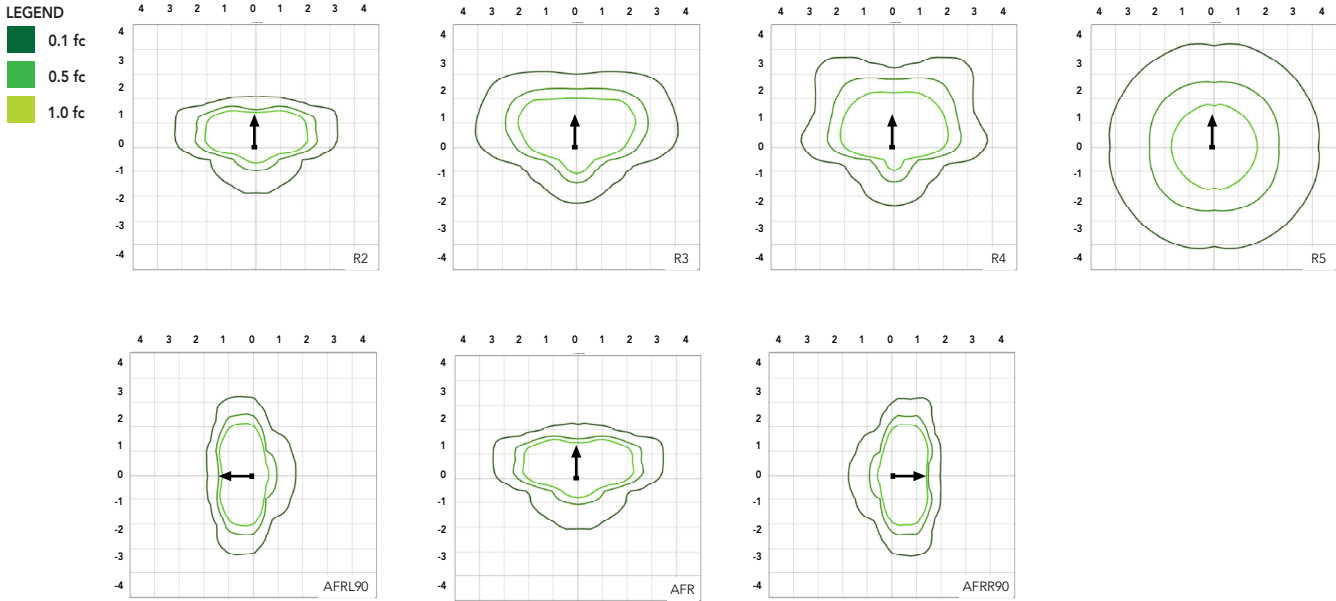
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side	
SPA - Square Pole Adaptor	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74	
RPA - Round Pole Adaptor	0.74	1.27	1.37	1.9	1.71	2.49	1.42	2.16	2.84	
MA - Mast Arm Adaptor	0.61	1.14	1.11	1.64	1.45	2.23	1.29	1.9	2.58	
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
	10°	0.53	1.06	1.05	1.58	1.37	2.08	1.06	1.59	2.12
	20°	0.52	1.02	1.03	1.52	1.33	2.02	1.03	1.55	2.07
	30°	0.64	1.11	1.18	1.63	1.45	2.21	1.27	1.91	2.54
	40°	0.81	1.21	1.35	1.74	1.65	2.39	1.62	2.43	3.23
	45°	0.91	1.25	1.5	1.81	1.75	2.48	1.82	2.73	3.64
	50°	1.34	1.83	2.17	2.61	2.56	3.62	2.68	4.02	5.36
	60°	2.2	2.97	3.57	4.24	4.17	5.89	4.41	6.61	8.82
	70°	2.86	4.13	4.7	5.89	5.71	8.21	5.71	8.57	11.42
	80°	3.4	5.13	5.67	7.34	7.09	10.21	6.79	10.19	13.59
90°	3.85	5.96	6.55	8.58	8.31	11.88	7.70	11.56	15.41	

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX2 LED P6 40K. Distances are in units of mounting height (30').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	71W	0.59	0.34	0.30	0.26	0.20	0.15
P2	111W	0.93	0.53	0.46	0.40	0.32	0.23
P3	147W	1.23	0.70	0.61	0.53	0.42	0.31
P4	187W	1.55	0.90	0.78	0.68	0.53	0.38
P5	210W	1.75	1.01	0.87	0.76	0.60	0.44
P6	244W	2.03	1.17	1.01	0.88	0.70	0.51

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

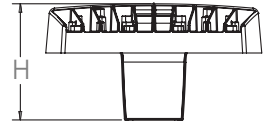
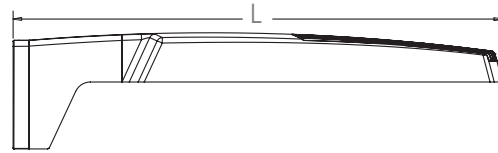
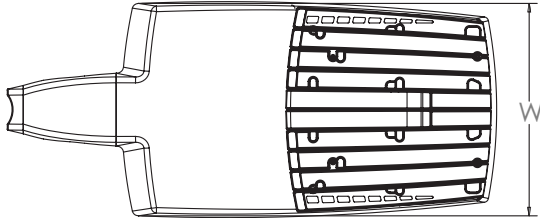
Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	71W	R2	10,040	2	0	1	139	11,031	2	0	1	153	11,031	2	0	1	153
		R3	10,005	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155
		R3S	10,271	2	0	2	143	11,285	2	0	2	157	11,285	2	0	2	157
		R4	10,136	2	0	2	143	11,136	2	0	2	157	11,136	2	0	2	157
		R4S	9,779	2	0	2	138	10,744	2	0	2	151	10,744	2	0	2	151
		R5	10,271	4	0	2	145	11,285	4	0	2	159	11,285	4	0	2	159
		R5S	10,544	3	0	1	149	11,585	3	0	2	163	11,585	3	0	2	163
		AFR	10,026	2	0	1	141	11,016	2	0	1	155	11,016	2	0	1	155
		AFRR90	10,122	3	0	2	140	11,121	3	0	2	154	11,121	3	0	2	154
		AFRL90	10,164	3	0	2	141	11,167	3	0	2	155	11,167	3	0	2	155
P2	111W	R2	15,712	2	0	2	138	17,263	2	0	2	151	17,263	2	0	2	151
		R3	15,657	2	0	3	141	17,202	3	0	3	155	17,202	3	0	3	155
		R3S	16,075	2	0	2	141	17,661	2	0	2	155	17,661	2	0	2	155
		R4	15,862	2	0	3	143	17,427	2	0	3	157	17,427	2	0	3	157
		R4S	15,304	2	0	2	138	16,815	2	0	2	151	16,815	2	0	2	151
		R5	16,075	4	0	2	145	17,661	5	0	3	159	17,661	5	0	3	159
		R5S	16,502	4	0	2	149	18,130	4	0	2	163	18,130	4	0	2	163
		AFR	15,691	2	0	2	141	17,240	2	0	2	155	17,240	2	0	2	155
		AFRR90	15,841	3	0	3	139	17,404	4	0	3	153	17,404	4	0	3	153
		AFRL90	15,907	3	0	3	139	17,477	4	0	3	153	17,477	4	0	3	153
P3	147W	R2	19,855	3	0	2	132	21,814	3	0	2	145	21,814	3	0	2	145
		R3	19,785	3	0	3	135	21,737	3	0	4	148	21,737	3	0	4	148
		R3S	20,312	3	0	3	135	22,317	3	0	3	149	22,317	3	0	3	149
		R4	20,044	3	0	3	136	22,022	3	0	4	150	22,022	3	0	4	150
		R4S	19,339	3	0	3	132	21,247	3	0	3	145	21,247	3	0	3	145
		R5	20,313	5	0	3	138	22,317	5	0	3	152	22,317	5	0	3	152
		R5S	20,852	4	0	2	142	22,910	4	0	2	156	22,910	4	0	2	156
		AFR	19,828	3	0	2	135	21,785	3	0	2	148	21,785	3	0	2	148
		AFRR90	20,017	4	0	3	133	21,992	4	0	3	147	21,992	4	0	3	147
		AFRL90	20,101	4	0	3	134	22,084	4	0	3	147	22,084	4	0	3	147
P4	187W	R2	22,836	3	0	2	120	25,090	3	0	2	132	25,090	3	0	2	132
		R3	22,756	3	0	4	122	25,002	3	0	4	134	25,002	3	0	4	134
		R3S	23,363	3	0	3	123	25,668	3	0	3	135	25,668	3	0	3	135
		R4	23,054	3	0	4	123	25,329	3	0	4	135	25,329	3	0	4	135
		R4S	22,243	3	0	3	119	25,059	3	0	3	134	25,059	3	0	3	134
		R5	23,363	5	0	3	125	25,669	5	0	4	137	25,669	5	0	4	137
		R5S	23,983	4	0	2	128	26,350	4	0	2	141	26,350	4	0	2	141
		AFR	22,806	3	0	2	122	25,056	3	0	2	134	25,056	3	0	2	134
		AFRR90	23,023	4	0	3	121	25,295	4	0	3	133	25,295	4	0	3	133
		AFRL90	23,120	4	0	3	122	25,401	4	0	3	134	25,401	4	0	3	134
P5	210W	R2	26,141	3	0	2	122	28,721	3	0	2	135	28,721	3	0	2	135
		R3	26,049	3	0	4	124	28,620	3	0	4	136	28,620	3	0	4	136
		R3S	26,744	3	0	3	125	29,383	3	0	4	138	29,383	3	0	4	138
		R4	26,390	3	0	4	126	28,994	3	0	4	138	28,994	3	0	4	138
		R4S	25,462	3	0	3	121	27,974	3	0	3	133	27,974	3	0	3	133
		R5	26,744	5	0	4	127	29,383	5	0	4	140	29,383	5	0	4	140
		R5S	27,454	4	0	2	131	30,163	4	0	2	144	30,163	4	0	2	144
		AFR	26,106	3	0	2	124	28,682	3	0	2	137	28,682	3	0	2	137
		AFRR90	26,354	4	0	3	123	28,955	5	0	3	136	28,955	5	0	3	136
		AFRL90	26,465	4	0	3	124	29,077	5	0	3	136	29,077	5	0	3	136
P6	244W	R2	27,646	3	0	2	112	30,374	3	0	2	123	30,374	3	0	2	123
		R3	27,549	3	0	4	113	30,267	3	0	4	124	30,267	3	0	4	124
		R3S	28,283	3	0	3	115	31,075	3	0	4	126	31,075	3	0	4	126
		R4	27,909	3	0	4	114	30,663	3	0	4	126	30,663	3	0	4	126
		R4S	26,928	3	0	3	110	29,585	3	0	3	121	29,585	3	0	3	121
		R5	28,284	5	0	4	116	31,075	5	0	4	127	31,075	5	0	4	127
		R5S	29,035	4	0	2	119	31,900	5	0	3	131	31,900	5	0	3	131
		AFR	27,608	3	0	2	112	30,332	3	0	2	123	30,332	3	0	2	123
		AFRR90	27,872	4	0	3	113	30,622	5	0	3	124	30,622	5	0	3	124
		AFRL90	27,989	4	0	3	113	30,751	5	0	3	125	30,751	5	0	3	125

Dimensions & Weights

Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	30 lbs
RPA	32 lbs
MA	30 lbs
WBA	33 lbs
WBASC	36 lbs
IS	33 lbs
AASP	33 lbs
AARP	35 lbs
AAWB	36 lbs
AAWSC	39 lbs

RSX2 with Round Pole Adapter (RPA)

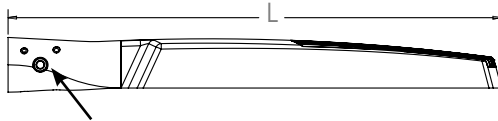
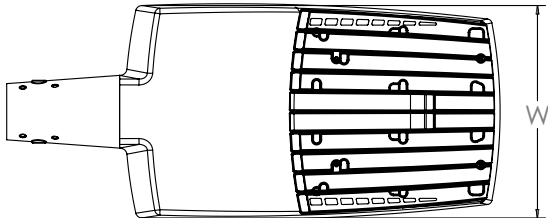


Length: 30.3" (77.0 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.3 cm) Arm

Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



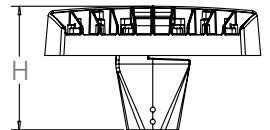
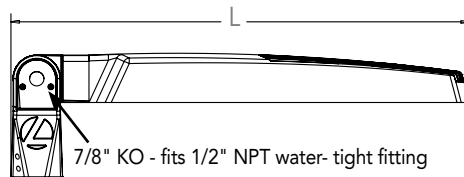
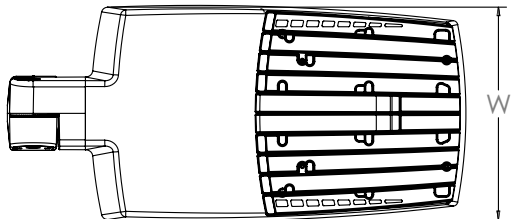
RSX2 with Mast Arm Adapter (MA)



Length: 30.6" (77.7 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 3.5" (8.9 cm) Arm

7/16" locking thru bolt/nut provided

RSX2 with Adjustable Slipfitter (IS)

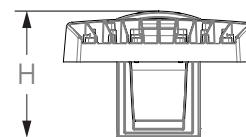
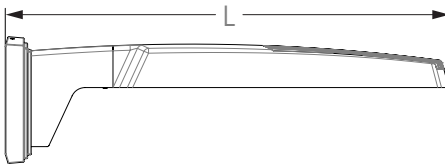
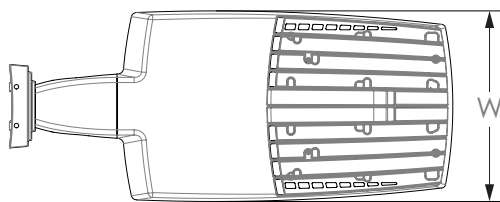


Length: 28.3" (71.9 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.6" (19.3 cm) Arm

7/8" KO - fits 1/2" NPT water-tight fitting

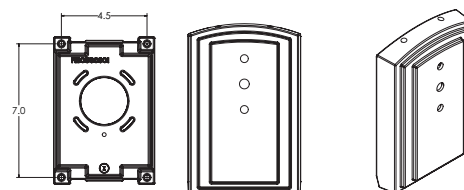
Dimensions

RSX2 with Wall Bracket (WBA)

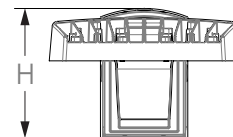
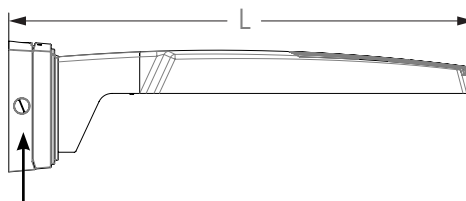
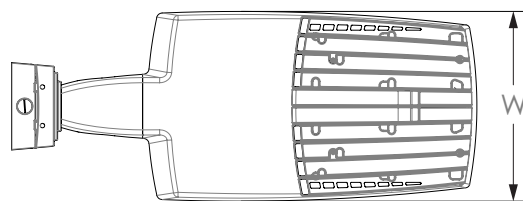


Length: 31.2" (79.2 cm)
 Width: 13.4" (41.7 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



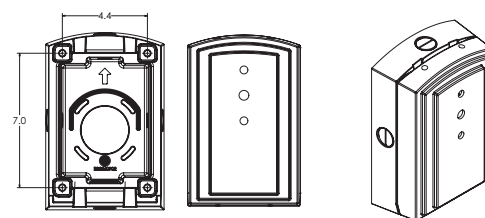
RSX2 with Wall Bracket with Surface Conduit Box (WBASC)



3/4" NPT taps with plugs - Qty (4) provided

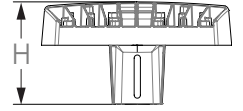
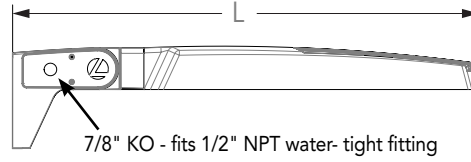
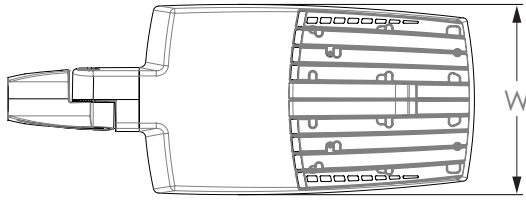
Length: 32.8" (83.3 cm)
 Width: 13.4" (41.7 cm)
 Height: 3.0" (7.6 cm) Main Body
 9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

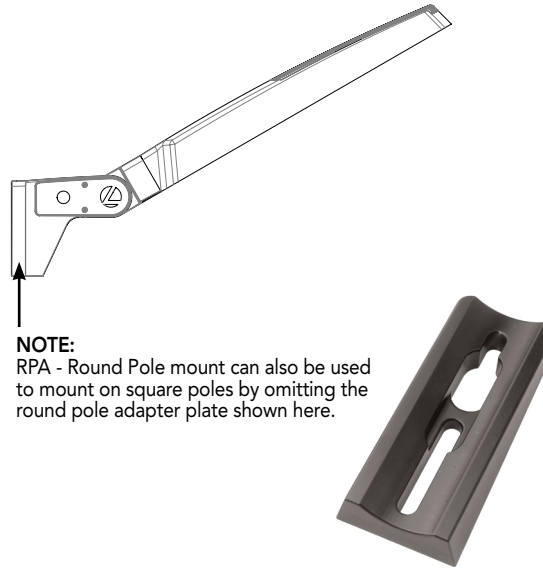


Dimensions

RSX2 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)



Length: 32.8" (83.3 cm) **AASP**
 33.8" (85.9 cm) **AARP**
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.2 cm) Arm



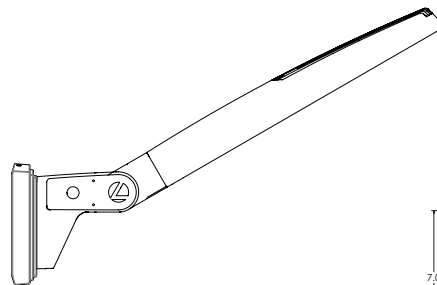
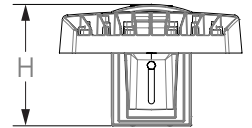
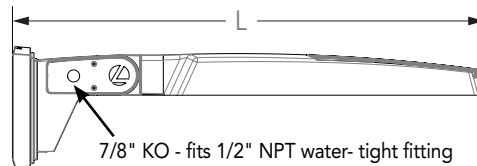
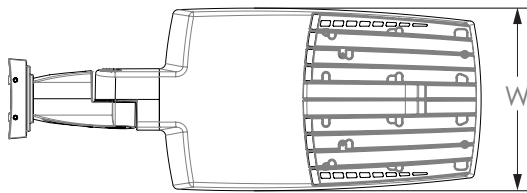
NOTE:
 RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

Notes

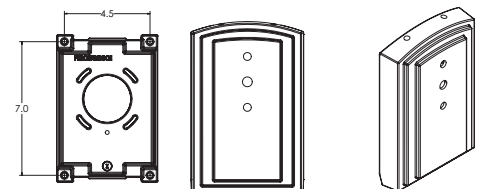
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX2 with Adjustable Tilt Arm with Wall Bracket (AAWB)



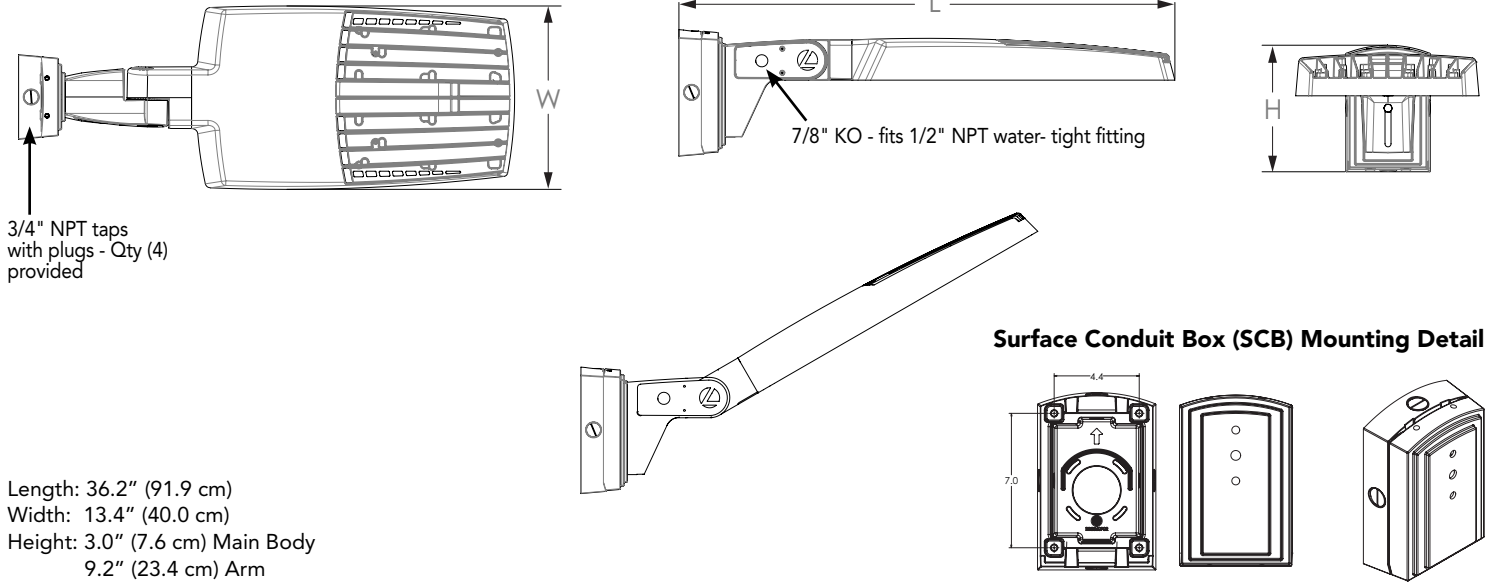
Wall Bracket (WBA) Mounting Detail



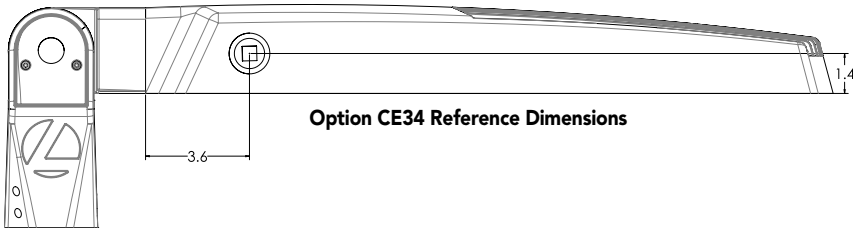
Length: 34.7" (88.0 cm)
 Width: 13.4" (34.0 cm)
 Height: 3.0" (7.6 cm) Main Body
 8.9" (22.6 cm) Arm

Dimensions

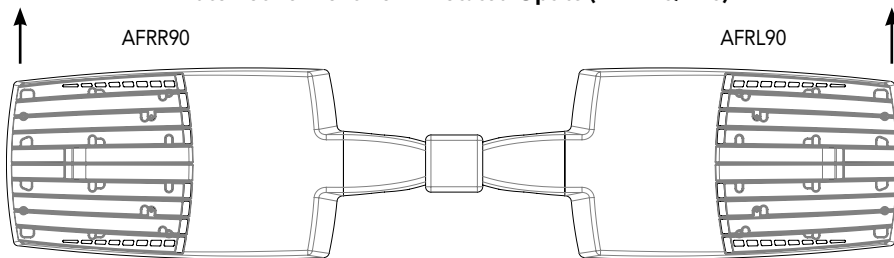
RSX2 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



Additional Reference Drawings

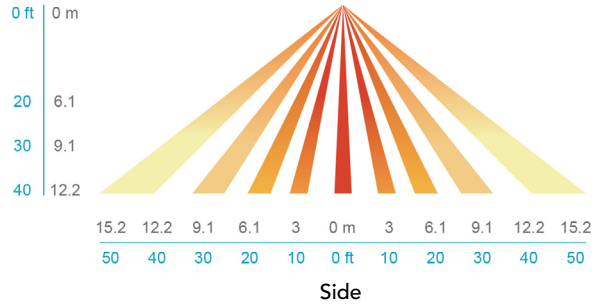
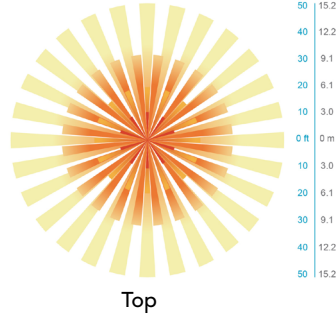
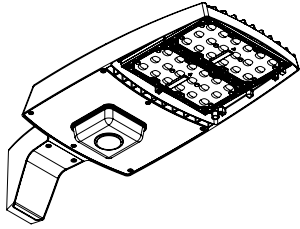


Automotive Front Row - Rotated Optics (AFRL90/R90)



(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

NLTAIR2 PIRHN nLight Sensor Coverage Pattern



Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clarity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is tilted.

FEATURES & SPECIFICATIONS

INTENDED USE

The RSX LED area luminaire is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX2 delivers 11,000 to 31,000 lumens and is ideal for replacing 250W to 1000W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION AND DESIGN

The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. Vibration rated per ANSI C136.31: 3G Mountings: Include SPA, RPA, MA, IS, AASP, AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warranted not to crack or peel.

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row) and AFR rotated AFRR90 and ARFL90.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS

The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

BUY AMERICAN

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



Color: Bronze

Weight: 7.1 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.22A
208V	0.13A
240V	0.11A
277V	0.10A
Input Watts	28.9W

LED Info

Watts	26W
Color Temp	4000K (Neutral)
Color Accuracy	70 CRI
L70 Lifespan	100,000 Hours
Lumens	3,738
Efficacy	129.3 lm/W

Technical Specifications

Compliance

UL Listed:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: P0000175P

Performance

Lifespan:

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

Construction

IP Rating:

Ingress protection rating of IP66 for dust and water

Finish:

Formulated for high durability and long-lasting color

Ambient Temperature:

Suitable for use in up to 40°C (104°F)

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Green Technology:

Mercury and UV free. RoHS-compliant components.

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60Hz, 120V: 0.22A, 208V: 0.13A, 240V: 0.11A, 277V 0.10A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:

10.02% at 120V, 10.55% at 277V

Power Factor:

98.3% at 120V, 95.4% at 277V

LED Characteristics

Color Consistency:

3-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 color temperature over a 5-year period

Technical Specifications (continued)

LED Characteristics

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Other

Patents:

The WPLED design is protected by U.S. Pat. D634878, Canada Pat 134878, China Pat. CN301649064S.

Equivalency:

Equivalent to 150W Metal Halide

Buy American Act Compliance:

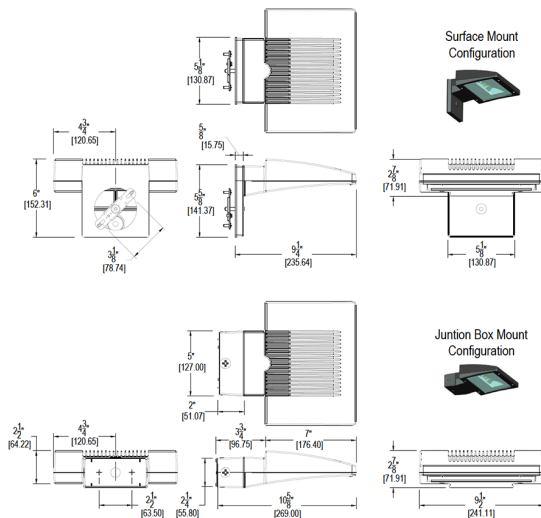
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

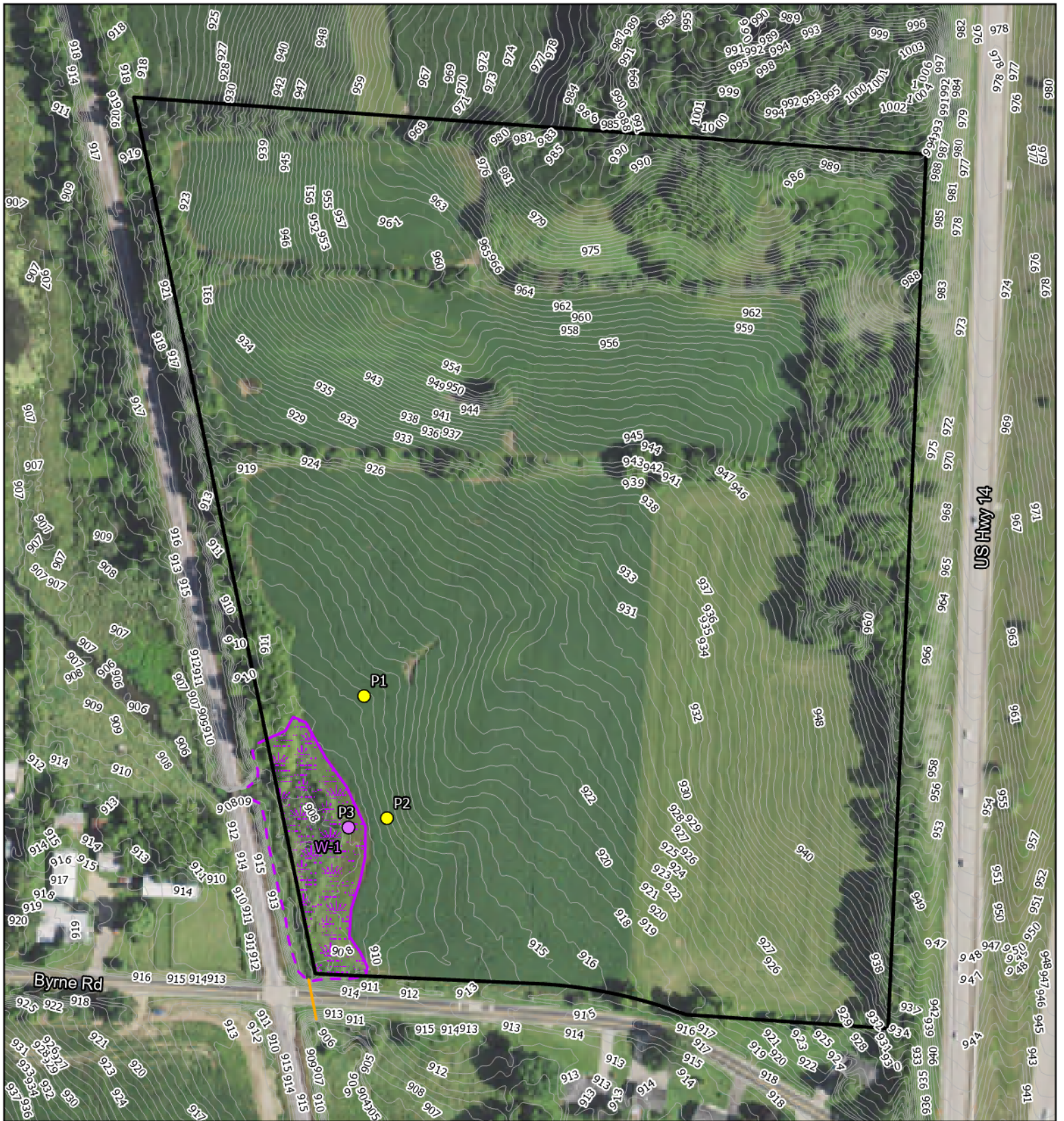
B1 U0 G0





Dimensions



Features

- Maintains 70% of initial lumens at 100,000-hours
- Weatherproof high temperature silicone gaskets
- Superior heat sinking with die cast aluminum housing and external fins
- 100 up to 277 Volts
- 5-Year, No-Compromise Warranty



-  Study Area (31.44 ac)
-  Dane Co 1' Contours
-  Field Delineated Wetlands (0.80 ac)
-  Offsite Wetland Boundaries

Sample Points

-  Upland
-  Wetland

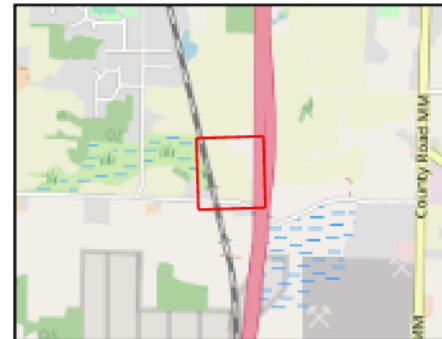


Figure 6. Field Delineated Wetlands

Schleicher Property
 Project #20210631
 T6N, R9E, S23
 C Fitchburg, Dane Co

2020 NAIP
 Dane Co, HEG



828 John Nolen Drive
Madison, WI 53713
800.272.2443
www.m3ins.com

September 29, 2021

City of Fitchburg
Planning and Zoning Department

To whom it may concern:

Jeff Schleicher along with David and Erin Schleicher have contacted us regarding their proposed wedding venue in the City of Fitchburg. We will be happy to work with their real estate holding and operating entities to meet their various insurance needs at the time construction and operations begin.

Sincerely,

A handwritten signature in black ink that reads 'Kelly Staerzl'.

Kelly Staerzl
Account Manager
kelly.staerzl@m3ins.com
(608) 288-2868

SOIL EVALUATION REPORT

In accordance with SPS 385, Wis. Adm. Code
Attach complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and location and distance to nearest road.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04(1)(m)).

County Dane	
Parcel I.D. 0609-234-9820-2	
Reviewed by	Date

Property Owner Murphys Creek LLC				Property Location Govt. Lot SE 1/4 SE 1/4 S 23 T 6 N R 9 E (or) W			
Property Owner's Mailing Address 3491 LeFlore Court				Lot # 2	Block #	Subd. Name or CSM# CSM 15004	
City Verona,	State WI	Zip Code 53593	Phone Number ()	<input checked="" type="radio"/> City Fitchburg	<input type="radio"/> Village	<input type="radio"/> Town	Nearest Road Byrne Road
<input checked="" type="radio"/> New Construction Use: <input type="radio"/> Residential / Number of bedrooms <input type="radio"/> Replacement <input checked="" type="radio"/> Public or commercial - Describe: Wedding Banquet Facility				Code derived design flow rate 1122 GPD			
Parent material Loess Over Glacial Till				Flood Plan elevation if applicable _____ ft.			
General comments and recommendations: Suitable For Shallow In-Ground Absorption System							

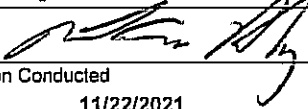
1 Boring # Boring Pit
Ground surface elev. 83.5 ft. Depth to limiting factor 64 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/F ²	
									*Eff#1	*Eff#2
A	0-10	10YR3/2	None	sil	2msbk	mvfr	cs	1vf-f	0.6	0.8
B1	10-28	10YR4/4	None	sicl	2msbk	mfr	gs	1vf	0.4	0.6
B2	28-64	10YR4/3	None	sicl	1msbk	mfi	gs		0.2	0.3
B3	64-66	10YR4/3	c2f10YR5/6,6/2	sicl	1csbk	mfi			0.2	0.3

2 Boring # Boring Pit
Ground surface elev. 83.5 ft. Depth to limiting factor 54 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/F ²	
									*Eff#1	*Eff#2
A	0-12	10YR3/2	None	sil	2msbk	mvfr	cs	1vf-f	0.6	0.8
B1	12-30	10YR4/4	None	sicl	2msbk	mfr	gs	1vf	0.4	0.6
B2	30-54	10YR4/3	None	sicl	1msbk	mfi	gs		0.2	0.3
B3	54-67	10YR4/3	c2f10YR5/6,6/2	sicl	1csbk	mfi			0.2	0.3

* Effluent #1 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L * Effluent #2 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

CST Name (Please Print) Paul A. Hardy	Signature 	CST Number 225394
Address 7226 Timberwood Drive, Madison, WI 53719	Date Evaluation Conducted 11/22/2021	Telephone Number 608-848-4869

3

Boring #

- Boring
- Pit

Ground surface elev. 79.0 ft.

Depth to limiting factor >70 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/Ft ²	
									*Eff#1	*Eff#2
A	0-10	10YR3/2	None	sil	2msbk	mvfr	cs	1vf-f	0.6	0.8
B1	10-33	10YR4/4	None	sicl	2msbk	mfr	gs	1vf	0.4	0.6
B2	33-44	10YR4/4	None	sicl	1msbk	mfi	gs		0.2	0.3
IIB3	44-59	10YR5/6	None	scl	1csbk	mfr	cs		0.2	0.3
IIC	59-70	10YR5/4	None	sl	1msbk	mfr			0.4	0.7

4

Boring #

- Boring
- Pit

Ground surface elev. 80.0 ft.

Depth to limiting factor >60 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/Ft ²	
									*Eff#1	*Eff#2
A	0-16	10YR3/2	None	sil	2msbk	mvfr	cs	1vf-f	0.6	0.8
B1	16-26	10YR4/4	None	sicl	2msbk	mfr	gs	1vf	0.4	0.6
B2	26-60	10YR4/4	None	sicl	1msbk	mfi			0.2	0.3

Boring #

- Boring
- Pit

Ground surface elev. _____ ft.

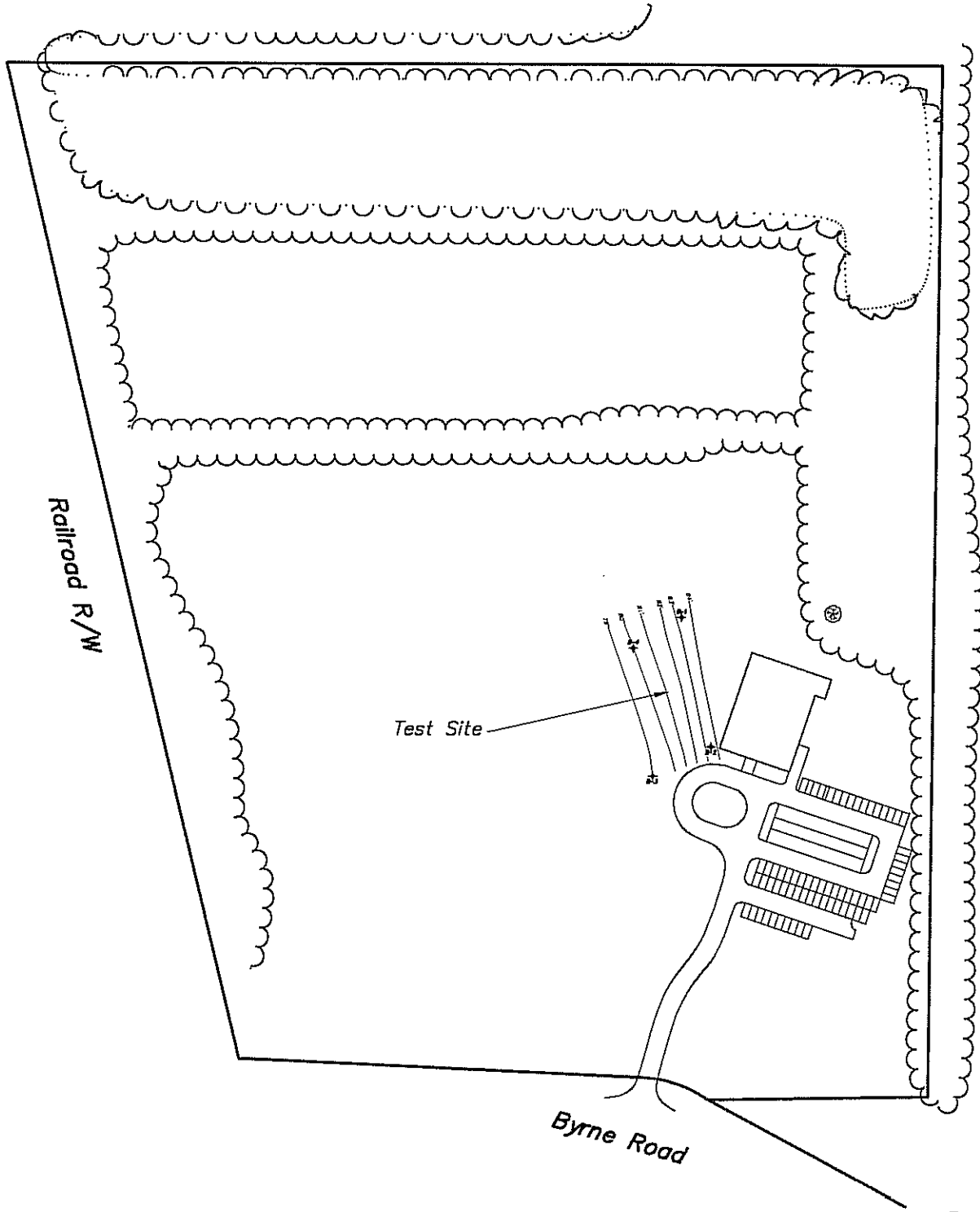
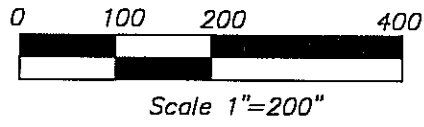
Depth to limiting factor _____ in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Az. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/Ft ²	
									*Eff#1	*Eff#2

* Effluent #1 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

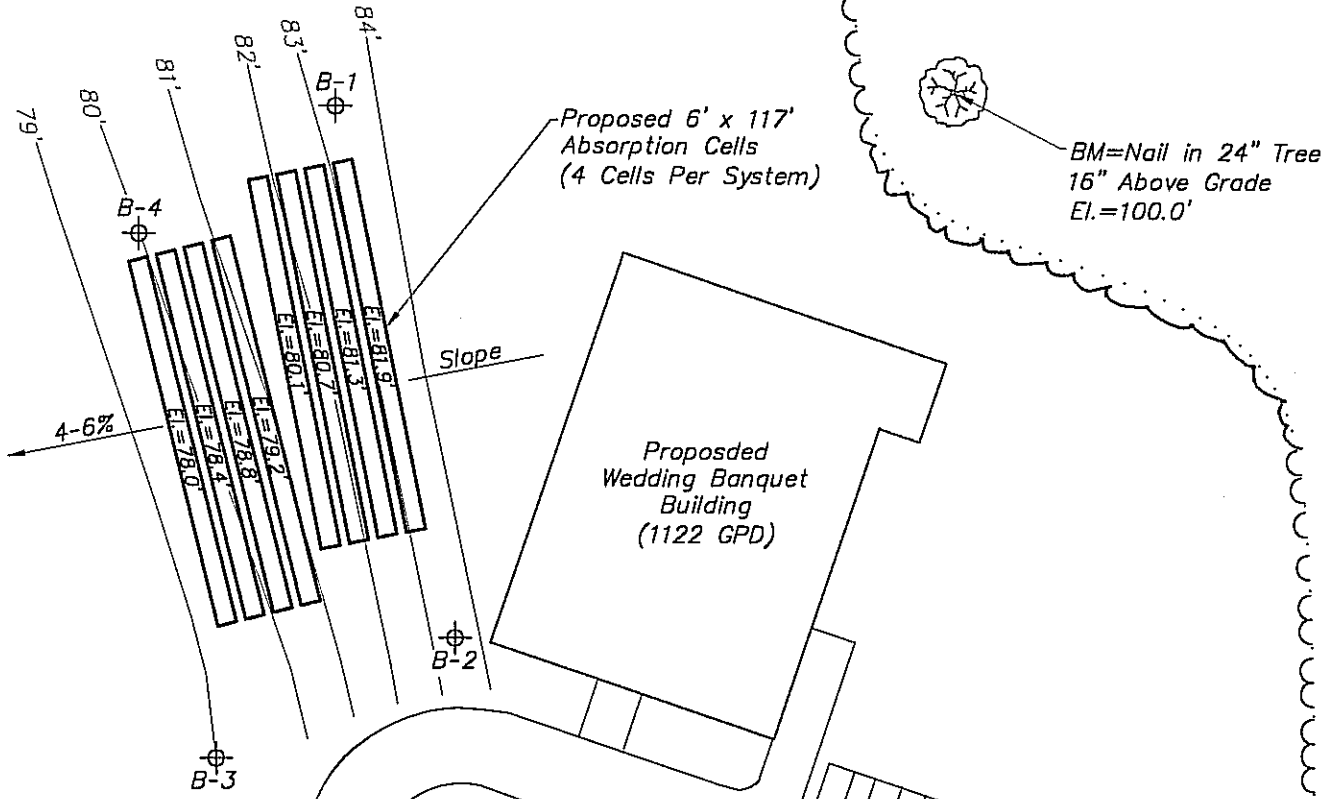
* Effluent #2 = BOD, > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

Location Map
Murphys Creek LLC Site
Lot 2 Certified Survey Map 15004



Murphys Creek LLC Site
 Lot 2 Certified Survey Map 15004
 SE1/4, SE1/4, Section 23, T6N, R9E
 City of Fitchburg, Dane County, Wisconsin

Note: Absorption Cells Are Very Shallow. Do Not Strip Topsoil Off Site.

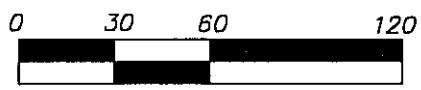


Handwritten:
 CST 225354
 11-23-21

System Sizing Data:

300 Person Assembly Hall x 1.3 gal. = 390 gpd
 16 Employees x 13 gal. = 208 gpd
 6 Floor Drains x 25 gal. = 150 gpd

Total Estimated Wastewater Flow = 748 gpd
 x 1.5 Peak Flow Factor = 1122 gpd Design Flow



Scale 1"=60"

Byrne Road