ATTOLLES LAW, S.C.

July 18, 2023

VIA HAND DELIVERY

John Krampf
Village of Bayside Architectural Review Committee Chairman
9075 N. Regent Road
Bayside, WI 53217

Re: Request for Review of Village of Bayside Architectural Review Committee Decision of June 19, 2023/Fox Point-Bayside School District

Dear Mr. Krampf:

Please accept this letter as the Fox Point-Bayside School District's request for review, pursuant to Wis. Stat. §§ 68.08-68.09, of the June 19, 2023 decision of the Village's Architectural Review Committee ("ARC") relating to the District's Bayside Middle School project (the "Project").

At the ARC's June 19 meeting, the ARC approved various elements of the Project, as set forth in a motion by Trustee Barth that passed 4-1 (the "Motion"). *See* Exhibit A (draft Minutes of the June 19, 2023 ARC meeting). The Motion included certain elements for the Project that were not included in the District's plans and requests for the Project. Those items are highlighted in Exhibit B. However, as explained in Part II below, by purporting to impose additional elements on the Project that were inconsistent with the District's plans for the Project, ARC (1) acted outside its jurisdiction, (2) violated the law, (3) acted in an arbitrary, oppressive, and unreasonable fashion that represented its will and not its judgment, and (4) ARC failed to reasonably make the appropriate determination based upon the evidence presented. The District requests modification of ARC's determination, as memorialized in the Motion, to the extent that the Motion departed from the plans and requests submitted by the District to ARC. The Project should proceed based on the District's plans and requests as submitted to ARC. *See* Exhibit C (District Submittals to ARC).

Contemporaneous with the filing of this request for review, the District is also filing an appeal of the ARC's decision to the Board of Zoning Appeals, pursuant to Wis. Stat. §§ 61.35 and 62.23(7)(e)4., and Village of Bayside Ordinance sec. 125-7. To be clear, the District believes that the appeal to the BZA is the proper course for seeking review and modification of ARC's determination. Due to ambiguity in the Village's Ordinances, however, the District is also filing

222 E. Erie Street, Suite 210, Milwaukee, WI 53202
(414) 279-0962 | aphillips@attolles.com

this request for review in the alternative.[1] The District requests that this request for review be stayed pending a determination by BZA as to its authority to review the ARC's decision. The District also intends to initiate legal proceedings against the Village in the near future relating to these matters, in order to ensure the District's rights are preserved.

I. Relevant Background

As you likely know, District voters approved a referendum for redevelopment of Bayside Middle School. The District has been working closely with the Village throughout the design process as a stakeholder and partner. During a March 13, 2023 meeting of the ARC, ARC passed a motion that approved the building, design, and location of the proposed building, and provided 60 days for the District and Village to come to an agreement on a "traffic/curb cut plan" and a "landscape/fencing plan," at which time the District would appear again before the ARC. *See* Exhibit D (March 13, 2023 ARC Minutes). The primary issue emanating from the March 13, 2023 ARC meeting related to the proposed bus lane off King Road and mitigating the impacts associated with the proposed bus lane.

Thereafter, the Village and District personnel continued to work together regarding the Project and the District subsequently submitted a new package to ARC that the District believed resolved all or nearly all outstanding items. *See* Exhibit C (Submission to ARC). Unfortunately, this appears not to have been the case, as during the June 19, 2023 ARC meeting, Village representatives made additional recommendations regarding the Project to which the District had not agreed. Subsequently, ARC passed the Motion approving a list of Project elements that departed from the District's submissions to ARC in several important respects:

1. The Motion included as an element "Offsite landscape plan on the west side of King Road."

2. The Motion included as an element "Offsite traffic management plan, installing Ellsworth Lane drop off/pick up lane from King Road to Bayside Middle School entrance, with striping delineating pick up lane, by July 15, 2024."

3. The Motion included as an element that "Gates shall be locked at all other times" with respect to the bus entrance outside the hours of Monday-Friday 8-8:30 am and 3-3:45 pm.

[1] The procedures in Chapter 68 allow for the review of "the grant or denial in whole or in part after application of an initial permit, license, right, privilege, or authority, except an alcohol beverage license." Wis. Stat. § 68.02(2). As indicated above, the Village believes that the ARC's action are subject to the review procedures in Wis. Stat. §§ 61.35 and 62.23(7)(e) and can be reviewed by BZA. In light of ambiguity in the Village's Ordinances, however, the District is also filing a request for review under Chapter 68 in the event that it is determined that ARC's actions are not subject to review under Wis. Stat. §§ 61.35 and 62.23(7)(e).

4. The Motion included as an element the "[i]nstallation of secured gate at bus entrance and delivery entrance/bus exit with automated, remote gate, subject to Village staff approval."

5. The Motion included as an element that "Gates shall be locked at all other times" outside of 9am-2pm with respect to a delivery entrance.

6. The Motion included as an element specific public right-of-way alterations and improvements.

It is these additional elements, which were neither included in the District's submissions to the ARC nor agreed to at the meeting, from which the District appeals. These elements are referred to as the Contested Elements below.

II. Bases for Appeal

Pursuant to Wis. Stat. § 68.08:

> Any person aggrieved may have a written or oral determination reviewed by written request mailed or delivered to the municipal authority which made such determination within 30 days of notice to such person of such determination. The request for review shall state the ground or grounds upon which the person aggrieved contends that the decision should be modified or reversed. A request for review shall be made to the officer, employee, agent, agency, committee, board, commission or body who made the determination but failure to make such request to the proper party shall not preclude the person aggrieved from review unless such failure has caused prejudice to the municipal authority.

The District thus requests, pursuant to § 68.08, that the Village modify and/or remove the Contested Elements from ARC's Motion such that the Project can proceed without the need by the District to comply with the Contested Elements. The District requests modification of ARC's Motion such that it approves the elements of the Project as submitted by the District, and removes and/or modifies the Contested Elements, as set forth below.

A. Contested Element No. 1: "Offsite landscape plan on the west side of King Road."

The District appeals from the ARC's inclusion as a Project element an "[o]ffsite landscape plan on the west side of King Road." The District never submitted an offsite landscape plan for the west side of King Road, which is not District property. The District has worked with the adjoining property owners, and will continue to do so, to mitigate any impacts of the bus lane. However, the Village ARC does not have authority to require the District to install landscaping on another's private property. As such, the District respectfully requests that this condition be eliminated as a condition of approval.

B. Contested Element No. 2: "Offsite traffic management plan, installing Ellsworth Lane drop off/pick up lane from King Road to Bayside Middle School entrance, with striping delineating pick up lane, by July 15, 2024."

Next, the District appeals from the ARC's inclusion as a Project element the installation of an Ellsworth Lane turn lane by July 15, 2024. As an initial matter, the District submits that ARC has no legal authority to require such an element. Village Ordinances do not grant ARC with authority over traffic management such that ARC can require a third party to engage in road construction for the Village. Although the District has been engaged in discussions with Village officials regarding traffic management and the potential implementation of traffic control measures, it is the District's position that nothing in Village Ordinance requires the District to implement such measures or allows ARC to impose such conditions on the District. As stated at the ARC meeting by the District's representative, the District has been cooperating with the Village and so it added the turn lane on the plan but conditioned that inclusion with a study to occur after the other traffic improvements were made to determine if the data demonstrated a need for the turn lane. The District agreed to reserve funds for the study and the construction. However, in the comments after the Motion was made, Trustee Barth made it clear that he wanted the turn lane added now. The Village Manager incorrectly told the ARC that it is at "the discretion of the ARC as to when or if the use lane were to go in, you know, so it is up to the body at this point." That is not a legally accurate statement, yet the ARC followed the Village Manager's recommendation that the turn lane "goes in as part of the project." ARC violated the law and acted outside its jurisdiction when it added this element to the Project.

Further, ARC's adoption of this Project element was arbitrary, capricious, irrational, and unsupported by the evidence. The lane at issue has been a subject of conversation between the District and Village officials for some time. A traffic analysis prepared by TADI & Associates, a well-respected traffic engineering firm, was presented to the ARC (and previously to the Village Manager and staff) demonstrating that the turn lane was not needed given that the proposed design already improved traffic by ten times from the current conditions, as stated by Mr. Schultz at the ARC meeting. When the turn lane was discussed with the Village Manager prior to the ARC meeting, the District proposed waiting six months after construction to complete additional analysis to determine whether the turn lane was needed at that point given the significant improvements in traffic that would result from the current design. If the additional study supported a need for the turn lane, the District agreed to install the turn lane at that time, and the District agreed to set aside the funds for the additional study and the cost of the turn lane construction at this time so the Village would be assured it would be constructed if needed. All of this information was reiterated at the ARC meeting. However, despite this scientific data from TADI & Associates, the ARC viewed photos taken of traffic observed during one drop-off at the school, and relied on a few observation days by Village staff. No actual data or scientific analysis was presented to the ARC to substantiate the Village Manager's and Trustee Barth's desire for a turn lane. No discussion was allowed when a representative from the District asked if the six-month study was acceptable, even after another member of the ARC asked if the six-month study was acceptable. Trustee Barth stated that the Motion requires the turn lane is required now for Project approval, or he would not approve any of the Project. Furthermore, there was no justification given for the July 15, 2024 deadline.

The District therefore requests modification of ARC's Motion to remove this element. The District remains willing to work with Village officials to complete additional analyses regarding the need for this turn lane in the future, as proposed by the District, but the requirement that the District construct the lane by July 15, 2024 must be removed.

C. Contested Element Nos. 3-5: Installation of secured gates and locking requirements.

The District also appeals from the ARC's adoption as project elements the "[i]nstallation of secured gate at bus entrance and delivery entrance/bus exit with automated, remote gate, subject to Village staff approval" and the requirements that the District keep the bus gate locked outside the hours of Monday-Friday 8-8:30 am and 3-3:45 pm, and that the District mechanize and keep the delivery entrance gate locked outside of 9am-2pm. The ARC's imposition of these elements violates the law and exceeds ARC's authority and jurisdiction because no Village Ordinance contains requirements relating to the automation or locking mechanisms on security gates, or would allow ARC to dictate the hours when such gates must be locked. These are operational aspects, not aesthetic or architectural aspects, of the Project. When asked for clarification at the ARC meeting because the District had not proposed those items, Trustee Barth stated that he understood the locks were not proposed in the District's plan, "but the gates were proposed" and so by implication, ARC could require the automation and locks because the gates were proposed. Simply put, there is again no legal basis for the ARC to impose these requirements other than Trustee Barth wants them.

D. Contested Element No. 6: Public Right-of-Way Alterations and Improvements.

Finally, while not specifically set forth in ARC's Motion, the District also seeks review of the ARC's requirement that Standish Place be designated as a one-way street and the public right-of-way intersection alterations for buses, which are listed at the last highlighted item on Exhibit B. The District has no jurisdiction or authority over Standish Place or the public right-of-way intersection alterations. The District understands that these points may need to be reflected in a Maintenance Agreement or Development Agreement, but it is not within the ARC's purview to require these items as conditions for the District's architectural approval. As such, any condition that makes the District responsible for Standish Place's directional requirements, or other activity in Village right-of-way, is not appropriate.

III. Conclusion

The District believes it has been a good partner and has continually worked in good faith with Village officials regarding the Project. Unfortunately, it appears as though the ARC is operating under the mistaken belief that it can dictate the District's traffic control measures, security mechanisms, and other operational aspects of running a middle school. As a result, the ARC has imposed elements on this project that were not proposed or agreed to by the District, and exceed ARC's jurisdiction and, simply put, are irrational. The District therefore asks for modification of ARC's actions such that the Project can proceed as it was proposed by the District to ARC prior to the June 19, 2023 ARC meeting.

Finally, the District requests that the Village provide for an independent review of ARC's determinations by another person, committee, or agency that is not the ARC.[2] The District also requests that this review be stayed pending a determination as to District's appeal to BZA from the ARC's determinations.[3]

Please contact me if you have any questions.

Sincerely,

Andrew T. Phillips

cc: Andrew Pederson (via electronic mail)
Max Dickman (via electronic mail)
Jeff Dellutri (via electronic mail)
Kathleen Wiesner (via electronic mail)
Jordan Schulz (via electronic mail)
Christopher Jaekels (via electronic mail)
Rebecca Roeker (via electronic mail)
Matthew Thome (via electronic mail)

[2] Wis. Stat. § 68.09(2) provides: "A review under this section may be made by the officer, employee, agent, agency, committee, board, commission or body who made the initial determination. However, an independent review of such initial determination by another person, committee or agency of the municipality may be provided by the municipality."

[3] Wis. Stat. § 68.09(3) provides: "The municipal authority shall review the initial determination within 15 days of receipt of a request for review. The time for review may be extended by agreement with the person aggrieved."

Exhibit A

Village of Bayside
9075 N Regent Road
Architectural Review Committee Meeting
July 17, 2023
Village Board Room 6:00pm

ARCHITECTURAL REVIEW COMMITTEE AGENDA

PLEASE TAKE NOTICE that a meeting of the Bayside Architectural Review Committee will be held at the Village Hall of the Village of Bayside, 9075 N. Regent Road, Bayside, Wisconsin in addition to virtually. Public can access this meeting of the Architectural Review Committee by phone or by computer. The phone number is: **+646 931 3860**. The Zoom Meeting code is: **846 7114 2754** and the Passcode is: **963419.** https://tinyurl.com/48c2kyye Persons desiring to speak in the remote format on a specific agenda item should register twenty-four hours in advance by calling (414) 206-3915. The following items of business will be discussed and possibly acted upon:

I. **CALL TO ORDER AND ROLL CALL**

II. **APPROVAL OF MINUTES**

A. Approval of June 19, 2023 meeting minutes.

III. **BUSINESS**

A. **1219 E Hermitage Rd – Yoko Koami** The project requires unenclosed storage extensions granted for the duration of the project, 7/2023- 5/2024.

B. **828 E Ellsworth Ln – Andrew Frank** The proposed project is the construction of 350 lineal feet of 4-foot cedar picket curve top open design fence.

C. **214 E Brown Deer Rd – Igor Sorin** The proposed project is the construction of 320 lineal feet of 6-foot pressure treated open design fence. 23 lineal feet of 6-foot pressure treated close design fence.

D. **8560 N Greenvale Rd – Jody Wire** The proposed project is the construction of 206 lineal feet of 5-foot aluminum open design fence and a 14-foot by 33-foot inground pool.

E. **9227 N Tennyson Dr – Scott & Elizabeth Behrendt** The proposed project is the construction of a screen porch addition, second floor deck railing replacement, and front porch colonnade replacement.

F. **9040 N Lake Dr – Geri & Marvin Olson** The proposed project is the construction of 80 lineal feet of 4-foot cedar picket open design fence.

IV. **ADJOURNMENT**

Emma Baumgartner
Operations Assistant

Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. Contact Village Hall at 414-206-3915. It is possible that members of and possibly a quorum of members of other Boards, Commissions, or Committees of the Village may be in attendance in the above stated meeting to gather information; no action will be taken by any other Boards, Commissions, or Committees of the Village except by the Board, Commission, or Committee noticed above. Agendas and minutes are available on the Village website (www.baysidewi.gov).

Village of Bayside
9075 N Regent Road
Architectural Review Committee Meeting
June 19, 2023
Village Board Room,6:00pm

ARCHITECTURAL REVIEW COMMITTEE

I. CALL TO ORDER AND ROLL CALL

Chairperson Krampf called the meeting to order at 6:00 pm.

II. ROLL CALL

Chair:	John Krampf
Members:	Dan Zitzer
	Marisa Roberts
	Tony Aiello
	Ben Minkin
Trustee Liaison:	Mike Barth
Alternates:	Kavin Tedamrongwanish - excused
Also Present:	Village Manager Andy Pederson
	Assistant to the Village Manager Leah Hofer
	Operations Superintendent Shane Albers
	Operations Assistant Emma Baumgartner
	Police Chief Tom Liebenthal
	Village Attorney Chris Jaekels
	Village Engineer Mustafa Emir

There were 35 people in attendance.

III. APPROVAL OF MINUTES

A. Approval of June 5, 2023, meeting minutes.

Motion by Committee Member Roberts, seconded by Committee Member Aiello, to approve the June 5, 2023 meeting minutes. Motion carried unanimously.

IV. BUSINESS

A. 9240 N Tennyson Dr – Mark & Ann Berkoff

Manager Pederson gave an update on the project that an additional two feet was needed for the project due to architectural adjustments withr the garage.

Motion by Trustee Barth, seconded by Committee Member Aiello, to approve the project as described and presented in the application. Motion carried unanimously.

B. 9126 N Meadowlark Ln – Tom Roozen

Tom Roozen, homeowner, appeared on behalf of the project. There were 2 neighbors in attendance. Mr. Roozen described the project as the construction of 259 lineal feet of 6-foot high lattice fence.

Jamie Carlson, 1208 E Manor Cir, shared her support for the fence.

Michael Gielow, 9140 N Meadowlark Ln, shared his support for the fence.

Attorney Jaekels stated the lattice fence design does comply with the Village code.

Motion by Trustee Barth, seconded by Committee Member Roberts, to approve the project as described and presented in the application. Motion carried unanimously.

C. 1061 W Jonathan Ln – Kenneth Convington

Kenneth Convington, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Convington described the project as the construction of a 10-foot by 10-foot dark brown aluminum gazebo with a dark brown steel roof.

Motion by Trustee Barth, seconded by Committee Member Zitzer, to approve the project as described and presented in the application. Motion carried unanimously.

D. 407 E Ravine Baye Rd – Lowell Davis

Lowell Davis, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Davis described the project as the addition of a 24-inch by 36-inch egress window.

Motion by Trustee Barth, seconded by Committee Member Roberts, to approve the project as described and presented in the application. Motion carried unanimously.

E. 8871 N Mohawk Rd – Tim Moll & Stephanie Heller

Tim Moll, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Moll described the project as the addition of a 48-inch by 48-inch egress window.

Motion by Trustee Barth, seconded by Committee Member Zitzer, to approve the project as described and presented in the application. Motion carried unanimously.

F. 8995 N Rexleigh Dr – Barry & Penny Goldman

Barry Goldman, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Goldman described the project as the elimination of an existing window on the backside of the home and enlarging an existing window by 7-inches on the backside of the home.

Motion by Trustee Barth, seconded by Committee Member Aiello, to approve the project as described and presented in the application. Motion carried unanimously.

G. 214 E Brown Deer Rd – Igor Sorin

Igor Sorin, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Sorin described the project as the construction of a 11.5 foot by 17.7 foot grey aluminum pergola.

Motion by Trustee Barth, seconded by Committee Member Aiello, to approve the project as described and presented in the application. Motion carried unanimously.

H. 9355 N Regent Rd – Paul Gondeck

Paul Gondeck, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Gondeck described the project as the construction of 70 lineal feet of 4-foot cedar post with black decorative metal wire fence, and 24 lineal feet of cedar privacy fence broken into three sections of 6-foot by 8-feet long.

Motion by Trustee Barth, seconded by Committee Member Aiello, to approve the project as described and presented in the application. Motion carried unanimously.

I. 1219 E Hermitage Rd – Yoko Koami

Yoko Koami, homeowner, and David Shevalt, contractor, appeared on behalf of the project. There was one neighbor in attendance. Ms. Koami described the project as the construction of a new 2,062 square foot single family two story home with an attached garage. Mr. Shevalt stated the new home's exterior will aesthetically fit with the existing homes in the neighborhood.

Maria and Paul Goudy, 1231 E Hermitage Rd, asked what type of roof it will be. Mr. Shevalt responded with pro dimensional shingles in the color driftwood.

Motion by Trustee Barth, seconded by Committee Member Zitzer, to approve the project as described and presented in the application. Motion carried unanimously.

J. 600 E Ellsworth Ln – Fox Point- Bayside School District

Jordan Schulz, project manager, appeared on behalf of the project. There were 15 neighbors in attendance. Mr. Schulz began with an overview on what had already been discussed and approved, and what is being presented tonight including the site plan approval and construction items. Mr. Schulz presented the stormwater management plan inclusive of green infrastructure and the impervious surface dimensions. Mr. Schulz presented the lighting plan and the light fixtures that will be used on school property. Mr. Schulz presented the fencing overview. There will be three fences, a 4- foot 450 total lineal picket fence, a 6-foot 395 total lineal solid cedar fence, and a 4-foot 944 total lineal feet black vinyl fence. Mr. Schulz presented the landscape plans including the updated fencing overview. Mr. Schulz presented the updated traffic plan. Mr. Schulz explained the onsite pick up lane, an additional turn lane on Ellsworth Lane, and a separated bus traffic lane on the opposite side of the property. Mr. Schulz presented additional traffic related features including street signage and gates. Mr. Schulz presented the construction items that will be on the property including dumpsters, material storage containers, job trailers, and temporary toilets.

Mr. Pederson presented the Village of Bayside presentation. Mr. Pederson provided an overview of the on-site and off site proposals. Mr. Pederson overviewed the landscape and aesthetics proposals, signage proposals, and safety site needs proposals.

Motion by Trustee Barth, seconded by Committee Member Roberts, to approve the project elements:

- Install 944 lineal feet of 4 foot black vinyl chain-link fence on the west and north sides of the property, installed at the property line, subject to Board of Zoning Appeals consideration; 450 lineal feet of 4 foot black aluminum Majestic fence on the west side of the property, installed at the property line; 186 lineal feet (west of Maitland pathway) and 209 lineal feet (east of Maitland

pathway) of 6 foot high cedar privacy fence on the south side of the property, 1 foot from the property line; subject to Board of Zoning Appeals consideration

- Onsite landscape plan as depicted,
- Offsite landscape plan on the west side of King Road
- Exterior lighting plan
- Dumpsters, storage containers, job trailers, and port-o-potty's for the duration of the project, subject to Board of Zoning Appeals consideration
- Temporary project signage during the duration of the project, subject to Board of Zoning Appeals consideration
- MMSD green infrastructure modifications in the Public Right-of-Way along King Road
- On-site traffic management plan,
- Offsite traffic management plan, installing Ellsworth Lane drop off/pick up lane from King Road to Bayside Middle School entrance, with striping delineating pick up lane, by July 15, 2024.
- Public right-of-way signage plan
    - Install right turn only sign 7:30-8:30am and 2-4pm at Ellsworth Lane exit.
    - Install no stopping, standing, parking signs on Standish Place west of Pelham Parkway, North Maitland Road, King Road northbound and southbound
    - Install one-way street sign/no entrance signage on Standish Place west of Pelham Parkway and Standish Place
    - Install exit sign at Middle School parking lot Standish exit indicating exiting straight to Ellsworth Lane or right on to Standish Place
    - Install sign on King Road northbound at bus entrance "bus traffic only - buses permitted Monday through Friday 8 – 8:30 am and 3 – 3:45pm. Gates shall be locked at all other times.
    - Installation of secured gate at bus entrance and delivery entrance/bus exit with automated, remote gate, subject to Village staff approval.
    - Install sign southbound King Road at delivery entrance "delivery vehicle entrance only 9am-2pm". Gates shall be locked at all other times.
    - Install sign at bus lane exit "exit only, no left turn"
    - Install sign "bus traffic: no right turn, left turn only" at intersection of king road and Ellsworth lane
    - Install signs at entrance of Ellsworth Park parking lot "no thru traffic. Ellsworth Park parking only"
- Public right-of-way intersection alterations for buses at southwest corner of King Road and Ellsworth Lane, northeast corner of Brown Deer Road and Rexleigh Drive, northeast corner of Ellsworth Lane and Regent Road, King Road and Rexleigh Drive, 30-40 feet of 1 foot shoulder widening at northwest corner of Ellsworth Lane and King Road, subject to future agreement with School District.

Motion passed 4-1, with Committee Member Aiello opposing.

V. ADJOURNMENT

Motion by Trustee Barth, seconded by Committee Member Aiello, to adjourn the meeting at 7:37pm. Motion carried unanimously.

Emma Baumgartner
Operations Assistant

Exhibit B

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9075 N Regent Road
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	Tony Aiello
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Trustee Liaison:	Mike Barth
Alternates:	Kavin Tedamrongwanish - excused
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	Assistant to the Village Manager Leah Hofer
	Operations Superintendent Shane Albers
	Operations Assistant Emma Baumgartner
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	Village Attorney Chris Jaekels
	Village Engineer Mustafa Emir

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III. APPROVAL OF MINUTES

A. Approval of June 5, 2023, meeting minutes.

Motion by Committee Member Roberts, seconded by Committee Member Aiello, to approve the June 5, 2023 meeting minutes. Motion carried unanimously.

IV. BUSINESS

A. 9240 N Tennyson Dr – Mark & Ann Berkoff

Manager Pederson gave an update on the project that an additional two feet was needed for the project due to architectural adjustments withr the garage.

Motion by Trustee Barth, seconded by Committee Member Aiello, to approve the project as described and presented in the application. Motion carried unanimously.

B. 9126 N Meadowlark Ln – Tom Roozen

Tom Roozen, homeowner, appeared on behalf of the project. There were 2 neighbors in attendance. Mr. Roozen described the project as the construction of 259 lineal feet of 6-foot high lattice fence.

Jamie Carlson, 1208 E Manor Cir, shared her support for the fence.

Michael Gielow, 9140 N Meadowlark Ln, shared his support for the fence.

Attorney Jaekels stated the lattice fence design does comply with the Village code.

Motion by Trustee Barth, seconded by Committee Member Roberts, to approve the project as described and presented in the application. Motion carried unanimously.

C. 1061 W Jonathan Ln – Kenneth Convington

Kenneth Convington, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Convington described the project as the construction of a 10-foot by 10-foot dark brown aluminum gazebo with a dark brown steel roof.

Motion by Trustee Barth, seconded by Committee Member Zitzer, to approve the project as described and presented in the application. Motion carried unanimously.

D. 407 E Ravine Baye Rd – Lowell Davis

Lowell Davis, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Davis described the project as the addition of a 24-inch by 36-inch egress window.

Motion by Trustee Barth, seconded by Committee Member Roberts, to approve the project as described and presented in the application. Motion carried unanimously.

E. 8871 N Mohawk Rd – Tim Moll & Stephanie Heller

Tim Moll, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Moll described the project as the addition of a 48-inch by 48-inch egress window.

Motion by Trustee Barth, seconded by Committee Member Zitzer, to approve the project as described and presented in the application. Motion carried unanimously.

F. 8995 N Rexleigh Dr – Barry & Penny Goldman

Barry Goldman, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Goldman described the project as the elimination of an existing window on the backside of the home and enlarging an existing window by 7-inches on the backside of the home.

Motion by Trustee Barth, seconded by Committee Member Aiello, to approve the project as described and presented in the application. Motion carried unanimously.

G. 214 E Brown Deer Rd – Igor Sorin

Igor Sorin, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Sorin described the project as the construction of a 11.5 foot by 17.7 foot grey aluminum pergola.

Motion by Trustee Barth, seconded by Committee Member Aiello, to approve the project as described and presented in the application. Motion carried unanimously.

H. 9355 N Regent Rd – Paul Gondeck

Paul Gondeck, homeowner, appeared on behalf of the project. There were no neighbors in attendance. Mr. Gondeck described the project as the construction of 70 lineal feet of 4-foot cedar post with black decorative metal wire fence, and 24 lineal feet of cedar privacy fence broken into three sections of 6-foot by 8-feet long.

Motion by Trustee Barth, seconded by Committee Member Aiello, to approve the project as described and presented in the application. Motion carried unanimously.

I. 1219 E Hermitage Rd – Yoko Koami

Yoko Koami, homeowner, and David Shevalt, contractor, appeared on behalf of the project. There was one neighbor in attendance. Ms. Koami described the project as the construction of a new 2,062 square foot single family two story home with an attached garage. Mr. Shevalt stated the new home's exterior will aesthetically fit with the existing homes in the neighborhood.

Maria and Paul Goudy, 1231 E Hermitage Rd, asked what type of roof it will be. Mr. Shevalt responded with pro dimensional shingles in the color driftwood.

Motion by Trustee Barth, seconded by Committee Member Zitzer, to approve the project as described and presented in the application. Motion carried unanimously.

J. 600 E Ellsworth Ln – Fox Point- Bayside School District

Jordan Schulz, project manager, appeared on behalf of the project. There were 15 neighbors in attendance. Mr. Schulz began with an overview on what had already been discussed and approved, and what is being presented tonight including the site plan approval and construction items. Mr. Schulz presented the stormwater management plan inclusive of green infrastructure and the impervious surface dimensions. Mr. Schulz presented the lighting plan and the light fixtures that will be used on school property. Mr. Schulz presented the fencing overview. There will be three fences, a 4- foot 450 total lineal picket fence, a 6-foot 395 total lineal solid cedar fence, and a 4-foot 944 total lineal feet black vinyl fence. Mr. Schulz presented the landscape plans including the updated fencing overview. Mr. Schulz presented the updated traffic plan. Mr. Schulz explained the onsite pick up lane, an additional turn lane on Ellsworth Lane, and a separated bus traffic lane on the opposite side of the property. Mr. Schulz presented additional traffic related features including street signage and gates. Mr. Schulz presented the construction items that will be on the property including dumpsters, material storage containers, job trailers, and temporary toilets.

Mr. Pederson presented the Village of Bayside presentation. Mr. Pederson provided an overview of the on-site and off site proposals. Mr. Pederson overviewed the landscape and aesthetics proposals, signage proposals, and safety site needs proposals.

Motion by Trustee Barth, seconded by Committee Member Roberts, to approve the project elements:

- Install 944 lineal feet of 4 foot black vinyl chain-link fence on the west and north sides of the property, installed at the property line, subject to Board of Zoning Appeals consideration; 450 lineal feet of 4 foot black aluminum Majestic fence on the west side of the property, installed at the property line; 186 lineal feet (west of Maitland pathway) and 209 lineal feet (east of Maitland

pathway) of 6 foot high cedar privacy fence on the south side of the property, 1 foot from the property line; subject to Board of Zoning Appeals consideration

- Onsite landscape plan as depicted,
- Offsite landscape plan on the west side of King Road
- Exterior lighting plan
- Dumpsters, storage containers, job trailers, and port-o-potty's for the duration of the project, subject to Board of Zoning Appeals consideration
- Temporary project signage during the duration of the project, subject to Board of Zoning Appeals consideration
- MMSD green infrastructure modifications in the Public Right-of-Way along King Road
- On-site traffic management plan,
- Offsite traffic management plan, installing Ellsworth Lane drop off/pick up lane from King Road to Bayside Middle School entrance, with striping delineating pick up lane, by July 15, 2024.
- Public right-of-way signage plan
    - Install right turn only sign 7:30-8:30am and 2-4pm at Ellsworth Lane exit.
    - Install no stopping, standing, parking signs on Standish Place west of Pelham Parkway, North Maitland Road, King Road northbound and southbound
    - Install one-way street sign/no entrance signage on Standish Place west of Pelham Parkway and Standish Place
    - Install exit sign at Middle School parking lot Standish exit indicating exiting straight to Ellsworth Lane or right on to Standish Place
    - Install sign on King Road northbound at bus entrance "bus traffic only - buses permitted Monday through Friday 8 – 8:30 am and 3 – 3:45pm. Gates shall be locked at all other times.
    - Installation of secured gate at bus entrance and delivery entrance/bus exit with automated, remote gate, subject to Village staff approval.
    - Install sign southbound King Road at delivery entrance "delivery vehicle entrance only 9am-2pm". Gates shall be locked at all other times.
    - Install sign at bus lane exit "exit only, no left turn"
    - Install sign "bus traffic: no right turn, left turn only" at intersection of king road and Ellsworth lane
    - Install signs at entrance of Ellsworth Park parking lot "no thru traffic. Ellsworth Park parking only"
- Public right-of-way intersection alterations for buses at southwest corner of King Road and Ellsworth Lane, northeast corner of Brown Deer Road and Rexleigh Drive, northeast corner of Ellsworth Lane and Regent Road, King Road and Rexleigh Drive, 30-40 feet of 1 foot shoulder widening at northwest corner of Ellsworth Lane and King Road, subject to future agreement with School District.

Motion passed 4-1, with Committee Member Aiello opposing.

V. ADJOURNMENT

Motion by Trustee Barth, seconded by Committee Member Aiello, to adjourn the meeting at 7:37pm. Motion carried unanimously.

Emma Baumgartner
Operations Assistant

Exhibit C

FOX POINT BAYSIDE SCHOOL DISTRICT

Fox Point- Bayside School District
7300 North Lombardy Road
Fox Point, WI 53217
Phone: (414) 247-4167

May 22, 2023

Dear Bayside Architectural Review Committee:

We are pleased to submit updated drawings and documents in support of the new Middle School project. This new and exciting building will be an outstanding asset to the students, staff and community for decades to come.

Since our last presentation to the ARC on March 13th, our team has been actively collaborating with village representatives to resolve outstanding items. We feel that this package being submitted for approval addresses previous open items

In summary, the modifications since our last presentation are as follows:

1. Privacy fencing along the south property line
2. Site access fencing along King and Ellsworth
3. Traffic signage around the site and extending into the surrounding neighborhood
4. Safety fencing along the bus drop off lane
5. Landscape screening along the bus lane
6. Added lane off of Ellsworth to accommodate more vehicular traffic
7. Added turn lane off Ellsworth to accommodate more vehicular traffic

We want to reiterate that the design professionals involved in this planning and design process are industry experts and by combining that experience and expertise with the feedback of the greater community, we have collectively arrived at a project we are confident will provide the best combination of attributes. Of note, the safety and security of our community's students is of high importance and we're glad to have arrived at a design that sets us up for success in this regard.

Alleviating traffic has also been a top priority for the community/district and the design accommodates for both auto and bus traffic; ensuring the safety of students as well as the minimizing of off-site traffic. In coordination with the Village, we've added an extra lane to the site entrance which will allow approximately 80 cars to queue on site. Additionally we've added a turn lane along Ellsworth to accommodate an additional 10 vehicles as we've heard from the Village that 90 total vehicles is the target. In adding the turn lane to the project we'd like to recognize to ARC that we may lose some existing trees in addition to spending the extra funds to install this lane. In this consideration, we request ARC to allow the lane to be installed after the '24/'25 school year, in order for traffic circulation with the new site layout to be observed/tracked before adding this feature. We look forward to discussing this further with you at your 06/05 meeting and hearing your feedback.

As noted, through this process of design and refinement through collaboration with the Village and neighbors, the project has become a safer, better one and we look forward to presenting to you next week.

Sincerely yours,

Jeff Dellutri
Superintendent of Schools
Fox Point-Bayside School District

SAFEbuilt Wisconsin, LLC
W241 S4135 Pine Hollow Court
Waukesha, WI 53188

06/07/2023

Attention:
Village of Bayside, WI
Architecture Review Committee

PROJECT/SITE OWNER:	PROJECT SUMMARY:
Fox Point-Bayside School District PROJECT ADDRESS: 601 Ellsworth Ln	Three types of fences 544 lineal feet 4' black vinyl chain link 450 lineal feet 4' black aluminum Majestic style 186 lineal feet 6' cedar privacy

I have reviewed the proposed new fences for compliance with the Village's ordinances and have determined the following for consideration.

1. The 544 lineal feet of 4' high black vinyl chain link fence complies with the ordinance.
2. The 450 lineal feet of 4' high black aluminum Majestic style complies with the ordinance. The applicant has supplied a flyer with several types of fences on it. They forwarded a sheet that had called out the Majestic style.
3. 186 lineal feet of 6' high cedar privacy fence, is in violation of the ordinance Sec. 104-125 a (9). They will have to request a variance for this fencing, to proceed with installation.
4. The board always considers matching fences with neighboring fences.

VILLAGE CODE REVIEW

Supporting documentation or testimony must be provide at the meeting to verify code compliance with the above observations in red.

Dave Hendrix
SAFEbuilt
Wisconsin Operations Manager

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ASSA ABLOY

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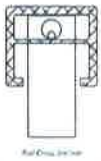
ORNAMENTAL ALUMINUM FENCE

The sleek design and superior quality of Echelon Plus is International Building Code (IBC) compliant.

- Exceeds all IBC 2018 Handrail & Guards load requirements
- Standard 8 ft. panels yield project savings
- Redesigned rail for increased strength and maximum load capacity

FORERUNNER® LOCKING SYSTEM

Amenstar reengineered the Echelon Plus ForeRunner rail to maximize strength. The innovative design of the ForeRunner rail contains an internally-secured rod that allows for variable pitch connection and high-angle biasability and eliminates the need for external fasteners.



Increased security

The ForeRunner rail, with an internal retaining rod, prevents the attachment from being compromised. Fasteners are not exposed.

Aesthetic details

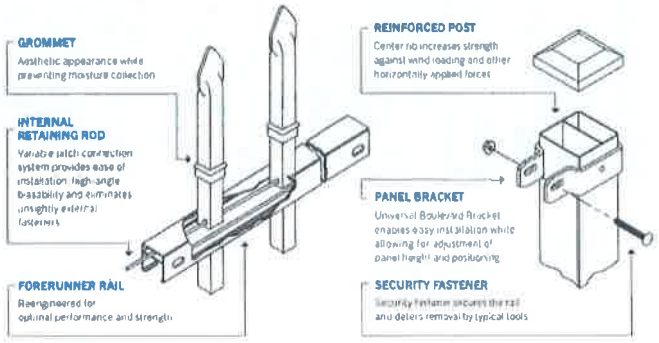
The "Good Neighbor Design" rod follows the ForeRunner centerline, providing a clean and uninterrupted look void of visible screws or rivets.

RAKEABLE VS STAIR-STEP

Having a unique picket to rail connection allows Echelon products a minimum biasability of 10%, eliminating any possible security risks due to large gaps under the fence panels.

FULLY RAKEABLE PANELS

STAIR-STEPPING PANELS



NO RIVETS. NO SCREWS. NO WELDS.

PICKETS	RAILS	POSTS	HEIGHTS
.75" SQ. x .045"	1.4375" x 1.25" x (.110" SIDE / .090" TOP) FORERUNNER® RAILS	2.5" SQ. x .060" *With reinforced internal web*	3', 3½', 4', 4½', 5', 6' *Custom heights also available*

STYLES

CLASSIC™ | MAJESTIC™ | GENESIS™ | CONQUEROR™ | WARRIOR™

Note: Classic, Majestic, Genesis & Warrior 3- & 4-rail panels are IBC compliant.

BOTTOM OPTION

STANDARD BOTTOM RAIL | FLUSH BOTTOM RAIL

PANELS

3-RAIL & 4-RAIL PANELS AVAILABLE

COLORS

BLACK | BRONZE | WHITE

Refer to color sample for actual color

ADORNMENTS

BALL CAP | RING *(internally secured)* | BUTTERFLY SCROLL

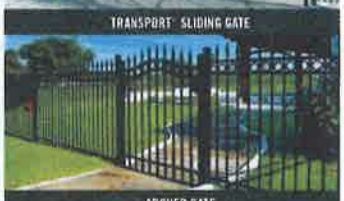
POOL & PET PERFORMANCE

GATE SYSTEMS

From swing gates for pedestrian or vehicle access to sliding gates for high-functioning points of entry, each of these gate systems is individually constructed to provide project-specific performance.

WALK GATE

TRANSPORT SLIDING GATE



ARCHED GATE

ESTATE GATE

PUPPY PANELS

Echelon Plus Puppy Panels reduce the space between pickets to less than 2" up to a height of 2' above ground.

CLASSIC™ MAJESTIC™ GENESIS™

NOTE: 4-in-1 Puppy Panels are IRC compliant

Echelon fence systems are protected to endure the elements and are maintenance free

Echelon fence systems are backed by over 40 years of excellence in the fencing industry

Ameristar is committed to providing products that meet the Buy American Act

MEETS BUY AMERICAN ACT

Why Choose Ameristar?

KNOWLEDGE AND EXPERIENCE

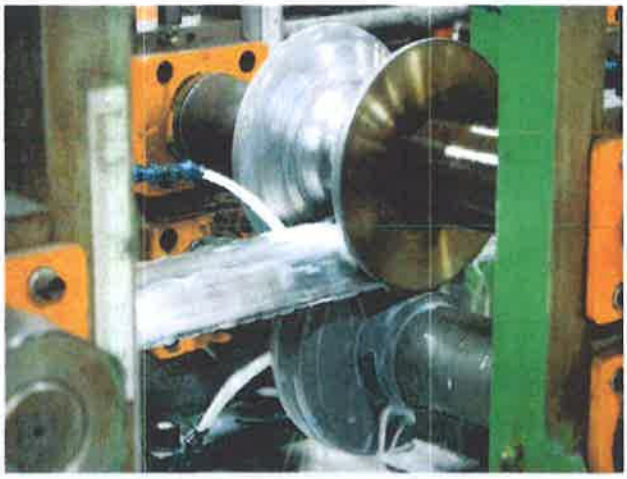
For over 40 years we've delivered aesthetically pleasing, high-quality and innovative fencing products with superior design strength and easy installation.

PROVEN CAPABILITIES

Our integrated in-house processes, extensive raw materials and finished goods inventory translate into quality, on-time delivery.

INDUSTRY LEADERSHIP

We continually raise the bar in manufacturing customer-focused solutions. Our high standards produce premium products that go beyond merely meeting minimum industry standards.



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#9729-2023

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Spectra® Chain Link

Spectra® Color Chain Link... *Made to perform.*

Our Spectra® Fencing System

Premium quality frame and fabric is guaranteed for 15 years.

15 Year Warranty

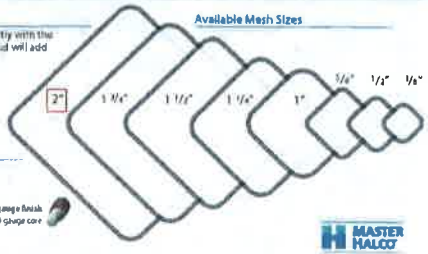
Features and Benefits:

- Zinc-coated steel framework is thoroughly cleaned during the pre-treatment process, then color coated with a 3 mil minimum polyester layer for protection from corrosion.
- All galvanized wire has a 15 mil minimum extruded polyvinyl chloride coating for dual protection from corrosion and the elements.
- Fittings are made of galvanized steel with a 3 mil minimum of polymer layer for protection from corrosion.

Available Colors

Choose from 3 serene colors that blend in perfectly with the environment. Spectra® defines property lines, and will add value to any residential or commercial property.

Available Mesh Sizes



Available Wire Gauges (Finish and Core)

Use the finish gauge number when ordering.

MASTER HALCO

Spectra® Color Chain Link Recommendations

FABRIC

Spectra® polyvinyl chloride extruded over zinc-coated steel core wire.

	Type 2 Residential	Type 2 Commercial
Fabric Gauge	9 gauge and 11 gauge finish	6 gauge, 8 gauge, and 9 gauge finish 6 gauge is not available for 3/8" mesh or 1/2" mesh
Fabric Mesh	1-1/4", 1-1/2", 1-3/4", and 2"	3/8", 1/2", 5/8", 1", 1-1/4", 1-1/2", 1-3/4", and 2"
Fabric Height	3', 42", 4', 5', and 6'	3', 42", 4', 5', 6', 7', 8', 9', 10', and 12'
Fabric Selvage	Knuckle - Knuckle (KK) for 5' and Under. Knuckle - Knuckle (KK) or Knuckle - Twist (KT) for 6'.	Knuckle - Knuckle (KK) for 5' and under; for mesh sizes 1" and smaller. Knuckle - Knuckle (KK) or Knuckle - Twist (KT) for 6' and over.

FRAMEWORK - TYPE 2

Spectra® polyester resin, 3 mils minimum, over galvanized steel ASTM F 1043, Group 1C, with a minimum yield strength of 50,000 PSI. Protective coating per ASTM 1043, external coating Type B, zinc with organic overcoat, 0.9 ounces per square foot minimum zinc coating with chromate conversion coating and verifiable polymer film.

Top Rail	1-3/8" O.D. Spectra® 17 Gauge or 16 Gauge	1-5/8" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe
Line Posts	1-5/8" O.D. Spectra® 17 Gauge or 16 Gauge	1-7/8" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe
		2-3/8" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe
Terminal Posts	1-7/8" O.D. Spectra® 16 Gauge	2-3/8" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe
	2-3/8" O.D. Spectra® 16 Gauge	2-7/8" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe
		4" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe

Gates

Fabric	Same Gauge and Mesh as Chain Link Selected
Frame	Same as Top Rail Selected

Fittings

Tension and Brace Bands	Polymer Coating, 3 Mils Minimum, Over Hot-Dipped Galvanized Pressed Steel
Caps, Eye Tops, Rail Ends	Polymer Coating, 3 Mils Minimum, Over Hot-Dipped Galvanized Pressed Steel or Aluminum
Sleeves	Polymer Coating, 3 Mils Minimum, Over Hot-Dipped Galvanized Steel
Tie Wires	Polymer Coating, 3 Mils Minimum, Over Zinc-Coated Steel Wire

Slats - Privacy

Material Composition	Polyethylene Thermoplastic
Colors	Green, Black, Brown, Gray, Redwood, Blue, Desert Sand

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MASTER HALCO WOOD

WESTERN RED CEDAR

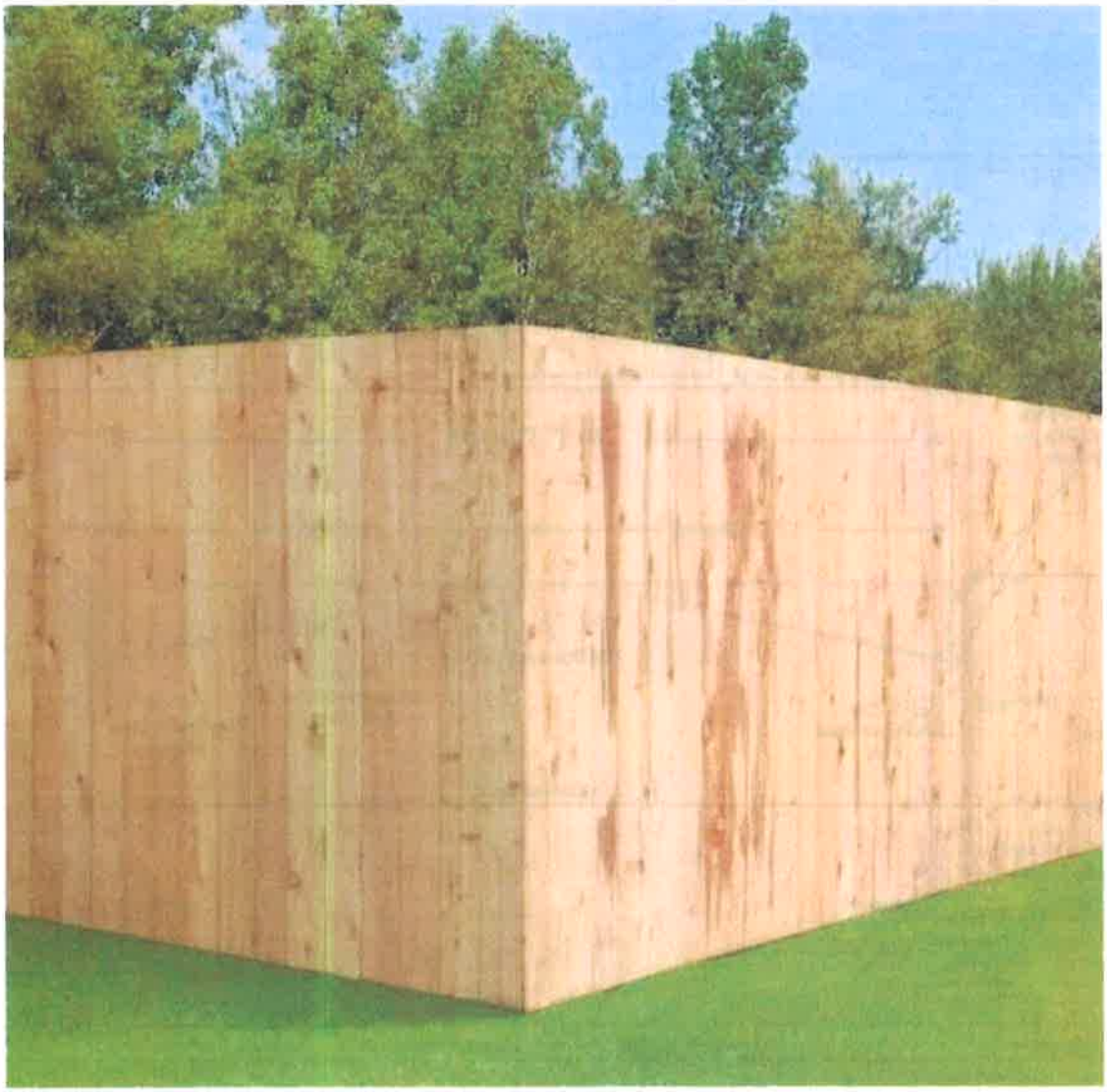
Western Red Cedar's botanical name is Thuja plicata. Fence pickets, rails, and posts are one of the most decay-resistant Native American wood types with high durability when exposed to weather. Western Red Cedar is grown and harvested from sustainably managed North American forests. Western Red Cedar can be left natural, painted, or stained. Pre-Stained Western Red Cedar is available with a water-based stain that can be matched to your outdoor living environment.

Lengths: 4', 5', 6', 8'

Widths:	Nominal:	4"	6"	8"
	Actual:	3 ½"	5 ½"	7 ½"
Thickness:	Nominal:	1"	1"	
	Actual:	5/8"	¾"	

Grading: Fencing is appearance-graded and categorized by knot size/type and defect, which impacts the visual appeal and performance as a fence board. Boards are graded for 2-face appearance or 1-face appearance.

Availability for Western Red Cedar fencing is the United States and Canada. Typical Fences styles include Solid Board Vertical, Solid Board Horizontal, Board-on-Board, and Alternating Panel. Versatile and easy to work with, you can construct and install any fence style for your project. Longevity can be increased by installing the WRC boards and rails on a PostMaster Plus steel post for wood fence systems. Natural wood texture and colors range from rich amber to cinnamon brown and if left natural, it will age to a silvery grey.



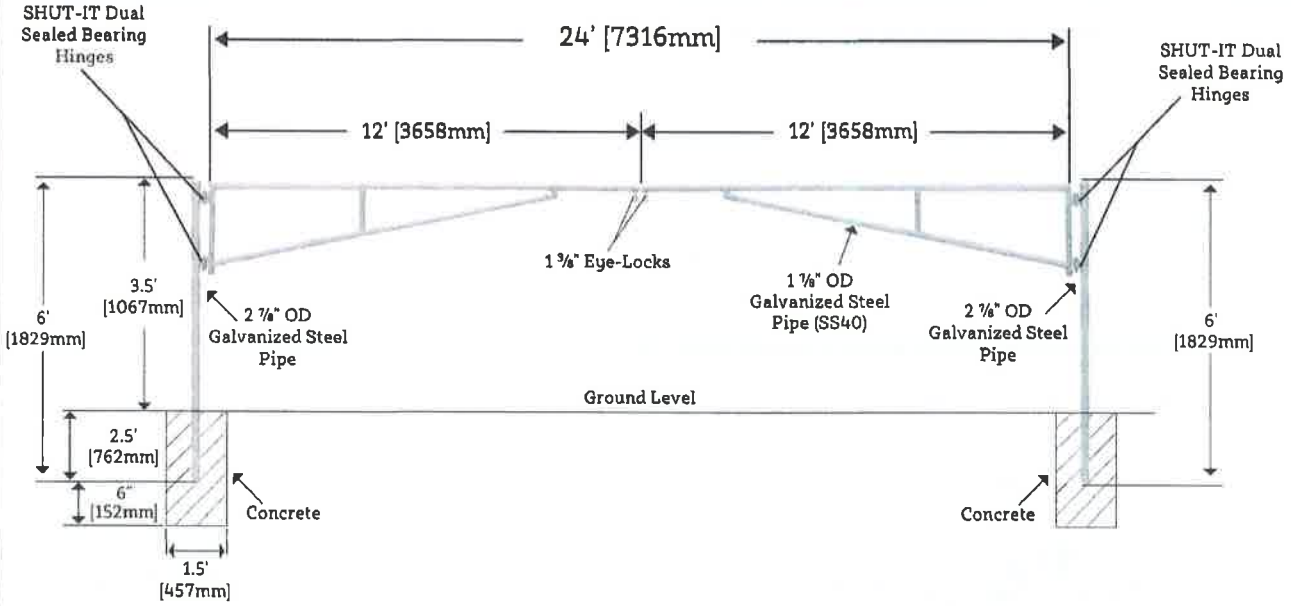
Optional Swing Gate Barrier Receiver Post - 14030R

- Height: 6 ft.
- Galvanized Steel
- Diameter: 3 in. [2 ⅞ in. OD]
- 1 ⅝ in. Eye-Lock Loop

Optional Barrier Arm Gate & Post Safety Tape Kit

- Thickness: 8 Mil.
- MUTCD Compliant
- Red/White & Yellow
- Increases Visibility

Single Gate Models:	Double Gate Models:
14010-10 | 10 ft.	14020-20 | 20 ft.
14010-12 | 12 ft.	14020-24 | 24 ft.
14010-14 | 14 ft.	14020-28 | 28 ft.
14010-15 | 15 ft.	14020-30 | 30 ft.
14010-16 | 16 ft.	14020-32 | 32 ft.
14010-20 | 20 ft.	14020-40 | 40 ft.



Contact Information:	Manufacturer:	Part Number:	Product Description:	Product Specifications:
Web: www.TigerTeethStore.com Phone: (800) 878-7829 Email: Sales@TigerTeethStore.com	Barrier Gate Brands™	14020-24	SENTINEL 24 ft. Manual Double Swing Barrier Gate	• Width: 24 ft. • Material: Galvanized Steel • Installation Type: In-Ground • Barrier Gate Type: Manual Double Swing Gate

BAYSIDE MIDDLE SCHOOL OVERVIEW

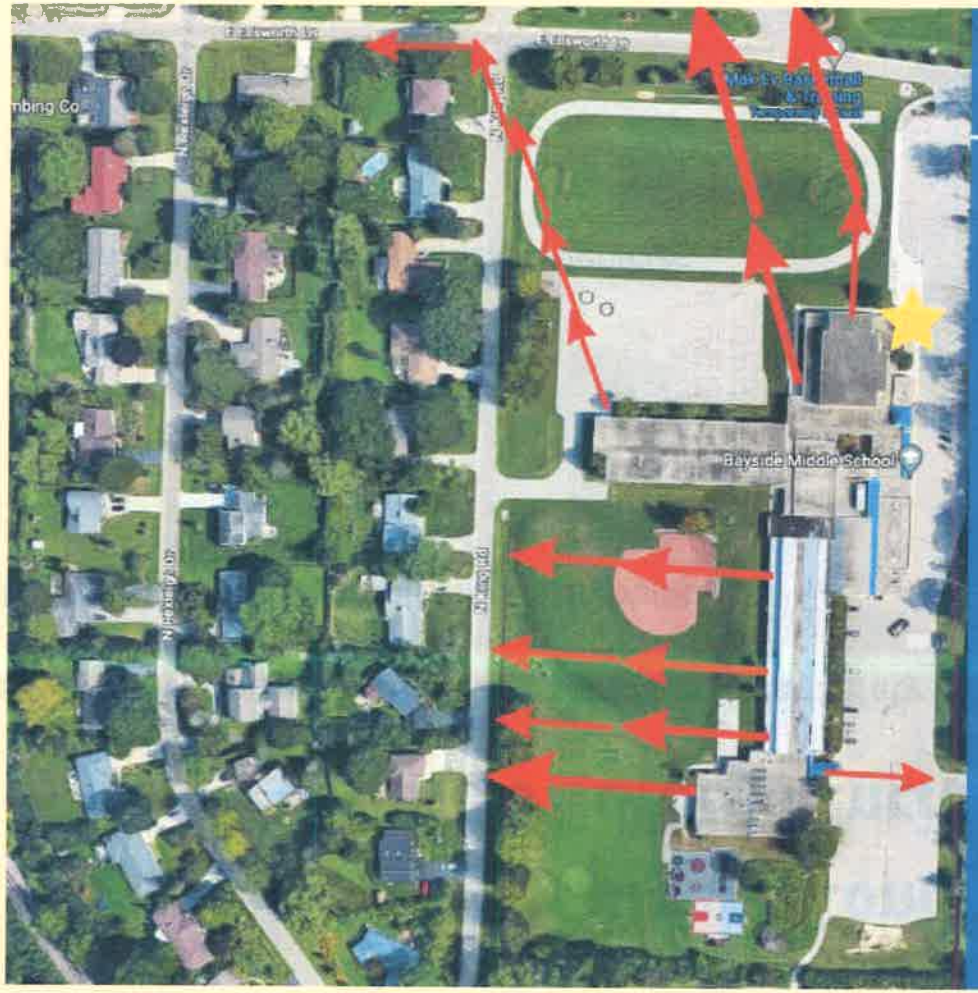
Traffic Management Factors and Concepts Examined Current and Proposed

- Pedestrian Safety
- Vehicle Safety
- Separation of Bus and Parent Pickup
- Neighboring property impacts
- On site traffic flow
- Off site traffic flow and impacts
- Infrastructure and ROW impacts
- Current/future bus count
- Current volume of parent pickup vehicles
  - 6 observation dates,
    - all over 60 vehicles
    - Four over 70 vehicles
    - Two over 80 vehicles
- Impervious surface
- Stormwater management
- Other mitigating/limiting factors

Current Conditions
(Prior to Safety Fencing Installation)

- Significant concern for Pedestrian and Vehicular Safety
- Multiple building exit points/ pickup points
  - Maitland
  - King
  - Ellsworth
  - Standish
  - School Protocol: Parking Lot
- Current volume of parent pickup vehicles
  - 6 pick up observations
    - all over 60 vehicles
    - Four over 70 vehicles
    - Two over 80 vehicles
- Current conditions are extermely unsafe

School Pickup Observation



Observations on
Wednesday, April 19, 2023
Conditions: Rain

- Roughly 80 cars present for pick up
- Cars lined on Ellsworth Lane, King Road, and Ellsworth Park parking lot. Unable to observe Maitland.
- Ellsworth Park parking lot used as a pick-up site.
- Children walking between cars to cross streets.
- Cars driving on the wrong side of the street due to cars parking on the road.
- Cars driving at each other in wrong lanes of traffic.
- Cars driving in the shoulder/ditch.
- Numerous students exiting side doors/not the main exit.
- Cars making U-turns in the middle of streets and obstructing traffic.
- Children walk to cars rather than cars driving to children.

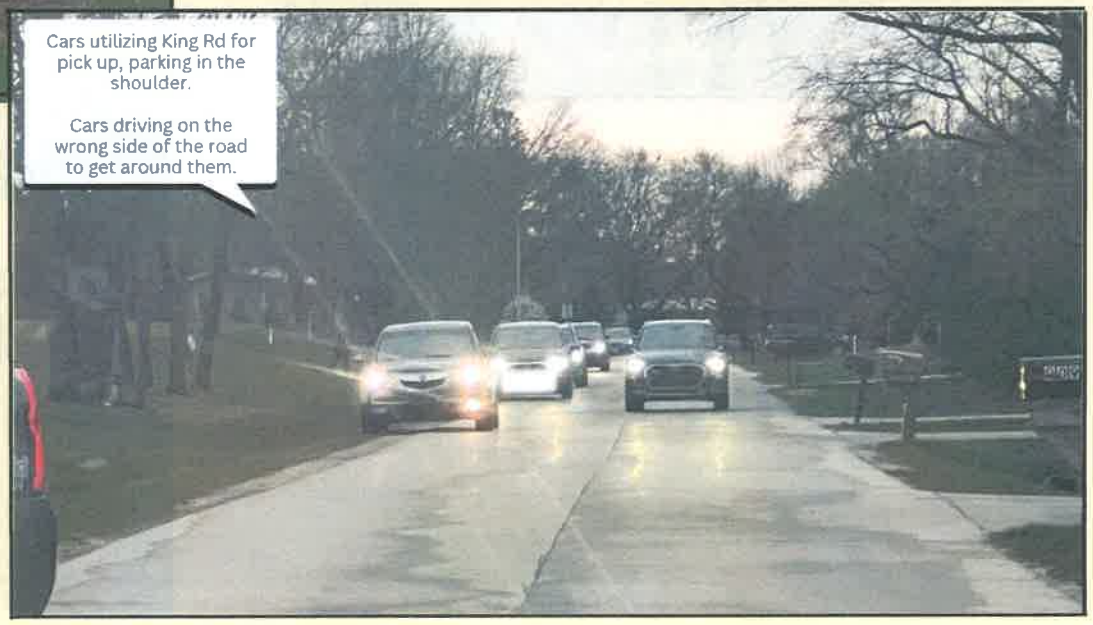
Present conditions of school pickup

Present conditions of school pickup

Cars lined up to Rexleigh Dr.

Cars utilizing Ellsworth Park as a pick up location (kids crossing the the street between cars).

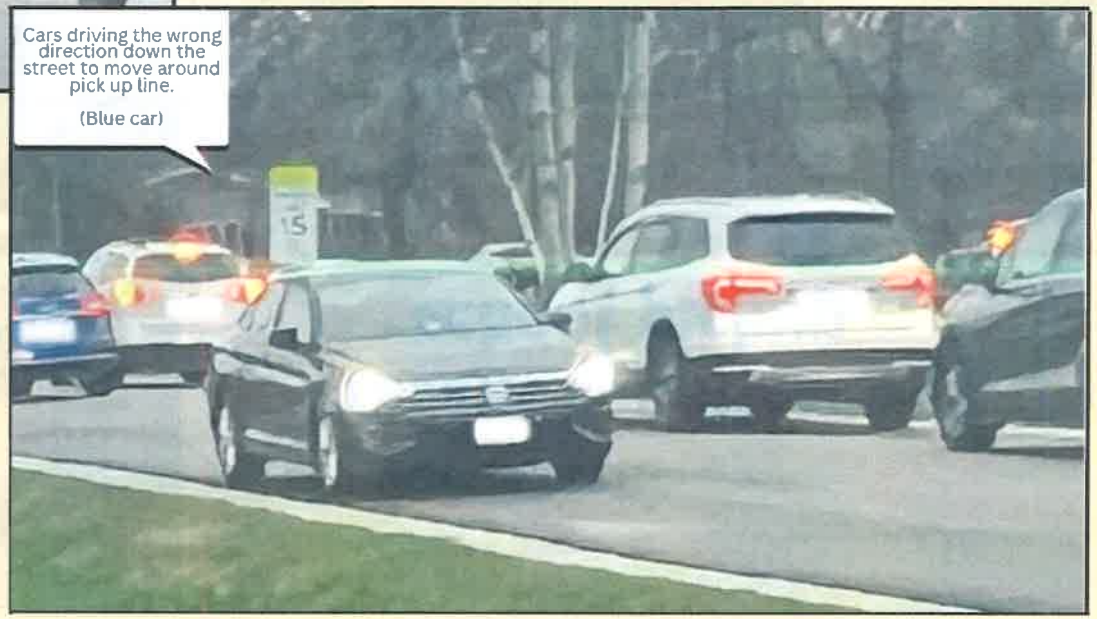
Present conditions of school pickup



Present conditions of school pickup

Present conditions of school pickup

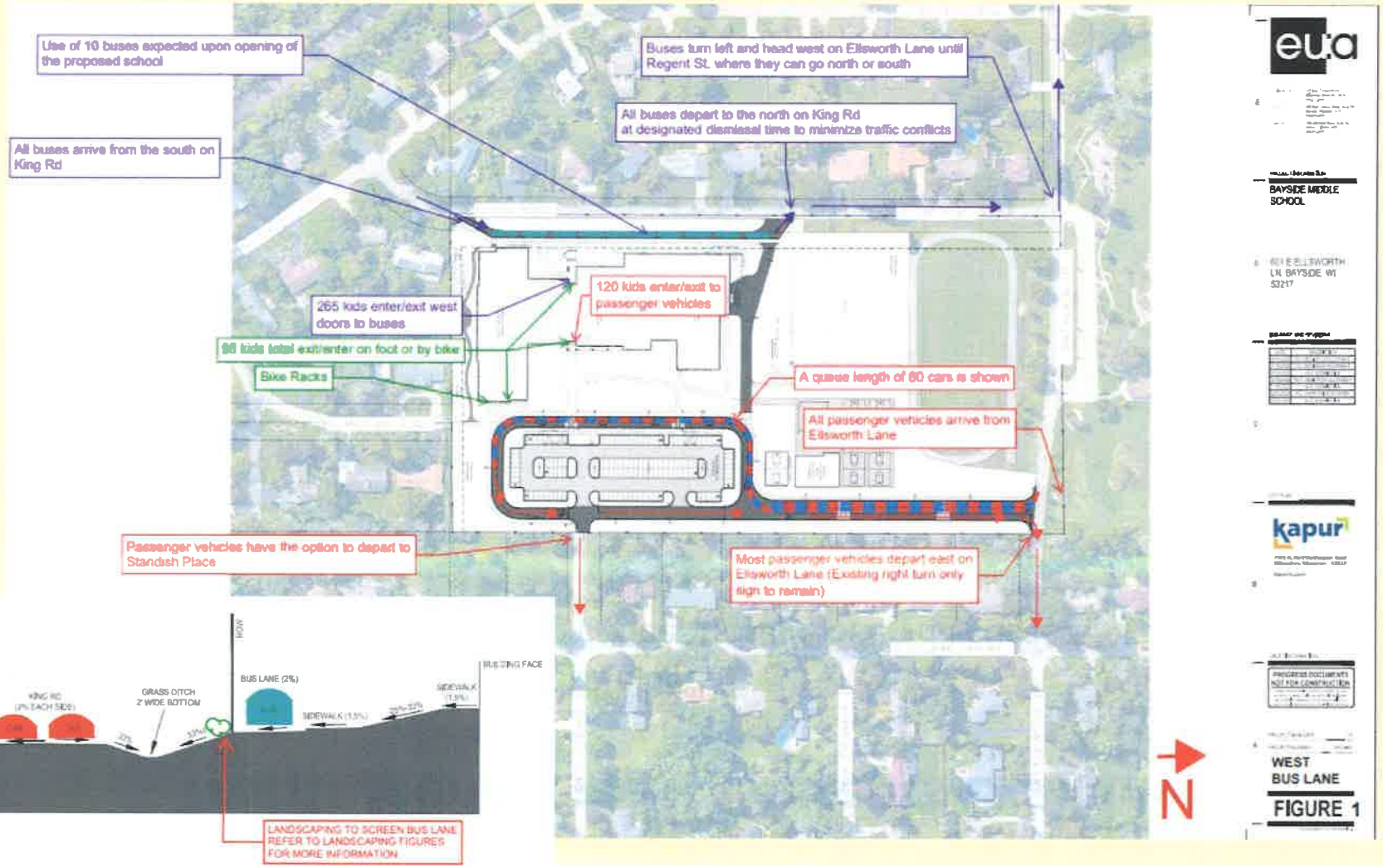
Present conditions of school pickup



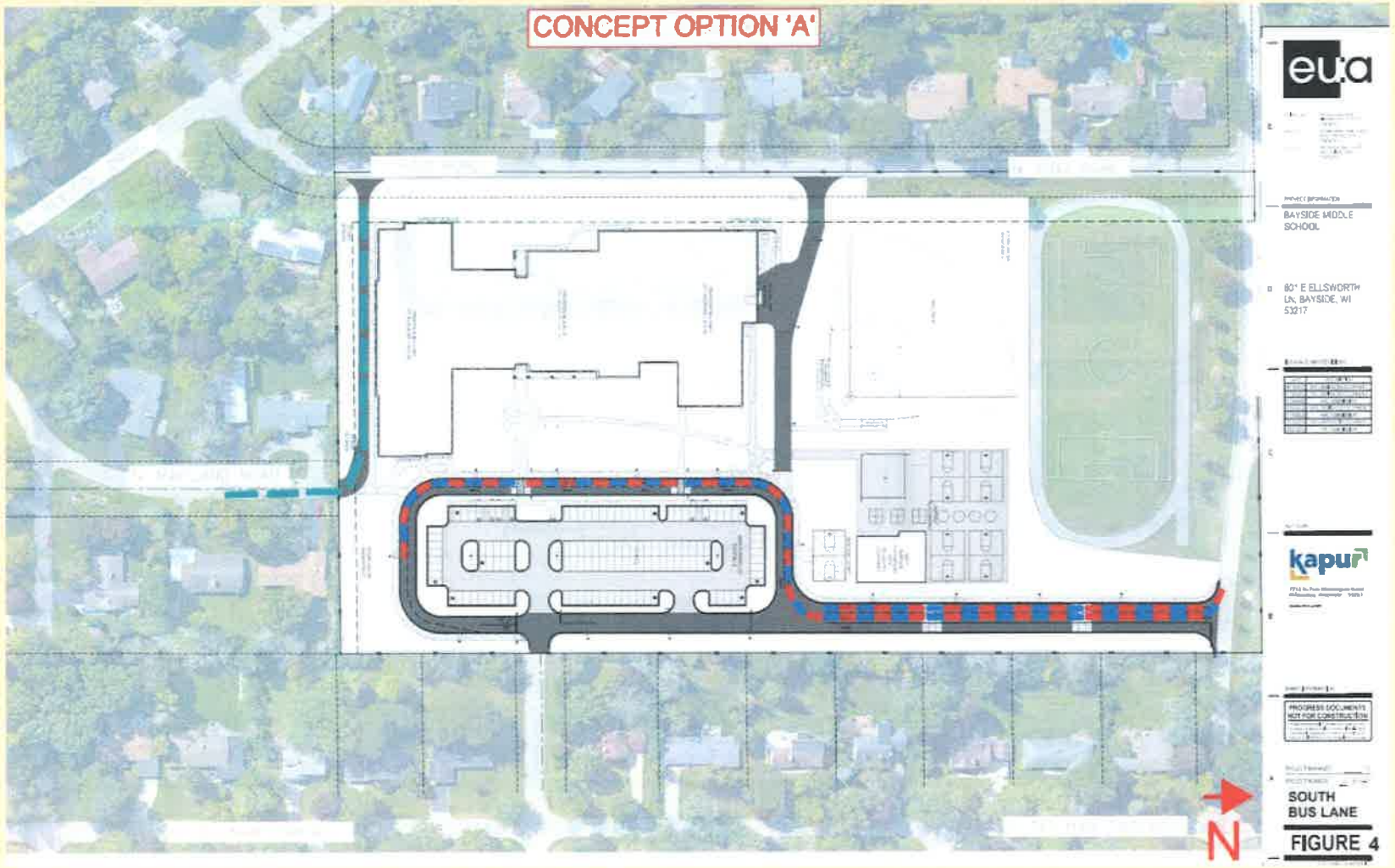
Traffic Management Concepts Examined

- Eight drawn concepts have been examined
- Countless undrawn/brainstorming concepts have been discussed.

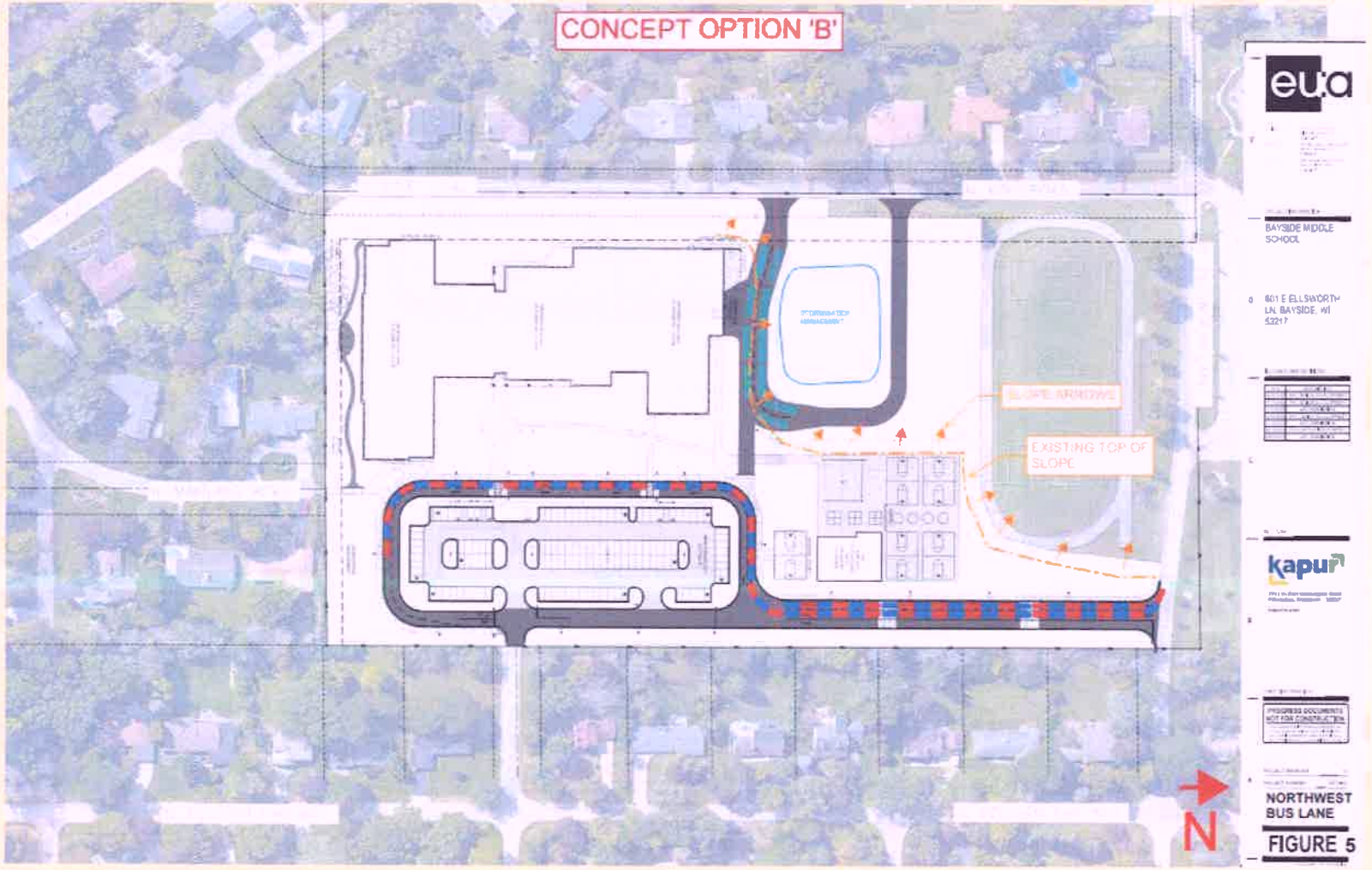
School District Recommended Concept



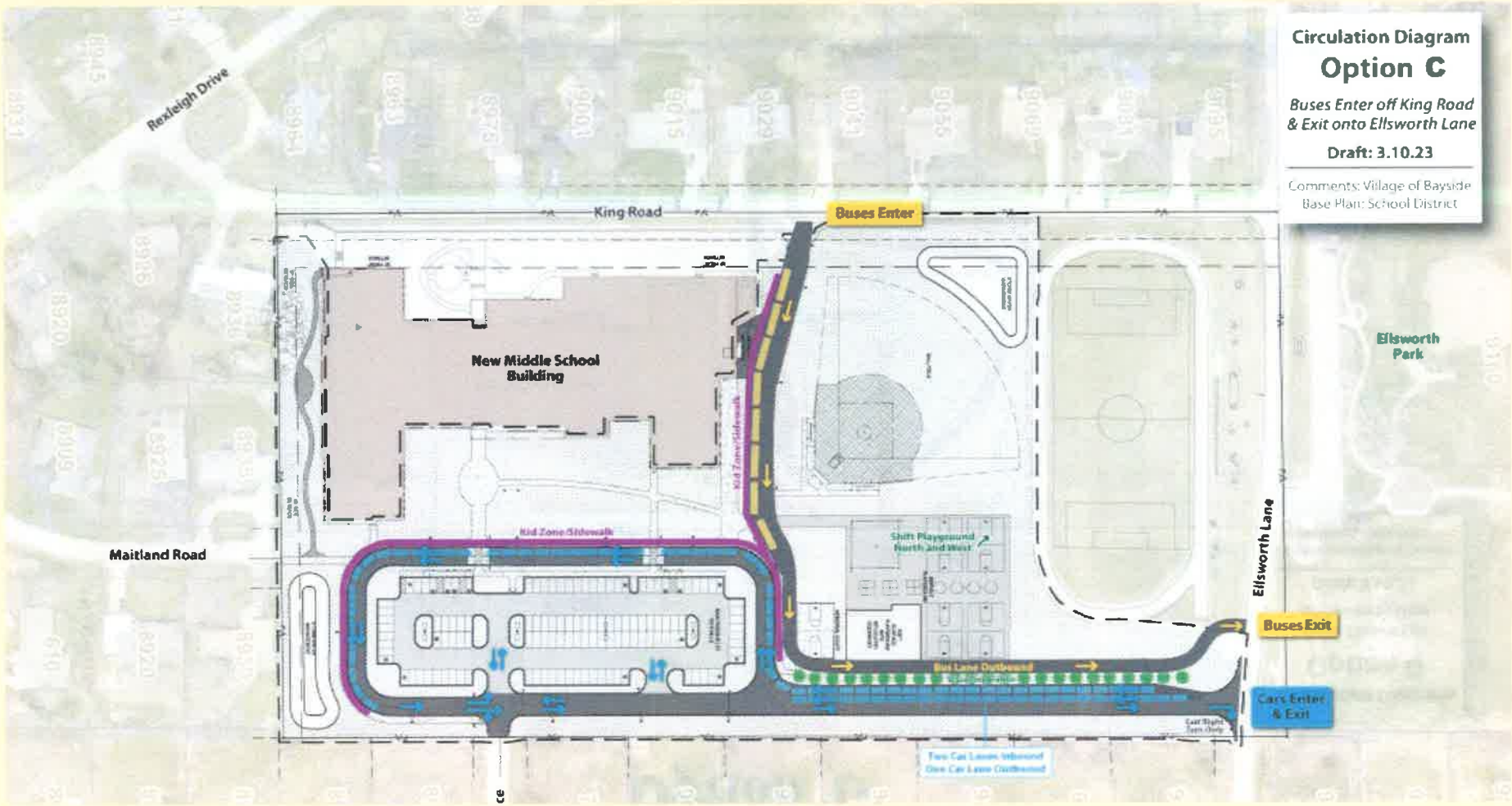
Option 'A'


CONCEPT OPTION 'A'
eua
BAYSIDE MIDDLE SCHOOL
80° E ELLSWORTH LN, BAYSIDE, WI 53217
kapur
PROGRESS DOCUMENTS NOT FOR CONSTRUCTION
SOUTH BUS LANE
FIGURE 4
N

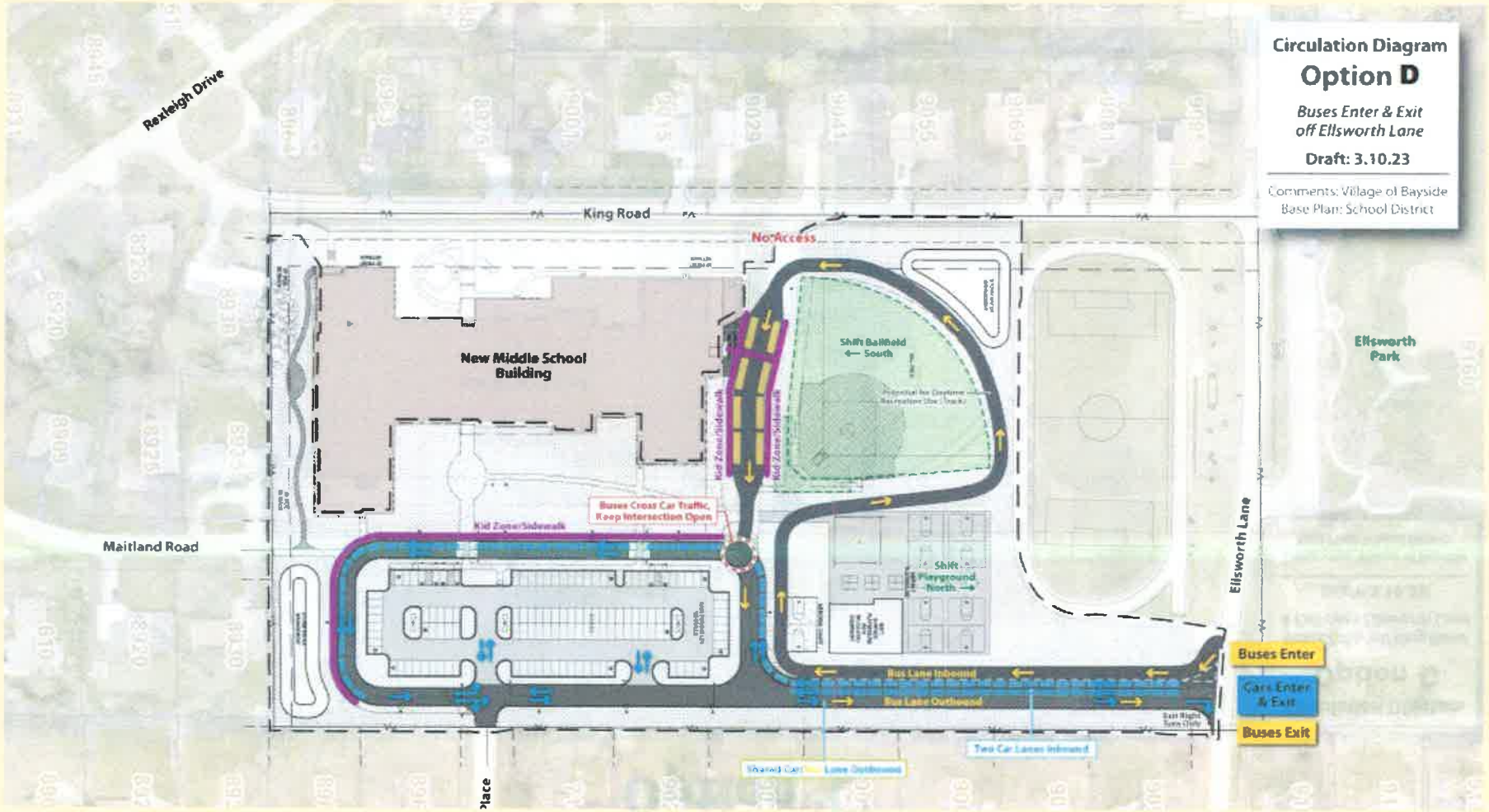
Option 'B'


CONCEPT OPTION 'B'
EXISTING TOP OF SLOPE
N
eua
BAYSIDE MIDDLE SCHOOL
8011 E ELLSWORTH LN, BAYSIDE, WI 53217
kapur
NORTHWEST BUS LANE
FIGURE 5

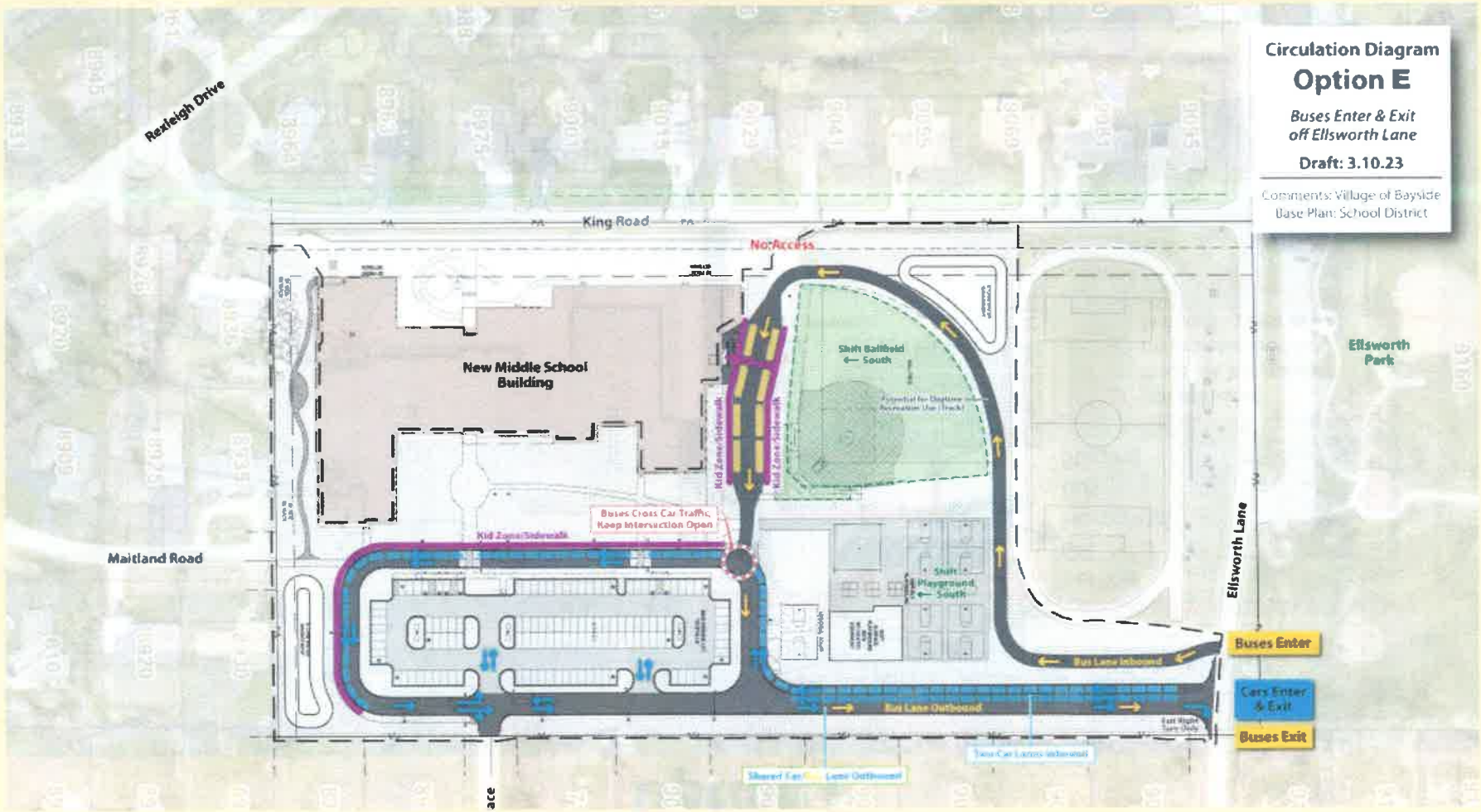
Option 'C'


Circulation Diagram
Option C
Buses Enter off King Road
& Exit onto Ellsworth Lane
Draft: 3.10.23
Comments: Village of Bayside
Base Plan: School District
Rexleigh Drive
King Road
Buses Enter
New Middle School Building
Ellsworth Park
Maitland Road
Kid Zone Sidewalk
Shift Playground North and West
Ellsworth Lane
Buses Exit
Bus Lane Outbound
Cars Enter & Exit
Two Car Lanes Inbound
One Car Lane Outbound

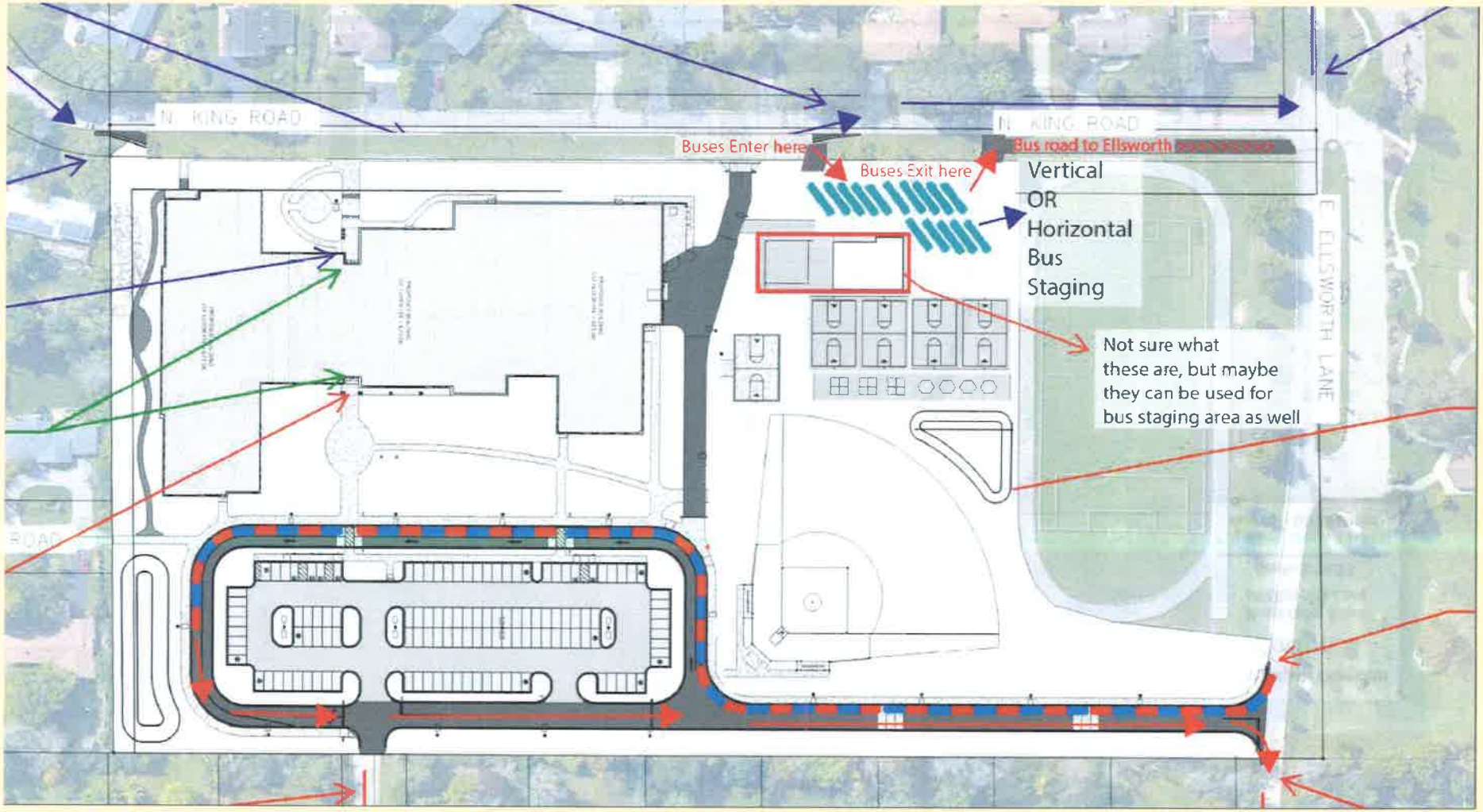
Option 'D'


Circulation Diagram
Option D
Buses Enter & Exit off Ellsworth Lane
Draft: 3.10.23
Comments: Village of Bayside
Base Plan: School District
Rexleigh Drive
King Road
No Access
New Middle School Building
Shift Ballfield ← South
Ellsworth Park
Kid Zone/Sidewalk
Buses Cross Car Traffic, Keep Intersection Open
Maitland Road
Shift Playground North →
Ellsworth Lane
Bus Lane Inbound
Bus Lane Outbound
Buses Enter
Cars Enter & Exit
Buses Exit
Two Car Lanes Inbound

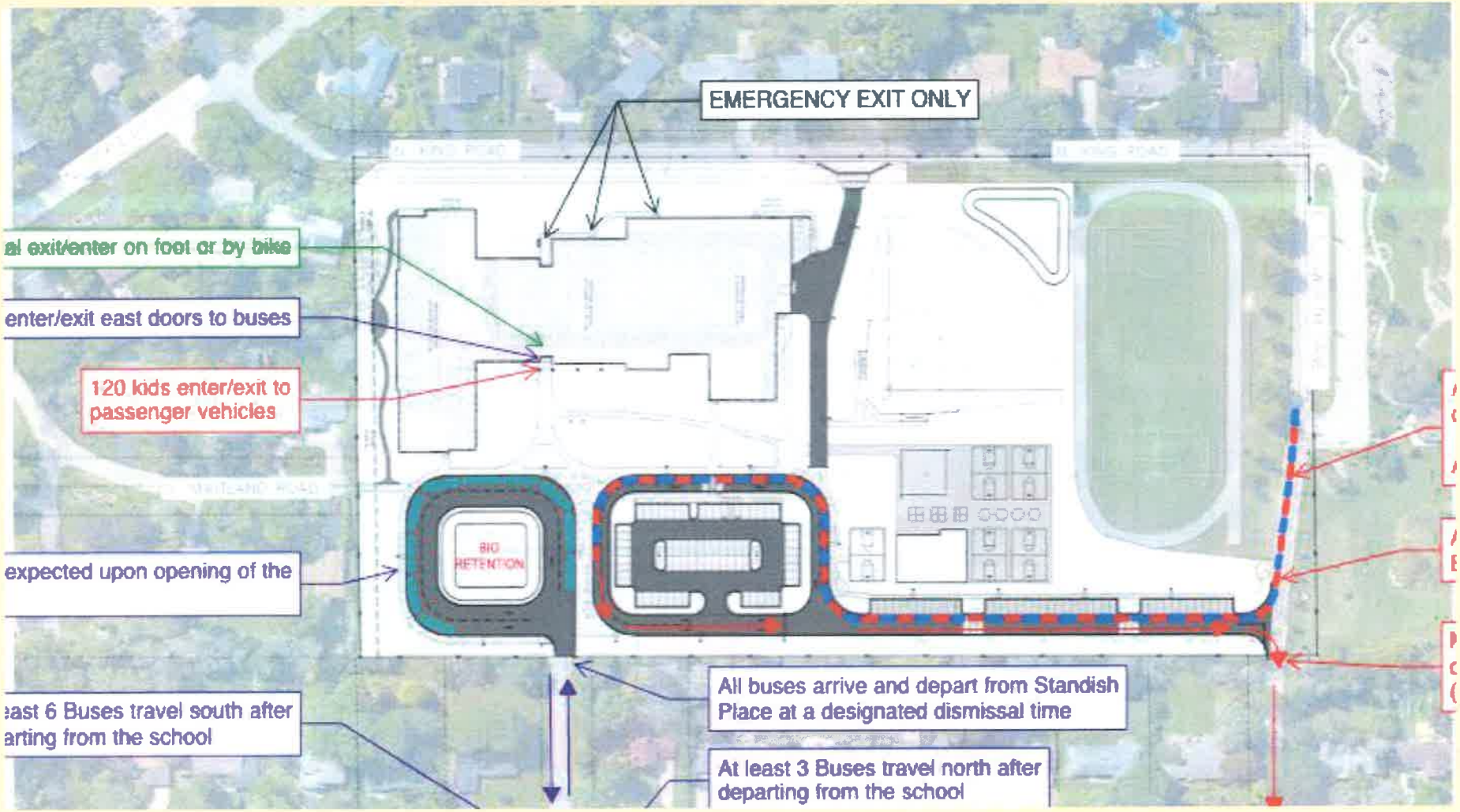
Option 'E'


Circulation Diagram
Option E
Buses Enter & Exit off Ellsworth Lane
Draft: 3.10.23
Comments: Village of Bayside
Base Plan: School District
Rexleigh Drive
King Road
No Access
New Middle School Building
Shift Ballfield South
Ellsworth Park
Kid Zone/Sidewalk
Buses Cross Car Traffic, Keep Intersection Open
Maitland Road
Shift Playground South
Ellsworth Lane
Buses Enter
Bus Lane Inbound
Cars Enter & Exit
Bus Lane Outbound
Buses Exit

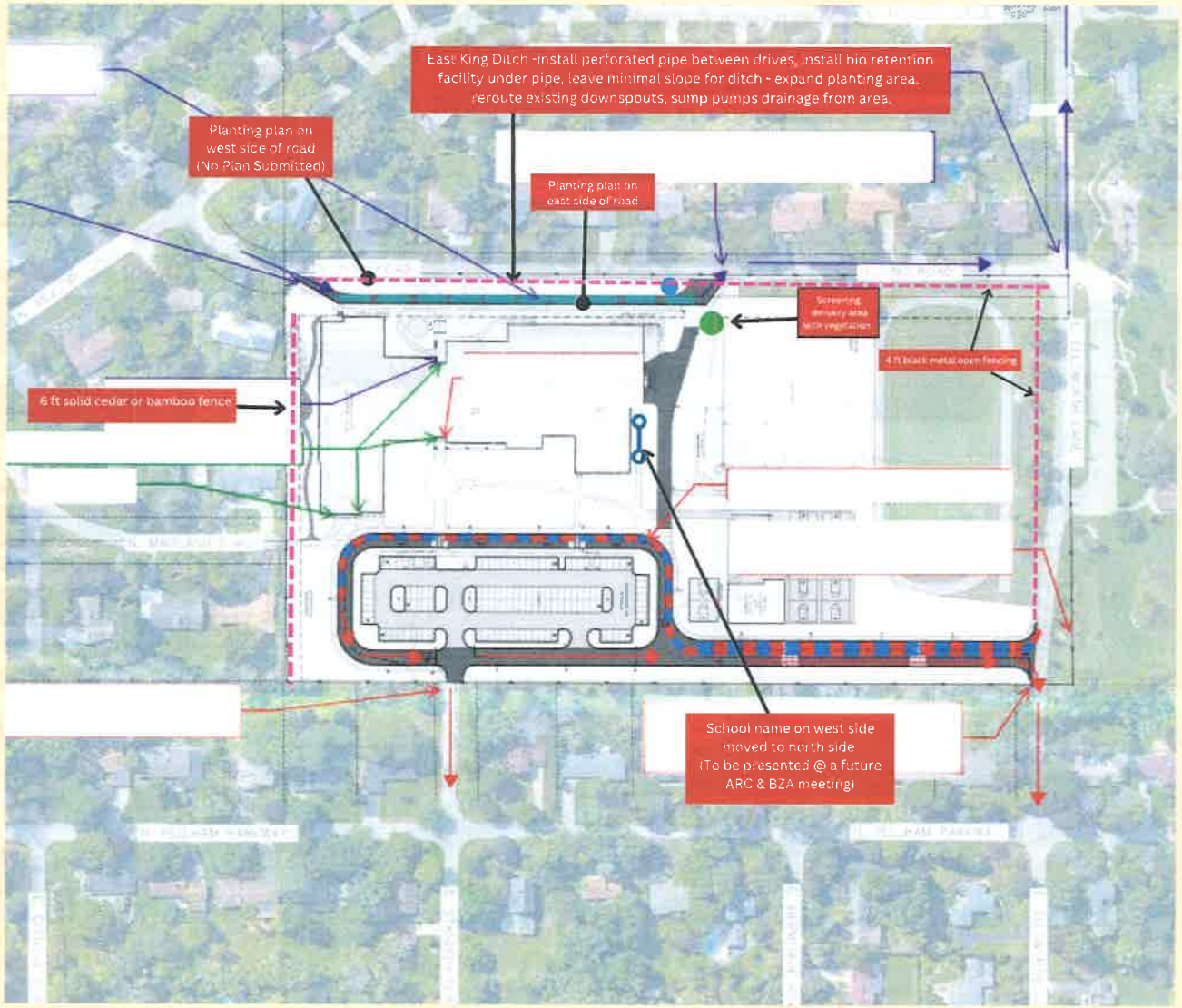
Option F


N. KING ROAD
N. KING ROAD
Buses Enter here
Buses Exit here
Bus road to Ellsworth
Vertical
OR
Horizontal
Bus
Staging
Not sure what these are, but maybe they can be used for bus staging area as well
E. ELLSWORTH LANE

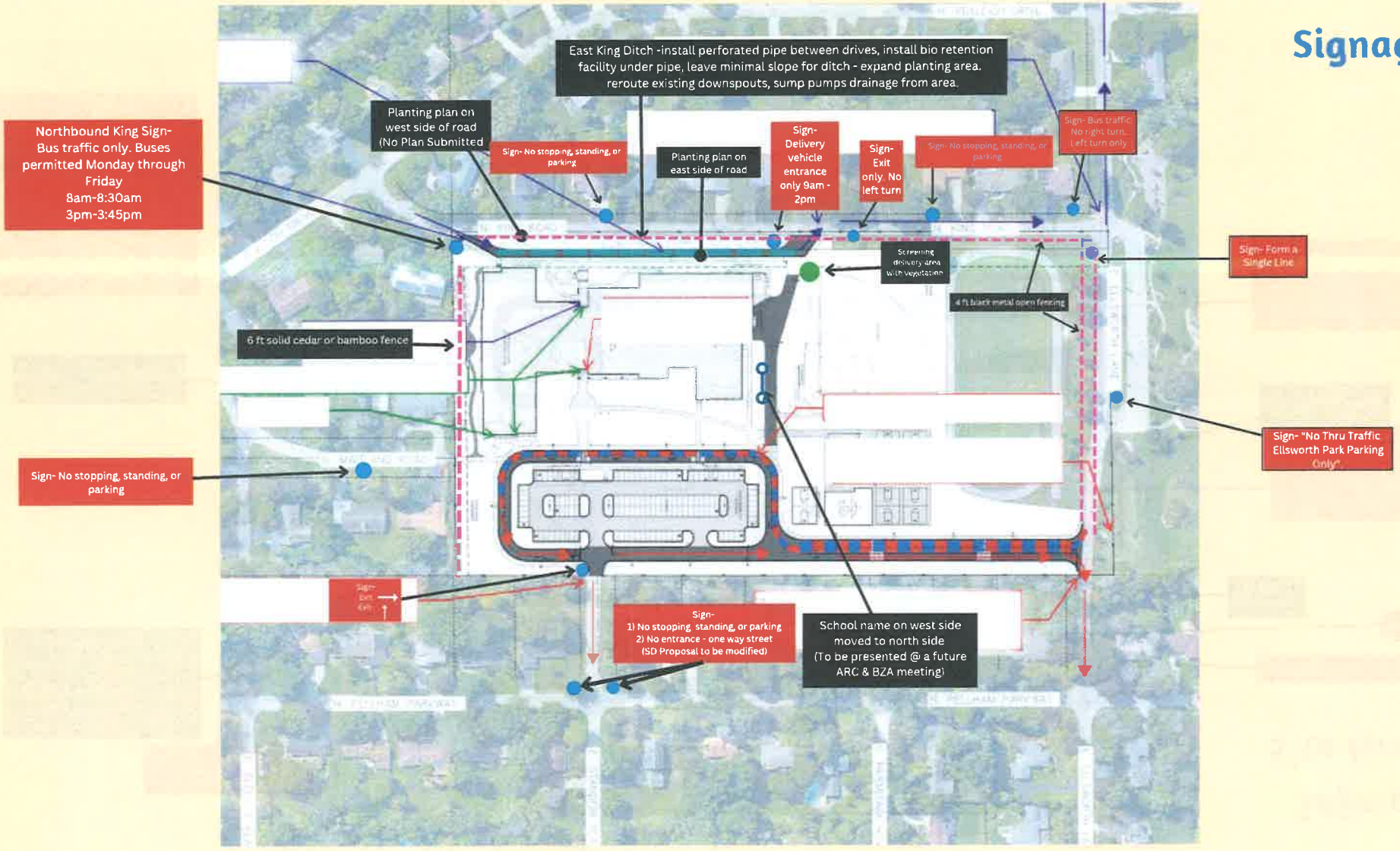
Option G


EMERGENCY EXIT ONLY
al exit/enter on foot or by bike
enter/exit east doors to buses
120 kids enter/exit to passenger vehicles
expected upon opening of the
BIO RETENTION
All buses arrive and depart from Standish Place at a designated dismissal time
east 6 Buses travel south after arting from the school
At least 3 Buses travel north after departing from the school

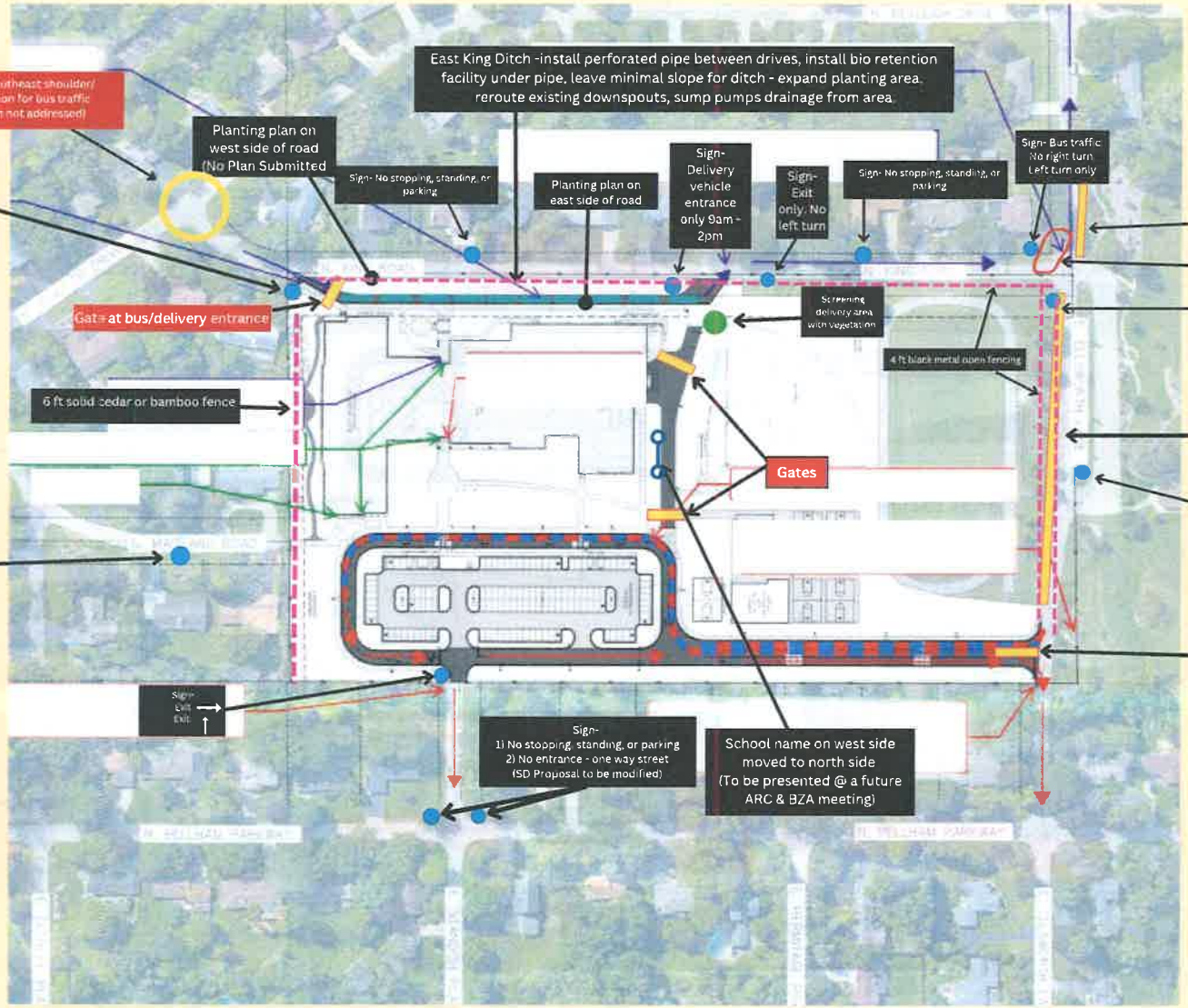
Landscape/ Aesthetics



Signage


East King Ditch -install perforated pipe between drives, install bio retention facility under pipe, leave minimal slope for ditch - expand planting area. reroute existing downspouts, sump pumps drainage from area.
Northbound King Sign- Bus traffic only. Buses permitted Monday through Friday 8am-8:30am 3pm-3:45pm
Planting plan on west side of road (No Plan Submitted
Sign- No stopping, standing, or parking
Planting plan on east side of road
Sign- Delivery vehicle entrance only 9am - 2pm
Sign- Exit only. No left turn
Sign- No stopping, standing, or parking
Sign- Bus traffic No right turn. Left turn only
Sign- Form a Single Line
Screening delivery area with vegetation
4 ft black metal open fencing
6 ft solid cedar or bamboo fence
Sign- "No Thru Traffic Ellsworth Park Parking Only"
Sign- No stopping, standing, or parking
Sign- Exit
Sign- 1) No stopping, standing, or parking 2) No entrance - one way street (SD Proposal to be modified)
School name on west side moved to north side (To be presented @ a future ARC & BZA meeting)

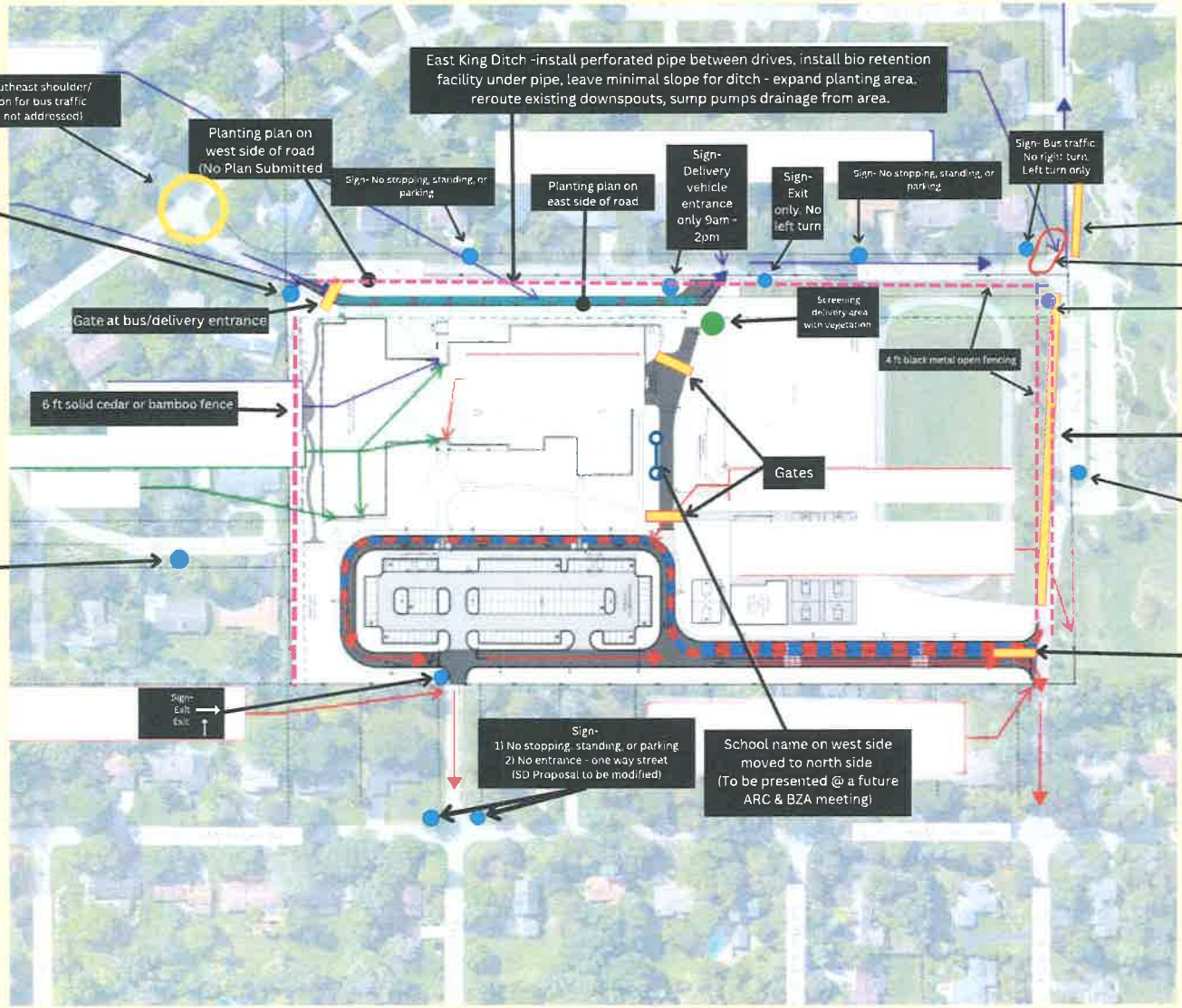
Safety/ Site Needs



Intersection alterations for Buses
-SW corner of King & Ellsworth
-NE corner BDR & Rexleigh
-NE corner of Ellsworth & Regent
-King & Rexleigh
(Partial Plan Submitted)

Maintenance agreement for queuing lane Ellsworth and King (No Plan Submitted)

All



Northbound King Sign- Bus traffic only. Buses permitted Monday through Friday
8am-8:30am
3pm-3:45pm

Intersection alterations for Buses
-SW corner of King & Ellsworth
-NE corner BDR & Rexleigh
-NE corner of Ellsworth & Regent
-King & Rexleigh
(Partial Plan Submitted)

Maintenance agreement for queuing lane Ellsworth and King (No Plan Submitted)

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

Proposed Project Details (type of work, size, materials, location, etc.):

This package includes impervious surface information and calculations.

☒ ARC Agenda Date: 06/19/2023

☒ Parcel Number: 0219983000

☐ Color photographs showing project location, elevations, and surround views.

☐ Complete digital set of building plans (including elevations and grading).

☐ Samples or brochures showing materials, colors, and designs.

☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

☐ Accessory Structures/Generators

☐ Additions/Remodel

☐ Commercial Signage

☐ Decks/Patios

☐ Fence

☐ Fire Pits

☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit

☐ New Construction

☐ Play Structures

☐ Recreational Facilities/Courts

☐ Roofs

☐ Solar Panels/Skylights

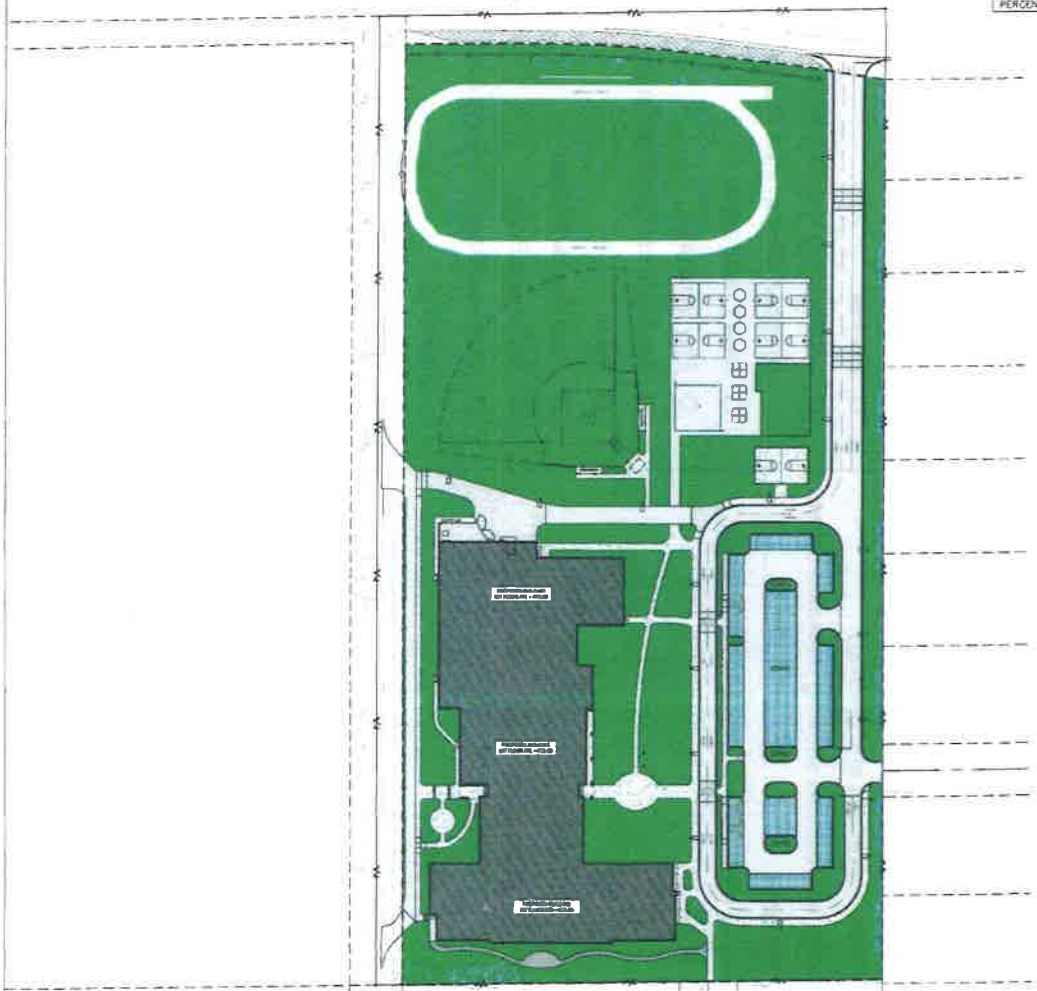
☐ Swimming Pools

☐ Windows/Doors – change exceeds 25% of opening

☒ Other

Package 06 - Impervious Surface Permit

WHOLE PROPERTY IMPERVIOUS SURFACE SUMMARY	
PROPOSED IMPERVIOUS AREA	249,513 SF
PROPOSED PERVIOUS PAVERS	19,297 SF
PROPOSED PERVIOUS GREEN SPACE	314,373 SF
TOTAL PROPOSED PERVIOUS AREA	333,670 SF
PROPOSED IMPERVIOUS AREA PERCENTAGE OF SITE	42.78%



Scale: 0 25 50 100
Scale 1" = 50'

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

LEGEND

IMPERVIOUS SURFACE CALCULATION LIMITS

eu:a

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
	ARC SUBMISSION

KEY PLAN

kapur

7711 N. Port Washington Road
Milwaukee, Wisconsin 53217

SHEET INFORMATION

PROJECT MANAGER TB
PROJECT NUMBER 19014-02

POST-DEVELOPED IMPERVIOUS SURFACE SUMMARY

5

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

Proposed Project Details (type of work, size, materials, location, etc.):

Site Plan: The site plan includes updates from last submission, including: Privacy fencing along the south property line, Site access fencing along King and Ellsworth, Traffic signage around the site and extending into the surrounding neighborhood, Safety fencing along the bus drop off lane, Landscape screening along the bus lane, Added lane off of Ellsworth to accommodate more vehicular traffic, Added turn lane off Ellsworth to accommodate more vehicular traffic.

☒ ARC Agenda Date: 06/19/2023

☒ Parcel Number: 0219983000

☐ Color photographs showing project location, elevations, and surround views.

☐ Complete digital set of building plans (including elevations and grading).

☐ Samples or brochures showing materials, colors, and designs.

☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

☐ Accessory Structures/Generators

☐ Additions/Remodel

☐ Commercial Signage

☐ Decks/Patios

☐ Fence

☐ Fire Pits

☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit

☐ New Construction

☐ Play Structures

☐ Recreational Facilities/Courts

☐ Roofs

☐ Solar Panels/Skylights

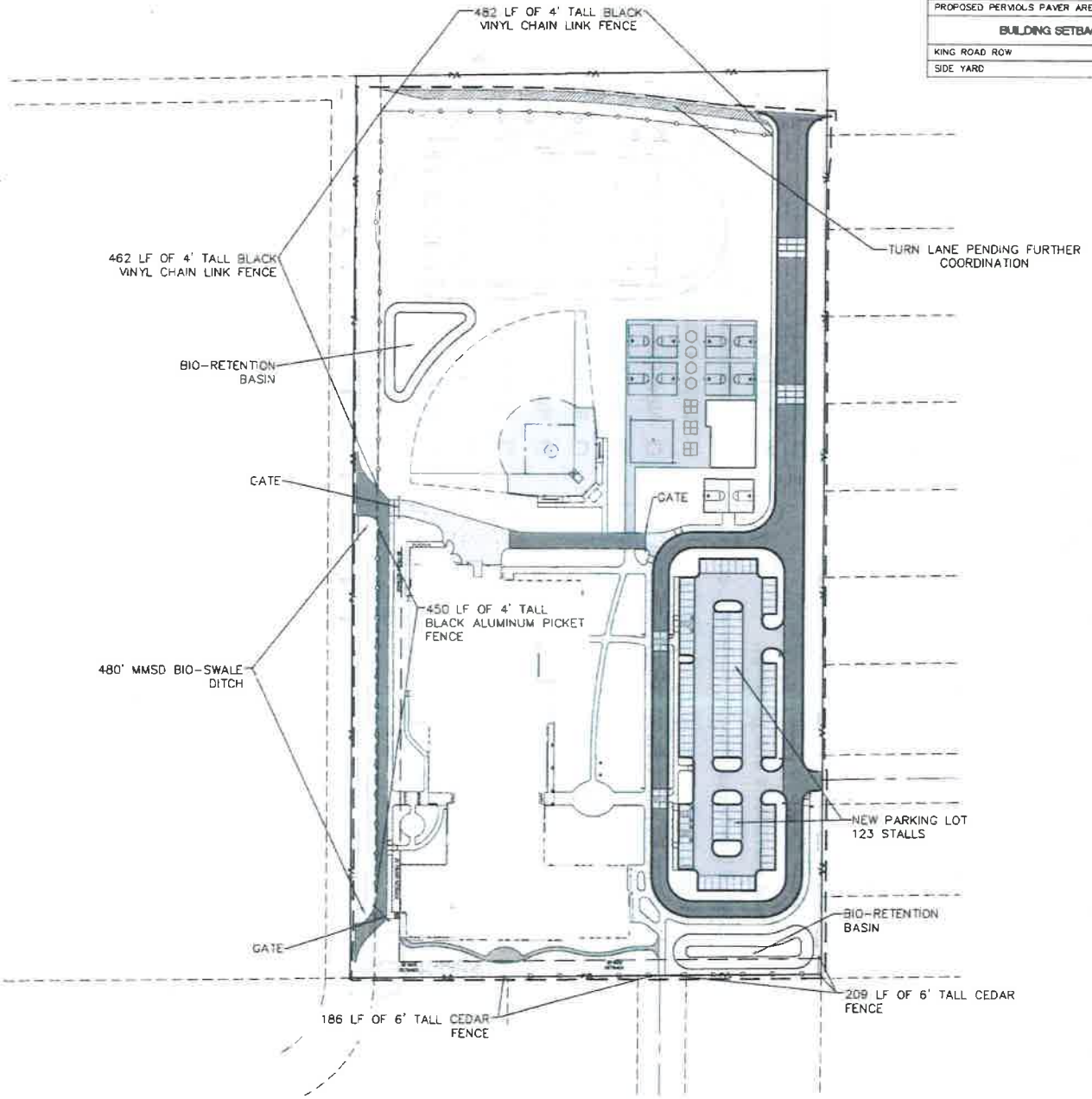
☐ Swimming Pools

☐ Windows/Doors – change exceeds 25% of opening

☒ Other

Package 01 - Site Plan

PARKING SUMMARY	
REQUIRED PARKING SPACES	75 SPACES
PROPOSED PERVIOUS PAVER AREA	123 SPACES
BUILDING SETBACK SUMMARY	
KING ROAD ROW	30 FEET
SIDE YARD	20 FEET



Scale: 1" = 50'

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www.DiggersHotline.com

eua

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/15/2022	ARC SUBMISSION

KEY PLAN

kapur

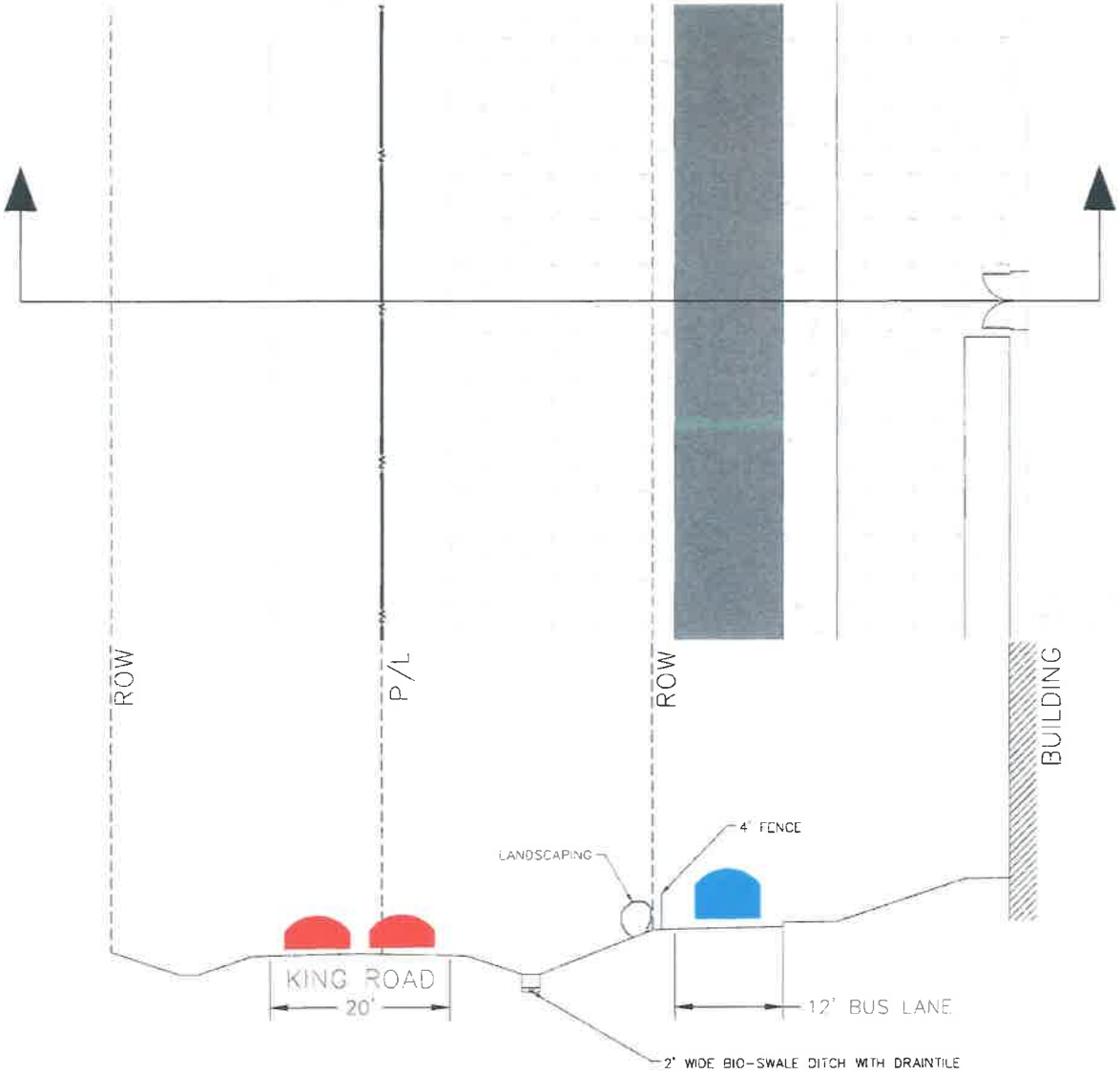
SHEET INFORMATION

PROJECT MANAGER TS

PROJECT NUMBER 19214-02

OVERALL SITE LAYOUT PLAN

1



Scale 1" = 20'

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eua

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
04/19/2023	ARC SUBMISSION

KEY PLAN

kapur

7711 N. Port Washington Road
Milwaukee, Wisconsin 53217
kapurinc.com

SHEET INFORMATION

PROJECT MANAGER TS
PROJECT NUMBER 19314-02

KING ROAD SECTION

1A

Project Proposal

Date 5/22/23

Property Address 601 E Ellsworth Ln, Bayside, WI 53217

Zoning District

Proposed Project Details (type of work, size, materials, location, etc.):

- Standard construction way finding and safety signage ranging from 3'x4' to 11"x17". Plastic weather resistant construction
- 8'x8' project sign. Rendering attached
- Duration - 18 months

☐ ARC Agenda Date:

☐ Parcel Number:

☐ Color photographs showing project location, elevations, and surround views.

☐ Complete digital set of building plans (including elevations and grading).

☐ Samples or brochures showing materials, colors, and designs.

☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

☐ Accessory Structures/Generators

☐ Additions/Remodel

☐ Commercial Signage

☐ Decks/Patios

☐ Fence

☐ Fire Pits

☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit

☐ New Construction

☐ Play Structures

☐ Recreational Facilities/Courts

☐ Roofs

☐ Solar Panels/Skylights

☐ Swimming Pools

☐ Windows/Doors – change exceeds 25% of opening

☒ Other

TEMPORARY SIGN PERMIT

Applicant Name Shawn Hinke

Name of Business Miron Construction Co., Inc.

Address 601 E Ellsworth Lane, Bayside, WI 53217

Applicant phone number(s) (414) 840-9162

Applicant email address shawn.hinke@miron-construction.com

Dates of posting from May 15th, 2023 through November 29th, 2024

Location of sign Signs will mainly be along King Road

Reason for sign Job site safety, separation between construction/school activities, community information

Sign Description Standard construction way finding and safety signage, sign showing final rendering

# of Signs 24 Size 3' x 4' at gates, smaller along fence Total Square Feet Approx 100

Material(s) Plastic

How will it be displayed (in-ground, attached to building, etc.) Signage will be secured to site perimeter fencing when possible, and will be secured in-ground otherwise.

If sign will not be on applicant's property, is a letter of permission attached? Yes X No ____

Will sign be placed in the right-of-way? (not permitted) Yes X No ____

Is a photograph or drawing of the sign attached? Yes X No ____

DLH

Signature of applicant Date 05/10/2023

OFFICE USE ONLY:

- Banners and temporary signs shall be valid for not more than 15 days per calendar quarter, have a gross sign area of 100 sq ft or less, and have no single side of any sign exceed 50 sq ft.
- Fee is assessed *per sign.*
- Signs may not be placed in the right-of-way.
- All requests must have written authorization from the property owner and be provided at the time of application and approval.
- Provide copy of approved application to the Police Department.

Village Manager or designee _____ Date _____

Approved _____ Denied _____

Updated 8/3/2021

Village of Bayside
9075 North Regent Road
Bayside, WI 53217

May 10th, 2023

To Whom it May Concern,

Serving as a representative of the Fox Point Bayside School District, I authorize Miron Construction Co., Inc. to display temporary construction signage on school grounds as they see fit for the duration of construction activities. Branding signage will be reviewed and approved by the School District. Should you have any questions, please feel free to contact me.

Best Regards,

Jordan Schulz

Jordan Schulz
Partner
Huffman Keel Partners, Inc.
(617) 922-7691
jschulz@huffmankeel.com

BUILDING OUR FUTURE

FOX POINT BAYSIDE SCHOOL DISTRICT

BAYSIDE MIDDLE SCHOOL

FOXBAY.ORG

Miron Building Excellence

eua

OUR COMMITMENT REACHES BEYOND CONSTRUCTION. OUR PASSION BRINGS DREAMS TO LIFE.

LEARN MORE AT MIRON-CONSTRUCTION.COM

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

Proposed Project Details (type of work, size, materials, location, etc.):

Landscape Plan: Privacy fencing along the south property line, Site access fencing along King and Ellsworth, Traffic signage around the site and extending into the surrounding neighborhood, Safety fencing along the bus drop off lane, Landscape screening along the bus lane. Landscaping plans include exact locations, sizes, and species as well as fencing with images/samples.

☒ ARC Agenda Date: 06/19/2023

☒ Parcel Number: 0219983000

☐ Color photographs showing project location, elevations, and surround views.

☐ Complete digital set of building plans (including elevations and grading).

☐ Samples or brochures showing materials, colors, and designs.

☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

☐ Accessory Structures/Generators

☐ Additions/Remodel

☐ Commercial Signage

☐ Decks/Patios

☐ Fence

☐ Fire Pits

☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit

☐ New Construction

☐ Play Structures

☐ Recreational Facilities/Courts

☐ Roofs

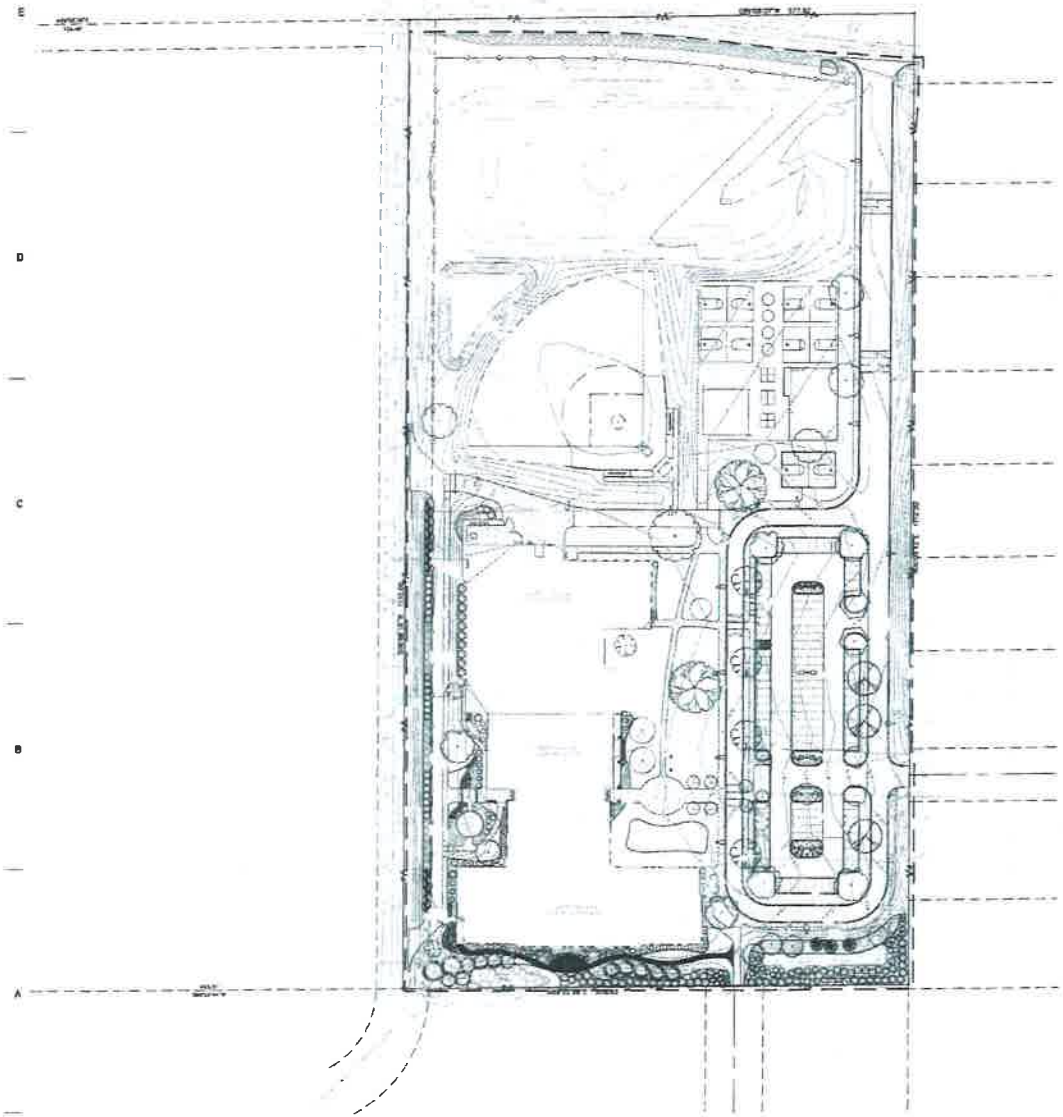
☐ Solar Panels/Skylights

☐ Swimming Pools

☐ Windows/Doors – change exceeds 25% of opening

☒ Other

Package 03 - Landscaping Plan



Scale: 1" = 50'

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www.DiggersHotline.com

HATCH LEGEND

eu:a

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION

KEY PLAN

kapur

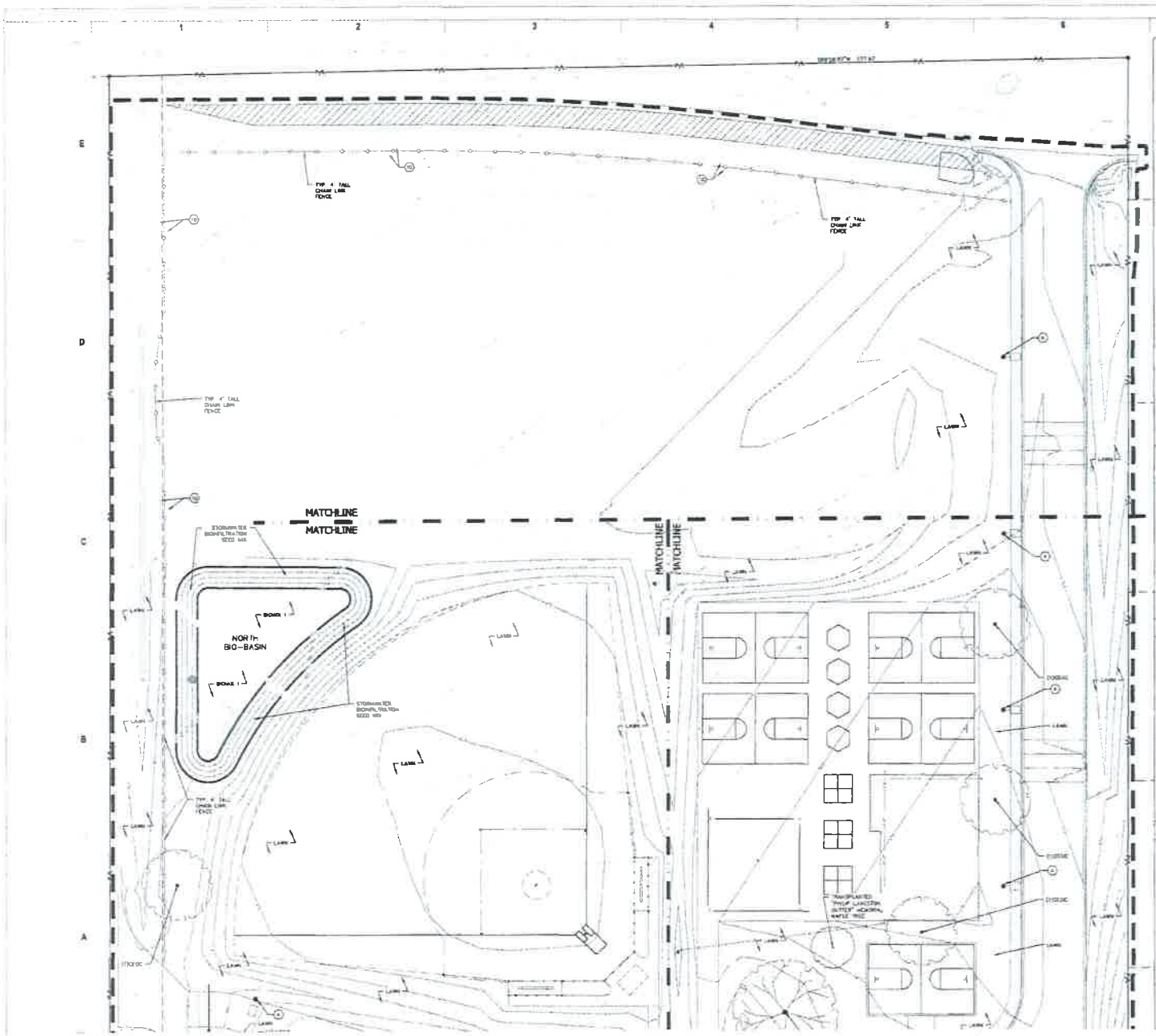
SHEET INFORMATION

PROJECT MANAGER TS

PROJECT NUMBER 19314-02

OVERALL SITE LANDSCAPE PLAN - PHASE 2

L101-2



Scale: 0 10 20 40

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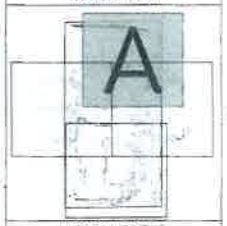
VICINITY MAP



HATCH LEGEND

KEY INDEX

eua

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
	ARC SUBMISSION

KEY PLAN

kapur

7721 N. Port Washington Road
Milwaukee, Wisconsin 53217

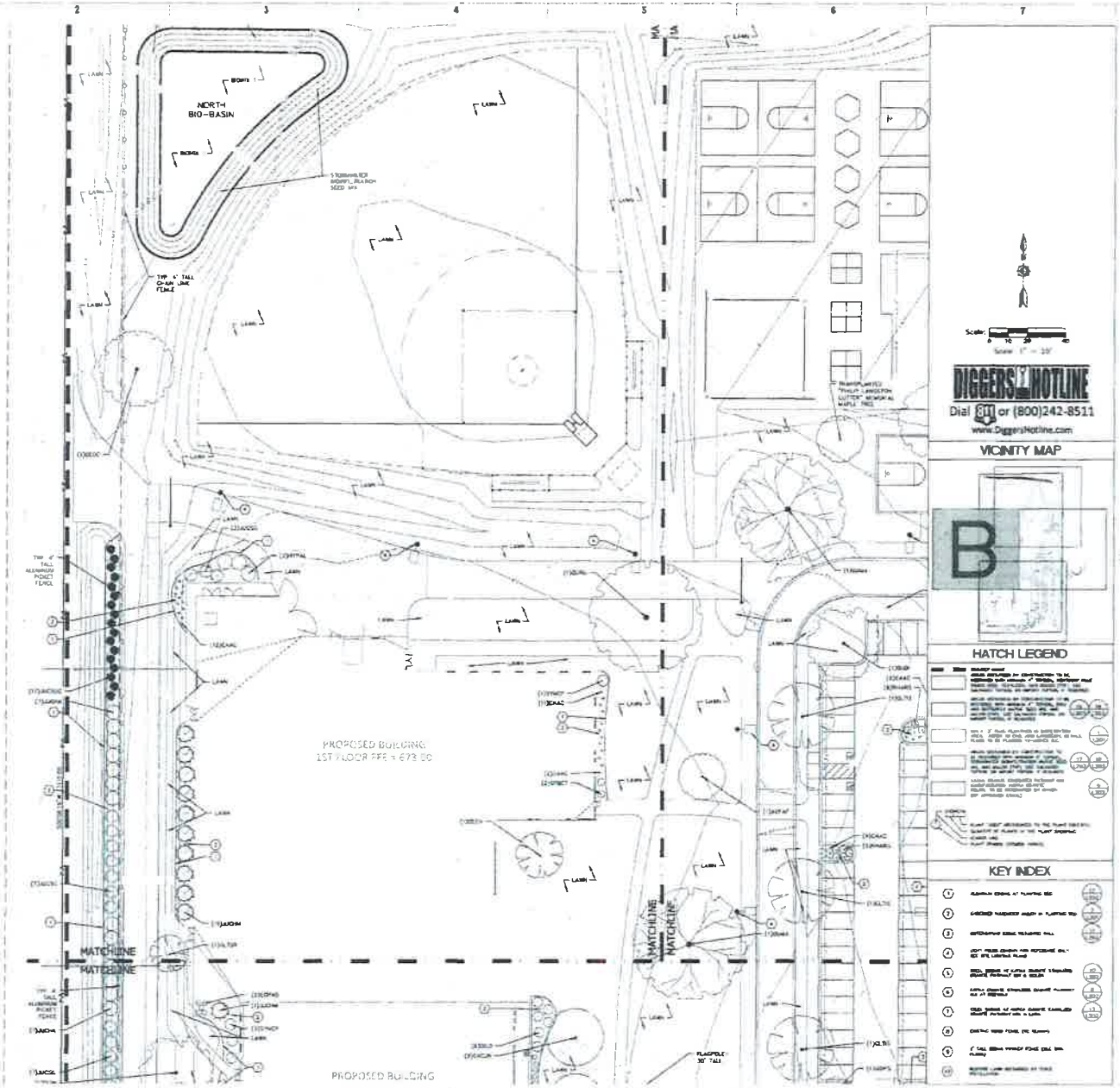
SHEET INFORMATION

PROJECT MANAGER TS

PROJECT NUMBER 19014-02

SITE LANDSCAPE PLAN - PHASE 2 - AREA A

L101-2A



Scale: 0 10 20 40
Scale: 1" = 20'

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VICINITY MAP

B

HATCH LEGEND

KEY INDEX

eua

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/19/2025	ARC SUBMISSION

KEY PLAN

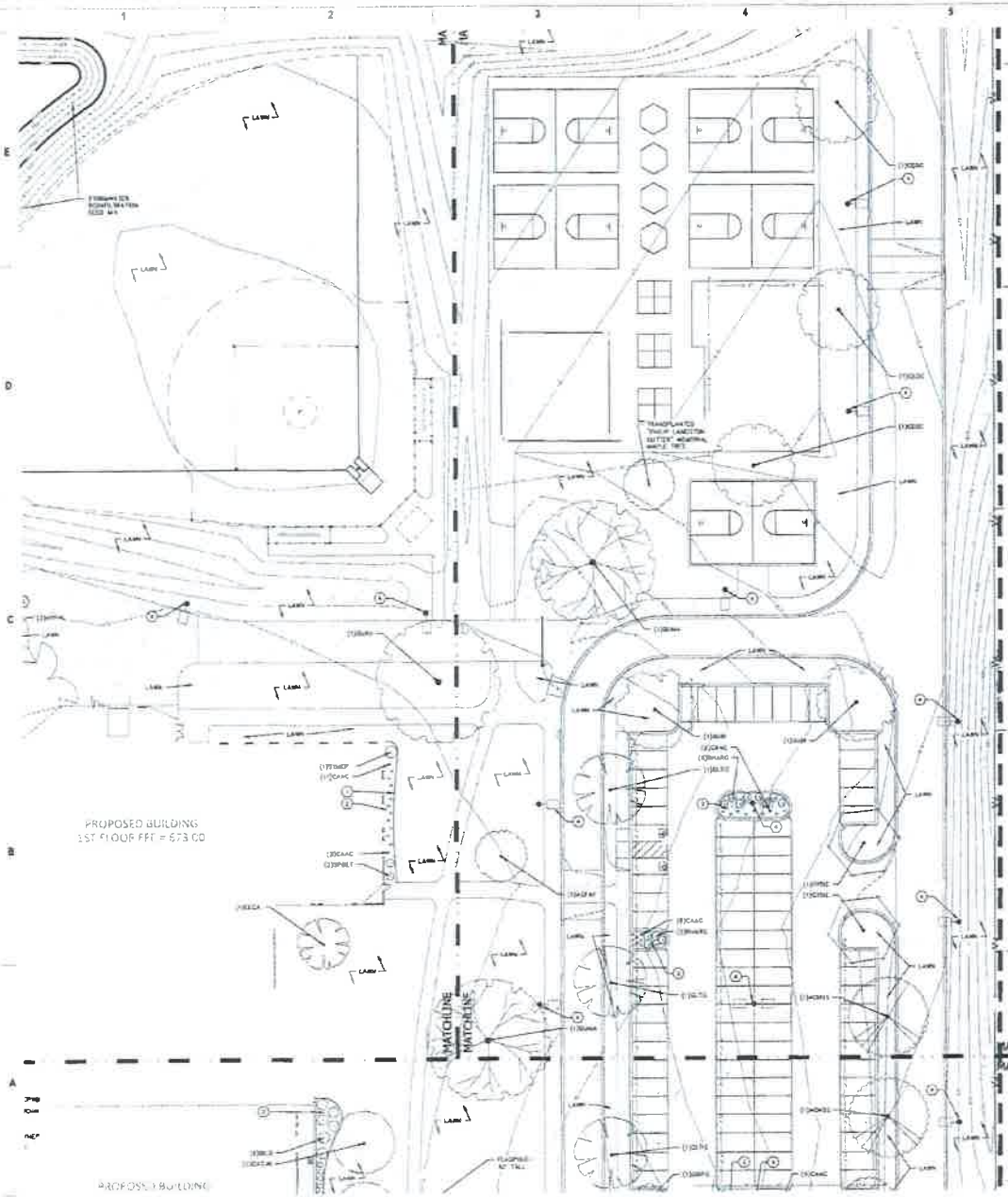
kapur

SHEET INFORMATION

PROJECT MANAGER TS
PROJECT NUMBER 19314-02

SITE LANDSCAPE PLAN - PHASE 2 - AREA B

L101-2B



Scale: 1" = 20'

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VICINITY MAP

HATCH LEGEND

KEY INDEX

eu:a

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/18/2023	ARC SUBMISSION

KEY PLAN

kapur

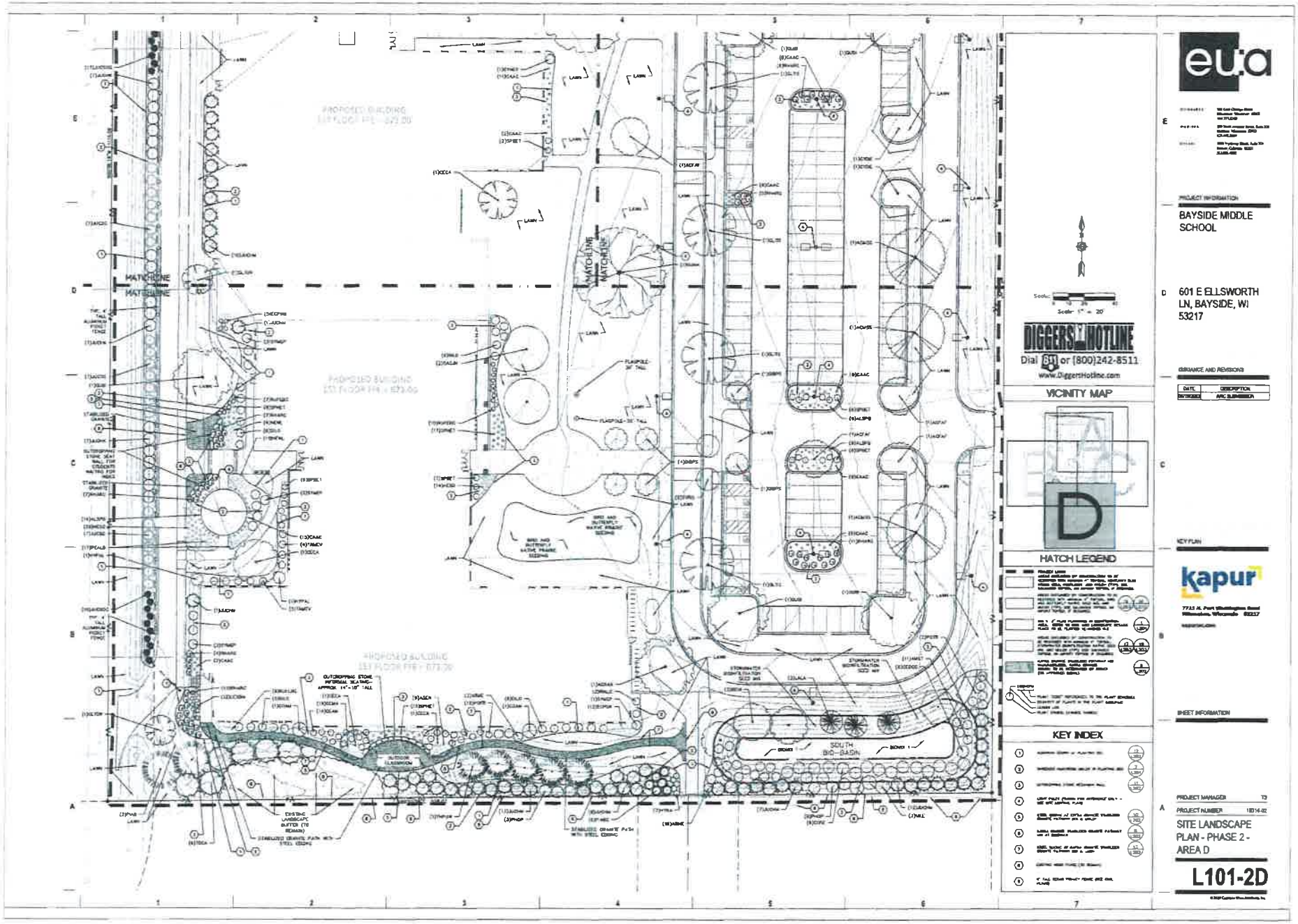
SHEET INFORMATION

PROJECT MANAGER TS

PROJECT NUMBER 19314-02

SITE LANDSCAPE PLAN - PHASE 2 - AREA C

L101-2C



DIGGERS HOTLINE
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www.DiggersHotline.com

VICINITY MAP

HATCH LEGEND

KEY INDEX

eu:a

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
10/19/2023	ARC SUBMISSION

KEY PLAN

kapur

7715 N. Port Washington Road
Milwaukee, Wisconsin 53217

SHEET INFORMATION

PROJECT MANAGER TJ

PROJECT NUMBER 18014-02

SITE LANDSCAPE PLAN - PHASE 2 - AREA D

L101-2D

PLANT PALETTE

BAYSIDE MIDDLE SCHOOL

601 E. ELLSWORTH LANE, BAYSIDE, WI 53217

PREPARED BY:

kapur

PREPARED FOR:

DATE: 08-19-2025

SAFEbuilt Wisconsin, LLC
W241 S4135 Pine Hollow Court
Waukesha, WI 53188

06/07/2023

Attention:
Village of Bayside, WI
Architecture Review Committee

PROJECT/SITE OWNER:	PROJECT SUMMARY:
Fox Point-Bayside School District PROJECT ADDRESS: 601 Ellsworth Ln	Exterior lighting

I have reviewed the proposed new fences for compliance with the Village's ordinances and have determined the following for consideration.

1. In reviewing the computer-generated site lighting photometric plan it appears that it complies with the ordinance.
2. The board always considers the aesthetics of the lighting fixtures and poles.

VILLAGE CODE REVIEW

Supporting documentation or testimony must be provide at the meeting to verify code compliance with the above observations in red.

Dave Hendrix
SAFEbuilt
Wisconsin Operations Manager

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

Proposed Project Details (type of work, size, materials, location, etc.):

The exterior lighting plan remains consistent with last submission, plan, photometric and cut sheets are included

☒ ARC Agenda Date: 06/19/2023

☒ Parcel Number: 0219983000

☐ Color photographs showing project location, elevations, and surround views.

☐ Complete digital set of building plans (including elevations and grading).

☐ Samples or brochures showing materials, colors, and designs.

☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

☐ Accessory Structures/Generators

☐ Additions/Remodel

☐ Commercial Signage

☐ Decks/Patios

☐ Fence

☐ Fire Pits

☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit

☐ New Construction

☐ Play Structures

☐ Recreational Facilities/Courts

☐ Roofs

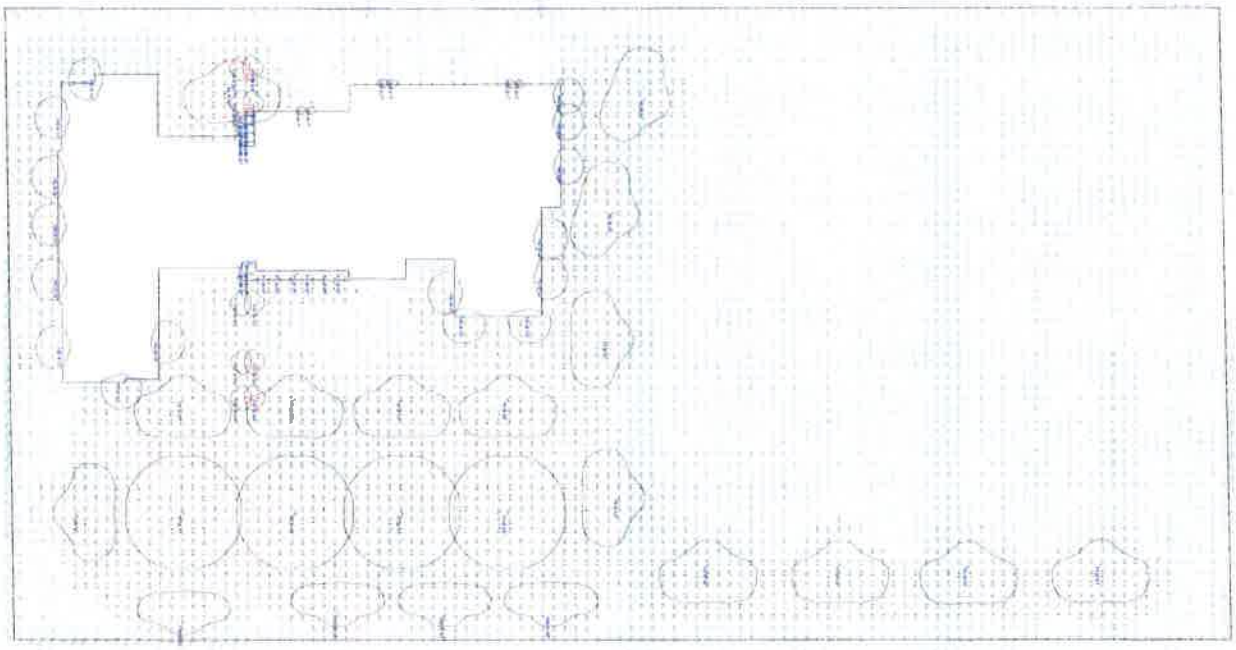
☐ Solar Panels/Skylights

☐ Swimming Pools

☐ Windows/Doors – change exceeds 25% of opening

☒ Other

Package 04 - Exterior Lighting



Proposed Wall Mounted Light

Proposed Light Pole

Proposed Area Light

BAYSIDE MIDDLE SCHOOL
SITE LIGHTING PHOTOMETRIC

ENGINEERING DESIGN BY
MSA

RSX2 LED
Area Luminaire

Catalog Number

Notes

Type

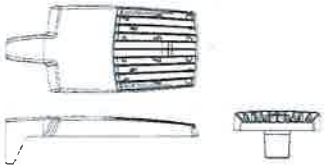
Introduction

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.

Specifications

EPA (ft²@0°):	0.69 ft² (0.06 m²)
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)



Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1 P2 P3 P4 P5 P6	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide R5S Type 5 Short [8] AFR Automotive Front Row AFR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) [2] HVOLT (347V-480V) [2] XVOLT (277V-480V) [4] (use specific voltage for options as noted) 120 [3] 277 [3] 208 [3] 347 [3] 240 [3] 480 [3]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) [5] 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°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8" OD tenon) [6] WBA Wall bracket [1] WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting [6] AARP Adjustable tilt arm round pole mounting [6] AAWB Adjustable tilt arm with wall bracket [6] AAWSC Adjustable tilt arm wall bracket and surface conduit box [6]

Options		Finish	
Shipped Installed		DDBXD	Dark Bronze
HS	House-side shield [7]	DBLXD	Black
PE	Photocontrol, button style [9]	DNAXD	Natural Aluminum
PEX	Photocontrol external threaded, adjustable [9,10]	DWHXD	White
PER7	Seven-wire twist-lock receptacle only (no controls) [9,11,12]	DDBTXD	Textured Dark Bronze
CE34	Conduit entry 3/4" NPT (Qty 2)	DBLBXD	Textured Black
SF	Single fuse (120, 277, 347) [13]	DNATXD	Textured Natural Aluminum
DF	Double fuse (208, 240, 480) [13]	DWHGXD	Textured White
SPD20KV	20kV Surge pack (10kV standard)		
FAO	Field adjustable output [3,14]		
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) [15,16]		
DS	Dual switching [15,16]		

Shipped Installed	
***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**	
NLTAIR2	nLight AIR generation 2 [17,18,19]
PIRHN	Networked, 8–Level motion/ambient sensor (for use with NLTAIR2) [17,18,19]
BAA	Buy America(n) Act Compliant

***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.**

Shipped Separately (requires some field assembly)	
E6S	External glare shield [6]
E6FV	External glare full visor (360° around light aperture) [6]
BS	Bird spikes [14]

Ordering Information

Accessories

Ordered and shipped separately

RSX2HS	RSX2 House side shield (includes 2 shields)
RSX2EGS (FINISH) U	External glare shield (specify finish)
RSX2HSAFRR (FINISH) U	RSX2 House side shields for AFR rotated optics (includes 2 shields)
RSX2EGFV (FINISH) U	External glare full visor (specify finish)
RSXBPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall backset (specify finish) [1]
RSXSCB (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) [10]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [10]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [10]
DSHORT SBLU	Shorting cap [10]

NOTES

1. Any Type 5 distribution is not available with WBA.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3. HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4. 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.
5. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6. Maximum tilt is 90° above horizontal.
7. It may be ordered as an accessory.
8. Requires MVOLT or 347V.
9. Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, DS, PIRHN). Except on: PE or PEX and FAO can be combined.
10. Requires 120V, 208V, 240V, or 277V.
11. 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.
12. For units with option PER7, the mounting must be restricted to +/- 45° from horizontal per ANSI C136.10-2010.
14. Two or more of the following options cannot be combined including DMG, DS, PER7, FAO and PIRHN.
14. DS only available on performance package P5 and P6
15. Must be ordered with PIRHN.
16. Requires MVOLT or HVOLT.
17. Must be ordered with NLTAIR2. For additional information on PIRHN visit.
18. Must be ordered with fixture for factory pre-drilling.
19. 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

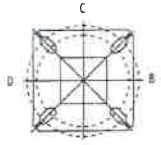
External Glare Shield

External 360 Full Visor

Pole/Mounting Information

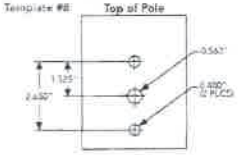
Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Acuity Brands.

HANDHOLE ORIENTATION

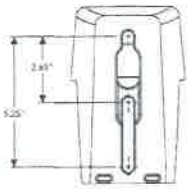


Handhole

RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	ARM Mounting	Single	2 at 180°	2 at 90°	3 at 120°	4 at 90°	4 at 180°
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 Options	Single	2 at 180°	2 at 90°	3 at 120°	4 at 90°	4 at 180°
	Head Location	Side B	Side B & D	Side B & C	Ground Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX2 - Luminaire EPA

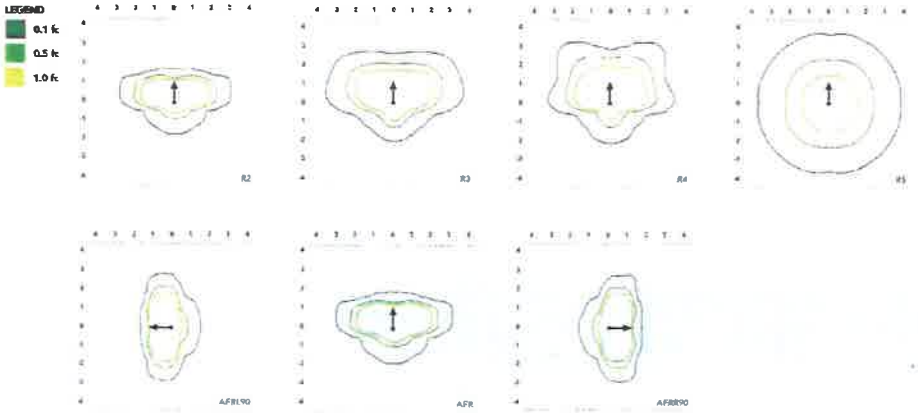
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 at 180°	2 at 90°	3 at 120°	4 at 90°	4 at 180°	2 Units Side by Side	3 Units Side by Side	4 Units Side by Side
Mounting Type	Tilt									
SPA - Square Pole Adaptor	0°	0.69	1.22	1.27	1.6	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	1.6	1.61	2.39	1.37	2.06	2.74
	10°	0.53	1.06	1.05	1.56	1.37	2.06	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	1.61	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	3.53	4.24	4.17	5.89	4.41	6.61	8.82
	70°	2.86	4.33	4.7	5.89	5.71	8.21	5.71	8.57	11.42
	80°	3.4	5.33	5.67	7.34	7.09	10.21	6.79	10.19	13.59
	90°	3.65	5.96	6.55	8.56	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

		Current (A)					
Performance Package	System Watts (W)	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	167W	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	2.01	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.

Performance Data

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.

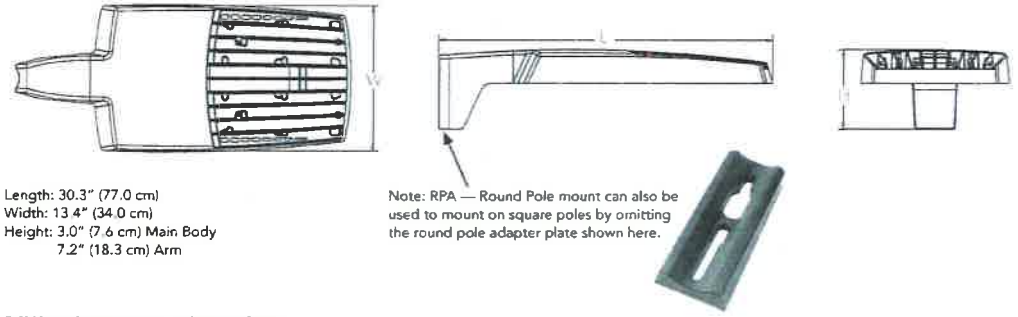
Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	71W	R2	10,040	2	0	1	139	11,031	2	0	1	153	11,031	2	0	1	153
		R3	10,005	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155
		R3S	10,271	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	9,775	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
		AFRU90	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	15,710	2	0	2	138	17,263	2	0	2	155	17,263	2	0	2	155
		R3	15,687	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	3	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	16,073	4	0	2	145	17,661	5	0	3	159	17,661	5	0	3	159
		R5S	16,522	4	0	2	149	18,150	4	0	2	163	18,150	4	0	2	163
		AFR	15,691	2	0	2	141	17,240	2	0	2	155	17,240	2	0	2	155
		AFRU90	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	19,835	3	0	2	132	21,814	3	0	2	145	21,814	3	0	2	145
		R3	19,765	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	19,826	3	0	2	135	21,785	3	0	2	148	21,785	3	0	2	148
		AFRU90	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	23,980	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
		AFRU90	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
		AFRU90	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
		AFRU90	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

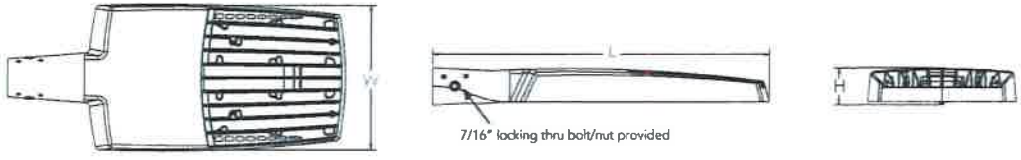
Mounting Configuration	Total Luminaire Weight
SPA	30 lbs
RPA	32 lbs
MA	30 lbs
WBA	33 lbs
WBASC	36 lbs
IS	33 lbs
AASP	33 lbs
AARP	35 lbs
AAWB	36 lbs
AAWSC	39 lbs

RSX2 with Round Pole Adapter (RPA)



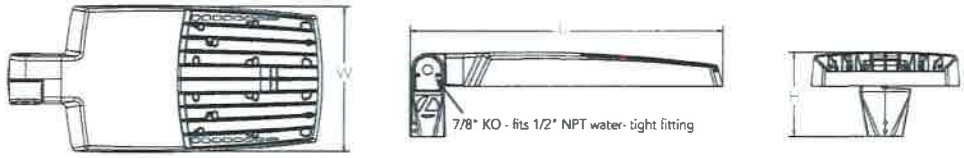
Length: 30.3" (77.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.3 cm) Arm

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

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

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

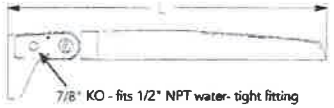
RSX2 with Wall Bracket with Surface Conduit Box (WBASC)

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)

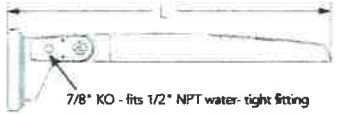


Length: 32.8" (83.3 cm) AASP
33.8" (85.9 cm) AARP
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm

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)

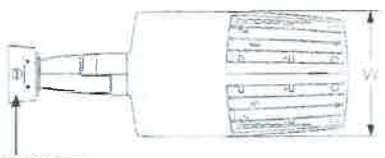


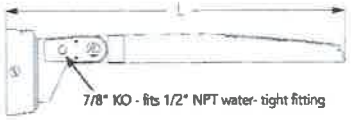
Length: 34.7" (88.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail

Dimensions

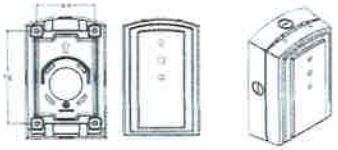
RSX2 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



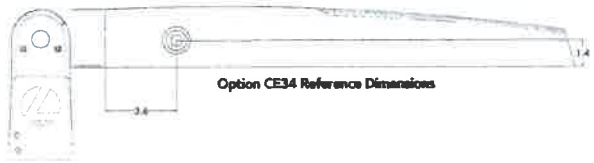


Length: 36.2" (91.9 cm)
Width: 13.4" (40.0 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

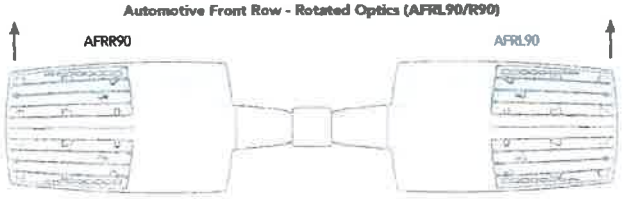


Additional Reference Drawings



Option CE34 Reference Dimensions

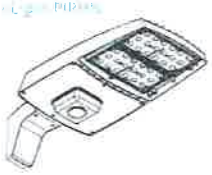
Automotive Front Row - Rotated Optics (AFRL90/R90)



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

nLight Control - Sensor Coverage and Settings

NLTAIR2 PIRHN nLight Sensor Coverage Pattern



Top

Side

Option	Powered 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 family 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 AFRL90.

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 >192/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10V dimming driver. 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 NVOLT 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 luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor override can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found

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 orienting 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 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. US Patent No. D862,146S.

BUY AMERICAN ACT
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to for additional information.

WARRANTY
5 year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

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.

WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic

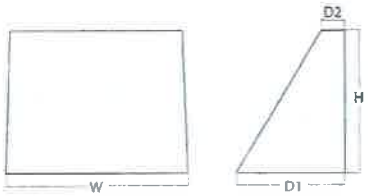
Catalog Number

Notes

Type

Specifications

Depth (D1): 7"
Depth (D2): 1 5"
Height: 9"
Width: 11 5"
Weight: (without options) 13 5 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

Luminaire	Optics	Standard (10, 5°C	Cold (0, -20°C	Sensor	Approximate Lumens (4000K, 80 CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		–	750	1,200	2,000	–	–	–	–
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	–	1,200	2,000	3,000	4,500	6,000	–
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	–	–
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	–	7,500	8,500	10,000	12,000	–	–
WDGE4 LED	Precision Refractive			Standalone / nLight	–	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0[1]	27K 2700K	70CRI[4]	TTS Type I Short	MVOLT	**Shipped included**
	P1[1]	30K 3000K	80CRI	T2M Type II Medium	347[5]	SRM Surface mounting bracket
	P2[1]	40K 4000K	LW[3] Limited Wavelength	T3M Type III Medium	480[5]	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[6]
	P3[1]	50K 5000K		T4M Type IV Medium		**Shipped separately**
	P4[1]	AMB[1] Amber		TFTM Forward Throw Medium		AWS 3/8 inch Architectural wall spacer
						PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available

Options		Finish	
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)	DDBXD	Dark bronze
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)	DBLXD	Black
PE[7]	Photocell, Button Type	DNAXD	Natural aluminum
DMG[8]	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DWHXD	White
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points	DSSXD	Sandstone
BAA	Buy America(n) Act Compliant	DDBTXD	Textured dark bronze
		DBLBXD	Textured black
		DNATXD	Textured natural aluminum
		DWHGXD	Textured white
		DSSTXD	Textured sandstone

Standalone Sensors/Controls

PIR 8-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.

PIRH 8-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.

PIR1FC3V 8-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation

PIRH1FC3V 8-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation

Networked Sensors/Controls

NLTAIR2 PIR nLight AIR wireless enabled 8-level motion/ambient sensor for 8-15' mounting heights.

NLTAIR2 PIRH nLight AIR wireless enabled 8-level motion/ambient sensor for 15-30' mounting heights

See page 4 for out of box functionality

One Lithonia Way • Conyers, Georgia 30012 • Phone 1-800-705-SERV (7378) •

Accessories

Ordered and shipped separately.

WDGEAW5 DDBXD	WDGE 3.5inch Architectural Wall Spacer (specify finish)
WDGE2PBBW DDBXD U	WDGE2 surface-mounted back box (specify finish)

NOTES

1. P0 option not available with sensors/controls
2. P1-P4 not available with AMB and LW
3. AMB and LW always go together
4. 70CRI only available with T3M and T4M
5. 347V and 480V not available with E10WH or E20WC
6. Not qualified for DLC. Not available with emergency battery backup or sensors/controls
7. PE not available in 480V or with sensors/controls
8. DMG option not available with sensors/controls

Performance Data

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	Dist. Type	2700K (27K), 80 CRI				3000K (30K), 80 CRI				4000K (40K), 80 CRI				5000K (50K), 80 CRI				Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	689	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	718	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	718	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	2700K (27K), 80 CRI				3000K (30K), 80 CRI				4000K (40K), 80 CRI				5000K (50K), 80 CRI			
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1
		T4M	1,253	114	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2

Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11)

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage
Tested in accordance with IESNA LM-79 and LM-80 standards

Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC - section 700.16, NFPA 101 Life Safety Code Section 7.9

Control / Sensor Options

Motion/Ambient Sensor (PIR_, PIRH_)

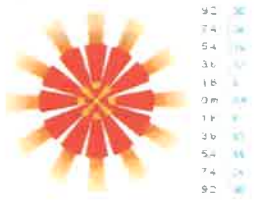
Motion/Ambeint sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

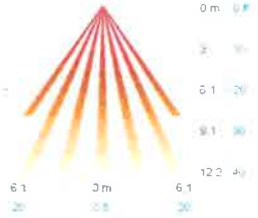
PIR

HIGH VIEW



PIRH

SIDE VIEW



TOP VIEW

Option	Description	High level (when occupied)	Photocell Operation	Motion Time Delay	Ramp down Time	Ramp up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

Mounting, Options & Accessories

Motion/Ambient Sensor

D = 7"

H = 9" (Standalone controls)
11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)

W = 11.5"

PBBW – Surface-Mounted Back Box
Use when there is no junction box available.

D = 1.75"

H = 9"

W = 11.5"

AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE
Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings

CONSTRUCTION
The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH
Exterior painted 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 a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10V dimmable driver.

INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. 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 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 2700K and 3000K color temperature only and SRM mounting only.

BUY AMERICAN ACT
Product with the BAA option is assembled in the USA and meets the Buy American) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to for additional information.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at

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.

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

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

INSTALLATION — Do not erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA

SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** SSS 20 5C DM19 DDBXD

SSS						
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness[2]**	**Mounting[3]**		**Options**	**Finish[14]**
SSS[1]	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") See technical information table for complete ordering information.)	**Tenon mounting** PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) **KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[4]** DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° **CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting[4]** DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° **RAD drill mounting[4,11]** DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° **ESX Drill mounting[4]** DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	**AERIS™ Suspend drill mounting[4,5]** DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° **OMERO™ Suspend drill mounting[4,5]** DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	**Shipped installed** VD Vibration damper[7] HAxy Horizontal arm bracket (1 fixture)[4,9] FDLxy Festoon outlet less electrical[4,10] CPL12/xy 1/2" coupling[8] CPL34/xy 3/4" coupling[8] CPL1/xy 1" coupling[8] NPL12/xy 1/2" threaded nipple[8] NPL34/xy 3/4" threaded nipple[8] NPL1/xy 1" threaded nipple[8] EHHxy Extra handhole[4,11] STLHHC Steel handhole cover (standard is plastic, finish is smooth) STLFBC2PC 2 Piece steel base cover (standard is plastic) AC Interior coating[13] L/AB Less anchor bolts (include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (includes NEC compliant cover) BAA Buy America(n) Act Compliant[12]	**Super durable paint colors** DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white **Other finishes** GALV Galvanized finish **Architectural colors and special finishes** Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:

1. Handhole covers (HHC), full base covers (FBC) and top caps (TC) shipped separately. No need to call out in nomenclature. For additional parts please order as replacements.
2. Wall thickness will be stipulated with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" = 0.120" | "G" = 0.179".
3. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
4. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
5. All RAD drilling's require a minimum top O.D. of 4".
6. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
7. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
   Example: Pole height is 25ft. A provision cannot be placed above 16ft.
8. Specify location and orientation when ordering option.
   For "x": Specify the height above the base of pole in feet or feet and inches, separate feet and inches with a "-".
   Example: *5ft = 5 and 20ft 3in = 20-3*
   For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 5'8", orientation C = CPL12/5-8C
9. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-1/8" O.D. If ordering two horizontal arms at the same height, specify with HAxyy. *Example: HA2080.*
10. **FDL does not come with GFCI outlet or handhole** cover. These must be supplied by contractor or electrician.
11. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
12. Provides enhanced corrosion resistance.
13. Use when mill certifications are required.
14. Finish must be specified. Additional colors available; see Architectural Colors brochure linked here (Form No. 794.3) Lead times may be extended up to 7 weeks due to paint procurement

Accessories: Order as separate catalog number.	
PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DM##AS drillings

SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft²) with 1.3 gust

Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in., x ft.)	Wall thick (in)	Gauge	EPA (ft²) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	8–9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	8–9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	8–9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	8–9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	8–9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	8–9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	8–9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	10–12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	10–12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	8–9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	8–9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	10–12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	10–12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	8–9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	–	–	10–12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	10–12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	11–13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	–	–	10–12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	11–13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	–	–	11–13	1 x 36 x 4	605

NOTE: * EPA values are based ASCE 7-93 wind maps. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in

TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013

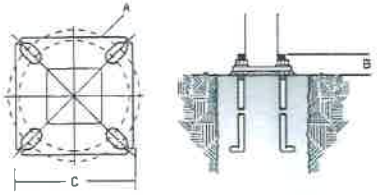
Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	300
SSS	16	4C	10.5	263	7.5	186	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	–	–	325
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	–	–	–	–	–	–	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25			205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	–	–	–	–	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	–	–	–	–	–	–	–	–	–	–	170
SSS	25	4G	5.5	138	3	75	1.5	38	–	–	–	–	–	–	–	–	245
SSS	25	5C	4.5	113	2	50	–	–	–	–	–	–	–	–	–	–	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	–	–	–	–	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25			445
SSS	30	4G	1.5	38	–	–	–	–	–	–	–	–	–	–	–	–	291
SSS	30	5C	–	–	–	–	–	–	–	–	–	–	–	–	–	–	265
SSS	30	5G	6.5	163	3.5	88	1	25	–	–	–	–	–	–	–	–	380
SSS	30	6G	11	275	6	150	2.5	63	–	–	–	–	–	–	–	–	520
SSS	35	5G	2	50	–	–	–	–	–	–	–	–	–	–	–	–	440
SSS	35	6G	4	100	–	–	–	–	–	–	–	–	–	–	–	–	540
SSS	39	6G	–	–	–	–	–	–	–	–	–	–	–	–	–	–	605

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under continental criteria (see table above).

*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in

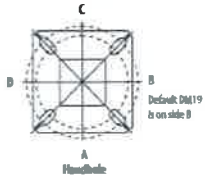
SSS Square Straight Steel Poles

BASE DETAIL



POLE DATA							
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE P3S0004	AB78-0	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE P3S0804	AB38-0	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE P3S0010	AB36-0	ABSSS-5
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE P3S0011	AB36-0	N/A

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

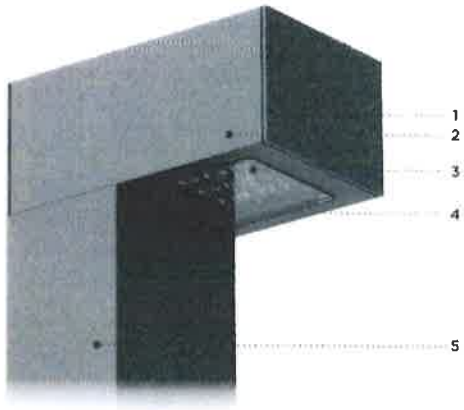
- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be **removed immediately upon delivery to prevent finish damage.**
- **Lithonia Lighting is not responsible for the foundation design.**
- **Bolt circles have +/- 1/2" tolerance.**

LUMINIS®

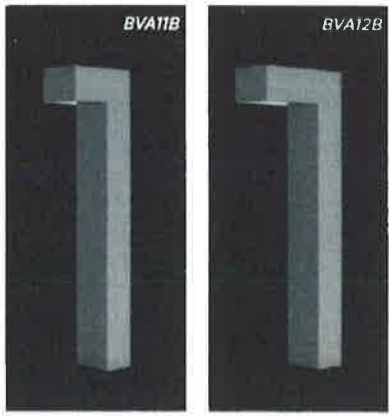
BVA11B/BVA12B SERIES
Bellevue
BOLLARD

TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:								
	MODEL	LED LIGHT SELECTION	CCT	VOLTAGE	FINISH	OPTION	OPTION	OPTION



1- Front cover constructed of corrosion resistant aluminum.
2- 4.5" (114mm) x 6" (152mm) Extruded aluminum optical chamber.
3- Available in configurations of 9 LEDs or 18 LEDs
4- Clear tempered glass.
5- 4.5" (114mm) x 6" (152mm) 6063-T6 aluminum pole. 0.125" wall thickness. All stainless steel hardware.



MATERIALS
Bellevue bollard is made of 6063-T6 extruded aluminum alloy
LED board is assembled on a thick extruded aluminum profile and protected by a clear tempered glass. The acrylic optics provide a wide range of IES type distribution. The driver is mounted inside the fixture which is accessible from the back of the fixture head for ease of maintenance.

ELECTRICAL
DRIVER Standard driver is 120-277V multi-volt compatibility (50-60Hz), 0-10V dimming-ready (dims to 10%). Optional 347/480V, operating temperatures of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery.

LED Type I, II, III, IV light distribution via high performance optical lenses. Offered in 2700K, 3000K, 3500K, 4000K / 80 CRI.

Optional true amber LED for turtle sensitive areas.

Wavelengths: 584.5nm to 597nm

LIFETIME
60,000hrs L70B50 (based on LM-80 report for lumen maintenance)

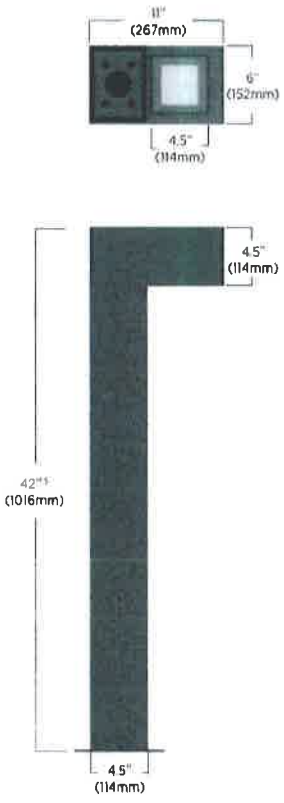
FINISH
Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION
Certified and Approved as per CSA C22.2 No. 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP65. Rated IK10.

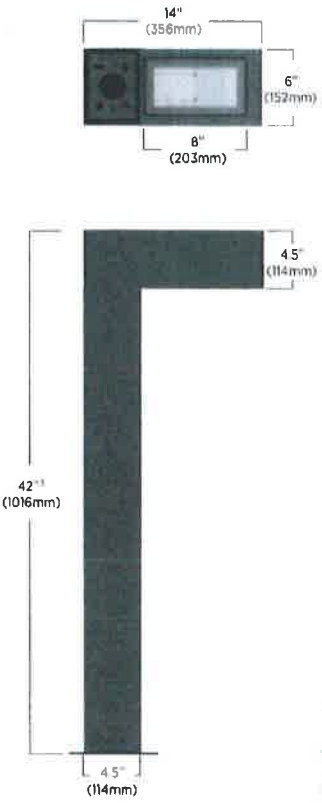
Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards.

MOUNTING
Maximum weight 25 lbs (11.3 kg)
Bellevue is designed for ease of access and installation.
The head is secured on a mounting bracket that is accessible from the inside. The base plate is secured with a set of (4) 3/8"-16 x 10" lg. galvanized hook anchor bolts.

BVA11B



BVA12B



LUMINAIRE SELECTION - BVA11B/BVA12B

❶ MODEL ❷ LED LIGHT SELECTION ❸ CCT [1]K LED ❹ VOLTAGE [1] ❺ FINISH

☐ BVA11B

WHITE LED SELECTION

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE I	☐ L1L10-TYP1	1205	11W
	☐ L1L16-TYP1	1846	19W
	☐ L1L24-TYP1	2635	30W
TYPE II	☐ L1L10-TYP2	1072	11W
	☐ L1L16-TYP2	1643	19W
	☐ L1L24-TYP2	2345	30W
TYPE III	☐ L1L10-TYP3	977	11W
	☐ L1L16-TYP3	1497	19W
	☐ L1L24-TYP3	2137	30W
TYPE IV	☐ L1L10-TYP4	904	11W
	☐ L1L16-TYP4	1384	19W
	☐ L1L24-TYP4	1976	30W

AMBER LED SELECTION - TURTLE FRIENDLY

TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE I	☐ L1LK2A-TYP1	349	8W
TYPE II	☐ L1LK2A-TYP2	311	8W
TYPE III	☐ L1LK2A-TYP3	283	8W
TYPE IV	☐ L1LK2A-TYP4	262	8W

TEMPERATURE*

☐ K27	2700K
☐ K30	3000K
☐ K35	3500K
☐ K40	4000K

STANDARD

- ☐ 120V
- ☐ 208V
- ☐ 240V
- ☐ 277V

OPTIONAL

- ☐ 347V
- ☐ 480V

STANDARD COLORS

☐ WHT	Snow white
☐ BKT	Jet black
☐ BZT	Bronze
☐ MST	Matte silver
☐ GRT	Titanium gray
☐ DGT	Gun metal
☐ CHT	Champagne
☐ SGT	Steel gray
☐ BGT	English cream

OPTIONAL COLORS

☐ CS	Custom color
☐ RAL	RAL# color

☐ BVA12B

WHITE LED SELECTION

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE I	☐ L2L26-TYP1	2957	29W
	☐ L2L34-TYP1	3692	38W
	☐ L2L40-TYP1	4248	46W
TYPE II	☐ L2L26-TYP2	2632	29W
	☐ L2L34-TYP2	3285	38W
	☐ L2L40-TYP2	3780	46W
TYPE III	☐ L2L26-TYP3	2398	29W
	☐ L2L34-TYP3	2994	38W
	☐ L2L40-TYP3	3445	46W
TYPE IV	☐ L2L26-TYP4	2218	29W
	☐ L2L34-TYP4	2769	38W
	☐ L2L40-TYP4	3186	46W

AMBER LED SELECTION - TURTLE FRIENDLY

TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE I	☐ L2LK2A-TYP1	698	16W
TYPE II	☐ L2LK2A-TYP2	621	16W
TYPE III	☐ L2LK2A-TYP3	566	16W
TYPE IV	☐ L2LK2A-TYP4	524	16W

For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

LUMINIS®

OPTIONS

PHOTOCELL
☐ PH Thermal button photocell mounted on top casted housing (as shown on image). Instant turn-on, standard 5-10 second turn-off time delay.

FUSE SAFETY
☐ FS Fuse

SURGE PROTECTOR
☐ SP 10kV surge protector

FAUX WOOD COLORS [4]

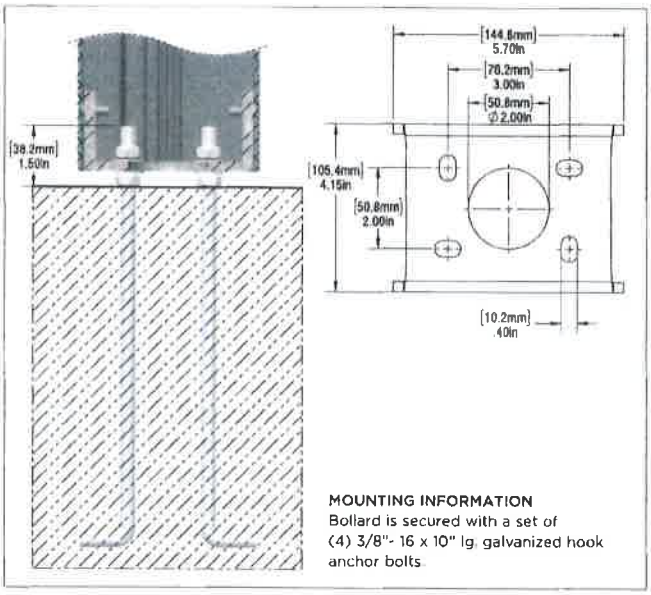
☐ ADG	American douglas	☐ MPL	Maple
☐ BRC	Birch	☐ OFL	Oak
☐ CHN	Chestnut	☐ RSW	Rosewood
☐ CRY	Cherry	☐ TEK	Teak
☐ KNP	Knotty pine	☐ WLN	Walnut

GROUND FAULT CIRCUIT INTERRUPTION [3]
☐ GFI Ground fault circuit interruption flush receptacle. Access door secured with torx screws.

ENVIRONMENT
☐ MG Marine grade paint [2]
☐ NT Natatorium (only available in WHT and BKT)

NOTES
1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number or consult factory
2- Marine grade paint for harsh, coastal environment and exposure to salt water. Longer lead time may apply please contact factory for info
3- GFI option are installed 27" above grade. GFI flush cover. GFI receptacle by others. 120V required for GFI
4- Faux wood finish not applied to the fixture head.
5- For additional height, contact factory. Longer lead time may apply

MOUNTING INFORMATION



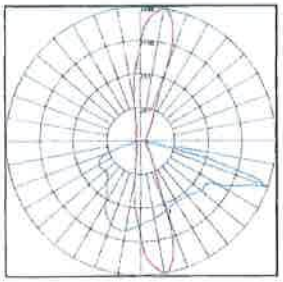
MOUNTING INFORMATION
Bollard is secured with a set of (4) 3/8"- 16 x 10" lg. galvanized hook anchor bolts.

OPTIONS DETAILS

PH
Button thermal photocontrol mounted on the top of the fixture as shown.

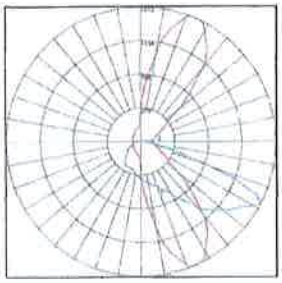
GFI
Ground fault circuit interruption flush receptacle

TYPICAL PHOTOMETRY SUMMARY



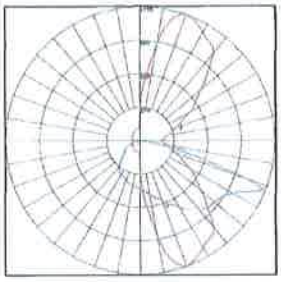
BVA11B-L1L24-TYP1

Delivered lumens : 2635 lumens
Power consumption 30.5W
Efficacy : 87 Lumens/Watt
Maximum Candela : 1466 @ 80°H/70°V
BUG : B1-U0-G1



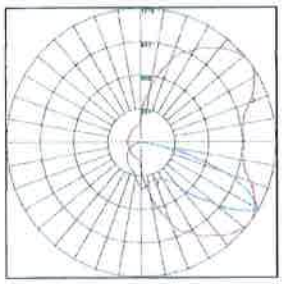
BVA11B-L1L24-TYP2

Delivered lumens : 2345 lumens
Power consumption 30.5W
Efficacy : 77 Lumens/Watt
Maximum Candela : 1195 @ 68°H/62°V
BUG : B1-U0-G0



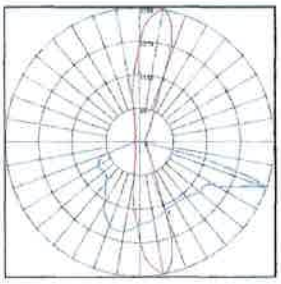
BVA11B-L1L24-TYP3

Delivered lumens : 2145 lumens
Power consumption 30.5W
Efficacy : 70 Lumens/Watt
Maximum Candela : 1195 @ 70°H/68°V
BUG : B1-U0-G0



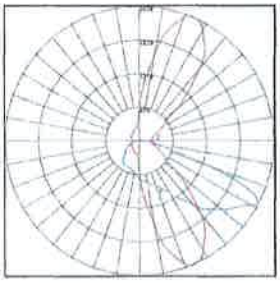
BVA11B-L1L24-TYP4

Delivered lumens : 1976 lumens
Power consumption 30.5W
Efficacy : 65 Lumens/Watt
Maximum Candela : 1216 @ 38°H/60°V
BUG : B1-U0-G1



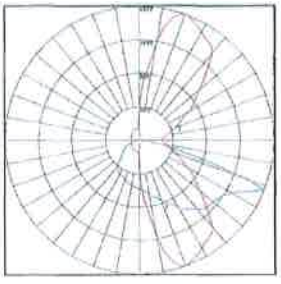
BVA12B-L2L40-TYP1

Delivered lumens : 4274 lumens
Power consumption 46.3W
Efficacy : 92 Lumens/Watt
Maximum Candela : 2364 @ 80°H/70°V
BUG : B2-U0-G1



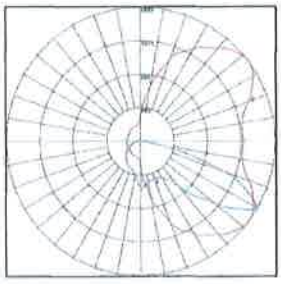
BVA12B-L2L40-TYP2

Delivered lumens : 3780 lumens
Power consumption 46.3W
Efficacy : 81 Lumens/Watt
Maximum Candela : 2438 @ 68°H/62°V
BUG : B1-U0-G1



BVA12B-L2L40-TYP3

Delivered lumens : 3445 lumens
Power consumption 46.3W
Efficacy : 75 Lumens/Watt
Maximum Candela : 1937 @ 70°H/68°V
BUG : B1-U0-G1



BVA12B-L2L40-TYP4

Delivered lumens : 3186 lumens
Power consumption 46.3W
Efficacy : 69 Lumens/Watt
Maximum Candela : 1961 @ 38°H/60°V
BUG : B1-U0-G1

LUMEN CONVERSION FACTOR (LCF)

CCT	LCF	CRI
2700K	0.91	80
3000K	0.94	80
3500K	0.98	80
4000K	1.00	80

LUMINIS.

520 Sentinel

Project: _____

Location: _____

Catalog Number	MODEL	WATTS	FINISH	OPTION(S)
Example: 520-1LED14-BLK-40K	520	-	-	-

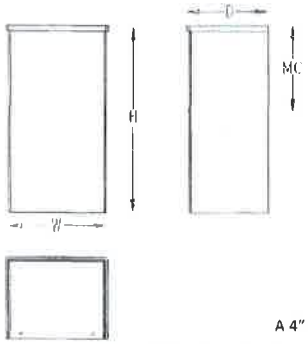
Small and compact, with a powerful downward punch of light and direct cutoff, the Sentinel is a very efficient luminaire. Utilizing an LED source, this product is perfect for porches and outdoor staircases as well as grazing desirable walls.

Features:

- Small compact fixture provides ample amount of downlight
- Brushed aluminum or painted finish
- Custom laser cut images available. Consult factory for pricing
- Bottom lens standard
- Compliant with all ADA requirements
- Standard 0-10V dimming driver. 120-277V MVOLT
- Listed and approved for wet locations
- Manufactured in the USA

Dimensions

Width	Height	Depth
5"	9"	4"



A 4" octagonal junction box should be used for installation

MC = Mounting Center, located at center of fixture unless noted otherwise

Ordering Information/Options

Model	Watts			Finishes		Options	
520	1LED9	1100 Lumens		WHT	White	PC	Photo Cell
	1LED14	1550 Lumens	MVOLT	BLK	Black	30K	3000 Kelvin Temperature
	1LED19	2000 Lumens		SAL	Silver	35K	3500 Kelvin Temperature
				BRZ	Bronze	40K	4000 Kelvin Temperature
				BA	Brushed Aluminum		

Indessa Lighting

PHONE: 509.924.0243 www.indessa.com

WET LOCATION ETL MADE IN USA ADA

VIA 4 SEAL

LUMENWERX

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS ST/DY
VIA WEATHER SERIES

Project:

Type:

DESCRIPTION

Sealed with silicone gaskets, Via Seal fixtures are intended for wet locations and can be pendant, surface, wall, or recessed mounted. They can act alone as discrete luminaires, or be arranged in continuous lines or patterns. Via 4 Seal is suitable for wet locations where temperatures are moderate and in which spaces are regularly wiped down and frequently in contact with debris and/or moisture. The fixture can be used to create continuous, unbroken lines of light. Via 4 Seal is also offered as Wet Listed certified by ETL (Electrical Testing Laboratories), in which case, it is able to withstand smaller particles of debris and light water infiltration. Via 4 Seal Wet Listed can also be used to create continuous lines of light, but with subtle breaks at 12-foot increments. See separate spec sheets for patterns and other available mountings.

SENSORS For latest information on sensors click

IMPORTANT Fixture must be installed with direct lens facing down

IK05

Up to 117 lm/W performance

Order Guide

V4SEALP

LUMINAIRE ID
V4SEALP - Via 4" Seal Pendant

DISTRIBUTION
D - Direct
DI[1] - Direct/Indirect

[1] Not available with WETL option

ENVIRONMENT [2]
WET[3] - Wet Suitable (IP44)
WETL[3,4] - Wet Listed (IP54)

[2] See page 4 for more information on each environment option
[3] Suitable for outdoor environments only when installed under canopy. Not suitable for extreme weather environments. Consult factory for low temperature applications
[4] Can be slightly exposed to water. A minimal shadow line visible at every 12'. Not available with Direct/Indirect

DIRECT OPTIC
EPDO - Environmentally Protected Direct Optic
ASDO - Asymmetric Soft Direct Optic

INDIRECT OPTIC
Specify NA for Direct fixture

EPIO - Environmentally Protected Indirect Optic
ASIO[5] - Asymmetric Soft Indirect Optic
WIO2[5] - Widespread Indirect Optic
NA - Not applicable

[5] Not available with BIOS

LIGHT SOURCE [6]
SW - Static white
BIOSST - Static biologically optimized lighting
BIOSDY - Dynamic biologically optimized lighting

[6] Chromawerx Sola and Duo also available. Consult other spec sheet

CRI
80 - 80 CRI
90[7] - 90 CRI

[7] Not available with BIOS

DIR. LUM. PACK
500 - Low output 500 lm/ft
750[8] - Medium output 750 lm/ft
1000[8] - High output 1000 lm/ft

[8] Not available with BIOS

INDIR. LUM. PACK
Specify NA for Direct fixture

500 - Low output 500 lm/ft
750[9] - Medium output 750 lm/ft
1000[9] - High output 1000 lm/ft
NA - Not applicable

[9] Not available with BIOS

COLOR TEMP.
27[10] - 2700K
30 - 3000K
35 - 3500K
40 - 4000K
50[10] - 5000K

[10] Not available with BIOS

LUMINAIRE LENGTH
#FT#IN[11,12] - Specify nominal length (#) in 1' and/or 1" increments

Standard nominal lengths:
Single units 2' - 12'
Continuous runs: lengths over 12'

[11] Minimum 3' for Direct/Indirect models
[12] With BIOSDY, specify in 2' increments only

VOLTAGE
120 - 120V
277 - 277V
UNV - 120V-277V
347[13] - 347V

[13] Available with D1 only

DRIVER [14]
D1 - 1% 0-10V
DA[15] - DALI
LTEA2W[16] - Lutron 1% - 2 wire FP 120V
LDE1[16] - Lutron Hi-lume 1% Eco
ELD1 - eldoLED 1% ECOdrive 0-10V
ELDO - eldoLED 0.1% SOLOdrive 0-10V
LTD10[17] - Low temperature 10% 0-10V

[14] PoE (Power over Ethernet) compatible. Consult factory for details
[15] On site commissioning is required
[16] Available with 120V only
[17] Suitable for temperatures down to -40°C/F

ELECTRICAL
1C - 1 circuit
2C[18] - 2 circuits
#MC[19] - Multi circuit
EC - Emergency-powered fixture
NL - Night light fixture
DL - Daylight fixture
GTD[20,21,22] - Generator transfer device fixture

[18] Available for Direct/Indirect only. Separate direct and indirect circuits
[19] Specify total number of circuits (#), including any circuits required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit
[20] Minimum 4' fixture
[21] Not available with 347V
[22] Not available for environments where the ambient temperature falls below 0°C (32°F)

ELECTRICAL SECTIONS (optional) [23,24]
#EC##[25] - Emergency-powered section
#NL##[25] - Night light section
#DL##[25] - Daylight section
#GTD##[25,26,27,28] - Generator transfer device section
#EMB[27,28,29] - Emergency battery
NA - None

[23] Specify with multi circuit (#MC) electrical option only
[24] Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'
[25] Specify quantity (#) and section length in inches (##)
[26] Minimum 4' section
[27] Not available with 347V
[28] Not available for environments where the ambient temperature falls below 0°C (32°F)
[29] Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section. For Direct/Indirect, minimum 8' fixture

POWER FEED
TF

TF - Top feed

MOUNTING [30]
STS - Stem, standard
STC( ) - Stem, custom

[30] See page 2 for ordering details

FINISH
W - Matte white
AL - Aluminum
WA - White antimicrobial Silverwerx
CF# - Custom finish, specify RAL#

OPTIONS
NATA - Natatorium finish
CRF - Corrosion resistant finish
NA - None

3737 Cote Vertu St-Laurent, Quebec, Canada H4R 2C9
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VIA4SEAL PENDANT SPEC REV3 - September 2, 2022

bios PoE WELL WELL

VIA 4 SEAL

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS ST/DY
VIA WEATHER SERIES

LUMENWERX

Pendant Mounting Code

Standard

For a standard mounting, please refer to the information below.

MOUNTING
STS - Stem, standard

Ø5" for power canopy
Ø5" for non-power
Canopies are white
Stem finish is the same color as fixture
Stem length is 18"
Stem is not field adjustable

Custom

Stem

For a custom mounting, specify the options in the parentheses

Example: STC(5NPC-36-W-STW-SLS)

MOUNTING
STC( )

	NON-POWER CANOPY SIZE	STEM LENGTH	CANOPY FINISH	STEM COLOR	OPTIONS
STC	**5NPC** - Ø5" non-power canopy	**18** - 18" **36** - 36" **#** [1] - Specify length in inches [1]Minimum length is 6". Maximum length is 72". Stem is not field adjustable.	**W** - White **AL** - Aluminum **B** - Black **CF#** - Custom finish, specify RAL#	**STW** - White **STAL** - Aluminum **STB** - Black **STCF#** - Custom finish, specify RAL#	**SLS** - Sloped ceiling for stem **NA** - None

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VIA4SEAL-PENDANT-SPEC-REV3 September 2, 2022

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VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

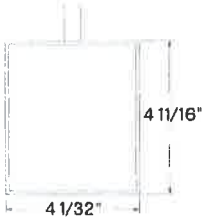
Section Views

DIRECT

EPDO

ASDO

DIRECT/INDIRECT



EPIO
EPDO

ASIO
EPDO

WIO2
EPDO

EPIO
ASDO

ASIO
ASDO

WIO2
ASDO

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VIA4SEAL-PENDANT-SPEC-REV3 September 2, 2022

VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

Environment Options

The Via Weather Series offers four levels of protective sealing. Level 1, Level 2, Level 3, and Level 4.
Via 4 Seal is available with two environment options: Wet Suitable (WET) at Level 1 and Wet Listed (WETL) at Level 2.
For other levels of protective sealing, please see Via Wet spec sheets for Level 3, and Via Splash spec sheets for Level 4.

FEATURES	1 Wet Suitable (IP44) (WET)	2 Wet Listed (IP54) (WETL)
Direct distribution	•	•
Direct/indirect distribution	•	x
Indoor application that requires wipe down	•	•
Healthcare application	•	•
Outdoor application with restrictions: under canopy only	•	•
Outdoor application with restrictions: under canopy, slightly exposed	x	•
Continuous line of light over 12 ft	•	x
Water and dust resistant	•	•
Water and dust protected	x	•
Not suitable for extreme weather applications	•	•
Damp listed	•	x
Wet listed	x	•

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VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

Photometrics

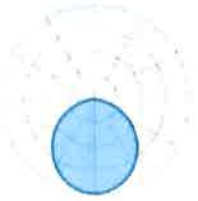
MULTIPLIER TABLE

Please follow the multiplier table to ensure correct lumen value CCT and CRI, will change the lumen output

Multiplier - CCT/CRI

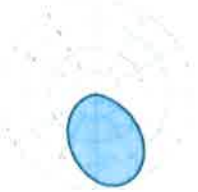
CCT (K)	WATTS		LPW	
	CRI 80	CRI 90	CRI 80	CRI 90
2700	1.06	1.27	0.94	0.79
3000	1.02	1.23	0.98	0.81
3500	1.00	1.19	1.00	0.84
4000	1.00	1.18	1.00	0.85
5000	0.95	1.12	1.05	0.89

DIRECT



EPDO - Delivered Lumens at 40K at 80 CRI

LUMENS PER FOOT	TOTAL LUMENS PER 4FT	INPUT WATTS	LPW
500	2000	19.8	101
750	3000	30.7	98
1000	4000	42.3	95



ASDO - Delivered Lumens at 40K at 80 CRI

LUMENS PER FOOT	TOTAL LUMENS PER 4FT	INPUT WATTS	LPW
500	2000	17.7	113
750	3000	27.9	107
1000	4000	39	103

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VIA4SEAL-PENDANT-SPEC-REV3 September 2 2022

bios POE WELL WELL

VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

Photometrics

DIRECT/INDIRECT - WITH EPDO

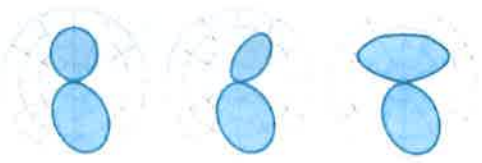
Delivered lumens at 40K at 80 CRI for all optics.

EPDO - EPIO EPDO - ASIO EPDO - WIO2

LM/FT D	LM/FT I	NOMINAL LM/4FT D	NOMINAL LM/4FT I	TOTAL LM/4FT	INPUT WATTS	LPW
EPDO	**EPIO**					
	500		2000	4000	40.4	99
500	750	2000	3000	5000	52.4	95
	1000		4000	6000	65.5	92
	500		2000	5000	51.3	97
750	750	3000	3000	6000	63.3	95
	1000		4000	7000	76.4	92
	500		2000	6000	62.9	95
1000	750	4000	3000	7000	74.9	93
	1000		4000	8000	88.0	91
EPDO	**ASIO**					
	500		2000	4000	36.7	109
500	750	2000	3000	5000	46.3	108
	1000		4000	6000	56.6	106
	500		2000	5000	47.6	105
750	750	3000	3000	6000	57.2	105
	1000		4000	7000	67.5	104
	500		2000	6000	59.2	101
1000	750	4000	3000	7000	68.8	102
	1000		4000	8000	79.1	101
EPDO	**WIO2**					
	500		2000	4000	36.4	110
500	750	2000	3000	5000	45.9	109
	1000		4000	6000	55.9	107
	500		2000	5000	47.3	106
750	750	3000	3000	6000	56.8	106
	1000		4000	7000	66.8	105
	500		2000	6000	58.9	102
1000	750	4000	3000	7000	68.4	102
	1000		4000	8000	78.4	102

DIRECT/INDIRECT - WITH ASDO

Delivered lumens at 40K at 80 CRI for all optics.



ASDO - EPIO ASDO - ASIO ASDO - WIO2

LM/FT D	LM/FT I	NOMINAL LM/4FT D	NOMINAL LM/4FT I	TOTAL LM/4FT	INPUT WATTS	LPW
ASDO	**EPIO**					
	500		2000	4000	38.3	104
500	750	2000	3000	5000	50.3	99
	1000		4000	6000	63.4	95
	500		2000	5000	48.5	103
750	750	3000	3000	6000	60.5	99
	1000		4000	7000	73.6	95
	500		2000	6000	59.6	101
1000	750	4000	3000	7000	71.6	98
	1000		4000	8000	84.7	94
ASDO	**ASIO**					
	500		2000	4000	34.6	116
500	750	2000	3000	5000	44.2	113
	1000		4000	6000	54.5	110
	500		2000	5000	44.8	112
750	750	3000	3000	6000	54.4	110
	1000		4000	7000	64.7	108
	500		2000	6000	55.9	107
1000	750	4000	3000	7000	65.5	107
	1000		4000	8000	75.8	106
ASDO	**WIO2**					
	500		2000	4000	34.3	117
500	750	2000	3000	5000	43.8	114
	1000		4000	6000	53.8	111
	500		2000	5000	44.5	112
750	750	3000	3000	6000	54.0	111
	1000		4000	7000	64.0	109
	500		2000	6000	55.6	108
1000	750	4000	3000	7000	65.1	108
	1000		4000	8000	75.1	106

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VIA 4 SEAL

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS ST/DY
VIA WEATHER SERIES

LUMENWERX

Technical Specifications

DIRECT OPTICS

Environmentally Protected Direct Optic (EPDO)
The Environmentally Protected Direct Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. This extruded snap-in lens has a gasket to ensure proper sealing. The lens is 1/16" thick and made of frosted polycarbonate. Internally, white, side kicking reflectors guide the light through the lens. The EPDO suits moderate climate environments.

Asymmetric Soft Direct Optic (ASDO)
The Asymmetric Soft Direct Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. This extruded snap-in lens has a gasket to ensure proper sealing. The lens is 1/16" thick and made of frosted polycarbonate. Internally, white, side kicking reflectors specifically angled to guide the light through the lens to create a nice asymmetric distribution. The ASDO suits moderate climate environments.

INDIRECT OPTICS

Environmentally Protected Indirect Optic (EPIO)
The Environmentally Protected Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of frosted polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The EPIO suits moderate climate environments.

Asymmetric Soft Indirect Optic (ASIO)
The Asymmetric Soft Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of clear polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The total internal reflection and surface scattering optic is specifically angled to guide the light through the lens to create a nice asymmetric distribution. The ASIO suits moderate climate environments.

Widespread Indirect Optic (WIO2)
The Widespread Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of clear polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The total internal reflection and surface scattering optic offers an impressive 160° spread. WIO2 creates an even illumination for smooth brightness on the ceiling that can achieve uniformity ratios of up to 2:1. The WIO2 suits moderate climate environments.

Uniformity (max/min)
Based on 18' continuous runs, in a 20' x 40' room, 10' wall height

Mounting height from ceiling	Spacing (Center to center)		
	8'	10'	12'
24"	3.0	5.5	8.0
36"	2.0	3.0	4.5
48"	2.0	2.0	3.5

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VIA4SEAL-PENDANT-SPEC-REV3 September 2, 2022

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VIA 4 SEAL

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

LUMENWERX

LIGHT SOURCE

Custom linear array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K, 4000K and 5000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance.

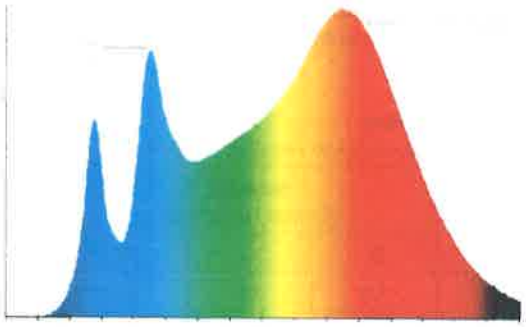
All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

bios ILLUMINATED

BIOS SkyBlue™ Technology is designed to provide the specific circadian stimulus to improve overall sleep quality, recovery during the night, and overall feelings of well-being.

The non-visual light signals that stimulate our circadian system have peak intensity in the "sky blue" region. As the diagram below illustrates, BIOS SkyBlue technology shifts the peak LED spectral intensity (490 nm) to align better with the peak response of circadian stimulus. Also note the enhanced deep-red (near 660 nm) spectrum.

BIOS 3500K



WELL for Light - The WELL building standard focuses on light quality in several features. There are three categories that are fully attributed to the construction and features of a luminaire. In WELL V1, it's Feature 54 Circadian Lighting, Feature 55 Glare Control, and Feature 58 Color Quality. In WELL V2, it's Feature L03 Circadian Lighting, Feature L04 Glare Control, and Feature L07 Electric Light Quality.

This fixture meets Features:
- Feature 54 or L03 when BIOS LED is selected
- Feature 55 or L04 meets WELL glare category (c-d) (not applicable with 1000 lm/ft)
- Feature 58 or L07 when 90 CRI is selected

All LED drivers used at Lumenwerx are deemed to have a low risk level of flicker, of 5 % or less below 90Hz operational as defined by IEEE standard 1789-2015 LED.

WELL for Mind -This luminaire meets WELL for mind as it is a human centric luminaire offering quality light, excellent color, and smooth optics. If any of these features are incorporated in a luminaire, it can improve the ability to focus, concentrate, and persist longer on a given task. This fixture harmoniously operates in a space to assist the mind.

For more information, please contact well@lumenwerx.com

LUMINAIRE LENGTH

Via 4 Seal is available in standard lengths of 2' to 12'. Continuous runs are available for run lengths over 12'. Exact run length must be noted in the product code. The minimum length is 2' for Direct fixtures, and 3' for Direct/Indirect fixtures. Lengths can be ordered in 1' and/or 1" increments. All individual sections are joined together onsite using the joiner kits provided. Lumenwerx joiner kits are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

WEEP HOLES

The Direct/Indirect fixtures with the Wet Suitable (WET) option feature a weep hole situated in the end cap. Water and moisture that enters the fixture will be expelled through this hole.

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VIA 4 SEAL

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS READY
VIA WEATHER SERIES

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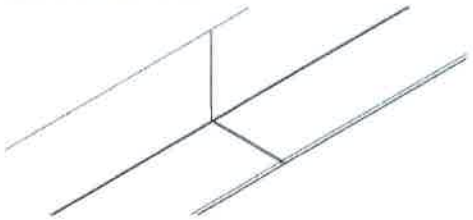
JOINING SYSTEM

All individual sections are joined together onsite using the ¼"-20 screws and nuts provided. With the Wet Suitable (WET) option, the junction between two adjacent sections creates a continuous line of light without shadows. With the Wet Listed (WETL) option, the junction between two adjacent sections is sealed with a silicone gasket, creating a slight visible break in the line of light every 12 ft.

Wet Suitable - WET



Continuous line of light

Wet Listed - WETL

Visible break in line of light

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume 1% (specify 2-wire, or Ecosystem Dim-to-Off), eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant. An optional low-temperature 10% 0-10V driver, suitable for temperatures down to -40°C/F is also available.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, Duo (tunable white), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

ELECTRICAL SECTION OPTIONS

Electrical section options are available for fixtures specified as multi circuit (#MC). With MC, specify the total number of circuits (#), including any circuits required for optional electrical sections. A drawing is required to specify the layout. Please consult factory for custom configurations.

Electrical sections

Options include emergency-powered light (#EC##), night light (#NL##), daylight (#DL##), and generator transfer device (#GTD##) sections. Specify the quantity (#), as well as the section length in inches (##).

Example 1: A 32' Direct fixture with two 8' emergency light sections on a second circuit.
Code: 2MC-2EC96

Example 2: A 16' Direct/Indirect fixture with separate circuits for direct and indirect, and with one 4' night light section on the direct side on a third circuit.
Code: 3MC-1NL48

Example 3: A 24' Direct fixture with one 4' generator transfer device section.
Code: 1MC-1GTD48

Battery

Each emergency battery (#EMB) powers a 4' section. All batteries will be on the same circuit. Specify the number of batteries (#) required.
Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours. Suited for ambient temperatures of 0°C (32°F) to 55°C (131°F).

Generator Transfer Device (GTD)

A UL924 listed shunt relay that can bypass both line voltage (120-277V) and 0-10V dimming signal. Suited for ambient temperatures of 0°C (32°F) to 60°C (140°F).

LUMINAIRE MAINTENANCE

LED arrays and drivers are accessible through the optical chamber and easily replaced.

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VIA 4 SEAL

LUMENWERX

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS ST/DY
VIA WEATHER SERIES

MOUNTING OPTIONS

Fixtures can be stem-mounted. Unless otherwise specified, Lumenwerx provides the following hardware:
Standard stem option (STS) - Canopies are white, Ø5" for both power and non-power. Stem finish is the same color as fixture. Stem length is 18". Stem is not field adjustable.
For all other options, see the mounting code on page 2.

FINISH

Interior - 95%, reflective matte powder coated white paint
Exterior - Powder-coat paint in matte white or aluminum. Custom finishes are also available. Optional antimicrobial finish

CONSTRUCTION

Housing - Extruded aluminum (0.095" nominal) up to 90% recycled content
Interior brackets - Die-formed cold rolled sheet steel 18 gauge thick
Joining system (WETL) - 16 gauge steel joiners and closed-cell silicone foam joiner gasket
Reflectors - Cold rolled steel 0.024" thick precisely die-formed, 95% reflective matte white painted
End cap - Die-cast aluminum (0.100" nominal)
End cap gasket - 1/16" closed-cell silicone foam

WEIGHT

Direct	Direct/Indirect
4ft - 15.0 lbs - 6.8 kg	**4ft** - 17.2 lbs - 7.8 kg
8ft - 27.6 lbs - 12.5 kg	**8ft** - 32.8 lbs - 14.9 kg
12ft - 40.1 lbs - 18.2 kg	**12ft** - 48.5 lbs - 22 kg

CERTIFICATIONS

ETL - WET environment option is rated for dry/damp locations. WETL environment option is ETL Wet Listed. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0. During the installation of WETL fixtures, the contractor is responsible for properly sealing all mounting and electrical connection points.
IK05 - Impact resistance rated to IK05.

WARRANTY

Lumenwerx provides a five-year limited warranty on electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

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VIA4SEAL-PENDANT-SPEC REV3 September 2, 2022

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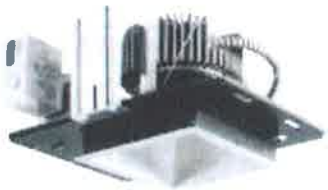
gotham | EVO

Multiple Layers of Light

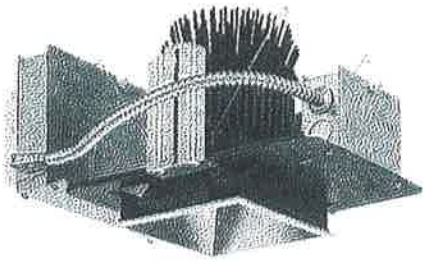
Luminaire Type:

Catalog Number:

General Illumination Square Downlight 6"



250 lumens - 4500 lumens



5000 lumens - 17500 lumens

OVERVIEW

Feature Set

- Bounding Ray™ optical design
- Unitized optics mechanically attach the light engine to the lower reflector for complete optical alignment.
- 45° cutoff to source and source image
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 MacAdam Ellipse; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling
- Available with 10% dimming, 1% dimming, or dim to dark
- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces
- ENERGY STAR® certified product
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. UGR FAQ

Distribution

Medium Wide (MWD)
1.0 S:MH

Superior Perfomance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000	6000	8000	10,000	12,000	15,000	17,500
Delivered Lumens	318	557	832	1067	1500	2153	2723	3302	3801	4322	4865	5588	6852	8696	11237	13093	16051	18806
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0	47.3	48.6	57.6	74.7	96.9	115.1	144.3	175.3
Lumens per Watt	93.5	89.8	101.5	111.1	102.0	109.3	110.2	111.9	112.5	110.8	102.9	115.0	119.0	116.4	116.0	113.8	111.2	107.3

*Lumen Output for 80CRI - 3500K CCT - Clear LSS Reflector
*Based on 3500K AR LSS MWD 80CRI

COMPLIMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light

General Illumination Layer | EVO

High Center Beam Layer | Incito

EVO + Incito — Multiple Layers of Light

Core

Healthcare

Special Applications

ORDERING INFORMATION

A+ Capable options indicated by this color background.

Luminaire Type:

Catalog Number:

EXAMPLE: EV06SQ 35/150 AR LSS MVOLT EZ1

Series	Color Temperature	Nominal Lumen Values		Reflector & Flange Color		Trim Style	
EV06SQ	27/ 2700 K	02 250 lumens	40 4000 lumens	AR	Clear	(blank)	Self-flanged
	30/ 3000 K	05 500 lumens	45 4500 lumens	PR	Pewter	FL	Flangeless
	35/ 3500 K	07 750 lumens	50 5000 lumens	WTR	Wheat		
	40/ 4000 K	10 1000 lumens	60 6000 lumens	GR	Gold		
	50/ 5000 K	15 1500 lumens	80 8000 lumens	WR[1]	White		
		20 2000 lumens	100 10000 lumens	BR[1]	Black		
		25 2500 lumens	120 12000 lumens	WRAMF[1]	White Anti-microbial		
		30 3000 lumens	150 15000 lumens	TRALTBD[1,2]	RAL paint for pricing only		
		35 3500 lumens	175 17500 lumens	TGPC	Custom paint color		

Finish	Voltage	Driver[4]	Control Interface
LSS Semi-specular	MVOLT	GZ10 0-10V driver dims to 10%	NLT[5] nLight® dimming pack controls
LD Matte-diffuse	120	GZ1 0-10V driver dims to 1%	NLTER[2,5,9] nLight® dimming pack controls emergency circuit
	277	EZ1 eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	NLTAIR2[13,14] nLight® AIR enabled
	347[2,3]	EZB eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	NLTAIRER2[2,9,13] nLight® AIR enabled emergency
		EDAB[5] eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.	NLTAIREM2[2,13] nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit with battery pack options.
		EDXB[5] eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Refer to DMXR. Manual Minimum 1000 lumens/Maximum 15000 lumens.	
		ECOD[5] Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black. Max: 4000LM.	

Emergency Option		Options	
EL	Emergency battery pack, 10W, with integral test switch	SF	Single fuse. Specify 120V or 277V.
ELR	Emergency battery pack, 10W, with remote test switch	TRW[7]	White painted flange
ELSD	Emergency battery pack, 10W, with self-diagnostics, integral test switch	TRBL[8]	Black painted flange
ELRSD	Emergency battery pack, 10W, with self-diagnostics, remote test switch	FRALTBD[7]	Flange ring only RAL color for pricing only
E10WCP	Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch	FCPC	Flange custom paint color
E10WCPR	Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch	N80[10]	nLight® Lumen Compensation
BGTD	Bodine generator transfer device. Specify 120V or 277V.	GTD	generator transfer device. Specify 120V or 277V
		90CRI	High CRI (90+)
		CP[11]	Chicago Plenum. Specify 120V or 277V for 5000lm and above.
		HAO[12]	HAO High ambient option (40°C)
		RRL_	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only with RRLA, RRLB, RRLAE, and RRLC12S. Refer to RRL spec sheet on www.acuitybrands.com for RELOC® product specifications. Above ceiling access required.

ACCESSORIES — order as separate catalog numbers (shipped separately)

ISD BC	0-10V wallbox dimmer. Refer to ISD-BC.

ORDERING NOTES

1. Not available with finishes.
2. Replace with applicable RAL number and finish when ready to order. See RAL BROCHURE for available color options. Not available with emergency battery pack options.
3. Not available with emergency Battery Pack options.
4. Supplied with factory installed step down transformer.
5. Refer to TECH-240 for compatible dimmers.
6. Not available with nLight®.
7. Specify voltage.
8. For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with WR (white reflector) or FL (flangeless) option.
9. For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with BR (black reflector) or FL (flangeless) option.
10. ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.
11. Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.
12. 12,000LM max with EL or nLight® options. 5,000LM max with Lutron drivers combined with EL. Not available with ELR, HAO, or EXAB, or any nLight® AIR dimming options.
13. Only available 5000LM - 15,000LM with eldoLED drivers.
14. Not available DALI or DMX drivers. Not available with CP or N80 options. Not recommended for metal ceiling installations.
15. When combined with the EZ1, EZ10, or EZB option, normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.

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SPECIFICATIONS

Optical Assembly
Optical design is a Bounding Ray™ design with 45° cutoff to source and source image. Top-down flash characteristic for superior glare control.
Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Electrical
The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.
The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.
Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.
Input wires shall be 18AWG, 300V minimum, solid copper.

Controls
Luminaire shall be equipped with interface for nLight wired or wireless network with integral power supply as per specification.

Dimming
The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.
eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.
Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction
Fully serviceable and upgradeable lensed LED light engine, both the driver and light engine are suitable for field maintenance and are serviceable from above or below the ceiling.
Luminaire housing shall be constructed of 16-gauge galvanized steel and have preinstalled telescopic mounting bars with maximum 32" and minimum 15" extension and 4" vertical adjustment.
High-impact polymer trim shall be constructed with a durable, vapor deposition finish.
Patented adjustable aperture allows ¼" adjustments in all directions and up to 5° of rotation for post-installation adjustment to ensure trim-to-trim alignment.
Injection molded mud ring included with flangeless trims. Ships separately. Installs independently of the mounting frame to reduce cracks in plaster due to vibration.
Luminaires shall be suitable for installation in ceilings up to 1½" thick.
Tool-less adjustments shall be possible after installation.
The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.
25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise). 40°C high ambient optional.

Listings
Fixtures are CSA Certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. Luminaire configurations are Energy Star certified through testing in EPA–recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed.

Photometrics
LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.
Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 60,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

BUY AMERICAN ACT
This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

Warranty
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/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.

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A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Partially finished mud ring, showing cross-section detail.

An EVO downlight requires only approximately 3" of plaster to finish.

EVO with flangeless trim

Flangeless Installation

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

The polymer mud ring is installed independent of the of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.

Tables of Use

Marked Spacing In Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
500-5000	None	None	None
6000	24	12	5
8000	36	18	11
10000			9
12000			
15000			
17500	72	36	

Marked Spacing In Inches 40°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
5000	24	12	5
6000			
8000	48	24	9
10000			
12000			
15000	72	36	9

Marked Spacing Chicago Plenum Open Frame in Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
250-5000	None	None	None
6000	24	12	5
8000	36	18	11
10000			9
12000			
15000			
17500	72	36	

Marked Spacing Chicago Plenum Enclosure in Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
250-6000	None	None	None
8000	36	18	6
10000	48	24	3
12000			

EVO - eldoLED Driver Default Dimming Curve			
Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ10	10%	Linear	Linear/Logarithmic
EZ1	1%	Linear	Linear/Logarithmic
EXA1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic	Linear
EXAB	<1%	Logarithmic	Linear
EDXB	<1%	Square	Linear

Driver		Control Provided (note: 347V/UVOLT versions provided with 347 option selected)			
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIRER2
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2

How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver. P = 10W for PS1055CP

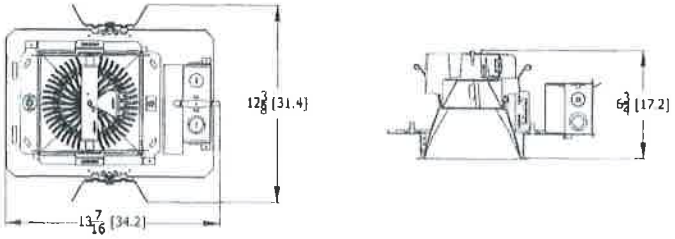
LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

DIMENSIONAL DATA

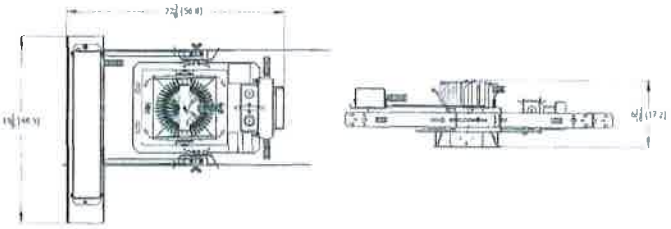
*Dimensions in inches [centimeters]

Aperture: 6" (15.2)	Ceiling Opening: 6-5/8" (16.8) self-flanged
Overlap trim: 7" (17.8) self-flanged	6-3/4" (17.1) flangeless

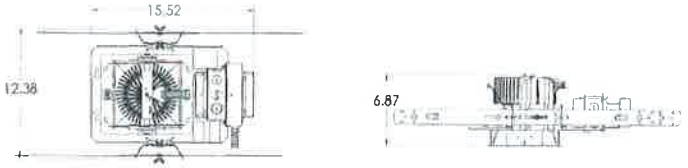
250LM-5000LM Standard



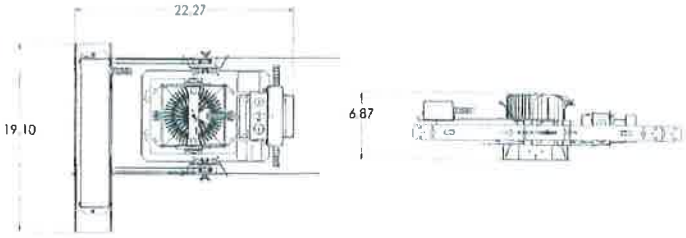
250LM-5000LM Battery Pack



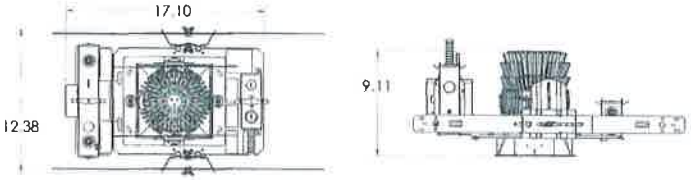
6000LM-8000LM Standard



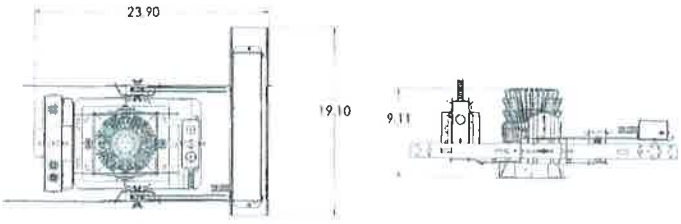
6000LM-8000LM Battery Pack



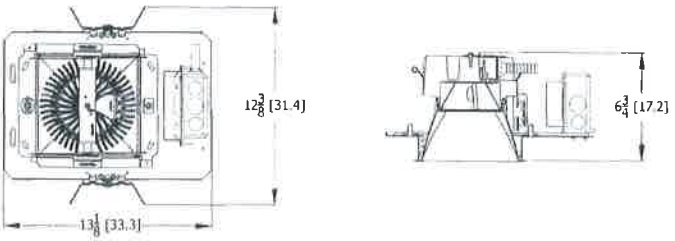
10,000LM-17,500LM Standard



10,000LM-17,500LM Battery Pack

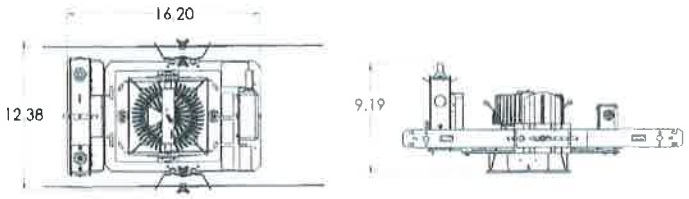


250-5000LM Open Frame CP

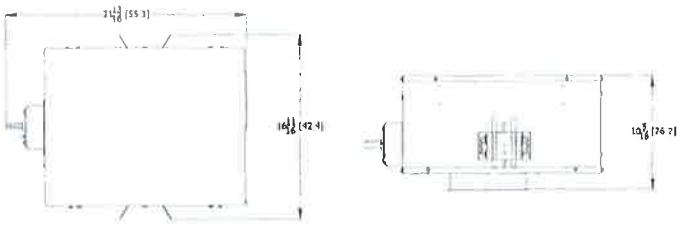


DIMENSIONAL DATA

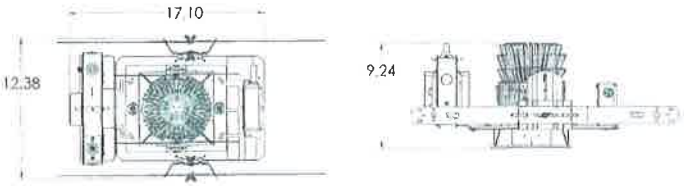
5000 (Lutron & POWER Drive Only) 6000 & 8000 (All) Square Downlight Open Frame CP



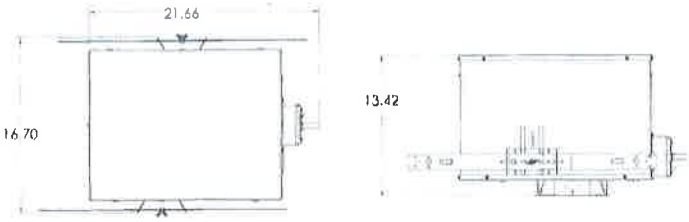
250LM-6000LM CP Enclosed with Battery Pack and/or nLight™ Only



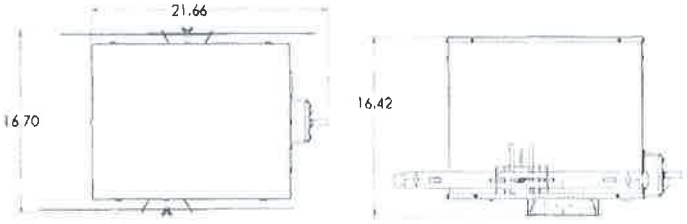
10,000-17,500 Lumen CP



8000 Lumen CP (With Battery Pack & nLight® Only)

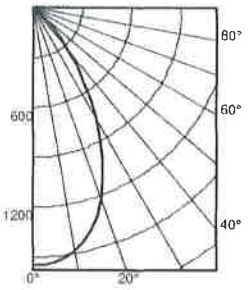


12000 & 10000 Lumen CP (With Battery Pack & nLight® Only)



Photometry

EV06SQ 35/15 AR LSS, INPUT WATTS: 14.7W, DELIVERED LUMENS: 1500LM, LPW = 102, TEST NO. LTL27900P105



	Ave	Lumens
0	1550	
5	1536	145
15	1385	385
25	1007	457
35	545	339
45	182	146
55	22	26
65	2	2
75	1	0
85	0	0
90	0	

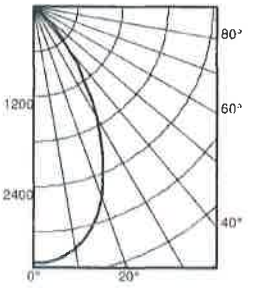
Zone	Lumens	% Lamp
0° - 30°	987.3	65.8
0° - 40°	1326.5	88.4
0° - 60°	1498.1	99.9
0° - 90°	1499.9	100.0
90° - 180°	0.0	0.0
0° - 180°	1499.9	*100.0

*Efficiency

pf / pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	108	106	104	104	102	101
2	103	98	95	101	97	94	98	94	92
3	95	90	86	94	89	85	91	87	84
4	89	83	79	87	82	78	85	81	77
5	83	77	72	82	76	72	80	75	71
6	77	71	67	76	71	66	75	70	66
7	72	66	62	72	66	62	70	65	61
8	68	62	57	67	61	57	66	61	57
9	64	58	54	63	58	54	62	57	53
10	60	54	50	60	54	50	59	54	50

		50% beam - 49.0°		10% beam - 79.9°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	51.2	5.0	25.6	9.2	5.1
10.0	27.5	6.8	13.8	12.6	2.8
12.0	17.2	8.7	8.6	15.9	1.7
14.0	11.7	10.5	5.9	19.3	1.2
16.0	8.5	12.3	4.3	22.6	0.9

EV06SQ 35/30 AR LSS, INPUT WATTS: 29.5W, DELIVERED LUMENS: 3302LM, LPW = 111.9, TEST NO. LTL27900P117



	Ave	Lumens
0	3411	
5	3381	319
15	3048	848
25	2216	1007
35	1200	747
45	400	322
55	49	56
65	3	3
75	2	1
85	0	0
90	0	

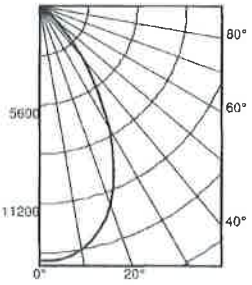
Zone	Lumens	% Lamp
0° - 30°	2173.4	65.8
0° - 40°	2920.1	88.4
0° - 60°	3297.9	99.9
0° - 90°	3301.9	100.0
90° - 180°	0.0	0.0
0° - 180°	3301.9	*100.0

*Efficiency

pf / pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	108	106	104	104	102	101
2	103	98	95	101	97	94	98	94	92
3	95	90	86	94	89	85	91	87	84
4	89	83	79	87	82	78	85	81	77
5	83	77	72	82	76	72	80	75	71
6	77	71	67	76	71	66	75	70	66
7	72	66	62	72	66	62	70	65	61
8	68	62	57	67	61	57	66	61	57
9	64	58	54	63	58	54	62	57	53
10	60	54	50	60	54	50	59	54	50

		50% beam - 49.0°		10% beam - 79.9°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	112.8	5.0	56.4	9.2	11.3
10.0	60.6	6.8	30.3	12.6	6.1
12.0	37.8	8.7	18.9	15.9	3.8
14.0	25.8	10.5	12.9	19.3	2.6
16.0	18.7	12.3	9.4	22.6	1.9

EV06SQ 35/150 AR LSS, INPUT WATTS: 144.3W, DELIVERED LUMENS: 15287LM, LPW = 105.9, TEST NO. ISF 34271P264



	Ave	Lumens
0	14459	
5	14385	1360
15	13192	3684
25	10152	4608
35	5810	3612
45	2108	1670
55	295	325
65	18	17
75	5	5
85	13	7
90	0	

Zone	Lumens	% Lamp
0° - 30°	9651.2	63.1
0° - 40°	13263.1	86.8
0° - 60°	15257.8	99.8
0° - 90°	15286.9	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	15286.9	*100.0

*Efficiency

pf / pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	110	108	105	108	106	104	104	102	101
2	102	98	94	100	97	93	97	94	91
3	95	89	85	93	88	84	91	86	83
4	88	82	78	87	81	77	84	80	76
5	82	76	71	81	75	71	79	74	70
6	76	70	65	75	69	65	74	69	65
7	71	65	60	71	64	60	69	64	60
8	67	60	56	66	60	56	65	60	56
9	63	56	52	62	56	52	61	56	52
10	59	53	49	58	53	49	58	52	49

		50% beam - 51.3°		10% beam - 82.2°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	478.0	5.3	239.0	9.6	47.8
10.0	257.0	7.2	128.5	13.1	25.7
12.0	160.2	9.1	80.1	16.6	16.0
14.0	109.3	11.1	54.7	20.1	10.9
16.0	79.3	13.0	39.7	23.5	7.9

Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.96
	3000K	1.00
	3500K	1.00
	4000K	1.01
	5000K	1.07
90	2700K	0.80
	3000K	0.83
	3500K	0.85
	4000K	0.87
	5000K	0.91

Reflector Finish Multiplier	
Reflector Finish	Multiplier
LS - Specular	1
LSS - Semi Specular	0.956
WR - White	0.87
LD - Matte Diffuse	0.85
BR - Black	0.73

gotham

NLIGHT AIR

nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

nLight® AIR Control Accessories *Order as separate catalog number. Visit nLight AIR*	
Wall Switches	**Model Number**
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

nLight® AIR Control Accessories *(cont.)*	
Occupancy Sensors (PIR/dual tech)	**Model Number**
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

NLIGHT

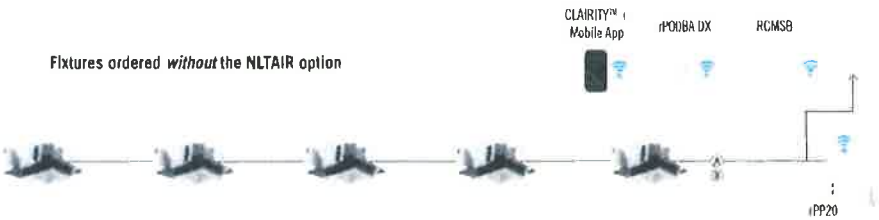
nLight® The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

nLight® Wired Control Accessories *Order as separate catalog number. Visit nLight*	
Wall Switches	**Model Number**
On/Off single pole	nPODM (color)
On/Off two pole	nPODM 2P (color)
On/Off & raise/lower single pole	nPOD DX (color)
On/Off & raise/lower two pole	nPODM 2P DX (color)
Graphic touchscreen	nPOD GFX (color)
Photocell Controls	
Dimming	nCM ADCX

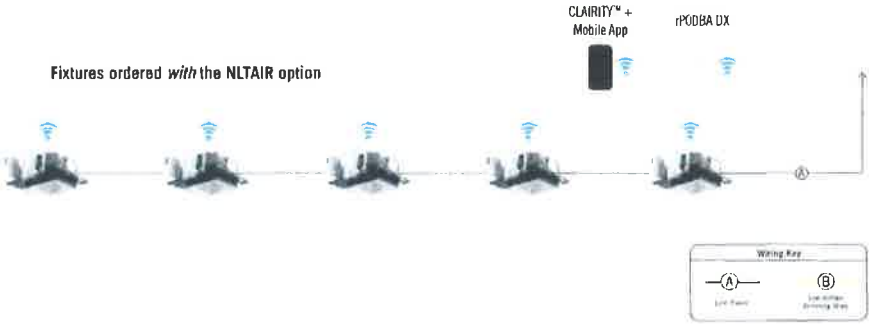
nLight® Wired Control Accessories *(cont.)*	
Occupancy Sensors (PIR/dual tech)	**Model Number**
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX
Cat-5 Cables (plenum rated)	
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

Possibilites for nLight® AIR

Fixtures ordered *without* the NLTAIR option



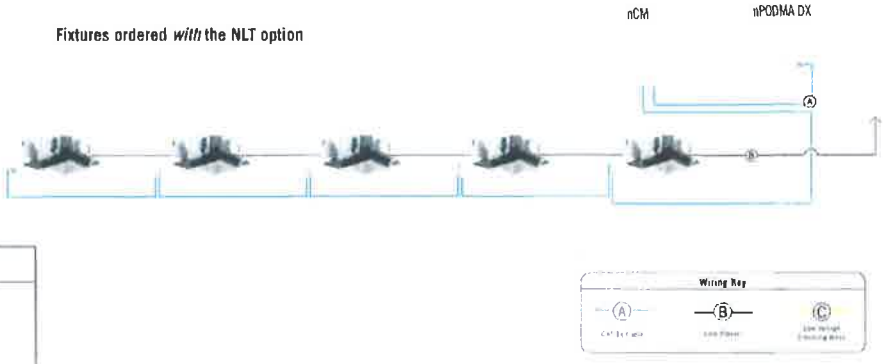
Fixtures ordered *with* the NLTAIR option



Possibilites for nLight® wired

Fixtures ordered *without* the NLT option

Fixtures ordered *with* the NLT option



Tory Schulz

From: Thomas R. Perez, PE <tperez@kapurinc.com>
Sent: Tuesday, May 23, 2023 2:02 PM
To: Tory Schulz; Ryan Birschbach, PE
Subject: FW: [EXT] Bayside Middle School Rain Garden

Tory please forward to Jordan as confirmation MMSD is on board with modifying the GI.

Thomas R. Perez, PE
M: 414.254.8384
O: 414.751.7224

From: Kaminski, Andy <AKaminski@mmsd.com>
Sent: Tuesday, May 23, 2023 1:59 PM
To: Thomas R. Perez, PE <tperez@kapurinc.com>
Cc: Ryan Birschbach, PE <rBirschbach@kapurinc.com>; Nick Tennessen <ntennessen@kapurinc.com>
Subject: RE: [EXT] Bayside Middle School Rain Garden

Tom,

What you summarized is accurate. We would like to update the description of the GI and its retention capacity and extend the date 10 years from when the new GI is complete.

Thanks,

Andy

From: Thomas R. Perez, PE <tperez@kapurinc.com>
Sent: Tuesday, May 23, 2023 12:21 PM
To: Kaminski, Andy <AKaminski@mmsd.com>
Cc: Ryan Birschbach, PE <rBirschbach@kapurinc.com>; Nick Tennessen <ntennessen@kapurinc.com>
Subject: [EXT] Bayside Middle School Rain Garden

Hi Andy……I am following up on our conversation regarding the GI improvements in the Village of Bayside. As we discussed, a new middle school is being designed for the site directly east of the GI. For safety of operations, we are separating the bus and parent vehicles on the site. The buses will que along King Road and the parents will que on the east side of the site. As part of the bus queuing lane, we will be disturbing the GI that was installed in 2020. I have attached the GI Maintenance doc to this email.

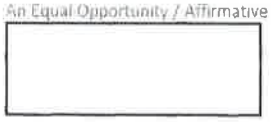
Per our discussion, you had mentioned that as long as we replace the existing GI volumes within our project site, that MMSD would be ok with this. When we have the design options ready, we will run everything past you for your approval.

We are on the agenda for the Architectural review Committee (ARC) coming up in a few weeks. One thing the Village was asking for as part of that submittal was correspondence from MMSD that you were in agreement with the revisions conditional on your approval.

Can you reply to this email and let me know if my comments above are accurate or if there is anything you would like to add.

Thanks!
Tom

Thomas R. Perez, PE
Principal / Site Development Manager
400 E Wisconsin Avenue, Milwaukee, Wisconsin 53202
m: 414.254.8384 **o:** 414.751.7224 **kapurinc.com**
An Equal Opportunity / Affirmative Action Employer



#1 Company in the Extra-Large Category. Read more here.

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

Proposed Project Details (type of work, size, materials, location, etc.):

This package includes information into traffic considerations for new site layout. This package also includes requested post signage and parking signage on-site and off-site as per coordination with the Village staff. Setback calculation and impervious calculations are included. Through coordinating with the Village in adding another entrance lane and shifting the bus lane out of the ROW the impervious surface is higher than the target, however in speaking with the Village and engineers the approach we've coordinated is acceptable.

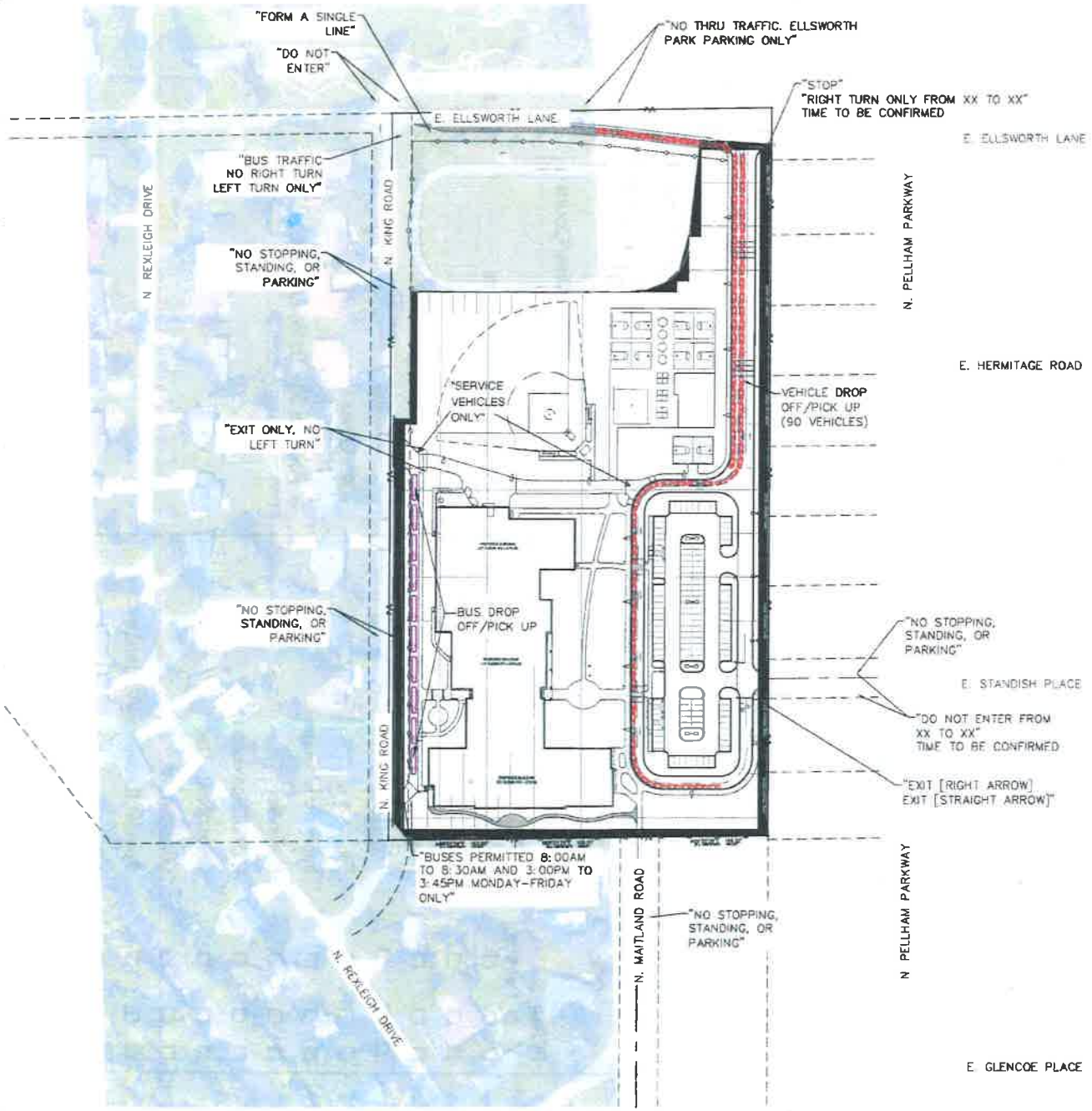
- ☒ ARC Agenda Date: 06/19/2023
- ☒ Parcel Number: 0219983000
- ☐ Color photographs showing project location, elevations, and surround views.
- ☐ Complete digital set of building plans (including elevations and grading).
- ☐ Samples or brochures showing materials, colors, and designs.
- ☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

- ☐ Accessory Structures/Generators
- ☐ Additions/Remodel
- ☐ Commercial Signage
- ☐ Decks/Patios
- ☐ Fence
- ☐ Fire Pits
- ☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit
- ☐ New Construction
- ☐ Play Structures
- ☐ Recreational Facilities/Courts
- ☐ Roofs
- ☐ Solar Panels/Skylights
- ☐ Swimming Pools
- ☐ Windows/Doors – change exceeds 25% of opening
- ☒ Other

Package 06 - Traffic Analysis



DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

eua

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/19/2025	ARC SUBMISSION

KEY PLAN

kapur

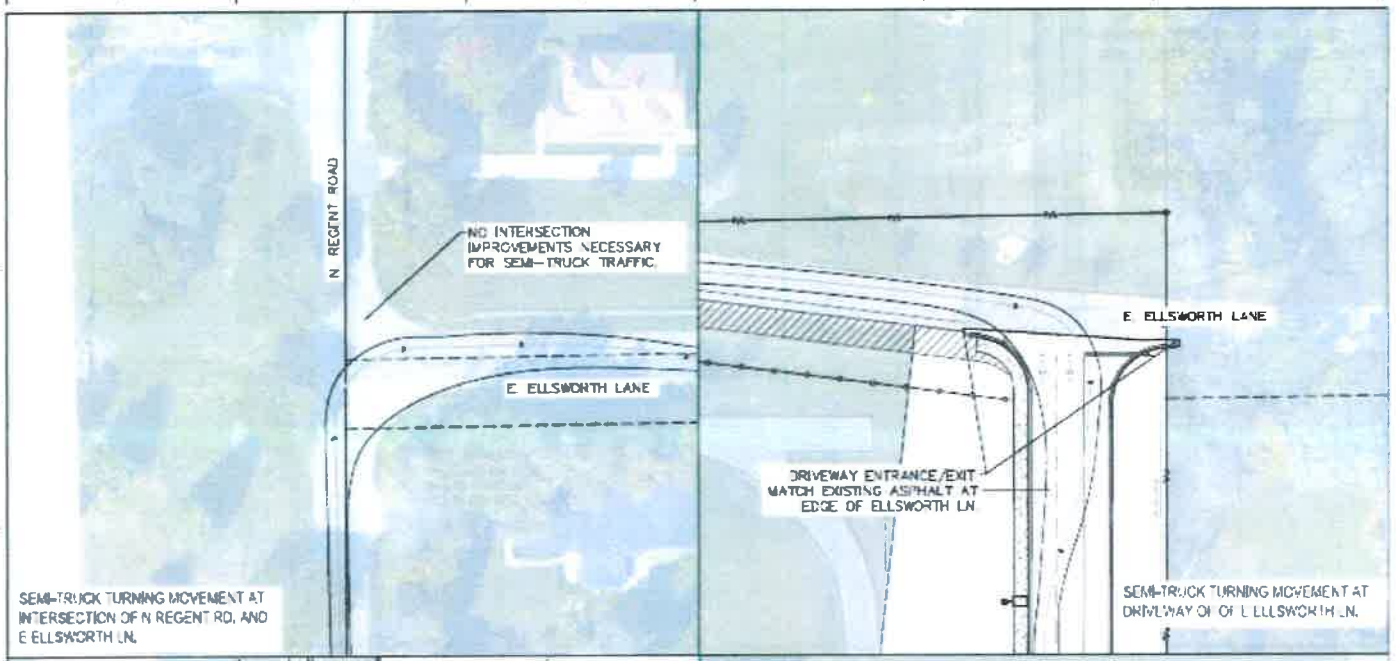
7721 N. Port Washington Road
Milwaukee, Wisconsin 53217
kapurinc.com

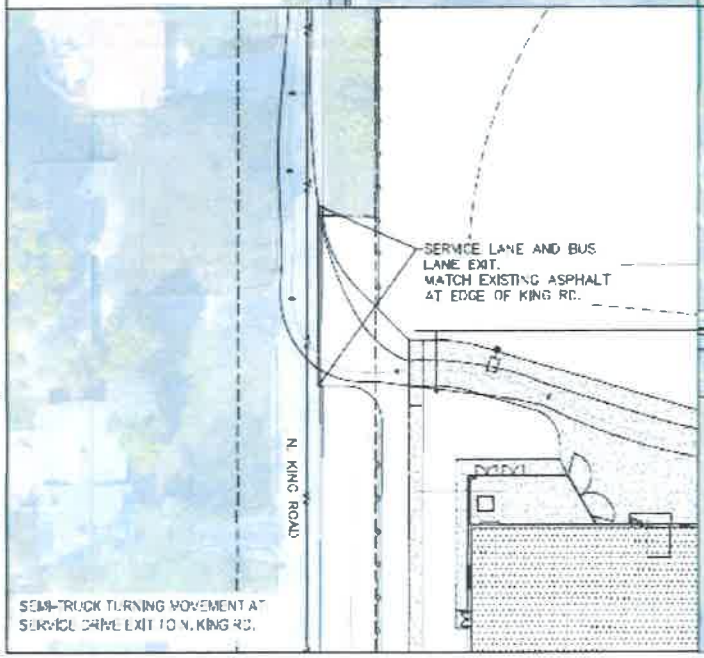
SHEET INFORMATION

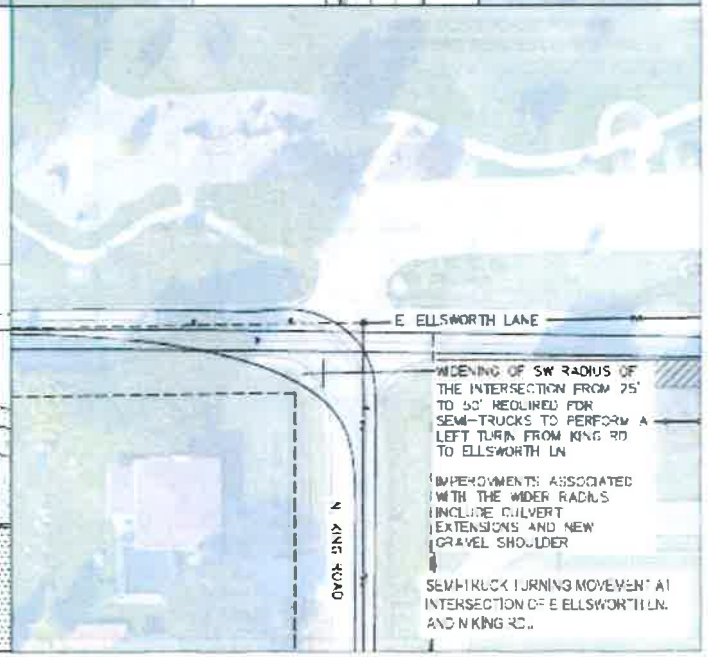
PROJECT MANAGER TS
PROJECT NUMBER 10014-02

TRAFFIC ANALYSIS

6







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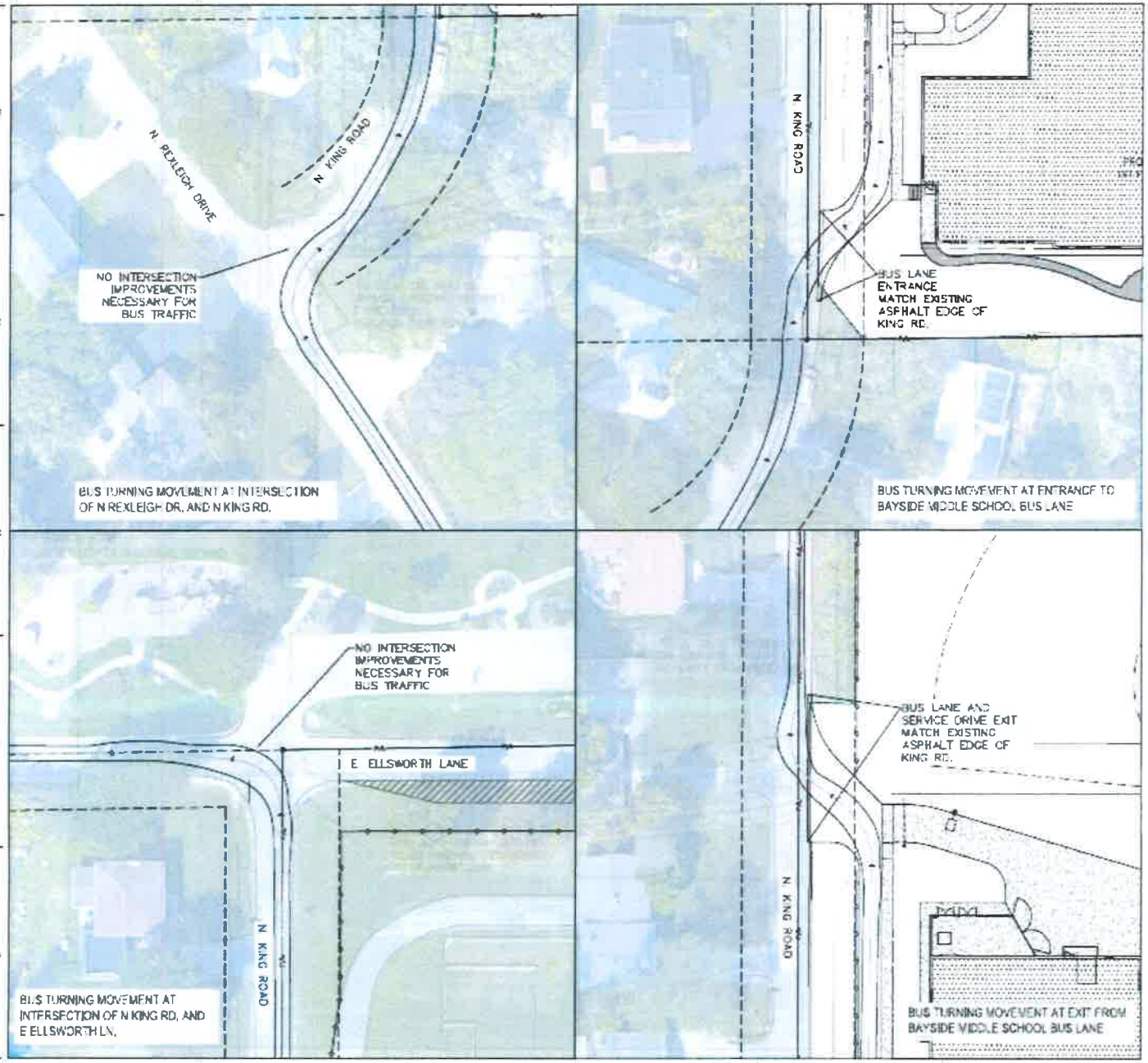
BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN BAYSIDE WI 53217

kapur

SEMI-TRUCK TURNING MOVEMENTS

6B



DIGGERS HOTLINE
Dial 811 or 1(800)242-8511

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BAYSIDE MIDDLE SCHOOL

80th E ELLSWORTH LN, BAYSIDE, WI 53217

kapur

BUS TURNING MOVEMENTS

6A

Tory Schulz

From: Thomas R. Perez, PE <tperez@kapurinc.com>
Sent: Tuesday, May 23, 2023 2:02 PM
To: Tory Schulz; Ryan Birschbach, PE
Subject: FW: [EXT] Bayside Middle School Rain Garden

Tory please forward to Jordan as confirmation MMSD is on board with modifying the GI.

Thomas R. Perez, PE
M: 414 254 8384
O: 414.751 7224

From: Kaminski, Andy <AKaminski@mmsd.com>
Sent: Tuesday, May 23, 2023 1:59 PM
To: Thomas R. Perez, PE <tperez@kapurinc.com>
Cc: Ryan Birschbach, PE <rBirschbach@kapurinc.com>; Nick Tennessen <ntennessen@kapurinc.com>
Subject: RE: [EXT] Bayside Middle School Rain Garden

Tom,

What you summarized is accurate. We would like to update the description of the GI and its retention capacity and extend the date 10 years from when the new GI is complete.

Thanks,

Andy

From: Thomas R. Perez, PE <tperez@kapurinc.com>
Sent: Tuesday, May 23, 2023 12:21 PM
To: Kaminski, Andy <AKaminski@mmsd.com>
Cc: Ryan Birschbach, PE <rBirschbach@kapurinc.com>; Nick Tennessen <ntennessen@kapurinc.com>
Subject: [EXT] Bayside Middle School Rain Garden

Hi Andy……I am following up on our conversation regarding the GI improvements in the Village of Bayside. As we discussed, a new middle school is being designed for the site directly east of the GI. For safety of operations, we are separating the bus and parent vehicles on the site. The buses will que along King Road and the parents will que on the east side of the site. As part of the bus queuing lane, we will be disturbing the GI that was installed in 2020. I have attached the GI Maintenance doc to this email.

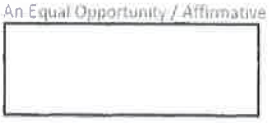
Per our discussion, you had mentioned that as long as we replace the existing GI volumes within our project site, that MMSD would be ok with this. When we have the design options ready, we will run everything past you for your approval.

We are on the agenda for the Architectural review Committee (ARC) coming up in a few weeks. One thing the Village was asking for as part of that submittal was correspondence from MMSD that you were in agreement with the revisions conditional on your approval.

Can you reply to this email and let me know if my comments above are accurate or if there is anything you would like to add.

Thanks!
Tom

Thomas R. Perez, PE
Principal / Site Development Manager
400 E Wisconsin Avenue, Milwaukee, Wisconsin 53202
m: 414 254 8384 **o:** 414 751 7224 **kapurinc.com**
An Equal Opportunity / Affirmative Action Employer



#1 Company in the Extra-Large Category. Read more here.

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

Proposed Project Details (type of work, size, materials, location, etc.):

Landscape Plan: Privacy fencing along the south property line, Site access fencing along King and Ellsworth, Traffic signage around the site and extending into the surrounding neighborhood, Safety fencing along the bus drop off lane, Landscape screening along the bus lane. Landscaping plans include exact locations, sizes, and species as well as fencing with images/samples.

☒ ARC Agenda Date: 06/19/2023

☒ Parcel Number: 0219983000

☐ Color photographs showing project location, elevations, and surround views.

☐ Complete digital set of building plans (including elevations and grading).

☐ Samples or brochures showing materials, colors, and designs.

☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

☐ Accessory Structures/Generators

☐ Additions/Remodel

☐ Commercial Signage

☐ Decks/Patios

☐ Fence

☐ Fire Pits

☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit

☐ New Construction

☐ Play Structures

☐ Recreational Facilities/Courts

☐ Roofs

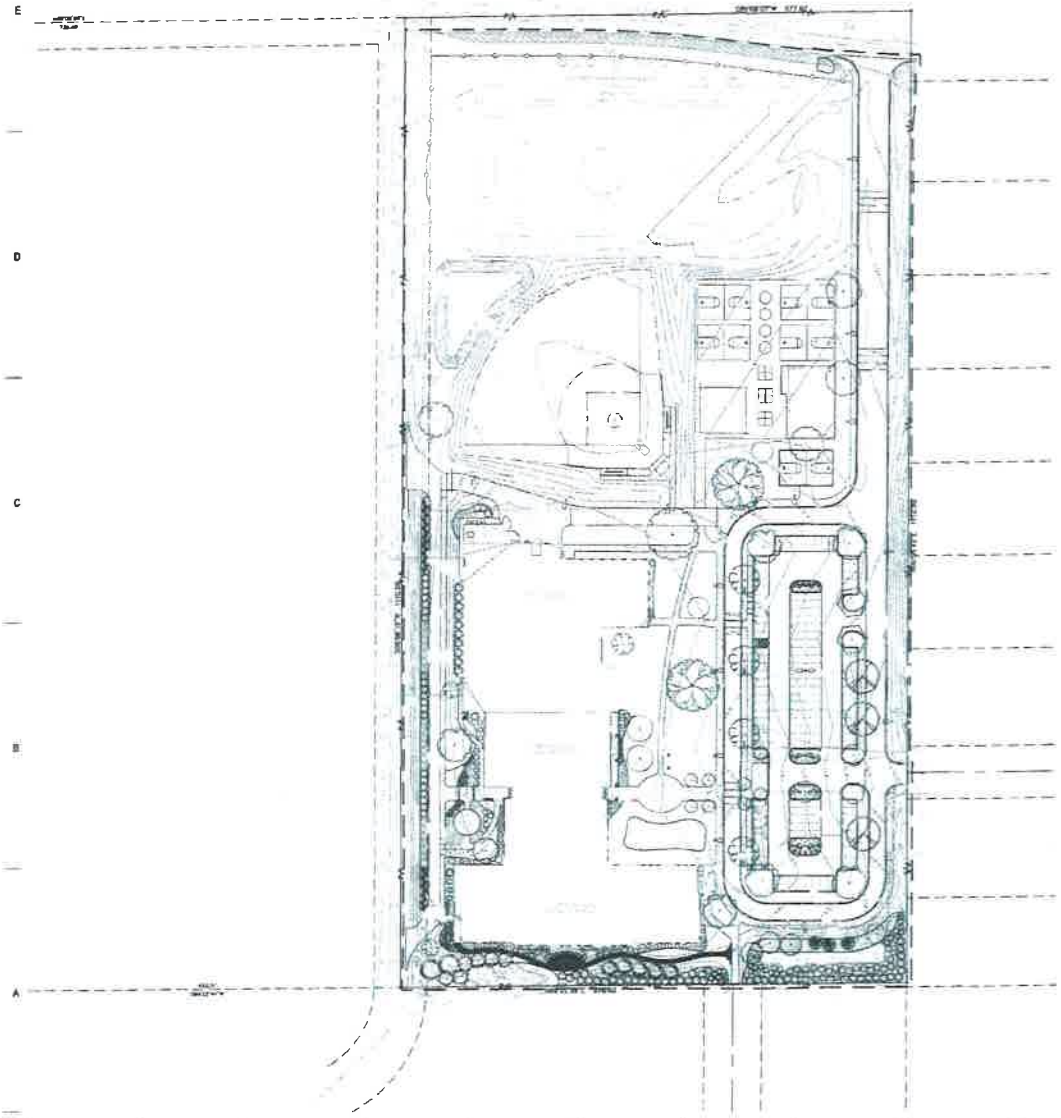
☐ Solar Panels/Skylights

☐ Swimming Pools

☐ Windows/Doors – change exceeds 25% of opening

☒ Other

Package 03 - Landscaping Plan



Scale

Scale 1" = 50'

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www.DiggersHotline.com

HATCH LEGEND

eua

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION

KEY PLAN

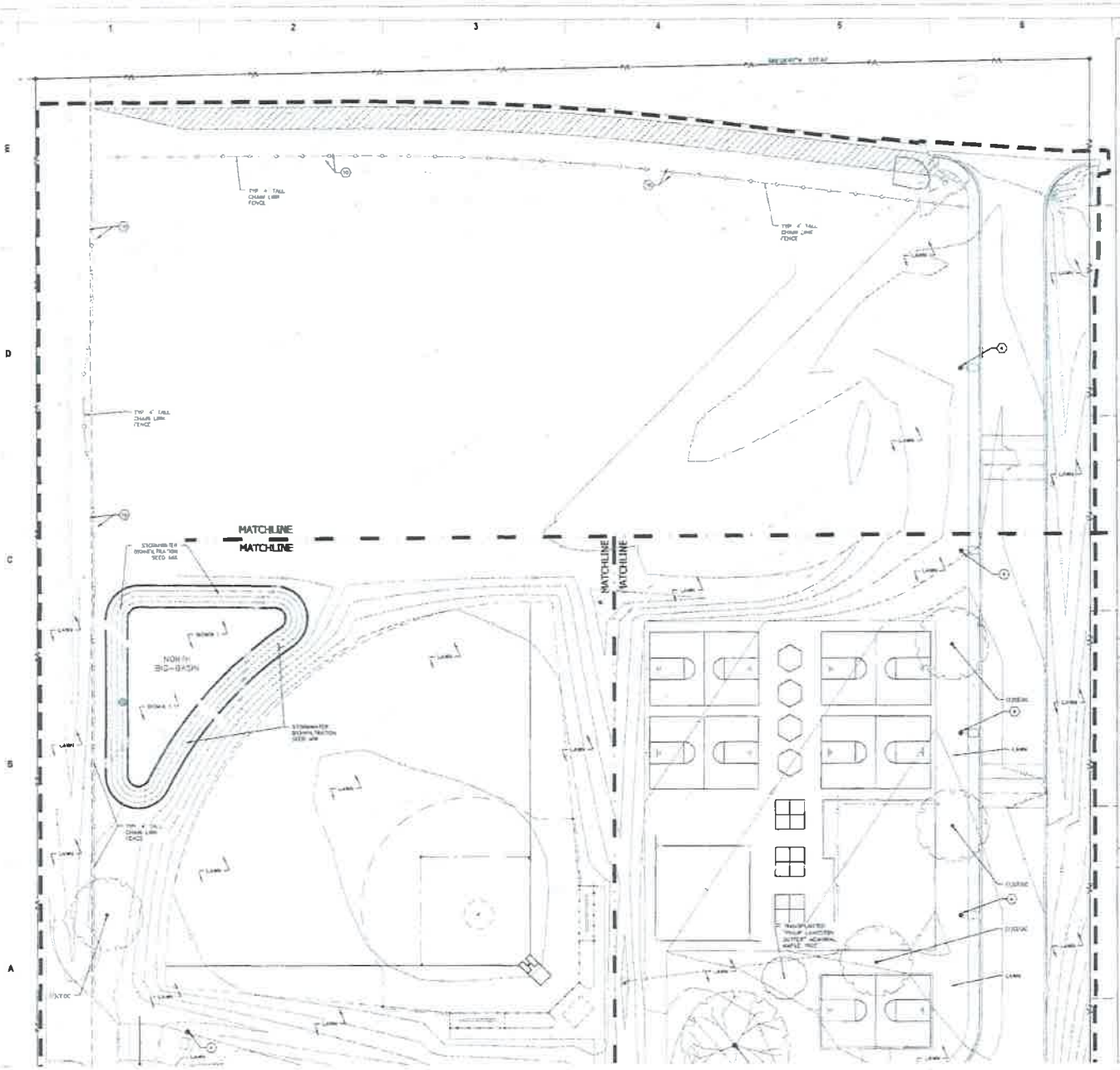
kapur

PROJECT MANAGER: TE

PROJECT NUMBER: 19314-02

OVERALL SITE LANDSCAPE PLAN - PHASE 2

L101-2



Scale: 0 10 20 40
Scale 1" = 20'

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www.DiggersHotline.com

VICINITY MAP

HATCH LEGEND

KEY INDEX

eu:a

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
	ARC SUBMISSION

KEY PLAN

kapur

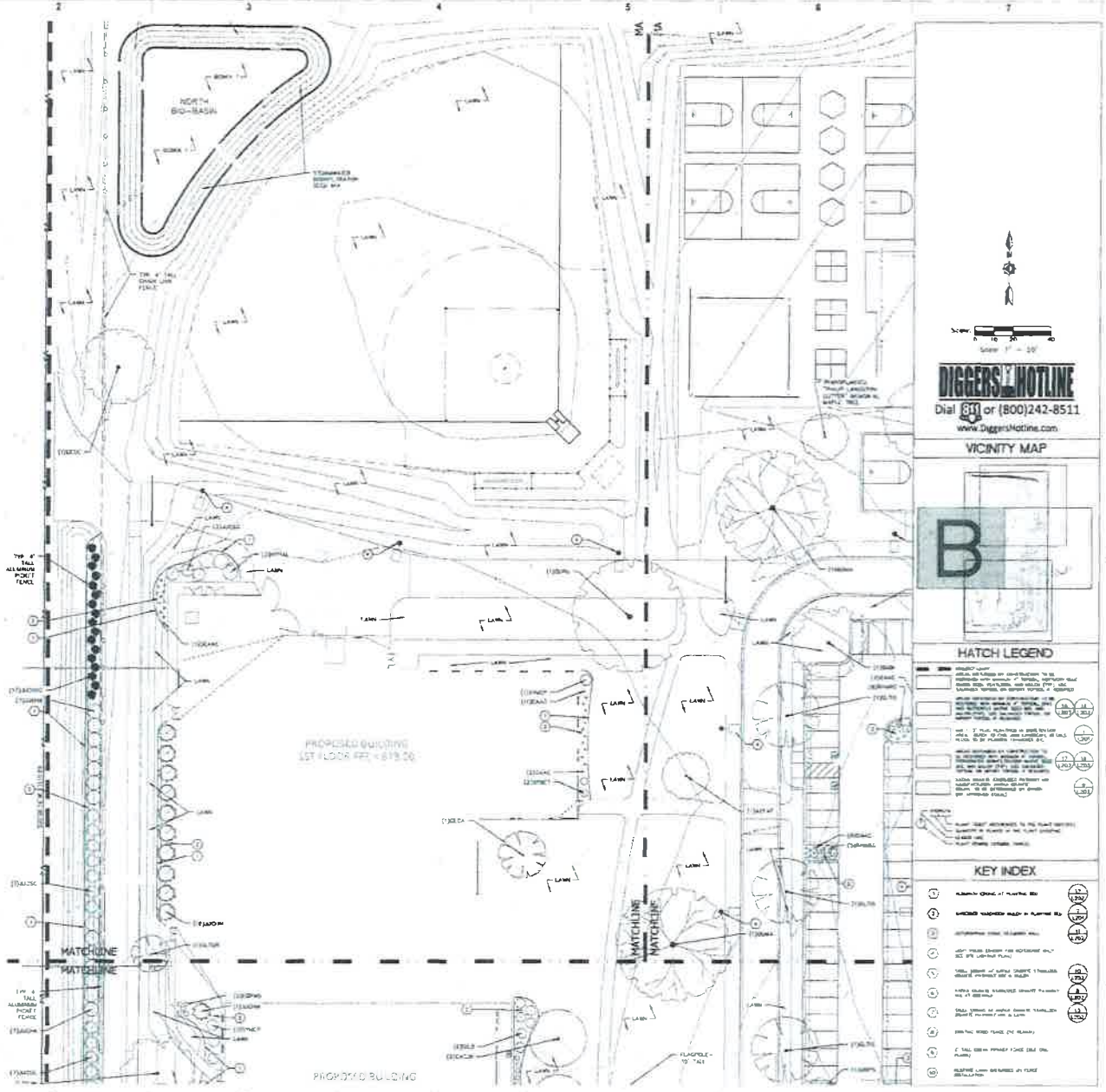
SHEET INFORMATION

PROJECT MANAGER TS

PROJECT NUMBER 19314-02

SITE LANDSCAPE PLAN - PHASE 2 - AREA A

L101-2A



eu:a

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/19/2023	ARC SUBMISSION

KEY PLAN

kapur

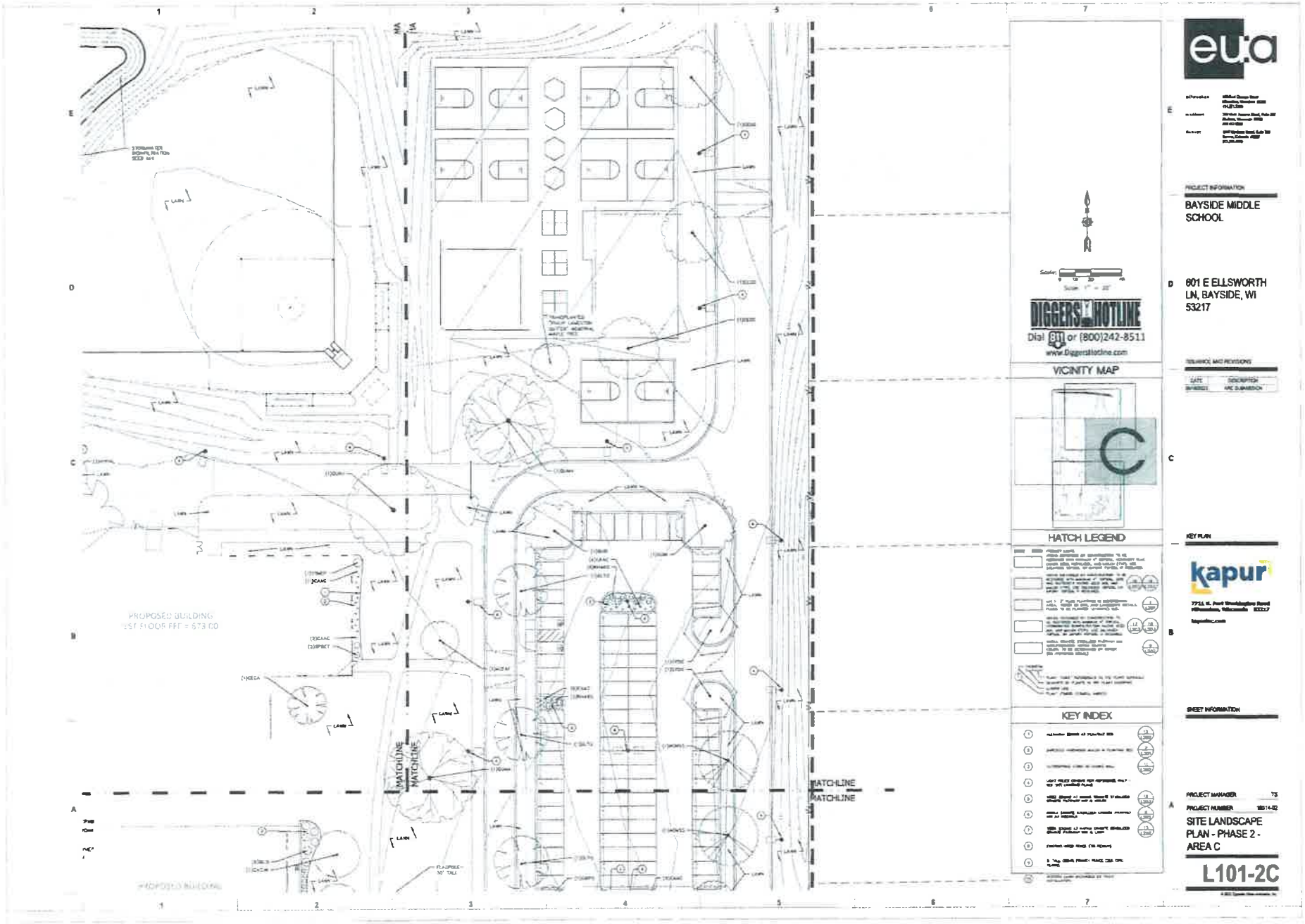
SHEET INFORMATION

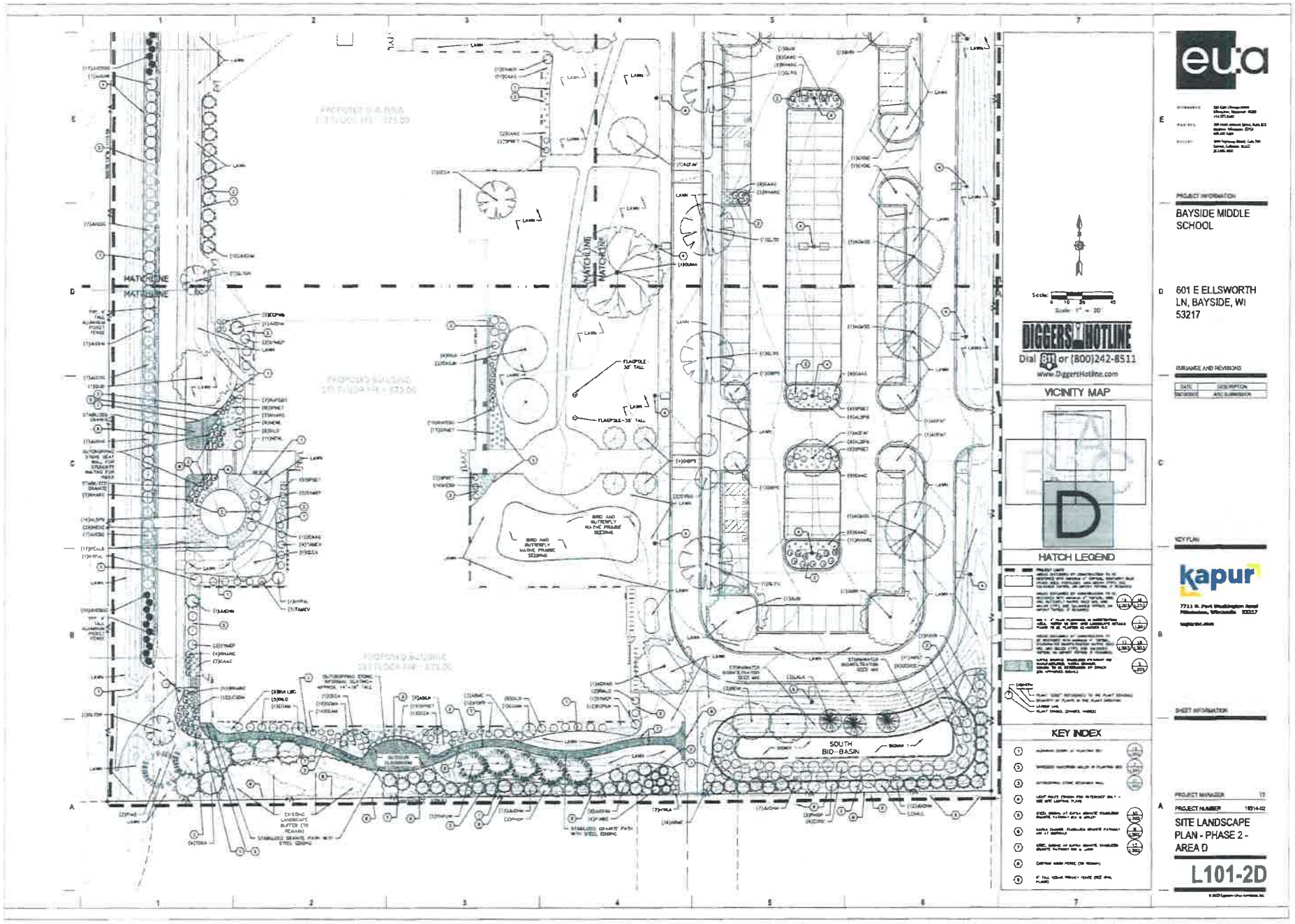
PROJECT MANAGER: TS

PROJECT NUMBER: 18014-02

SITE LANDSCAPE PLAN - PHASE 2 - AREA B

L101-2B


PROPOSED BUILDING
MATCHLINE
MATCHLINE
MATCHLINE
MATCHLINE
FLAGPOLE - 30' TALL
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.Diggershotline.com
VICINITY MAP
HATCH LEGEND
KEY INDEX
eu:a
PROJECT INFORMATION
BAYSIDE MIDDLE SCHOOL
601 E ELLSWORTH LN, BAYSIDE, WI 53217
ISSUANCE AND REVISIONS
DATE
DESCRIPTION
ARC SUBMISSION
KEY PLAN
kapur
SHEET INFORMATION
PROJECT MANAGER
PROJECT NUMBER
SITE LANDSCAPE PLAN - PHASE 2 - AREA C
L101-2C


MATCHLINE
MATCHLINE
FLAGPOLE - 30' TALL
FLAGPOLE - 30' TALL
BIRD AND BUTTERFLY NATIVE PRAIRIE SEEDING
SOUTH BIO-BASIN
EXISTING LANDSCAPE BUFFER (TO REMAIN)
Scale: 0 10 20 40
Scale: 1" = 20'
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com
VICINITY MAP
D
HATCH LEGEND
KEY INDEX
eu:a
PROJECT INFORMATION
BAYSIDE MIDDLE SCHOOL
601 E ELLSWORTH LN, BAYSIDE, WI 53217
ISSUANCE AND REVISIONS
DATE
DESCRIPTION
REFERENCE
ARC SUBMISSION
KEY PLAN
kapur
7711 N. Port Washington Road
Milwaukee, Wisconsin 53217
SHEET INFORMATION
PROJECT MANAGER
PROJECT NUMBER
18314-02
SITE LANDSCAPE PLAN - PHASE 2 - AREA D
L101-2D

PLANT PALETTE

BAYSIDE MIDDLE SCHOOL

601 E. ELLSWORTH LANE, BAYSIDE, WI 53217

PREPARED BY:

kapur

PREPARED FOR

DATE: 06/19/2021

Project Proposal

Date 5/22/23

Property Address 601 E Ellsworth Ln, Bayside, WI 53217

Zoning District

Proposed Project Details (type of work, size, materials, location, etc.):

- Standard construction way finding and safety signage ranging from 3'x4' to 11"x17". Plastic weather resistant construction
- 8'x8' project sign. Rendering attached
- Duration - 18 months

☐ ARC Agenda Date:

☐ Parcel Number:

☐ Color photographs showing project location, elevations, and surround views.

☐ Complete digital set of building plans (including elevations and grading).

☐ Samples or brochures showing materials, colors, and designs.

☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

☐ Accessory Structures/Generators

☐ Additions/Remodel

☐ Commercial Signage

☐ Decks/Patios

☐ Fence

☐ Fire Pits

☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit

☐ New Construction

☐ Play Structures

☐ Recreational Facilities/Courts

☐ Roofs

☐ Solar Panels/Skylights

☐ Swimming Pools

☐ Windows/Doors – change exceeds 25% of opening

☒ Other

TEMPORARY SIGN PERMIT

Applicant Name Shawn Hinke

Name of Business Miron Construction Co., Inc.

Address 601 E Ellsworth Lane, Bayside, WI 53217

Applicant phone number(s) (414) 840-9162

Applicant email address shawn.hinke@miron-construction.com

Dates of posting from May 15th, 2023 through November 29th, 2024

Location of sign Signs will mainly be along King Road

Reason for sign Job site safety, separation between construction/school activities, community information

Sign Description Standard construction way finding and safety signage, sign showing final rendering

# of Signs 24 Size 3' x 4' at gates, smaller along fence Total Square Feet Approx 100

Material(s) Plastic

How will it be displayed (in-ground, attached to building, etc.) Signage will be secured to site perimeter fencing when possible, and will be secured in-ground otherwise.

If sign will not be on applicant's property, is a letter of permission attached? Yes X No ____

Will sign be placed in the right-of-way? (not permitted) Yes X No ____

Is a photograph or drawing of the sign attached? Yes X No ____

Signature of applicant Date 05/10/2023

OFFICE USE ONLY:

- Banners and temporary signs shall be valid for not more than 15 days per calendar quarter, have a gross sign area of 100 sq ft or less, and have no single side of any sign exceed 50 sq ft.
- Fee is assessed *per sign.*
- Signs may not be placed in the right-of-way.
- All requests must have written authorization from the property owner and be provided at the time of application and approval.
- Provide copy of approved application to the Police Department.

Village Manager or designee _____ Date _____

Approved _____ Denied _____

Updated 8/3/2021

Village of Bayside
9075 North Regent Road
Bayside, WI 53217

May 10th, 2023

To Whom it May Concern,

Serving as a representative of the Fox Point Bayside School District, I authorize Miron Construction Co., Inc. to display temporary construction signage on school grounds as they see fit for the duration of construction activities. Branding signage will be reviewed and approved by the School District. Should you have any questions, please feel free to contact me.

Best Regards,

Jordan Schulz

Jordan Schulz
Partner
Huffman Keel Partners, Inc.
(617) 922-7691
jschulz@huffmankeel.com

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FOX POINT BAYSIDE SCHOOL DISTRICT

BAYSIDE MIDDLE SCHOOL

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Miron Building Excellence

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BAYSIDE MIDDLE SCHOOL OVERVIEW

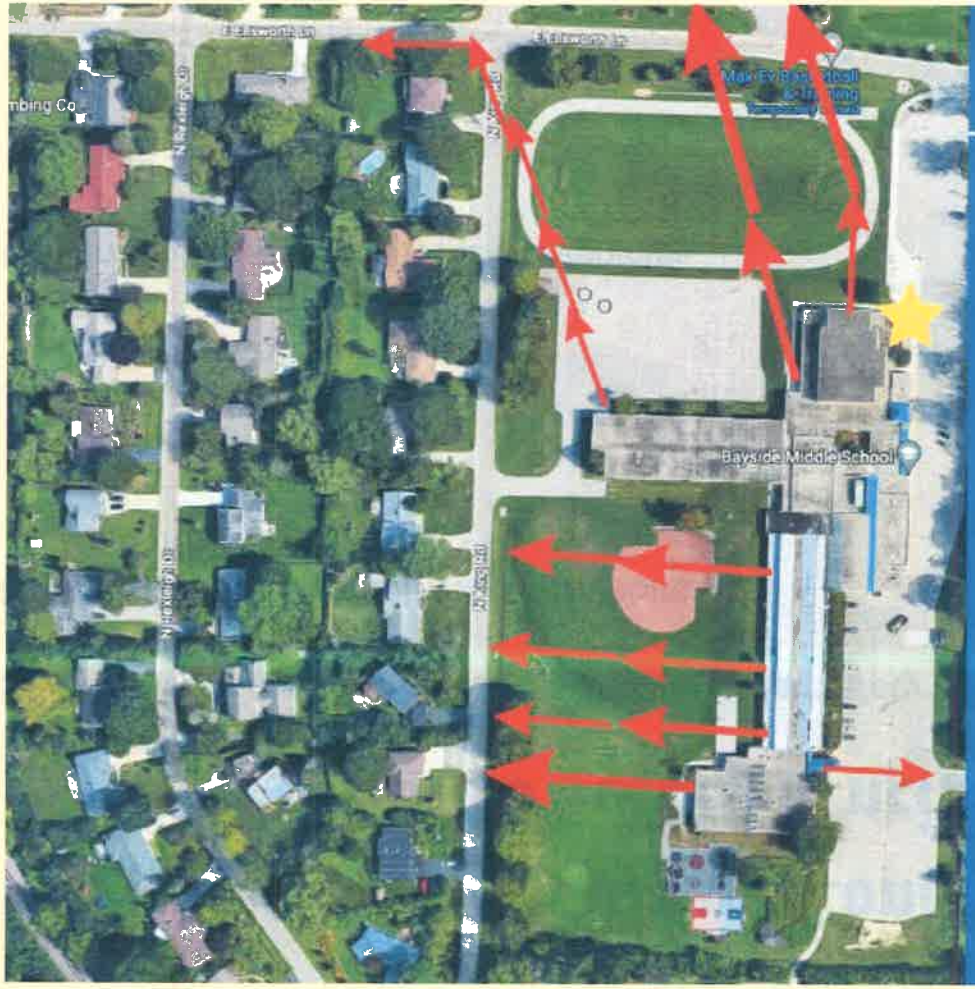
Traffic Management Factors and Concepts Examined Current and Proposed

- Pedestrian Safety
- Vehicle Safety
- Separation of Bus and Parent Pickup
- Neighboring property impacts
- On site traffic flow
- Off site traffic flow and impacts
- Infrastructure and ROW impacts
- Current/future bus count
- Current volume of parent pickup vehicles
  - 6 observation dates,
    - all over 60 vehicles
    - Four over 70 vehicles
    - Two over 80 vehicles
- Impervious surface
- Stormwater management
- Other mitigating/limiting factors

Current Conditions
(Prior to Safety Fencing Installation)

- Significant concern for Pedestrian and Vehicular Safety
- Multiple building exit points/ pickup points
  - Maitland
  - King
  - Ellsworth
  - Standish
  - School Protocol: Parking Lot
- Current volume of parent pickup vehicles
  - 6 pick up observations
    - all over 60 vehicles
    - Four over 70 vehicles
    - Two over 80 vehicles
- Current conditions are extermely unsafe

School Pickup Observation



Observations on
Wednesday, April 19, 2023
Conditions: Rain

- Roughly 80 cars present for pick up
- Cars lined on Ellsworth Lane, King Road, and Ellsworth Park parking lot. Unable to observe Maitland.
- Ellsworth Park parking lot used as a pick-up site.
- Children walking between cars to cross streets.
- Cars driving on the wrong side of the street due to cars parking on the road.
- Cars driving at each other in wrong lanes of traffic.
- Cars driving in the shoulder/ditch.
- Numerous students exiting side doors/not the main exit.
- Cars making U-turns in the middle of streets and obstructing traffic.
- Children walk to cars rather than cars driving to children.

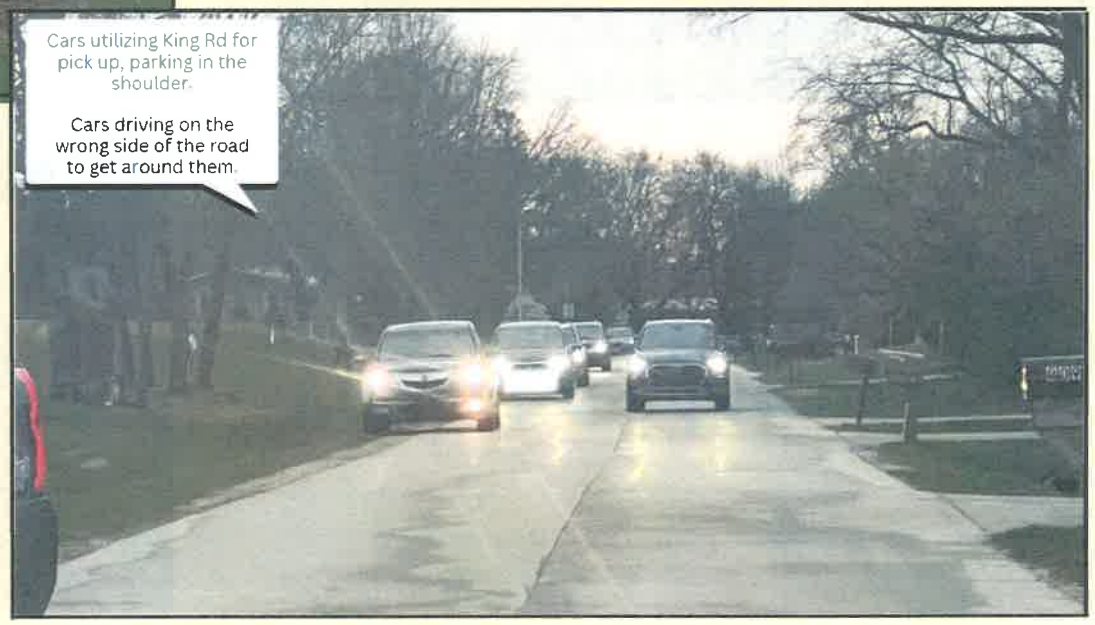
Present conditions of school pickup

Present conditions of school pickup

Cars lined up to Rexleigh Dr.

Cars utilizing Ellsworth Park as a pick up location (kids crossing the the street between cars).

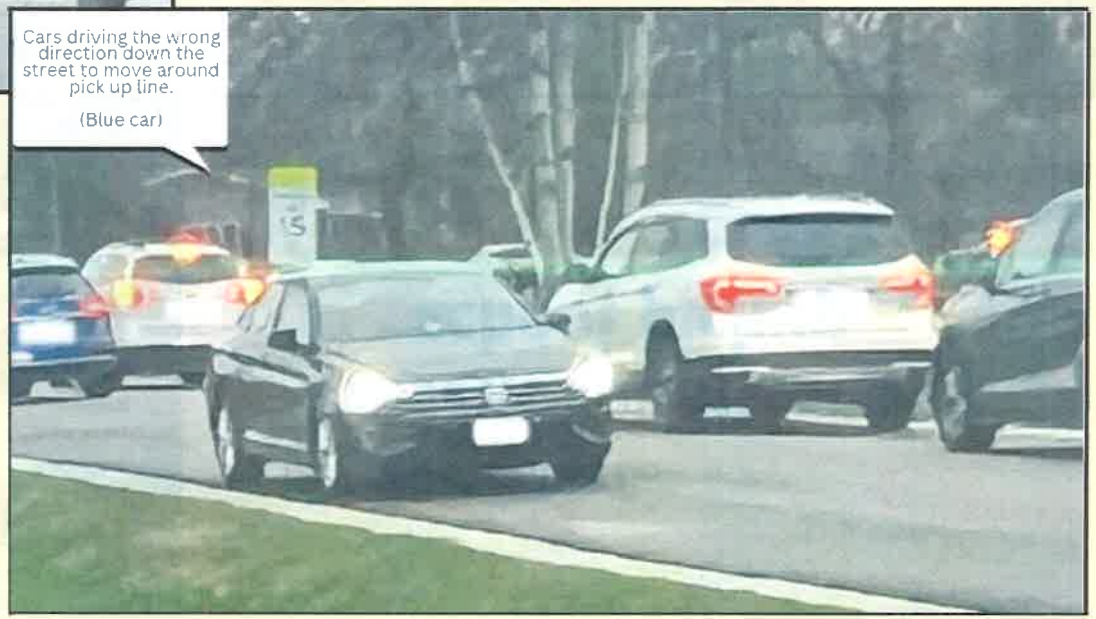
Present conditions of school pickup



Present conditions of school pickup

Present conditions of school pickup

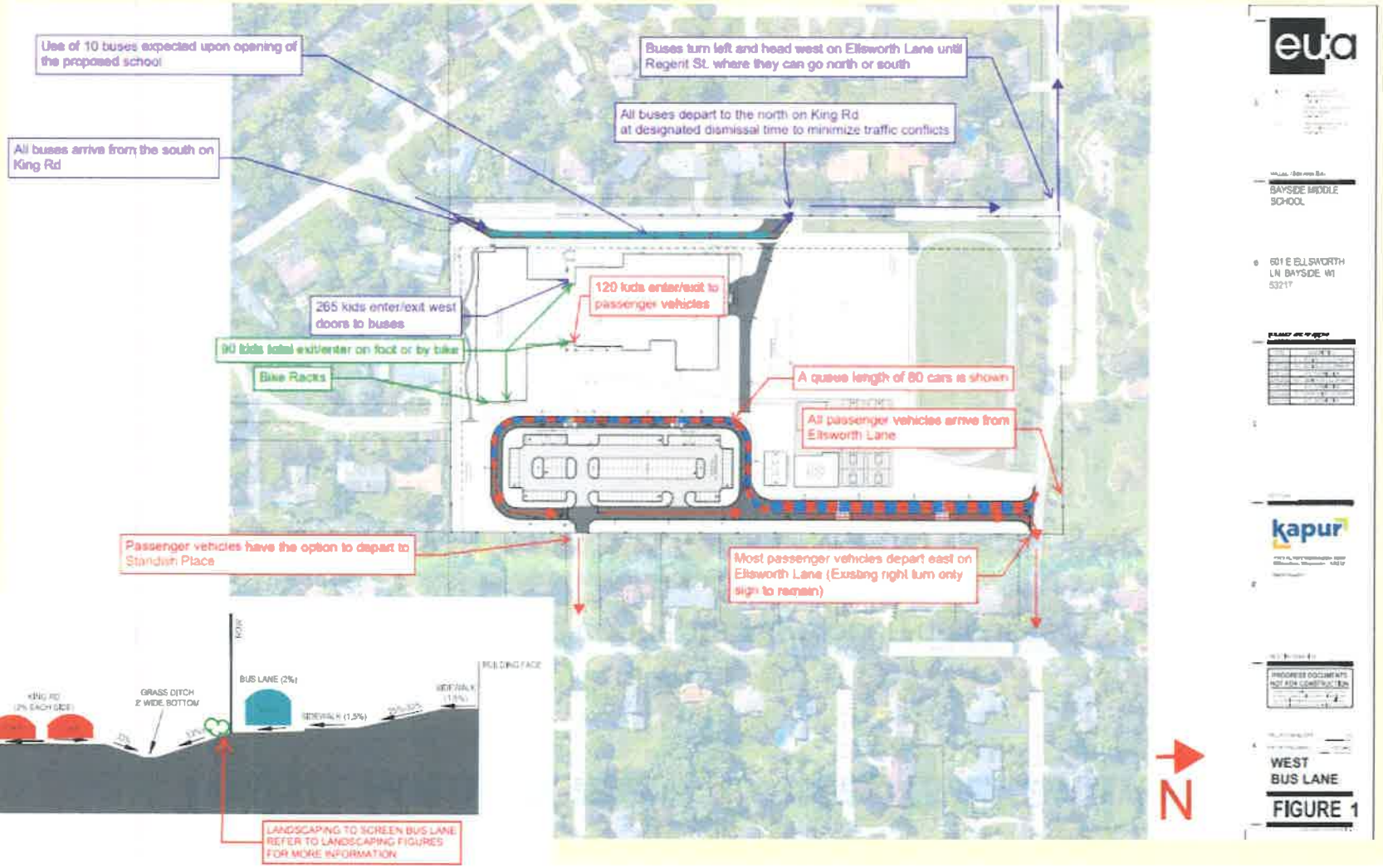
Present conditions of school pickup



Traffic Management Concepts Examined

- Eight drawn concepts have been examined
- Countless undrawn/brainstorming concepts have been discussed.

School District Recommended Concept



eua

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN BAYSIDE WI 53217

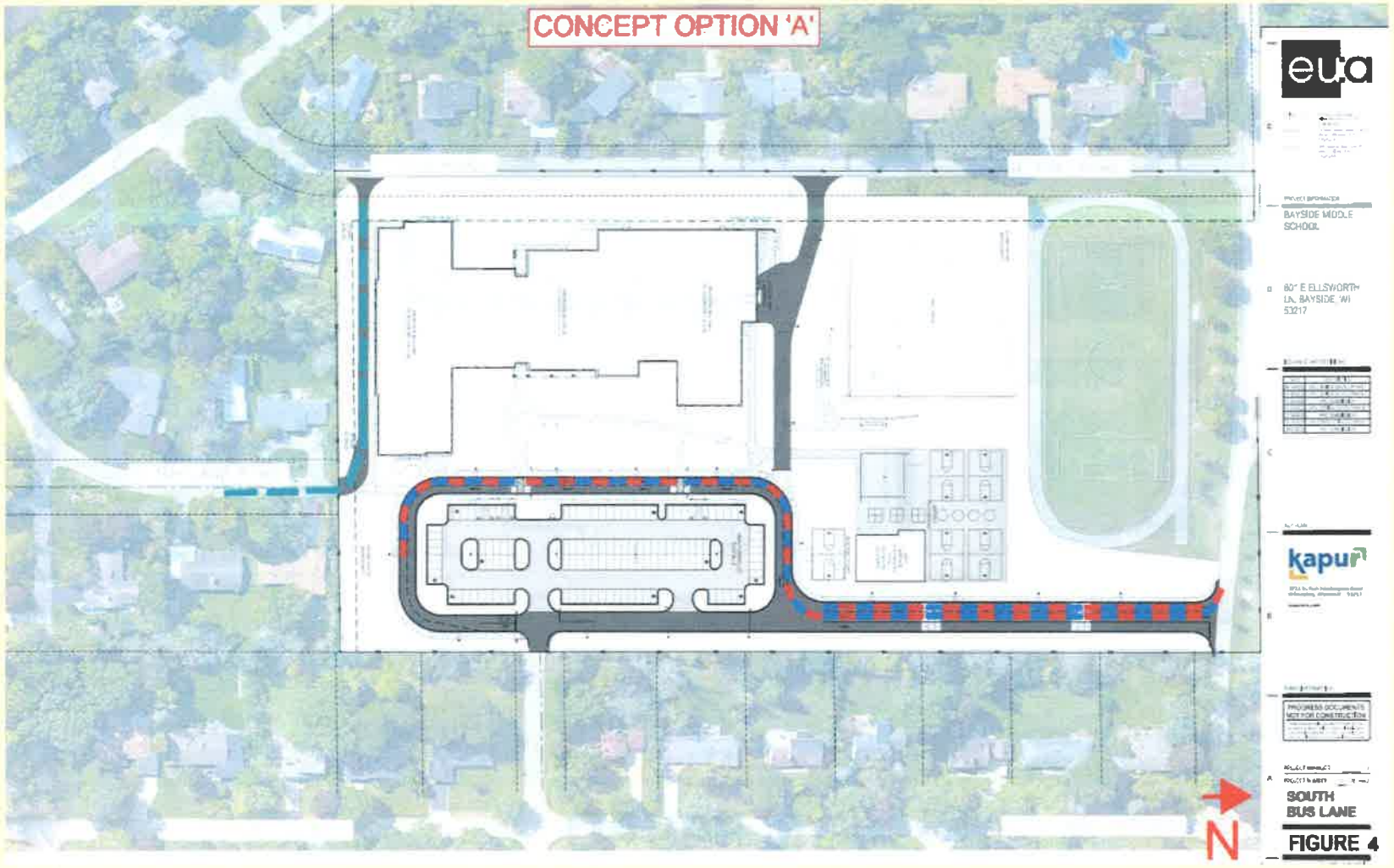
kapur

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

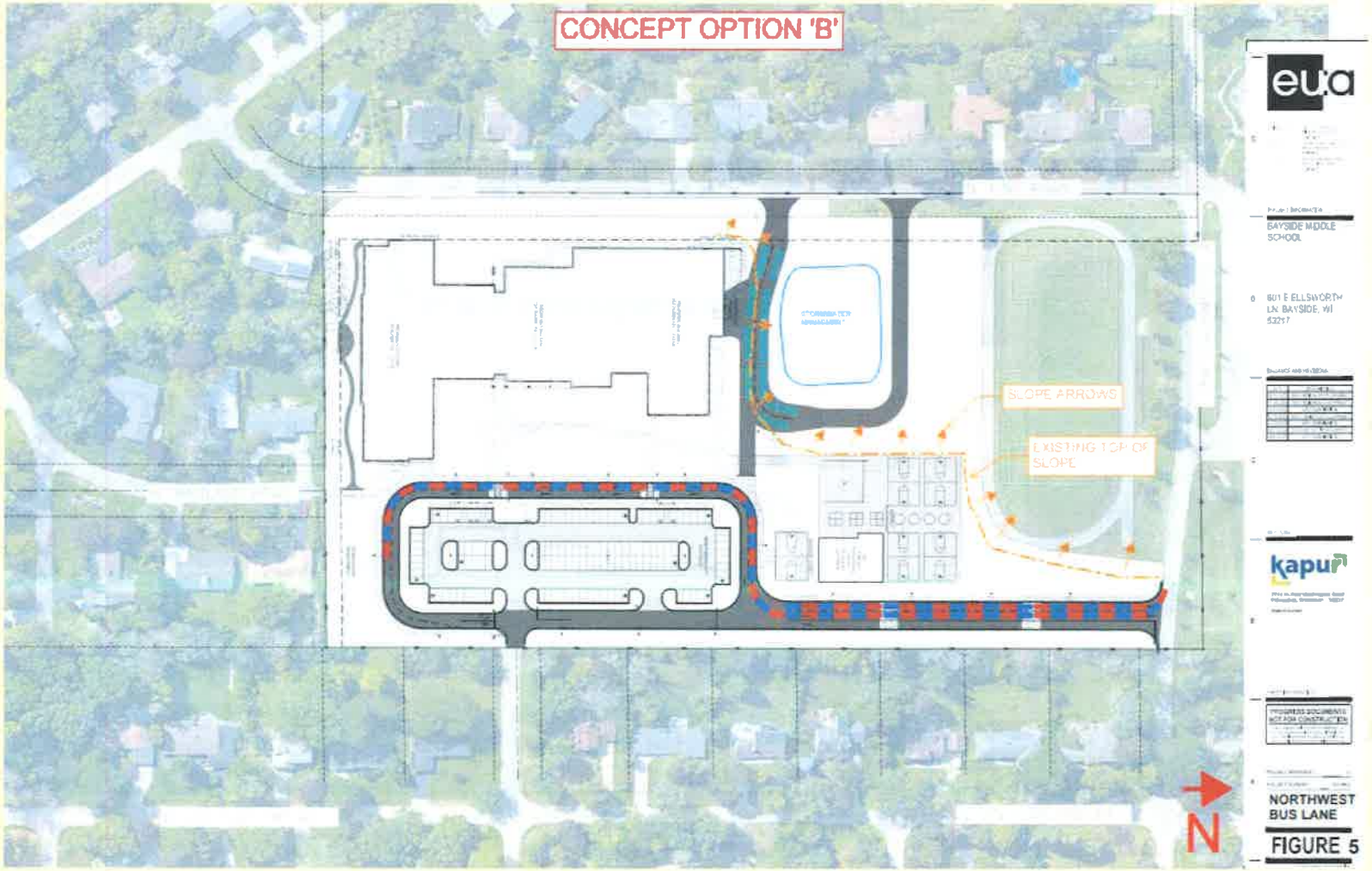
WEST BUS LANE

FIGURE 1

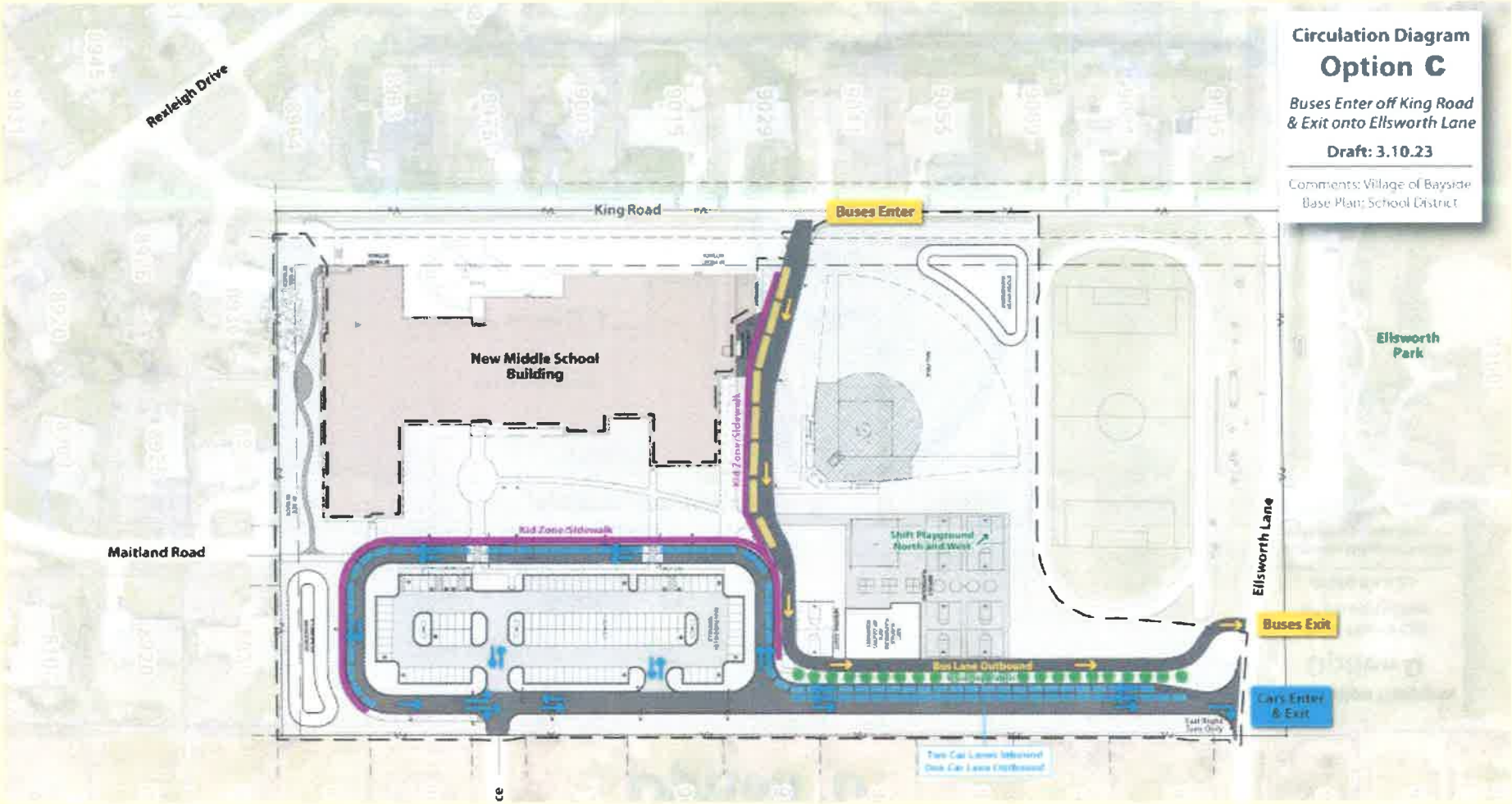
Option 'A'


CONCEPT OPTION 'A'
eua
BAYSIDE MIDDLE SCHOOL
80° E ELLSWORTH LN, BAYSIDE, WI 53217
kapur
PROGRESS DOCUMENTS NOT FOR CONSTRUCTION
SOUTH BUS LANE
FIGURE 4
N

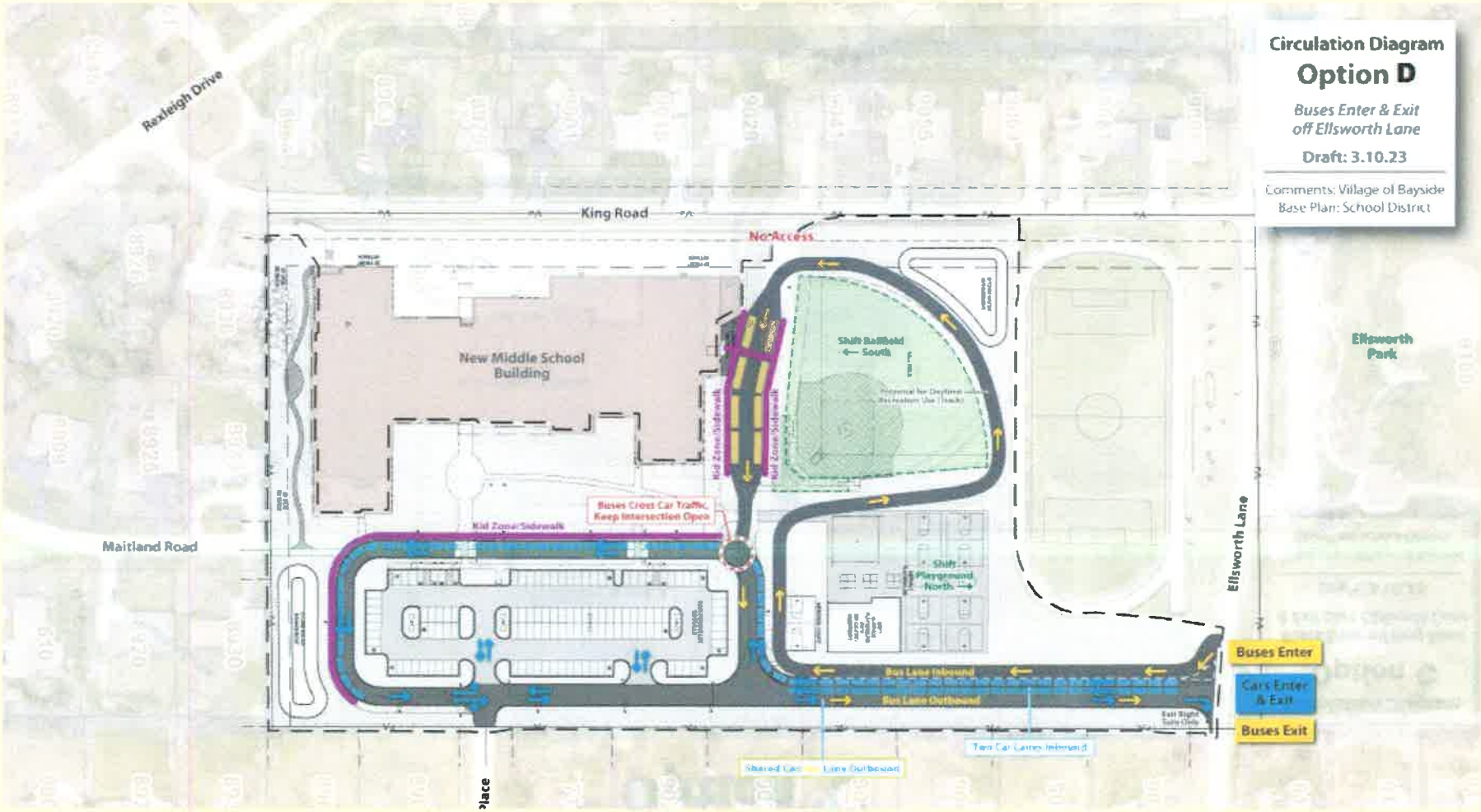
Option 'B'


CONCEPT OPTION 'B'
SLOPE ARROWS
EXISTING TOP OF SLOPE
N
eua
BAYSIDE MIDDLE SCHOOL
6611 E ELLSWORTH LN. BAYSIDE, WI 53217
kapur
NORTHWEST BUS LANE
FIGURE 5

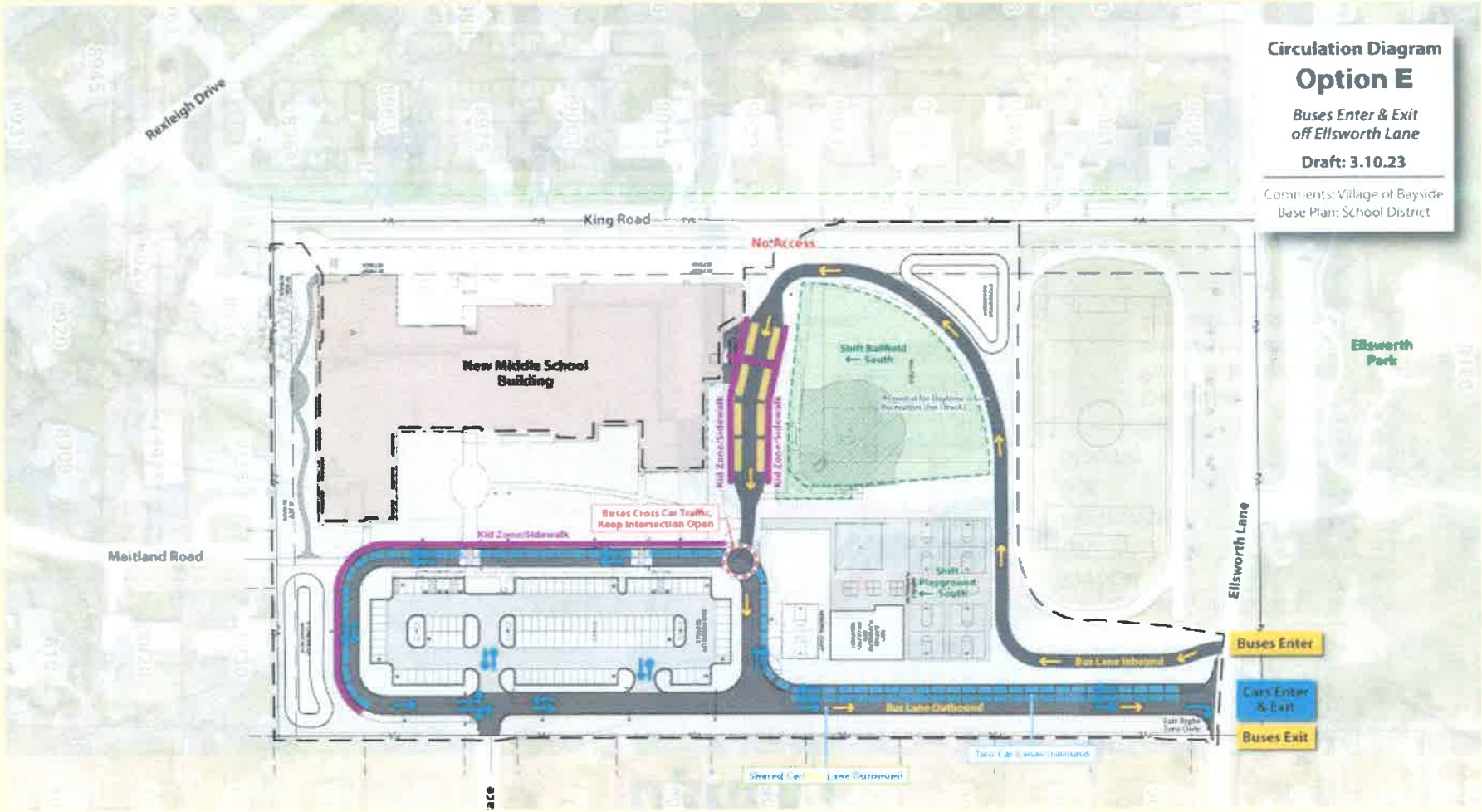
Option 'C'


Circulation Diagram
Option C
Buses Enter off King Road
& Exit onto Ellsworth Lane
Draft: 3.10.23
Comments: Village of Bayside
Base Plan: School District
Rexleigh Drive
King Road
Buses Enter
New Middle School Building
Ellsworth Park
Kid Zone/Sidewalk
Maitland Road
Shift Playground North and West
Ellsworth Lane
Buses Exit
Bus Lane Outbound
Cars Enter & Exit
Two Car Lanes Inbound
One Car Lane Outbound

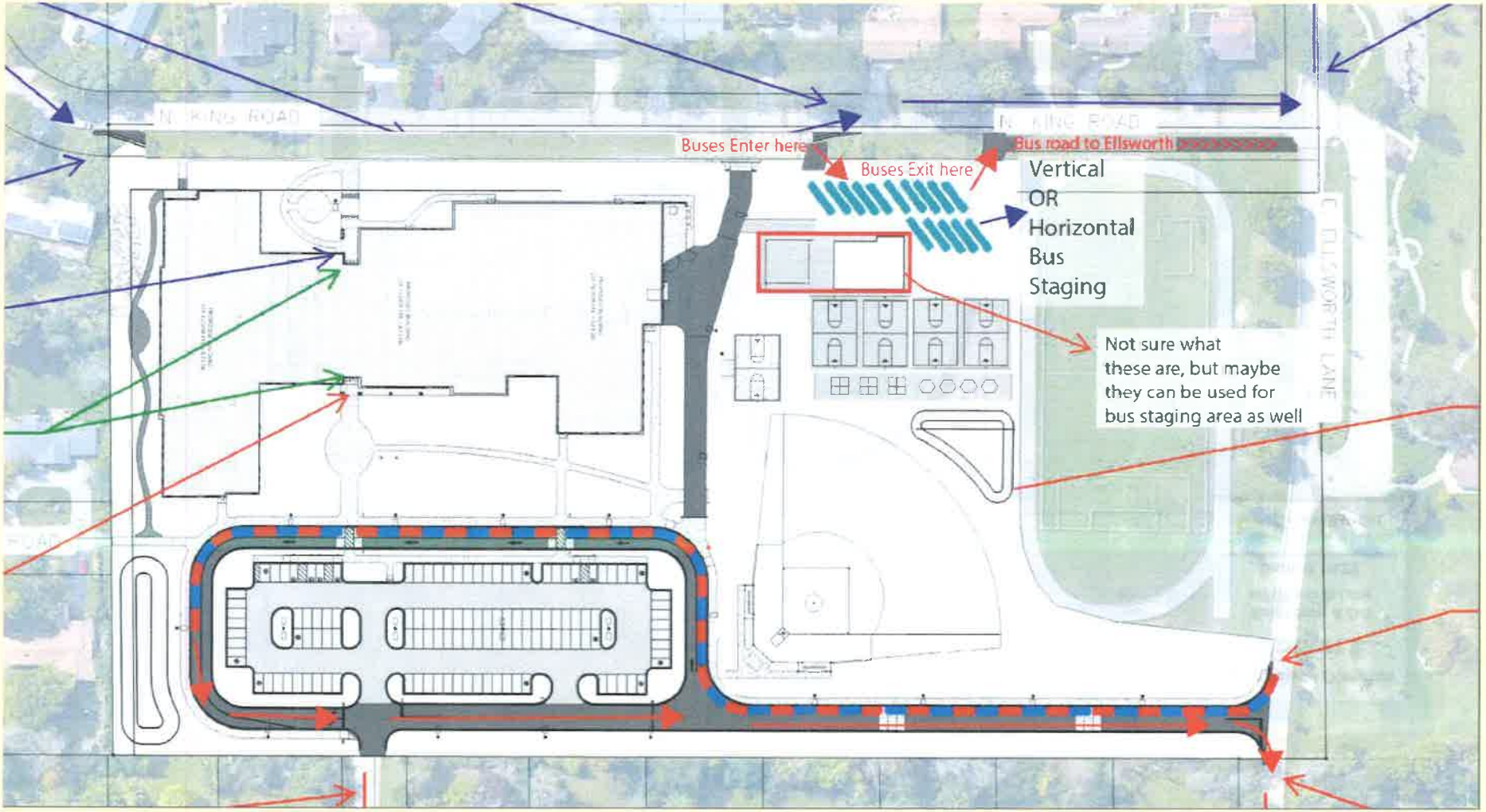
Option 'D'


Circulation Diagram
Option D
Buses Enter & Exit off Ellsworth Lane
Draft: 3.10.23
Comments: Village of Bayside
Base Plan: School District
Rexleigh Drive
King Road
No Access
New Middle School Building
Shift Ballfield South
Ellsworth Park
Kid Zone Sidewalk
Buses Cross Car Traffic, Keep Intersection Open
Maitland Road
Shift Playground North
Ellsworth Lane
Bus Lane Inbound
Bus Lane Outbound
Buses Enter
Cars Enter & Exit
Buses Exit
Two Car Lanes Inbound
Shared Lane
Lane Outbound
Place

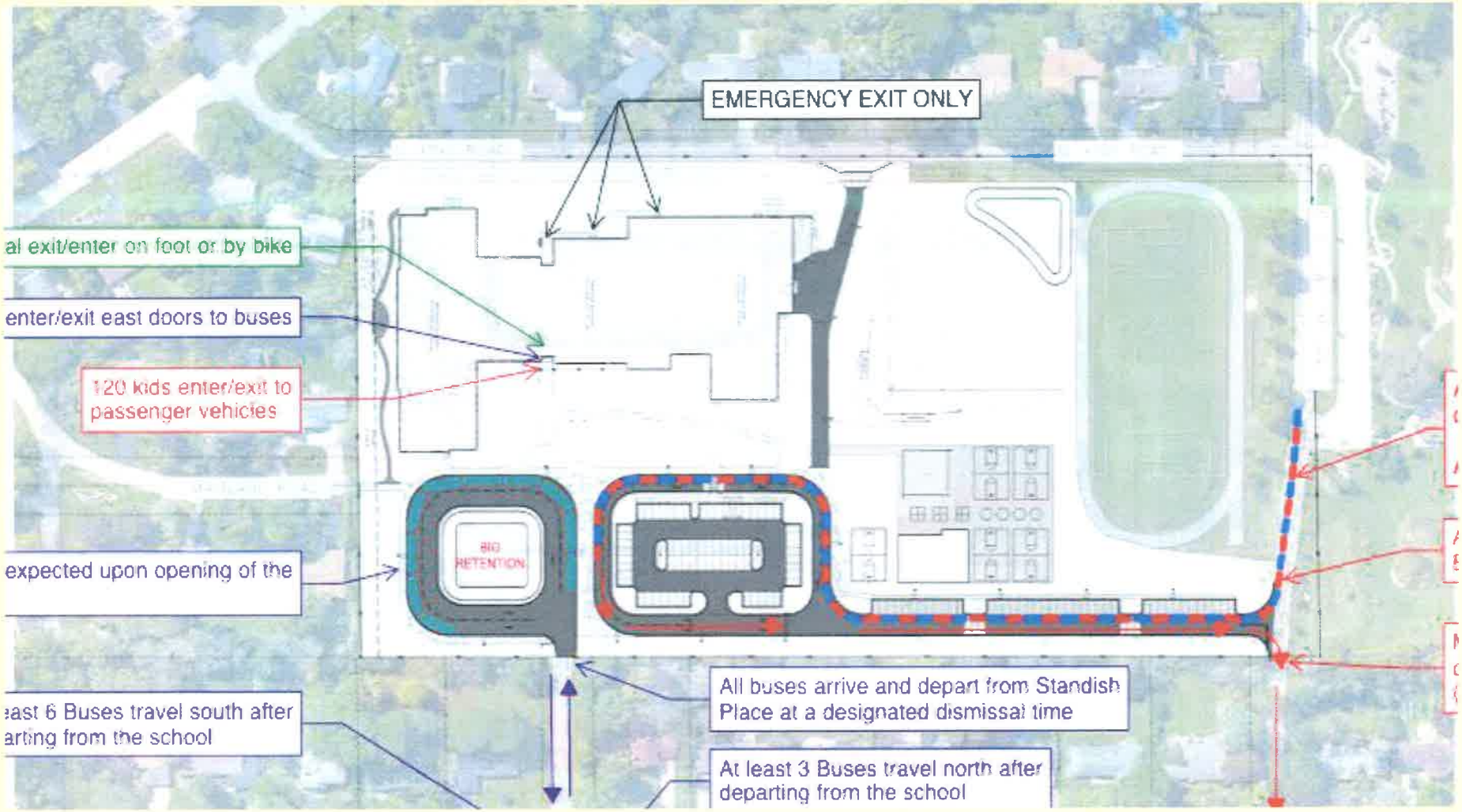
Option 'E'


Circulation Diagram
Option E
Buses Enter & Exit
off Ellsworth Lane
Draft: 3.10.23
Comments: Village of Bayside
Base Plan: School District
Rexleigh Drive
King Road
No Access
New Middle School Building
Shift Ballfield South
Ellsworth Park
Kid Zone Sidewalk
Buses Cross Car Traffic, Keep Intersection Open
Maitland Road
Shift Playground South
Ellsworth Lane
Bus Lane Inbound
Bus Lane Outbound
Buses Enter
Cars Enter & Exit
Buses Exit

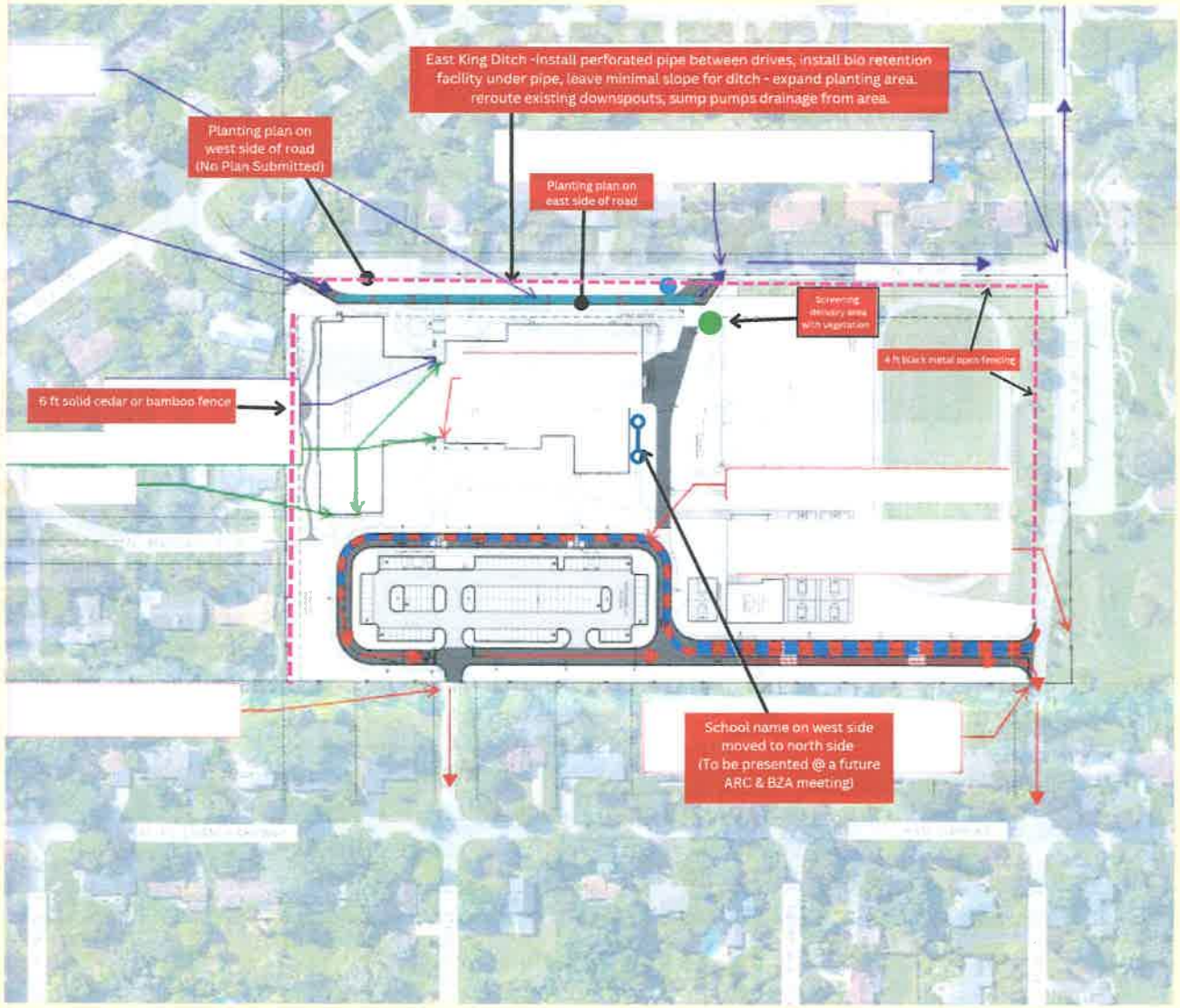
Option F


Buses Enter here
Buses Exit here
Bus road to Ellsworth
Vertical
OR
Horizontal
Bus
Staging
Not sure what these are, but maybe they can be used for bus staging area as well

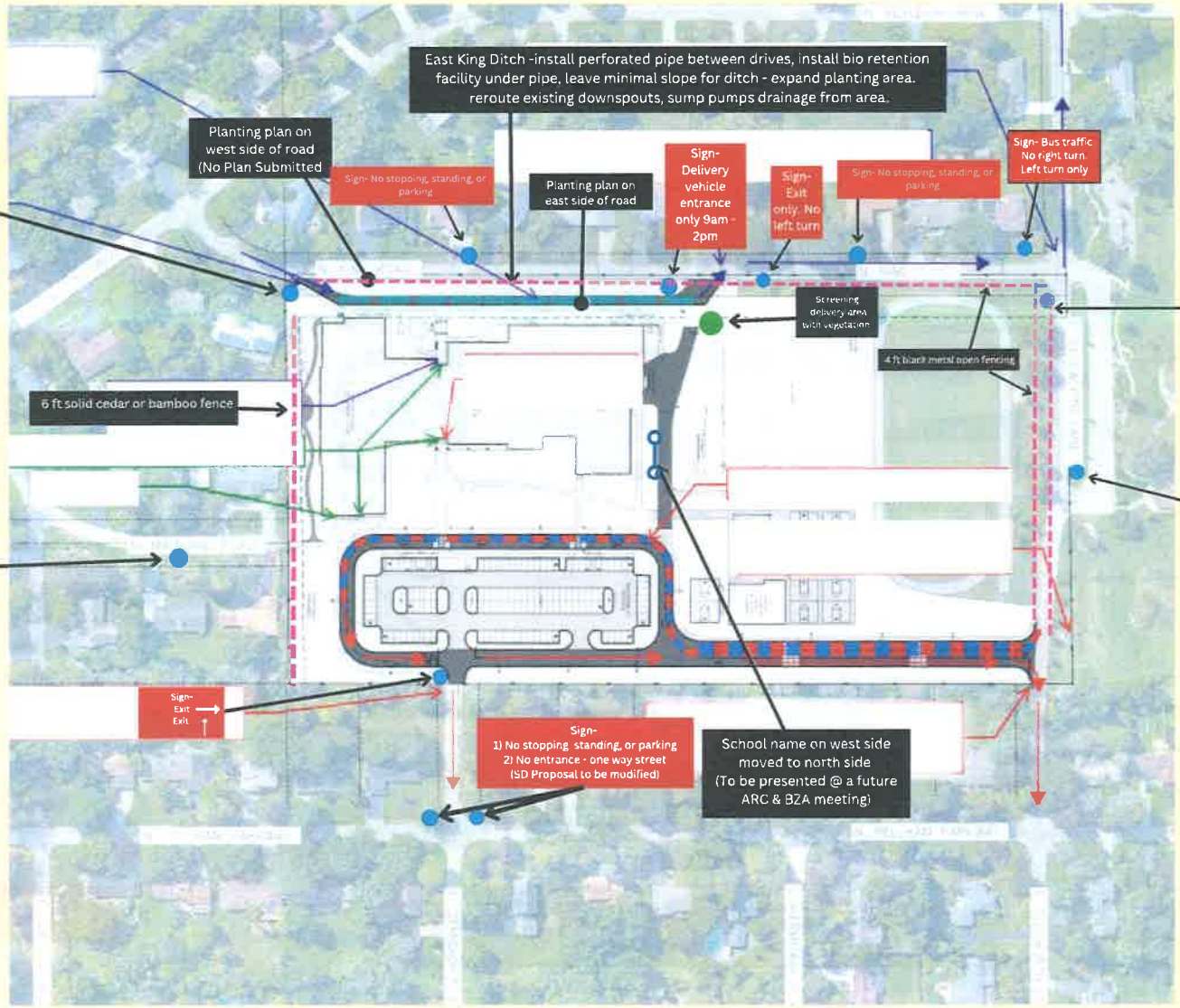
Option G


EMERGENCY EXIT ONLY
al exit/enter on foot or by bike
enter/exit east doors to buses
120 kids enter/exit to passenger vehicles
expected upon opening of the
ast 6 Buses travel south after arting from the school
All buses arrive and depart from Standish Place at a designated dismissal time
At least 3 Buses travel north after departing from the school
BIO RETENTION

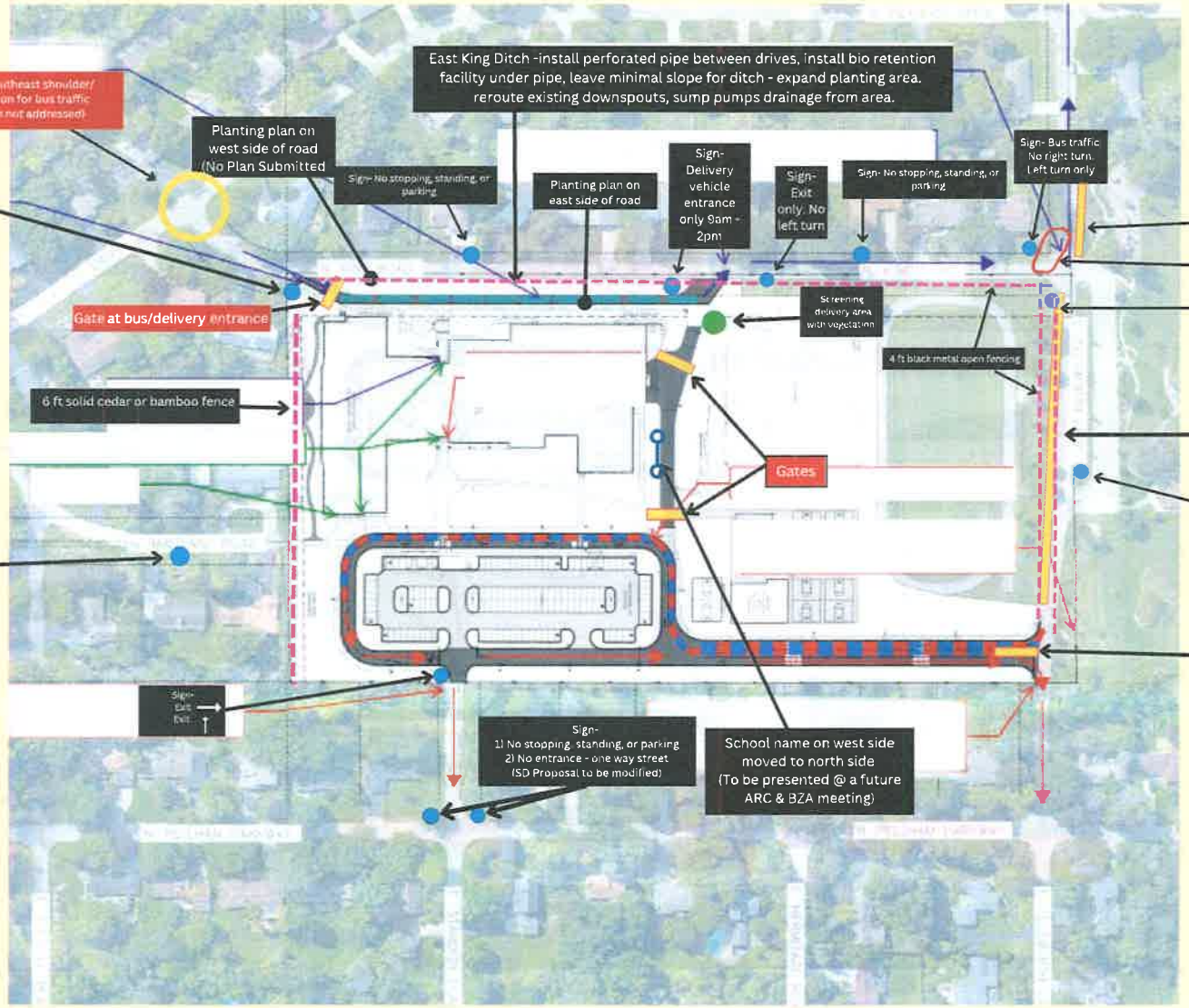
Landscape/ Aesthetics



Signage


East King Ditch -install perforated pipe between drives, install bio retention facility under pipe, leave minimal slope for ditch - expand planting area. reroute existing downspouts, sump pumps drainage from area.
Northbound King Sign- Bus traffic only. Buses permitted Monday through Friday 8am-8:30am 3pm-3:45pm
Planting plan on west side of road (No Plan Submitted
Sign- No stopping, standing, or parking
Planting plan on east side of road
Sign- Delivery vehicle entrance only 9am - 2pm
Sign- Exit only. No left turn
Sign- No stopping, standing, or parking
Sign- Bus traffic No right turn. Left turn only
Screening delivery area with vegetation
4 ft black metal open fencing
Sign- Form a Single Line
6 ft solid cedar or bamboo fence
Sign- "No Thru Traffic Ellsworth Park Parking Only"
Sign- No stopping, standing, or parking
Sign- Exit Exit
Sign- 1) No stopping, standing, or parking 2) No entrance - one way street (SD Proposal to be mudified)
School name on west side moved to north side (To be presented @ a future ARC & BZA meeting)

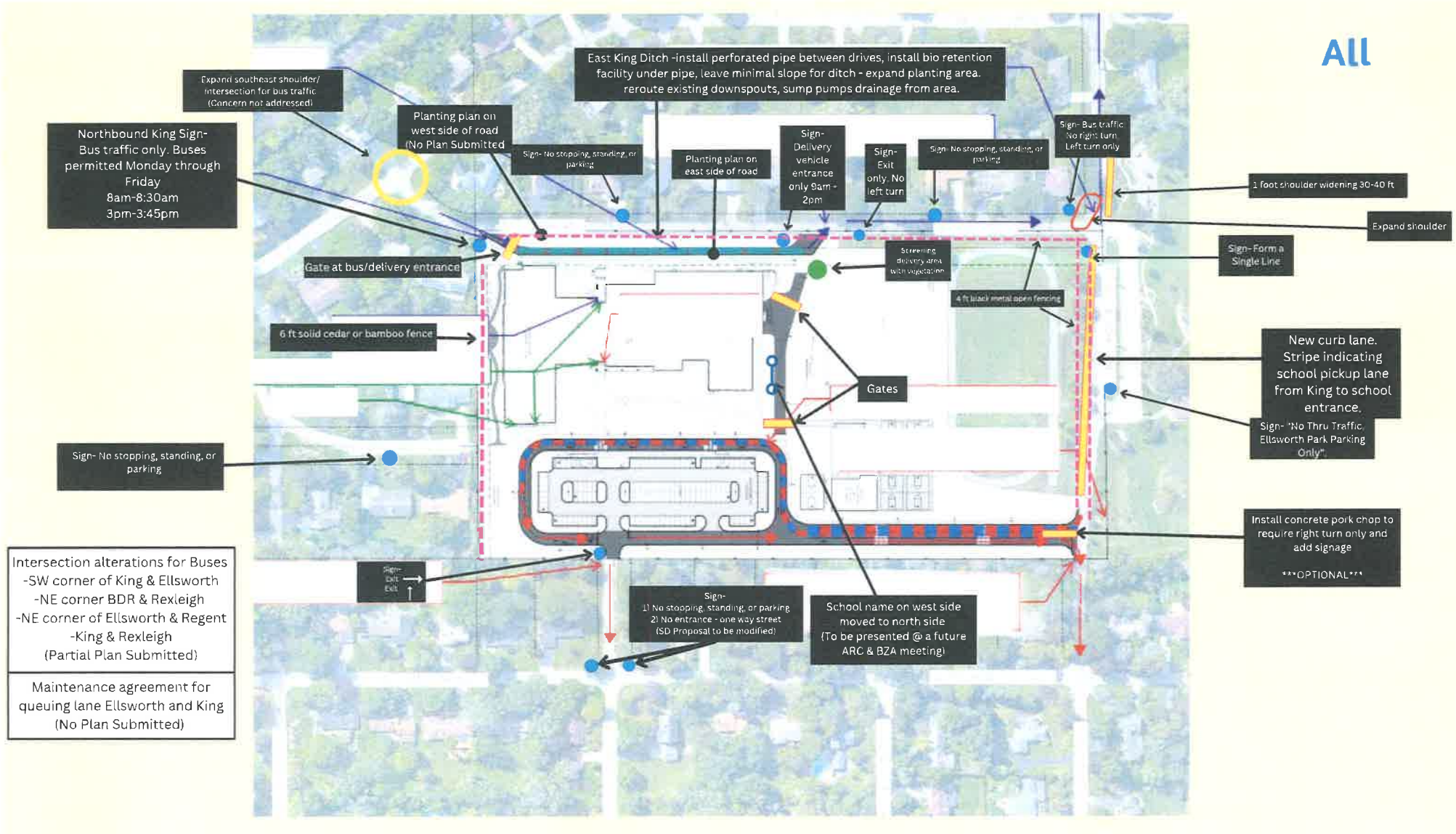
Safety/ Site Needs



Intersection alterations for Buses
-SW corner of King & Ellsworth
-NE corner BDR & Rexleigh
-NE corner of Ellsworth & Regent
-King & Rexleigh
(Partial Plan Submitted)

Maintenance agreement for queuing lane Ellsworth and King (No Plan Submitted)

All



Intersection alterations for Buses
-SW corner of King & Ellsworth
-NE corner BDR & Rexleigh
-NE corner of Ellsworth & Regent
-King & Rexleigh
(Partial Plan Submitted)

Maintenance agreement for queuing lane Ellsworth and King (No Plan Submitted)

Project Proposal

Date 5/22/23

Property Address 601 E Ellsworth Ln, Bayside, WI 53217

Zoning District

Proposed Project Details (type of work, size, materials, location, etc.):

(4) - 30 yard dumpsters
(6) - 20 foot storage containers
(10) - Job Trailers
(10) - Port-O-Pottys

Duration - 18 months

- ☐ ARC Agenda Date:
- ☐ Parcel Number:
- ☐ Color photographs showing project location, elevations, and surround views.
- ☐ Complete digital set of building plans (including elevations and grading).
- ☐ Samples or brochures showing materials, colors, and designs.
- ☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☒	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

- ☐ Accessory Structures/Generators
- ☐ Additions/Remodel
- ☐ Commercial Signage
- ☐ Decks/Patios
- ☐ Fence
- ☐ Fire Pits
- ☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit
- ☐ New Construction
- ☐ Play Structures
- ☐ Recreational Facilities/Courts
- ☐ Roofs
- ☐ Solar Panels/Skylights
- ☐ Swimming Pools
- ☐ Windows/Doors – change exceeds 25% of opening
- ☐ Other

BAYSIDE

Dumpster/Roll-Off Box/Pod/Storage Container/Port-o-Potty PERMIT
Exceeding 2 ½ cubic yards in size

Applicant Name Shawn Hinke

Address 601 E Ellsworth Lane, Bayside, WI 53217

Applicant phone number(s) (414) 840-9162

Applicant email shawn.hinke@miron-construction.com

Storage Description: (4) - 30 yard dumpsters
(6) - 20 foot storage containers
(10) - Job Trailers

Item(s) being stored (10) - Port-O-Pottys

Size See Above

Materials
Construction debris, recycling material and material/equipment being stored until installation, contractor tools and equipment

Dates of storage May 15, 2023 through November 29, 2024

Location Within job site fencing

Reason for storage Necessary to safely and efficiently run construction operations

DLH Date 05/11/2023

Signature of applicant

OFFICE USE ONLY: Sec 32-48(8)

☐ 1st unenclosed storage permit ($50/60 days) ☐ 2nd unenclosed storage permit ($60/60 days)

☐ 1st Port-o-Potty permit ($50/60 days) ☐ 2nd Port-o-potty permit ($60/60 days)

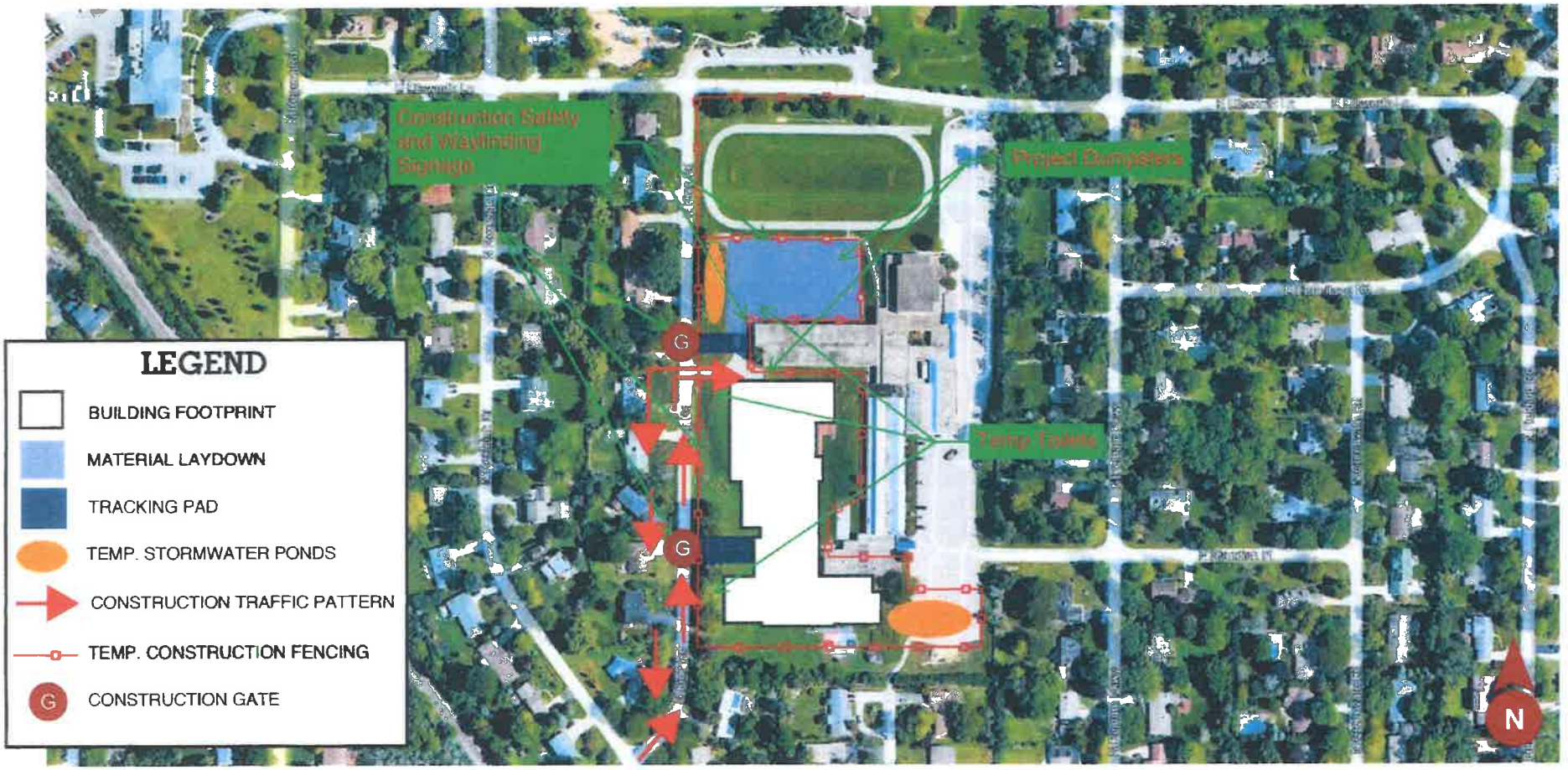
*One unit per address and not to exceed two permits issued in any 12 months

_____ Date _____

Village Manager / or designee

Approved _____ Denied _____

BAYSIDE MIDDLE SCHOOL



SITE LOGISTICS

Miron
Building Excellence

SAFEbuilt Wisconsin, LLC
W241 S4135 Pine Hollow Court
Waukesha, WI 53188

06/07/2023

Attention:
Village of Bayside, WI
Architecture Review Committee

PROJECT/SITE OWNER:	PROJECT SUMMARY:
Fox Point-Bayside School District PROJECT ADDRESS: 601 Ellsworth Ln	Three types of fences 544 lineal feet 4' black vinyl chain link 450 lineal feet 4' black aluminum Majestic style 186 lineal feet 6' cedar privacy

I have reviewed the proposed new fences for compliance with the Village's ordinances and have determined the following for consideration.

1. The 544 lineal feet of 4' high black vinyl chain link fence complies with the ordinance.
2. The 450 lineal feet of 4' high black aluminum Majestic style complies with the ordinance. The applicant has supplied a flyer with several types of fences on it. They forwarded a sheet that had called out the Majestic style.
3. 186 lineal feet of 6' high cedar privacy fence, is in violation of the ordinance Sec. 104-125 a (9). They will have to request a variance for this fencing, to proceed with installation.
4. The board always considers matching fences with neighboring fences.

VILLAGE CODE REVIEW

Supporting documentation or testimony must be provide at the meeting to verify code compliance with the above observations in red.

Dave Hendrix
SAFEbuilt
Wisconsin Operations Manager

ECHELON PLUS®

Ornamental Aluminum Fence

FENCE PRODUCTS

AMERISTARPERIMETER.COM | 888-333-3422

Experience a safer and more open world

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ASSA ABLOY

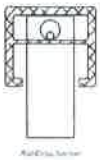
ECHELON PLUS®

ORNAMENTAL ALUMINUM FENCE

The sleek design and superior quality of Echelon Plus is International Building Code (IBC) compliant.

- Exceeds all IBC 2018 Handrail & Guards load requirements
- Standard 8 ft. panels yield project savings
- Redesigned rail for increased strength and maximum load capacity

FORERUNNER® LOCKING SYSTEM



Ameristar reengineered the Echelon Plus ForeRunner rail to maximize strength. The innovative design of the ForeRunner rail contains an internally-secured rod that allows for variable pitch connection and high-angle brasability and eliminates the need for external fasteners.

Increased security

The ForeRunner rail, with an internal retaining rod, prevents the attachment from being compromised. Fasteners are not exposed.

Aesthetic details

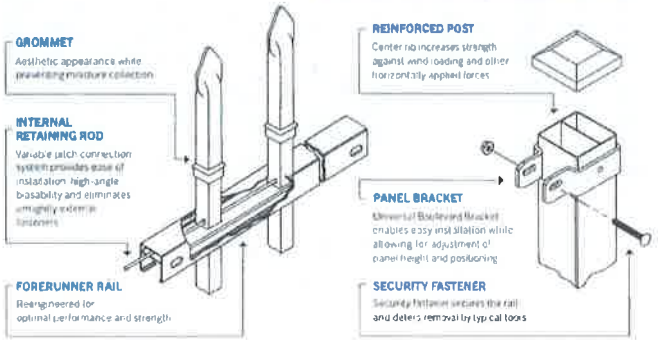
The "Good Neighbor Design" rod follows the ForeRunner centerline, providing a clean and uninterrupted look void of visible screws or rivets.

RAKEABLE VS STAIR-STEP

Having a unique picket to rail connection allows Echelon products a minimum brasability of 10%, eliminating any possible security risks due to large gaps under the fence panels.

FULLY RAKEABLE PANELS

STAIR-STEPPING PANELS



NO RIVETS. NO SCREWS. NO WELDS.

PICKETS	RAILS	POSTS	HEIGHTS
.75" SQ. x .045"	1.4375" x 1.25" x (.110" SIDE / .090" TOP) FORERUNNER® RAILS	2.5" SQ. x .060" *With reinforced internal web*	3', 3½', 4', 4½', 5', 6' *Custom heights also available*

STYLES: CLASSIC™ | MAJESTIC™ | GENESIS® | CONQUEROR® | WARRIOR™

Note: Classic, Majestic, Genesis & Warrior 3 & 4 rail panels are IBC compliant

BOTTOM OPTION: STANDARD BOTTOM RAIL | FLUSH BOTTOM RAIL

PANELS: 3-RAIL & 4-RAIL PANELS AVAILABLE

COLORS: BLACK | BRONZE | WHITE

ADORNMENTS: BALL CAP | RING (internally secured) | BUTTERFLY SCROLL

POOL & PET PERFORMANCE

GATE SYSTEMS

From swing gates for pedestrian or vehicle access to sliding gates for high-functioning points of entry, each of these gate systems is individually constructed to provide project-specific performance.

PUPPY PANELS

Echelon Plus Puppy Panels reduce the space between pickets to less than 2" up to a height of 2' above ground.

NOTE: 4 rail Puppy Panels are IBC compliant

Echelon fence systems are protected to endure the elements and are maintenance free

Echelon fence systems are backed by over 40 years of excellence in the fencing industry

Ameristar is committed to providing products that meet the Buy American Act

MEETS BUY AMERICAN ACT

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ECHELON PLUS®

Why Choose Ameristar?

KNOWLEDGE AND EXPERIENCE

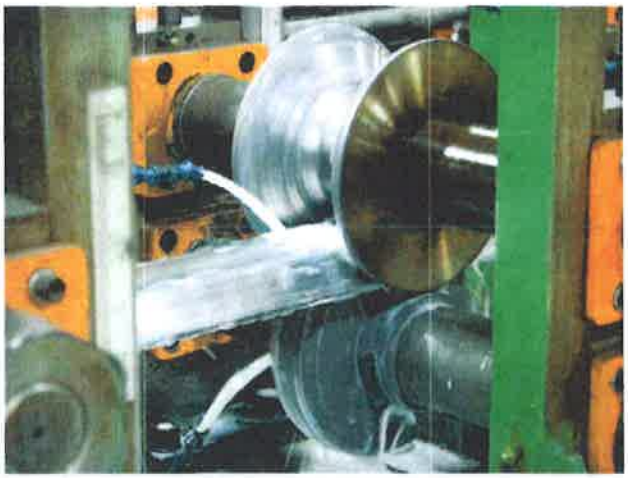
For over 40 years we've delivered aesthetically pleasing, high-quality and innovative fencing products with superior design strength and easy installation.

PROVEN CAPABILITIES

Our integrated in-house processes, extensive raw materials and finished goods inventory translate into quality, on-time delivery.

INDUSTRY LEADERSHIP

We continually raise the bar in manufacturing customer-focused solutions. Our high standards produce premium products that go beyond merely meeting minimum industry standards.



FENCE PRODUCTS

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#9729-2023

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ASSA ABLOY

MASTER HALCO

Spectra® Chain Link

Spectra® Color Chain Link... *Made to perform.*

Our Spectra® Fencing System

Premium quality frame and fabric is guaranteed for 15 years.

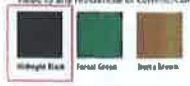
15 Year Warranty

Features and Benefits:

- Zinc-coated steel framework is thoroughly cleaned during the pre-treatment process, then color coated with a 3 mil minimum polyester layer for protection from corrosion.
- All galvanized wire has a 15 mil minimum extruded polyvinyl chloride coating for dual protection from corrosion and the elements.
- Fittings are made of galvanized steel with a 3 mil minimum of polymer layer for protection from corrosion.

Available Colors

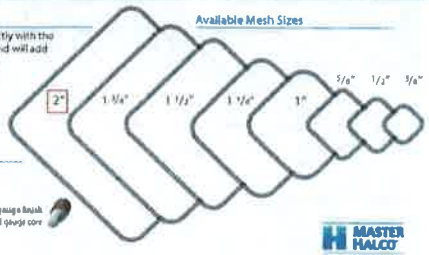
Choose from 3 serene colors that blend in perfectly with the environment. Spectra® defines property lines, and will add value to any residential or commercial property.



Available Wire Gauges (Finish and Core)

Use the finish gauge number when ordering.

Available Mesh Sizes



MASTER HALCO

Spectra® Color Chain Link Recommendations

FABRIC

Spectra® polyvinyl chloride extruded over zinc-coated steel core wire.

FRAMEWORK - TYPE 2

Spectra® polyester resin, 3 mils minimum, over galvanized steel ASTM F 1043, Group 1C, with a minimum yield strength of 50,000 PSI. Protective coating per ASTM 1043, external coating Type B, zinc with organic overcoat, 0.9 ounces per square foot minimum zinc coating with chromate conversion coating and verifiable polymer film.

	Type 2 Residential	Type 2 Commercial
Fabric Gauge	9 gauge and 11 gauge finish	6 gauge, 8 gauge, and 9 gauge finish 6 gauge is not available for 3/8" mesh or 1/2" mesh
Fabric Mesh	1-1/4", 1-1/2", 1-3/4", and 2"	3/8", 1/2", 5/8", 1", 1-1/4", 1-1/2", 1-3/4", and 2"
Fabric Height	3', 42", 4', 5', and 6'	3', 42", 4', 5', 6', 7', 8', 9', 10', and 12'
Fabric Selvage	Knuckle - Knuckle (KK) for 5' and Under. Knuckle - Knuckle (KK) or Knuckle - Twist (KT) for 6'.	Knuckle - Knuckle (KK) for 5' and under; for mesh sizes 1" and smaller. Knuckle - Knuckle (KK) or Knuckle - Twist (KT) for 6' and over.
Top Rail	1-3/8" O.D. Spectra® 17 Gauge or 16 Gauge	1-5/8" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe
Line Posts	1-5/8" O.D. Spectra® 17 Gauge or 16 Gauge	1-7/8" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe 2-3/8" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe
Terminal Posts	1-7/8" O.D. Spectra® 16 Gauge 2-3/8" O.D. Spectra® 16 Gauge	2-3/8" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe 2-7/8" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe 4" O.D. Spectra® Deluxe Quality (DQ) or Spectra® Full Weight Pipe

Gates

Fabric	Same Gauge and Mesh as Chain Link Selected
Frame	Same as Top Rail Selected

Fittings

Tension and Brace Bands	Polymer Coating, 3 Mils Minimum, Over Hot-Dipped Galvanized Pressed Steel
Caps, Eye Tops, Rail Ends	Polymer Coating, 3 Mils Minimum, Over Hot-Dipped Galvanized Pressed Steel or Aluminum
Sleeves	Polymer Coating, 3 Mils Minimum, Over Hot-Dipped Galvanized Steel
Tie Wires	Polymer Coating, 3 Mils Minimum, Over Zinc-Coated Steel Wire

Slats - Privacy

Material Composition	Polyethylene Thermoplastic
Colors	Green, Black, Brown, Gray, Redwood, Blue, Desert Sand

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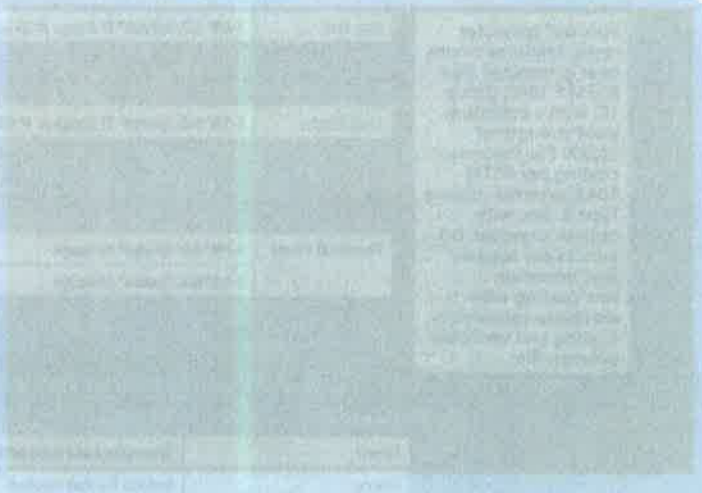
MASTER HALCO WOOD

WESTERN RED CEDAR

Western Red Cedar's botanical name is Thuja plicata. Fence pickets, rails, and posts are one of the most decay-resistant Native American wood types with high durability when exposed to weather. Western Red Cedar is grown and harvested from sustainably managed North American forests. Western Red Cedar can be left natural, painted, or stained. Pre-Stained Western Red Cedar is available with a water-based stain that can be matched to your outdoor living environment.

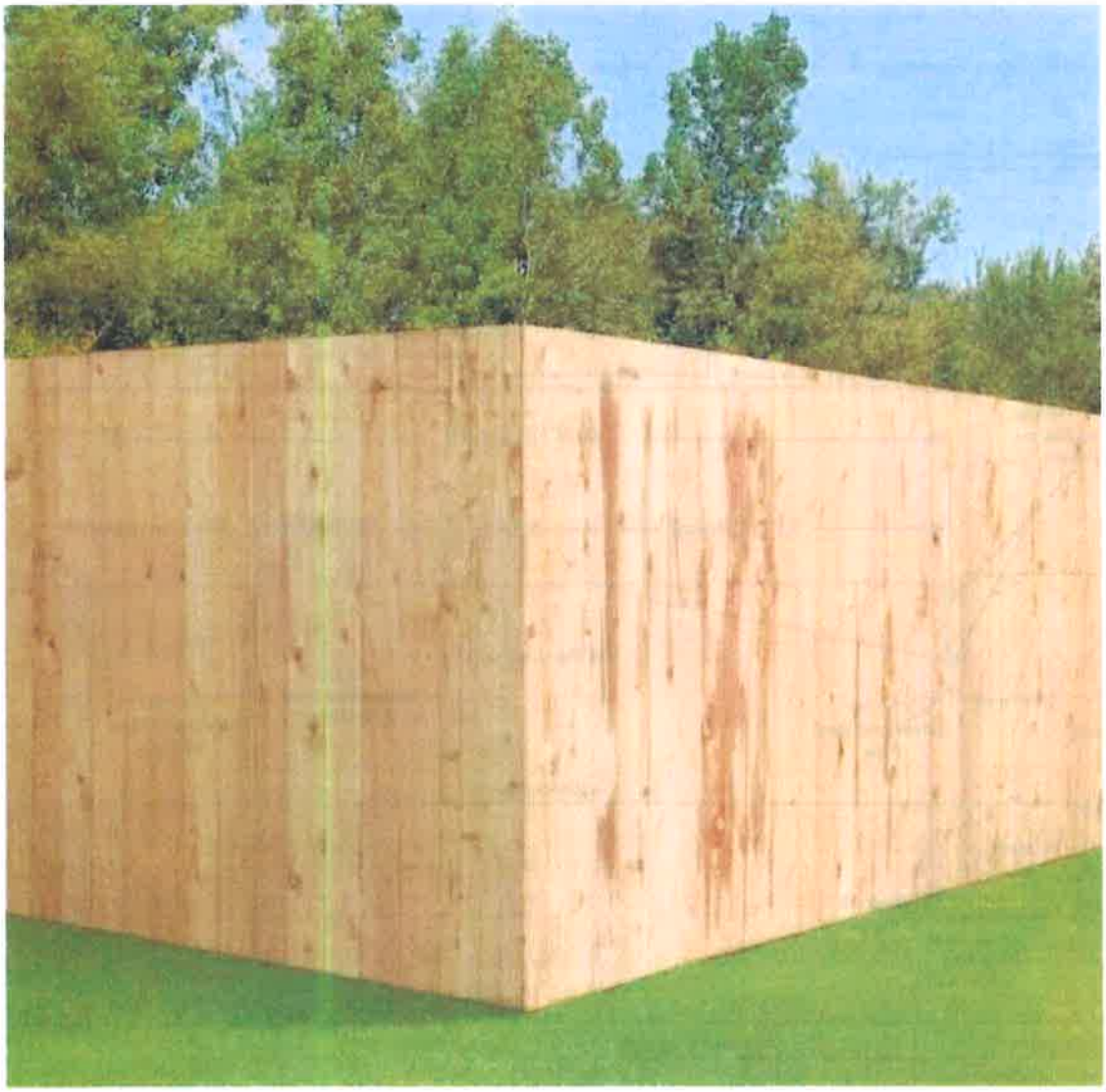


Lengths: 4', 5', 6', 8'

Widths:	Nominal:	4"	6"	8"
	Actual:	3 ½"	5 ½"	7 ½"
Thickness:	Nominal:	1"	1"	
	Actual:	5/8"	¾"	

Grading: Fencing is appearance-graded and categorized by knot size/type and defect, which impacts the visual appeal and performance as a fence board. Boards are graded for 2-face appearance or 1-face appearance.

Availability for Western Red Cedar fencing is the United States and Canada. Typical Fences styles include Solid Board Vertical, Solid Board Horizontal, Board-on-Board, and Alternating Panel. Versatile and easy to work with, you can construct and install any fence style for your project. Longevity can be increased by installing the WRC boards and rails on a PostMaster Plus steel post for wood fence systems. Natural wood texture and colors range from rich amber to cinnamon brown and if left natural, it will age to a silvery grey.



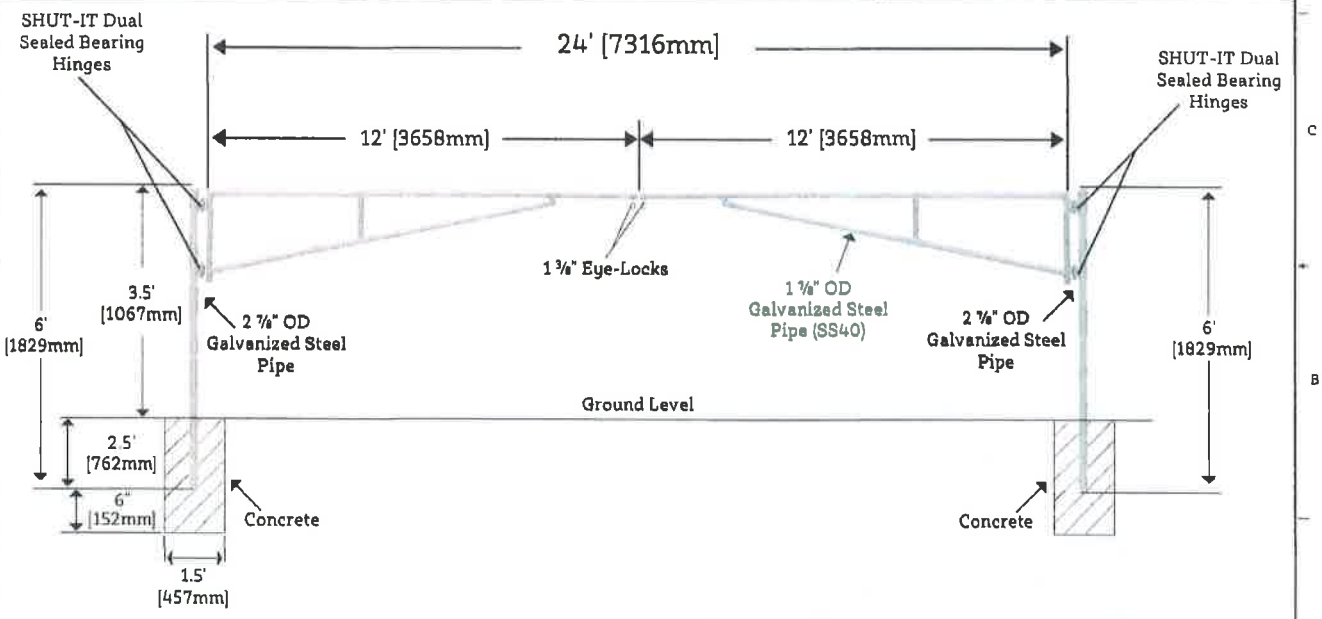
Optional Swing Gate Barrier Receiver Post - 14030R

- Height: 6 ft.
- Galvanized Steel
- Diameter: 3 in. [2 ⅞ in. OD]
- 1 ⅜ in. Eye-Lock Loop

Optional Barrier Arm Gate & Post Safety Tape Kit

- Thickness: 8 Mil.
- MUTCD Compliant
- Red/White & Yellow
- Increases Visibility

Single Gate Models:	Double Gate Models:
14010-10 | 10 ft.	14020-20 | 20 ft.
14010-12 | 12 ft.	14020-24 | 24 ft.
14010-14 | 14 ft.	14020-28 | 28 ft.
14010-15 | 15 ft.	14020-30 | 30 ft.
14010-16 | 16 ft.	14020-32 | 32 ft.
14010-20 | 20 ft.	14020-40 | 40 ft.



Contact Information:	Manufacturer:	Part Number:	Product Description:	Product Specifications:
Web: www.TigerTeethStore.com Phone: (800) 878-7829 Email: Sales@TigerTeethStore.com	Barrier Gate Brands™	14020-24	SENTINEL 24 ft. Manual Double Swing Barrier Gate	• Width: 24 ft. • Material: Galvanized Steel • Installation Type: In-Ground • Barrier Gate Type: Manual Double Swing Gate

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

Proposed Project Details (type of work, size, materials, location, etc.):

This package includes information into traffic considerations for new site layout. This package also includes requested post signage and parking signage on-site and off-site as per coordination with the Village staff. Setback calculation and impervious calculations are included. Through coordinating with the Village in adding another entrance lane and shifting the bus lane out of the ROW the impervious surface is higher than the target, however in speaking with the Village and engineers the approach we've coordinated is acceptable.

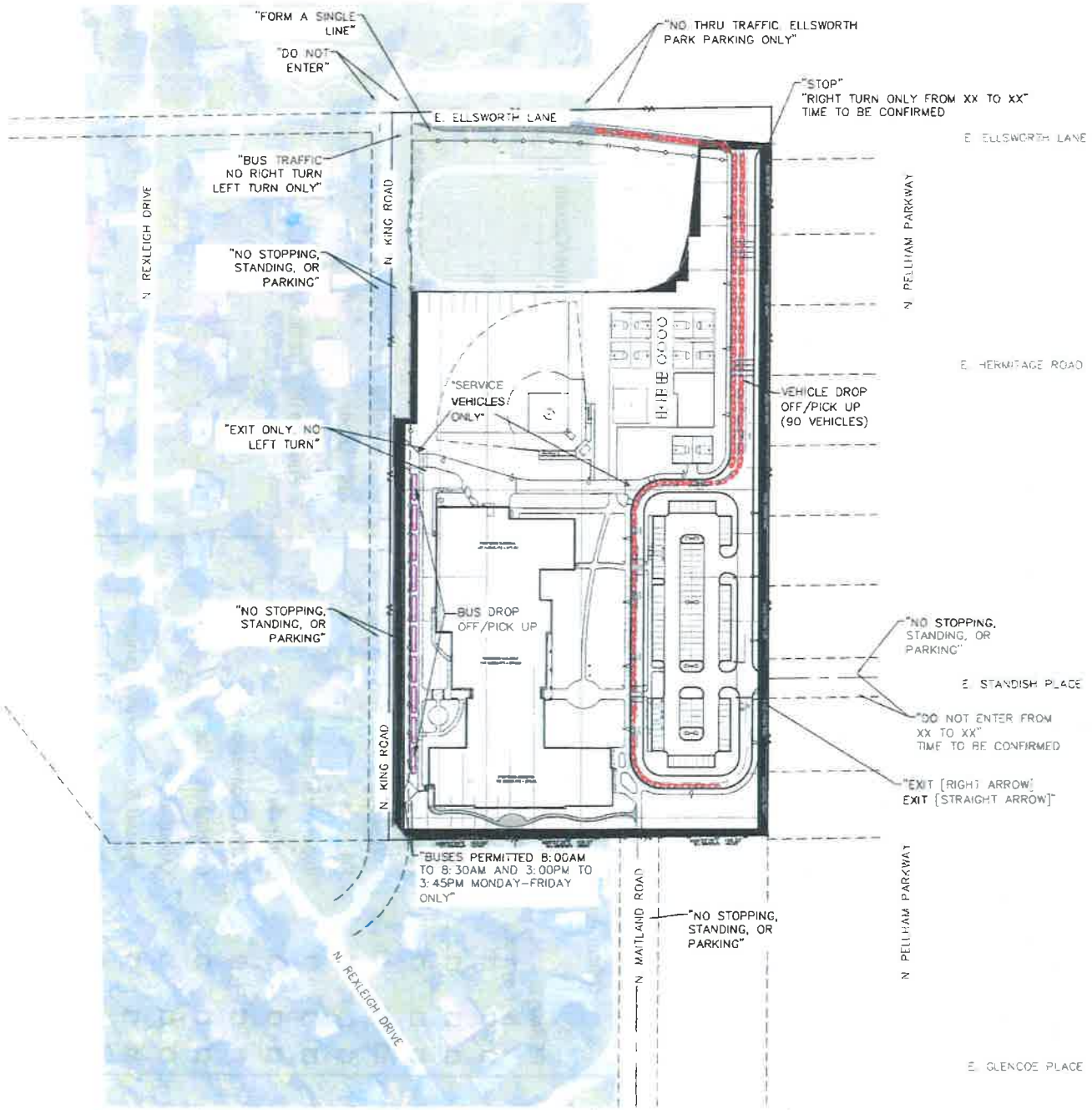
- ☒ ARC Agenda Date: 06/19/2023
- ☒ Parcel Number: 0219983000
- ☐ Color photographs showing project location, elevations, and surround views.
- ☐ Complete digital set of building plans (including elevations and grading).
- ☐ Samples or brochures showing materials, colors, and designs.
- ☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

- ☐ Accessory Structures/Generators
- ☐ Additions/Remodel
- ☐ Commercial Signage
- ☐ Decks/Patios
- ☐ Fence
- ☐ Fire Pits
- ☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit
- ☐ New Construction
- ☐ Play Structures
- ☐ Recreational Facilities/Courts
- ☐ Roofs
- ☐ Solar Panels/Skylights
- ☐ Swimming Pools
- ☐ Windows/Doors – change exceeds 25% of opening
- ☒ Other

Package 06 - Traffic Analysis



DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

eua

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
09/14/2022	ARC SUBMISSION

KEY PLAN

kapur

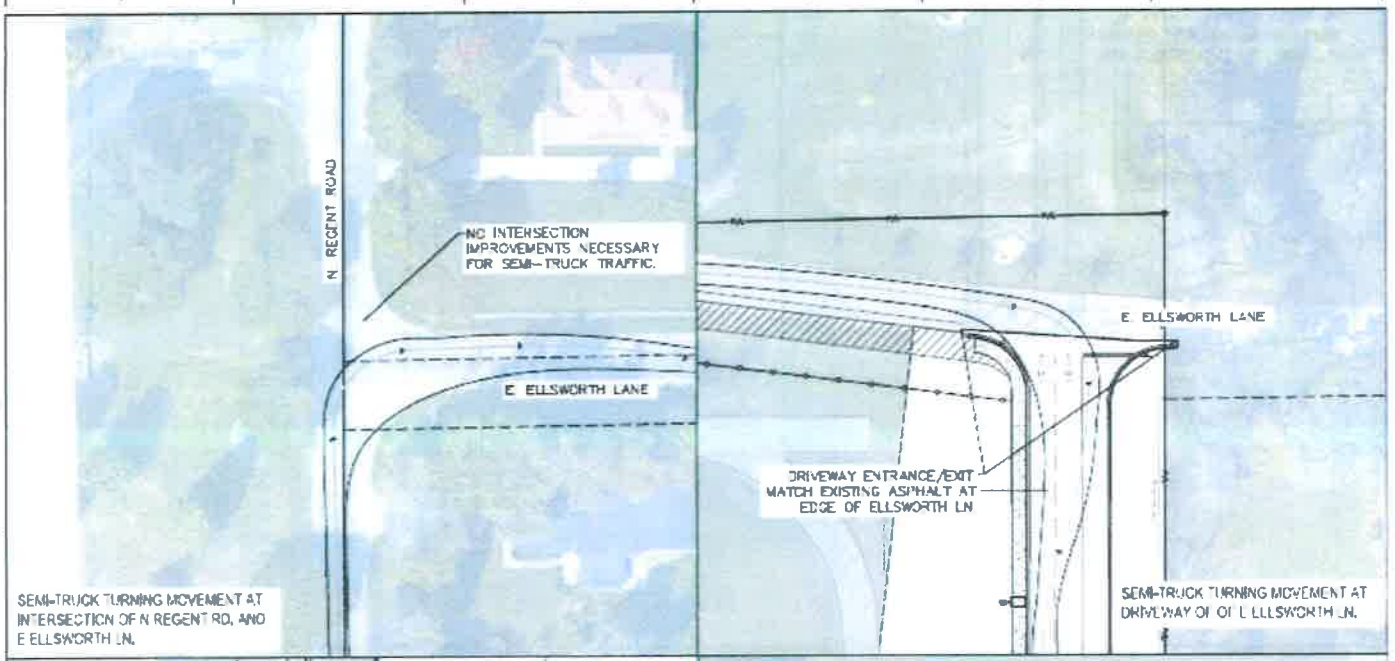
7711 N. Port Washington Road
Milwaukee, Wisconsin 53217

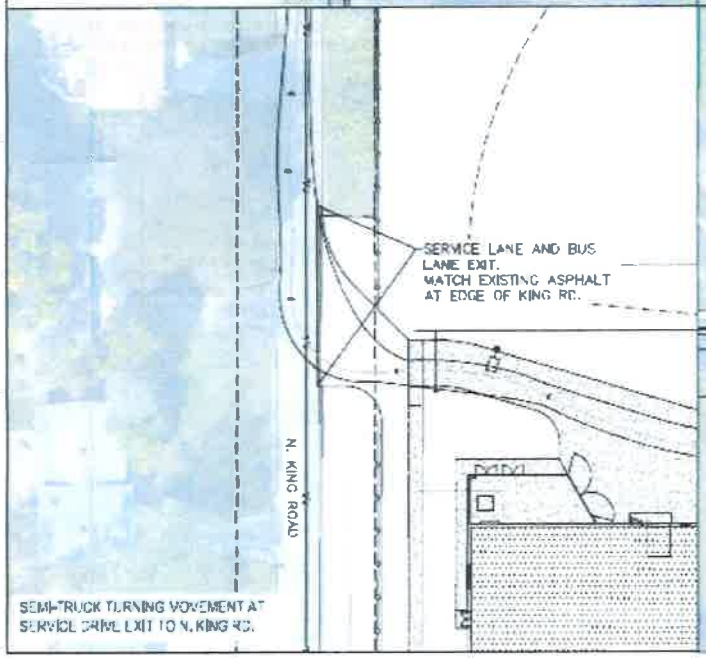
SHEET INFORMATION

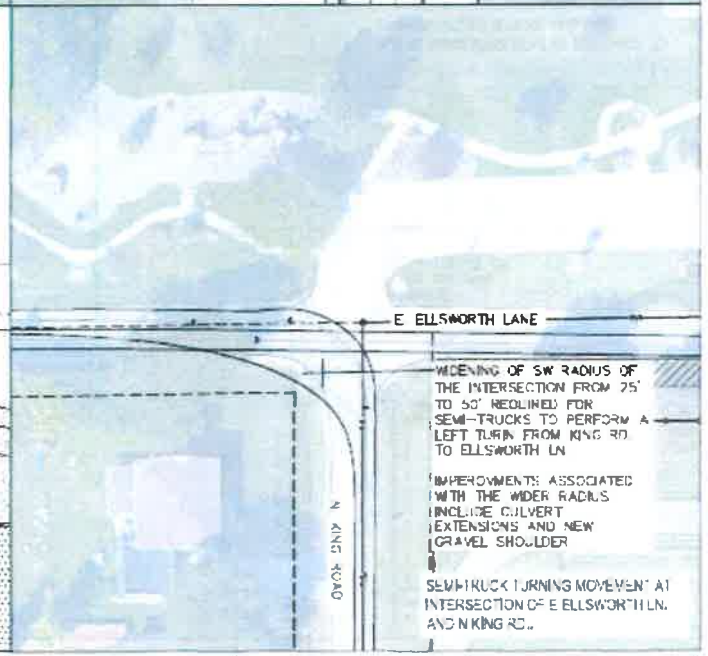
PROJECT MANAGER TS
PROJECT NUMBER 1931.4-22

TRAFFIC ANALYSIS

6







DIGGERS HOTLINE
Dial 811 or 1(800)242-8511

eua

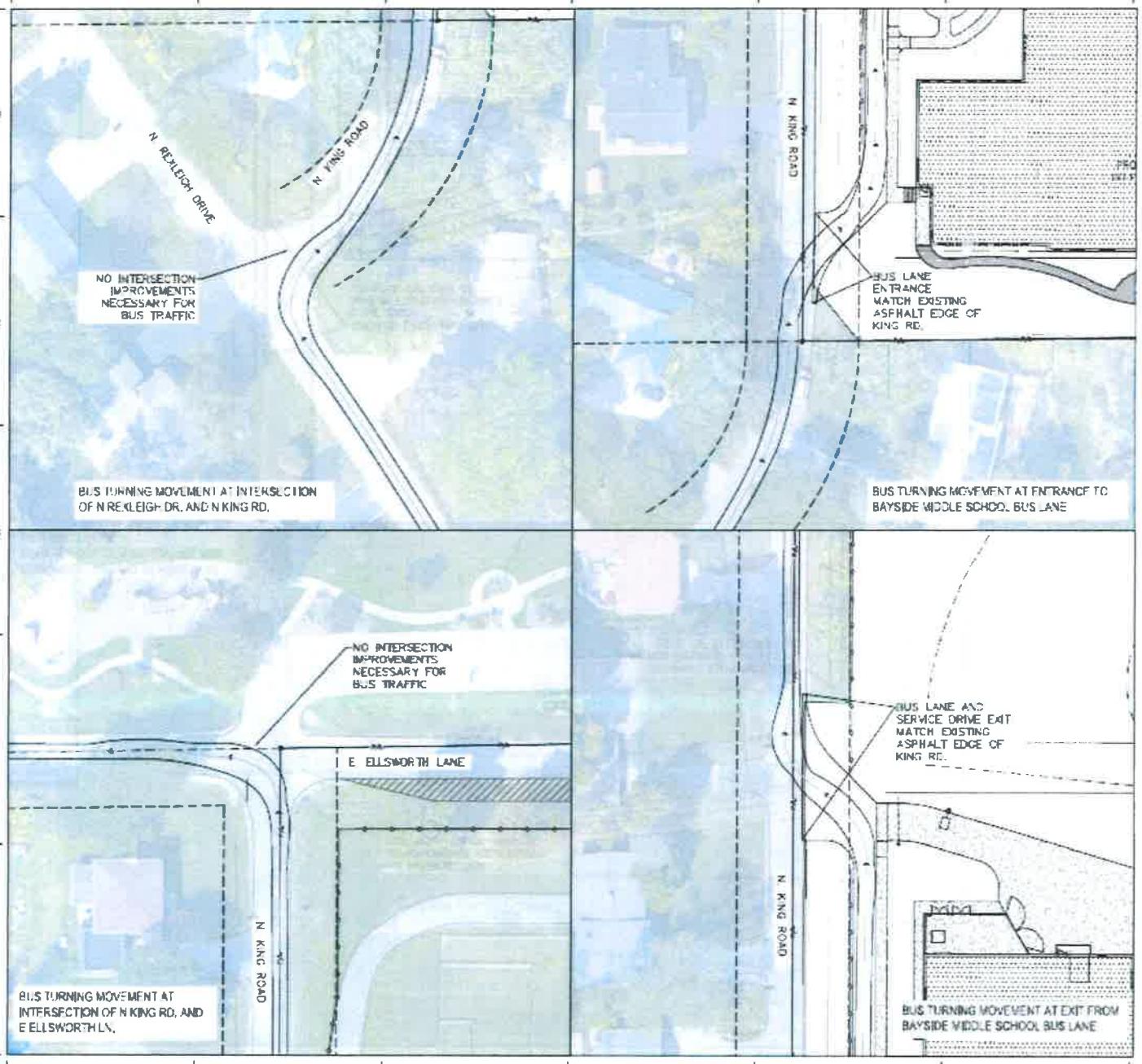
BAYSIDE MIDDLE SCHOOL

681 E ELLSWORTH LN, BAYSIDE, WI 53217

kapur

SEMI-TRUCK TURNING MOVEMENTS

6B



eua

BAYSIDE MIDDLE SCHOOL

801 E ELLSWORTH LN, BAYSIDE, WI 53217

kapur

DIGGERS HOTLINE
Dial 811 or 1(800)242-8511

BUS TURNING MOVEMENTS

6A

SAFEbuilt Wisconsin, LLC
W241 S4135 Pine Hollow Court
Waukesha, WI 53188

06/07/2023

Attention:
Village of Bayside, WI
Architecture Review Committee

PROJECT/SITE OWNER:	PROJECT SUMMARY:
Fox Point-Bayside School District PROJECT ADDRESS: 601 Ellsworth Ln	Exterior lighting

I have reviewed the proposed new fences for compliance with the Village's ordinances and have determined the following for consideration.

1. In reviewing the computer-generated site lighting photometric plan it appears that it complies with the ordinance.
2. The board always considers the aesthetics of the lighting fixtures and poles.

VILLAGE CODE REVIEW

Supporting documentation or testimony must be provide at the meeting to verify code compliance with the above observations in red.

Dave Hendrix
SAFEbuilt
Wisconsin Operations Manager

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

Proposed Project Details (type of work, size, materials, location, etc.):

The exterior lighting plan remains consistent with last submission, plan, photometric and cut sheets are included

☒ ARC Agenda Date: 06/19/2023

☒ Parcel Number: 0219983000

☐ Color photographs showing project location, elevations, and surround views.

☐ Complete digital set of building plans (including elevations and grading).

☐ Samples or brochures showing materials, colors, and designs.

☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

☐ Accessory Structures/Generators

☐ Additions/Remodel

☐ Commercial Signage

☐ Decks/Patios

☐ Fence

☐ Fire Pits

☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit

☐ New Construction

☐ Play Structures

☐ Recreational Facilities/Courts

☐ Roofs

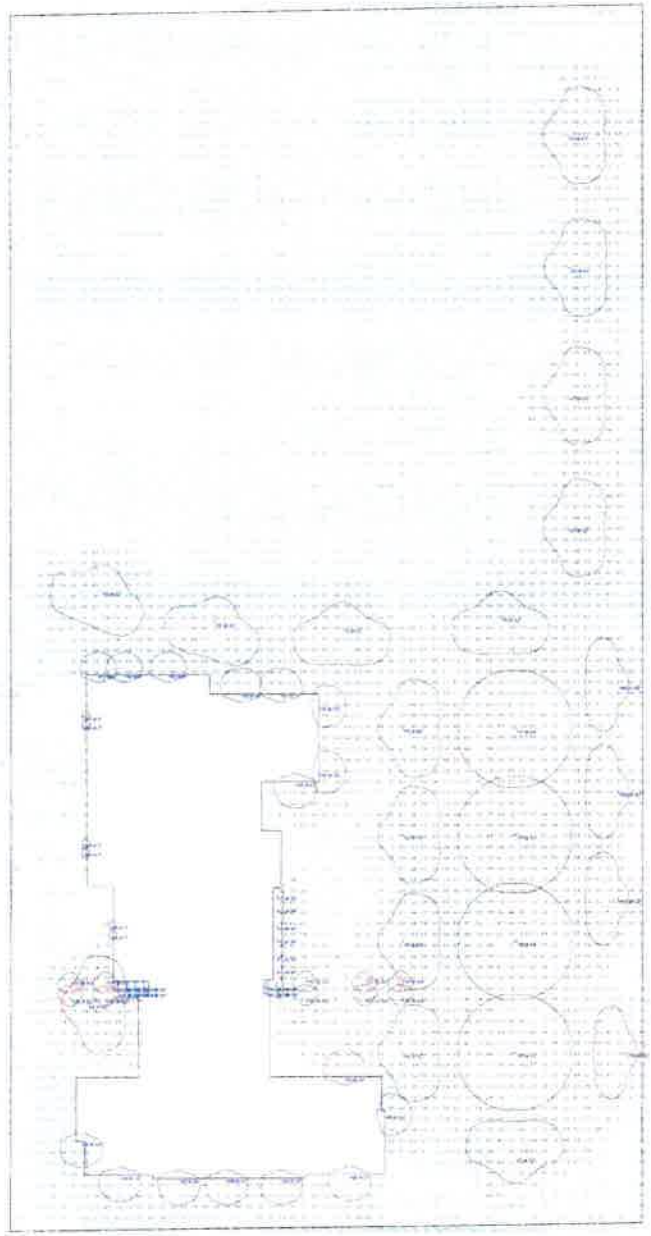
☐ Solar Panels/Skylights

☐ Swimming Pools

☐ Windows/Doors – change exceeds 25% of opening

☒ Other

Package 04 - Exterior Lighting



Proposed
Area Light

Proposed
Light Pole

Proposed Wall
Mounted Light

BAYSIDE MIDDLE SCHOOL
SITE LIGHTING PHOTOMETRICS

ENGINEERING DESIGN BY
MSA

RSX2 LED
Area Luminaire

Catalog Number

Notes

Type

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.

Specifications

EPA (ft²@0°):	0.69 ft² (0.06 m²)
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)

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) [2]	RPA	Round pole mounting (3.2" 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) [5]
	P5		R4S	Type 4 Short	120 [3]	277 [3]	WBA	Wall bracket [1]
	P6		R5	Type 5 Wide	208 [3]	347 [3]	WBASC	Wall bracket with surface conduit box
			R5S	Type 5 Short [1]	240 [3]	480 [3]	AASP	Adjustable tilt arm square pole mounting [5]
			AFR	Automotive Front Row			AARP	Adjustable tilt arm round pole mounting [5]
			AFRR90	Automotive Front Row Right Rotated			AAWB	Adjustable tilt arm with wall bracket [5]
			AFRL90	Automotive Front Row Left Rotated			AAWSC	Adjustable tilt arm wall bracket and surface conduit box [5]

Options		Finish	
Shipped Installed		DDBXD	Dark Bronze
HS	House-side shield [1]	DBLXD	Black
PE	Photocontrol, button style [6]	DNAXD	Natural Aluminum
PEX	Photocontrol external threaded, adjustable [7,8]	DWHXD	White
PER7	Seven-wire twist-lock receptacle only (no controls) [7,9,10]	DDBTXD	Textured Dark Bronze
CE34	Conduit entry 3/4" NPT (Qty 2)	DBLBXD	Textured Black
SF	Single fuse (120, 277, 347) [3]	DNATXD	Textured Natural Aluminum
DF	Double fuse (208, 240, 480) [3]	DWHGXD	Textured White
SPD20KV	20kV Surge pack (10kV standard)		
FAO	Field adjustable output [7,11]		
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) [7,12]		
DS	Dual switching [7,13]		
Shipped Installed			
***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**			
NLTAIR2	nLight AIR generation 2 [7,14,15]		
PIRHN	Networked, 8-Level motion/ambient sensor (for use with NLTAIR2) [7,14]		
BAA	Buy America(n) Act Compliant		
Shipped Separately (requires some field assembly)			
EGS	External glare shield [1]		
EGFV	External glare full visor (360° around light aperture) [1]		
BS	Bird spikes [16]		

*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.

Ordering Information

Accessories

Ordered and shipped separately

RSX2HS	RSX2 House side shield (includes 2 shields)
RSX2EGS (FINISH) U	External glare shield (specify finish)
RSX2HSAFIR (FINISH) U	HSX2 House side shields for AFIR recessed optics (includes 2 shields)
RSX2EGF (FINISH) U	External glare full visor (specify finish)
RSX2RPA (FINISH) U	RSX universal round pole adaptor plate (specify finish)
RSX1WBA (FINISH) U	RSX WBA wall box kit (specify finish) [1]
RSX1CB (FINISH) U	RSX1 surface mounted box (specify finish. For use with WBA. WBA not included)
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [2]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [2]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [2]
DSHORT SSL U	Shorting cap [2]

NOTES

1. Any Type 5 distribution is not available with WBA.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3. HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4. HVOLT driver not available with P1. XVOLT driver operates on any line voltage from 277-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE or PEA.
5. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6. Maximum tilt is 90° above horizontal.
7. It may be ordered as an accessory.
8. Requires MVOLT or 347V.
9. Not available in combination with other light sensing control options (following options cannot be combined: PE, PEA, PER7, FAO, DMG, DS, PIRHN). Exception: PE or PEA and FAO can be combined.
10. Requires 120V, 208V, 240V, or 277V.
11. Terminate photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.
12. For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
13. Two or more of the following options cannot be combined including DMG, DS, PER7, FAO and PIRHN.
14. DS only available on performance package P5 and P6
15. Must be ordered with PIRHN
16. Requires MVOLT or HVOLT.
17. Must be ordered with NLTAIR2. For additional information on PIRHN visit.
18. Must be ordered with fixture for factory pre-drilling
19. 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

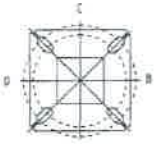
External Glare Shield

External 360 Full Visor

Pole/Mounting Information

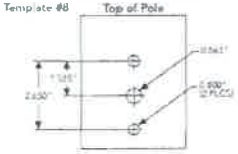
Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

HANDHOLE ORIENTATION

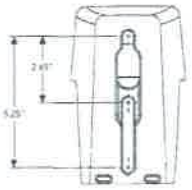


A
Handhole

RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RPA Mounting	Single	2 at 180°	2 at 90°	3 at 120°	4 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
3 - 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 at 180°	2 at 90°	2 at 90°	3 at 120°	4 at 90°
#8	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
	Drill Nomenclature	DM1H4S	DM2H4S	DM2H4S	DM3H4S	DM3H4S	DM4H4S

RSX2 - Luminaire EPA

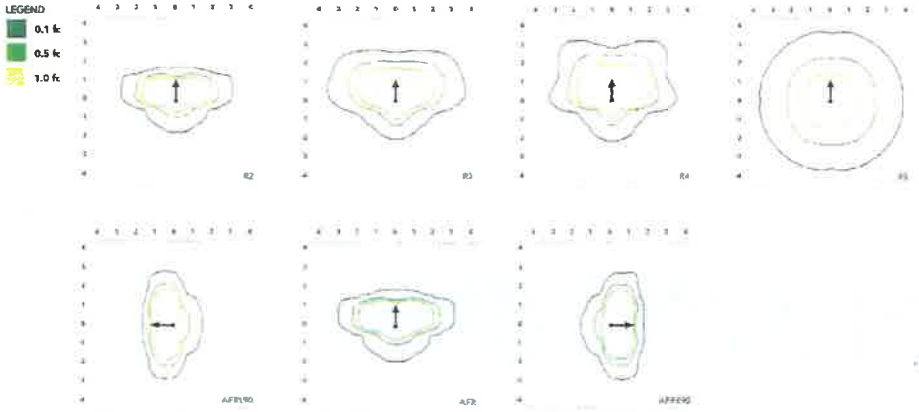
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 at 180°	2 at 90°	3 at 90°	3 at 120°	4 at 90°	4 at 90°	4 at 90°	4 at 90°
Mounting Type	Tilt									
SPA - Square Pole Adaptor	0°	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	1.43	2.23	1.29	1.9	2.58
	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
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	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	3.67	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	5.73	8.57	11.42
	80°	3.4	5.13	5.67	7.34	7.09	10.21	6.79	10.19	13.59
	90°	3.53	5.96	6.33	8.58	8.31	11.84	7.79	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 (BC')



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	Fahrenheit	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

		Current (A)					
Performance Package	System Watts (W)	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	218W	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.

Performance Data

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.

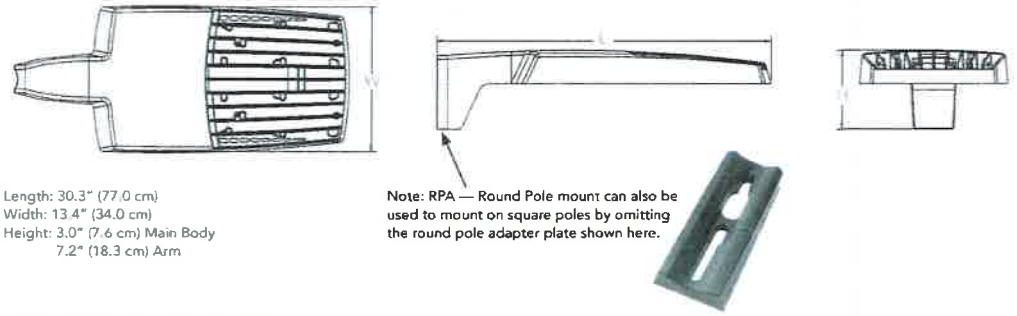
Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	71W	R2	10,040	2	0	1	139	11,031	2	0	1	153	11,031	2	0	1	153
		R3	10,005	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155
		R3S	10,271	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	3	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	19,765	3	0	3	135	21,717	3	0	4	148	21,717	3	0	4	148
		R3S	20,312	3	0	3	133	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	19,826	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	125	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	133
		R4S	22,243	3	0	3	119	25,039	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	132	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	26,463	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

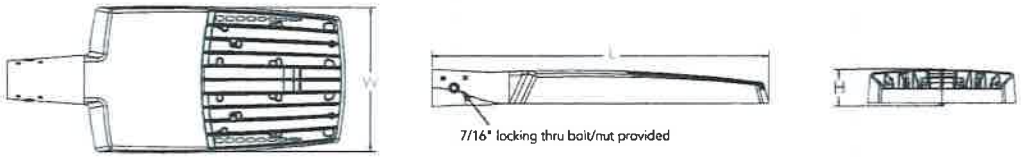
Mounting Configuration	Total luminaire Weight
SPA	30 lbs
RPA	32 lbs
MA	30 lbs
WBA	33 lbs
WBASC	36 lbs
IS	33 lbs
AASP	33 lbs
AARP	35 lbs
AAWB	36 lbs
AAWSC	39 lbs

RSX2 with Round Pole Adapter (RPA)



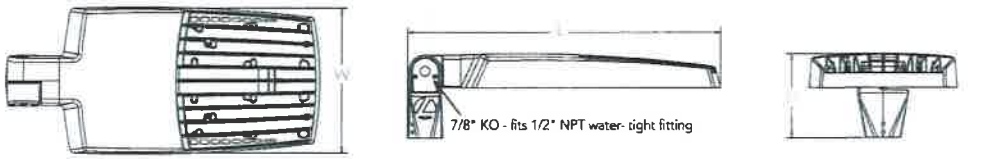
Length: 30.3" (77.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.3 cm) Arm

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

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

Dimensions

RSX2 with Wall Bracket (WBA)

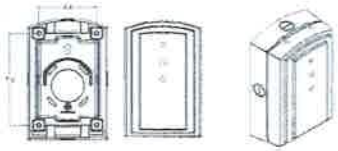
Length: 31.2" (79.2 cm)
Width: 13.4" (41.7 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail

RSX2 with Wall Bracket with Surface Conduit Box (WBASC)

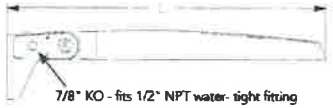
Length: 32.8" (83.3 cm)
Width: 13.4" (41.7 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

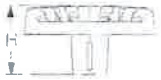
Surface Conduit Box (SCB) Mounting Detail



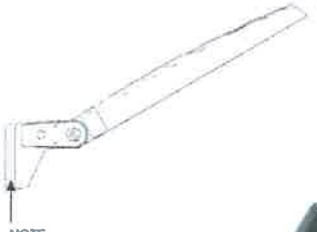
Dimensions

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





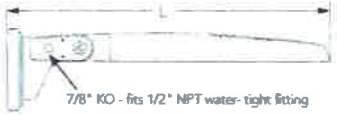
Length: 32.8" (83.3 cm) AASP
33.8" (85.9 cm) AARP
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm



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)

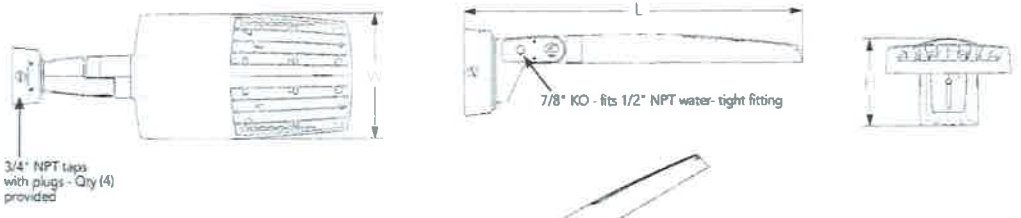


Length: 34.7" (88.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail

Dimensions

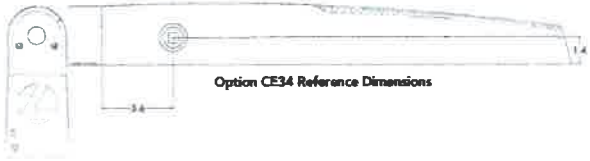
RSX2 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



Length: 36.2" (91.9 cm)
Width: 13.4" (40.0 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

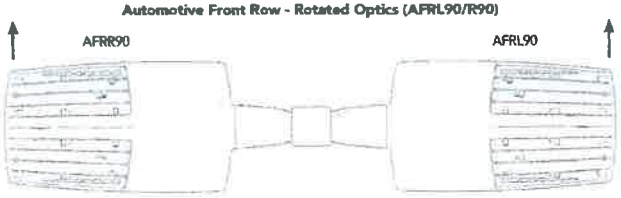
Surface Conduit Box (SCB) Mounting Detail

Additional Reference Drawings



Option CE34 Reference Dimensions

Automotive Front Row - Rotated Optics (AFRL90/R90)



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

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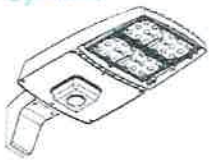
nLight Control - Sensor Coverage and Settings

NLTAIR2 PIRHN nLight
Sensor Coverage Pattern



Top

Side

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 at 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 Clairity 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 family 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 17,000 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 AFR90 and AFR190.

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 >/= 97/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10V dimming driver. 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 override can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found

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 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. US Patent No. D882,146S

BUY AMERICAN ACT
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to for additional information.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

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.

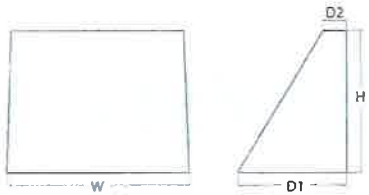
WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic

Catalog Number	
Notes	
Type	

Specifications

Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight: (without options) 13.5 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

Luminaire	Optics	Standard (4K, 6°C)	Cold (5K, 40°F)	Sensor	Approximate Lumens (3000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		–	750	1,200	2,000	–	–	–	–
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	–	1,200	2,000	3,000	4,500	6,000	–
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	–	–
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	–	7,500	8,500	10,000	12,000	–	–
WDGE4 LED	Precision Refractive			Standalone / nLight	–	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0[1]	27K 2700K	70CRI[4]	ETS Type I Short	MVOLT	**Shipped included**
	P1[1]	30K 3000K	80CRI	T2M Type II Medium	347[1]	SRM Surface mounting bracket
	P2[1]	40K 4000K	LW[2] Limited Wavelength	T3M Type III Medium	480[1]	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[3]
	P3[1]	50K 5000K		T4M Type IV Medium		**Shipped separately**
	P4[1]	AMB[1] Amber		TFTM Forward Throw Medium		AWS 3/8 inch Architectural wall spacer
						PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available

Options		Finish	
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)	DDBXD	Dark bronze
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)	DBLXD	Black
PE[1]	Photocell, Button Type	DNAXD	Natural aluminum
DMG[4]	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DWHXD	White
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points	DSSXD	Sandstone
BAA	Buy American Act Compliant	DDBTXD	Textured dark bronze
		DBLBXD	Textured black
		DNATXD	Textured natural aluminum
		DWHGXD	Textured white
		DSSTXD	Textured sandstone

Standalone Sensors/Controls

PIR	Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH	Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIR1FC3V	Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation
PIRH1FC3V	Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation

Networked Sensors/Controls

NLTAIR2 PIR	nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights
NLTAIR2 PIRH	nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights

See page 4 for out of box functionality

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Accessories

Ordered and shipped separately

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2PBBW DDBXD U	WDGE2 surface-mounted back box (specify finish)

NOTES
1 P0 option not available with sensors/controls
2 P1-P4 not available with AMB and LW
3 AMB and LW always go together.
4 70CRI only available with T3M and T4M
5 347V and 480V not available with E10WH or E20WC
6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls
7 PE not available in 480V or with sensors/controls.
8 DMG option not available with sensors/controls

Performance Data

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	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	[illegible]	[illegible]	[illegible]
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	[illegible]	[illegible]	[illegible]
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	[illegible]	[illegible]	[illegible]
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	[illegible]	[illegible]	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,128	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1
		T4M	723	105	0	0	0	748	108	0	0	0	804	117	0	0	1	814	118	0	0	1
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,443	129	1	0	1
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2

Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Optics	Lumens
E10WH	1,358
E20WC	2,230

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11)

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage Tested in accordance with IESNA LM-79 and LM-80 standards.

Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1 800 705 SERV (7378) •

Control / Sensor Options

Motion/Ambient Sensor (PIR_, PIRH_)

Motion/Ambeint sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

PIR

HIGH VIEW

PIRH

SIDE VIEW

TOP VIEW

Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

Mounting, Options & Accessories

Motion/Ambient Sensor

D = 7"

H = 9" (Standalone controls)
11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)

W = 11.5"

PBBW – Surface-Mounted Back Box
Use when there is no junction box available.

D = 1.75"

H = 9"

W = 11.5"

AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE
Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings

CONSTRUCTION
The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire

FINISH
Exterior painted 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 a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight

ELECTRICAL
Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. 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 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 2700K and 3000K color temperature only and SRM mounting only

BUY AMERICAN ACT
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to for additional information

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at

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.

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

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

INSTALLATION — Do not erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA

SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 SC DM19 DDBXD

SSS						
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness[1]**	**Mounting[2]**		**Options**	**Finish[14]**
SSS	**10'-39'** (for 1/2 ft increments, add -6 to the pole height Ex: 20-6 equals 20ft 6in.) See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") See technical information table for complete ordering information.)	**Tenon mounting** PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) **KAC/KAD/KSE/KSS/KVR/KVF Drill mounting[4]** DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° **CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting[4]** DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° **RAD drill mounting[4,5]** DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° **ESX Drill mounting[4]** DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90° **AERIS™ Suspend drill mounting[4,6]** DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° **OMERO™ Suspend drill mounting[4,6]** DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	**Shipped installed** VD Vibration damper[7] HAxy Horizontal arm bracket (1 fixture)[8,9] FDLxy Festoon outlet less electrical[8,10] CPL12/xy 1/2" coupling[4] CPL34/xy 3/4" coupling[4] CPLI/xy 1" coupling[4] NPL12/xy 1/2" threaded nipple[4] NPL34/xy 3/4" threaded nipple[4] NPL1/xy 1" threaded nipple[4] EHHxy Extra handhole[4,11] STLHHC Steel handhole cover (standard is plastic, finish is smooth) STLFBC2PC 2 Piece steel base cover (standard is plastic) IC Interior coating[12] L/AB Less anchor bolts (include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (includes NEC compliant cover) BAA Buy America(n) Act Compliant[13]	**Super durable paint colors** DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white **Other finishes** GALV Galvanized finish **Architectural colors and special finishes** Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:

1. Handhole covers (HHC), full base covers (FBC) and top caps (TC) shipped separately. No need to call out in nomenclature. For additional parts please order as replacements.
2. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
3. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
4. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
5. All RAD drilling's require a minimum top O.D. of 4".
6. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
7. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
   Example: Pole height is 25ft. A provision cannot be placed above 16ft.
8. Specify location and orientation when ordering option.
   For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
   Example: 5ft = 5 and 20ft 3in = 20-3
   For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
9. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxy. *Example: HA20B0.*
10. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
11. Combination of tenon top and drill mount includes extra handhole. EHH includes cover.
12. Provides enhanced corrosion resistance.
13. Use when mill certifications are required.
14. Finish must be specified. Additional colors available; see Architectural Colors brochure linked here (Form No. 794.3) Lead times may be extended up to 7 weeks due to paint procurement.

Accessories: *Order as separate catalog number.*	
PLDT20	Plugs for ESX drillings
PLDT8	Plugs for DMxxAS drillings

SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft²) with 1.3 gust

Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft²) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	8–9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	8–9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	8–9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	8–9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	8–9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	8–9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	8–9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	10–12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	10–12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	8–9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	8–9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	10–12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	10–12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	8–9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	–	–	10–12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	10–12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	11–13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	–	–	10–12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	11–13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	–	–	11–13	1 x 36 x 4	605

NOTE: * EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex. 20-6 equals 20ft 6in

TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013

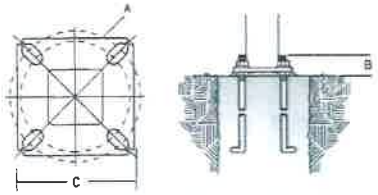
Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	–	–	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	–	–	–	–	–	–	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25			205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	–	–	–	–	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	–	–	–	–	–	–	–	–	–	–	170
SSS	25	4G	5.5	138	3	75	1.5	38	–	–	–	–	–	–	–	–	245
SSS	25	5C	4.5	113	2	50	–	–	–	–	–	–	–	–	–	–	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	–	–	–	–	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25			445
SSS	30	4G	1.5	38	–	–	–	–	–	–	–	–	–	–	–	–	291
SSS	30	5C	–	–	–	–	–	–	–	–	–	–	–	–	–	–	265
SSS	30	5G	6.5	163	3.5	88	1	25	–	–	–	–	–	–	–	–	380
SSS	30	6G	11	275	6	150	2.5	63	–	–	–	–	–	–	–	–	520
SSS	35	5G	2	50	–	–	–	–	–	–	–	–	–	–	–	–	440
SSS	35	6G	4	100	–	–	–	–	–	–	–	–	–	–	–	–	540
SSS	39	6G	–	–	–	–	–	–	–	–	–	–	–	–	–	–	605

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above)

*For 1/2 ft increments, add -6 to the pole height. Ex. 20-5 equals 20ft 6in

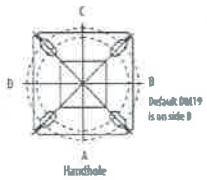
SSS Square Straight Steel Poles

BASE DETAIL



POLE DATA							
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	N/A

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

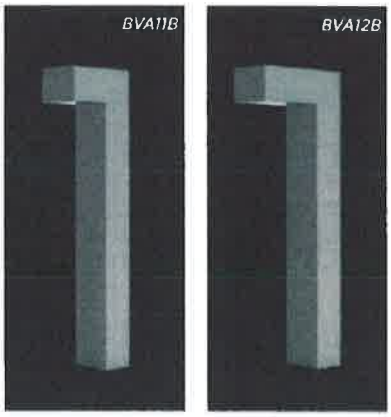
LUMINIS®

BVA11B/BVA12B SERIES
Bellevue
BOLLARD

TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:								
	MODEL	LED LIGHT SELECTION	CCT	VOLTAGE	FINISH	OPTION	OPTION	OPTION

1- Front cover constructed of corrosion resistant aluminum.
2- 4.5" (114mm) x 6" (152mm) Extruded aluminum optical chamber.
3- Available in configurations of 9 LEDs or 18 LEDs
4- Clear tempered glass.
5- 4.5" (114mm) x 6" (152mm) 6063-T6 aluminum pole, 0.125" wall thickness. All stainless steel hardware.



MATERIALS
Bellevue bollard is made of 6063-T6 extruded aluminum alloy
LED board is assembled on a thick extruded aluminum profile and protected by a clear tempered glass. The acrylic optics provide a wide range of IES type distribution. The driver is mounted inside the fixture which is accessible from the back of the fixture head for ease of maintenance.

ELECTRICAL
DRIVER Standard driver is 120-277V multi-volt compatibility (50-60Hz), 0-10V dimming-ready (dims to 10%). Optional 347/480V, operating temperatures of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery.

LED Type I, II, III, IV light distribution via high performance optical lenses. Offered in 2700K, 3000K, 3500K, 4000K / 80 CRI.

Optional true amber LED for turtle sensitive areas.

Wavelengths: 584.5nm to 597nm.

LIFETIME
60,000hrs L70B50 (based on LM-80 report for lumen maintenance).

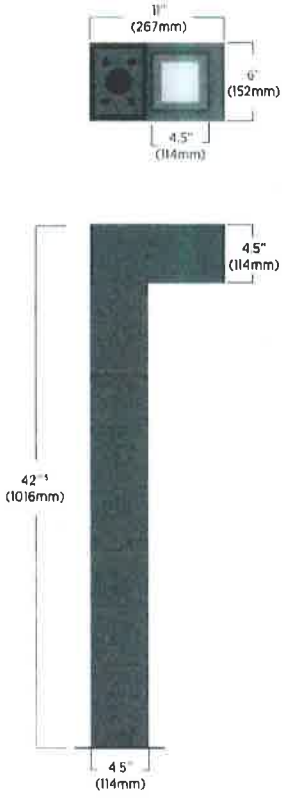
FINISH
Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION
Certified and Approved as per CSA C22.2 No. 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP65. Rated IK10.

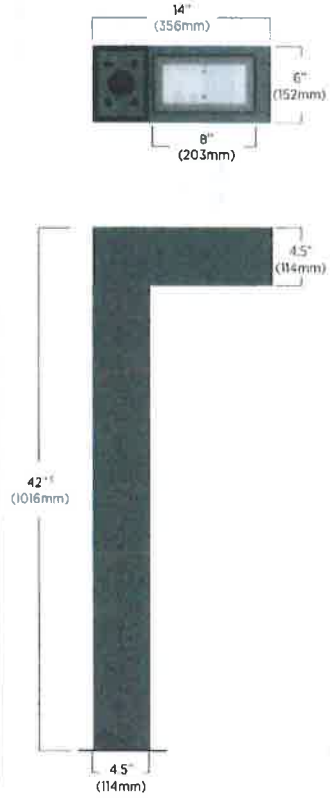
Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards.

MOUNTING
Maximum weight: 25 lbs (11.3 kg)
Bellevue is designed for ease of access and installation.
The head is secured on a mounting bracket that is accessible from the inside. The base plate is secured with a set of (4) 3/8"-16 x 10" lg. galvanized hook anchor bolts.

BVA11B



BVA12B



LUMINAIRE SELECTION - BVA11B/BVA12B

❶ MODEL ❷ LED LIGHT SELECTION ❸ CCT °K LED ❹ VOLTAGE ' ❺ FINISH

☐ **BVA11B**

WHITE LED SELECTION

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE I	☐ L1L10-TYP1	1205	11W
	☐ L1L16-TYP1	1846	19W
	☐ L1L24-TYP1	2635	30W
TYPE II	☐ L1L10-TYP2	1072	11W
	☐ L1L16-TYP2	1643	19W
	☐ L1L24-TYP2	2345	30W
TYPE III	☐ L1L10-TYP3	977	11W
	☐ L1L16-TYP3	1497	19W
	☐ L1L24-TYP3	2137	30W
TYPE IV	☐ L1L10-TYP4	904	11W
	☐ L1L16-TYP4	1384	19W
	☐ L1L24-TYP4	1976	30W

TEMPERATURE*

☐ **K27**	2700K
☐ **K30**	3000K
☐ **K35**	3500K
☐ **K40**	4000K

STANDARD

☐ 120V
☐ 208V
☐ 240V
☐ 277V

OPTIONAL

☐ 347V
☐ 480V

STANDARD COLORS

☐ **WHT**	Snow white
☐ **BKT**	Jet black
☐ **BZT**	Bronze
☐ **MST**	Matte silver
☐ **GRT**	Titanium gray
☐ **DGT**	Gun metal
☐ **CHT**	Champagne
☐ **SGT**	Steel gray
☐ **BGT**	English cream

OPTIONAL COLORS

☐ **CS**	Custom color
☐ **RAL**	RAL# color

AMBER LED SELECTION - TURTLE FRIENDLY

TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE I	☐ L1LK2A-TYP1	349	8W
TYPE II	☐ L1LK2A-TYP2	311	8W
TYPE III	☐ L1LK2A-TYP3	283	8W
TYPE IV	☐ L1LK2A-TYP4	262	8W

☐ **BVA12B**

WHITE LED SELECTION

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE I	☐ L2L26-TYP1	2957	29W
	☐ L2L34-TYP1	3692	38W
	☐ L2L40-TYP1	4248	46W
TYPE II	☐ L2L26-TYP2	2632	29W
	☐ L2L34-TYP2	3285	38W
	☐ L2L40-TYP2	3780	46W
TYPE III	☐ L2L26-TYP3	2398	29W
	☐ L2L34-TYP3	2994	38W
	☐ L2L40-TYP3	3445	46W
TYPE IV	☐ L2L26-TYP4	2218	29W
	☐ L2L34-TYP4	2769	38W
	☐ L2L40-TYP4	3186	46W

AMBER LED SELECTION - TURTLE FRIENDLY

TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE I	☐ L2LK2A-TYP1	698	16W
TYPE II	☐ L2LK2A-TYP2	621	16W
TYPE III	☐ L2LK2A-TYP3	566	16W
TYPE IV	☐ L2LK2A-TYP4	524	16W

For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

LUMINIS®

OPTIONS

PHOTOCELL
☐ PH Thermal button photocell mounted on top casted housing (as shown on image). Instant turn-on, standard 5-10 second turn-off time delay.

FUSE SAFETY
☐ FS Fuse

SURGE PROTECTOR
☐ SP 10kV surge protector

FAUX WOOD COLORS[4]

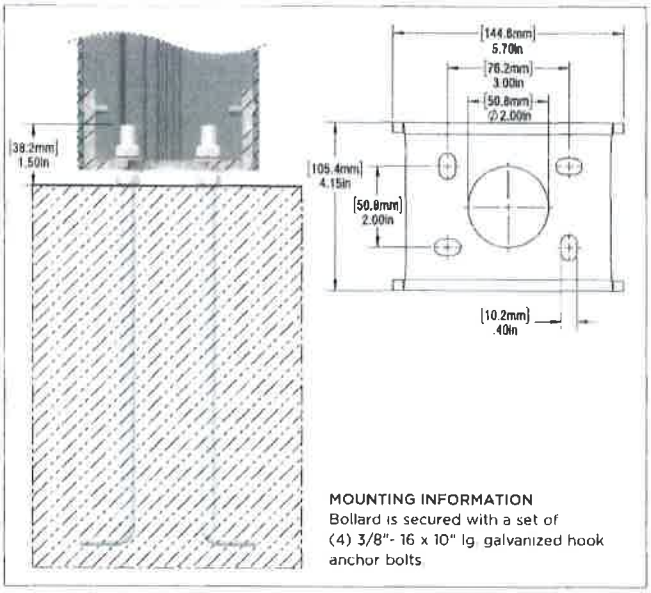
☐ ADG	American douglas	☐ MPL	Maple
☐ BRC	Birch	☐ OFL	Oak
☐ CHN	Chestnut	☐ RSW	Rosewood
☐ CRY	Cherry	☐ TEK	Teak
☐ KNP	Knotty pine	☐ WLN	Walnut

GROUND FAULT CIRCUIT INTERRUPTION[3]
☐ GFI Ground fault circuit interruption flush receptacle. Access door secured with torx screws.

ENVIRONMENT
☐ MG Marine grade paint[2]
☐ NT Natatorium (only available in WHT and BKT)

NOTES
1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory
2- Marine grade paint for harsh, coastal environment and exposure to salt water. Longer lead time may apply please contact factory for info
3- GFI option are installed 27" above grade. GFI flush cover. GFI receptacle by others. 120V required for GFI
4- Faux wood finish not applied to the fixture head
5- For additional height, contact factory. Longer lead time may apply

MOUNTING INFORMATION



MOUNTING INFORMATION
Bollard is secured with a set of (4) 3/8"- 16 x 10" lg. galvanized hook anchor bolts.

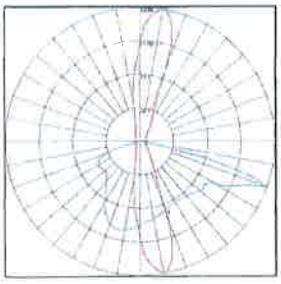
OPTIONS DETAILS

PH
Button thermal photocontrol mounted on the top of the fixture as shown.

GFI
Ground fault circuit interruption flush receptacle

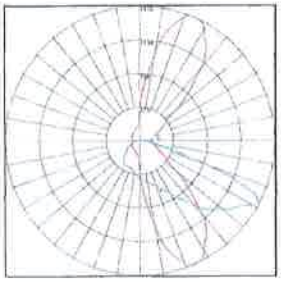
LUMINIS.

TYPICAL PHOTOMETRY SUMMARY



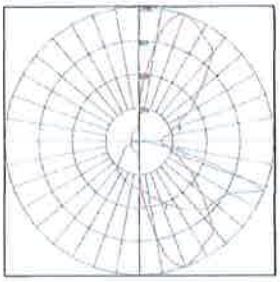
BVA11B-L1L24-TYP1

Delivered lumens : 2635 lumens
Power consumption 30.5W
Efficacy : 87 Lumens/Watt
Maximum Candela : 1466 @ 80°H/70°V
BUG : B1-U0-G1



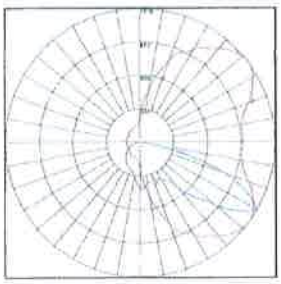
BVA11B-L1L24-TYP2

Delivered lumens : 2345 lumens
Power consumption 30.5W
Efficacy : 77 Lumens/Watt
Maximum Candela : 1195 @ 68°H/62°V
BUG : B1-U0-G0



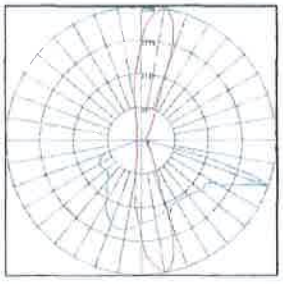
BVA11B-L1L24-TYP3

Delivered lumens : 2145 lumens
Power consumption 30.5W
Efficacy : 70 Lumens/Watt
Maximum Candela : 1195 @ 70°H/68°V
BUG : B1-U0-G0



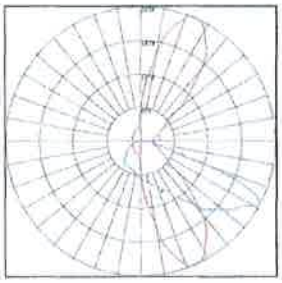
BVA11B-L1L24-TYP4

Delivered lumens : 1976 lumens
Power consumption 30.5W
Efficacy : 65 Lumens/Watt
Maximum Candela : 1216 @ 38°H/60°V
BUG : B1-U0-G1



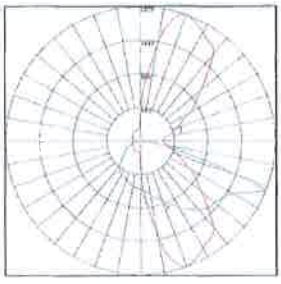
BVA12B-L2L40-TYP1

Delivered lumens : 4274 lumens
Power consumption 46.3W
Efficacy : 92 Lumens/Watt
Maximum Candela : 2364 @ 80°H/70°V
BUG : B2-U0-G1



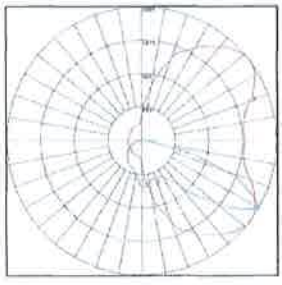
BVA12B-L2L40-TYP2

Delivered lumens : 3780 lumens
Power consumption 46.3W
Efficacy : 81 Lumens/Watt
Maximum Candela : 2438 @ 68°H/62°V
BUG : B1-U0-G1



BVA12B-L2L40-TYP3

Delivered lumens : 3445 lumens
Power consumption 46.3W
Efficacy : 75 Lumens/Watt
Maximum Candela : 1937 @ 70°H/68°V
BUG : B1-U0-G1



BVA12B-L2L40-TYP4

Delivered lumens : 3186 lumens
Power consumption 46.3W
Efficacy : 69 Lumens/Watt
Maximum Candela : 1961 @ 38°H/60°V
BUG : B1-U0-G1

LUMEN CONVERSION FACTOR (LCF)

CCT	LCF	CRI
2700K	0.91	80
3000K	0.94	80
3500K	0.98	80
4000K	1.00	80

LUMINIS.

520 Sentinel

Project: _____

Location: _____

Catalog Number	MODEL	WATTS	FINISH	OPTION(S)
Example: 520-1LED14-BLK-40K	520	-	-	-

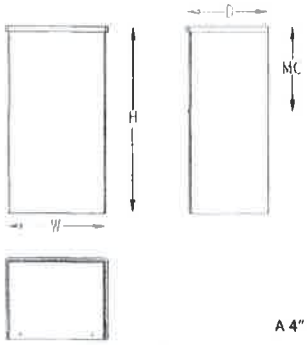
Small and compact, with a powerful downward punch of light and direct cutoff, the Sentinel is a very efficient luminaire. Utilizing an LED source, this product is perfect for porches and outdoor staircases as well as grazing desirable walls.

Features:

- Small compact fixture provides ample amount of downlight
- Brushed aluminum or painted finish
- Custom laser cut images available. Consult factory for pricing
- Bottom lens standard
- Compliant with all ADA requirements
- Standard 0-10V dimming driver. 120-277V MVOLT
- Listed and approved for wet locations
- Manufactured in the USA

Dimensions

Width	Height	Depth
5"	9"	4"



A 4" octagonal junction box should be used for installation

MC = Mounting Center, located at center of fixture unless noted otherwise

Ordering Information/Options

Model	Watts			Finishes		Options	
520	1LED9	1100 Lumens		WHT	White	PC	Photo Cell
	1LED14	1550 Lumens	MVOLT	BLK	Black	30K	3000 Kelvin Temperature
	1LED19	2000 Lumens		SAL	Silver	35K	3500 Kelvin Temperature
				BRZ	Bronze	40K	4000 Kelvin Temperature
				BA	Brushed Aluminum		

Indessa Lighting

PHONE: 509.924.0243 www.indessa.com

VIA 4 SEAL

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS ST/DY
VIA WEATHER SERIES

LUMENWERX

5 YEAR WARRANTY

Project:

Type

DESCRIPTION

Sealed with silicone gaskets, Via Seal fixtures are intended for wet locations and can be pendant, surface, wall, or recessed mounted. They can act alone as discrete luminaires, or be arranged in continuous lines or patterns. Via 4 Seal is suitable for wet locations where temperatures are moderate and in which spaces are regularly wiped down and frequently in contact with debris and/or moisture. The fixture can be used to create continuous, unbroken lines of light. Via 4 Seal is also offered as Wet Listed certified by ETL (Electrical Testing Laboratories), in which case, it is able to withstand smaller particles of debris and light water infiltration. Via 4 Seal Wet Listed can also be used to create continuous lines of light, but with subtle breaks at 12-foot increments. See separate spec sheets for patterns and other available mountings.

SENSORS
For latest information on sensors, click here

IMPORTANT
Fixture must be installed with direct lens facing down

IK05 LEVEL 1 LEVEL 2

Up to 117 lm/W performance

Order Guide

LUMINAIRE ID	DISTRIBUTION	ENVIRONMENT [1]	DIRECT OPTIC	INDIRECT OPTIC Specify NA for Direct fixture	LIGHT SOURCE [4]
V4SEALP					
V4SEALP Via 4" Seal Pendant	**D** Direct **DI** [1] Direct/Indirect Not available with WETL option	**WET** [2] Wet Suitable (IP44) **WETL** [3,4] Wet Listed (IP54) See page 4 for more information on each environment option [2] Suitable for outdoor environments only when installed under canopy. Not suitable for extreme weather environments. Consult factory for low temperature applications. Can be slightly exposed to water. A minimal shadow line visible at every 12". Not available with Direct/Indirect.	**EPDO** Environmentally Protected Direct Optic **ASDO** Asymmetric Soft Direct Optic	**EPIO** Environmentally Protected Indirect Optic **ASIO** [5] Asymmetric Soft Indirect Optic **WIO2** [5] Widespread Indirect Optic **NA** Not applicable Not available with BIOS	**SW** Static white **BIOSST** Static biologically optimized lighting **BIOSDY** Dynamic biologically optimized lighting Chromaworx Sola and Duo also available. Consult other spec sheet.

CRI	DIR. LUM. PACK.	INDIR. LUM. PACK. Specify NA for Direct fixture	COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE	DRIVER [14]
80 80 CRI **90** [7] 90 CRI Not available with BIOS	**500** Low output 500 lm/ft **750** [8] Medium output 750 lm/ft **1000** [8] High output 1000 lm/ft [8] Not available with BIOS	**500** Low output 500 lm/ft **750** [8] Medium output 750 lm/ft **1000** [8] High output 1000 lm/ft **NA** Not applicable Not available with BIOS	**27** [10] 2700K **30** 3000K **35** 3500K **40** 4000K **50** [10] 5000K Not available with BIOS	**#FT#IN** [11,12] Specify nominal length (#) in 1' and/or 1" increments **Standard nominal lengths:** Single units: 2', 12' Continuous runs: lengths over 12' Minimum 3' for Direct/Indirect models. With BIOSDY, specify in 2' increments only.	**120** 120V **277** 277V **UNV** 120V-277V **347** [13] 347V Available with DI only	**D1** 1% 0-10V **DA** [15] DALI **LTEA2W** [16] Lutron 1% - 2 wire FP 120V **LDE1** [16] Lutron Hi-lume 1% Eco **ELD1** eldoLED 1% ECOdrive 0-10V **ELD0** eldoLED 0.1% SOLOdrive 0-10V **LTD10** [17] Low temperature 10% 0-10V PoE (Power over Ethernet) compatible. Consult factory for details. On-site commissioning is required. Available with 120V only. Suitable for temperatures down to -40°C/-F.

ELECTRICAL	ELECTRICAL SECTIONS (optional) [21-29]	POWER FEED	MOUNTING [30]	FINISH	OPTIONS
		TF			
1C 1 circuit **2C** [18] 2 circuits **#MC** [19] Multi-circuit **EC** Emergency-powered fixture **NL** Night light fixture **DL** Daylight fixture **GTD** [20,21,22] Generator transfer device fixture [18] Available for Direct/Indirect only. Separate direct and indirect circuits. [19] Specify total number of circuits (#), including any circuits required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. Minimum 4' fixture. Not available with 347V. Not available for environments where the ambient temperature falls below 0°C (32°F).	**#EC##** [25] Emergency powered section **#NL##** [25] Night light section **#DL##** [25] Daylight section **#GTD##** [25,26,27,28] Generator transfer device section **#EMB** [27,28,29] Emergency battery **NA** None Specify with multi-circuit (#MC) electrical option only. Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. Specify quantity (#), and section length in inches (##). Minimum 4' section. Not available with 347V. Not available for environments where the ambient temperature falls below 0°C (32°F). [29] Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section. For Direct/Indirect, minimum 8' fixture.	**TF** Top feed	**STS** Stem, standard **STC( )** Stem, custom See page 2 for ordering details	**W** Matte white **AL** Aluminum **WA** White antimicrobial Silverwerx **CF#** Custom finish, specify RAL# **NATA** Natatorium finish **CRF** Corrosion resistant finish **NA** None	

3737 Cote-Vertu St-Laurent, Quebec, Canada H4R 2C9
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bios PoE WELL WELL

VIA 4 SEAL

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS ST/DY
VIA WEATHER SERIES

LUMENWERX

Pendant Mounting Code

Standard

For a standard mounting, please refer to the information below.

MOUNTING
STS - Stem, standard

Ø5" for power canopy
Ø5" for non-power
Canopies are white
Stem finish is the same color as fixture
Stem length is 18"
Stem is not field adjustable

Custom

Stem

For a custom mounting, specify the options in the parentheses

Example: STC(5NPC-36-W STW-SLS)

MOUNTING					
STC( )					
	NON-POWER CANOPY SIZE	**STEM LENGTH**	**CANOPY FINISH**	**STEM COLOR**	**OPTIONS**
STC	**5NPC** - Ø5" non-power canopy	**18** - 18" **36** - 36" **#** [1] - Specify length in inches [1] Minimum length is 6". Maximum length is 72". Stem is not field adjustable	**W** - White **AL** - Aluminum **B** - Black **CF#** - Custom finish, specify RAL #	**STW** - White **STAL** - Aluminum **STB** - Black **STCF#** - Custom finish, specify RAL #	**SLS** - Sloped ceiling for stem **NA** - None

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VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

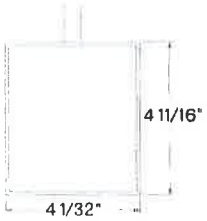
Section Views

DIRECT

EPDO

ASDO

DIRECT/INDIRECT



EPIO
EPDO

ASIO
EPDO

WIO2
EPDO

EPIO
ASDO

ASIO
ASDO

WIO2
ASDO

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VIA4SEAL-PENDANT-SPEC-REV3 September 2, 2022

bios POE WELL WELL

VIA 4 SEAL

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

LUMENWERX

Environment Options

The Via Weather Series offers four levels of protective sealing. Level 1, Level 2, Level 3, and Level 4
Via 4 Seal is available with two environment options. Wet Suitable (WET) at Level 1, and Wet Listed (WETL) at Level 2
For other levels of protective sealing, please see Via Wet spec sheets for Level 3, and Via Splash spec sheets for Level 4

FEATURES	1 Wet Suitable (IP44) (WET)	2 Wet Listed (IP54) (WETL)
Direct distribution	•	•
Direct/indirect distribution	•	x
Indoor application that requires wipe down	•	•
Healthcare application	•	•
Outdoor application with restrictions under canopy only	•	•
Outdoor application with restrictions under canopy, slightly exposed	x	•
Continuous line of light over 12 ft	•	x
Water and dust resistant	•	•
Water and dust protected	x	•
Not suitable for extreme weather applications	•	•
Damp listed	•	x
Wet listed	x	•

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VIA4SEAL-PENDANT-SPEC-REV3 September 2, 2022

bios PoE WELL WELL

VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

Photometrics

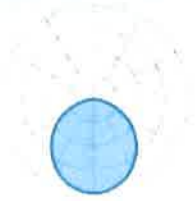
MULTIPLIER TABLE

Please follow the multiplier table to ensure correct lumen value. CCT and CRI, will change the lumen output

Multiplier - CCT/CRI

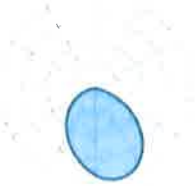
CCT (K)	WATTS		LPW	
	CRI 80	CRI 90	CRI 80	CRI 90
2700	1.06	1.27	0.94	0.79
3000	1.02	1.23	0.98	0.81
3500	1.00	1.19	1.00	0.84
4000	1.00	1.18	1.00	0.85
5000	0.95	1.12	1.05	0.89

DIRECT



EPDO - Delivered Lumens at 40K at 80 CRI

LUMENS PER FOOT	TOTAL LUMENS PER 4FT	INPUT WATTS	LPW
500	2000	19.8	101
750	3000	30.7	98
1000	4000	42.3	95



ASDO - Delivered Lumens at 40K at 80 CRI

LUMENS PER FOOT	TOTAL LUMENS PER 4FT	INPUT WATTS	LPW
500	2000	17.7	113
750	3000	27.9	107
1000	4000	39	103

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bios PoE WELL WELL

VIA 4 SEAL

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

LUMENWERX

Photometrics

DIRECT/INDIRECT WITH EPDO

Delivered lumens at 40K at 80 CRI for all optics.

EPDO - EPIO EPDO - ASIO EPDO - WIO2

LM/FT D	LM/FT I	NOMINAL LM/4FT D	NOMINAL LM/4FT I	TOTAL LM/4FT	INPUT WATTS	LPW
EPDO	**EPIO**					
500	500	2000	2000	4000	40.4	99
	750		3000	5000	52.4	95
	1000		4000	6000	65.5	92
750	500	3000	2000	5000	51.3	97
	750		3000	6000	63.3	95
	1000		4000	7000	76.4	92
1000	500	4000	2000	6000	62.9	95
	750		3000	7000	74.9	93
	1000		4000	8000	88.0	91
EPDO	**ASIO**					
500	500	2000	2000	4000	36.7	109
	750		3000	5000	46.3	108
	1000		4000	6000	56.6	106
750	500	3000	2000	5000	47.6	105
	750		3000	6000	57.2	105
	1000		4000	7000	67.5	104
1000	500	4000	2000	6000	59.2	101
	750		3000	7000	68.8	102
	1000		4000	8000	79.1	101
EPDO	**WIO2**					
500	500	2000	2000	4000	36.4	110
	750		3000	5000	45.9	109
	1000		4000	6000	55.9	107
750	500	3000	2000	5000	47.3	106
	750		3000	6000	56.8	106
	1000		4000	7000	66.8	105
1000	500	4000	2000	6000	58.9	102
	750		3000	7000	68.4	102
	1000		4000	8000	78.4	102

DIRECT/INDIRECT WITH ASDO

Delivered lumens at 40K at 80 CRI for all optics.

ASDO - EPIO ASDO - ASIO ASDO - WIO2

LM/FT D	LM/FT I	NOMINAL LM/4FT D	NOMINAL LM/4FT I	TOTAL LM/4FT	INPUT WATTS	LPW
ASDO	**EPIO**					
500	500	2000	2000	4000	38.3	104
	750		3000	5000	50.3	99
	1000		4000	6000	63.4	95
750	500	3000	2000	5000	48.5	103
	750		3000	6000	60.5	99
	1000		4000	7000	73.6	95
1000	500	4000	2000	6000	59.6	101
	750		3000	7000	71.6	98
	1000		4000	8000	84.7	94
ASDO	**ASIO**					
500	500	2000	2000	4000	34.6	116
	750		3000	5000	44.2	113
	1000		4000	6000	54.5	110
750	500	3000	2000	5000	44.8	112
	750		3000	6000	54.4	110
	1000		4000	7000	64.7	108
1000	500	4000	2000	6000	55.9	107
	750		3000	7000	65.5	107
	1000		4000	8000	75.8	106
ASDO	**WIO2**					
500	500	2000	2000	4000	34.3	117
	750		3000	5000	43.8	114
	1000		4000	6000	53.8	111
750	500	3000	2000	5000	44.5	112
	750		3000	6000	54.0	111
	1000		4000	7000	64.0	109
1000	500	4000	2000	6000	55.6	108
	750		3000	7000	65.1	108
	1000		4000	8000	75.1	106

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VIA4SEAL-PENDANT-SPEC-REV3 - September 2, 2022

bios PoE WELL WELL

VIA 4 SEAL

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS ST/DY
VIA WEATHER SERIES

LUMENWERX

Technical Specifications

DIRECT OPTICS

Environmentally Protected Direct Optic (EPDO)
The Environmentally Protected Direct Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. This extruded snap-in lens has a gasket to ensure proper sealing. The lens is 1/16" thick and made of frosted polycarbonate. Internally, white, side kicking reflectors guide the light through the lens. The EPDO suits moderate climate environments.

Asymmetric Soft Direct Optic (ASDO)
The Asymmetric Soft Direct Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. This extruded snap-in lens has a gasket to ensure proper sealing. The lens is 1/16" thick and made of frosted polycarbonate. Internally, white, side kicking reflectors specifically angled to guide the light through the lens to create a nice asymmetric distribution. The ASDO suits moderate climate environments.

INDIRECT OPTICS

Environmentally Protected Indirect Optic (EPIO)
The Environmentally Protected Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of frosted polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The EPIO suits moderate climate environments.

Asymmetric Soft Indirect Optic (ASIO)
The Asymmetric Soft Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of clear polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The total internal reflection and surface scattering optic is specifically angled to guide the light through the lens to create a nice asymmetric distribution. The ASIO suits moderate climate environments.

Widespread Indirect Optic (WIO2)
The Widespread Indirect Optic creates a seal that blocks debris and moisture, and withstands UV distortion and moderate impact. The lens is 1/16" thick and made of clear polycarbonate. This extruded snap-in lens has a gasket to ensure proper sealing. The total internal reflection and surface scattering optic offers an impressive 160° spread. WIO2 creates an even illumination for smooth brightness on the ceiling that can achieve uniformity ratios of up to 2:1. The WIO2 suits moderate climate environments.

Uniformity [max/min]

Based on 18' continuous runs, in a 20' x 40' room, 10' wall height

Mounting height from ceiling	Spacing (Center to center)		
	8'	10'	12'
24"	3.0	5.5	8.0
36"	2.0	3.0	4.5
48"	2.0	2.0	3.5

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bios PoE WELL WELL

VIA 4 SEAL

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

LUMENWERX

LIGHT SOURCE

Custom linear array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K, 4000K and 5000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance.

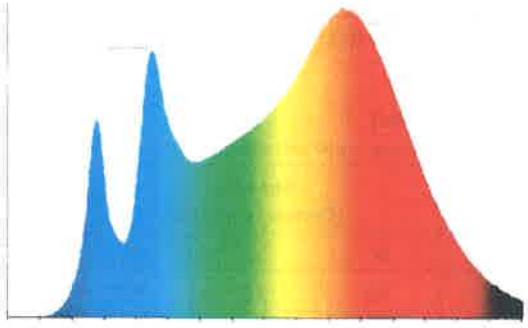
All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

bios

BiOS SkyBlue™ Technology is designed to provide the specific circadian stimulus to improve overall sleep quality, recovery during the night, and overall feelings of well-being.

The non-visual light signals that stimulate our circadian system have peak intensity in the "sky blue" region. As the diagram below illustrates, BIOS SkyBlue technology shifts the peak LED spectral intensity (490 nm) to align better with the peak response of circadian stimulus. Also note the enhanced deep-red (near 660 nm) spectrum.

BIOS 3500K



WELL for Light - The WELL building standard focuses on light quality in several features. There are three categories that are fully attributed to the construction and features of a luminaire. In WELL V1, it's Feature 54 Circadian Lighting, Feature 55 Glare Control, and Feature 58 Color Quality. In WELL V2, it's Feature L03 Circadian Lighting, Feature L04 Glare Control, and Feature L07 Electric Light Quality.

This fixture meets Features:
- Feature 54 or L03 when BIOS LED is selected
- Feature 55 or L04 meets WELL glare category (c-d) (not applicable with 1000 lm/ft)
- Feature 58 or L07 when 90 CRI is selected

All LED drivers used at Lumenwerx are deemed to have a low risk level of flicker, of 5 % or less below 90Hz operational as defined by IEEE standard 1789-2015 LED.

WELL for Mind -This luminaire meets WELL for mind as it is a human centric luminaire offering quality light, excellent color, and smooth optics. If any of these features are incorporated in a luminaire, it can improve the ability to focus, concentrate, and persist longer on a given task. This fixture harmoniously operates in a space to assist the mind.

For more information, please contact well@lumenwerx.com

LUMINAIRE LENGTH

Via 4 Seal is available in standard lengths of 2' to 12'. Continuous runs are available for run lengths over 12'. Exact run length must be noted in the product code. The minimum length is 2' for Direct fixtures, and 3' for Direct/Indirect fixtures. Lengths can be ordered in 1' and/or 1" increments. All individual sections are joined together onsite using the joiner kits provided. Lumenwerx joiner kits are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

WEEP HOLES

The Direct/Indirect fixtures with the Wet Suitable (WET) option feature a weep hole situated in the end cap. Water and moisture that enters the fixture will be expelled through this hole.

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bios PoE WELL WELL

VIA 4 SEAL

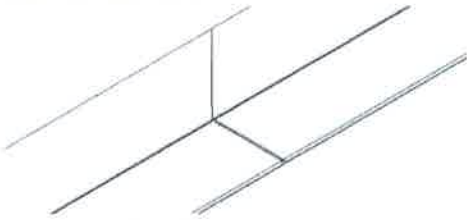
LUMENWERX

PENDANT
DIRECT, DIRECT/INDIRECT
STATIC WHITE, BIOS ST/DY
VIA WEATHER SERIES

JOINING SYSTEM

All individual sections are joined together onsite using the ¼"-20 screws and nuts provided. With the Wet Suitable (WET) option, the junction between two adjacent sections creates a continuous line of light without shadows. With the Wet Listed (WETL) option, the junction between two adjacent sections is sealed with a silicone gasket, creating a slight visible break in the line of light every 12 ft.

Wet Suitable - WET



Continuous line of light

Wet Listed - WETL

Visible break in line of light

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load. Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume 1% (specify 2-wire, or Ecosystem Dim-to-Off), eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant. An optional low-temperature 10% 0-10V driver, suitable for temperatures down to -40°C/F is also available.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, Duo (tunable white), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

ELECTRICAL SECTION OPTIONS

Electrical section options are available for fixtures specified as multi circuit (#MC). With MC, specify the total number of circuits (#), including any circuits required for optional electrical sections. A drawing is required to specify the layout. Please consult factory for custom configurations.

Electrical sections

Options include emergency-powered light (#EC##), night light (#NL##), daylight (#DL##), and generator transfer device (#GTD##) sections. Specify the quantity (#), as well as the section length in inches (##).

Example 1: A 32' Direct fixture with two 8' emergency light sections on a second circuit.
Code: 2MC-2EC96

Example 2: A 16' Direct/Indirect fixture with separate circuits for direct and indirect, and with one 4' night light section on the direct side on a third circuit.
Code: 3MC-1NL48

Example 3: A 24' Direct fixture with one 4' generator transfer device section.
Code: 1MC-1GTD48

Battery

Each emergency battery (#EMB) powers a 4' section. All batteries will be on the same circuit. Specify the number of batteries (#) required.
Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours. Suited for ambient temperatures of 0°C (32°F) to 55°C (131°F).

Generator Transfer Device (GTD)

A UL924 listed shunt relay that can bypass both line voltage (120-277V) and 0-10V dimming signal. Suited for ambient temperatures of 0°C (32°F) to 60°C (140°F).

LUMINAIRE MAINTENANCE

LED arrays and drivers are accessible through the optical chamber and easily replaced.

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VIA 4 SEAL

LUMENWERX

PENDANT

DIRECT, DIRECT/INDIRECT

STATIC WHITE, BIOS ST/DY

VIA WEATHER SERIES

MOUNTING OPTIONS

Fixtures can be stem-mounted. Unless otherwise specified, Lumenwerx provides the following hardware:

Standard stem option (STS) - Canopies are white, Ø5" for both power and non-power. Stem finish is the same color as fixture. Stem length is 18". Stem is not field adjustable.

For all other options, see the mounting code on page 2.

FINISH

Interior - 95%, reflective matte powder coated white paint

Exterior - Powder-coat paint in matte white or aluminum. Custom finishes are also available. Optional antimicrobial finish.

CONSTRUCTION

Housing - Extruded aluminum (0.095" nominal) up to 90% recycled content

Interior brackets - Die-formed cold rolled sheet steel 18 gauge thick

Joining system (WETL) - 16 gauge steel joiners and closed-cell silicone foam joiner gasket

Reflectors - Cold rolled steel 0.024" thick precisely die-formed, 95% reflective matte white painted

End cap - Die-cast aluminum (0.100" nominal)

End cap gasket - 1/16" closed-cell silicone foam

WEIGHT

Direct	Direct/Indirect
4ft - 15.0 lbs - 6.8 kg	**4ft** - 17.2 lbs - 7.8 kg
8ft - 27.6 lbs - 12.5 kg	**8ft** - 32.8 lbs - 14.9 kg
12ft - 40.1 lbs - 18.2 kg	**12ft** - 48.5 lbs - 22 kg

CERTIFICATIONS

ETL - WET environment option is rated for dry/damp locations. WETL environment option is ETL Wet Listed. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0. During the installation of WETL fixtures, the contractor is responsible for properly sealing all mounting and electrical connection points.

IK05 - Impact resistance rated to IK05.

WARRANTY

Lumenwerx provides a five-year limited warranty on electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

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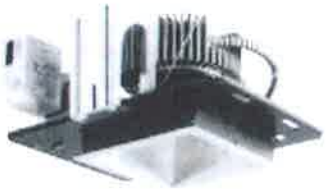
gotham | EVO

Multiple Layers of Light

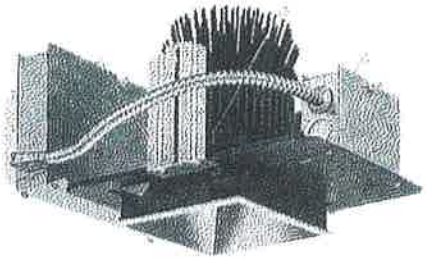
Luminaire Type:

Catalog Number:

General Illumination Square Downlight 6"



250 lumens - 4500 lumens



5000 lumens - 17500 lumens

OVERVIEW

Feature Set

- Bounding Ray™ optical design
- Unitized optics mechanically attach the light engine to the lower reflector for complete optical alignment.
- 45° cutoff to source and source image
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 MacAdam Ellipse; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling
- Available with 10% dimming, 1% dimming, or dim to dark
- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces
- ENERGY STAR® certified product
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. UGR FAQ

Distribution

Medium Wide (MWD)
1.0 S:MH

Superior Perfomance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000	6000	8000	10,000	12,000	15,000	17,500
Delivered Lumens	318	557	832	1067	1500	2153	2723	3302	3801	4322	4865	5588	6852	8696	11237	13093	16051	18806
Wattage	3.4	6.2	8.2	9.6	14.7	19.7	24.7	29.5	33.8	39.0	47.3	48.6	57.6	74.7	96.9	115.1	144.3	175.3
Lumens per Watt	93.5	89.8	101.5	111.1	102.0	109.3	110.2	111.9	112.5	110.8	102.9	115.0	119.0	116.4	116.0	113.8	111.2	107.3

*Lumen Output for 80CRI - 3500K CCT - Clear LSS Reflector
*Based on 3500K AR LSS MWD 80CRI

COMPLIMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light

General Illumination Layer | EVO

High Center Beam Layer | Incito

EVO + Incito — Multiple Layers of Light

Core

Downlight | Adjustable | Open Wallwash | Lensed Wallwash | Cylinder | Pinhole | Bevel | Hyperbolic

Healthcare

MRI | Surgical Suite | Patient Room

Special Applications

Dynamic | Food Service | Vandal/Tamper | Clean Room | Shower | Steam Room

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ORDERING INFORMATION

A+ Capable options indicated by this color background.

Luminaire Type:

Catalog Number:

EXAMPLE: EV06SQ 35/150 AR LSS MVOLT EZ1

Series	Color Temperature	Nominal Lumen Values		Reflector & Flange Color		Trim Style	
EV06SQ	27/ 2700 K	02 250 lumens	40 4000 lumens	AR	Clear	(blank)	Self-flanged
	30/ 3000 K	05 500 lumens	45 4500 lumens	PR	Pewter	FL	Flangeless
	35/ 3500 K	07 750 lumens	50 5000 lumens	WTR	Wheat		
	40/ 4000 K	10 1000 lumens	60 6000 lumens	GR	Gold		
	50/ 5000 K	15 1500 lumens	80 8000 lumens	WR[1]	White		
		20 2000 lumens	100 10000 lumens	BR[1]	Black		
		25 2500 lumens	120 12000 lumens	WRAMF[1]	White Anti-microbial		
		30 3000 lumens	150 15000 lumens	TRALTBD[1,2]	RAL paint for pricing only		
		35 3500 lumens	175 17500 lumens	TCPC	Custom paint color		

Finish	Voltage	Driver[4]	Control Interface	
LSS Semi-specular	MVOLT	GZ10 0-10V driver dims to 10%	NLT[5]	nLight® dimming pack controls
LD Matte-diffuse	120	GZ1 0-10V driver dims to 1%	NLTER[2,4,5]	nLight® dimming pack controls emergency circuit
	277	EZ1 eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	NLTAIR2[13,14]	nLight® AIR enabled
	347[2,3]	EZB eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	NLTAIRER2[2,9,13]	nLight® AIR enabled emergency
		EDAB[5] eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.	NLTAIREM2[2,13]	nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit with battery pack options.
		EDXB[5] eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Refer to DMXR. Manual Minimum 1000 lumens/Maximum 15000 lumens.		
		ECOD[5] Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black. Max: 4000LM.		

Emergency Option	
EL	Emergency battery pack, 10W, with integral test switch
ELR	Emergency battery pack, 10W, with remote test switch
ELSD	Emergency battery pack, 10W, with self-diagnostics, integral test switch
ELRSD	Emergency battery pack, 10W, with self-diagnostics, remote test switch
E10WCP	Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch
E10WCPR	Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch
BGTD	Bodine generator transfer device. Specify 120V or 277V.

Options	
SF	Single fuse. Specify 120V or 277V.
TRW[7]	White painted flange
TRBL[8]	Black painted flange
FRALTBD[2]	Flange ring only RAL color for pricing only
FCPC	Flange custom paint color
N80[10]	nLight® Lumen Compensation
GTD	generator transfer device. Specify 120V or 277V
90CRI	High CRI (90+)
CP[11]	Chicago Plenum. Specify 120V or 277V for 5000lm and above.
HAO[12]	HAO High ambient option (40°C)
RRL_	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only with RRLA, RRLB, RRLAE, and RRLC12S. Refer to RRL spec sheet on www.acuitybrands.com for RELOC® product specifications. Above ceiling access required.

ACCESSORIES — order as separate catalog numbers (shipped separately)

ISD BC	0-10V wallbox dimmer. Refer to ISD-BC.

ORDERING NOTES

1. Not available with finishes.
2. Replace with applicable RAL number and finish when ready to order. See RAL BROCHURE for available color options. Not available with emergency battery pack options.
3. Not available with emergency Battery Pack options.
4. Supplied with factory installed step down transformer.
5. Refer to TECH-240 for compatible dimmers.
6. Not available with nLight®.
7. Specify voltage.
8. For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with WR (white reflector) or FL (flangeless) option.
9. For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with BR (black reflector) or FL (flangeless) option.
10. ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.
11. Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.
12. 12,000LM max with EL or nLight® options. 5,000LM max with Lutron drivers combined with EL. Not available with ELR, HAO, or EXAD, or any nLight® AIR dimming options.
13. Only available 5000LM - 15,000LM with eldoLED drivers.
14. Not available DALI or DMX drivers. Not available with CP or N80 options. Not recommended for metal ceiling installations.
15. When combined with the EZ1, EZ10, or EZB option, normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.

SPECIFICATIONS

Optical Assembly
Optical design is a Bounding Ray™ design with 45° cutoff to source and source image. Top-down flash characteristic for superior glare control.
Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Electrical
The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.
The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.
Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.
Input wires shall be 18AWG, 300V minimum, solid copper.

Controls
Luminaire shall be equipped with interface for nLight wired or wireless network with integral power supply as per specification.

Dimming
The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.
eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.
Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction
Fully serviceable and upgradeable lensed LED light engine, both the driver and light engine are suitable for field maintenance and are serviceable from above or below the ceiling.
Luminaire housing shall be constructed of 16-gauge galvanized steel and have preinstalled telescopic mounting bars with maximum 32" and minimum 15" extension and 4" vertical adjustment.
High-impact polymer trim shall be constructed with a durable, vapor deposition finish.
Patented adjustable aperture allows ¼" adjustments in all directions and up to 5° of rotation for post-installation adjustment to ensure trim-to-trim alignment.
Injection molded mud ring included with flangeless trims. Ships separately. Installs independently of the mounting frame to reduce cracks in plaster due to vibration.
Luminaires shall be suitable for installation in ceilings up to 1½" thick.
Tool-less adjustments shall be possible after installation.
The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.
25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise). 40°C high ambient optional.

Listings
Fixtures are CSA Certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. Luminaire configurations are Energy Star certified through testing in EPA-recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed.

Photometrics
LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.
Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 60,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

BUY AMERICAN ACT
This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

Warranty
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/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.

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A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Partially finished mud ring, showing cross-section detail.

An EVO downlight requires only approximately 3" of plaster to finish.

EVO with flangeless trim

Flangeless Installation

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

The polymer mud ring is installed independent of the of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.

Tables of Use

Marked Spacing In Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
500-5000	None	None	None
6000	24	12	5
8000	36	18	11
10000			9
12000			
15000			
17500	72	36	

Marked Spacing in Inches 40°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
5000	24	12	5
6000			
8000	48	24	9
10000			
12000			
15000	72	36	9

Marked Spacing Chicago Plenum Open Frame in Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
250-5000	None	None	None
6000	24	12	5
8000	36	18	11
10000			9
12000			
15000			
17500	72	36	

Marked Spacing Chicago Plenum Enclosure in Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
250-6000	None	None	None
8000	36	18	6
10000	48	24	3
12000			

EVO - eldoLED Driver Default Dimming Curve			
Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ10	10%	Linear	Linear/Logarithmic
EZ1	1%	Linear	Linear/Logarithmic
EXA1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic	Linear
EXAB	<1%	Logarithmic	Linear
EDXB	<1%	Square	Linear

Driver		Control Provided (note: 347V/UVOLT versions provided with 347 option selected)			
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIRER2
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2

How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

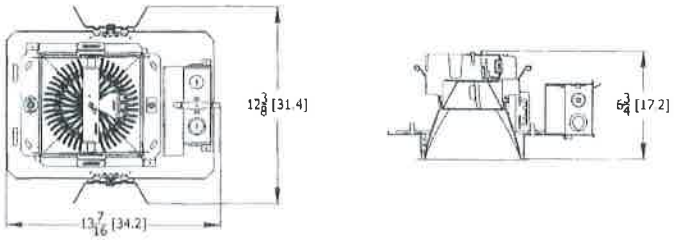
GOTHAM ARCHITECTURAL DOWNLIGHTING | 1400 Lester Road Conyers, GA 30012 | P 800-705-SERV (7378) | gothamlighting.com

DIMENSIONAL DATA

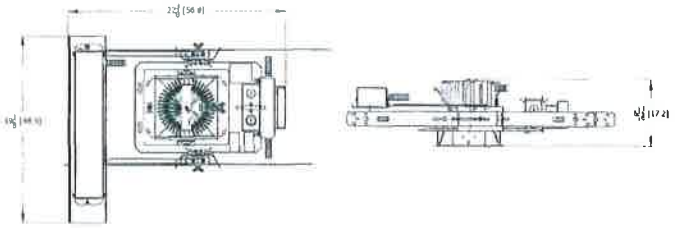
*Dimensions in inches [centimeters]

Aperture: 6" (15.2)	Ceiling Opening: 6-5/8" (16.8) self-flanged
Overlap trim: 7" (17.8) self-flanged	6-3/4" (17.1) flangeless

250LM-5000LM Standard

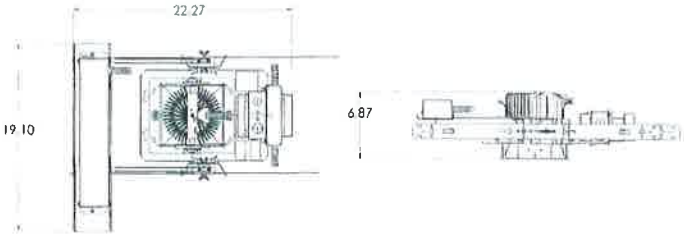


250LM-5000LM Battery Pack

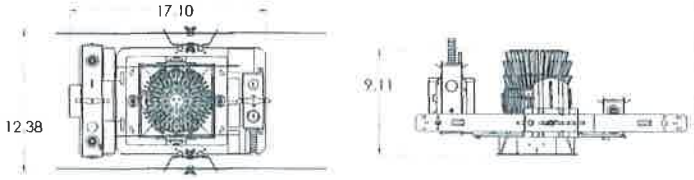


6000LM-8000LM Standard

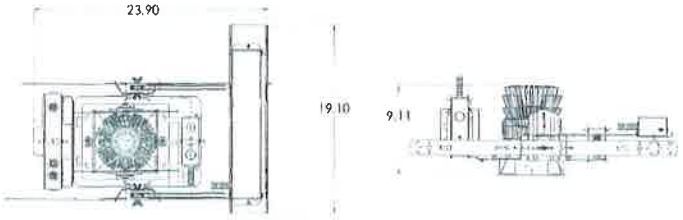
6000LM-8000LM Battery Pack



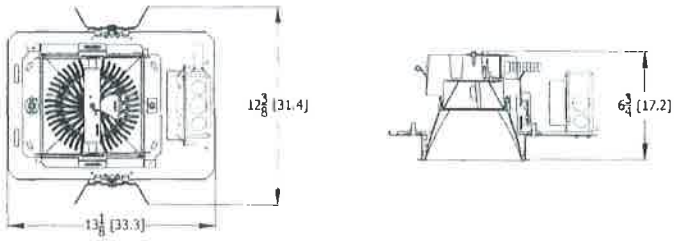
10,000LM-17,500LM Standard



10,000LM-17,500LM Battery Pack

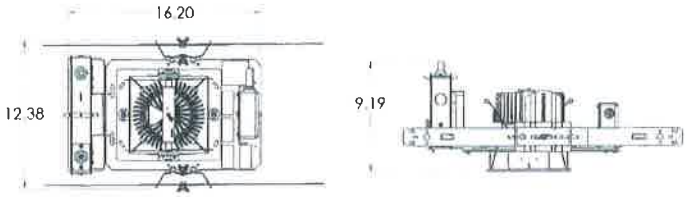


250-5000LM Open Frame CP

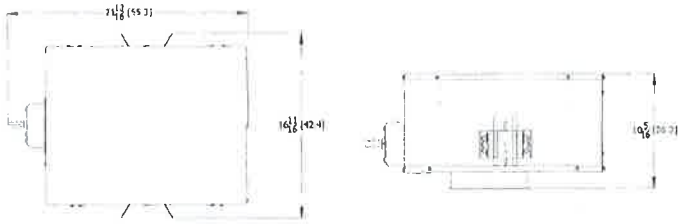


DIMENSIONAL DATA

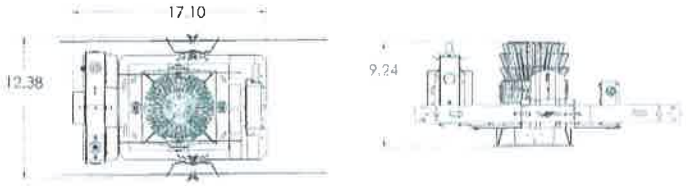
5000 (Lutron & POWER Drive Only) 6000 & 8000 (All) Square Downlight Open Frame CP



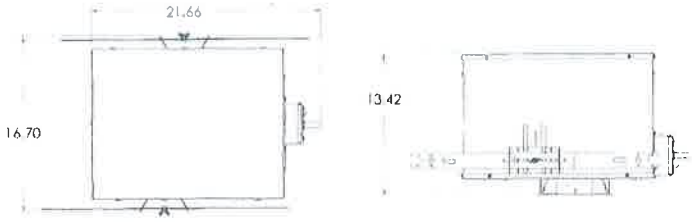
250LM-6000LM CP Enclosed with Battery Pack and/or nLight™ Only



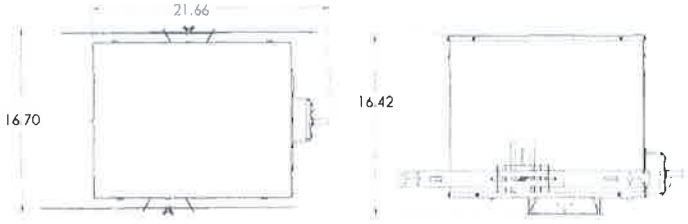
10,000-17,500 Lumen CP



8000 Lumen CP (With Battery Pack & nLight® Only)

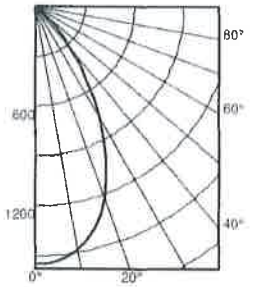


12000 & 10000 Lumen CP (With Battery Pack & nLight® Only)



Photometry

EVO6SQ 35/15 AR LSS, INPUT WATTS: 14.7W, DELIVERED LUMENS: 1500LM, LPW = 102, TEST NO. LTL27900P105



	Ave	Lumens
0	1550	
5	1536	145
15	1385	385
25	1007	457
35	545	339
45	182	148
55	22	26
65	2	2
75	1	0
85	0	0
90	0	

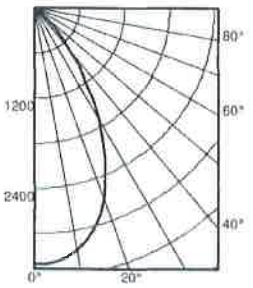
Zone	Lumens	% Lamp
0° - 30°	987.3	65.8
0° - 40°	1326.5	88.4
0° - 60°	1498.1	99.9
0° - 90°	1499.9	100.0
90° - 180°	0.0	0.0
0° - 180°	1499.9	*100.0

*Efficiency

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	108	106	104	104	102	101
2	103	98	95	101	97	94	98	94	92
3	95	90	86	94	89	85	91	87	84
4	89	83	79	87	82	78	85	81	77
5	83	77	72	82	76	72	80	75	71
6	77	71	67	76	71	66	75	70	66
7	72	66	62	72	66	62	70	65	61
8	68	62	57	67	61	57	66	61	57
9	64	58	54	63	58	54	62	57	53
10	60	54	50	60	54	50	59	54	50

Mounting Height	Inital FC Center Beam	50% beam 49.0° Diameter	50% beam 49.0° FC	10% beam 79.9° Diameter	10% beam 79.9° FC
8.0	51.2	5.0	25.6	9.2	5.1
10.0	27.5	6.8	13.8	12.6	2.8
12.0	17.2	8.7	8.6	15.9	1.7
14.0	11.7	10.5	5.9	19.3	1.2
16.0	8.5	12.3	4.3	22.6	0.9

EVO6SQ 35/30 AR LSS, INPUT WATTS: 29.5W, DELIVERED LUMENS: 3302LM, LPW = 111.9, TEST NO. LTL27900P117



	Ave	Lumens
0	3411	
5	3381	319
15	3048	848
25	2216	1007
35	1200	747
45	400	322
55	49	56
65	3	3
75	2	1
85	0	0
90	0	

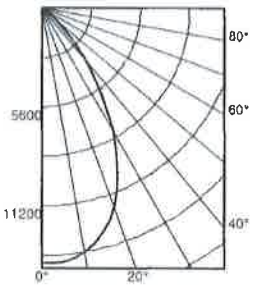
Zone	Lumens	% Lamp
0° - 30°	2173.4	65.8
0° - 40°	2920.1	88.4
0° - 60°	3297.9	99.9
0° - 90°	3301.9	100.0
90° - 180°	0.0	0.0
0° - 180°	3301.9	*100.0

*Efficiency

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	108	106	104	104	102	101
2	103	98	95	101	97	94	98	94	92
3	95	90	86	94	89	85	91	87	84
4	89	83	79	87	82	78	85	81	77
5	83	77	72	82	76	72	80	75	71
6	77	71	67	76	71	66	75	70	66
7	72	66	62	72	66	62	70	65	61
8	68	62	57	67	61	57	66	61	57
9	64	58	54	63	58	54	62	57	53
10	60	54	50	60	54	50	59	54	50

Mounting Height	Inital FC Center Beam	50% beam 49.0° Diameter	50% beam 49.0° FC	10% beam 79.9° Diameter	10% beam 79.9° FC
8.0	112.8	5.0	56.4	9.2	11.3
10.0	60.6	6.8	30.3	12.6	6.1
12.0	37.8	8.7	18.9	15.9	3.8
14.0	25.8	10.5	12.9	19.3	2.6
16.0	18.7	12.3	9.4	22.6	1.9

EVO6SQ 35/150 AR LSS, INPUT WATTS: 144.3W, DELIVERED LUMENS: 15287LM, LPW = 105.9, TEST NO. ISF 34271P264



	Ave	Lumens
0	14459	
5	14385	1360
15	13192	3684
25	10152	4608
35	5810	3612
45	2108	1670
55	295	325
65	18	17
75	5	5
85	13	7
90	0	

Zone	Lumens	% Lamp
0° - 30°	9951.2	65.1
0° - 40°	13263.1	86.8
0° - 60°	15257.8	99.8
0° - 90°	15286.9	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	15286.9	*100.0

*Efficiency

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	110	108	105	108	106	104	104	102	101
2	102	98	94	100	97	93	97	94	91
3	95	89	85	93	88	84	91	86	83
4	88	82	78	87	81	77	84	80	76
5	82	76	71	81	75	71	79	74	70
6	76	70	65	75	69	65	74	69	65
7	71	65	60	71	64	60	69	64	60
8	67	60	56	66	60	56	65	60	56
9	63	56	52	62	56	52	61	56	52
10	59	53	49	58	53	49	58	52	49

Mounting Height	Inital FC Center Beam	50% beam 51.3° Diameter	50% beam 51.3° FC	10% beam 82.2° Diameter	10% beam 82.2° FC
8.0	478.0	5.3	239.0	9.6	47.8
10.0	257.0	7.2	128.5	13.1	25.7
12.0	160.2	9.1	80.1	16.6	16.0
14.0	109.3	11.1	54.7	20.1	10.9
16.0	79.3	13.0	39.7	23.5	7.9

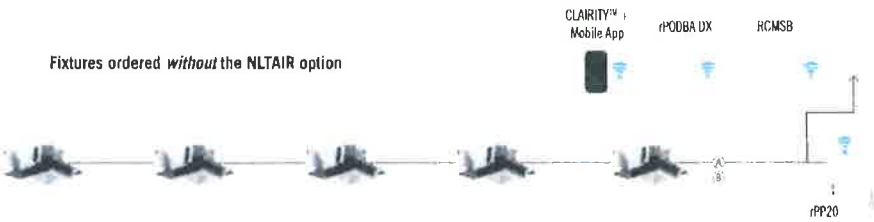
Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.96
	3000K	1.00
	3500K	1.00
	4000K	1.01
	5000K	1.07
90	2700K	0.80
	3000K	0.83
	3500K	0.85
	4000K	0.87
	5000K	0.91

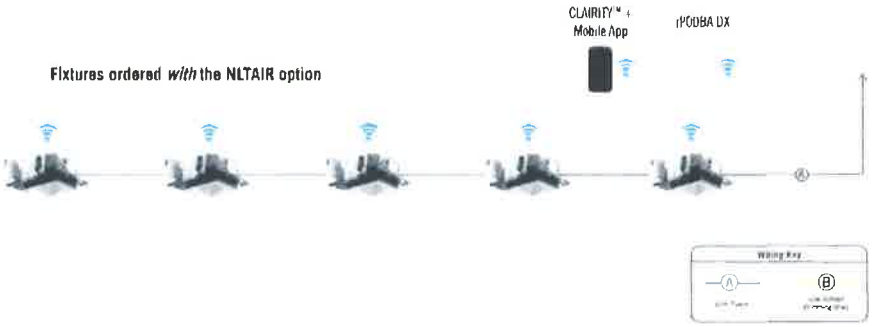
Reflector Finish Multiplier	
Reflector Finish	Multiplier
LS - Specular	1
LSS - Semi Specular	0.956
WR - White	0.87
LD - Matte Diffuse	0.85
BR - Black	0.73

NLIGHT AIR

nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

Possibilites for nLight® AIR





nLight® AIR Control Accessories

Order as separate catalog number. Visit nLight AIR

Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

nLight® AIR Control Accessories *(cont.)*

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

UL924 Sequence of Operation

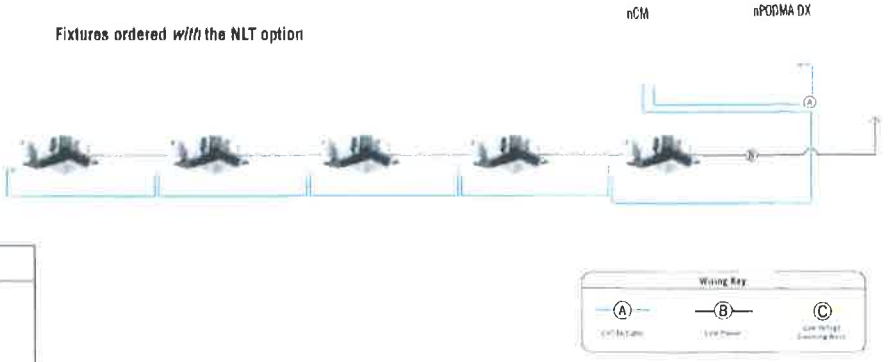
The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

NLIGHT

nLight® The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

Possibilites for nLight® wired



nLight® Wired Control Accessories

Order as separate catalog number. Visit nLight

Wall Switches	Model Number
On/Off single pole	nPODM (color)
On/Off two pole	nPODM 2P (color)
On/Off & raise/lower single pole	nPOD DX (color)
On/Off & raise/lower two pole	nPODM 2P DX (color)
Graphic touchscreen	nPOD GFX (color)
Photocell Controls	
Dimming	nCM ADCX

nLight® Wired Control Accessories *(cont.)*

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX
Cat-5 Cables (plenum rated)	
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

Proposed Project Details (type of work, size, materials, location, etc.):

This package includes impervious surface information and calculations.

☒ ARC Agenda Date: 06/19/2023

☒ Parcel Number: 0219983000

☐ Color photographs showing project location, elevations, and surround views.

☐ Complete digital set of building plans (including elevations and grading).

☐ Samples or brochures showing materials, colors, and designs.

☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

☐ Accessory Structures/Generators

☐ Additions/Remodel

☐ Commercial Signage

☐ Decks/Patios

☐ Fence

☐ Fire Pits

☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit

☐ New Construction

☐ Play Structures

☐ Recreational Facilities/Courts

☐ Roofs

☐ Solar Panels/Skylights

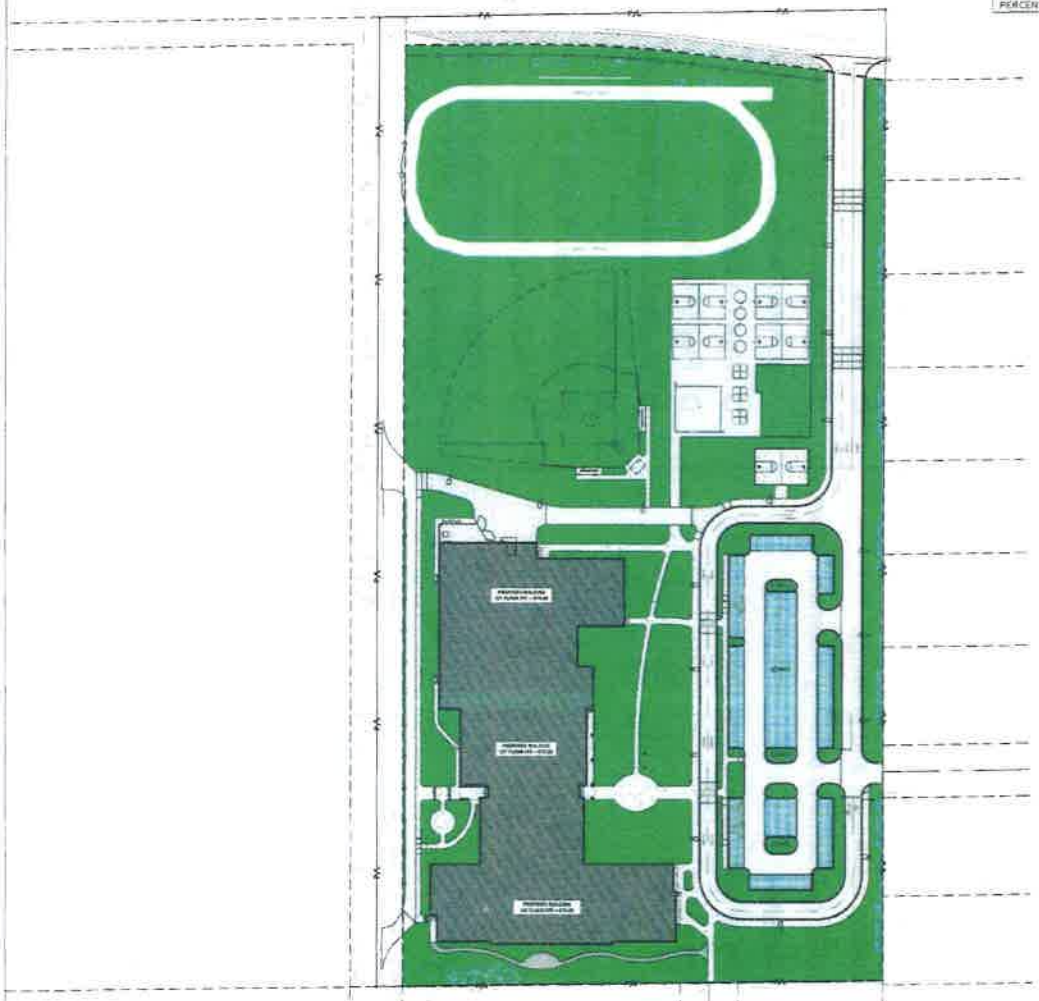
☐ Swimming Pools

☐ Windows/Doors – change exceeds 25% of opening

☒ Other

Package 06 - Impervious Surface Permit

WHOLE PROPERTY IMPERVIOUS SURFACE SUMMARY	
PROPOSED IMPERVIOUS AREA	249,813 SF
PROPOSED PERVIOUS PAVERS	19,297 SF
PROPOSED PERVIOUS GREEN SPACE	314,373 SF
TOTAL PROPOSED PERVIOUS AREA	333,670 SF
PROPOSED IMPERVIOUS AREA PERCENTAGE OF SITE	42.78%



Scale: 0 75 50 100
Scale: 1" = 50'

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

LEGEND
IMPERVIOUS SURFACE CALCULATION LIMITS

eu:a

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION

KEY PLAN

kapur

SHEET INFORMATION

PROJECT MANAGER TB
PROJECT NUMBER 19014-02

POST-DEVELOPED IMPERVIOUS SURFACE SUMMARY

5

Fox Point- Bayside School District
7300 North Lombardy Road
Fox Point, WI 53217
Phone: (414) 247-4167

May 22, 2023

Dear Bayside Architectural Review Committee:

We are pleased to submit updated drawings and documents in support of the new Middle School project. This new and exciting building will be an outstanding asset to the students, staff and community for decades to come.

Since our last presentation to the ARC on March 13th, our team has been actively collaborating with village representatives to resolve outstanding items. We feel that this package being submitted for approval addresses previous open items

In summary, the modifications since our last presentation are as follows:

1. Privacy fencing along the south property line
2. Site access fencing along King and Ellsworth
3. Traffic signage around the site and extending into the surrounding neighborhood
4. Safety fencing along the bus drop off lane
5. Landscape screening along the bus lane
6. Added lane off of Ellsworth to accommodate more vehicular traffic
7. Added turn lane off Ellsworth to accommodate more vehicular traffic

We want to reiterate that the design professionals involved in this planning and design process are industry experts and by combining that experience and expertise with the feedback of the greater community, we have collectively arrived at a project we are confident will provide the best combination of attributes. Of note, the safety and security of our community's students is of high importance and we're glad to have arrived at a design that sets us up for success in this regard.

Alleviating traffic has also been a top priority for the community/district and the design accommodates for both auto and bus traffic; ensuring the safety of students as well as the minimizing of off-site traffic. In coordination with the Village, we've added an extra lane to the site entrance which will allow approximately 80 cars to queue on site. Additionally we've added a turn lane along Ellsworth to accommodate an additional 10 vehicles as we've heard from the Village that 90 total vehicles is the target. In adding the turn lane to the project we'd like to recognize to ARC that we may lose some existing trees in addition to spending the extra funds to install this lane. In this consideration, we request ARC to allow the lane to be installed after the '24/'25 school year, in order for traffic circulation with the new site layout to be observed/tracked before adding this feature. We look forward to discussing this further with you at your 06/05 meeting and hearing your feedback.

As noted, through this process of design and refinement through collaboration with the Village and neighbors, the project has become a safer, better one and we look forward to presenting to you next week.

Sincerely yours,

Jeff Dellutri
Superintendent of Schools
Fox Point-Bayside School District

Project Proposal

Date 06/01/2023

Property Address 601 Ellsworth Lane

Zoning District "C" Residence

Proposed Project Details (type of work, size, materials, location, etc.):

Site Plan: The site plan includes updates from last submission, including: Privacy fencing along the south property line, Site access fencing along King and Ellsworth, Traffic signage around the site and extending into the surrounding neighborhood, Safety fencing along the bus drop off lane, Landscape screening along the bus lane, Added lane off of Ellsworth to accommodate more vehicular traffic, Added turn lane off Ellsworth to accommodate more vehicular traffic.

☒ ARC Agenda Date: 06/19/2023

☒ Parcel Number: 0219983000

☐ Color photographs showing project location, elevations, and surround views.

☐ Complete digital set of building plans (including elevations and grading).

☐ Samples or brochures showing materials, colors, and designs.

☐ Survey or Milwaukee County Land Information Officer Aerial

PERMITS:

Y	N	Payment	
☐	☐	☐	Building
☐	☐	☐	Electrical
☐	☐	☐	Plumbing
☐	☐	☐	HVAC
☐	☐	☐	Fill
☐	☐	☐	Impervious Surface
☐	☐	☐	Dumpster
☐	☐	☐	ROW/Excavation
☐	☐	☐	Conditional Use
☐	☐	☐	Occupancy
☐	☐	☐	Special Exception/Variance
		☐	ARC

☐ Accessory Structures/Generators

☐ Additions/Remodel

☐ Commercial Signage

☐ Decks/Patios

☐ Fence

☐ Fire Pits

☐ Landscaping requiring Impervious Surface/Fill/Excavation Permit

☐ New Construction

☐ Play Structures

☐ Recreational Facilities/Courts

☐ Roofs

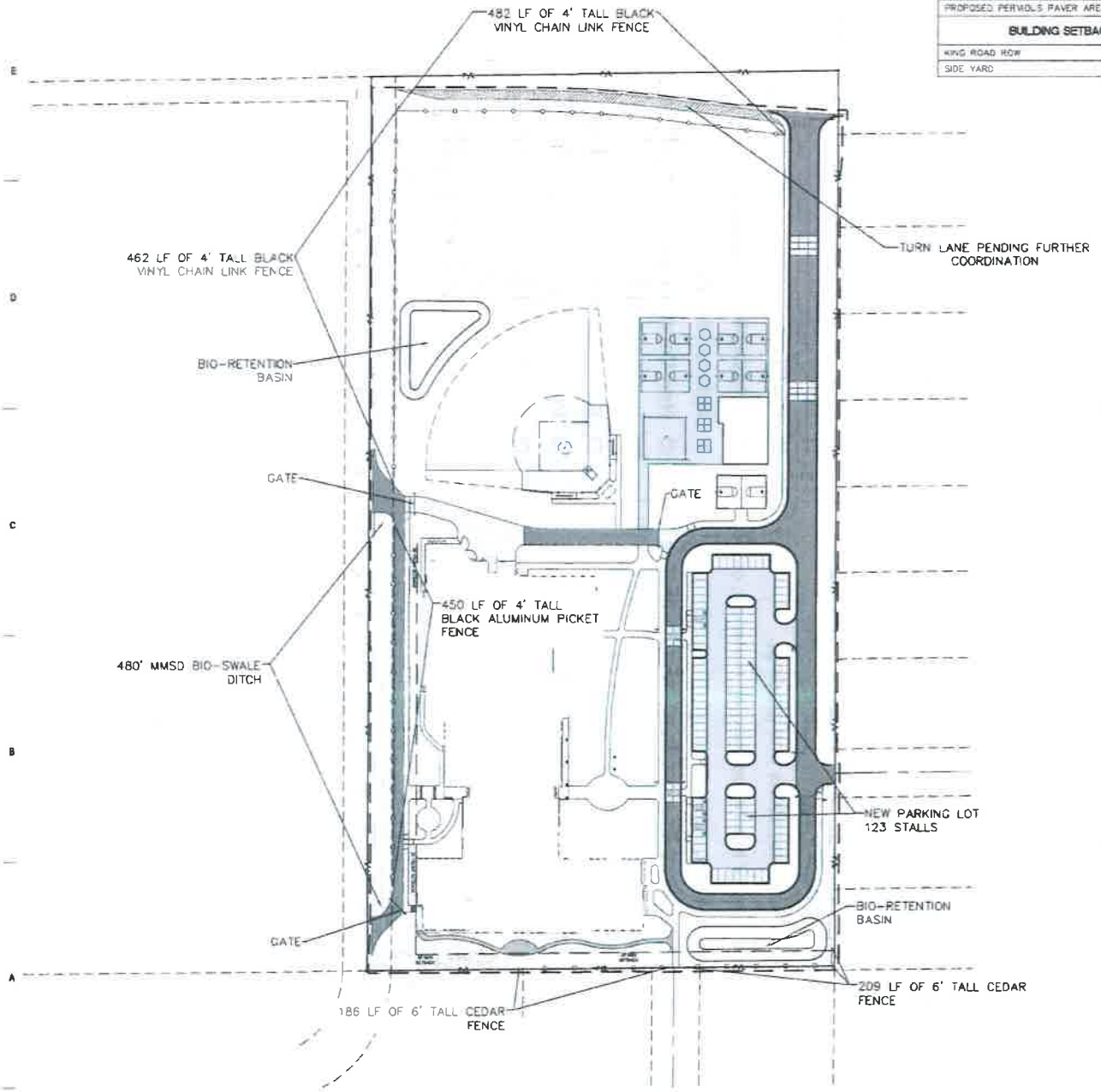
☐ Solar Panels/Skylights

☐ Swimming Pools

☐ Windows/Doors – change exceeds 25% of opening

☒ Other

Package 01 - Site Plan



PARKING SUMMARY	
REQUIRED PARKING SPACES	75 SPACES
PROPOSED PERMEABLE PAVER AREA	123 SPACES
BUILDING SETBACK SUMMARY	
WING ROAD ROW	30 FEET
SIDE YARD	20 FEET

Scale: 1" = 50'

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

eua

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
	ARC SUBMISSION

KEY PLAN

kapur

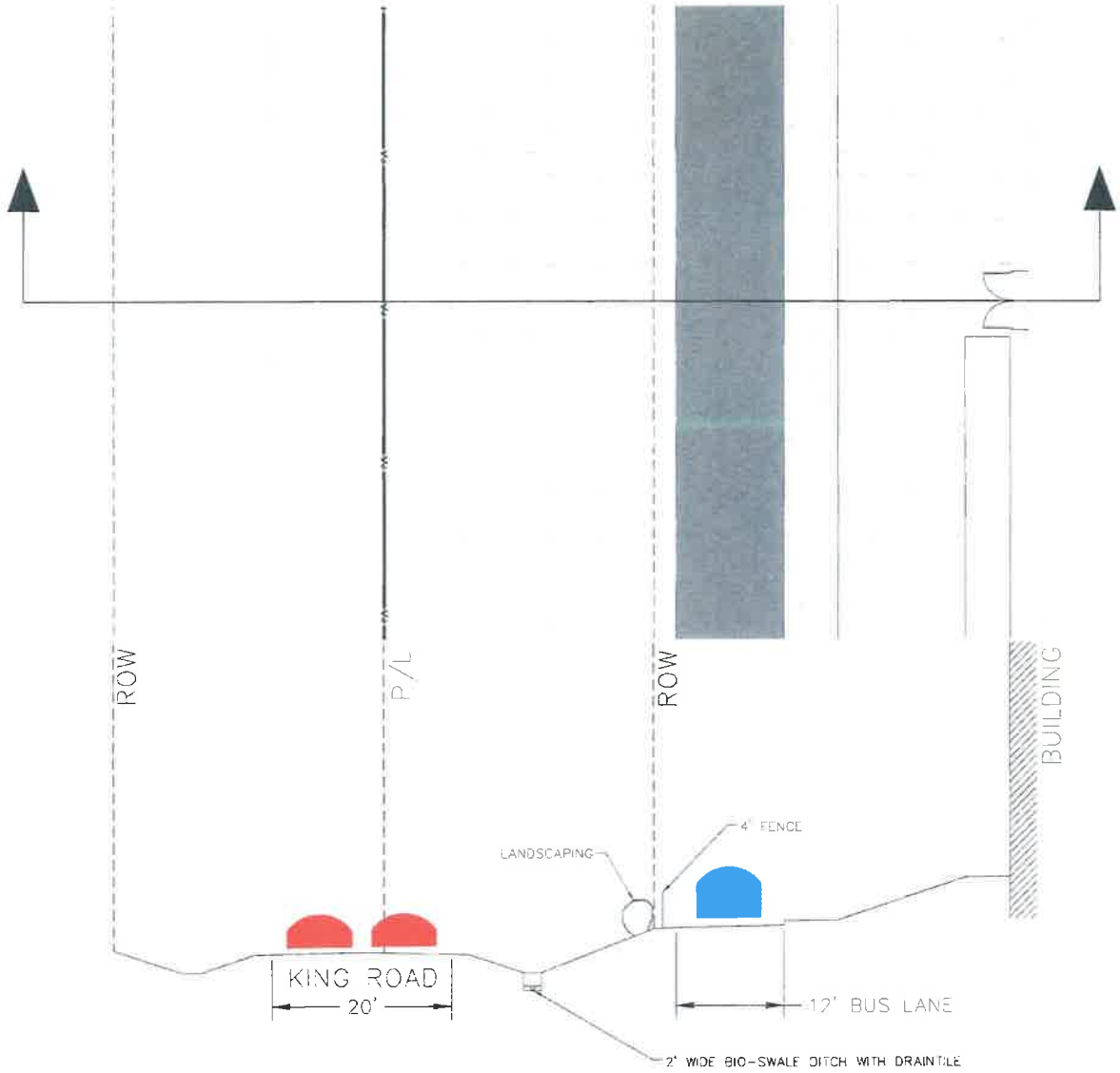
SHEET INFORMATION

PROJECT MANAGER TS

PROJECT NUMBER 19314-02

OVERALL SITE LAYOUT PLAN

1



Scale 1" = 20'

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eua

PROJECT INFORMATION

BAYSIDE MIDDLE SCHOOL

601 E ELLSWORTH LN, BAYSIDE, WI 53217

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
ON THIS	ARC SUBMISSION

KEY PLAN

kapur

7711 N. Port Washington Road
Milwaukee, Wisconsin 53217
kapurinc.com

SHEET INFORMATION

PROJECT MANAGER TS
PROJECT NUMBER 19314-02

KING ROAD SECTION

1A

Exhibit D

Village of Bayside
9075 N Regent Road
Architectural Review Committee Meeting
March 13, 2023
Village Board Room 6:00pm

ARCHITECTURAL REVIEW COMMITTEE MINUTES

I. CALL TO ORDER AND ROLL CALL

Chairperson Krampf called the meeting to order at 6:00pm.

Chair:	John Krampf
Members:	Dan Zitzer
	Marisa Roberts
	Tony Aiello
	Kelly Marrazza
	Kavin Tedamrongwanish
Trustee Liaison:	Mike Barth

Also Present:	Village Manager Andy Pederson
	Assistant to Village Manager Leah Hofer
	Village Attorney Chris Jaekels
	Village Planner Jackie Mich
	Police Chief Tom Liebenthal
	Public Works Operations Superintendent Shane Albers
	Village Engineer Mustafa Emir

There were approximately 75 people in the audience.

II. APPROVAL OF MINUTES

A. Approval of February 13 and February 27, 2023 meeting minutes.

Motion by Mr. Zitzer to approve the February 13, 2023 meetings minutes and the February 27, 2023 meeting minutes with the addition of comments regarding the color of the school, seconded by Mr. Barth. Motion carried unanimously.

III. BUSINESS

A. **9729 N Lake Dr – Gina Buono & David Sherman**

Eric Heinritz, Project Manager, appeared on behalf of the project. There were no neighbors in attendance.

Mr. Heinritz described the project as the alteration and removal of windows and doors on the side and rear of the home. Mr. Heinritz noted the materials, colors, and style will match what is existing on the home.

Motion by Mr. Barth, seconded by Ms. Roberts, to approve the project as described and presented in the application. Motion carried unanimously.

B. **9171 N Rexleigh Dr – Chris & Suzanne Stone**

Suzanne Stone, homeowner, appeared on behalf of the project. There were no neighbors in attendance.

Ms. Stone described the project as the installation of a new black/grey roof to replace the current brown roof. Ms. Stone stated that the current house is brown and will be changed to grey.

Motion by Mr. Zitzer, seconded by Mr. Aiello, to approve the project as described and presented in the application. Motion carried unanimously.

C. **310 W Fairy Chasm Rd – Erin Lindsay & Sam Westcott**

No one appeared on behalf of the project.

Motion by Mr. Barth, seconded by Ms. Roberts, to table the project.

D. **601 E Ellsworth Ln – Fox Point-Bayside School District**

Jeff Dellutri (Bayside-Fox Pont School District superintendent) and Jodi Hackl (Bayside Middle School principal) appeared on behalf of the project.

Village Attorney, Chris Jaekels, provided history and background on the project and communications between the School District and the Village. Mr. Jaekels outlined the responsibilities of the Architectural Review Committee.

Mr. Dellutri stated School District met with Village staff to discuss the School District's recommended option. Mr. Dellutri took responsibility for the lack of timeliness on meeting with the Village. He stated the Fox Point-Bayside School Board held an emergency meeting to discuss traffic plans in hopes to at least approve the school building to avoid a delay in the project which could result in a $4 to $5 million additional expense. Mr. Dellutri provided an outline of what the School District has done to date.

Ms. Hackl provided a statement on the behalf of the students of Bayside Middle School.

Mr. Dellutri and Ms. Hackl provided an overview of the School Board's discussion at their Sunday, March 12 meeting.

Village Manager, Andy Pederson, introduced Village staff and summarized that the current issues include timing, communication, and traffic management.

Village staff stated that the technical issues can be worked out.

The Committee discussed the positives and negatives of the traffic plan options provided in the packet.

Motion by Mr. Barth, seconded by Mr. Aiello, to approve the building, design, location of the building, and 60 days to come to an agreement with the Village of Bayside on the traffic/curb cut plan and landscape/fencing plan at which time the School District will come back before the Architectural Review Committee. Motion carried unanimously.

Mr. Dellutri stated his concern with the Architectural Review Committee's decision to only approve the

school building.

Chairperson Krampf stated he believes the Committee has been flexible over the last month in which they have been presented with materials.

IV. ADJOURNMENT

Motion by Mr. Barth, seconded by Ms. Roberts, to adjourn the meeting at 8:20pm. Motion carried unanimously.

Respectfully submitted,

Leah Hofer
Assistant to Village Manager