



**AGENDA REVIEW MEETING
CHESTERFIELD CITY COUNCIL
Wednesday, February 20, 2019
6:15pm**

I. Appointments

A. Board of Adjustment – Stuart Lindley

II. Planning and Public Works Committee – Chairperson Michelle Ohley-Ward IV

A. Bill No. 3229 - Public Street Acceptance – Chesterfield Ridge Center Drive (First Reading) Planning & Public Works Committee recommends approval.

B. Bill No. 3230 - P.Z. 13-2018 Summit-Topgolf (SkyGroup Investments, LLC) (First Reading) Planning Commission recommends approval. Planning & Public Works Committee recommends approval.

C. Downtown Chesterfield, (Category C), SDCP (Voice Vote) Planning & Public Works Committee recommends approval.

D. Downtown Chesterfield Category C, Lot A (WildHorse) SDSP (Voice Vote) Planning & Public Works Committee recommends approval.

E. Next Meeting – February 21, 2019 (5:45pm)

III. Finance and Administration Committee – Chairperson Barbara McGuinness-Ward I

A. Next Meeting – February 25, 2019 (5:30pm)

IV. Parks, Recreation and Arts Committee – Chairperson Dan Hurt-Ward III

A. Creative Arts Alliance Art Sculpture (Roll Call Vote)

V. Public Health and Safety Committee – Chairperson Ben Keathley-Ward II

VI. Report from the City Administrator & Other Items Requiring Action by City Council – Mike Geisel

A. Bid Recommendation - 2019 Construction and Inspection Services (Roll Call Vote)

VII. Other Legislation

- A. Bill No. 3231** - Downtown Chesterfield, Category C (Wildhorse) – Boundary Adjustment Plat **(First & Second Readings)** Department of Planning & Development Services recommends approval.
- B. Bill No. 3232** - Downtown Chesterfield, Category C (Wildhorse) - Vacation of Right-of-Way **(First & Second Readings)** Department of Planning & Development Services recommends approval.
- C. Bill No. 3233** - Wild Horse Heights - Boundary Adjustment Plat **(First & Second Readings)** Department of Planning & Development Services recommends approval.

VIII. Unfinished Business – Mayor Bob Nation

IX. New Business – Mayor Bob Nation

X. Adjourn –

NOTE: *City Council will consider and act upon the matters listed above and such other matters as may be presented at the meeting and determined to be appropriate for discussion at that time.*

Notice is hereby given that the City Council may also hold a closed meeting for the purpose of dealing with matters relating to one or more of the following: legal actions, causes of action, litigation or privileged communications between the City's representatives and its attorneys (RSMo 610.021(1) 1994; lease, purchase or sale of real estate (RSMo 610.021(2) 1994; hiring, firing, disciplining or promoting employees with employee groups (RSMo 610.021(3) 1994; Preparation, including any discussions or work product, on behalf of a public governmental body or its representatives for negotiations with employee groups (RSMo 610.021(9) 1994; and/or bidding specification (RSMo 610.021(11) 1994.

PERSONS REQUIRING AN ACCOMMODATION TO ATTEND AND PARTICIPATE IN THE CITY COUNCIL MEETING SHOULD CONTACT CITY CLERK VICKIE HASS AT (636) 537-6716, AT LEAST TWO (2) WORKDAYS PRIOR TO THE MEETING.



AGENDA
CHESTERFIELD CITY COUNCIL MEETING
Chesterfield City Hall
690 Chesterfield Parkway West
Wednesday, February 20, 2019
7:00PM

- I. CALL TO ORDER** – Mayor Bob Nation
- II. PLEDGE OF ALLEGIANCE** – Mayor Bob Nation
- III. MOMENT OF SILENT PRAYER** – Mayor Bob Nation
- IV. ROLL CALL** – City Clerk Vickie Hass
- V. APPROVAL OF MINUTES** – Mayor Bob Nation
 - A. City Council Meeting Minutes** – February 4, 2019
- VI. INTRODUCTORY REMARKS (items not requiring action by City Council)** – Mayor Bob Nation
 - A. Thursday, February 21, 2019** – Planning and Public Works (5:45 pm)
 - B. Monday, February 25, 2019** – F&A Committee Meeting (5:30pm)
 - C. Monday, February 25, 2019** – Planning Commission (7pm)
 - D. Monday, March 4, 2019** – Next City Council Meeting (7pm)
- VII. COMMUNICATIONS AND PETITIONS**
- VIII. APPOINTMENTS** – Mayor Bob Nation
 - A. Board of Adjustment** – Stuart Lindley

IX. STANDING COMMITTEE OF COUNCIL COMMITTEE REPORTS & ASSOCIATED LEGISLATION

A. Planning and Public Works Committee – Chairperson Michelle Ohley, Ward IV

- 1. Bill No. 3229 - Public Street Acceptance – Chesterfield Ridge Center Drive** An ordinance pertaining to the acceptance of a portion of Chesterfield Ridge Center Drive as a public street in the City of Chesterfield. **(First Reading) Planning & Public Works Committee recommends approval.**
- 2. Bill No. 3230 - P.Z. 13-2018 Summit-Topgolf (SkyGroup Investments, LLC)** An ordinance repealing City of Chesterfield Ordinance 3012 to establish a new “PC” Planned Commercial District for a 22.22 acre tract of land located north of North Outer 40 Road and east of Boone’s Crossing (P.Z. 13-2018 Summit-Topgolf [Skygroup Investments, LLC] - 17T510063, 17T520105, 17T520116). **(First Reading) Planning Commission recommends approval. Planning & Public Works Committee recommends approval.**
- 3. Downtown Chesterfield, (Category C), SDCP**
A Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan for the 22 acre tract of land located north of Wild Horse Creek road, east of its intersection with Old Chesterfield Road and west of its intersection with Chesterfield Parkway.
(Voice Vote) Planning & Public Works Committee recommends approval.
- 4. Downtown Chesterfield Category C, Lot A (WildHorse) SDSP**
A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect’s Statement of Design for a 7.3 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road.
(Voice Vote) Planning & Public Works Committee recommends approval.

5. Next Meeting – February 21, 2019 (5:45pm)

B. Finance and Administration Committee – Chairperson Barbara McGuinness, Ward I

- 1. Next Meeting – February 25, 2019 (5:30pm)**

C. Parks, Recreation and Arts Committee – Chairperson Dan Hurt, Ward III

- 1. Creative Arts Alliance Art Sculpture (Roll Call Vote)**

D. Public Health and Safety Committee – Chairperson Ben Keathley, Ward II

X. REPORT FROM THE CITY ADMINISTRATOR & OTHER ITEMS REQUIRING ACTION BY CITY COUNCIL – Mike Geisel

- A. Bid Recommendation - 2019 Construction and Inspection Services (Roll Call Vote)**

XI. OTHER LEGISLATION

- A. Bill No. 3231 - Downtown Chesterfield, Category C (Wildhorse) – Boundary Adjustment Plat** An ordinance providing for the approval of a Boundary Adjustment Plat for seven tracts totaling 10.78 acres, with all tracts zoned “PC&R” Planned Commercial and Residence District within Category C of Downtown Chesterfield (**18S430248, 18T640095, 18T640204, 18T640215, 18T640303, 18T640314, 18T640325**).(First & Second Readings) **Department of Planning & Development Services recommends approval.**
- B. Bill No. 3232 - Downtown Chesterfield, Category C (Wildhorse) - Vacation of Right-of-Way** An ordinance vacating right-of-way located within Category C of the Downtown Chesterfield subdivision recorded in Book 354, Page 865 and 866 of the St. Louis County records, located in U.S. Surveys 123 and 2031, Township 45 North, Range 4 East City of Chesterfield, St. Louis County, Missouri. (**First & Second Readings**) **Department of Planning & Development Services recommends approval.**
- C. Bill No. 3233 - Wild Horse Heights - Boundary Adjustment Plat** An ordinance providing for the approval of a Boundary Adjustment Plat for Adjusted Lot BB and Lot C of Wild Horse Heights to create a 3.922 acre tract of land and a 5.00 acre tract of land, zoned “NU” Non-Urban District, and located on the north side of Wild Horse Creek Road across from Wardenburg Farms Drive (19W630182, 19W640169).(First & Second Readings) **Department of Planning & Development Services recommends approval.**

XII. UNFINISHED BUSINESS – Mayor Bob Nation

XIII. NEW BUSINESS – Mayor Bob Nation

XIV. ADJOURNMENT

NOTE: *City Council will consider and act upon the matters listed above and such other matters as may be presented at the meeting and determined to be appropriate for discussion at that time.*

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AGENDA REVIEW – Wednesday 2/20/2019 – 6:15 PM

An AGENDA REVIEW meeting has been scheduled to start at **6:15 pm, on Wednesday, February 20, 2019.**

Please let me know, ASAP, if you will be unable to attend this meeting.



RECORD OF PROCEEDING

MEETING OF THE CITY COUNCIL OF THE CITY OF CHESTERFIELD AT 690 CHESTERFIELD PARKWAY WEST

FEBRUARY 4, 2019

The meeting was called to order at 7 p.m.

Mayor Bob Nation led everyone in the Pledge of Allegiance and followed with a moment of silent prayer.

A roll call was taken with the following results:

PRESENT

ABSENT

Mayor Bob Nation
Councilmember Barry Flachsbart
Councilmember Barbara McGuinness
Councilmember Ben Keathley
Councilmember Mary Ann Mastorakos
Councilmember Dan Hurt
Councilmember Michael Moore
Councilmember Tom DeCampi
Councilmember Michelle Ohley

APPROVAL OF MINUTES

The minutes of the January 23, 2019 Executive Session were submitted for approval. Councilmember Ohley made a motion, seconded by Councilmember Keathley, to approve the January 23, 2019 Executive Session minutes. A voice vote was taken with a unanimous affirmative result and the motion was declared passed.

The minutes of the January 23, 2019 City Council meeting were submitted for approval. Councilmember Ohley made a motion, seconded by Councilmember Moore, to approve the January 23, 2019 City Council minutes. A voice vote was taken with a unanimous affirmative result and the motion was declared passed.

COMMUNICATIONS AND PETITIONS

The following individuals spoke, requesting consideration of installation of a Cricket Pitch in Chesterfield:

Pooja Ganesh, 1077 Arbor Grove Court
Parth Patel, 934 Silver Buck Lane
Ganesh Krishnamurthy, 1077 Arbor Grove Court

The following individuals spoke in support of the Better Together plan for a St. Louis City-County merger:

Lee Rashman, 17291 Courtyard Mill Lane
Hashim Raza, 1728 Stifel Lane Drive
Mike Hejna, 17814 Greyabbey Court

The following individuals spoke in opposition to the Better Together plan for a St. Louis City-County merger:

Marvin Kanne, 1603 Walpole Drive
Marjie Saiter, 1328 Carriage Crossing Lane
Dennis Ganahl, 15979 Woodlet Way Court
Norman Baxter, 1879 Stenton Path
Ron Cawood, 16992 Riverdale Drive
A.J. Moll, 14470 Tealcrest Drive

INTRODUCTORY REMARKS

Mayor Nation announced that the next meeting of City Council is scheduled for Wednesday, February 20, at 7 p.m.

APPOINTMENTS

There were no appointments.

COUNCIL COMMITTEE REPORTS AND ASSOCIATED LEGISLATION

Planning/Public Works Committee

Bill No. 3226 Authorizes the City of Chesterfield to enter into and execute a contract with St. Louis County, Missouri for Vector Control Services and authorizes and directs the City Administrator of the City of Chesterfield to enter into, on behalf of the City, a contract with St. Louis County, Missouri for Vector Control Service **Planning & Public Works Committee recommends approval (Second Reading)**

Councilmember Michelle Ohley, Chairperson of the Planning/Public Works Committee, made a motion, seconded by Councilmember Flachsbart, for the second reading of Bill No. 3226. A voice vote was taken with a unanimous affirmative result and the motion was declared passed. Bill No. 3226 was read for the second time. A roll call vote was taken for the passage and approval of Bill No. 3226 with the following results: Ayes – Moore, Mastorakos, Hurt, McGuinness, Keathley, Flachsbart, Ohley and DeCampi. Nays – None. Whereupon Mayor Nation declared Bill No. 3226 approved, passed it and it became **ORDINANCE NO. 3033**.

Bill No. 3228 Amends Article 03-07 Use Table for Nonresidential Districts of the Unified Development Code {P.Z. 07-2018 City Of Chesterfield (Unified Development Code Article 3)} **(Second Reading)**
Planning Commission recommends approval

Councilmember Ohley made a motion, seconded by Councilmember Hurt, for the second reading of Bill No. 3228. A voice vote was taken with a unanimous affirmative result and the motion was declared passed. Bill No. 3228 was read for the second time. A roll call vote was taken for the passage and approval of Bill No. 3228 with the following results: Ayes – Hurt, Mastorakos, Ohley, DeCampi, McGuinness, Flachsbart, Keathley and Moore. Nays – None. Whereupon Mayor Nation declared Bill No. 3228 approved, passed it and it became **ORDINANCE NO. 3034**.

Councilmember Ohley announced that the next meeting of this Committee is scheduled for Thursday, February 7, at 5:45 p.m.

Finance and Administration Committee

Councilmember Barbara McGuinness, Chairperson of the Finance and Administration Committee, made a motion, seconded by Councilmember Flachsbart, to approve a three year extension of the current professional services contract with Daniel Jones Associates, for annual audit services with no increase in cost as compared to the current contract. A roll call vote was taken with the following results: Ayes – Flachsbart, Moore, Keathley, McGuinness and Mastorakos. Nays – Ohley, Hurt and DeCampi. Whereupon Mayor Nation declared the motion passed.

Councilmember McGuinness made a motion, seconded by Councilmember Moore, to authorize Staff to enter into an agreement with CGI Communications, as a partner with the National League of Cities for the purpose of providing Community Showcase Videos for the City. There is no financial obligation associated with this agreement. A voice vote was taken with an affirmative result (Councilmember Flachsbart voted “No”) and the motion was declared passed.

Councilmember McGuinness announced that the next meeting of this Committee is scheduled for Monday, February 25, at 5:30 p.m.

Parks, Recreation & Arts Committee

Councilmember Dan Hurt, Chairperson of the Parks, Recreation & Arts Committee, made a motion, seconded by Councilmember Flachsbart, to grant Darcy Capstick emeritus status for the Parks, Recreation and Arts Citizens Advisory Committee. A voice vote was taken with a unanimous affirmative result and the motion was declared passed.

Councilmember Hurt announced that the next meeting of this Committee is scheduled for Monday, February 11, at 5:30 p.m.

Public Health & Safety Committee

Councilmember Ben Keathley, Chairperson of the Public Health & Safety Committee, indicated that there were no action items for this evening.

REPORT FROM THE CITY ADMINISTRATOR

City Administrator Mike Geisel reported that Staff is recommending award of a contract for the 2018 Accessible Sidewalk Ramp Improvement Project. Based upon review of information provided by Director of Public Works/City Engineer Jim Eckrich, Mr. Geisel joined with him in recommending award of a contract to Sweetens Concrete, in the amount of \$38,578, with a funding authorization in an amount not to exceed \$43,000. This will allow construction of the Base Bid, all alternates, and a modest contingency. This entire project is to be funded through the Community Development Block Grant Program, and there will be no net cost to the City. Councilmember Flachsbart made a motion, seconded by Councilmember Ohley, to approve this recommendation. A roll call vote was taken with the following results: Ayes – Hurt, DeCampi, Ohley, Moore, Keathley, Flachsbart, Mastorakos and McGuinness. Nays – None. Whereupon Mayor Nation declared the motion passed.

UNFINISHED BUSINESS

There was no unfinished business.

NEW BUSINESS

There was no new business.

ADJOURNMENT

There being no further business to discuss, Mayor Nation adjourned the meeting at 8:10 p.m.

Mayor Bob Nation

ATTEST:

Vickie J. Hass, City Clerk

APPROVED BY CITY COUNCIL: _____

UPCOMING MEETINGS/EVENTS

A. Thursday, February 21, 2019 – Planning and Public Works (5:45 pm)

B. Monday, February 25, 2019 – F&A Committee Meeting (5:30pm)

C. Monday, February 25, 2019 – Planning Commission (7pm)

D. Monday, March 4, 2019 – Next City Council Meeting (7pm)

APPOINTMENTS

Appointment – Board of Adjustment

Mayor Nation has nominated Stuart Lindley for appointment to the Board of Adjustment to fill an “Alternate” position for a new five-year term. As a statutory Committee appointment, the Mayor’s nomination requires the consent of City Council. A voice vote is requested.



DATE: February 4, 2019
TO: Michael O. Geisel, City Administrator
FROM: Vickie J. Hass, City Clerk *VJH*
SUBJECT: Statutory Committee Member Appointment

Mayor Nation intends to nominate the following individual for appointment to fill an "Alternate" position at the February 20, 2019 City Council meeting (resume attached):

Board of Adjustment

Stuart Lindley
15979 Meadow Oak Drive
Chesterfield, MO 63017
314-973-4153
sjlindley@aol.com
Ward IV
New term expires 2/20/24

This appointment is for a five-year term. Please add this appointment to the February 20 City Council agenda.

January 31, 2019

Short Resume of Stuart J. Lindley

15979 Meadow Oak Drive

Chesterfield, MO 63017

Phone: (314) 973-4153

Resently retired after a 22 year ownership of Amerwest, Inc. - Builder of multi-unit tenant housing facilities in Missouri, Illinois, Kansas, Oklahoma, Arkansas. Presently doing property management for several California owners of commercial property within south St. Louis County.

Executive Vice President – Baughman – Oster Grain Bin Manufacturing Company & Baughman – International – Taylorville, IL - Manufacturer of grain storage facilities and drying equipment both domestic and international (USA, Canada, Central and South America, Israel, India, Pakistan, Australia). Sold business to National Steel Corporation, moved to Chesterfield, MO, and started with a new partnership to build multi-unit housing facilities throughout the midwest area.

Graduate of Indiana State University – Terre Haute, IN

PLANNING AND PUBLIC WORKS COMMITTEE

Chair: Councilmember Ohley

Vice Chair: Councilmember Hurt

The Planning and Public Works Committee has the following action items for the February 20, 2019 City Council meeting.

Bill No. 3229 - Public Street Acceptance – Chesterfield Ridge Center Drive

An ordinance pertaining to the acceptance of a portion of Chesterfield Ridge Center Drive as a public street in the City of Chesterfield. You may recall that this is the roadway included in the Parks Donation agreement previously approved by City Council. All repair work has been completed to the City's satisfaction and street acceptance is required per the agreement as a condition precedent to closing on the donated properties. **(First Reading) Planning & Public Works Committee recommends approval.**

Bill No. 3230 - P.Z. 13-2018 Summit-Topgolf (SkyGroup Investments, LLC)

An ordinance repealing City of Chesterfield Ordinance 3012 to establish a new "PC" Planned Commercial District for a 22.22 acre tract of land located north of North Outer 40 Road and east of Boone's Crossing (P.Z. 13-2018 Summit-Topgolf [Skygroup Investments, LLC] - 17T510063, 17T520105, 17T520116). **(First Reading) Planning Commission recommends approval. Planning & Public Works Committee recommends approval**

Downtown Chesterfield, (Category C), SDCP

A Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan for the 22 acre tract of land located north of Wild Horse Creek road, east of its intersection with Old Chesterfield Road and west of its intersection with Chesterfield Parkway. **(Voice Vote) Planning & Public Works Committee recommends approval.**

Downtown Chesterfield Category C, Lot A (WildHorse) SDSP

A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 7.3 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road. **(Voice Vote) Planning & Public Works Committee recommends approval.**

NEXT MEETING

The next meeting of the Planning & Public Works Committee is scheduled for Thursday, February 21, 2018 at 5:45 pm.

If you have any questions, please contact Director of Public Works/City Engineer Jim Eckrich, Director of Planning and Development Services Justine Wyse, or me prior to Wednesday's meeting.

MEMORANDUM

TO: Mike Geisel, City Administrator

FROM: Justin Wyse, Director of Planning & Development Services
James Eckrich, Director of Public Works/City Engineer

SUBJECT: Planning & Public Works Committee Meeting Summary
Thursday, February 7, 2019



A meeting of the Planning and Public Works Committee of the Chesterfield City Council was held on Thursday, February 7, 2019 in Conference Room 101.

In attendance were: **Chair Michelle Ohley** (Ward IV), **Councilmember Barry Flachsbart** (Ward I), **Councilmember Mary Ann Mastorakos** (Ward II), and **Councilmember Dan Hurt** (Ward III).

Also in attendance were: Mayor Bob Nation; Planning Commission Chair Merrell Hansen; Jim Eckrich, Director of Public Works/City Engineer; Justin Wyse, Director of Planning & Development Services; Mike Knight, Planner; and Kathy Juergens, Recording Secretary.

The meeting was called to order at 5:45 p.m.

I. BOARD OF ADJUSTMENT NOMINEE INTERVIEW

Chair Ohley introduced Stuart Lindley. Mayor Nation stated that Mr. Lindley has been a resident of Clarkson Woods subdivision for many years and has served as a trustee. He is an engineer by trade, and even though his resume is brief, his background and expertise qualify him for the position. Mr. Lindley stated he owns property in Crestwood and he has served on a few committees for the City of Crestwood. In the past, he has also been very active in the City of Taylorville, Illinois, and has served on their planning and zoning committee. In response to questions regarding Mr. Lindley's background, Mr. Lindley explained how his background would complement the responsibilities of the Board of Adjustment committee and he stated that he would always have Chesterfield's best interest at heart.

Councilmember Hurt made a motion to forward the Board of Adjustment nomination of **Stuart Lindley to City Council with a recommendation to approve**. The motion was seconded by Chair Ohley and **passed by a voice vote of 4-0**.

II. APPROVAL OF MEETING SUMMARY

A. Approval of the January 10, 2019 Committee Meeting Summary

Councilmember Flachsbart made a motion to approve the Meeting Summary of **January 10, 2019**. The motion was seconded by Councilmember Mastorakos and **passed by a voice vote of 4-0**.

III. UNFINISHED BUSINESS - None

IV. NEW BUSINESS

- A. **P.Z. 13-2018 Summit-Topgolf (SkyGroup Investments, LLC)**: An ordinance repealing City of Chesterfield Ordinance 3012 to establish a new "PC" Planned Commercial District for a 22.22 acre tract of land located north of North Outer 40 Road and east of Boone's Crossing. (17T510063, 17T520105, 17T520116) (Ward 4)

STAFF REPORT

Mike Knight, Planner, presented the request for a zoning map amendment to repeal Ordinance 3012 and establish a new "PC" Planned Commercial District. The 22 acre tract of land is currently made up of three Lots; A, B and C. Lot A has an approved Site Development Section Plan for a 128-room hotel, Lot B is TopGolf, and Lot C is currently undeveloped.

There are two purposes for this request:

- 1) Subdivide Lot C into two lots referenced as C1 and C2.
- 2) Increase the maximum building height of Lot C2 from 60 to 65 feet. The maximum height would remain at 60 feet for Lots A, B, and C1.

A public hearing was held on January 14 and no issues were raised by the Planning Commission regarding the zoning. However, there was considerable discussion regarding pedestrian circulation. At the January 28 Planning Commission meeting, the applicant stated that they would work with TopGolf (Lot B) to accomplish the desired pedestrian circulation internally and between the sites and that a solution would be presented on a future Site Development Section Plan. The Planning Commission unanimously approved the request.

DISCUSSION

There was discussion regarding access points along North Outer 40 Road and possible future cross access to the property located east of Lot C2. It was determined that the spacing between access points meets or exceeds City standards. The access points did not change from the current Preliminary Development Plan.

In response to questions regarding pedestrian circulation, Mr. Knight stated that the Planning Commission discussed three options to connect Lots A, B, and C: 1) straight north with a connection to the Levee Trail; 2) directly south of Topgolf; or 3) along North Outer 40. They also discussed utilizing multiple options rather than just one option to provide connectivity.

Councilmember Mastorakos inquired about the future development of Lot C1. Mr. George Stock, Stock & Associates, stated that it would likely be a destination entertainment venue or a restaurant and would complement the immediate surrounding area.

Councilmember Hurt indicated he is in favor of the request, however, he expressed concern with the piecemeal effect of the development and stated he will be very critical at the Site Plan level.

Councilmember Hurt made a motion to forward P.Z. 13-2018 Summit-Topgolf (SkyGroup Investments, LLC) to City Council with a recommendation to approve. The motion was seconded by Councilmember Ohley and **passed** by a voice vote of 3-1 with Councilmember Mastorakos voting nay.

Note: One Bill, as recommended by the Planning Commission, will be needed for the February 20, 2019 City Council Meeting. See Bill #

[Please see the attached report prepared by Justin Wyse, Director of Planning and Development Services, for additional information on P.Z. 13-2018 Summit-Topgolf (SkyGroup Investments, LLC).]

Justin Wyse, Director of Planning and Development Services, stated that Items B and C are related and recommended that the items be discussed concurrently; however, two separate motions are required.

B. POWER OF REVIEW - Downtown Chesterfield, (Category C), SDCP: A Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan for the 22 acre tract of land located north of Wild Horse Creek road, east of its intersection with Old Chesterfield Road and west of its intersection with Chesterfield Parkway. (Ward 2)

C. POWER OF REVIEW - Downtown Chesterfield Category C, Lot A (Wildhorse) SDSP: A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 7.3 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield

STAFF REPORT

Mike Knight, Planner, stated that both of these petitions are being forwarded to this Committee as the governing ordinance states that City Council has automatic power of review of site plans for the development of Downtown Chesterfield.

Downtown Chesterfield (Category C), SDCP

Mr. Knight presented the petition for a phased development consisting of five lots totaling 22 acres. The subject site is located in what is known as "Category C" of Downtown Chesterfield. He presented a PowerPoint depicting the Site Development Concept Plan. He noted the five lots, A through E, along with the three access points; two off Wild Horse Creek Road and one off of Old Chesterfield Road. He also presented the landscape concept plan, lighting concept plan, and signage concept plan that will be utilized throughout the development and provide a consistent appearance throughout Category C of Downtown Chesterfield.

Downtown Chesterfield Category C, Lot A (Wildhorse) SDSP

Mr. Knight then presented the Section Plan for Lot A, the Wildhorse development. Lot A consists of 7 acres between Wild Horse Creek Road and I-64. The request is to allow for the development of 1 mixed-use building containing 173 residential units, 12,500 square feet of retail and 14,550 square feet of restaurant. The building is 4 to 5 stories high depending on the elevation. There is a parking garage underneath the building and there is a 2-story restaurant. Primary access is off of Wild Horse Creek Road with a secondary extension to Old Chesterfield Road.

Mr. Knight explained the components of the Site Development Section Plan including vehicular access, pedestrian circulation, landscaping, lighting, signage and elevations. Mr. Knight stated that a Traffic Study was also completed which identified two turning movements that cause considerable delay primarily because Old Chesterfield Road is being used as a cut-through to Baxter Road.

The project was reviewed by the Architectural Review Board on November 8, 2018. At that time, the Architectural Review Board made a recommendation for approval with conditions. Those conditions have been fulfilled.

The Project was reviewed by the Planning Commission on January 28 and they recommended approval by a vote of 8-1.

DISCUSSION

In response to questions regarding the railing on the balconies, the Architect, Rich Obertino, stated that all the railings were on private balconies. He stated they used a coated, black metal wire mesh railing instead of the traditional railing to add more context to the building.

Access points were discussed. Mr. Knight stated that there are three points of access to Category C, two off of Wild Horse Creek Road and one off of Old Chesterfield Road. There is one access point for Lot C off of Wild Horse Creek Road with an existing curb cut. There will be two access points for the remaining four lots with one off of Wild Horse Creek Road and one off of Old Chesterfield Road. Additionally, there will be cross access between Lots A, B, D, and E. It was discussed that at some point in the future with development of Lot C, the access to Wild Horse Creek Road may be restricted to right-in and right-out. There was also discussion regarding access to Lot E when it is developed.

Chair Ohley asked if it was possible to add some color to break up the earth tones. The Architect stated they did not feel that bright colors would fit in. They are trying to develop a stately residential development using brick and stone. Further discussion was held on the pros and cons of earth tones and brighter colors.

Councilmember Hurt made a motion to forward Downtown Chesterfield, (Category C), SDCP to City Council with a recommendation to approve. The motion was seconded by Councilmember Flachsbart and **passed by a voice vote of 4-0.**

Note: One Bill, as recommended by the Planning Commission, will be needed for the February 20, 2019 City Council Meeting. See Bill #

[Please see the attached report prepared by Justin Wyse, Director of Planning and Development Services, for additional information on Downtown Chesterfield, (Category C), SDCP.]

Councilmember Hurt made a motion to forward Downtown Chesterfield, (Category C), Lot A (Wildhorse) SDSP to City Council with a recommendation to approve. The motion was seconded by Councilmember Flachsbart and **passed by a voice vote of 4-0.**

Note: One Bill, as recommended by the Planning Commission, will be needed for the February 20, 2019 City Council Meeting. See Bill #

[Please see the attached report prepared by Justin Wyse, Director of Planning and Development Services, for additional information on Downtown Chesterfield, (Category C), Lot A (Wildhorse) SDSP.]

D. Public Street Acceptance-Chesterfield Ridge Center Drive

STAFF REPORT

Jim Eckrich, Director of Public Works/City Engineer, stated that the City of Chesterfield has recently entered into an Agreement with Chesterfield Village Incorporated (CVI) regarding the donation of land for an extension of the Riparian Trail. As part of that Agreement, the City agreed to convert a portion of Chesterfield Ridge Center Drive, including the bridge, from a private street to a public street. Prior to accepting the street and bridge as public, the City required that CVI make certain improvements to the bridge. Those improvements have been made to City standards. Therefore, City Staff is now requesting that Council approve the acceptance of a portion of Chesterfield Ridge Center Drive as a public road, via ordinance.

Councilmember Flachsbart made a motion to forward the Public Street Acceptance of Chesterfield Ridge Center Drive to City Council with a recommendation to approve. The motion was seconded by Councilmember Hurt and **passed** by a voice vote of 4-0.

Note: One Bill, as recommended by the Planning & Public Works Committee, will be needed for the February 20, 2019 City Council Meeting. See Bill #

[Please see the attached report prepared by Jim Eckrich, Director of Public Works/City Engineer, for additional information on Public Street Acceptance-Chesterfield Ridge Center Drive.]

E. Comprehensive Plan Update

Justin Wyse, Director of Planning and Development Services, briefly explained the “on the table” phase of the Comprehensive Plan project and provided instructional packets. He encouraged the Committee to hand out the packets to friends and neighbors and to host their own conversation. The timeframe for this phase is February 6 through March 6.

V. OTHER

VI. ADJOURNMENT

The meeting adjourned at 6:56 p.m.

Memorandum

Department of Public Works



TO: Michael O. Geisel, P.E.
City Administrator

FROM: James A. Eckrich, P.E.
Public Works Dir. / City Engineer

DATE: January 10, 2019 *gme*

RE: Public Street Acceptance – Chesterfield Ridge Center Dr.

In 2018 the City of Chesterfield approved an Agreement Amendment with Chesterfield Village Incorporated (CVI) which included the conversion of a portion of Chesterfield Ridge Center Drive from a private street to a public street. Prior to accepting the street and bridge as public, the City required that CVI make certain improvements to the bridge. Those improvements have been made, as verified by City Staff. Therefore, in accordance with the Agreement Amendment, the City shall accept a portion of Chesterfield Ridge Center Drive as a public road. Attached are a draft ordinance accepting a portion of Chesterfield Ridge Center Drive, and a legal description / map depicting the portion of Chesterfield Ridge Center Drive which will become public.

Action Recommended

This matter should be forwarded to the Planning and Public Works Committee for its consideration of the attached ordinance authorizing acceptance of a portion of Chesterfield Ridge Center Drive. If the Planning and Public Works Committee recommends approval, the matter shall be forwarded to City Council.

Please forward to the PPW Committee for review and recommendation per the previously approved parks donation agreement.

MO Geisel

1/10/2019

BILL NO. 3229

ORDINANCE NO. _____

AN ORDINANCE PERTAINING TO THE ACCEPTANCE OF A PORTION OF CHESTERFIELD RIDGE CENTER DRIVE AS A PUBLIC STREET IN THE CITY OF CHESTERFIELD

WHEREAS, in 2018 the City of Chesterfield approved a First Amendment to the Agreement Regarding the Contribution of Land to the City of Chesterfield, Missouri for its Parks and Trails System (Amendment) with Chesterfield Village Incorporated (CVI); and

WHEREAS, approval of the Amendment included the conversion of a portion of Chesterfield Ridge Center Drive from a private road to a public road, conditioned upon CVI constructing certain improvements to the bridge; and

WHEREAS, the required improvements to the Chesterfield Ridge Center Drive bridge have been constructed; and those improvements have been determined to meet City standards by the City Engineer.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, AS FOLLOWS:

Section 1. The following street is hereby accepted by the City of Chesterfield for future care and maintenance:

Chesterfield Ridge Center Drive

Approximately 820 feet; from
Interstate 64 to eastern limit of bridge.
Book 347, Page 629

Section 2. This Ordinance shall be in full force and effect from and after its passage and approval.

Passed and approved this _____ day of _____, 2019.

PRESIDING OFFICER

Bob Nation, MAYOR

ATTEST:

Vickie Hass, CITY CLERK

[FIRST READING HELD: _____]

EXHIBIT A-15

BRIDGE PROPERTY

Tract 1 - West Part (North Outer 40 Rd. to Bridge)

A tract of land being part of Lots C302A and C302B of "Chesterfield Village Northwest Quadrant Ridge Center Tract", a subdivision according to the plat thereof record in Plat Book 347 page 629 of the St. Louis County Records, in U.S. Survey 415, Township 45 North - Range 4 East, City of Chesterfield, St. Louis County, Missouri and being more particularly described as:

Commencing at a point in the West line of Swingley Ridge Road, 31 feet wide, being the Southeast corner of said Lot C302A, said point being also the Easternmost corner of Lot C302B of said "Chesterfield Village Northwest Quadrant Ridge Center Tract"; thence Northwardly along said West line of Swingley Ridge Road, 31 feet wide, North 19 degrees 49 minutes 16 seconds East 31.19 feet to the ACTUAL POINT OF BEGINNING; thence leaving said West line, North 52 degrees 10 minutes 55 seconds West 52.14 feet to a point; thence South 38 degrees 01 minute 59 seconds West 33.43 feet to a point; thence North 53 degrees 39 minutes 13 seconds West 2.45 feet to a point; thence North 52 degrees 08 minutes 50 seconds West 15.03 feet to a point; thence North 37 degrees 07 minutes 37 seconds East 2.86 feet to a point in the Northeast line of said Lot C302B, being also the Southwest line of said Lot C302A; thence Northwestwardly and Westwardly along the line dividing said Lots C302A and C302B the following courses and distances: North 52 degrees 52 minutes 23 seconds West 29.95 feet, along a curve to the left whose radius point bears South 37 degrees 07 minutes 37 seconds West 233.17 feet from the last mentioned point, a distance of 291.62 feet, along a curve to the right whose radius point bears North 34 degrees 31 minutes 53 seconds West 261.58 feet from the last mentioned point, a distance of 67.32 feet and South 70 degrees 12 minutes 47 seconds West 26.79 feet to a point in the East right of way line of Interstate Highway 64, variable width; thence Northwardly along said East right of way line, North 16 degrees 38 minutes 54 seconds West 32.05 feet to a point; thence leaving said East right of way line, North 70 degrees 12 minutes 48 seconds East 25.03 feet to a point; thence along a curve to the left whose radius point bears North 19 degrees 47 minutes 11 seconds West 229.58 feet from the last mentioned point, a distance of 59.08 feet to a point; thence along a curve to the right whose radius point bears South 34 degrees 31 minutes 53 seconds East 265.17 feet from the last mentioned point, a distance of 331.64 feet to a point; thence South 52 degrees 52 minutes 23 seconds East 99.40 feet to a point in the aforementioned West line of Swingley Ridge Road, 31 feet wide; thence Southwardly along said West line, South 19 degrees 49 minutes 16 seconds West 2.33 feet to the point of beginning and containing 0.333 acres according to calculations by Volz Incorporated on July 25, 2018.

Tract 2 - Elevated Bridge Tract

That part of Lots C302A and C302B of "Chesterfield Village Northwest Quadrant Ridge Center Tract", a subdivision according to the plat thereof recorded in Plat Book 347 page 629 of the St. Louis County Records, that part of Swingley Ridge Road, 31 feet wide and that part of Lot 11 of the Subdivision of the West Part of U.S. Survey 415, Township 45 North - Range 4 East, City of Chesterfield, St. Louis County, Missouri, lying above the following described surface:

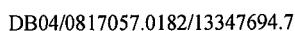
Commencing at the intersection of the Southwest line of "Phase 2 Chesterfield Village Apartments", a subdivision according to the plat thereof recorded in Plat Book 243 pages 99 and 100 of the St. Louis County Records with the East line of Swingley Ridge Road, 31 feet wide; thence Southwardly along said East line of Swingley Ridge Road, 31 feet wide, South 19 degrees 49 minutes 16 seconds West 33.27 feet to a point at elevation 583.65 NAVD88(SLC2011a) datum, and being the ACTUAL POINT OF BEGINNING; thence South 52 degrees 10 minutes 55 seconds East 13.68 feet and descending to a point at elevation 583.48; thence South 52 degrees 10 minutes 55 seconds East 9.88 feet and descending to a point at elevation 583.39; thence South 52 degrees 10 minutes 55 seconds East 36.16 feet and descending to a point at elevation 583.03; thence South 52 degrees 10 minutes 55 seconds East 13.87 feet and descending to a point at elevation 582.88; thence South 52 degrees 10 minutes 55 seconds East 52.45 feet and descending to a point at elevation 581.94; thence South 52 degrees 10 minutes 55 seconds East 9.74 feet and descending to a point at elevation 581.77; thence South 52 degrees 10 minutes 55 seconds East 50.32 feet and descending to a point at elevation 580.05; thence South 52 degrees 10 minutes 55 seconds East 9.93 feet and descending to a point at elevation 579.66; thence South 52 degrees 10 minutes 55 seconds East 37.65 feet and descending to a point at elevation 578.25; thence South 37 degrees 41 minutes 50 seconds West 27.68 feet and descending to a point at elevation 578.18; thence North 52 degrees 12 minutes 14 seconds West 37.73 feet and ascending to a point at elevation 579.67; thence North 52 degrees 12 minutes 14 seconds West 9.86 feet and ascending to a point at elevation 580.04; thence North 52 degrees 12 minutes 14 seconds West 50.21 feet and ascending to a point at elevation 581.77; thence North 52 degrees 12 minutes 14 seconds West 9.94 feet and ascending to a point at elevation 581.99; thence North 52 degrees 12 minutes 14 seconds West 16.88 feet and ascending to a point at elevation 582.33; thence along a curve to the left whose radius point bears South 37 degrees 47 minutes 46 seconds West 14.74 feet from the last mentioned point, a distance of 13.10 feet and ascending to a point at elevation 582.58; thence North 52 degrees 15 minutes 40 seconds West 13.48 feet and ascending to a point at elevation 582.84; thence North 52 degrees 15 minutes 40 seconds West 13.75 feet and ascending to a point at elevation 582.96; thence North 52 degrees 15 minutes 40 seconds West 46.95 feet and ascending to a point at elevation 583.40; thence North 52 degrees 15 minutes 40 seconds West 9.88 feet and ascending to a point at elevation 583.42; thence North 52 degrees 15 minutes 40 seconds West 50.51 feet and ascending to a point at elevation 584.03; thence North 52 degrees 15 minutes 40 seconds West 9.60 feet and ascending to a point at elevation 584.05; thence North 52 degrees 15 minutes 40 seconds West 38.37 feet and ascending to a point at elevation 584.53; thence North 38 degrees 01 minute 59 seconds East 33.43 feet and ascending to a point at elevation 584.54; thence South 52 degrees 10 minutes 55 seconds East 38.17 feet and descending to a point at elevation 584.09; thence South 52 degrees 10 minutes 55 seconds East 10.05 feet to a point at elevation 584.09; thence South 52 degrees 10 minutes 55 seconds East 36.52 feet and descending to a point at elevation 583.65 to the point of beginning and containing 0.226 acres according to calculations by Volz Incorporated on July 24, 2018.

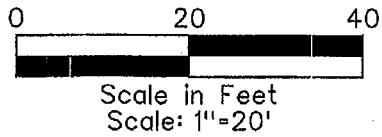
Tract 3 - Non-Elevated Bridge Tract (Southeast End of Bridge)

A tract of land being part of Lot 11 of the Subdivision of the West Part of U.S. Survey 415, Township 45 North - Range 4 East, City of Chesterfield, St. Louis County, Missouri and being more particularly described as;

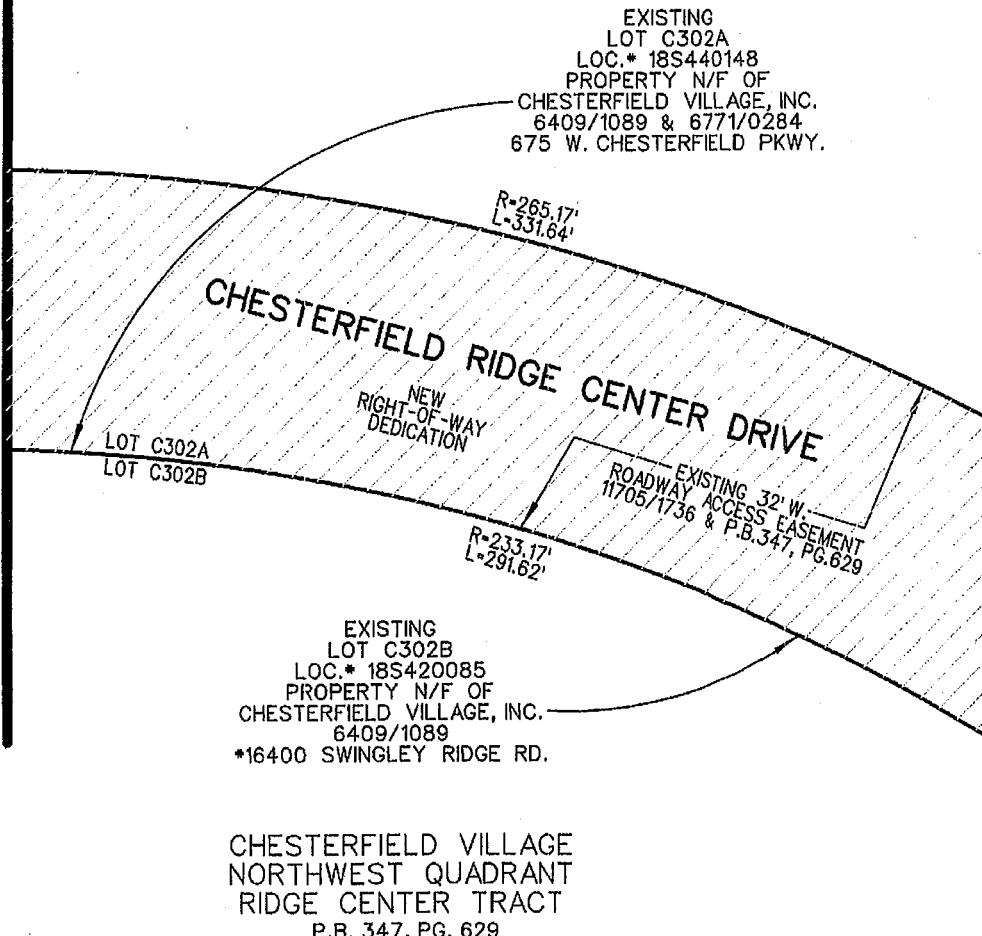
Commencing at the intersection of the Southwest line of "Phase 2 Chesterfield Village Apartments", a subdivision according to the plat thereof recorded in Plat Book 243 pages 99 and 100 of the St. Louis

County Records, with the East line of Swingley Ridge Road, 31 feet wide; thence Southeastwardly along the Southwest line of said "Phase 2 Chesterfield Village Apartments", South 50 degrees 11 minutes 22 seconds East 261.27 feet to a point; thence leaving said Southwest line, South 37 degrees 13 minutes 18 seconds West 23.43 feet to the intersection of the back of the Northeastern concrete curb of Chesterfield Ridge Center Drive with the Southeastern edge of the concrete pavement (hereof, and being the ACTUAL POINT OF BEGINNING; thence Southwestwardly, through said concrete curb and along the Southeast edge of said concrete pavement, being also the Northwest edge of the asphalt pavement, South 37 degrees 13 minutes 18 seconds West 25.98 feet to an angle point in said pavement; thence Westwardly along a South line of said concrete pavement, being also a North line of said asphalt pavement and the Westward prolongation thereof, South 72 degrees 42 minutes 00 seconds West 2.74 feet to a point in the back of a Southwestern concrete curb of said Chesterfield Ridge Center Drive; thence Northwestwardly along the back of said concrete curb, along a curve to the left whose radius point bears South 75 degrees 15 minutes 48 seconds West 9.63 feet from the last mentioned point, a distance of 5.90 feet and North 52 degrees 12 minutes 13 seconds West 0.92 feet to a point; thence leaving said curb, South 37 degrees 47 minutes 46 seconds West 3.20 feet to a point; thence North 52 degrees 12 minutes 14 seconds West 11.13 feet to a point; thence North 38 degrees 24 minutes 20 seconds East 2.65 feet to a point; thence South 52 degrees 12 minutes 14 seconds East 1.42 feet to a point; thence North 37 degrees 41 minutes 50 seconds East 27.68 feet to a point; thence North 52 degrees 10 minutes 55 seconds West 1.67 feet to a point; thence North 37 degrees 31 minutes 26 seconds East 4.13 feet to a point; thence South 52 degrees 10 minutes 55 seconds East 7.90 feet to a point; thence South 37 degrees 49 minutes 05 seconds West 4.13 feet to a point; thence South 52 degrees 10 minutes 55 seconds East 3.26 feet to a point; thence South 39 degrees 11 minutes 05 seconds West 0.87 feet to a point in the back of the aforesaid Northeastern concrete curb of Chesterfield Ridge Center Drive; thence Southeastwardly along the back of said Northeastern concrete curb, South 52 degrees 11 minutes 12 seconds East 7.96 feet to the point of beginning and containing 0.012 acres according to calculations by Volz Incorporated on August 6, 2018.





MATCHLINE - SEE SHEET 3 OF 4

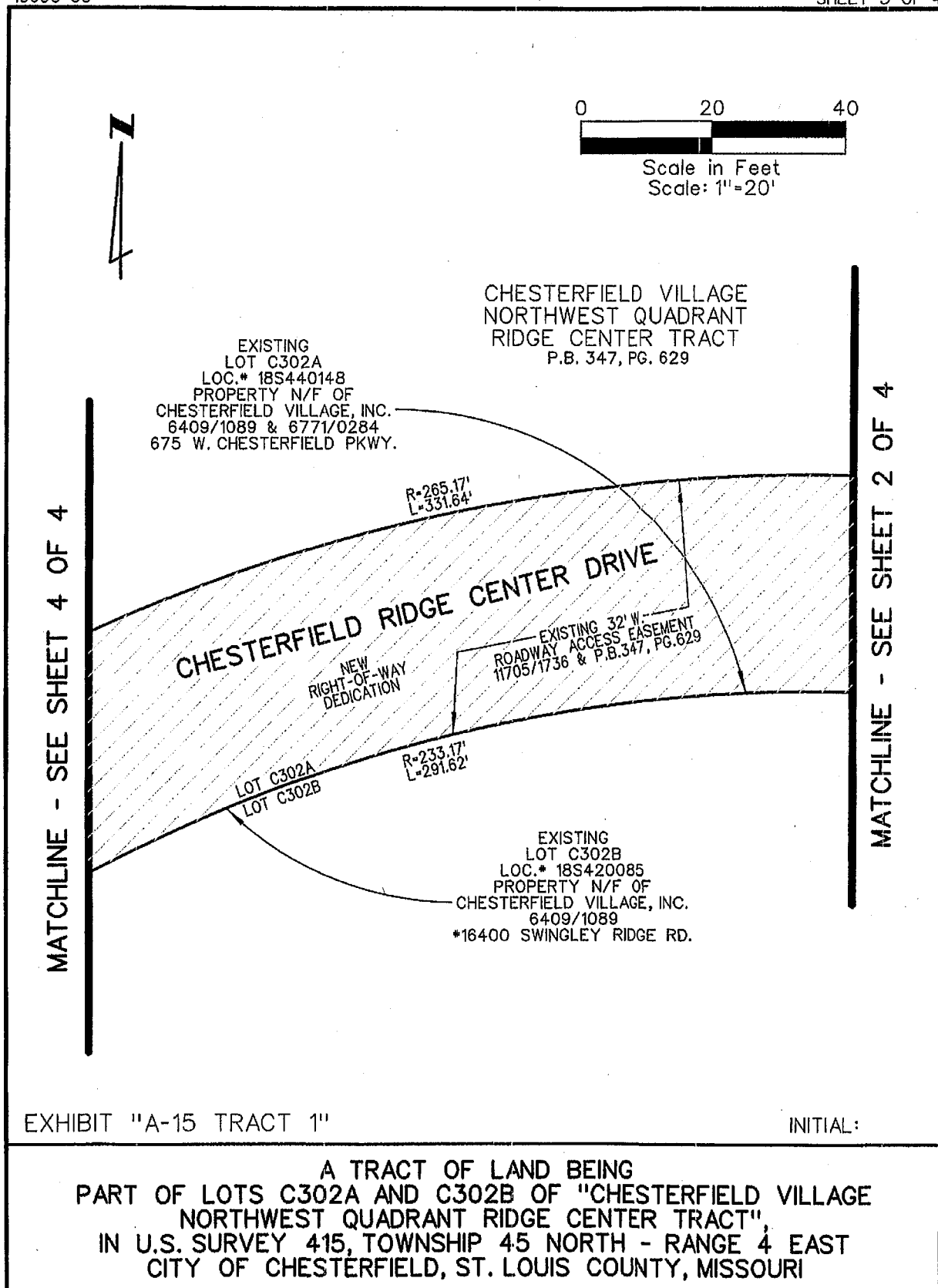


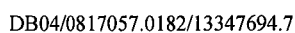
MATCHLINE - SEE SHEET 1 OF 4

EXHIBIT "A-15 TRACT 1"

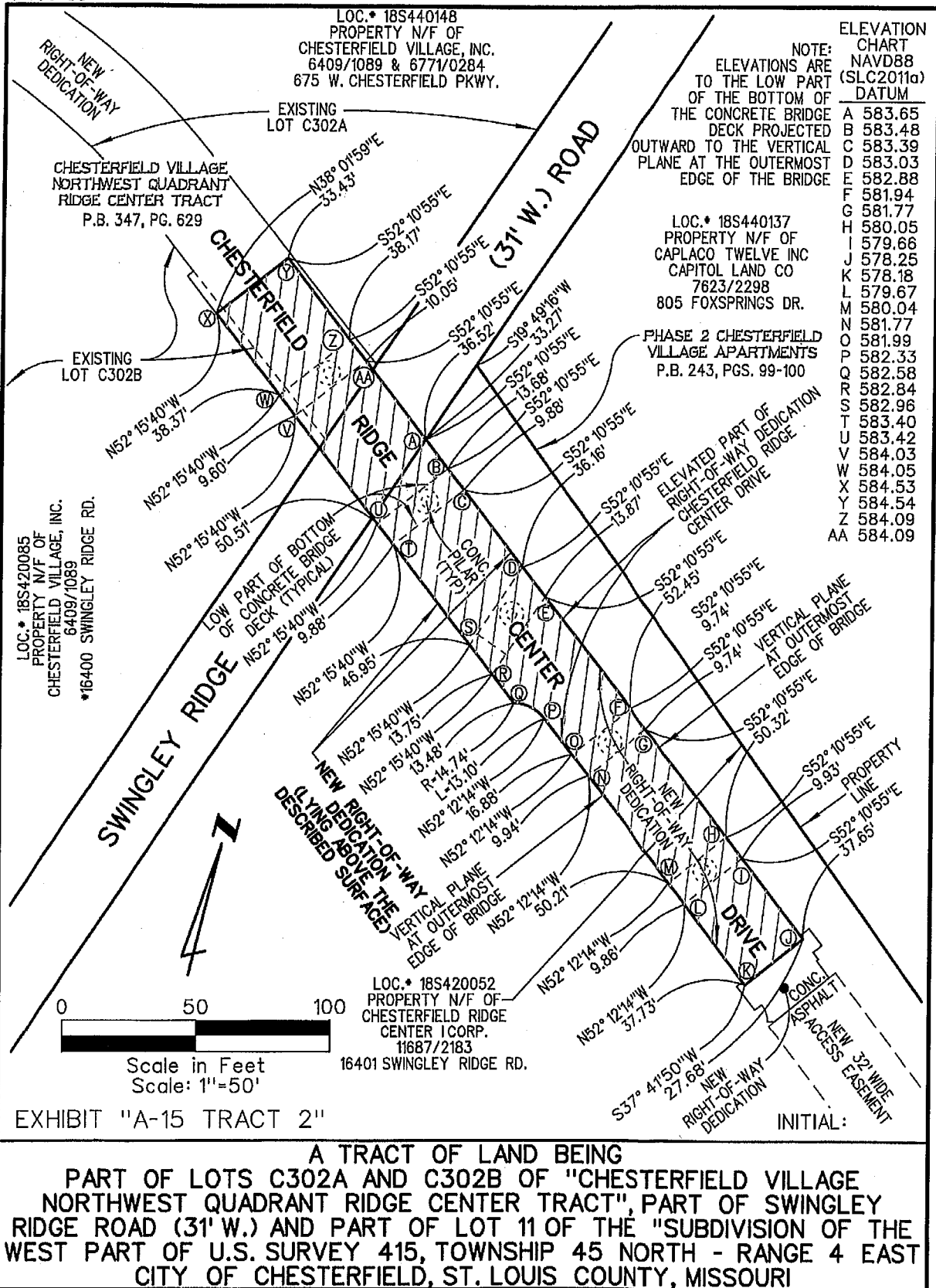
INITIAL:

A TRACT OF LAND BEING
PART OF LOTS C302A AND C302B OF "CHESTERFIELD VILLAGE
NORTHWEST QUADRANT RIDGE CENTER TRACT",
IN U.S. SURVEY 415, TOWNSHIP 45 NORTH - RANGE 4 EAST
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI





CHESTERFIELD RIDGE CENTER DRIVE
10600-00



CHESTERFIELD RIDGE CENTER DRIVE
10600-00

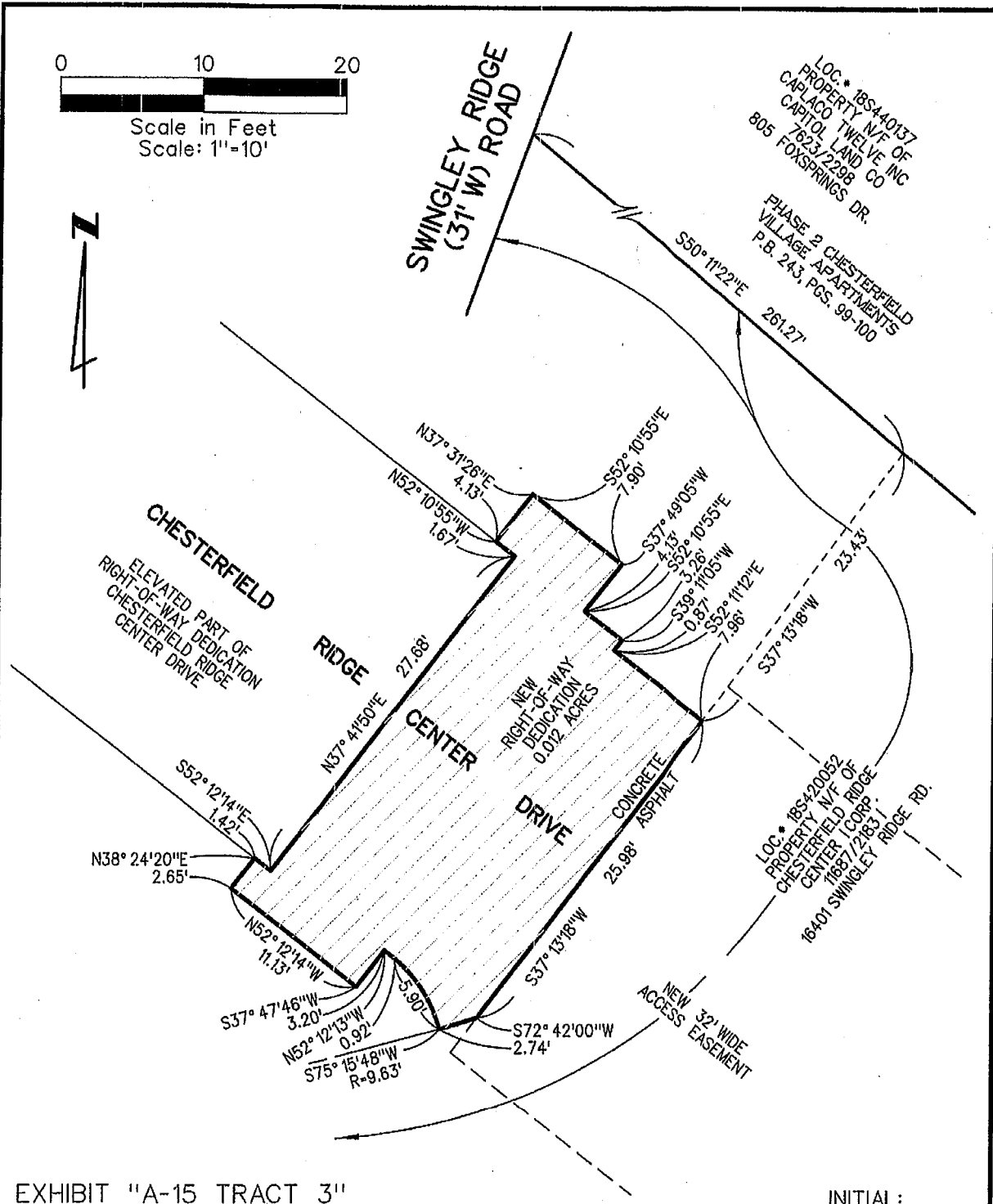
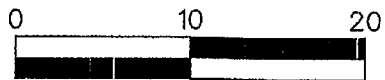


EXHIBIT "A-15 TRACT 3"

INITIAL:

A TRACT OF LAND BEING
PART OF LOT 11 OF THE "SUBDIVISION OF THE
WEST PART OF U.S. SURVEY 415, TOWNSHIP 45 NORTH - RANGE 4 EAST
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

Memorandum

Department of Planning & Development Services



To: Michael O. Geisel, City Administrator

From: Justin Wyse, Director of Planning and Development Services

Date: February 20, 2019

RE: **P.Z. 13-2018 Summit-Topgolf (SkyGroup Investments, LLC):** An ordinance repealing City of Chesterfield Ordinance 3012 to establish a new "PC" Planned Commercial District for a 22.22 acre tract of land located north of North Outer 40 Road and east of Boone's Crossing. (17T510063, 17T520105, 17T520116)

Summary

SkyGroup Investments, LLC is requesting a zoning map amendment to repeal City of Chesterfield Ordinance 3012 and establish a new "PC" Planned Commercial District for a 22.22 acre tract of land located north of North Outer 40 Road and east of Boone's Crossing. The 22 acre tract of land is currently made up of three lots; (Lots A, B, and C).

There are two primary purposes with this request. **The first purpose would be to subdivide Lot C into two lots referenced as C1 and C2.** The total acreage currently for Lot C is 3.8 acres. Proposed Lot C1 would be the western portion consisting of 2.2 acres and C2 would be the eastern portion of 1.6 acres. **The second purpose would be to increase the maximum building height of Lot C2 from sixty (60) to sixty-five (65) feet.** Lots A, B, and C1 would maintain the sixty (60) foot height limitation.

A Public Hearing was held on January 14, 2019. There were no issues addressed by Planning Commission pertaining to this petition. There was considerable discussion between the Commission, Staff, and the applicant in regards to pedestrian circulation. It was noted that emphasis will be placed on achieving pedestrian circulation both internally within the site and externally between sites upon each time a Site Development Section Plan is submitted.

On January 28, 2019 this petition was next brought before the Planning Commission. At that meeting, the applicant stated that they will work with TopGolf (Lot B) to accomplish the desired pedestrian circulation internally and between sites, and noted that they will be investigating multiple options.

Planning Commission made the motion to approve P.Z. 13-2018 Summit-Topgolf (SkyGroup Investments, LLC) with the proposed Attachment A language included with the Jan 28, 2019 Staff Report. The motion passed by a vote of 9-0.

On February 7, 2019 the Planning and Public Works Committee met and discussed the petition. A motion to recommend approval was passed by a vote of 3-1.

Attached to this report please find a copy of Staff's Issues and Vote Report, Narrative Statement with Supplementary Exhibit, Updated Attachment A, and Preliminary Plan.

Attachments: Legislation
Attachment A
Preliminary Plan



Figure 1: Subject Site Aerial (Current Configuration)



Figure 2: Subject Site Aerial (Configuration If Approved)

AN ORDINANCE REPEALING CITY OF CHESTERFIELD ORDINANCE 3012 TO ESTABLISH A NEW “PC” PLANNED COMMERCIAL DISTRICT FOR A 22.22 ACRE TRACT OF LAND LOCATED NORTH OF NORTH OUTER 40 ROAD AND EAST OF BOONE’S CROSSING (P.Z. 13-2018 SUMMIT-TOPGOLF [SKYGROUP INVESTMENTS, LLC] - 17T510063, 17T520105, 17T520116).

WHEREAS, the petitioner, SkyGroup Investments, LLC, has requested a zoning map amendment to repeal City of Chesterfield Ordinance 3012 and establish a new “PC” Planned Commercial District for a 22.22 acre tract of land located north of North Outer 40 Road and east of Boone’s Crossing; and,

WHEREAS, a Public Hearing was held before the Planning Commission on January 14, 2019; and,

WHEREAS, the Planning Commission having considered said request, recommended approval of the amendment by a vote of 9-0; and

WHEREAS, the Planning and Public Works Committee, having considered said request, recommended approval of the amendment by a vote of 3-1; and,

WHEREAS, the City Council, having considered said request, voted to approve the change of zoning request.

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

Section 1. City of Chesterfield Unified Development Code and the Official Zoning District Map, which are part thereof, are hereby amended by establishing a “PC” Planned Commercial District designation for 22.22 acres located north of North Outer 40 Road and east of Boone’s Crossing and as described as follows:

A TRACT OF LAND BEING SITUATED IN FRACTIONAL SECTION 26, TOWNSHIP 45 NORTH, RANGE 4 EAST, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

LOT-A

A TRACT OF LAND BEING PART OF A LARGER TRACT AS CONVEYED TO SUMMIT ICE CENTER INVESTORS, INC BY INSTRUMENT RECORDED IN BOOK 14970, PAGE 648 OF THE ST LOUIS COUNTY RECORDS, LOCATED IN US SURVEY 2031, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE FIFTH PRINCIPAL MERIDIAN, CITY OF CHESTERFIELD, ST LOUIS COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF VALLEY GATES SUBDIVISION, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 356, PAGE 688 SAID POINT ALSO BEING

LOCATED ON THE NORTH RIGHT-OF-WAY LINE OF NORTH OUTER 40 ROAD, VARIABLE WIDTH; SAID POINT ALSO BEING LOCATED ON A CURVE TO THE LEFT HAVING A RADIUS OF 3054.79 FEET; THENCE ALONG SAID RIGHT-OF-WAY LINE THE FOLLOWING COURSES AND DISTANCES: ALONG SAID CURVE WITH AN ARC LENGTH OF 225.28 FEET AND A CHORD WHICH BEARS NORTH 82 DEGREES 36 MINUTES 02 SECONDS WEST, 225.22 FEET TO A POINT OF TANGENCY AND NORTH 84 DEGREES 42 MINUTES 48 SECONDS WEST, 939.39 FEET TO THE POINT OF BEGINNING OF THE HEREIN DESCRIBED TRACT; CONTINUING ALONG SAID RIGHT-OF-WAY LINE, NORTH 84 DEGREES 42 MINUTES 48 SECONDS WEST, 348.57 FEET TO THE SOUTHWEST CORNER OF ABOVE SAID SUMMIT ICE CENTER INVESTORS, INC TRACT; THENCE ALONG THE WEST AND NORTHWESTERN LINES OF SAID SUMMIT ICE CENTER INVESTORS, INC TRACT, THE FOLLOWING COURSES AND DISTANCES: NORTH 01 DEGREES 00 MINUTES 34 SECONDS EAST, 288.84 FEET; NORTH 66 DEGREES 16 MINUTES 29 SECONDS EAST, 42.59 FEET; NORTH 52 DEGREES 19 MINUTES 28 SECONDS EAST, 83.69 FEET; NORTH 42 DEGREES 59 MINUTES 54 SECONDS EAST, 119.08 FEET; NORTH 38 DEGREES 04 MINUTES 43 SECONDS EAST, 130.29 FEET AND NORTH 49 DEGREES 55 MINUTES 27 SECONDS EAST, 115.48 FEET; THENCE DEPARTING SAID NORTHWESTERN LINE; SOUTH 01 DEGREES 09 MINUTES 16 SECONDS WEST, 653.33 FEET TO THE POINT OF BEGINNING, CONTAINING 159,929 SQUARE FEET OR 3.671 ACRES MORE OR LESS.

LOT-B

A TRACT OF LAND BEING PART OF LOTS A AND B VALLEY GATES SUBDIVISION, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 356, PAGE 688 AND PART OF A TRACT OF LAND AS CONVEYED TO SUMMIT ICE CENTER INVESTORS, INC BY INSTRUMENT RECORDED IN BOOK 14970, PAGE 648 BOTH THE ST. LOUIS COUNTY RECORDS, LOCATED IN US SURVEY 2031 , TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE FIFTH PRINCIPAL MERIDIAN, CITY OF CHESTERFIELD, ST LOUIS COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF VALLEY GATES SUBDIVISION, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 356, PAGE 688 SAID POINT ALSO BEING LOCATED ON THE NORTH RIGHT-OF-WAY LINE OF NORTH OUTER 40 ROAD, VARIABLE WIDTH; SAID POINT ALSO BEING LOCATED ON A CURVE TO THE LEFT HAVING A RADIUS OF 3054.79 FEET; THENCE ALONG SAID RIGHT-OF-WAY LINE THE FOLLOWING COURSES AND DISTANCES: ALONG SAID CURVE WITH AN ARC LENGTH OF 225.28 FEET AND A CHORD WHICH BEARS NORTH 82 DEGREES 36 MINUTES 02 SECONDS WEST, 225.22 FEET TO A POINT OF TANGENCY AND NORTH 84 DEGREES 42 MINUTES 48 SECONDS WEST, 326.18 FEET TO THE POINT OF BEGINNING OF THE HEREIN DESCRIBED TRACT THENCE CONTINUING ALONG SAID RIGHT-OF-WAY LINE, NORTH 84 DEGREES 42 MINUTES 48 SECONDS WEST, 613.21 FEET; THENCE DEPARTING SAID RIGHT-OF-WAY LINE,

NORTH 01 DEGREES 09 MINUTES 16 SECONDS EAST, 653.33 FEET TO THE NORTH LINE OF SAID SUMMIT ICE CENTER INVESTORS, INC TRACT; THENCE ALONG THE NORTH LINE OF SAID TRACT AND THE NORTH LINE OF ABOVE SAID VALLEY GATES SUBDIVISION THE FOLLOWING COURSES AND DISTANCES. NORTH 49 DEGREES 55 MINUTES 27 SECONDS EAST, 13.03 FEET; NORTH 84 DEGREES 07 MINUTES 12 SECONDS EAST, 44.91 FEET; SOUTH 87 DEGREES 36 MINUTES 16 SECONDS EAST, 188.72 FEET, SOUTH 87 DEGREES 34 MINUTES 03 SECONDS EAST, 209.17 FEET; NORTH 87 DEGREES 03 MINUTES 41 SECONDS EAST, 352.81 FEET; SOUTH 89 DEGREES 14 MINUTES 33 SECONDS EAST, 277.05 FEET AND SOUTH 79 DEGREES 19 MINUTES 54 SECONDS EAST, 24.29 FEET TO THE NORTHEAST CORNER OF SAID VALLEY GATES SUBDIVISION; THENCE ALONG THE EAST LINE OF SAID SUBDIVISION, SOUTH 02 DEGREES 58 MINUTES 00 SECONDS EAST, 331.93 FEET; THENCE DEPARTING LAST SAID EAST LINE THE FOLLOWING COURSES AND DISTANCES: SOUTH 87 DEGREES 04 MINUTES 12 SECONDS WEST, 96.47 FEET; THENCE SOUTH 60 DEGREES 45 MINUTES 32 SECONDS WEST, 476.07 FEET AND SOUTH 05 DEGREES 12 MINUTES 54 SECONDS WEST, 147.49 FEET TO THE POINT OF BEGINNING, CONTAINING 642,544 SQUARE FEET OR 14.750 ACRES MORE OR LESS.

LOT-C

A TRACT OF LAND BEING PART OF LOTS A AND B VALLEY GATES SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 356, PAGE 688 AND PART OF A TRACT OF LAND AS CONVEYED TO SUMMIT ICE INVESTORS, INC BY INSTRUMENT RECORDED IN BOOK 14970, PAGE 648 BOTH THE ST. LOUIS COUNTY RECORDS, LOCATED IN US SURVEY 2031, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE FIFTH PRINCIPAL MERIDIAN, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF ABOVE SAID VALLEY GATES SUBDIVISION, SAID POINT ALSO BEING LOCATED ON THE NORTH RIGHT-OF-WAY LINE OF NORTH OUTER 40 ROAD, VARIABLE WIDTH: SAID POINT ALSO BEING LOCATED ON A CURVE TO THE LEFT HAVING A RADIUS OF 3054.79 FEET; THENCE ALONG SAID RIGHT-OF-WAY LINE THE FOLLOWING COURSES AND DISTANCES: ALONG SAID CURVE WITH AN ARC LENGTH OF 225.28 FEET AND A CHORD WHICH BEARS NORTH 82 DEGREES 36 MINUTES 02 SECONDS WEST, 225.22 FEET TO A POINT OF TANGENCY AND NORTH 84 DEGREES 42 MINUTES 48 SECONDS WEST, 326.18 FEET; THENCE DEPARTING SAID RIGHT-OF-WAY LINE THE FOLLOWING COURSES AND DISTANCES: NORTH 05 DEGREES 12 MINUTES 54 SECONDS EAST, 147.49 FEET; NORTH 60 DEGREES 45 MINUTES 32 SECONDS EAST, 476.07 FEET AND NORTH 87 DEGREES 04 MINUTES 12 SECONDS EAST, 96.47 FEET TO THE EAST LINE OF ABOVE SAID VALLEY GATES SUBDIVISION; THENCE ALONG SAID EAST LINE, SOUTH 02 DEGREES 58 MINUTES 00 SECONDS EAST, 444.02 FEET TO THE POINT OF BEGINNING, CONTAINING 165,353 SQUARE FEET OR 3.795 ACRES MORE OR LESS.

Section 2. The preliminary approval, pursuant to the City of Chesterfield Unified Development Code is granted, subject to all of the ordinances, rules and regulations and the specific conditions as recommended by the Planning Commission in its recommendation to the City Council, which are set out in the “Attachment A” and the preliminary plan indicated as “Attachment B” which is attached hereto as and made part of.

Section 3. The City Council, pursuant to the petition filed by SkyGroup Investments, LLC in P.Z. 13-2018, requesting the rezoning embodied in this ordinance, and pursuant to the recommendation of the City of Chesterfield Planning Commission that said petition be granted and after a public hearing, held by the Planning Commission on the 14th day of January 2019, does hereby adopt this ordinance pursuant to the power granted to the City of Chesterfield under Chapter 89 of the Revised Statutes of the State of Missouri authorizing the City Council to exercise legislative power pertaining to planning and zoning.

Section 4. This ordinance and the requirements thereof are exempt from the warning and summons for violations as set out in Section 8 of the City of Chesterfield Unified Development Code.

Section 5. This ordinance shall be in full force and effect from and after its passage and approval.

Passed and approved this _____ day of _____, 2019.

PRESIDING OFFICER

Bob Nation, MAYOR

ATTEST:

Vickie Hass, CITY CLERK

FIRST READING HELD: 02/20/2019

ATTACHMENT A

All provisions of the City of Chesterfield City Code shall apply to this development except as specifically modified herein.

I. SPECIFIC CRITERIA

A. PERMITTED USES

1. The uses allowed in this “PC” Planned Commercial District shall be:

- a. Administrative Offices for Educational or Religious Institutions
- b. Church and other Places of Worship
- c. Community Center
- d. Art Gallery
- e. Art Studio
- f. Banquet Facility
- g. Gymnasium
- h. Recreation Facility
- i. Office, Dental
- j. Office, General
- k. Office, Medical
- l. Bakery
- m. Bar
- n. Bowling Center
- o. Brewpub
- p. Coffee Shop
- q. Grocery, Community
- r. Grocery, Neighborhood
- s. Grocery, Supercenter
- t. Restaurant, Sit Down
- u. Restaurant, Fast Food
- v. Restaurant, Take Out
- w. Retail Sales Establishment, Community
- x. Retail Sales Establishment, Regional

- y. Tackle and Bait Shop
 - z. Barber or Beauty Shop
 - aa. Commercial Service Facility
 - bb. Drug Store and Pharmacy
 - cc. Dry Cleaning Establishment
 - dd. Financial Institution, no drive-thru
 - ee. Hotel and Motel
 - ff. Hotel and Motel, Extended Stay
 - gg. Professional and Technical Service Facility
 - hh. Research Laboratory and Facility
 - ii. Theatre, Indoor
2. Hours of Operation.
- a. Uses “q”, “r”, “s”, “w”, “x”, “y”, and “bb”, above shall be restricted to hours of operation open to the public from 6:00 AM to 12:00 AM. Hours of operation for said use may be expanded for Thanksgiving Day and the day after Thanksgiving upon review and approval of a Special Activities Permit, signed by the property owner and submitted to the City of Chesterfield at least seven (7) business days in advance of said holiday.
 - b. All deliveries and trash pick-ups shall be limited to the hours from 7:00 AM to 11:00 PM.

B. FLOOR AREA, HEIGHT, BUILDING AND PARKING STRUCTURE REQUIREMENTS

1. Floor Area
- a. The total building floor area within this development shall not exceed 200,000 square feet.
2. Height
- a. The maximum height including parapets and other similar features, rooftop equipment, and lighting structures of all buildings on Lots A, B, and C1 shall not exceed sixty (60) feet.
 - b. The maximum height including parapets and other similar features, rooftop equipment, and lighting structures of all buildings on Lot C2 shall not exceed sixty-five (65) feet.

- c. The maximum height of poles and nets for the driving range in conjunction with above use “h” Recreation Facility shall not exceed one hundred and seventy (170) feet.

3. Building Requirements

- a. A minimum of thirty-five percent (35%) open space is required for each lot within this development.
- b. This development shall have a maximum F.A.R. of 0.55.

C. SETBACKS

1. Structure Setbacks

No building or structure, other than: a freestanding project identification sign, light standards, or flag poles will be located within the following setbacks:

- a. Seventy-five (75) feet from the southern boundary of the “PC” District.
- b. Five (5) feet from the eastern and western boundaries of the “PC” District.
- c. Thirty (30) feet from the northern boundary of the “PC” District.

2. Parking Setbacks

No parking stall, loading space, internal driveway, or roadway, except points of ingress or egress, will be located within the following setbacks:

- a. Thirty (30) feet from the southern boundary of the “PC” District.
- b. Zero (0) feet from the eastern and western boundaries of the “PC” District.
- c. Thirty (30) feet from the northern boundary of the “PC” District.

D. PARKING AND LOADING REQUIREMENTS

- 1. Parking and loading spaces for this development will be as required in the City of Chesterfield Code.
- 2. No construction related parking shall be permitted within right of way or on any existing roadways. All construction related parking shall be confined to the development.

3. Provide adequate temporary off-street parking for construction employees. Parking on non-surfaced areas shall be prohibited in order to eliminate the condition whereby mud from construction and employee vehicles is tracked onto the pavement causing hazardous roadway and driving conditions.
4. Parking lots shall not be used as streets.

E. LANDSCAPE AND TREE REQUIREMENTS

1. The development shall adhere to the Landscape and Tree Preservation Requirements of the City of Chesterfield Code.

F. SIGN REQUIREMENTS

1. Signs shall be permitted in accordance with the regulations of the City of Chesterfield Code or a Sign Package may be submitted for the planned district. Sign Packages shall adhere to the City Code and are reviewed and approved by the City of Chesterfield Planning Commission.
2. Installation of a Landscaping and Ornamental Entrance Monument or Identification Signage construction, if proposed, shall be reviewed by the City of Chesterfield, and/or the St. Louis County Department of Highways and Traffic (or MoDOT), for sight distance considerations and approved prior to installation or construction.

G. LIGHT REQUIREMENTS

1. Provide a lighting plan and cut sheet in accordance with the City of Chesterfield Code.

H. ARCHITECTURAL

1. The development shall adhere to the Architectural Review Standards of the City of Chesterfield Code.
2. Trash enclosures: All exterior trash areas will be enclosed with a minimum six (6) foot high sight-proof enclosure complemented by adequate landscaping. The location, material, and elevation of any trash enclosures will be as approved by the City of Chesterfield on the Site Development Plan.

I. ACCESS/ACCESS MANAGEMENT

1. Access to Lot A shall be as shown on the Preliminary Plan attached hereto as Attachment B.
2. No direct access to Lot A from North Outer 40 Road shall be permitted.
3. Access to Lot B shall be as shown on the Preliminary Plan attached hereto as Attachment B.
4. Lot C1 shall be permitted one access point from North Outer 40 Road as shown on the Preliminary Plan attached hereto as Attachment B and as directed by the City of Chesterfield and St. Louis County Department of Transportation.
5. No direct access to Lot C2 from North Outer 40 Road shall be permitted.
6. Adequate sight distance shall be provided as directed by the City of Chesterfield and St. Louis County Department of Transportation, as applicable.
7. Provide public access easements through Lot B of the development as needed such that access is provided from North Outer 40 Road to the adjoining property to the north for trail access. The easement shall be dedicated to the City of Chesterfield for public use. The conveyance or dedication of these easements will be a condition of Site Improvement Plan approval. The location, dimensions, and form of the conveyance or dedication shall be mutually agreed upon by the developer and the City of Chesterfield, and any such conveyance or dedication shall be subject to existing easements, if any.
8. If adequate sight distance cannot be provided at the access location(s), acquisition of right-of-way, reconstruction of pavement including correction to the vertical alignment and other off-site improvements may be required to provide the required sight distance as required by the City of Chesterfield and the St. Louis County Department of Transportation.
9. Cross access shall be provided to serve the development as shown on the Preliminary Plan attached hereto as Attachment B and as directed by the City of Chesterfield and St. Louis County Department of Transportation.

J. PUBLIC/PRIVATE ROAD IMPROVEMENTS, INCLUDING PEDESTRIAN CIRCULATION

1. Construct improvements as required by St. Louis County Department of Transportation and the City of Chesterfield, as directed by the City.
2. Additional right-of-way and road improvements shall be provided, as required by the St. Louis County Department of Transportation and the City of Chesterfield.
3. Prior to Special Use Permit issuance by the St. Louis County Department of Transportation, a special cash escrow or a special cash escrow supported by an Irrevocable Letter of Credit, must be established with the St. Louis County Department of Transportation to guarantee completion of the required roadway improvements.
4. The developer is advised that utility companies will require compensation for relocation of their facilities within public road right-of-way. Utility relocation cost shall not be considered as an allowable credit against the petitioner's traffic generation assessment contributions. The developer should also be aware of extensive delays in utility company relocation and adjustments. Such delays will not constitute a cause to allow occupancy prior to completion of road improvements.
5. Any request to install a gate at the entrance to this development must be approved by the City of Chesterfield and the St. Louis County Department of Highways and Traffic. No gate installation will be permitted on public right-of-way.
6. If a gate is installed on a street in this development, the streets within the development, or that portion of the development that is gated, shall be private and remain private forever.
7. Provide street/driveway connections to the adjoining properties as directed by the City of Chesterfield and as shown on the Preliminary Plan. Stub street signage, in conformance with Article 04-09 of the Unified Development Code of the City of Chesterfield, shall be posted within 30 days of the street pavement being placed.

K. TRAFFIC STUDY

1. Provide a traffic study as directed by the City of Chesterfield and/or the St. Louis County Department of Transportation. The scope of the study shall include internal and external circulation and may be limited to site specific impacts, such as the need for additional lanes, entrance configuration, geometrics, sight distance, traffic signal modifications or

other improvements required, as long as the density of the proposed development falls within the parameters of the City's traffic model. Should the density be other than the density assumed in the model, regional issues shall be addressed as directed by the City of Chesterfield.

2. Provide a sight distance evaluation report, as required by the City of Chesterfield, for the proposed entrance onto North Outer 40 Road. If adequate sight distance cannot be provided at the access location, acquisition of right-of-way, reconstruction of pavement, including correction to the vertical alignment, and/or other off-site improvements shall be required, as directed by the City of Chesterfield and/or the St. Louis County Department of Transportation.

L. POWER OF REVIEW

Either Councilmember of the Ward where a development is proposed, the Mayor, or any two (2) City Council members from any Ward may request that the plan for a development be reviewed and approved by the entire City Council. This request must be made no later than seventy-two (72) hours after Planning Commission review. The City Council will then take appropriate action relative to the proposal. The plan for a development, for purposes of this section, may include the site development plan, site development section plan, site development concept plan, landscape plan, lighting plans, architectural elevations, sign package or any amendment thereto.

M. STORM WATER

1. The site shall provide for the positive drainage of storm water and it shall be discharged at an adequate natural discharge point or an adequate piped system.
2. Formal MSD review and approval and permits are required prior to construction.
3. Emergency overflow drainage ways to accommodate runoff from the 100-year storm event shall be provided for all storm sewers, as directed by the City of Chesterfield.
4. Offsite storm water shall be picked up and piped to an adequate natural discharge point. Such bypass systems must be adequately designed.
5. The lowest opening of all structures shall be set at least two (2) feet higher than the one hundred (100) year high water elevation in detention/retention facilities. All structures shall be set at least 30 feet horizontally from the limits of the one hundred (100) year high water.

6. The developer shall be responsible for construction of any required storm water improvements per the Chesterfield Valley Master Storm Water Plan, as applicable, and shall coordinate with the owners of the properties affected by construction of the required improvements. In the event that the ultimate required improvements cannot be constructed concurrently with this development, the developer shall provide interim drainage facilities and establish sufficient escrows as guarantee of future construction of the required improvements, including removal of interim facilities. Interim facilities shall be sized to handle runoff from the 100-year, 24-hour storm event as produced by the Master Storm Water Plan model. The interim facilities shall provide positive drainage and may include a temporary pump station, if necessary. Interim facilities shall be removed promptly after the permanent storm water improvements are constructed.
7. The developer may elect to propose alternate geometry, size and/or type of storm water improvements that are functionally equivalent to the required improvements per the Chesterfield Valley Master Storm Water Plan. Functional equivalence is said to be achieved when, as determined by the Public Works Director, the alternate proposal provides the same hydraulic function, connectivity, and system-wide benefits without adversely affecting any of the following: water surface profiles at any location outside the development; future capital expenditures; maintenance obligations; equipment needs; frequency of maintenance; and probability of malfunction. The City will consider, but is not obligated to accept, the developer's alternate plans. If the Public Works Director determines that the developer's proposal may be functionally equivalent to the Chesterfield Valley Master Storm Water Plan improvements, hydraulic routing calculations will be performed to make a final determination of functional equivalence. The Director will consider the developer's proposal, but is not obligated to have the hydraulic analysis performed if any of the other criteria regarding functional equivalence will not be met. The hydraulic routing calculations regarding functional equivalence may be performed by a consultant retained by the City of Chesterfield. The developer shall be responsible for all costs related to consideration of an alternate proposal, which shall include any costs related to work performed by the consultant.
8. The developer shall provide all necessary Chesterfield Valley Storm Water Easements to accommodate future construction of the Chesterfield Valley Master Storm Water Plan improvements, and depict any and all Chesterfield Valley Master Storm Water Plan improvements on the Site Development Plan(s) and Improvement Plans. Maintenance of the required storm water improvements shall be the responsibility of the property owner unless otherwise noted.

9. All Chesterfield Valley Master Storm Water Plan improvements, as applicable, shall be operational prior to the paving of any driveways or parking areas unless otherwise approved.
10. Post Construction Best Management Practices (BMPs) will be required to treat the extents of the project's disturbed area. Additional BMPs may need to be integrated throughout the site in order to demonstrate this as detailed plans are developed. BMPs with a runoff volume reduction component shall be the emphasis of the site's water quality strategy.
11. Approval from the Monarch Chesterfield Levee District and the City of Chesterfield with regards to the project's compliance with the Chesterfield Valley master drainage plan will be required prior to MSD approval of final plans.
12. The Chesterfield Outlets Pump Station was planned to serve the subject property and the adjacent property to the east.
 - a. The proposed sanitary sewer shall be public and located within a minimum 10' wide easement granted to MSD. The easement corridor shall extend to the eastern property line.
 - b. The easement and the horizontal and vertical design location of the new sanitary sewer shall maximize accessibility to the Chesterfield Outlets Pump Station via gravity sewers.
 - c. The anticipated flows generated by the Top Golf development will need to be determined and compared to the current capacity of the Chesterfield Outlets Pump Station. Improvements to the pump station and its effluent main may be necessary if the Top Golf development would generate flows in excess of the pump station's current storage and pumping capacities.
13. Detention/retention and channel protection measures are to be provided in each watershed as required by the City of Chesterfield. The storm water management facilities shall be operational prior to paving of any driveways or parking areas in non-residential development or issuance of building permits exceeding sixty percent (60%) of approved dwelling units in each plat, watershed or phase of residential developments. The location and types of storm water management facilities shall be identified on the Site Development Plan(s).

N. SANITARY SEWER

1. Sanitary sewers shall be as approved by the City of Chesterfield and the Metropolitan St. Louis Sewer District.

O. GEOTECHNICAL REPORT

1. Prior to Site Development Plan approval, provide a geotechnical report, prepared by a registered professional engineer licensed to practice in the State of Missouri, as directed by the Department of Public Services. The report shall verify the suitability of grading and proposed improvements with soil and geologic conditions and address the existence of any potential sinkhole, ponds, dams, septic fields, etc., and recommendations for treatment. A statement of compliance, signed and sealed by the geotechnical engineer preparing the report, shall be included on all Site Development Plans and Improvement Plans.

P. MISCELLANEOUS

1. All utilities will be installed underground.
2. Prior to record plat approval, the developer shall cause, at his expense and prior to the recording of any plat, the reestablishment, restoration or appropriate witnessing of all Corners of the United States Public Land Survey located within, or which define or lie upon, the out boundaries of the subject tract in accordance with the Missouri Minimum Standards relating to the preservation and maintenance of the United States Public Land Survey Corners, as necessary.
3. Prior to final release of subdivision construction deposits, the developer shall provide certification by a registered land surveyor that all monumentation depicted on the record plat has been installed and United States Public Land Survey Corners have not been disturbed during construction activities or that they have been reestablished and the appropriate documents filed with the Missouri Department of Natural Resources Land Survey Program, as necessary.
4. If any development in, or alteration of, the floodplain or supplemental protection area is proposed, the developer may be required to submit a Floodplain Study and/or a Floodplain Development Permit/Application to the City of Chesterfield for approval. The Floodplain Study must be approved by the City of Chesterfield prior to the approval of the Site Development Plan, as directed. The Floodplain Development Permit must be approved prior to the approval of a grading permit or improvement plans. If any change in the location of the Special Flood Hazard Area is proposed, the Developer shall be required to obtain a Letter of Map Revision (LOMR) from the Federal Emergency

- Management Agency. The LOMR must be issued by FEMA prior to the final release of any escrow held by the City of Chesterfield for improvements in the development. Elevation Certificates will be required for any structures within the Special Flood Hazard Area or the Supplemental Protection Area. Consult Article 5 of the Unified Development Code for specific requirements.
5. An opportunity for recycling will be provided. All provisions of Chapter 25, Article VII, and Section 25-122 thru Section 25-126 of the City Code shall be required where applicable.
 6. Road improvements and right-of-way dedication shall be completed prior to the issuance of an occupancy permit. If development phasing is anticipated, the developer shall complete road improvements, right-of-way dedication, and access requirements for each phase of development as directed by the City of Chesterfield and Saint Louis County Department of Highways and Traffic. Delays due to utility relocation and adjustments will not constitute a cause to allow occupancy prior to completion of road improvements.

II. TIME PERIOD FOR SUBMITTAL OF SITE DEVELOPMENT CONCEPT PLANS AND SITE DEVELOPMENT PLANS

- A.** The developer shall submit a concept plan within eighteen (18) months of City Council approval of the change of zoning.
- B.** In lieu of submitting a Site Development Concept Plan and Site Development Section Plans, the petitioner may submit a Site Development Plan for the entire development within eighteen (18) months of the date of approval of the change of zoning by the City.
- C.** Failure to comply with these submittal requirements will result in the expiration of the change of zoning and will require a new public hearing.
- D.** Said Plan shall be submitted in accordance with the combined requirements for Site Development Section and Concept Plans. The submission of Amended Site Development Plans by sections of this project to the Planning Commission shall be permitted if this option is utilized.
- E.** Where due cause is shown by the developer, the City Council may extend the period to submit a Site Development Concept Plan or Site Development Plan for eighteen (18) months.

III. COMMENCEMENT OF CONSTRUCTION

- A.** Substantial construction shall commence within two (2) years of approval of the Site Development Concept Plan or Site Development Plan, unless otherwise authorized by ordinance.
- B.** Where due cause is shown by the developer, the City Council may extend the period to commence construction for two (2) additional years.

IV. GENERAL CRITERIA

A. SITE DEVELOPMENT CONCEPT PLAN

1. Any Site Development Concept Plan shall show all information required on a preliminary plat as required in the City of Chesterfield Code.
2. Include a Conceptual Landscape Plan in accordance with the City of Chesterfield Unified Development Code to indicate proposed landscaping along arterial and collector roadways.
3. Include a Lighting Plan in accordance with the City of Chesterfield Unified Development Code to indicate proposed lighting along arterial collector roadways.
4. Provide comments/approvals from the appropriate Fire District, the Metropolitan St. Louis Sewer District, the St. Louis County Department of Highways and Traffic, Monarch Chesterfield Levee District, Spirit of St. Louis Airport and the Missouri Department of Transportation.
5. Compliance with the current Metropolitan Sewer District Site Guidance as adopted by the City of Chesterfield.

B. SITE DEVELOPMENT SECTION PLAN SUBMITTAL REQUIREMENTS

The Site Development Section Plan shall adhere to the above criteria and to the following:

1. Location map, north arrow, and plan scale. The scale shall be no greater than one (1) inch equals one hundred (100) feet.
2. Parking calculations. Including calculation for all off street parking spaces, required and proposed, and the number, size and location for handicap designed.
3. Provide open space percentage for overall development including separate percentage for each lot on the plan.
4. Provide Floor Area Ratio (F.A.R.).

5. A note indicating all utilities will be installed underground.
6. A note indicating signage approval is separate process.
7. Depict the location of all buildings, size, including height and distance from adjacent property lines and proposed use.
8. Specific structure and parking setbacks along all roadways and property lines.
9. Indicate location of all existing and proposed freestanding monument signs.
10. Zoning district lines, subdivision name, lot number, lot dimensions, lot area, and zoning of adjacent parcels where different than site.
11. Floodplain boundaries.
12. Depict existing and proposed improvements within one hundred fifty (150) feet of the site as directed. Improvements include, but are not limited to, roadways, driveways and walkways adjacent to and across the street from the site, significant natural features, such as wooded areas and rock formations, and other karst features that are to remain or be removed.
13. Depict all existing and proposed easements and rights-of-way within one hundred fifty (150) feet of the site and all existing or proposed off-site easements and rights-of-way required for proposed improvements.
14. Indicate the location of the proposed storm sewers, detention basins, sanitary sewers and connection(s) to the existing systems.
15. Depict existing and proposed contours at intervals of not more than one (1) foot, and extending one hundred fifty (150) feet beyond the limits of the site as directed.
16. Address trees and landscaping in accordance with the City of Chesterfield Unified Development Code.
17. Comply with all preliminary plat requirements of the City of Chesterfield Unified Development Code.
18. Signed and sealed in conformance with the State of Missouri Department of Economic Development, Division of Professional Registration, Missouri Board for Architects, Professional Engineers and Land Surveyors requirements.

19. Provide comments/approvals from the appropriate Fire District, the Metropolitan St. Louis Sewer District, Monarch Levee District, Spirit of St. Louis Airport, St. Louis Department of Highways and Traffic, and the Missouri Department of Transportation.
20. Compliance with Sky Exposure Plane.
21. Compliance with the current Metropolitan Sewer District Site Guidance as adopted by the City of Chesterfield.

C. SITE DEVELOPMENT PLAN SUBMITTAL REQUIREMENTS

The Site Development Plan shall include, but not be limited to, the following:

1. Location map, north arrow, and plan scale. The scale shall be no greater than one (1) inch equals one hundred (100) feet.
2. Outboundary plat and legal description of property.
3. Density calculations.
4. Parking calculations. Including calculation for all off street parking spaces, required and proposed, and the number, size and location for handicap designed.
5. Provide openspace percentage for overall development including separate percentage for each lot on the plan.
6. Provide Floor Area Ratio (F.A.R.).
7. A note indicating all utilities will be installed underground.
8. A note indicating signage approval is separate process.
9. Depict the location of all buildings, size, including height and distance from adjacent property lines, and proposed use.
10. Specific structure and parking setbacks along all roadways and property lines.
11. Indicate location of all existing and proposed freestanding monument signs.
12. Zoning district lines, subdivision name, lot number, dimensions, and area, and zoning of adjacent parcels where different than site.
13. Floodplain boundaries.

14. Depict existing and proposed improvements within 150 feet of the site as directed. Improvements include, but are not limited to, roadways, driveways and walkways adjacent to and across the street from the site, significant natural features, such as wooded areas and rock formations, and other karst features that are to remain or be removed.
15. Depict all existing and proposed easements and rights-of-way within 150 feet of the site and all existing or proposed off-site easements and rights-of-way required for proposed improvements.
16. Indicate the location of the proposed storm sewers, detention basins, sanitary sewers and connection(s) to the existing systems.
17. Depict existing and proposed contours at intervals of not more than one (1) foot, and extending 150 feet beyond the limits of the site as directed.
18. Address trees and landscaping in accordance with the City of Chesterfield Code.
19. Comply with all preliminary plat requirements of the City of Chesterfield Subdivision Regulations per the City of Chesterfield Code.
20. Signed and sealed in conformance with the State of Missouri Department of Economic Development, Division of Professional Registration, Missouri Board for Architects, Professional Engineers and Land Surveyors requirements.
21. Provide comments/approvals from the appropriate Fire District, Monarch Levee District, Spirit of St. Louis Airport, Metropolitan St. Louis Sewer District (MSD) and the Missouri Department of Transportation.
22. Compliance with Sky Exposure Plane.
23. Compliance with the current Metropolitan Sewer District Site Guidance as adopted by the City of Chesterfield.

V. TRUST FUND CONTRIBUTION

Traffic Generation Assessment Rates

The amount of all required contributions for roadway, storm water and primary water line improvements, if not submitted by January 1, 2020, shall be adjusted on that date and on the first day of January in each succeeding year thereafter in accordance with the construction cost index as determined by the Saint Louis County Department of Transportation.

A. ROADS

1. The developer shall be required to contribute a Traffic Generation Assessment (TGA) to the Chesterfield Valley Trust Fund (No. 556). This contribution shall not exceed an amount established by multiplying the required parking spaces by the following rate schedule:

<u>Type of Development</u>	<u>Required Contribution</u>
General Retail	\$2,319.85/parking space
General Office	\$773.24/parking space
Loading Space	\$3,796.14/parking space

(Parking Space as required by the site-specific ordinance.)

If types of development proposed differ from those listed, rates shall be provided by the St. Louis County Department of Transportation.

If a portion of the improvements required herein are needed to provide for the safety of the traveling public, their completion as a part of this development is mandatory.

Allowable credits for required roadway improvements will be awarded as directed by the St. Louis County Department of Transportation and the City of Chesterfield. Sidewalk construction and utility relocation, among other items, are not considered allowable credits.

2. As this development is located within a trust fund area established by St. Louis County, any portion of the traffic generation assessment contribution which remains following completion of road improvements required by the development shall be retained in the appropriate trust fund.
3. Road Improvement Traffic Generation Assessment contributions shall be deposited with Saint Louis County Department of Transportation. The deposit shall be made prior to the issuance of a Special Use Permit (S.U.P.) by Saint Louis County Department of Transportation or prior to the issuance of building permits in the case where no Special Use Permit is required. If development phasing is anticipated, the developer shall provide the Traffic Generation Assessment contribution prior to the issuance of building permits for each phase of development. Funds shall be payable to Treasurer, Saint Louis County.

B. WATER MAIN

The primary water line contribution is based on gross acreage of the development land area. The contribution shall be a sum of \$915.62 per acre for the total area as approved on the Site Development Plan to be used solely to help defray the cost of constructing the primary water line serving the Chesterfield Valley area.

The primary water line contribution shall be deposited with the Saint Louis County Department of Transportation. The deposit shall be made before Saint Louis County approval of the Site Development Plan unless otherwise directed by the Saint Louis County Department of Transportation. Funds shall be payable to Treasurer, Saint Louis County.

C. STORM WATER

The storm water contribution is based on gross acreage of the development land area. These funds are necessary to help defray the cost of engineering and construction improvements for the collection and disposal of storm water from the Chesterfield Valley in accordance with the Master Plan on file with and jointly approved by Saint Louis County and the Metropolitan Saint Louis Sewer District. The amount of the storm water contribution will be computed based on \$2,905.08 per acre for the total area as approved on the Site Development Plan.

The storm water contributions to the Trust Fund shall be deposited with the Saint Louis County Department of Transportation. The deposit shall be made prior to the issuance of a Special Use Permit (S.U.P.) by Saint Louis County Department of Transportation or prior to the issuance of building permits in the case where no Special Use Permit is required. Funds shall be payable to Treasurer, Saint Louis County.

D. SANITARY SEWER

The sanitary sewer contribution is collected as the Caulks Creek impact fee.

The sanitary sewer contribution within the Chesterfield Valley area shall be deposited with the Metropolitan Saint Louis Sewer District as required by the District.

VI.RECORDING

Within sixty (60) days of approval of any development plan by the City of Chesterfield, the approved Plan will be recorded with the St. Louis County

Recorder of Deeds. Failure to do so will result in the expiration of approval of said plan and require re-approval of a plan by the Planning Commission.

VII.ENFORCEMENT

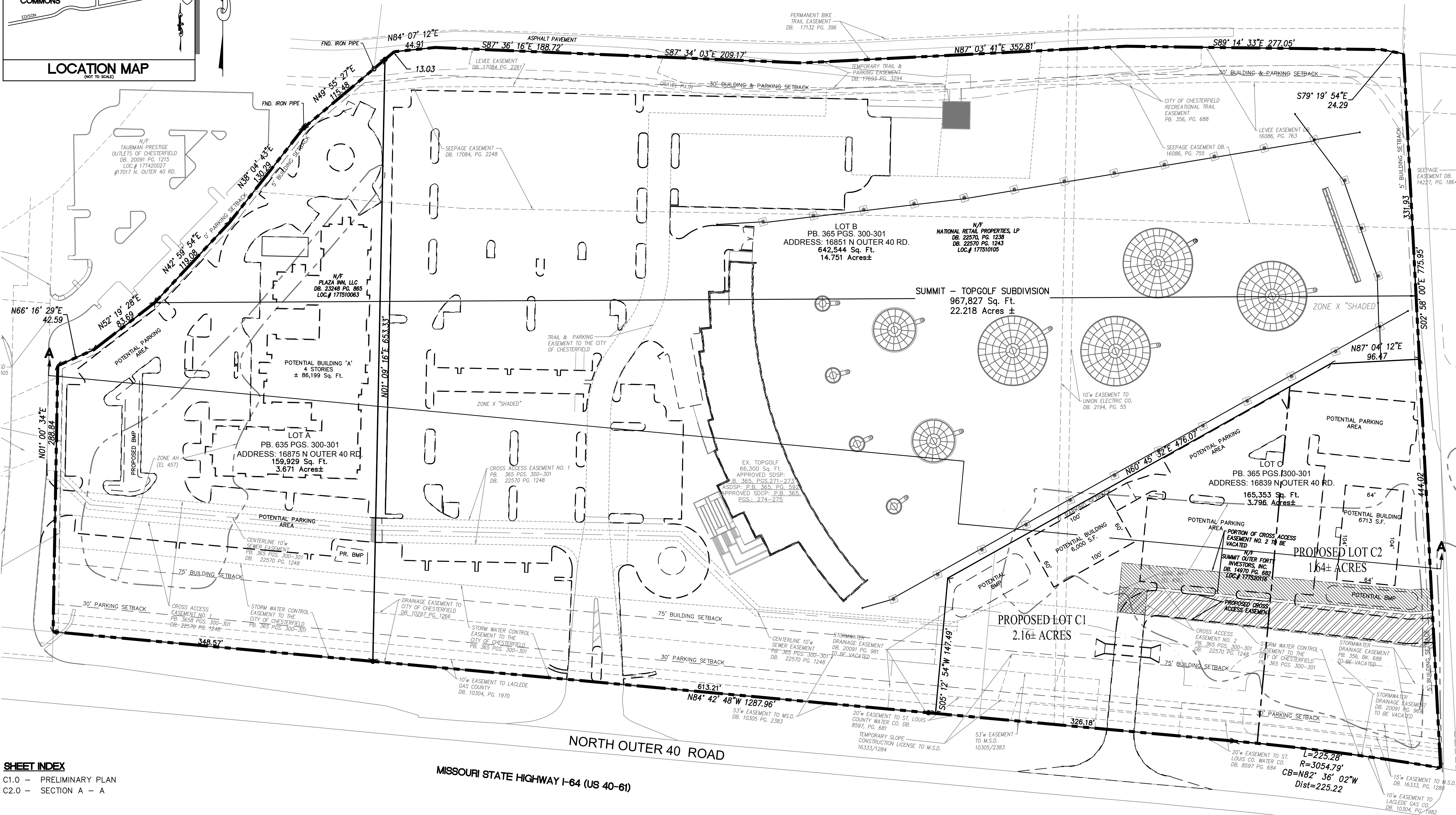
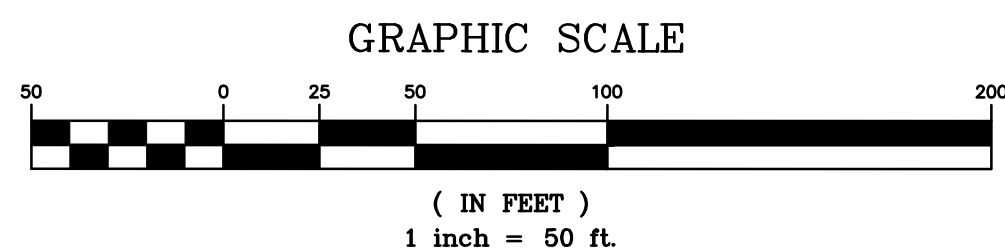
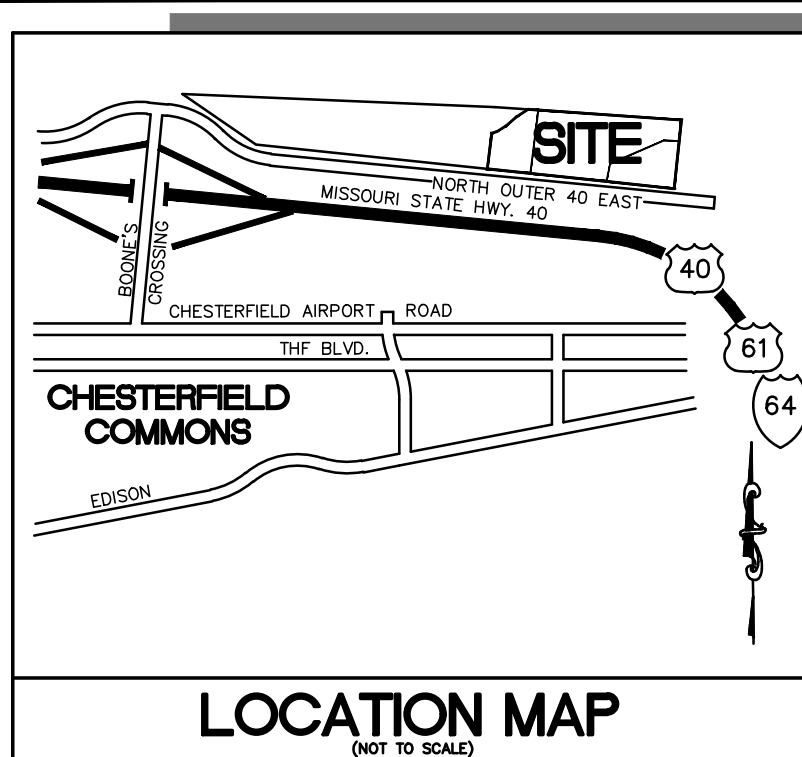
- A.** The City of Chesterfield, Missouri will enforce the conditions of this ordinance in accordance with the Plan approved by the City of Chesterfield and the terms of this Attachment A.
- B.** Failure to comply with any or all the conditions of this ordinance will be adequate cause for revocation of approvals/permits by reviewing Departments and Commissions.
- C.** Non-compliance with the specific requirements and conditions set forth in this Ordinance and its attached conditions or other Ordinances of the City of Chesterfield shall constitute an ordinance violation, subject, but not limited to, the penalty provisions as set forth in the City of Chesterfield Code.
- D.** Waiver of Notice of Violation per the City of Chesterfield Code.
- E.** This document shall be read as a whole and any inconsistency to be integrated to carry out the overall intent of this Attachment A.

CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI
ZONED PLANNED COMMERCIAL DISTRICT "PC"

CITY OF CHESTERFIELD

PLANNED DISTRICT ORDINANCE

ATTACHMENT B



C1.0 - PRELIMINARY PLAN
C2.0 - SECTION A - A

SUMMIT DEVELOPMENT GROUP
ATTN: SCOTT "MURPH" REESE
101 S HANLEY RD, SUITE 1400
CLAYTON, MO 63105
(314) 584-6222

SKYGROUP INVESTMENTS, LLC (a.k.a. iFLY)
ATTN: MARK LEE
6200 BRIDGEPOINT PKWY, BLDG 4, STE. 400
AUSTIN TX, 78730
(512) 674-9200 X 157

A tract of land being part of a larger tract as conveyed to Summit Ice Center Investors, Inc by instrument recorded in Book 14970, Page 648 of the St. Louis County Records, located in US Survey 2031, Township 45 North, Range 4 East of the Fifth Principal Meridian, City of Chesterfield, St Louis County, Missouri, being more particularly described as follows

Commencing at the southeast corner of Valley Gates Subdivision, a subdivision according to the plat thereof as recorded in Plat Book 356, Page 688 said point also being located on the north right-of-way line of North Outer 40 Road, variable width said point also being located on a curve to the left having a radius of 3054.79 feet; thence along said right-of-way line the following courses and distances: along said curve with an arc length of 225.28 feet and a central angle of 10.29 degrees North, 92.33 degrees East to the POINT OF BEGINNING of the herein described tract; thence along said right-of-way line, North 84.92 degrees 42 minutes 43 seconds West, 348.57 feet to the southwest corner of above said lot; thence along Summit Ice Center, Investors, and Owners' Survey, North 29.25 degrees 59 minutes 28 seconds East, 83.69 feet to the northeast corner of said lot; thence along said line, North 01 degrees 00 minutes 34 seconds East, 288.84 feet, North 66 degrees 16 minutes 29 seconds East, 42.59 feet, North 52 degrees 19 minutes 28 seconds East, 83.69 feet, North 42 degrees 59 minutes 54 seconds East, 119.08 feet, North 38 degrees 04 minutes 43 seconds East, 130.29 feet and North 49 degrees 55 minutes 27 seconds East, 119.08 feet to the POINT OF BEGINNING of the herein described tract; thence along said line, North 16 degrees West, 653.33 feet to the POINT OF BEGINNING, containing 159.928 square feet or 3/671 acres more or less.

A tract of land being part of Lots A and B Valley Gates Subdivision, a subdivision according to the plat thereof as recorded in Plat Book 356, Page 688 and part of a tract land as conveyed to Summit Ice Center Investors, Inc by instrument recorded in Book 14970, Page 648 both the St. Louis County Records, located in US Survey 2031, Township 45 North, Range 4 East of the Fifth Principal Meridian, City of Chesterfield, St Louis County, Missouri, being more particularly described as follows:

Commencing at the southeast corner of Valley Gates Subdivision, a subdivision according to the plat thereof as recorded in Plat Book 356, Page 688 said point also being located on the north right-of-way line of North Outer 40 Road, variable width; said point also being located on a curve to the left having a radius of 3054.79 feet; thence along said right-of-way line the following courses and distances: along said curve with an arc length of 228.28 feet, and a chord which bears S 12° 00' 00" E 100.00 feet to the intersection of the centerline of said road with the centerline of the proposed subdivision; thence S 12° 00' 00" E 100.00 feet to the beginning of the herein described tract; thence continuing along said right-of-way line, North 84 degrees 42 minutes 48 seconds West, 613.21 feet, thence departing said right-of-way line, North 01 degree 09 minutes 16 seconds East, 653.33 feet to the north line of said Summit Ice Center Investors, Inc. tract; thence along the north line of said tract and the north line of above said Valley Gates Subdivision the following courses and distances: North 49 degrees 55 minutes 27 seconds East, 100.00 feet to the northeast corner of said tract; thence continuing along said northeast line, North 49 degrees 55 minutes 27 seconds East, 34.00 feet to the northeast corner of said tract; thence continuing along said northeast line, North 87 degrees 03 minutes 41 seconds East, 352.81 feet; South 89 degrees 14 minutes 33 seconds East, 277.05 feet and South 79 degrees 19 minutes 54 seconds East, 24.29 feet to the northeast corner of said valley Gates Subdivision; thence along the east line of said subdivision, South 02 degrees 58 minutes 00 seconds East, 331.93 feet; thence departing said east line the following courses and distances: South 87 degrees 03 minutes 41 seconds East, 100.00 feet to the northeast corner of said tract; thence continuing along said northeast line, South 05 degrees 12 minutes 48 seconds West, 147.49 feet to the Point of Beginning, containing 642.54 square feet or 14.750 acre more or less.

A tract of land being part of Lots A and B Valley Gates Subdivision, a subdivision according to the plat thereof as recorded in Plat Book 356, Page 688 and part of a tract land as conveyed to Summit Ice Center Investors, Inc by instrument recorded in Book 14970, Page 648 both the St. Louis County Records, locate in US Survey 2031, Township 45 North, Range 4 East of the Fifth Principal Meridian, City of Chesterfield, Louis County, Missouri, being more particularly described as follows:

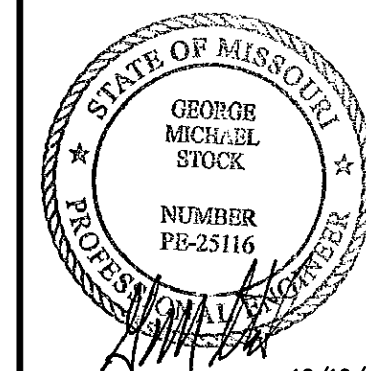
Beginning at the southern corner of above said Valley Gates Subdivision, said point also being located on the north-right-of-way line of North Outer 40 Road, variable width; said point also being located on a curve to the left having a radius of 3054.79 feet; thence along said right-of-way line the following courses and distances: along said curve with an arc length of 225.26 feet and a central angle bears North 82 degrees 05 minutes 36 seconds East, 225.26 feet; thence along said right-of-way line the following courses and distances: West, 32.18 feet; thence departing said right-of-way line the following courses and distances: North 05 degrees 12 minutes 54 seconds East, 147.49 feet; North 60 degrees 45 minutes 32 seconds East, 476.07 feet; North 87 degrees 04 minutes 12 seconds East, 56.47 feet; to the east line of above said Valley Gates Subdivision, thence along said east line the following courses and distances: East, 444.02 feet to the Point of Beginning, containing 165,353 square feet or 3.739 acres, more or less.

PREPARED BY:

PRELIMINARY DEVELOPMENT PLAN FOR

SUMMIT - TOPGOLF SUBDIVISION

CITY OF CHESTERFIELD, MISSOURI 63005



12/10/19
GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

REVISIONS:

1	REV PER CITY MEMO 12/05.
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DRAWN BY:	CHECKED BY:
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DATE:	JOB NO:
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11/12/2018	218-0414
M.S.D. P #:	BASE MAP #:

S.L.C. H&T #:	H&T S.U.P. #
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M.D.N.R. #:	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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PRELIMINARY PLAN

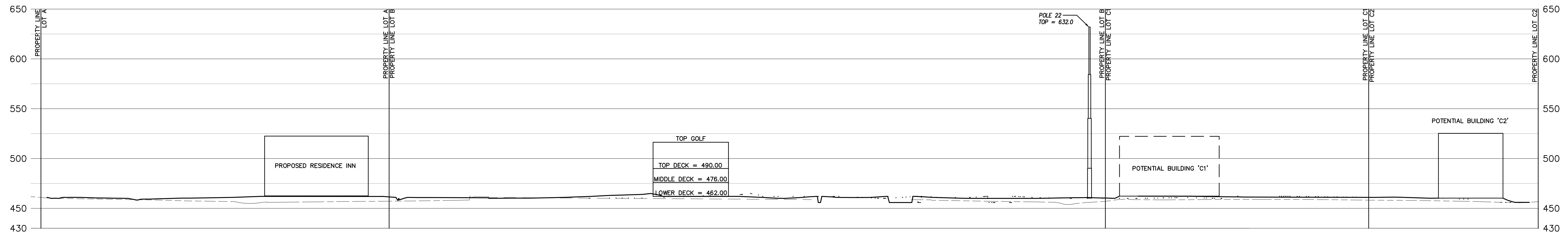
C10

C1.0

PRELIMINARY DEVELOPMENT PLAN

CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI
ZONED PLANNED COMMERCIAL DISTRICT "PC"

SECTION A - A



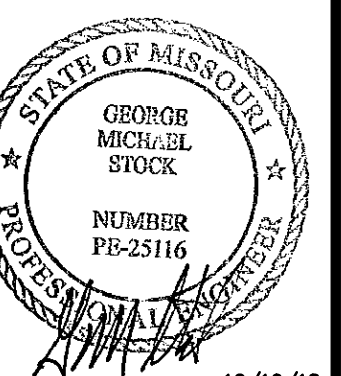
SCALE:
HORIZONTAL = 1" = 50'
VERTICAL = 1" = 50'

1

STOCK & ASSOCIATES
Consulting Engineers, Inc.

THE HISTORY OF THE UNITED STATES

SUMMIT - TOPGOLF SUBDIVISION

[illegible]

GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

VISIONS:

REV PER CITY MEMO 12/05/18

OWN BY: C.A.H.	CHECKED BY: G.M.S.
E: /12/2018	JOB NO: 218-6414
D. P. # —	BASE MAP # 17T
C. H&T # —	H&T S.U.P. # —
N.R. # —	

SECTION A - A

ET NO.: C2.0

Memorandum

Department of Planning & Development Services



To: Michael O. Geisel, City Administrator

From: Justin Wyse, Director of Planning and Development Services

JW

Date: February 20, 2019

RE: **Downtown Chesterfield, (Category C), SDCP:** A Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan for the 22 acre tract of land located north of Wild Horse Creek Road, east of its intersection with Old Chesterfield Road and west of its intersection with Chesterfield Parkway.

Summary

This request depicts a phased development of 5 lots that total 22 acres. The subject site is located in what is known as “Category C” of Downtown Chesterfield. The subject site is zoned “PC&R” Planned Commercial and Residence District and governed under the terms and conditions of City of Chesterfield Ordinance 3023.

A Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan have all been submitted for review and approval in accordance to the governing ordinance.

The project was reviewed by the Planning Commission on January 28, 2019. At that time the Commission recommended approval of the request as submitted by a vote of 9-0.

The project was reviewed by the Planning and Public Works Committee meeting on February 07, 2019. At that time the Committee recommended approval by a vote of 4-0.

Governing ordinance 3023 states that City Council shall have automatic power of review of site plans for the subject development. The City Council will then take appropriate action relative to the proposal.

Attached to this report please find a copy of the Planning Commission Staff Report, Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan.

Attachments: Planning Commission Staff Report
Site Development Concept Plan
Landscape Concept Plan
Signage Concept Plan
Lighting Fixture Concept Plan



Figure 1: Aerial Image of Subject Site



VII.A.

690 Chesterfield Pkwy W • Chesterfield MO 63017-0760
Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

Planning Commission Staff Report

Project Type: Site Development Concept Plan

Meeting Date: January 28, 2019

From: Mike Knight, Planner *mk*

Location: A 22 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road.

Description: **Downtown Chesterfield, (Category C), SDCP:** A Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan for the 22 acre tract of land located north of Wild Horse Creek road, east of its intersection with Old Chesterfield Road and west of its intersection with Chesterfield Parkway.

PROPOSAL SUMMARY

Stock and Associates Consulting Engineers, Inc. has submitted a Site Development Concept Plan for Planning Commission review. This request depicts a phased development of 5 lots that total 22 acres. The subject site is located in what is known as "Category C" of Downtown Chesterfield. The subject site is zoned "PC&R" Planned Commercial and Residence District and governed under the terms and conditions of City of Chesterfield Ordinance 3023. A Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan have all been submitted for review and approval in accordance to the governing ordinance.

HISTORY OF SUBJECT SITE

On March 19th, 2008, the City of Chesterfield City Council approved Ordinance 2449. This ordinance amended the previous governing zoning ordinance of the City of Chesterfield by changing the boundaries of 99 acres of the following: an "R-8" Residence District with a Planned Environmental Unit Procedure, "R-5" Residence District, "FPR-5" Residence District, "R-6A" PEU Residence District with a Planned Environmental Unit Procedure, "C-8" Planned Commercial District, "NU" Non-Urban District and "M-3" Planned Industrial District to one 99 acre "PC&R" Planned Commercial & Residence District known as Downtown Chesterfield.

City of Chesterfield Ordinance 2449 created one PC&R district that defined specific development criteria into three specific categories. The three categories were labeled in Ordinance 2449 as

Category A, Category B, and Category C. They were also defined by location, having specific category standards, and with a specific streetscape.

On February 21st, 2018, the City of Chesterfield approved Ordinance 2990. This ordinance solely amended the legal description of the entire 99 acre PC&R district.

On November 5th, 2018, City Council approved the governing Ordinance 3023. This ordinance amendment had two main objectives. The first was to incorporate and re-zone a 0.4 acre Non-Urban “NU” parcel to the “PC&R” District. **The second was to amend the development criteria of the governing ordinance in which separate Concept Plans would be submitted by defined Category vs. for the entire District.** It essentially allows for 2 phases of development within Downtown Chesterfield. **The Site Development Concept Plan is the 22 acres that make up Category C, which is one of three categories that make up the 99 acres known as Downtown Chesterfield.**



Figure 1: Aerial Image of Subject Site

STAFF ANALYSIS

The subject site is located north of Wild Horse Creek Road (WHCR), east of its intersection with Old Chesterfield Road (OCR) and west of the intersection with Chesterfield Parkway. The subject site is located directly south of Interstate 64. Given that WHCR and I-64 are both classified as major arterials according to the City’s functional classification system, and Chesterfield Parkway and OCR are classified as minor arterials, all facades will be highly visible to a large number of users. The area is designated Urban Core within the City of Chesterfield Comprehensive Land Use Plan and the subject site would be 22 acres of the 99 acre PC&R zoning district known as Downtown Chesterfield.

The governing ordinance is unique in the fact that there are four specific concept plans to be submitted and approved by Planning Commission with automatic Power of Review. These plans include the Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan that are required to be submitted in conjunction with the overall Site Development Concept Plan process. Category C has specific standards outlined in the governing ordinance that reference building placement, building volume, floor heights, façade elements, outdoor space, building function, and a specific exhibit that details a streetscape to which the development should adhere to.

Site Development Concept Plan:

The Subject Site is composed of five total lots (A-E) for the phased development of Category C as seen on Figure 2. All of the lots are currently undeveloped except for a Sachs building that currently resides on Lot D. There is also a Site Development Section Plan submitted for Lot A.

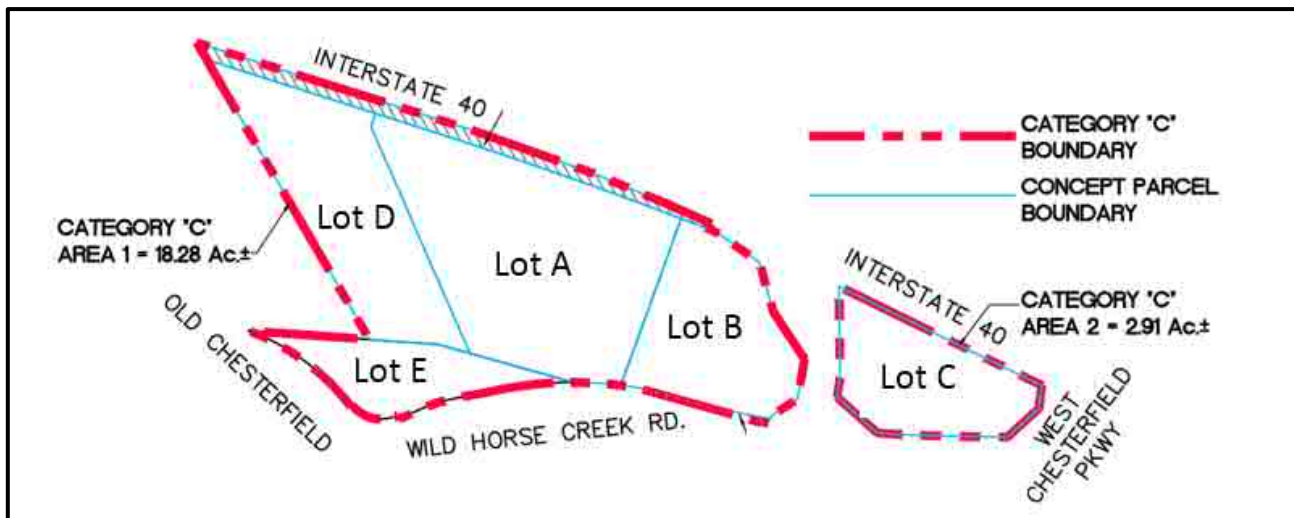


Figure 2: Category C Lot Breakdown

The Concept Plan provides general areas for lot lines, potential roadways, building foot prints, and parking areas. The Site Development Section Plan (Lot A) that is currently submitted within the City of Chesterfield is requesting a modification to utilize the streetscape outlined for Category C along an internal drive vs. WHCR. Staff acknowledges and is supportive of the center drive aisle dictating an urban “Downtown” streetscape vs. the major arterial of WHCR in between Lots A and B. Although Staff is supportive, the SDCP requires the remaining Lots (E and C) that front Wild Horse Creek Road to follow the streetscape designated within the governing ordinance. All lots either conform to the criteria outlined within the governing ordinance or are consistent with the modification request within the Site Development Section Plan. Both the Site Development Concept Plan and Site Development Section Plan for Lot A will be submitted to Planning Commission on January 28th and their approval will be inherently linked through the modification request.

Primary vehicular access for Lots A and B is provided by one access point off of Wild Horse Creek Road. There is a cross access easement provided between both Lots A and B and also with Lots D and E directly to the west. Lots D and E will have one primary access point off of Old Chesterfield

Road at the existing location of the current private drive. Lot C will have one access point off of Wild Horse Creek Road at the existing curb cut between the intersection of Chesterfield Parkway and the I-64 off ramp. The future Concept Plan for Categories A and B will be reviewed with the Concept Plan for cohesiveness.

Pedestrian Circulation is a key component of the Urban Core and was specifically addressed during the Public Hearing for the governing ordinance. The Site Development Concept Plan includes an 8 foot sidewalk within a 12 foot sidewalk easement completely across the frontage of both Wild Horse Creek Road and Old Chesterfield Road. Emphasis will be placed on achieving pedestrian circulation both internally within Category C and externally between adjacent sites upon each time a Site Development Section Plan is submitted.

Landscape Concept Plan:

The Landscape Concept Plan outlines areas for street trees along the minor arterial roadway Old Chesterfield Road, and major arterial roadway Wild Horse Creek Road. Adequate spacing was created for the future street lights along both roadways. Given a modification request is to create a streetscape along the center drive aisle within the development, street trees have been placed along the center drive with the appropriate spacing. There are five existing monarch trees located on the site. They are all White Oaks and reside on the north end of Lot D behind the existing building.

Lighting Fixture Concept Plan:

The applicant has submitted the required Lighting Fixture Concept Plan. The primary purpose of the Lighting Fixture Concept Plan is to establish a cohesive appearance in regards to lighting within Category C of Downtown Chesterfield. Below are the fixtures chosen by the applicant to be utilized consistently through Category C. These fixtures consist of a bollard (A.), pedestrian scale lighting (B.), and parking (C.) and can all be seen in Figure 3 below with the associated cut sheets located within the attached Site Development Concept Plan Packet.

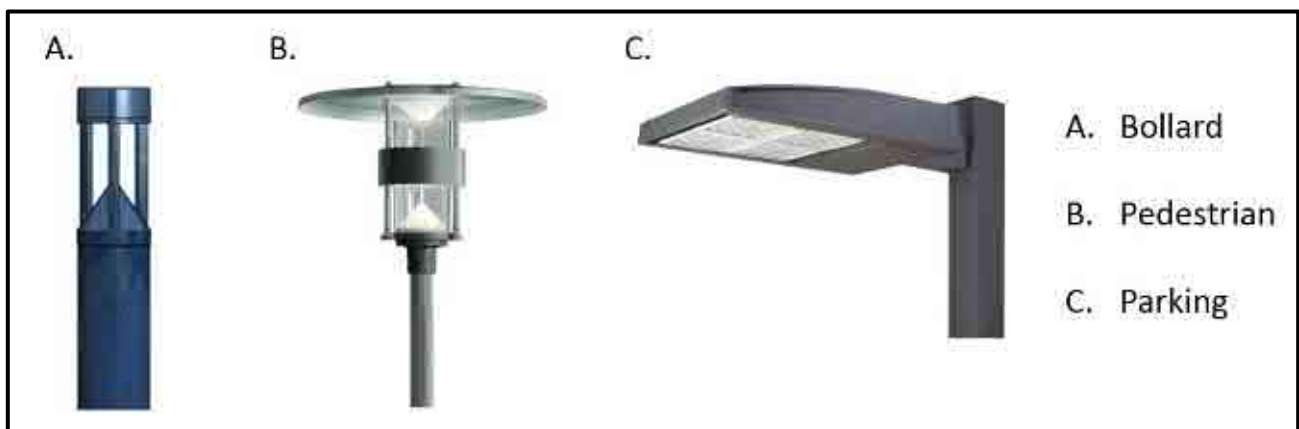


Figure 3: Lighting Fixture Concept

Signage Concept Plan:

The applicant submitted the required Signage Concept Plan. The primary purpose of the Signage Concept Plan is to establish a cohesive appearance in regards to signage within Category C of

Downtown Chesterfield. This conceptual document will then be utilized when each Site Development Section Plan is submitted (including Lot A) to assure that each Section substantially conforms to the Concept Plans. The governing ordinance states sign packages shall be required for each Site Development Section Plan in this development and approved by the City of Chesterfield Planning Commission. The individual sign packages must be consistent with the Signage Concept Plan.

The applicant supplied a narrative statement along with defined criteria for both building and site signage. In regards to the site signage, the applicant defines specific criteria in regards to the background or cabinet, the message/graphic, the landscaping, and illumination source. In regards to the building signage, the applicant defines specific criteria in regards to the raceway, the letter return, and the illumination source. The plan attached to this packet also contains two examples for both the site and building signage to further describe criteria set forth in the Concept Plan.

DEPARTMENTAL INPUT

Staff has reviewed the submittal and has found the application to be in conformance with the City of Chesterfield Unified Development Code and Ordinance 3023. Staff recommends approval of the Site Development Concept Plan for the Downtown Chesterfield (Category C) development.

MOTION

The following options are provided to the Planning Commission for consideration relative to this application:

- 1) "I move to approve (or deny) the Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan for the Downtown Chesterfield (Category C) development."
- 2) "I move to approve the Site Development Concept Plan, Landscape Concept Plan, Signage Concept Plan, and Lighting Fixture Concept Plan for the Downtown Chesterfield (Category C) development with the following conditions..." (Conditions may be added, eliminated, altered or modified)

Attachments: Site Development Concept Plan
 Landscape Concept Plan
 Lighting Fixture Concept Plan
 Signage Concept Plan

SITE DEVELOPMENT CONCEPT PLAN - DOWNTOWN CHESTERFIELD

CATEGORY "C" NORTH OF WILDHORSE CREEK ROAD

PART OF U.S. SURVEYS 123 AND 2031 TOWNSHIP 45 NORTH, RANGE 4 EAST
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI
ZONED: PLANNED COMMERCIAL + RESIDENCE DISTRICT "PC+R" PER ORD. NO. 63023

GRAPHIC SCALE

(IN FEET)

1 inch = 60 ft.

AREA 1 & AREA 2
OWNER: CHESTERFIELD VILLAGE INC.
LOT AREA: 21.191 Acres ±
EXISTING ZONING: "PC & R" PLANNED COMMERCIAL & RESIDENTIAL (ORD. #3023)
SITE ADDRESS: 16439, 16461, 16491, 16493, 16495, 16503, 16511 WILD HORSE CREEK
CHESTERFIELD, MISSOURI 63005 & 63017
LOCATOR NO: 185430259, 185430248, 187640095, 187640204, 187640215, 187640303,
187640314, 187640325
WUNNERNBERG'S: PG. 21, GRID 18EE & 19 EE
FIRE DISTRICT: MONARCH FIRE PROTECTION DISTRICT
SCHOOL DISTRICT: PARKWAY
SEWER DISTRICT: METROPOLITAN ST. LOUIS SEWER DIST.
WATER SHED: MISSOURI RIVER
FEMA MAP: 2018000165K, FEB 4, 2015
ELECTRIC COMPANY: AMEREN UE
GAS COMPANY: SPIRE INC
PHONE COMPANY: AT&T
WATER COMPANY: MISSOURI AMERICAN WATER COMPANY

PERTINENT DATA

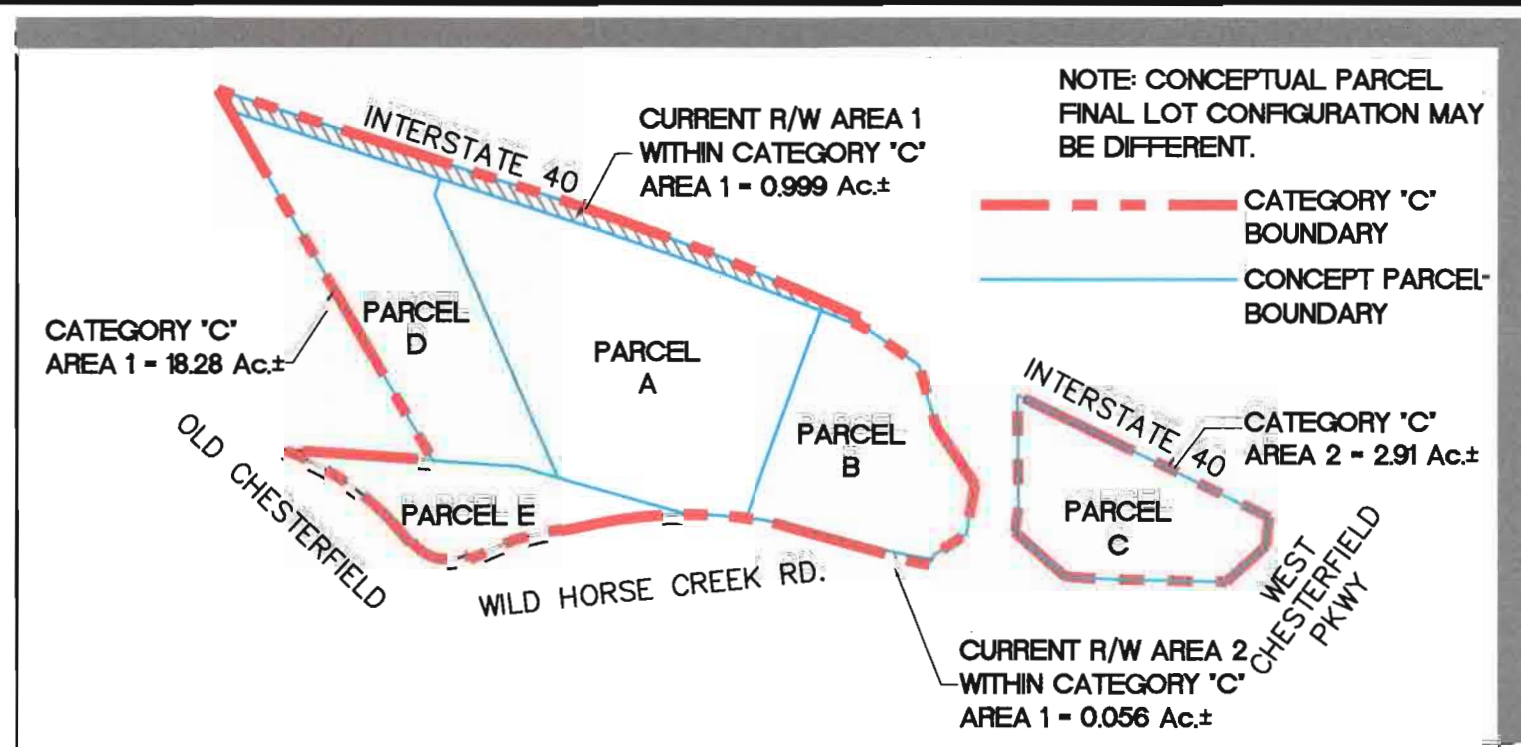
CHESTERFIELD VILLAGE INC.
21.191 Acres ±
"PC & R" PLANNED COMMERCIAL & RESIDENTIAL (ORD. #3023)
16439, 16461, 16491, 16493, 16495, 16503, 16511 WILD HORSE CREEK
CHESTERFIELD, MISSOURI 63005 & 63017
185430259, 185430248, 187640095, 187640204, 187640215, 187640303,
187640314, 187640325
PG. 21, GRID 18EE & 19 EE
MONARCH FIRE PROTECTION DISTRICT
PARKWAY
METROPOLITAN ST. LOUIS SEWER DIST.
MISSOURI RIVER
2018000165K, FEB 4, 2015
AMEREN UE
SPIRE INC
AT&T
MISSOURI AMERICAN WATER COMPANY

ABBREVIATIONS

ATG - ADJUST TO GRADE
B.C. - BACK OF CURB
C.O. - CLEANOUT
D.B. - DEED BOOK
E. - ELECTRIC
ELEV. - ELEVATION
EX. - EXISTING
F.C. - FACE OF CURB
F.L. - FLOWLINE
FT. - FEET
FND. - FOUND
G. - GAS
H.W. - HIGH WATER
LFB - LOW FLOW BLOCKED
M.H. - MANHOLE
N/F - NOW OR FORMERLY
PB. - PLAT BOOK
PG. - PAGE
PR. - PROPOSED
P.V.C. - POLYVINYL CHLORIDE PIPE
R.C.P. - REINFORCED CONCRETE PIPE
R/W - RIGHT-OF-WAY
SQ. - SQUARE
T. - TELEPHONE CABLE
T.B.A. - TO BE ABANDONED
T.B.R. - TO BE REMOVED
T.B.R.R. - TO BE REMOVED AND REPLACED
TYP. - TYPICALLY
U.I.P. - USE IN PLACE
U.O.M. - UNLESS OTHERWISE NOTED
V.C.P. - VITRIFIED CLAY PIPE
W. - WATER
(86'W) - RIGHT-OF-WAY WIDTH

LEGEND

EXISTING SANITARY SEWER
EXISTING STORM SEWER
EXISTING TREE
EXISTING BUILDING
EXISTING CONTOUR
SPOT ELEVATION
EXISTING UTILITIES
FOUND 1/2" IRON PIPE
SET IRON PIPE
FOUND CROSS
FOUND STONE
FIRE HYDRANT
LIGHT STANDARD
BUSH
SIGN
NOTES PARKING SPACES
GUY WIRE
POWER POLE
WATER VALVE
DENOTES RECORD INFORMATION
HANDICAPPED PARKING
PROPOSED CONTOUR
PROPOSED SPOT
PROPOSED STORM
PROPOSED SANITARY



GENERAL NOTES

- BOUNDARY AND TOPOGRAPHIC SURVEY BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC.
- ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED.
- NO GRADE SHALL EXCEED 3:1 SLOPE.
- GRADING AND STORM WATER PER M.S.D., MODOT, ST. LOUIS COUNTY, THE CITY OF CHESTERFIELD AND THE MONARCH CHESTERFIELD LEVEE DISTRICT.
- STORMWATER SHALL BE DISCHARGED AT ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- ALL UTILITIES WILL BE INSTALLED UNDERGROUND.
- SITE DEVELOPMENT SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS AS OUTLINED IN THE GEO TECHNICAL EXPLORATION TITLED B AND ALL IRS SUPPLEMENTAL PROVISIONS AND ADDENDUMS.
- SIGNAGE APPROVAL IS A SEPARATE PROCESS

SHEET INDEX

SDCP-1 - SITE DEVELOPMENT CONCEPT PLAN
SDCP-2 - CONCEPT PHOTOGRAPHIC PLAN
L-1 - LANDSCAPE PLAN
TSD-1 - TREE STAND DELINEATION
TPP-1 - TREE PRESERVATION PLAN

CONCEPTUAL PARCEL	SIZE (S.F.)	SIZE (Ac.)	COMMERCIAL USE (S.F.)	RESIDENTIAL USE (UNITS)
PARCEL A	318,221	7.31	27,050	173
PARCEL B	151,326	3.47	82,000	0
PARCEL C	126,809	2.91	120,000	0
PARCEL D	196,376	4.51	23,500	0
PARCEL E	84,391	1.94	6,000	0
TOTAL		258,350		173

ST. LOUIS COUNTY BENCHMARK

BENCHMARK # 12277 NGVD29 Elev = 490.38
Cut "L" on the southwest corner of the 31x31 traffic signal pole has set flush in the top of a concrete median island northeast of the right turn lane from eastbound Wild Horse Creek Road onto the southbound side of a pavement side for a future extension of Burkhardt Place as shown on the plot of "WILD HORSE CREEK ROAD DEDICATION PLAN" (Plot Book 354, Page roughly 51 feet south of the center of Wild Horse Creek Road, 27 feet west of the centerline of the pavement side for future Burkhardt Place, and 0.3 miles more or less east of Barker Road.

DISCLAIMER
STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND AUTHORIZED TO DO SO BY THE OWNER OR CONTRACTOR.

UTILITY NOTE
UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

PREPARED FOR:

PEARL COMPANIES
919 N. EAST STREET
INDIANAPOLIS, IN. 46202
ATTN: MR. JEFF TEGETHOFF

ST. LOUIS COUNTY STANDARD NOTES

- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS.
- NO SLOPES WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL).
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- ALL PROPOSED ACCESS TO ST. LOUIS COUNTY ROADS SHALL MEET MINIMUM ST. LOUIS COUNTY SIGHT DISTANCE REQUIREMENTS.
- ALL SIDEWALKS AND ASSOCIATED ACCESSIBILITY IMPROVEMENTS WITHIN RIGHT-OF-WAY SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY ADA STANDARDS.
- A SIGNED/SEALED NOTE SHALL BE ADDED TO THE CONSTRUCTION PLANS INDICATING THAT THE UNIMPROVED EXISTING SIDEWALK/PEDESTRIAN PATH ALONG THE PROJECT FRONTAGE MEETS CURRENT ST. LOUIS COUNTY ADA STANDARDS.
- ALL GRADING AND DRAINAGE SHALL BE IN CONFORMANCE WITH ST. LOUIS COUNTY AND MSD STANDARDS.
- ALL HYDRANTS, POWER POLES OR OTHER POTENTIAL OBSTRUCTIONS WITHIN THE ST. LOUIS COUNTY ROAD RIGHT-OF-WAY SHALL HAVE A MINIMUM TWO (2) FOOT SETBACK FROM FACE OF CURB OR EDGE OF PAVEMENT, AS DIRECTED BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC.
- ANY ENTITY THAT PERFORMS WORK ON ST. LOUIS COUNTY MAINTAINED PROPERTY SHALL PROVIDE THE COUNTY WITH A CERTIFICATE OF INSURANCE EVIDENCING GENERAL LIABILITY COVERAGE (BODILY INJURY AND PROPERTY DAMAGE) IN THE AMOUNTS SPECIFIED AS THE LIMITS OF LIABILITY SET BY THE STATE FOR PUBLIC ENTITIES. SUCH CERTIFICATE SHALL INCLUDE: ST. LOUIS COUNTY AS AN ADDITIONAL INSURED AND SHALL BE PROVIDED PRIOR TO THE ISSUANCE OF ANY PERMIT. CERTIFICATE SHALL PROVIDE FOR A 30 DAY POLICY CANCELLATION NOTICE TO ST. LOUIS COUNTY. UPON REQUEST, THE COUNTY WILL PROVIDE THE SPECIFIC AMOUNTS FOR BOTH PER PERSON AND PER OCCURRENCE LIMITS.
- PRIOR TO "SPECIAL USE PERMIT" ISSUANCE BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC, A SPECIAL CASH ESCROW OR A SPECIAL ESCROW SUPPORTED BY AN IRREVOCABLE LETTER OF CREDIT, MAY BE REQUIRED TO BE ESTABLISHED WITH THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC TO GUARANTEE COMPLETION OF THE REQUIRED ROADWAY IMPROVEMENTS.
- CONTINUOUS PEDESTRIAN ACCESS SHALL BE PROVIDED DURING THE CONSTRUCTION PROCESS. PRIOR TO THE START OF CONSTRUCTION, ADEQUATE PEDESTRIAN ACCESS AROUND THE SITE SHALL BE PROVIDED AND VERIFIED. NO EXISTING SIDEWALK SHALL BE REMOVED WITHOUT PROVIDING ADEQUATE PEDESTRIAN FACILITIES AND ROUTES DURING CONSTRUCTION ACTIVITIES.

the owner under contract of the property shown on this plan for and in consideration of being granted a permit to develop property under the provisions of Chapter.

"PC+R" - Planned Commercial & Residence of the City of Chesterfield (applicable subdivision) (present zoning)

Ordinance No. _____ do hereby agree and declare that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the Planning Commission, or voided or vacated by order of ordinance of the City of Chesterfield Council.

by:

STATE OF MISSOURI }
COUNTY OF ST. LOUIS } SS.

On this day of _____, 2018, before me personally appeared _____, who being by me duly sworn, do say he is the _____ of _____ and that said _____

Instrument was signed on behalf of said limited liability company, and that said _____ acknowledged said instrument to be the free act and deed of said limited liability company.

IN WITNESS WHEREOF, I have signed and sealed the foregoing the day and year first above written.

Notary Public

Print Name

My commission expires:

This Site Development Concept Plan was approved by the City of Chesterfield Planning Commission and duly verified on the day of _____, 2018, by the Chairperson of said Commission, authorizing the recording of this Amended Site Development Section Plan pursuant to Chesterfield Ordinance No. 200, as attested to by the Director of Planning and Development Services and the City Clerk.

By:

Justin Wyse, Director of Planning and Development Services

By:

Vickie Hass, City Clerk

SURVEYOR'S CERTIFICATION

This is to certify that Stock and Associates Consulting Engineers, Inc. has prepared this Site Development Concept Plan from a field survey and does not represent a property boundary survey. The information shown is a correct representation of all existing and proposed land divisions.

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC.
L.S. No. 222-D

Walt J. J. Jeger, Missouri L.S. No. 2008000728



AREA 1 (PART OF CATEGORY "C")

A TRACT OF LAND IN U.S. SURVEY 123, TOWNSHIP 45 NORTH - RANGE 4 EAST, ST. LOUIS COUNTY, MISSOURI AND BEING MORE PARTICULARLY DESCRIBED AS:

COMMENCING AT THE INTERSECTION OF THE WEST LINE OF PROPERTY OF CHESTERFIELD VILLAGE, INC., AS DESCRIBED IN THE DEED RECORDED IN BOOK 6881 PAGE 1745 OF THE ST. LOUIS COUNTY RECORDS WITH THE NORTH LINE OF RELOCATED WILD HORSE CREEK ROAD, AS SHOWN IN THE "WILD HORSE CREEK ROAD DEDICATION PLAN" RECORDED IN PLAT BOOK 354 PAGES 885 AND 886 OF THE ST. LOUIS COUNTY RECORDS, THENCE NORTHWARDLY ALONG SAID EAST LINE NORTH 00 DEGREES 02 MINUTES 30 SECONDS EAST 551.26 FEET TO A POINT ON THE SOUTHWEST LINE OF CHESTERFIELD AIRPORT ROAD (FORMERLY OLIVE STREET ROAD), THENCE SOUTH 87 DEGREES 18 MINUTES 34 SECONDS EAST 191.41 FEET TO A POINT, THENCE SOUTH 45 DEGREES 38 MINUTES 57 SECONDS EAST 80.12 FEET TO A POINT ON THE EAST LINE OF RELOCATED CHESTERFIELD AIRPORT ROAD AS SHOWN ON SAID "WILD HORSE CREEK ROAD DEDICATION PLAN" RECORDED IN PLAT BOOK 354 PAGES 885 AND 886 BEING THE TRUE POINT OF BEGINNING OF THE TRACT HEREIN DESCRIBED, THENCE NORTHERLY ALONG SAID EAST LINE ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 59 DEGREES 01 MINUTES 59 SECONDS WEST 602.66 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 85.14 FEET TO A POINT ON THE CENTERLINE OF SAID CHESTERFIELD AIRPORT ROAD, THENCE ALONG SAID CENTERLINE SOUTH 52 DEGREES 38 MINUTES 57 SECONDS EAST 312.75 FEET TO A POINT ON THE WEST LINE OF U.S. SURVEY 123, THENCE NORTHERLY ALONG SAID WEST LINE NORTH 00 DEGREES 05 MINUTES 18 SECONDS EAST 888.55 FEET TO A POINT ON THE SOUTHWEST RIGHT-OF-WAY LINE OF MISSOURI INTERSTATE HIGHWAY 40 (STATE HIGHWAY ROUTE 40), VARYING WIDTH, THENCE SOUTH 42 DEGREES 03 MINUTES 01 SECONDS EAST 271.15 FEET TO A POINT, THENCE SOUTH 42 DEGREES 13 MINUTES 47 SECONDS EAST 77.80 FEET TO A POINT, THENCE SOUTH 40 DEGREES 02 MINUTES 02 SECONDS WEST 18.52 FEET TO A POINT, THENCE SOUTH 34 DEGREES 43 MINUTES 14 SECONDS EAST 34.89 FEET TO A POINT, THENCE SOUTH 28 DEGREES 25 MINUTES 44 SECONDS EAST 29.32 FEET TO A POINT, THENCE SOUTH 14 DEGREES 20 MINUTES 56 SECONDS WEST 134.14 FEET TO A POINT, THENCE SOUTH 03 DEGREES 22 MINUTES 08 SECONDS EAST 145.48 FEET TO A POINT, THENCE SOUTH 40 DEGREES 19 MINUTES 00 SECONDS WEST 105.00 FEET TO A POINT, THENCE SOUTH 87 DEGREES 48 MINUTES 22 SECONDS WEST 81.39 FEET TO A POINT, THENCE SOUTH 40 DEGREES 18 MINUTES 00 SECONDS WEST 20.00 FEET TO A POINT, THENCE NORTH 40 DEGREES 40 MINUTES 45 SECONDS WEST 33.85 FEET TO A POINT, THENCE NORTH 44 DEGREES 11 MINUTES 16 SECONDS WEST 327.23 FEET TO A POINT, THENCE ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 39 DEGREES 30 MINUTES 15 SECONDS WEST 991.00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 118.97 FEET TO A POINT, THENCE CONTINUING ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 991.00 FEET, AN ARC LENGTH OF 39.89 FEET, THE CHORD OF WHICH BEARS NORTH 58 DEGREES 30 MINUTES 49 SECONDS WEST, A CHORD DISTANCE OF 19.89 FEET TO A POINT, THENCE ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 30 DEGREES 19 MINUTES 17 SECONDS WEST 991.00 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 237.03 FEET TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 22 DEGREES 32 MINUTES 47 SECONDS EAST 110.00 FEET, ALONG A CURVE TO THE RIGHT, WHOSE RADIUS POINT BEARS NORTH 03 DEGREES 32 MINUTES 6 SECONDS EAST 94.50 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 130.29 FEET, AND SOUTH 42 DEGREES 32 MINUTES 19 SECONDS WEST 5.00 FEET TO A POINT ON SAID EAST LINE OF RELOCATED CHESTERFIELD AIRPORT ROAD AS SHOWN ON "WILD HORSE CREEK ROAD DEDICATION PLAN" RECORDED IN PLAT BOOK 354 PAGES 885 AND 886, THENCE NORTHERLY ALONG AFORESAID EAST LINE, ALONG A CURVE TO THE LEFT, WHOSE RADIUS POINT BEARS SOUTH 82 DEGREES 32 MINUTES 19 SECONDS WEST 602.66 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 247.37 FEET TO THE POINT OF BEGINNING AND CONTAINING 16.80 ACRES MORE OR LESS ACCORDING TO CALCULATIONS BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC. DURING JUNE, 2018.

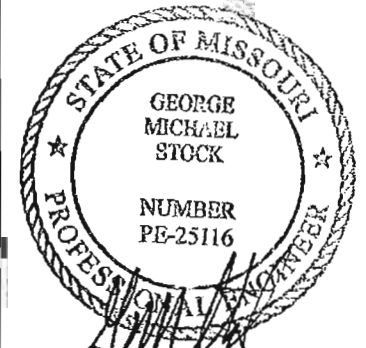
AREA 2 (PART OF CATEGORY "C")

A TRACT OF LAND IN U.S. SURVEY 123, TOWNSHIP 45 NORTH - RANGE 4 EAST, ST. LOUIS COUNTY, MISSOURI AND BEING MORE PARTICULARLY DESCRIBED AS: BEGINNING AT A POINT ON THE SOUTHWEST RIGHT-OF-WAY LINE OF U.S. HIGHWAY 40, SAID POINT BEING DISTANT NORTH 33 DEGREES 47 MINUTES 31 SECONDS WEST 41.96 FEET FROM THE SOUTH LINE OF SAID U.S. SURVEY 123, SAID POINT ALSO BEING PERPENDICULAR DISTANT NORTH 53 DEGREES 04 MINUTES 09 SECONDS WEST 65.00 FEET FROM THE CENTERLINE OF CHESTERFIELD PARKWAY, THENCE SOUTHWESTWARDLY ALONG THE NORTHWEST RIGHT-OF-WAY LINE OF SAID CHESTERFIELD PARKWAY SOUTH 38 DEGREES 55 MINUTES 52 SECONDS WEST 110.86 FEET TO THE NORTH RIGHT-OF-WAY LINE OF CHESTERFIELD AIRPORT ROAD, 100 FEET WIDE, THENCE NORTHERLY ALONG SAID NORTH RIGHT-OF-WAY LINE OF U.S. SURVEY 123, THENCE WEST ALONG SAID SOUTH LINE OF U.S. SURVEY 123 SOUTH 77 DEGREES 39 MINUTES 53 SECONDS WEST 110.86 FEET TO THE NORTH RIGHT-OF-WAY LINE OF CHESTERFIELD AIRPORT ROAD, 100 FEET WIDE, THENCE ALONG A CURVE TO THE RIGHT, WHOSE RADIUS POINT BEARS NORTH 39 DEGREES 47 MINUTES 51 SECONDS EAST 1859.86 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 45.80 FEET, TO THE RIGHT, WHOSE RADIUS POINT BEARS NORTH 39 DEGREES 47 MINUTES 51 SECONDS EAST 1859.86 FEET FROM THE LAST MENTIONED POINT, A DISTANCE OF 117.66 FEET TO THE LIMITED ACCESS LINE OF RAMP "A", THENCE ALONG SAID LIMITED ACCESS LINE OF RAMP "A" THE FOLLOWING COURSES AND DISTANCES: NORTH 18 DEGREES 05 MINUTES 04 SECONDS WEST 129.51 FEET, NORTH 38 DEGREES 47 SECONDS EAST 50.00 FEET AND NORTH 29 DEGREES 35 MINUTES 23 SECONDS EAST 237.00 FEET TO THE AFORESAID SOUTHWEST RIGHT-OF-WAY LINE OF U.S. HIGHWAY 40, THENCE SOUTHEASTWARDLY ALONG SAID SOUTHWEST RIGHT-OF-WAY LINE OF U.S. HIGHWAY 40 SOUTH 33 DEGREES 47 MINUTES 31 SECONDS EAST 584.07 FEET TO THE POINT OF BEGINNING AND CONTAINING 2.91 ACRES.

PREPARED BY: SITE DEVELOPMENT CONCEPT PLAN FOR:

WILDHORSE

16439, 16461, 16491, 16493, 16495, 16503, 16511 WILD HORSE CREEK ROAD
CHESTERFIELD, MO 63005 & 63017



GEORGE M. STOCK, P.E.
CIVIL ENGINEER
LICENSE NO. E-57922

REVISIONS:

- 2018-10-29 CITY
- 2018-12-14 CITY
- 2019-01-04 CITY
- 2019-01-16 CITY
- 2019-01-17 CITY
- 2019-01-18 CITY

DRAWN BY: K.S.G./J.E.B. CHECKED BY: G.M.S.

DATE: 09/07/18 JOB NO: 218-6283-A

M.S.D. # & BASE MAP #

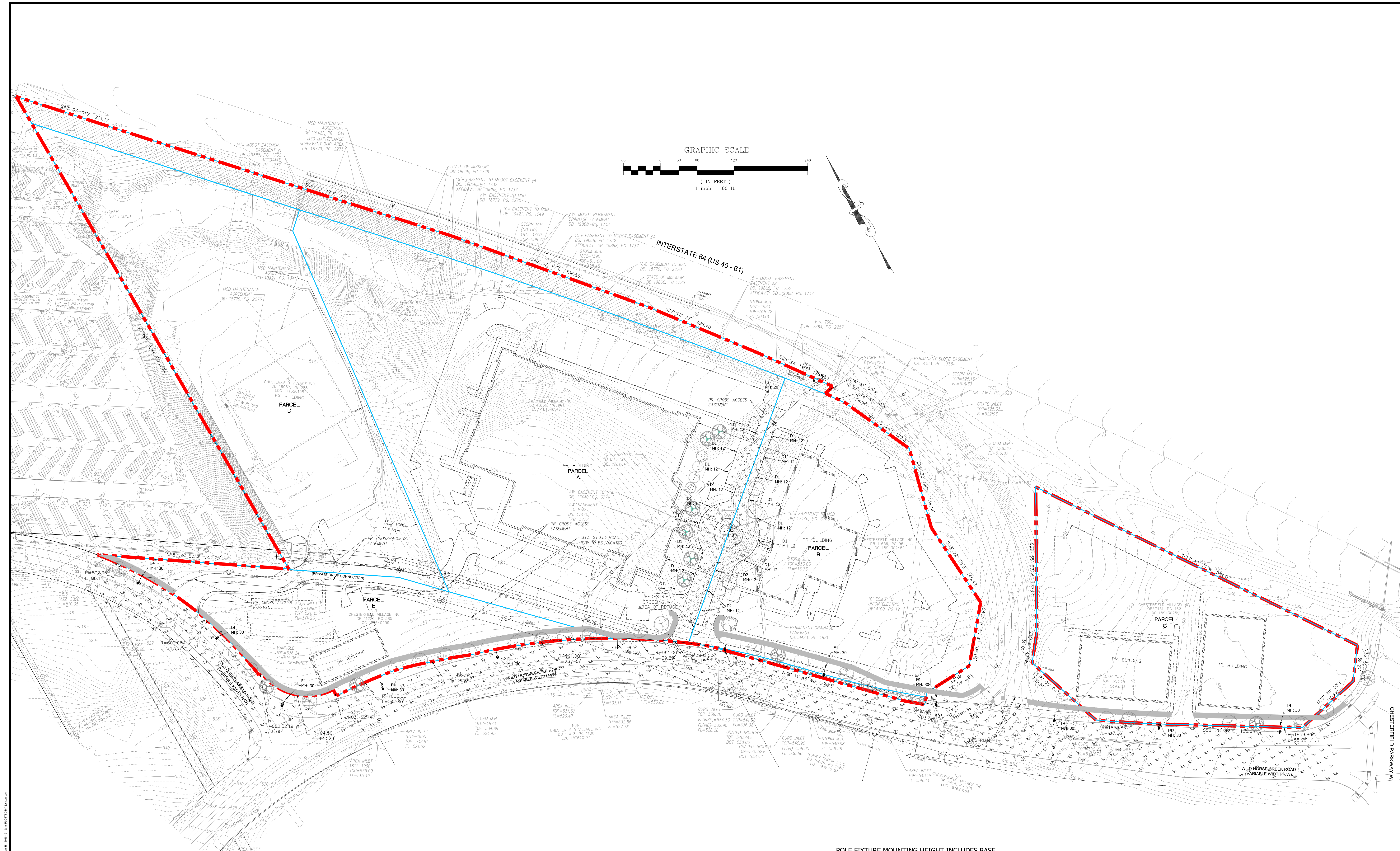
S.D.C. # & H&T SUP. #

SCALE: 1" = 180' SHEET TITLE:

SITE DEVELOPMENT CONCEPT PLAN

SHEET NO.:

SDCP-1

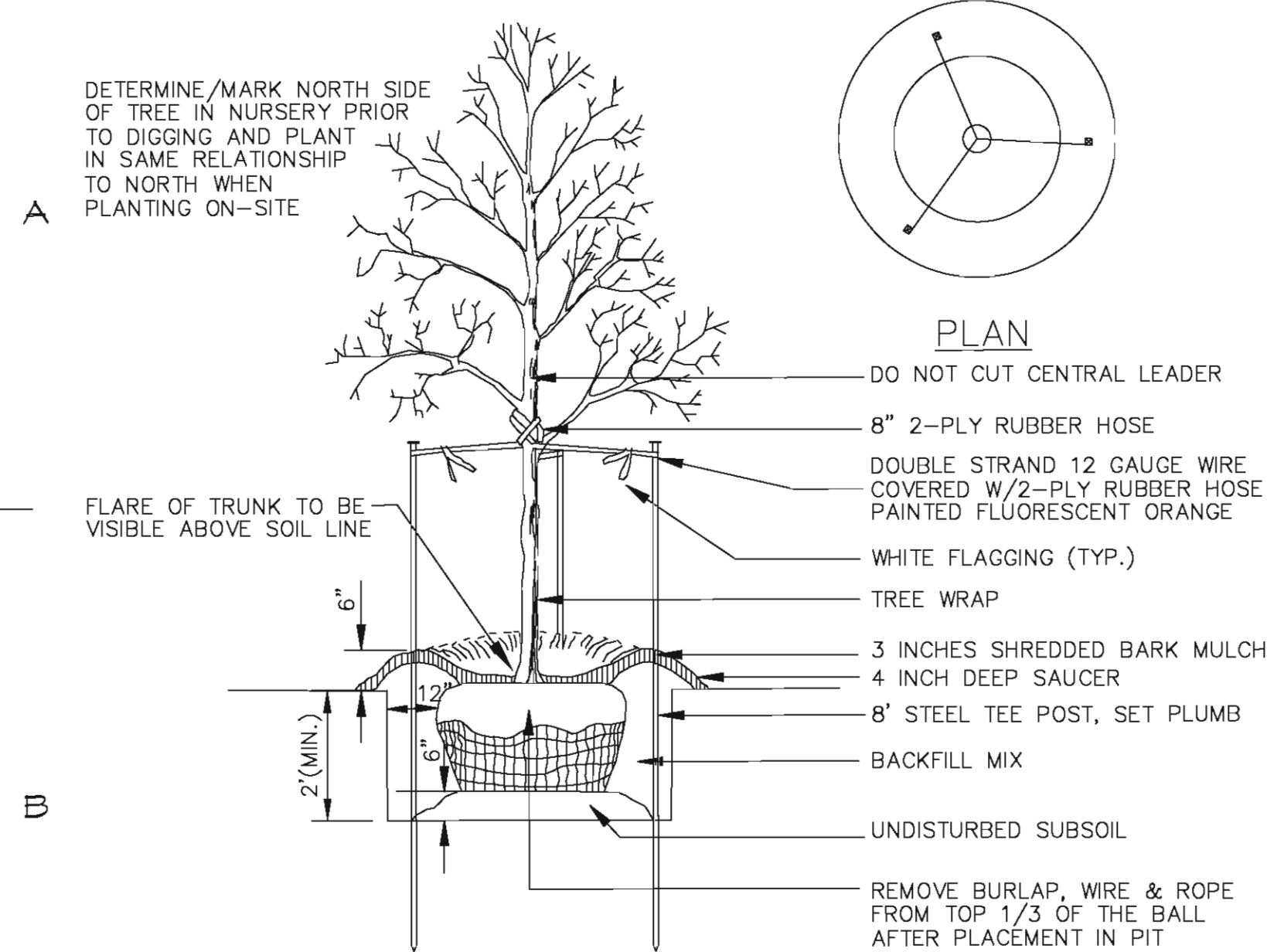


POLE FIXTURE MOUNTING HEIGHT INCLUDES BASE
LIGHT LEVEL CALCULATED ON THE GROUND

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
OLD CHESTERFIELD RD	ILLUMINANCE	Fc	1.76	2.5	0.1	7.60
INTERNAL DRIVE	ILLUMINANCE	Fc	0.60	7.4	0.5	3.20
WHCR	ILLUMINANCE	Fc	0.56	2.5	0.0	N.A.

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Lum. Watts	Total Watts	LLF
●	5	B1	SINGLE	46.8	234	1.000
●	16	D1	SINGLE	42	672	1.000
●	3	D2	BACK-BACK	42	252	1.000
□	1	F2	SINGLE	59	59	1.000
—	12	F4	SINGLE	72.3	867.6	1.000
Description						
RT4xx-26L45T5-MDL05-CA						
L9462A Albertslund Mini LED 4000K						
L9462A Albertslund Mini LED 4000K						
GLEON-AF-01-LED-E1-SL3-HSS						
GCM2-40H-MV-NW-3R-XX-575						

DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF REQUEST.
ANY CHANGES IN MOUNTING HEIGHT OR LOCATION, LAMP WATTAGE, LAMP TYPE, AND
EXISTING FIELD CONDITIONS, THAT EFFECT ANY OF THE PREVIOUSLY MENTIONED, WILL
VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.



DECIDUOUS TREE PLANTING

N.T.S.

STREET TREES: 1 per 50 LF FRONTAGE (or part thereof)

• 400.78 LF FRONTAGE @ WILDHORSE CREEK RD. (Parcel A+E), REQUIRING TWENTY TWO (22) TREES; EIGHTEEN (18) TREES PROVIDED

• 347.71 LF FRONTAGE @ WILDHORSE CREEK RD. (Parcel B), REQUIRING EIGHT (8) TREES; EIGHT (8) TREES PROVIDED

• 507.43 LF FRONTAGE @ WILDHORSE CREEK RD. (Parcel C), REQUIRING ELEVEN (11) TREES; TEN (10) TREES PROVIDED

PLEASE NOTE: DUE TO LOCATIONS OF LIGHT STANDARDS, DRIVE OPENINGS AND SIGHT TRIANGLES, NUMBER OF PROPOSED TREES ARE FEWER THAN REQUIRED BY A TOTAL OF FIVE (5) TREES

LANDSCAPE GUIDELINE SPECS:

GENERAL:

- All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment usage. Contractor shall at all times protect all materials and work against injury to public. The landscape contractor shall be responsible for any coordination and sequencing with other site related work being performed by other contractors. Refer to additional drawings for further coordination of work to be done.
- Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the landscape contractor's responsibility to determine or verify the existence of and exact location of the above (Call utility location services in municipality). Plant material are to be planted in the same relationship to grade as was grown in nursery conditions.
- It shall be the landscape contractor's responsibility to:
 - Verify all existing and proposed features shown on the drawings prior to commencement of work.
 - Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
 - Stake the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect ten (10) days prior to installation.
- Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify all quantities and conditions prior to implementation of this plan. No substitutions of types or size of plant materials will be accepted without written approval from the landscape architect. Provide single-stem trees unless otherwise noted in plant schedule.
- All plant material shall comply with the recommendations and requirements of ANSI Z601 "American Standards for Nursery Stock". It shall be the contractor's responsibility to provide for inspection of the plant material by the Landscape Architect for Owners' Representative prior to acceptance. Inspections may take place before, during or after installation. Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscape contractor's expense.

- All bids are to have unit prices listed. The Owner has the option to delete any portion of the contract prior to signing the contract or beginning work. This will be a unit price contract; quotes shall be valid for 12 months.
- Should auger equipment be utilized in excavating any plant pits, vertical sides of plant pits shall be thoroughly scarified to avoid creation of "polished side walls" prior to plant material installation.
- All excess topsoil, rocks, debris and/or tainted soils shall be removed by the general contractor prior to point project is turned over to the landscape contractor to commence landscape installation.
- Keep all plant material (except turf) a minimum of 36" clear of fire hydrants.
- Landscape contractor shall kill & remove all existing weeds within the project site.
- All tags, nursery stakes, labels, etc. shall be removed by the landscape contractor at completion of all landscape installation.
- Landscape contractor shall be in compliance with all federal, state and local laws / regulations relating to insect infestation and/or plant diseases.
- All substitutions of plant material shall be submitted to landscape architect for approval.

TOPSOIL:

- Topsoil mix for all proposed landscape plantings shall be five (5) parts well-drained screened organic topsoil to one (1) part Canadian sphagnum peat moss as per planting details. Roto-till topsoil mix to a depth of 6" minimum and grade smooth.
- Provide a soil analysis, as requested, made by an independent soil-testing agency outlining the % of organic matter, inorganic matter, deleterious material, pH and mineral content.
- Any foreign topsoil used shall be free of roots, stumps, weeds, brush, stones (larger than 1"), litter or any other extraneous or toxic material. Landscape contractor shall be fully responsible for correcting all negative soil issues prior to plant installation. Killing and removal of all weeds shall be the responsibility of the landscape contractor as part of this task.
- Landscape contractor to apply pre-emergent herbicide to all planting beds upon completion of planting operations and before application of shredded bark mulch.
- Install siltation controls prior to commencement of any grading operations. Inspect and maintain all siltation fences on a weekly basis until vegetation is established.

WARRANTY:

- All plant material (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after complete installation of all landscape material at 100% of the installed price.
- Any plant material found to be defective shall be removed and replaced within 30 days of notification or in growth season determined to be best for that plant.
- Only one replacement per tree or shrub shall be required at the end of the warranty period, unless loss is due to failure to comply with the warranty.
- Lawn establishment period will be in effect once the lawn has been mowed three times. Plant establishment period shall commence on the date of acceptance and 100% completion.
- A written guarantee shall be provided to the owner per conditions outlined in #1 above.

PRUNING:

- Lightly prune trees at time of planting. Prune only the crossover limbs, interfering leaders and/or any broken branches. Some interior twigs and lateral branches may be pruned. However, do not remove the terminal buds or branches that extend to the edge of the crown.
- All pruning shall comply with ANSI A300 standards.

INSURANCE:

- The landscape contractor shall submit certificates of insurance for workman's compensation and general liability.

MULCH:

- All mulch to be shredded oak bark mulch at 3" depth (after compaction) unless otherwise noted. Mulch shall be clean and free of all foreign materials, including weeds, mold, deleterious materials, etc.
- No plastic sheeting or filter fabric shall be placed beneath shredded bark mulch beds. Filter fabric shall be used beneath all gravel mulch beds. Lay fabric 6" over adjacent coverages.
- Edge all beds with spade-cut edge unless otherwise noted.

TYPE	QTY	PERCENTAGE
DECIDUOUS:	52	100%
ORNAMENTAL:	0	0%
EVERGREEN:	0	0%

14 FAST GROWTH (45%) AND 25 SLOW/MEDIUM GROWTH (55%)

ALL STREET TREES SHALL BE MIN. 2.5" CALIPER WITH A MAXIMUM OF 20% OF TREES OF ONE SPECIES THROUGHOUT



1-800-DIG-RITE

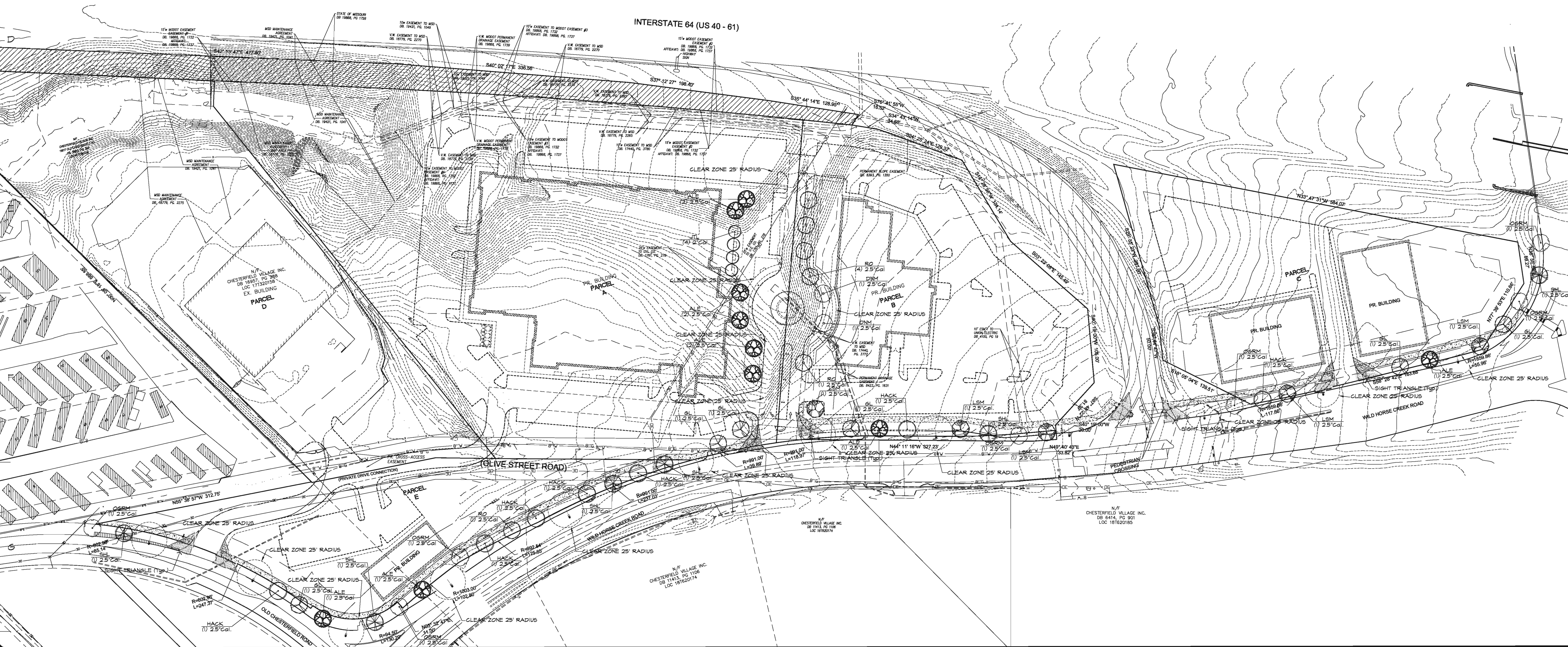
INDICATES PROPOSED LIGHTING FIXTURES (SEE CIVIL DWGS.)

0 60 120 180 feet
SCALE: 1" = 60'

CONCEPTUAL PARCEL	SIZE (Sq. Ft.)	SIZE (Ac.)
PARCEL A	318,221	7.31
PARCEL B	51,326	3.47
PARCEL C	28,204	2.91
PARCEL D	18,376	4.31
PARCEL E	84,391	1.94

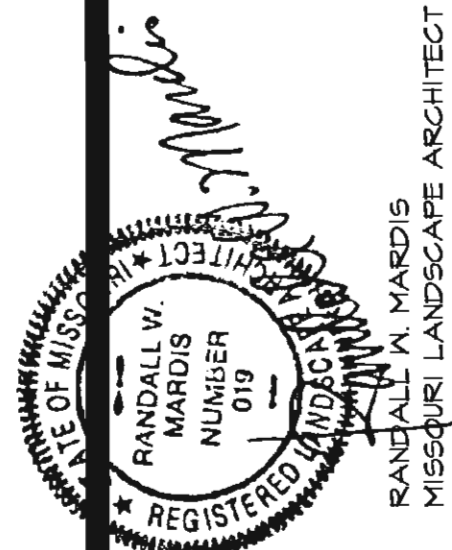
PLANT SCHEDULE

TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE	Slow	Moderate	Fast	< 6"	6" - 18"	18" - 36"	> 3"	< 18"	3" - 6"	6" - 10"	10" - 15"	> 15"	< 15"	15" - 25"	25" - 40"	40" - 65"	> 65"
ALE	10 (14%)	Athena Lacebark Elm / <i>Ulmus parvifolia</i> 'Emer 1'	25" Cal.																	
HACK	1 (58%)	Common Hackberry / <i>Celtis occidentalis</i>	25" Cal.																	
DNM	2 (58%)	Deborah Norway Maple / <i>Acer platanoides</i> 'Deborah'	25" Cal.																	
SL	4 (128%)	Greenspire Lilacleaf Linden / <i>Tilia cordata</i> 'Greenspire'	25" Cal.																	
LSM	5 (98%)	Legacy Sugar Maple / <i>Acer saccharum</i> 'Legacy'	25" Cal.																	
RO	6 (98%)	Rod Oak / <i>Quercus rubra</i>	25" Cal.																	
OGRM	7 (58%)	October Glory Maple / <i>Acer rubrum</i> 'October Glory'	25" Cal.																	
SKL	6 (128%)	Skyline Locust / <i>Gleditsia triacanthos</i> 'Skyline'	25" Cal.																	
FLOWERING TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE	Slow	Moderate	Fast	< 6"	6" - 18"	18" - 36"	> 3"	< 18"	3" - 6"	6" - 10"	10" - 15"	> 15"	< 15"	15" - 25"	25" - 40"	40" - 65"	> 65"
JTL	4 (88%)	Ivory Silk Japanese Tree Lilac / <i>Syringa reticulata</i> 'Ivory Silk'	25" Cal.																	



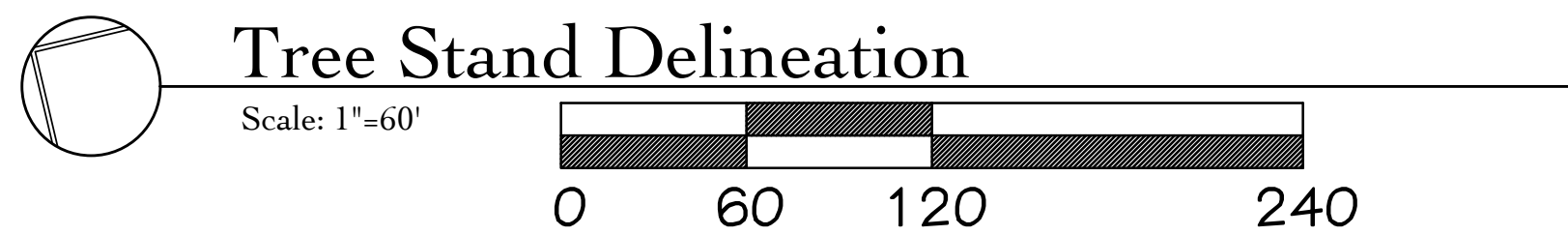
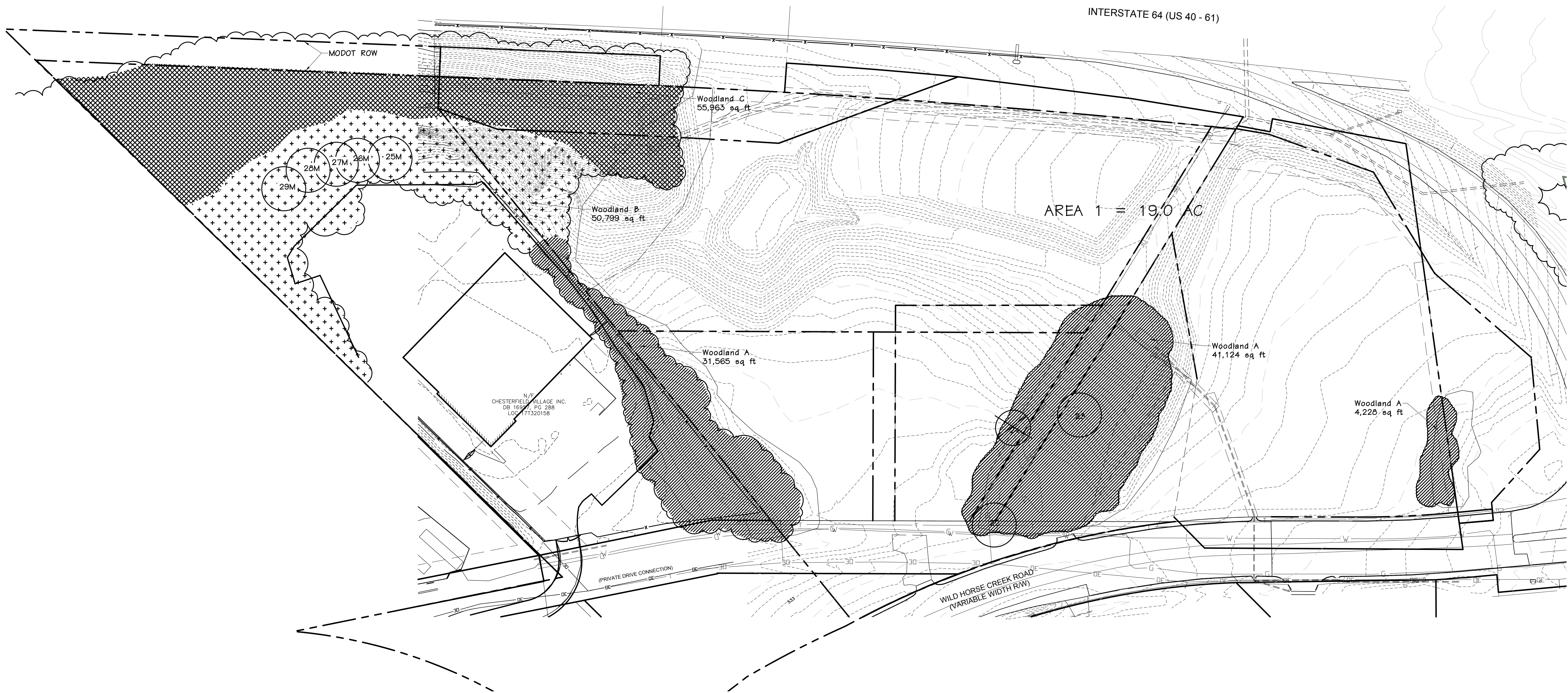
CONCEPTUAL PLAN FOR THE PROPOSED:
Wildhorse
CHESTERFIELD, MISSOURI

DRAWN
R. MARDIS
CHECKED
RMM/EL
DATE
9/6/18
SCALE
1"=60'-0"
JOB No.
2018-153
SHEET
L-1
OF ONE SHEET



Landscape
TECHNOLOGIES
671 Jacque Creek Drive
Chesterfield, MO 63005
TEL: 636-428-2500
FAX: 636-428-2502
WWW.LANDSCAPETECHNOLOGIES.COM

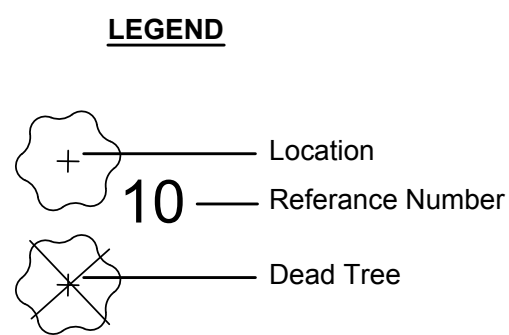
REVISIONS	BY
10/9/18	RMM
10/26/18	RMM
12/14/18	RMM
1/3/19	RMM



Project Tree ID	Latin Name	Common Name	DBH	Height (ft.)	Canopy Spread (ft.)	Condition	Number of Stems
1	Gleditsia triacanthos var inermis	honeylocust thornless	26	41-50	41-50	Dead (0)	1
2	Quercus palustris	oak pin	38	51-60	41-50	Poor (50-59)	1
3	Morus species	mulberry	12	31-40	31-40	Fair (60-69)	1
4	Liquidambar styraciflua	sweetgum	26	41-50	31-40	Good (70-79)	1
5	Liquidambar styraciflua	sweetgum	30	51-60	41-50	Good (70-79)	1
6	Prunus serotina	cherry black	26	41-50	31-40	Fair (60-69)	1
7	Betula nigra	birch river	8	21-30	13-20	Fair (60-69)	Multiple Stems
8	Betula nigra	birch river	6	21-30	13-20	Fair (60-69)	Multiple Stems
9	Betula nigra	birch river	9	21-30	13-20	Fair (60-69)	1
10	Betula nigra	birch river	10	21-30	21-30	Fair (60-69)	1
11	Betula nigra	birch river	10	21-30	21-30	Fair (60-69)	1
12	Prunus serotina	cherry black	10	21-30	21-30	Poor (50-59)	Multiple Stems
13	Unmusical rubra	elm slippery	14	31-40	31-40	Fair (60-69)	1
14	Quercus velutina	oak black	14	31-40	31-40	Fair (60-69)	1
15	Quercus velutina	oak black	12	31-40	31-40	Fair (60-69)	1
16	Betula nigra	birch river	10	31-40	21-30	Fair (60-69)	1
17	Morus species	mulberry	12	31-40	21-30	Fair (60-69)	1
18	Unmusical rubra	elm slippery	12	31-40	21-30	Fair (60-69)	1
19	Crataegus phaenopyrum	hawthorn washington	6	20-Nov	13-20	Poor (50-59)	1
20	Crataegus phaenopyrum	hawthorn washington	6	20-Nov	13-20	Fair (60-69)	1
21	Unmusical rubra	elm slippery	28	41-50	41-50	Fair (60-69)	1
22	Juglans nigra	walnut black	42	51-60	41-50	Critical (10-49)	1
23	Juglans nigra	walnut black	40	51-60	41-50	Critical (10-49)	1
24	Juglans nigra	walnut black	32	41-50	41-50	Dead (0)	1

NOTE: These larger trees were located and identified. However, it was determined that none of these met two or more of the criteria to be classified as Monarch trees.

Project Tree ID	Latin Name	Common Name	DBH	Condition
25	Quercus alba	White Oak	28	Monarch
26	Quercus alba	White Oak	28	Monarch
27	Quercus alba	White Oak	28	Monarch
28	Quercus alba	White Oak	28	Monarch
29	Quercus alba	White Oak	28	Monarch



Tree Stand Delineation Narrative
October 23, 2018

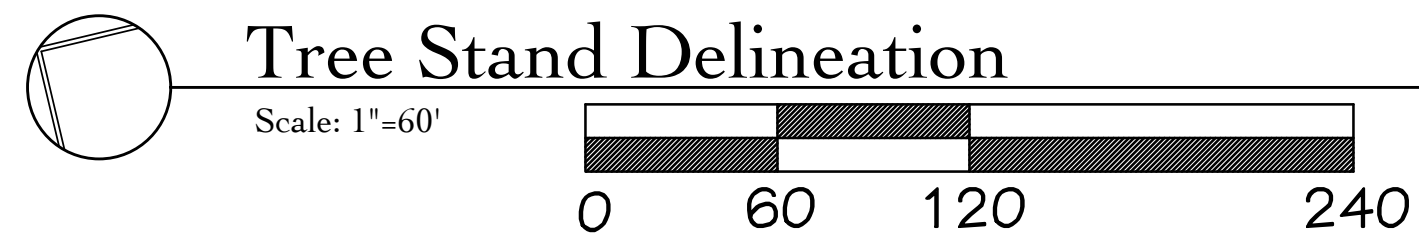
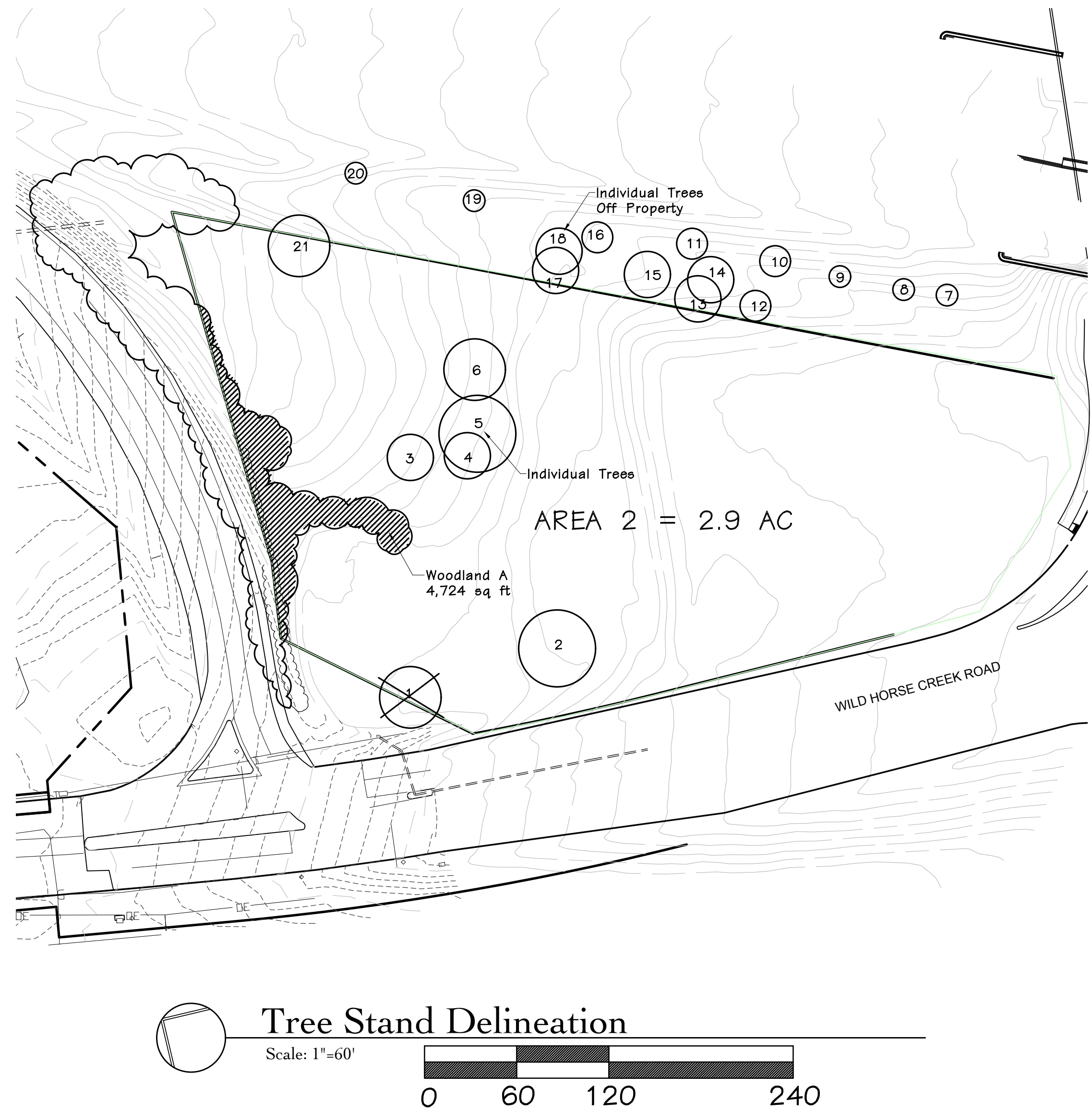
The overall properties comprises a total of 21.91 Ac and has a total of 4.5 Ac. of Woodlands. The attached detailed Tree Stand Delineation map was completed by field inspection.

Woodland A: The Woodlands are second growth with scattered canopy trees that are 10-14" diameter and a dense understory of honeysuckle. Canopy species include walnut, elm, honeylocust and black locust.

Woodland B: The Woodlands are scattered large canopy trees of White and Red oak that are 18-28" diameter. The understory is primarily Sugar Maple that are 3-8" diameter and honeysuckle.

Woodland C: The Woodlands are second growth with scattered canopy trees that are 6-10" diameter and a dense understory of honeysuckle. Canopy species include sycamore, cottonwood, and black locust.

WOODLAND Area 1	= 4.2 Ac.	(183,679 sq. ft.)
Woodland A	= 76,917 sq. ft.	
Woodland B	= 50,799 sq. ft.	
Woodland C	= 55,963 sq. ft.	
WOODLAND Area 2	= 0.1 Ac.	(4,724 sq. ft.)
INDIVIDUAL TREES	= 0.2 Ac.	(7,142 sq. ft.)
Total Existing Canopy	4.5 Ac	(195,545 sq. ft.)



Tree Stand Delineation Prepared under direction of Skip Kincaid of Hansen's Tree Service
Certified Arborist MW-0155BW

Skip Kincaid
Base Map Provided by: Stock Associates

Douglas A. DeLong, Landscape Architect LA-81

Consultants:



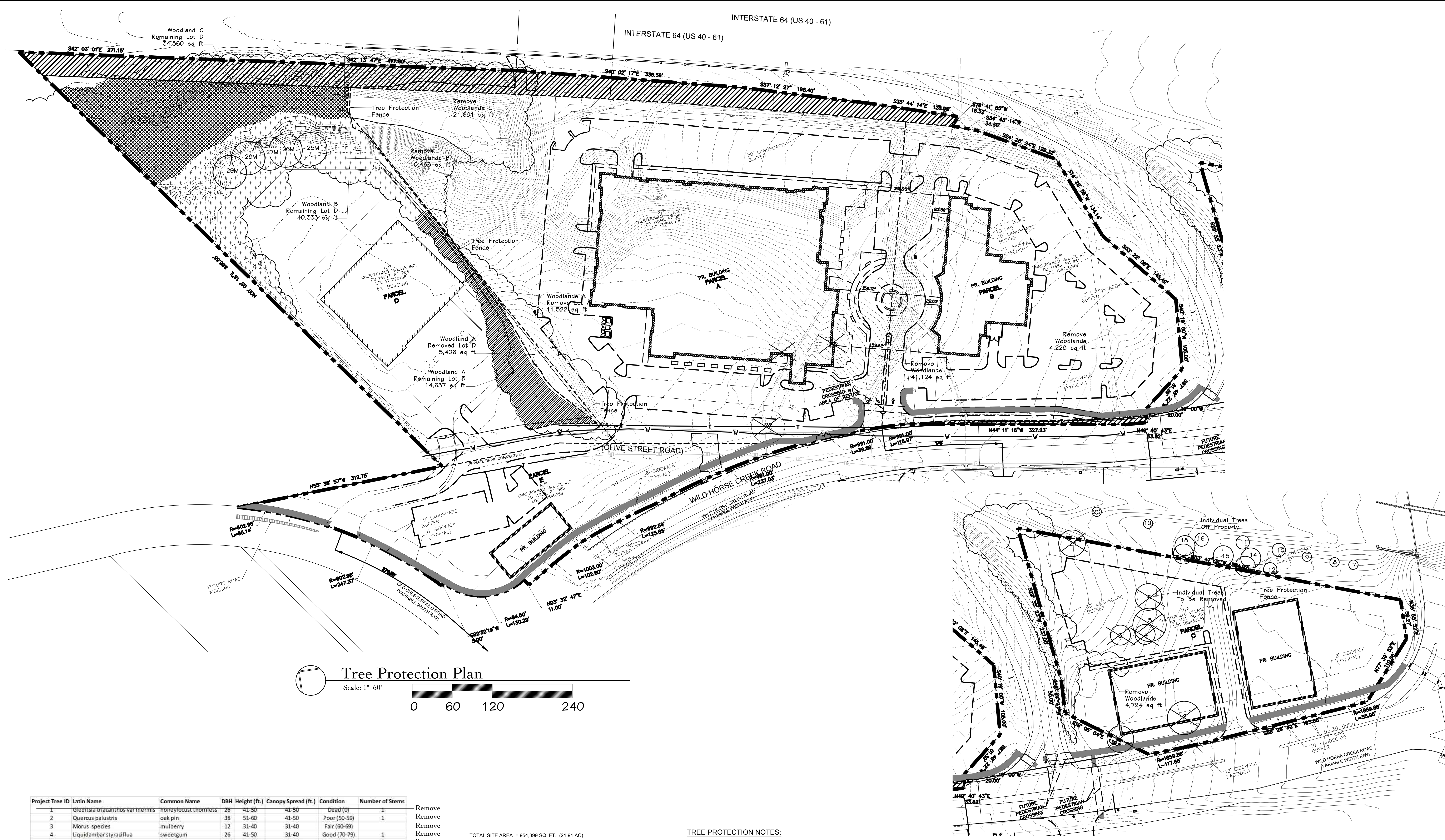
WILDHORSE
Pearl Companies
Chesterfield, Mo.

Date	Description	No.
12/14/18	City Comments	1

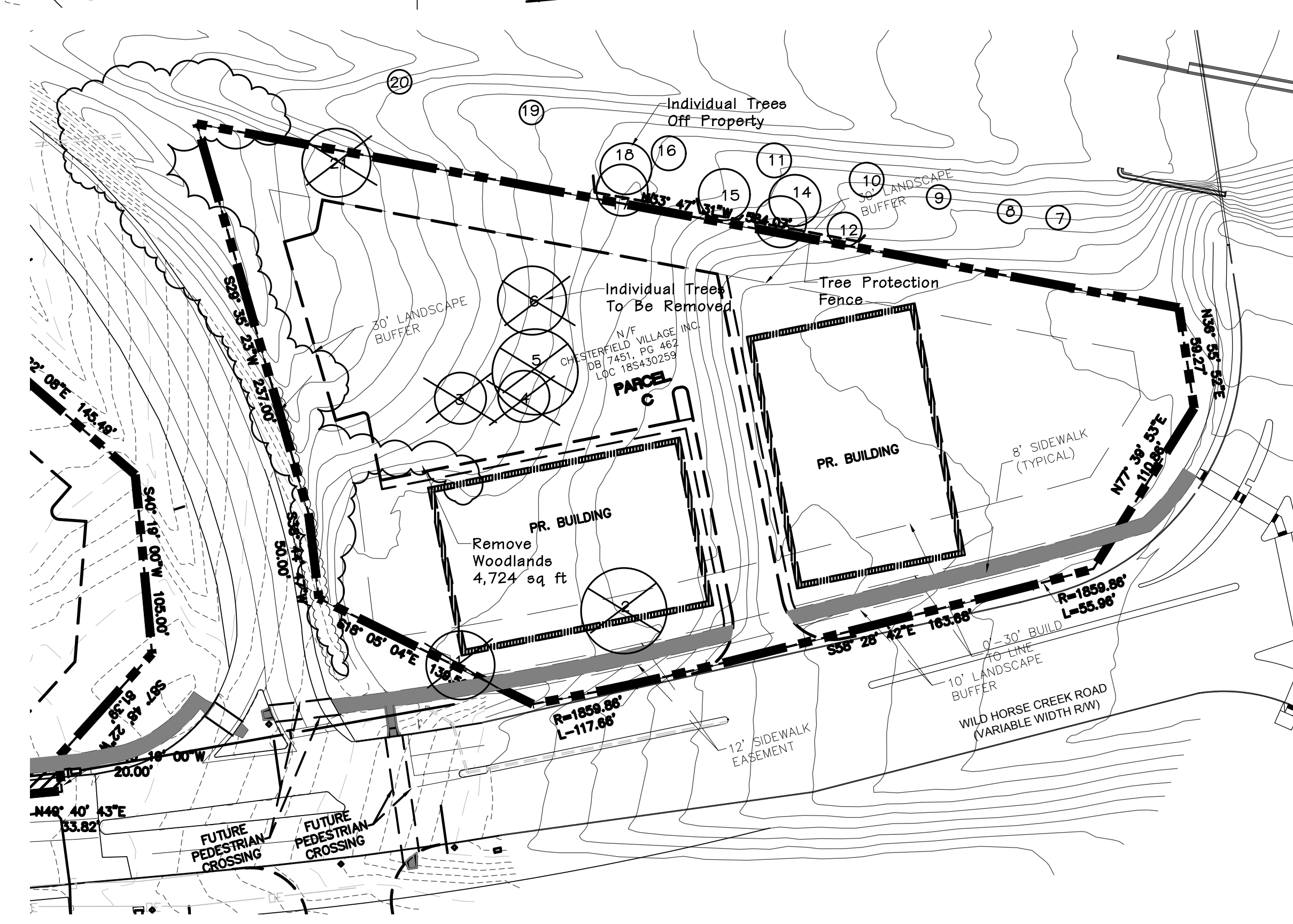
Drawn: **BD**
Checked: **DD**

DeLong Landscape Architecture, LLC
7020 West Bruno Ave
St. Louis, MO, 63117
(314) 346-4856
delong.ta@gmail.com
Missouri State Certificate of Authority: #013300145

Sheet Title:	Tree Stand Delineation
Sheet No:	TSD-1
Date:	10-22-18
Job #:	174.002



Tree Protection Plan
Scale: 1"=60'



Tree Protection Plan
Scale: 1"=60'

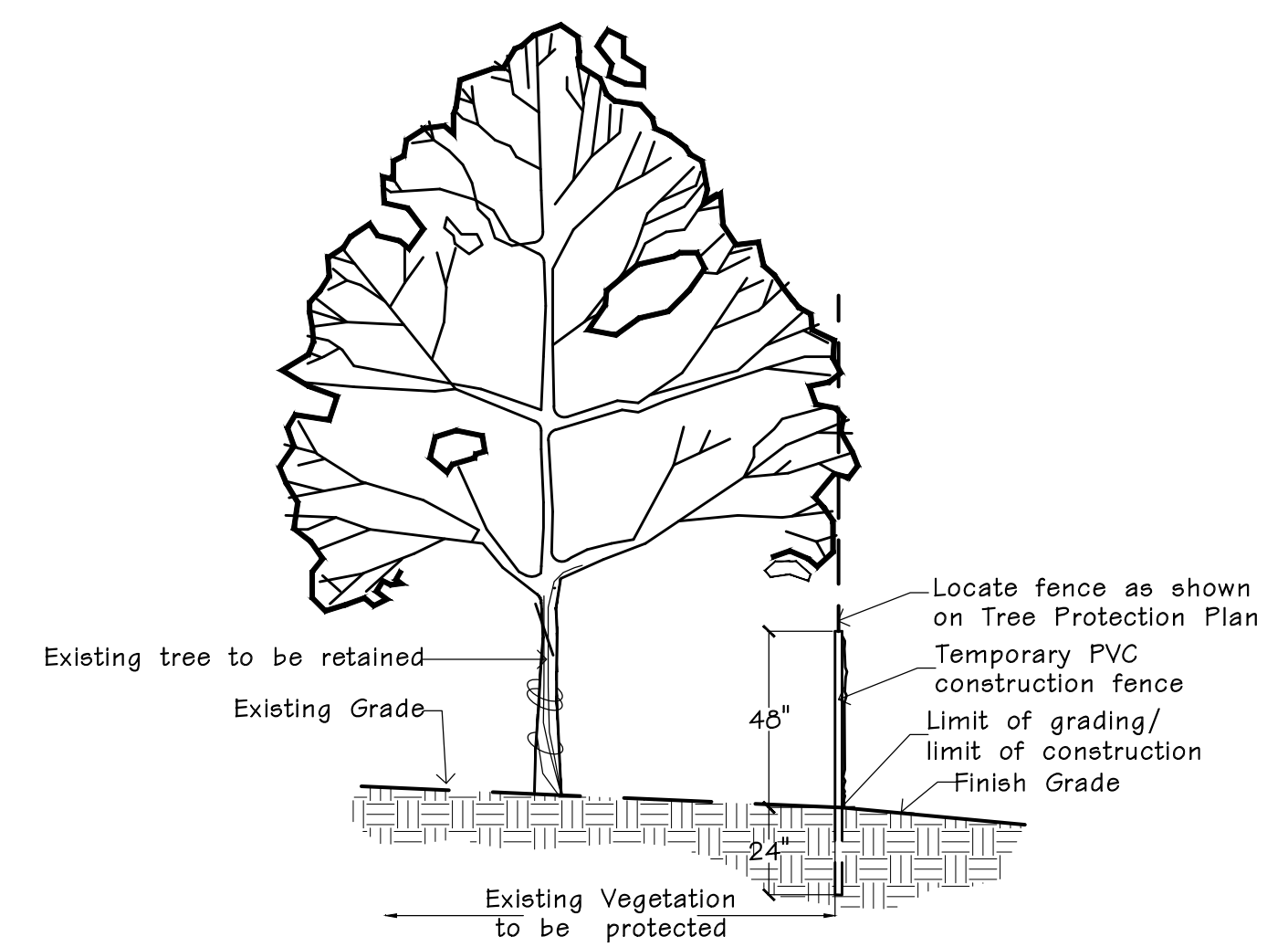
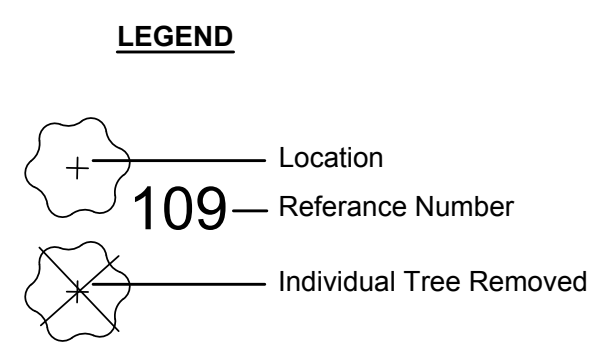
Project Tree ID	Latin Name	Common Name	DBH	Height (ft.)	Canopy Spread (ft.)	Condition	Number of Stems	
1	Gleditsia triacanthos var inermis	honeylocust thornless	26	41-50	41-50	Dead (0)	1	Remove
2	Quercus palustris	oak pin	38	51-60	41-50	Poor (50-59)	1	Remove
3	Morus species	mulberry	12	31-40	31-40	Fair (60-69)	1	Remove
4	Liquidambar styraciflua	sweetgum	26	41-50	31-40	Good (70-79)	1	Remove
5	Liquidambar styraciflua	sweetgum	30	51-60	41-50	Good (70-79)	1	Remove
6	Prunus serotina	cherry black	26	41-50	31-40	Fair (60-69)	1	Remove
7	Betula nigra	birch river	8	21-30	13-20	Fair (60-69)	Multiple Stems	
8	Betula nigra	birch river	6	21-30	13-20	Fair (60-69)	Multiple Stems	
9	Betula nigra	birch river	9	21-30	13-20	Fair (60-69)	1	
10	Betula nigra	birch river	10	21-30	21-30	Fair (60-69)	1	
11	Betula nigra	birch river	10	21-30	21-30	Fair (60-69)	1	
12	Prunus serotina	cherry black	10	21-30	21-30	Poor (50-59)	Multiple Stems	
13	Unmusical rubra	elm slippery	14	31-40	31-40	Fair (60-69)	1	
14	Quercus velutina	oak black	14	31-40	31-40	Fair (60-69)	1	
15	Quercus velutina	oak black	12	31-40	31-40	Fair (60-69)	1	
16	Betula nigra	birch river	10	31-40	21-30	Fair (60-69)	1	
17	Morus species	mulberry	12	31-40	21-30	Fair (60-69)	1	
18	Unmusical rubra	elm slippery	12	31-40	21-30	Fair (60-69)	1	
19	Crataegus phaenopyrum	hawthorn washington	6	20-Nov	13-20	Poor (50-59)	1	
20	Crataegus phaenopyrum	hawthorn washington	6	20-Nov	13-20	Fair (60-69)	1	
21	Unmusical rubra	elm slippery	28	41-50	41-50	Fair (60-69)	1	Remove
22	Juglans nigra	walnut black	42	51-60	41-50	Critical (10-49)	1	Remove
23	Juglans nigra	walnut black	40	51-60	41-50	Critical (10-49)	1	Remove
24	Juglans nigra	walnut black	32	41-50	41-50	Dead (0)	1	Remove

NOTE: These larger trees were located and identified. However, it was determined that none of these met two or more of the criteria to be classified as Monarch trees.

Project Tree ID	Latin Name	Common Name	DBH	Condition
25	Quercus alba	White Oak	28	Monarch
26	Quercus alba	White Oak	28	Monarch
27	Quercus alba	White Oak	28	Monarch
28	Quercus alba	White Oak	28	Monarch
29	Quercus alba	White Oak	28	Monarch

TOTAL SITE AREA = 954,399 SQ. FT. (21.91 AC)
TOTAL EXISTING WOODLANDS & INDIVIDUAL TREES = 195,545 SQ. FT.
PARCEL A: EXISTING WOODLANDS: 84,715 sq ft
WOODLANDS REMAINING: 84,715 sq ft (100%)
0 - sq ft Mitigation Required
PARCEL B: EXISTING WOODLANDS: 4,228 sq ft
WOODLANDS REMAINING: 4,228 sq ft (100%)
0 - Mitigation Required
PARCEL C: EXISTING WOODLANDS: 11,866 sq ft
WOODLANDS REMAINING: 11,866 sq ft (100 %)
0 - Mitigation Required
PARCEL D: EXISTING WOODLANDS: 94,736 sq ft
WOODLANDS REMAINING: 5,406 sq ft (5.7%)
WOODLANDS REMAINING: 89,330 sq ft (94.3%)
PARCEL E: NO EXISTING WOODLANDS: 0 sq ft
NO PRESERVATION REQUIRED

- TREE PROTECTION NOTES:**
- Pre-construction meeting to be held on-site to include a presentation of tree protection measures to operators; construction supervisors; developer's representative; and city zoning inspector.
 - Clearing limits shall be rough staked or marked by the applicant's surveyor in order to facilitate location for trenching and fencing installation.
 - No early maintenance schedule is required. Where noted on plan, contractor to trench and root prune prior to any grading activity. Required siltation devices to be installed along limit of disturbance line.
 - No clearing or grading shall begin in areas where the treatment and preservation measures have not been completed including the installation of tree protection fencing along all "Limit of Disturbance" lines shown on the plan.
 - Tree Protection Fencing shall be 4-foot high temporary plastic construction fence. No equipment traffic/parking, concrete washout, material storage or other such construction activity shall be permitted to penetrate the protection fencing or disrupt the Protected Woodland Area except for the removal of dead or invasive plant material. Any proposed plantings shall be subject to the review and approval of the City Arborist. All ground plane shall be mulched with hardwood bark mulch. Tree Protection Signage will be placed along the Protection Fencing as shown as the dashed line on the plan.
 - Tree protection measures to be maintained throughout construction sequence.



TREE PROTECTION DETAIL
n.t.s.

Douglas A. DeLong, Landscape Architect LA-81

Consultants:

WILDHORSE
Pearl Companies

Chesterfield, Mo.

Revisions:

Date	Description	No.
12/14/18	City Comments	1

Drawn: **BD**
Checked: **DD**

DeLong Architecture, LLC
7620 West Bruno Ave
St. Louis, MO 63117
(314) 346-4856
delong.ia@gmail.com
Missouri State Certificate of Authority: #011300145

Sheet Title: **Tree Protection Plan-6DCP**
Sheet No: **TPP-1**
Date: **10-22-18**
Job #: **174.002**



January 17, 2019

Joseph M. Knight
City Planner
City of Chesterfield

Re: Category Area C – Signage Concept Plan
TR,i Project #: 18-030

To Whom it may concern,

Chesterfield's Unified Development Code requires the development team to submit a Signage Concept Plan for review and approval by the City of Chesterfield. The concepts proposed in this signage plan are intended to be utilized by neighboring Area C sites to promote a consistent approach to signage. It is our intent to create a high quality and unique development that enhances the Chesterfield community. There are two components to our approach to the Signage Concept Plan; building signage and site signage.

The building signage is generally being utilized by our commercial tenants having frontage along streets or internal drives. Our intent is to maintain the flexibility that the Chesterfield Sign Code provides these types of tenants. This flexibility is important to maintain parity with other developments in the marketplace when competing for tenants. All building signage will be constructed of quality industry standard materials and components consistent with the City sign ordinance.

The site signage has been designed to integrate into the landscape, as well as, relate to the building architecture. The dark metal utilized in the signs relates to the proposed building materials, while the use of random boulder bases ties the signage to the landscaping. This approach will aid in facilitating a unified approach to site signage of adjacent developments due to the emphasis on the landscaping rather than the building architecture, as design style is likely to change and evolve as sites are developed over time.

I trust this information meets your needs. Please advise if you have any questions or comments.

Respectfully,

A handwritten signature in dark ink, appearing to read 'Daniel Tate'.

Daniel Tate
Senior Design Architect

Section Area C – Signage Concept Plan

Signage for developments located in Section Area C are to comply with the following criteria and guidelines. Individual sign packages for each site development are to be submitted to the City of Chesterfield for approval.

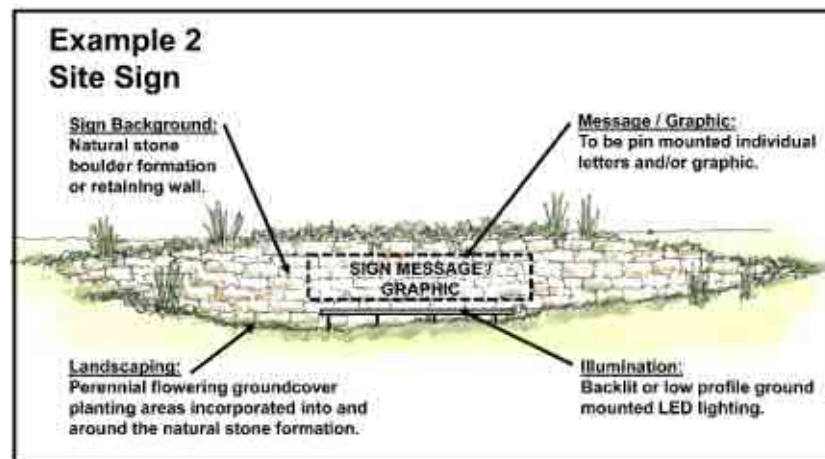
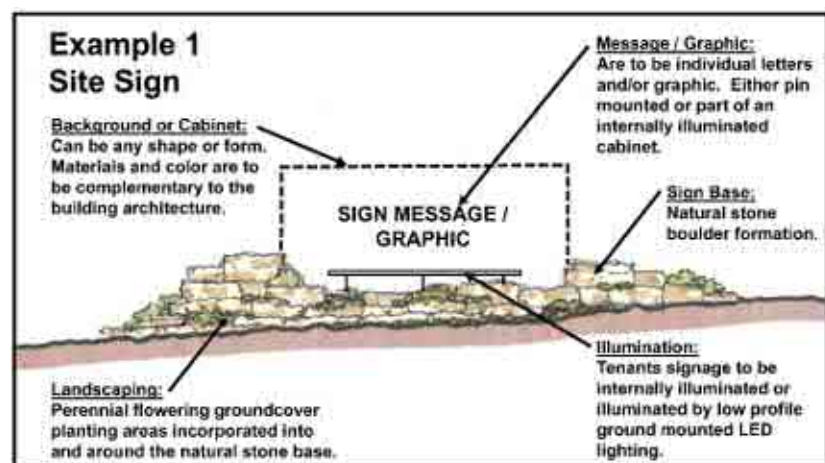
Free Standing Site Signage

Free standing signs are to integrate into the landscape as a common theme throughout Area C. All free standing signs are to utilize large scale natural stone for the base of the sign, or as the background for the sign message. The sign background or cabinet can be any shape or form. The materials and color are to be complementary to the building architecture. The signage message and/or graphic are to be comprised of individual letters or symbols. All text and graphic are to be pin mounted to the sign background or be cut out letters and graphics in an opaque panel integral to the sign cabinet. A sign mounted to a background is to be either to be illuminated by ground mounted LED lighting or be backlit. Signage integral to a sign cabinet is to be internally illuminated. Reference example site sign 1 and 2 for clarification.

Landscaping is an important component of the site signage concept. Perennial flowering groundcover planting areas are to be incorporated into and around the base of each site sign to add color and texture. The types of groundcover planting selected are to be compatible for growth within the USDA Plant Hardiness Zones 6b and 7a. Suggested species of perennial groundcover are as follows by common name:

- Creeping Thyme
- Creeping Phlox
- Sedum
- Campaula
- Portenschlagiana
- Lamb's Ear
- Whitewell Gem Rock Cress

Planting and groundcover are not limited to the list above. All proposed signage landscaping will be review based on merit at the time of submission.

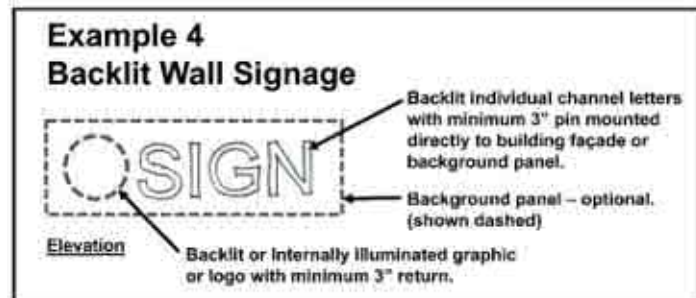
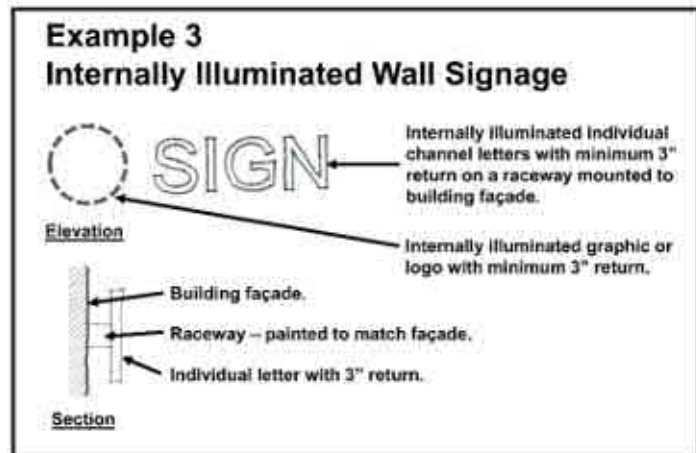


Attached Wall Building Signage

Building wall signs are to be complementary to the building architecture. All wall signage will be constructed of quality industry standard materials and components consistent with the City sign ordinance.

Wall signs are to be internally illuminated individual letters with acrylic translucent face and 3" opaque return. An internally illuminated graphic or logo may be part of an individual tenant sign. Internally illuminated wall signs are to be mounted on a raceway, painted to match the building façade. Reference example 3 for internally illuminated wall signs.

Individual tenants or developments may choose to utilize backlit wall signage. Backlit wall signs are to be individual metal letters with a minimum 3" return. These signs are to be either pin mounted directly to the building façade or mounted to a background panel that is attached to the façade. An internally illuminated or backlit graphic or logo may be part of an individual tenant sign. Reference example 4 for backlit signs.



Cabinet signs and blade signs are allowed within Section Area C pending review and approval by the City of Chesterfield through the Concept Sign Package process. Unique design, superior quality and appropriateness of the proposed cabinet or blade sign will be the primary consideration.



RIALTA® RT4xx

The **RIALTA® RT4xx** luminaire is a cylindrical, three legged, open cage ground mounted luminaire designed to bring ambiance to any project by providing a performance lighting package in a vertical form. The 8" cast aluminum cage cylinder adds a 12" high luminous element that adds visual interest by illuminating from the top casting and giving the effect of moon light from within its cage form. The RT4xx uses one round LED array configuration with a choice of Clear Acrylic or SV2 lens to deliver IES types 5, 4, 3, 3R and 2 distribution with high efficiency and low wattage consumption. A variety of LED color temperatures are available. A choice of several popular polyester powder coat colors are also available.



SternbergLighting

ESTABLISHED 1923 / EMPLOYEE OWNED

PROJECT: _____

TYPE: B1 _____

ORDERING EXAMPLE: BL-RT442-26L45T5-MDL05-CA-FHD/UGMT

RT4__										
MOUNTING CONFIG.	SERIES	HEIGHT (H) IN.	NO. OF LEDS	COLOR TEMP K	DISTRIBUTION TYPE	DRIVER	LENS	CONTROLS	DUAL FUSE & HOLDER	COLOR
BL	Post Top Mounted Luminaire	36	26L	27(00) K	T2	MDL03	CA	O P T I O N S		UGMT
		42		35(00) K	T3	MDL05	SV2	PEC	FHD	UBT
		48		45(00) K	T3R	MDH03		PEC4		ULBT
					T4	MDH05				USLT
					T5					UWHT
										UCHS
										BKT

BL = Bollard

Product Specs

Optical

- IP66 rated optic module.
- Available in IES Types 2, 3, 3R, 4 and 5 distribution.
- Utilizes high output, high brightness LEDs.
- Minimum of 70 CRI, CCT 2700, 3500 and 4500K. Call factory for custom CCT.
- LM-79 and LM-80 tests in accordance with IESNA standards.
- Lumen depreciation rating L70>100,000 hrs. projected per TM-21 guideline using 525mA drive at 25°C ambient.
- RoHS Compliant.

Electrical

- 120-277 volt and 347-480 volt available.
- Minimum drivers power factor: >0.9.
- Electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
- UL listed in U.S. and Canada.

Mechanical

- Cast aluminum heat sink, cylindrical lens and twist lock housing.
- Spun aluminum heat sink cover.
- Twist-lock housing installs on 8" OD welded tenon.
- Pole door driver access and removeable driver tray.

Controls

- Supplied with dimmable driver.
- **PEC:** Optional electronic button photocell (120v-277v).
- **PEC4:** Optional electronic button photocell (480v).

Finish

- Durable, color retentive powder coat finish.

Warranty & Standards

LED Systems and Drivers - 7 years.

All fixtures shall be free from defects in materials and workmanship for a period of 7 years from the date of manufacture. The luminaire manufacturer shall warrant the LED boards/system, during the stated warranty period, against failure defined as more than 10 percent of non-operating LEDs.

Housing

Housing shall consist of 0.188" wall extruded aluminum and A360 cast top and bottom lens retaining assemblies. Minimum height overall with shaft is 36".

Drivers:

MDL03: 350mA, 120-277V
MDL05: 525mA, 120-277V
MDH03: 350mA, 347-480V
MDH05: 525mA, 347-480V

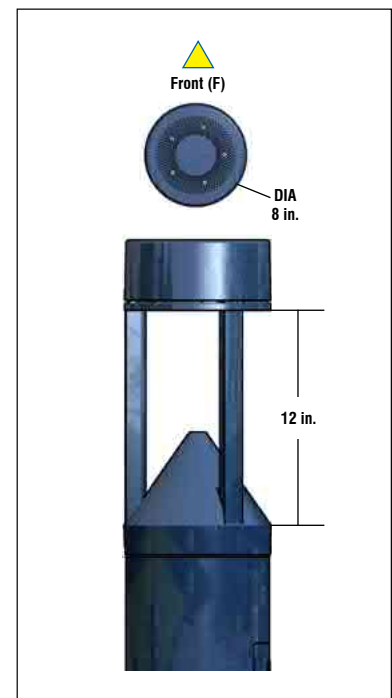
Lens:

CA - Clear Flat Acrylic
SV2 - Flat heavy diffuse acrylic

Colors:

UGMT - Urban Gun Metal Textured
UBT - Urban Bronze Textured
ULBT - Urban Light Bronze Textured
USLT - Urban Silver Textured
UWHT - Urban White Textured
UCHS - Urban Champagne Satin Smooth
UGM - Urban Gun Metal Matte
UB - Urban Bronze Matte
ULB - Urban Light Bronze Matte
USL - Urban Silver Matte
UWH - Urban White Matte
BKT - Black Textured

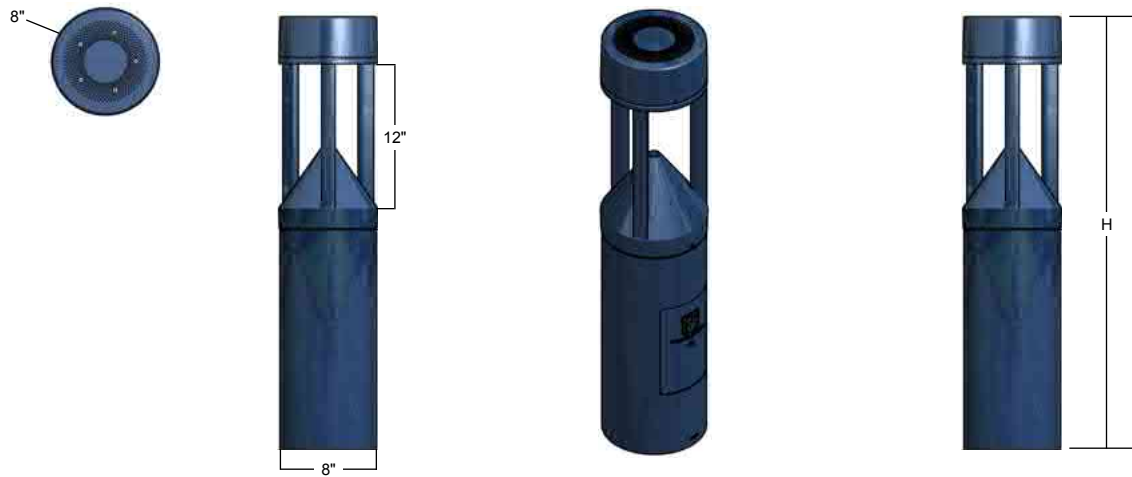
Distribution Orientation:



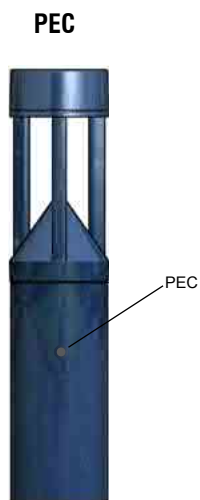
Performance

MODEL #	T3 DELIVERED LUMENS	EFFICACY (LPW)	T3R DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
RT436CA-26L27T_-MD_03	1995	64.5	2130	68.8	2160	69.7	2095	67.6	31
RT436CA-26L35T_-MD_03	2280	73.6	2430	78.5	2465	79.6	2390	77.1	31
RT436CA-26L45T_-MD_03	2560	82.6	2735	88.2	2770	89.4	2685	86.7	31
RT436CA-26L27T_-MD_05	2825	60.2	3010	64.0	2955	62.9	2980	63.4	47
RT436CA-26L35T_-MD_05	3225	68.7	3435	73.1	3375	71.8	3400	72.4	47
RT436CA-26L45T_-MD_05	3625	77.1	3855	82.1	3790	80.7	3820	81.3	47

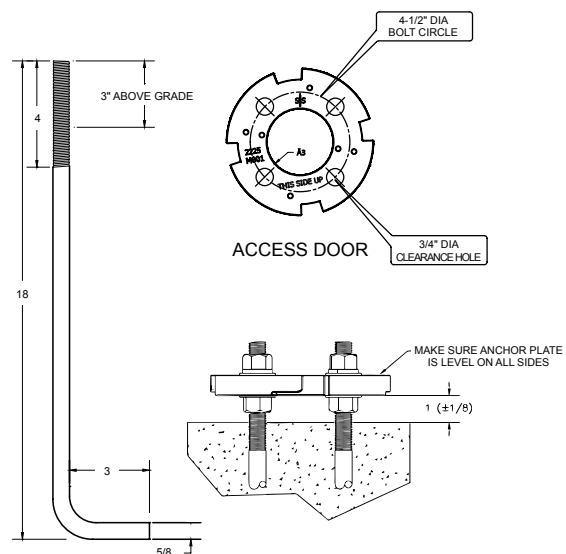
Product Dimensions and Features



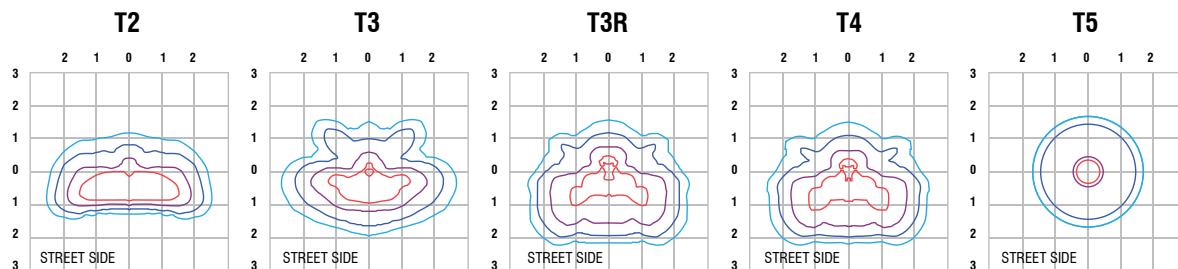
Options



Bolt Circle

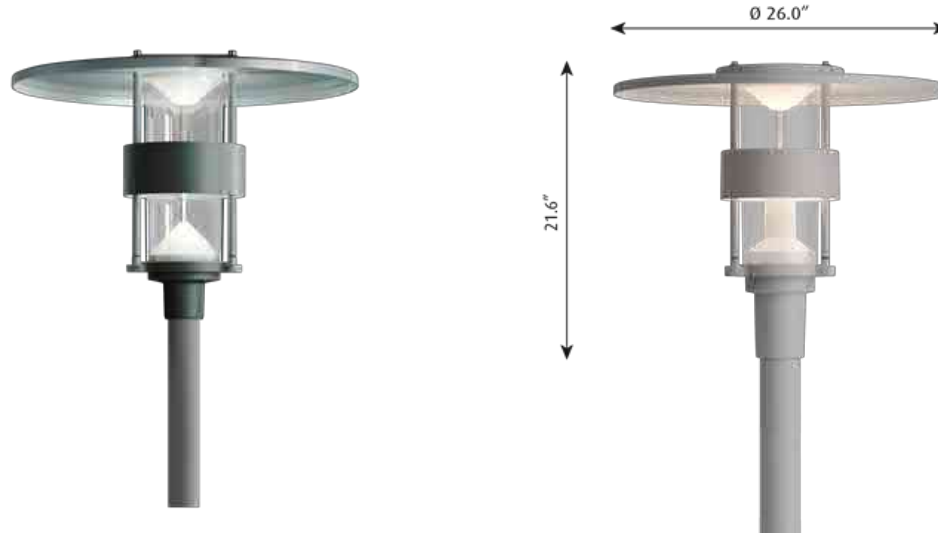


ISO Footcandle Plots



All published luminaire photometric testing performed to IESNA LM-79 standards by NVLAP, certified laboratory. ISO footcandle plots demonstrate the RIALTA's light patterns only. Not for total fixture output. For complete specifications and IES files, see website.

Albertslund Mini Post



The design is based on an anti-glare ring, conical reflectors and a circular top shade, which serves as the primary reflector.

Terse design

Different colour variants.

Part of a product family.

US: Mounting tenon of die-cast aluminum, 4mm (0.18") thickness for T-DRA-5"-3" or T-RSA-4.5" poles.

Light description

The fixture emits symmetrical glare-free light directed downwards.

The top shade helps direct the light downwards and prevent light from being emitted upwards.

The white painted reflectors result in diffuse and comfortable light distribution.

The reflector ring protects against direct glare and does also serves as a heat sink.

Provides a high level of vertical light for people to feel safe and comfortable.

Two LEDs ensures a good balance between the uplight and downlight.

The fixture design is identifiable when the light is on.

LED technology with more options of standard CCTs.

Electronic dimmable driver

Design

Jens Møller-Jensen

Mounting

EU: Aluminium coloured with textured surface, graphite with textured surface or grey, powder coated.

US: Aluminium coloured, grey, graphite grey, or white, powder coated.

Top shade: High pressure moulded fiber glass, 3mm (0. 12") thick. Lower surfaces with high-reflectance white finish.

Enclosure: Injection moulded clear polycarbonate, U. V. stabilized, 3mm (0. 12") thick.

Heat sink: Die-cast aluminium, 6mm (0. 24") thickness typical, includes hidden fins for thermal transfer to atmosphere.

Console: Die-cast aluminium, 3mm (0. 12") thick.

Struts: Stainless steel.

Inside reflectors of white polycarbonate, 2mm (0. 08") thick.

Lower LED cover of opal polycarbonate, 2mm (0. 08") thick.

Driver inside the fixture head.

Weight

Min: 22 lbs Max: 22 lbs

Finish

Graph, Grey, Nat paint alu, Wht

Voltage

120-277V/60HZ

Finish

Graphite grey, grey, white or natural painted aluminum, powder coated.

Materials

Top shade: Die formed fiber glass. Enclosure: Injection molded clear U.V. stabilized polycarbonate. Heat sink: Die cast aluminum. Base: Die cast aluminum. Struts: Aluminum.

Mounting

Post top: Mounted on dual round aluminum (DRA) or round straight aluminum (RSA) pole.

Sizes and weight

Width x Height x Length (in.)
26 x 19.3 x 26 Max 22.0 lbs

Compliance

cULus, Wet location.

Specification notes

a. Surge protector only available with T-RSA-4.5 transition to pole. b. Consult factory for product specifications for Photo Sensor and Wireless Control options.

Light source

Light source 57W LED/3000K

Light source	Voltage frequency	Color	Class	Transition to pole	Lighting control	Variant number
42W LED/4000K	120-277V/60HZ	Graph	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108764
57W LED/3000K	120-277V/60HZ	Graph	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108771
57W LED/3000K	120-277V/60HZ	Graph	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108762
57W LED/3000K	120-277V/60HZ	Grey	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108773
57W LED/3000K	120-277V/60HZ	Grey	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108765
57W LED/3000K	120-277V/60HZ	Nat paint alu	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108760
57W LED/3000K	120-277V/60HZ	Nat paint alu	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108769
57W LED/3000K	120-277V/60HZ	Wht	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108775
57W LED/3000K	120-277V/60HZ	Wht	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108767
57W LED/4000K	120-277V/60HZ	Graph	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108772
57W LED/4000K	120-277V/60HZ	Grey	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108774
57W LED/4000K	120-277V/60HZ	Grey	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108766
57W LED/4000K	120-277V/60HZ	Nat paint alu	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108770
57W LED/4000K	120-277V/60HZ	Nat paint alu	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108761
57W LED/4000K	120-277V/60HZ	Wht	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108776
57W LED/4000K	120-277V/60HZ	Wht	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108768

Spareparts & accessories

ALB. MINI, POLYCARBON. DIFF.
5747291096

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Catalog #	GLEON-AF-01-LED-E1-SL3-HSS	Type
Project		F2
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. **QUICK MOUNT ARM:** Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty

Five-year warranty.



GLEON GALLEON LED

1-10 Light Squares

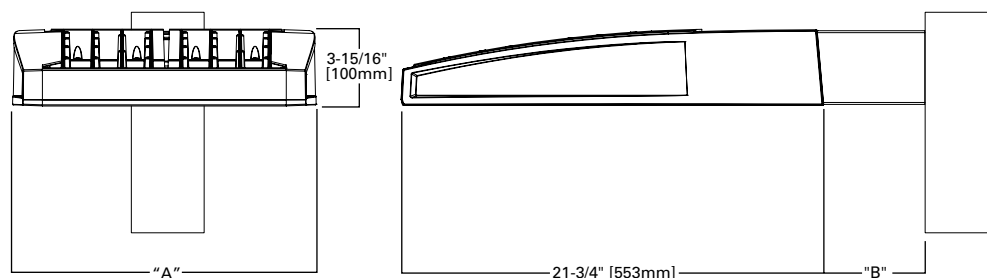
Solid State LED

AREA/SITE LUMINAIRE



LumenSafe Technology
[CLICK HERE](#)

DIMENSIONS



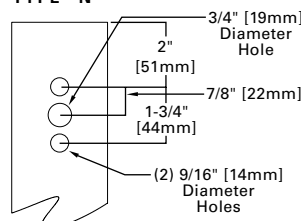
DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length ¹	Weight with Arm (lbs.)	EPA with Arm ² (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

DRILLING PATTERN

TYPE "N"



CERTIFICATION DATA

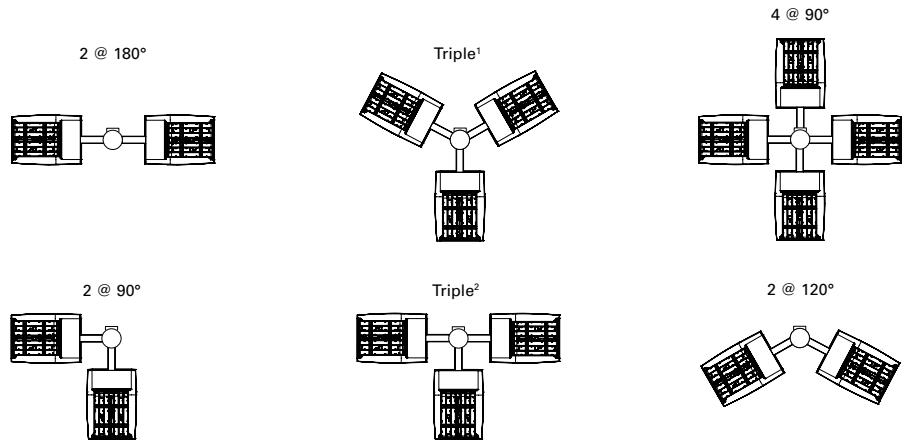
UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
IP66 Rated
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

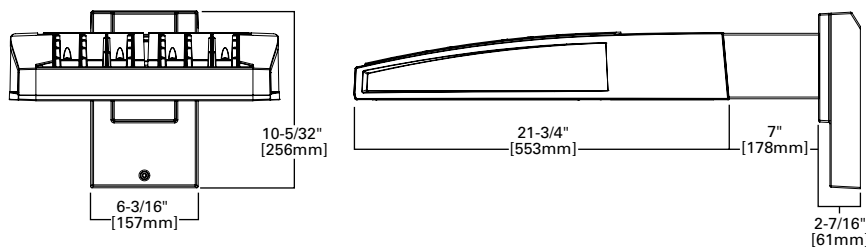
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

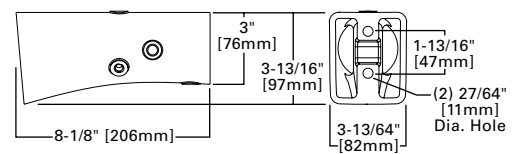


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

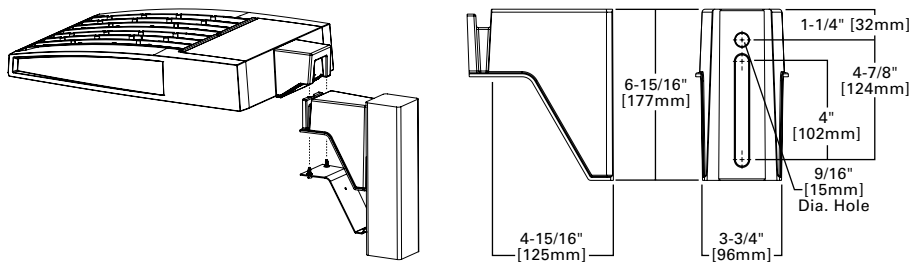
STANDARD WALL MOUNT



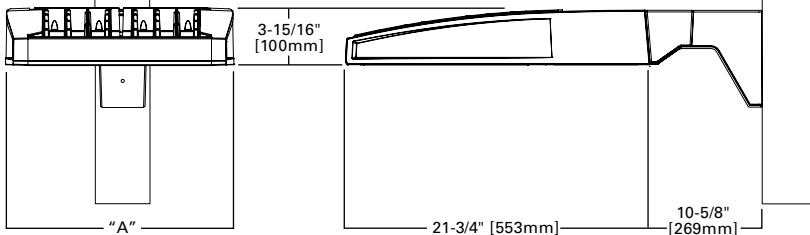
MAST ARM MOUNT



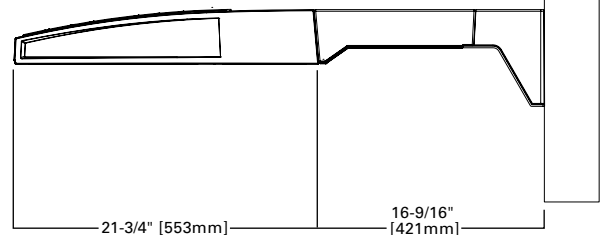
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

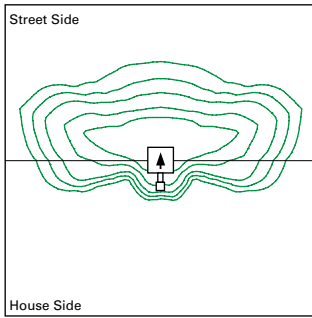


QUICK MOUNT ARM DATA

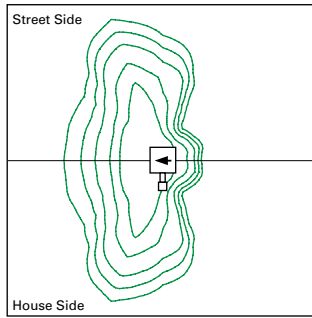
Number of Light Squares ^{1,2}	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 ³	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.

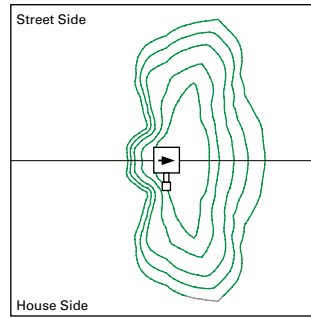
OPTIC ORIENTATION



Standard



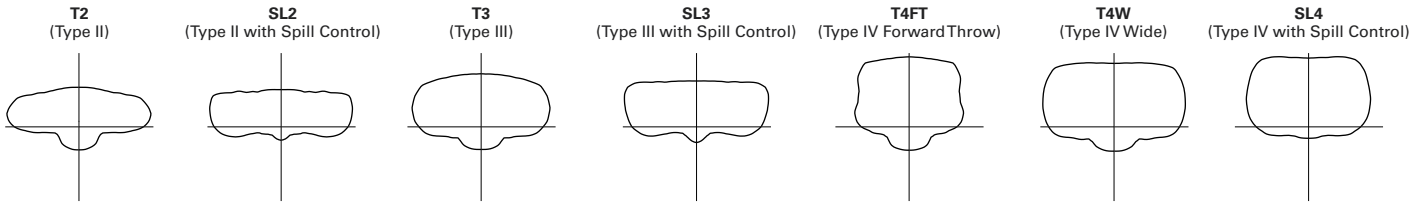
Optics Rotated Left @ 90° [L90]



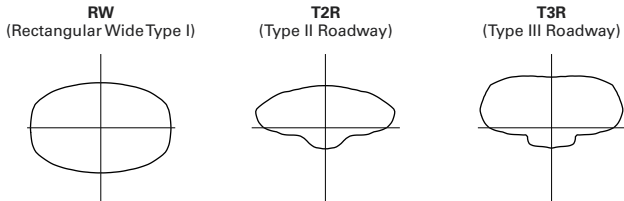
Optics Rotated Right @ 90° [R90]

OPTICAL DISTRIBUTIONS

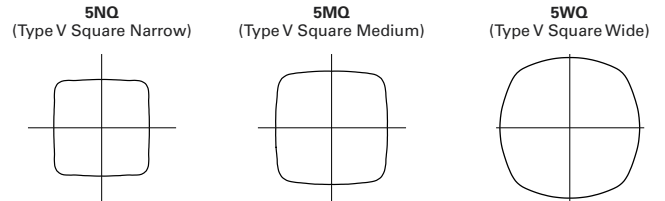
Asymmetric Area Distributions



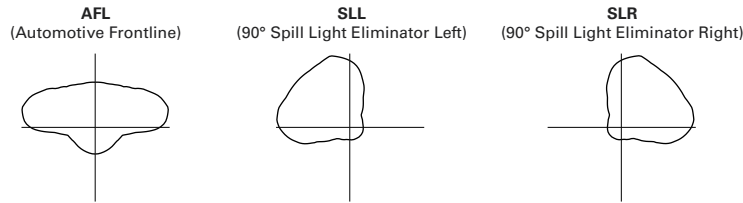
Asymmetric Roadway Distributions



Symmetric Distributions



Specialized Distributions

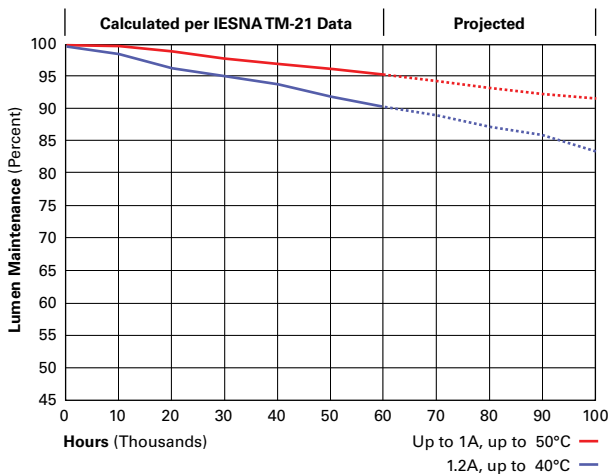


LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



NOMINAL POWER LUMENS (1.2A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		67	129	191	258	320	382	448	511	575	640
Input Current @ 120V (A)		0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Current @ 208V (A)		0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Current @ 240V (A)		0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Current @ 277V (A)		0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Current @ 347V (A)		0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Current @ 480V (A)		0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics											
T2	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
	3000K Lumens	6,053	11,829	17,650	23,321	28,895	34,578	40,893	46,334	51,685	57,225
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
	3000K Lumens	6,188	12,092	18,042	23,839	29,537	35,346	41,802	47,364	52,834	58,495
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
	3000K Lumens	6,088	11,897	17,753	23,457	29,063	34,779	41,130	46,602	51,984	57,556
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,837	13,361	19,936	26,342	32,639	39,057	46,189	52,336	58,380	64,636
	3000K Lumens	6,052	11,827	17,647	23,318	28,892	34,573	40,887	46,328	51,678	57,216
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
	3000K Lumens	5,750	11,238	16,768	22,156	27,451	32,850	38,848	44,018	49,102	54,364
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
	3000K Lumens	6,242	12,199	18,203	24,052	29,799	35,660	42,172	47,784	53,302	59,015
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
	3000K Lumens	6,358	12,423	18,538	24,494	30,348	36,317	42,948	48,664	54,283	60,102
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
	3000K Lumens	6,374	12,457	18,587	24,559	30,429	36,414	43,063	48,793	54,428	60,262
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
	3000K Lumens	5,319	10,393	15,508	20,491	25,388	30,381	35,929	40,710	45,412	50,278
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
RW	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
	3000K Lumens	6,187	12,089	18,039	23,834	29,530	35,338	41,791	47,353	52,822	58,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics											
T2	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
	3000K Lumens	5,414	10,579	15,786	20,858	25,843	30,926	36,574	41,440	46,226	51,180
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
	3000K Lumens	5,748	11,231	16,759	22,143	27,436	32,832	38,828	43,994	49,075	54,334
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
	3000K Lumens	5,518	10,783	16,089	21,260	26,340	31,521	37,277	42,237	47,115	52,165
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
	3000K Lumens	5,640	11,023	16,447	21,732	26,926	32,221	38,106	43,177	48,163	53,324
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
	3000K Lumens	5,550	10,845	16,183	21,383	26,493	31,703	37,494	42,483	47,388	52,467
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
	3000K Lumens	5,479	10,706	15,973	21,107	26,151	31,294	37,009	41,934	46,777	51,790
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	41,369	46,145	51,091
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,233	12,180	18,174	24,013	29,753	35,604	42,106	47,708	53,218	58,921
	3000K Lumens	5,517	10,782	16,088	21,256	26,337	31,517	37,272	42,231	47,109	52,157
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
	3000K Lumens	5,242	10,244	15,286	20,197	25,024	29,945	35,413	40,126	44,761	49,557
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,429	12,563	18,746	24,768	30,688	36,723	43,429	49,208	54,891	60,775
	3000K Lumens	5,691	11,121	16,594	21,925	27,165	32,507	38,443	43,559	48,590	53,798
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
	3000K Lumens	5,810	11,355	16,944	22,388	27,739	33,194	39,256	44,480	49,616	54,934
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
	3000K Lumens	4,849	9,474	14,137	18,679	23,144	27,694	32,753	37,111	41,396	45,833
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
	3000K Lumens	5,640	11,020	16,443	21,726	26,920	32,214	38,096	43,166	48,151	53,311
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
	3000K Lumens	5,660	11,060	16,504	21,806	27,017	32,331	38,235	43,323	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (800MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		44	85	124	171	210	249	295	334	374	419
Input Current @ 120V (A)		0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
Input Current @ 208V (A)		0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
Input Current @ 240V (A)		0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
Input Current @ 277V (A)		0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
Input Current @ 347V (A)		0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
Input Current @ 480V (A)		0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
Optics											
T2	4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3	4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
	3000K Lumens	4,458	8,711	12,997	17,174	21,279	25,464	30,114	34,121	38,061	42,140
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	4,784	9,350	13,951	18,434	22,840	27,332	32,323	36,624	40,854	45,232
	3000K Lumens	4,235	8,277	12,349	16,318	20,218	24,194	28,612	32,420	36,164	40,039
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	5,194	10,150	15,145	20,011	24,794	29,670	35,088	39,757	44,349	49,102
	3000K Lumens	4,598	8,985	13,406	17,714	21,948	26,264	31,060	35,193	39,258	43,465
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	5,290	10,337	15,424	20,380	25,250	30,217	35,734	40,489	45,165	50,006
	3000K Lumens	4,683	9,150	13,653	18,040	22,351	26,748	31,632	35,841	39,980	44,265
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	5,304	10,365	15,465	20,434	25,318	30,297	35,830	40,597	45,286	50,139
	3000K Lumens	4,695	9,175	13,690	18,088	22,411	26,819	31,717	35,936	40,087	44,383
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	4,426	8,648	12,903	17,049	21,124	25,278	29,894	33,872	37,784	41,832
	3000K Lumens	3,918	7,655	11,422	15,092	18,699	22,376	26,462	29,983	33,446	37,030
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	5,147	10,058	15,009	19,830	24,570	29,402	34,771	39,399	43,949	48,658
	3000K Lumens	4,556	8,903	13,286	17,554	21,749	26,027	30,779	34,876	38,904	43,072
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
AFL	4000K/5000K Lumens	5,166	10,095	15,063	19,903	24,659	29,509	34,898	39,542	44,108	48,835
	3000K Lumens	4,573	8,936	13,334	17,618	21,828	26,121	30,892	35,003	39,044	43,229
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (600MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		34	66	96	129	162	193	226	257	290	323
Input Current @ 120V (A)		0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
Input Current @ 208V (A)		0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
Input Current @ 240V (A)		0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
Input Current @ 277V (A)		0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
Input Current @ 347V (A)		0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
Input Current @ 480V (A)		0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
Optics											
T2	4000K/5000K Lumens	4,029	7,874	11,749	15,525	19,235	23,019	27,222	30,844	34,406	38,093
	3000K Lumens	3,566	6,970	10,400	13,743	17,027	20,376	24,097	27,303	30,456	33,720
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	4000K/5000K Lumens	4,278	8,360	12,474	16,482	20,421	24,437	28,900	32,745	36,527	40,441
	3000K Lumens	3,787	7,400	11,042	14,590	18,077	21,632	25,582	28,986	32,334	35,798
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	4000K/5000K Lumens	4,107	8,026	11,976	15,824	19,605	23,461	27,746	31,438	35,068	38,827
	3000K Lumens	3,636	7,105	10,601	14,007	17,354	20,768	24,561	27,829	31,042	34,370
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T3R	4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
	3000K Lumens	3,716	7,263	10,837	14,318	17,740	21,229	25,107	28,448	31,733	35,133
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	4,131	8,072	12,045	15,915	19,719	23,597	27,907	31,620	35,272	39,052
	3000K Lumens	3,657	7,145	10,662	14,088	17,455	20,888	24,703	27,990	31,223	34,569
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	4,077	7,968	11,889	15,710	19,465	23,292	27,546	31,212	34,816	38,547
	3000K Lumens	3,609	7,053	10,524	13,906	17,230	20,618	24,384	27,629	30,819	34,122
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL2	4000K/5000K Lumens	4,022	7,861	11,729	15,498	19,202	22,979	27,175	30,791	34,347	38,028
	3000K Lumens	3,560	6,959	10,383	13,719	16,998	20,341	24,055	27,256	30,404	33,662
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL3	4000K/5000K Lumens	4,106	8,025	11,974	15,821	19,603	23,458	27,742	31,433	35,064	38,821
	3000K Lumens	3,635	7,104	10,599	14,005	17,353	20,765	24,557	27,824	31,039	34,364
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	3,902	7,624	11,377	15,033	18,626	22,289	26,359	29,867	33,316	36,886
	3000K Lumens	3,454	6,749	10,071	13,307	16,488	19,730	23,333	26,438	29,491	32,651
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	40,042
	3000K Lumens	3,750	7,327	10,933	14,446	17,898	21,418	25,329	28,700	32,014	35,445
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	4,314	8,429	12,578	16,619	20,591	24,641	29,141	33,019	36,832	40,779
	3000K Lumens	3,819	7,461	11,134	14,711	18,227	21,812	25,796	29,228	32,604	36,098
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	4,325	8,452	12,611	16,664	20,646	24,707	29,219	33,106	36,930	40,888
	3000K Lumens	3,828	7,482	11,163	14,751	18,276	21,871	25,865	29,305	32,690	36,194
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	3,609	7,052	10,522	13,903	17,226	20,613	24,378	27,622	30,812	34,114
	3000K Lumens	3,195	6,242	9,314	12,307	15,248	18,247	21,579	24,451	27,275	30,198
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	4,197	8,202	12,239	16,171	20,036	23,977	28,356	32,129	35,839	39,680
	3000K Lumens	3,715	7,260	10,834	14,315	17,736	21,224	25,101	28,441	31,725	35,125
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	4000K/5000K Lumens	4,213	8,232	12,284	16,230	20,109	24,064	28,459	32,246	35,969	39,824
	3000K Lumens	3,729	7,287	10,874	14,367	17,800	21,301	25,192	28,544	31,840	35,252
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

CONTROL OPTIONS

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

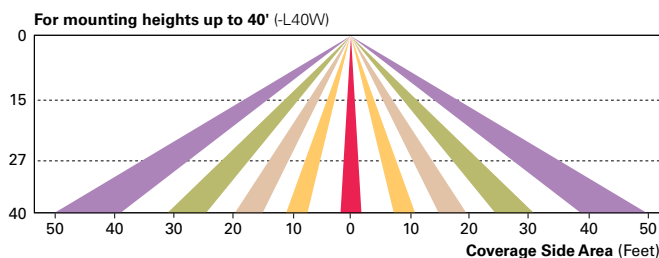
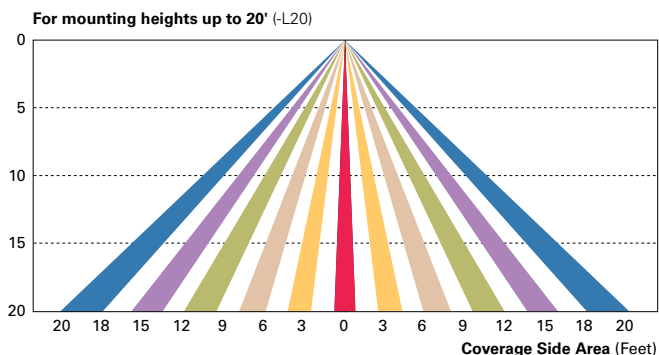
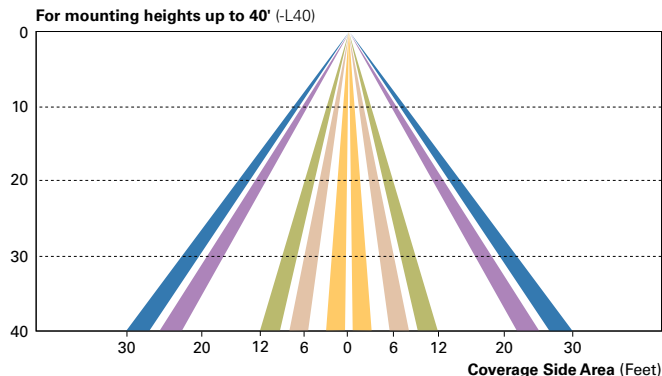
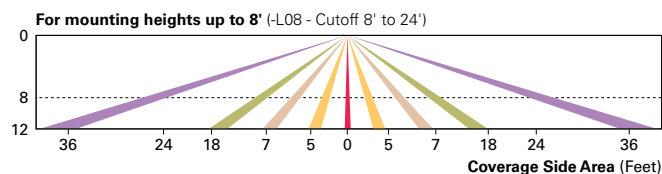
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

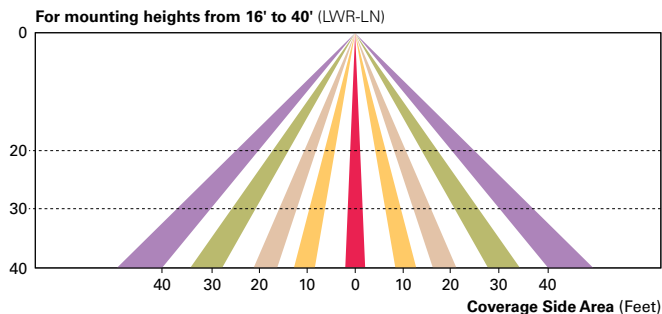
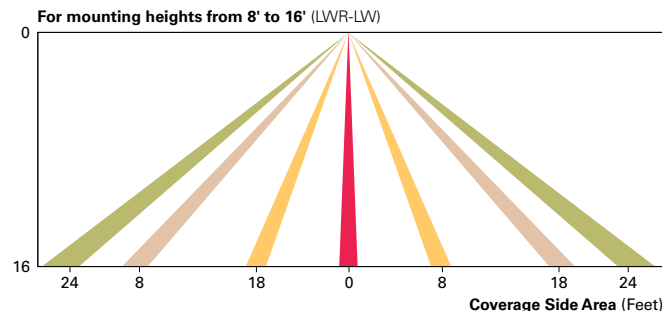
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.



LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)

Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family ^{1,2}	Light Engine	Number of Light Squares ³	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AF=1A Drive Current	01=1 02=2 03=3 04=4 05=5 ⁴ 06=6 07=7 ⁵ 08=8 ⁵ 09=9 ⁶ 10=10 ⁶	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁷ 480=480V ^{7,8}	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm ⁹ MA=Mast Arm Adapter ¹⁰ WM=Wall Mount QM=Quick Mount Arm (Standard Length) ¹¹ QMEA=Quick Mount Arm (Extended Length) ¹²
Options (Add as Suffix)					Accessories (Order Separately)		
7030=70 CRI 3000K¹³ 8030=80 CRI 3000K¹⁴ 7050=70 CRI 5000K¹³ 7060=70 CRI 6000K¹³ 600=Drive Current Factory Set to Nominal 600mA¹⁵ 800=Drive Current Factory Set to Nominal 800mA¹⁵ 1200=Drive Current Factory Set to Nominal 1200mA^{15,16} F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) 2L=Two Circuits^{17,18} DIM=External 0-10V Dimming Leads^{19,20} P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Volatage)²¹ PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle²¹ R=NEMA Twistlock Photocontrol Receptacle²¹ AHD145=After Hours Dim, 5 Hours²² AHD245=After Hours Dim, 6 Hours²² AHD255=After Hours Dim, 7 Hours²² AHD355=After Hours Dim, 8 Hours²² HA=50°C High Ambient²³ MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height^{24,25} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height^{24,26} MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height^{24,27} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range)^{24,28} MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height^{24,25,29} MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height^{24,26,29} MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height^{22,27,29} MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range)^{24,28,29} MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height^{24,25} MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height^{24,26} MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height^{24,27} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range)^{24,28} LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height^{30,(A)} LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height^{30,(A)} WOLC-7P-10A=WaveLinx Wireless Outdoor Lighting Control Module^(B) L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing³¹ HSS=Factory Installed House Side Shield³² CE=CE Marking³³					OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor³⁴ GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit¹⁰ GLEON-QMEA=Quick Mount Extended Arm Kit¹¹ LS/HSS=Field Installed House Side Shield^{32,33} WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin)^{35,(B)}		

NOTES:
1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 14 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. 25 Approximately 100' detection diameter at 40' mounting height. 26 Approximately 40' detection diameter at 20' mounting height. 27 Approximately 60' detection diameter at 40' mounting height. 28 Approximately 100' detection diameter at 40' mounting height. 29 Replace X with number of Light Squares operating in low output mode. 30 LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. 31 Not available with house side shield (HSS). 32 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 33 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 34 One required for each Light Square. 35 Requires 7-pin NEMA twistlock photocontrol receptacle.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology* 	D=Dome Camera	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

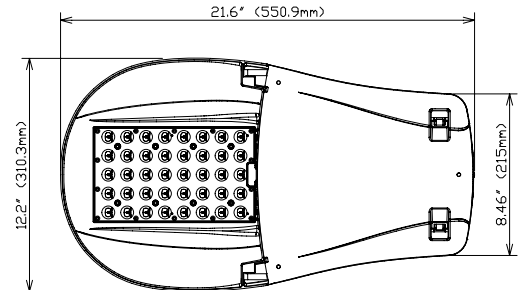
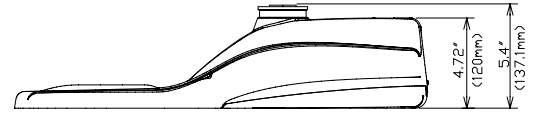
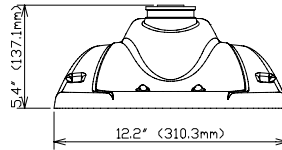
*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.

GreenCobra™ Midsize LED Street Light

GCM H-Series Specification Data Sheet

Luminaire Data

Weight 10 lbs [4.6 kg]
EPA 0.44 ft²



Ordering Information

Sample Catalog No. GCM2 30H MV NW 2R GY 700 PCR7 WL

Product	LED Code	Voltage	Color Temperature	Distribution	Finish ¹	30H Drive Current Code ²	Options
GCM2	30H	MV 120-277V HV 347-480V	WW 3000K NW 4000K CW 5000K	2S Type 2 Short 2R Type 2 Medium 3R Type 3 Medium 4 Type 4 5 Type 5	GY Gray DB Dark Bronze BK Black	530 610 700 850 1A	FDC ³ Fixed Drive Current FFA ⁴ Full field Adjustability LPCR Less Photocontrol Receptacle PCR7 ⁵ ANSI 7-wire Photo-control Receptacle PCR7-CR ⁶ Control Ready 7-wire PC Receptacle WL Utility Wattage Label 4B 4-Bolt Mounting Bracket RWG Rubber Wildlife Guard SWTB Straight Wire Terminal Block BBL Bubble Level CF ⁷ Coastal Paint Finish
GCM2	40H					40H Drive Current Code ² 575 700 850 950 1A	

Notes:

- Gray, Black, and Dark Bronze standard. Consult factory for other finishes.
- Specified drive current code is the factory set maximum drive current. Field adjustable current selector enables standard dimming to lower wattage drive currents only. Consult factory if wattage limits require a special drive current.
- Non-field adjustable, fixed drive current. Specify required drive current. Not available with PCR7-CR option.
- The FFA option enables full field adjustability from the specified drive current code to all drive currents available. This option is not DLC qualified.
- Field adjustable current selector included to enable standard dimming to lower wattage drive currents only. Field changeable connectors included to enable connection to PCR7 (wireless node dimming is disabled by default).
- Control-ready wired at factory for wireless node dimming. Supplied at maximum drive current. If a lower drive current is required, consult factory.
- Specify the CF Option for coastal installation. See warranty for details.
- Flush mounted house side shield. Shield cuts light off at 1/2 mounting height behind luminaire.
- Flush mounted cul-de-sac shield. Shield cuts light off at 1/2 mounting height behind luminaire and 1-1/2 mounting height on either side of luminaire.
- Flush mounted front side shield cuts light off at approximately one mounting height in front of luminaire (street side).
- Specify Color (GY, DB, BK)
- Specify MV (120-277V) or HV (347V-480V)

Accessories*

HSSGCM ⁸	House Side Shield, Snap-On*
CSSGCM ⁹	Cul-De-Sac Side Shield, Snap-On*
FSSGCM ¹⁰	Front Side Shield, Snap-On*
SPB ¹¹	Square Pole Horizontal Arm Bracket
RPB ¹¹	Round Pole Horizontal Arm Bracket
PTB ¹¹	Pole Top Tenon Horizontal Arm Bracket
PTB2 ¹¹	Pole Top Tenon Horizontal Arm Bracket (2@180°)
WB ¹¹	Wall Horizontal Arm Bracket
BSK	Bird Deterrent Spider Kit
LLPC ¹²	Long-Life Twist Lock Photocontrol
SC	Twist Lock Shorting Cap

*Accessories are ordered separately and not to be included in the catalog number. For factory installed HSS, CSS, and FSS consult factory.

Luminaire Specifications

Housing

Die cast aluminum housing with universal two-bolt slip fitter mounts to 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter mast arm. One-piece aluminum housing provides passive heat-sinking of the LEDs and has upper surfaces that shed precipitation. Four-bolt mounting bracket is available. Mounting provisions meet 3G vibration per ANSI C136.31-2010 Normal Application, Bridge & Overpass. Mounting has leveling adjustment from $\pm 5^\circ$ in 2.5° steps. Electrical components are accessed without tools via a high-strength, non-conductive polycarbonate door with quick-release latches. Polycarbonate material meets UL 746C for outdoor usage. Available rubber wildlife guard (RWG option) conforms to mast arm with no gaps.

Light Emitting Diodes

High-flux/High-power white LEDs produce a minimum of 90% of initial intensity over 75,000 hours of life based on IES TM-21 (L90 $\geq$ 75k hours). LEDs are tested in accordance with IES LM-80 testing procedures. LEDs have correlated color temperature of 3000K (WW), 4000K (NW), or 5000K (CW) and 70 CRI minimum. LEDs are 100% mercury and lead free.

Field Adjustability

LED drive current can be changed in the field to adjust light output for local conditions (not available with PCR7-CR option). The specified drive current code will be the factory set maximum drive current and field adjustments can only be made to available lower wattage drive currents. Select the FFA option if full field adjustability to all available drive currents (1A max) is desired. The FFA option is not DLC qualified.

Quality Control

Every luminaire is performance tested before and after a 2-hour burn-in period. Assembled in the USA.

Optical Systems

Micro-lens optical systems produce IESNA Type 2, Type 3, Type 4, or Type 5 distributions and are fully sealed to maintain an IP66 rating. Luminaire produces 0% total lumens above 90° (BUG Rating, U=0). Optional house side shield cuts light off at 1/2 mounting height behind luminaire. Cul-de-sac shield provides back and side light control for end of cul-de-sac applications. Both shields are field installable without tools.

Electrical

Rated life of electrical components is 100,000 hours. Uses isolated power supply that is 1-10V dimmable. Power supply is wired with quick-disconnect terminals. Power supply features a minimum power factor of .90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Terminal block accommodates 6 to 14 gauge wire. Surge protection complies with IEEE/ANSI C62.41 Category C High, 20kV/10kA and ANSI C136.2-2015, 20kV/10kA.

Controls

3-Wire photocontrol receptacle is standard. ANSI C136.41 7-wire (PCR7) photocontrol receptacle is available. All photocontrol receptacles have tool-less rotatable bases. Wireless control module is provided by others.

Finish

Housing receives a durable, fade-resistant polyester powder coat finish with 3.0 mil nominal thickness. Standard finish tested to withstand 5000 hours in salt spray exposure per ASTM B117 and Coastal Finish per ASTM G85. Finish meets scribe creepage rating 8 per ASTM D1654. Finish tested 500 hours in UV exposure per ASTM G154 and meets ASTM D523 gloss retention.

Listings/Ratings/Labels

Luminaires are UL listed for use in wet locations in the United States and Canada. DesignLights Consortium™ qualified product. Consult DLC QPL for Standard and Premium Classification Listings. International Dark Sky Association listed. Luminaire is qualified to operate at ambient temperatures of -40°C to 40°C.

Photometry

Luminaire photometrics are tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Warranty

10-year limited warranty is standard on luminaire and components.

Vandal Resistance

Housing and optics rated to IK10

Standards

Luminaire complies with:
ANSI: C136.2, C136.3, C136.10, C136.13, C136.15, C136.22, C136.31, C136.35, C136.37, C136.41, C62.41, C78.377, C82.77
Other: FCC 47 CFR, IEC 60598, ROHS II, UL 1449, UL 1598

Performance Data: 3000K (WW)

All data nominal. IES files for all CCTs available at leotek.com.

Product	LED Code	Drive Current Code	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)
GCM2	30H	530	48	5770	120
		610	58	6700	116
		700	68	7620	112
		850	82	8800	107
		1A	101	10480	104
	40H	575	73	8780	120
		700	88	10230	116
		850	107	11960	112
		950	121	13040	108
		1A	135	14080	104

Notes:

1 Nominal lumens. Normal tolerance $\pm 10\%$ due to factors including distribution type, LED bin variance, and ambient temperatures.

Performance Data: 4000K (NW) and 5000K (CW)

All data nominal. IES files for all CCTs available at leotek.com.

Product	LED Code	Drive Current Code	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)
GCM2	30H	530	48	6330	132
		610	58	7440	128
		700	68	8550	126
		850	82	9830	120
		1A	101	11720	116
	40H	575	73	9590	131
		700	88	11260	128
		850	107	13270	124
		950	121	14390	119
		1A	135	15430	114

Notes:

1 Nominal lumens. Normal tolerance $\pm 10\%$ due to factors including distribution type, LED bin variance, and ambient temperatures.

BUG Ratings

3000K (WW)

			Type 2S	Type 2R	Type 3R	Type 4	Type 5
Product	LED Code	Drive Current Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
GCM2	30H	530	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G1	B3 U0 G1
		610	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G2	B3 U0 G1
		700	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G1
		850	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		1A	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
	40H	575	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		700	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		850	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B3 U0 G2
		950	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		1A	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2

4000K (NW)

			Type 2S	Type 2R	Type 3R	Type 4	Type 5
Product	LED Code	Drive Current Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
GCM2	30H	530	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G1	B3 U0 G1
		610	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G1
		700	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		850	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		1A	B3 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2	B3 U0 G2
	40H	575	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		700	B2 U0 G2	B2 U0 G2	B3 U0 G3	B2 U0 G2	B3 U0 G2
		850	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		950	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		1A	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G2

5000K (CW)

			Type 2S	Type 2R	Type 3R	Type 4	Type 5
Product	LED Code	Drive Current Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
GCM2	30H	530	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G1	B3 U0 G1
		610	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G1
		700	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		850	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		1A	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B3 U0 G2
	40H	575	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		700	B2 U0 G2	B2 U0 G2	B3 U0 G3	B2 U0 G2	B3 U0 G2
		850	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		950	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		1A	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G2

Memorandum

Department of Planning & Development Services



To: Michael O. Geisel, City Administrator

From: Justin Wyse, Director of Planning and Development Services

Date: February 20, 2019

RE: **Downtown Chesterfield Category C, Lot A (WILDHORSE) SDSP:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 7.3 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road. (18T640325, 18T640314, 18T640303)

Summary

This request is to allow for a development of a mixed-use building containing 173 residential units, 12,500 square-feet of community retail, and 14,550 square-feet of restaurant. The proposed facility is four to five stories in height, depending on elevation, and contains a parking garage positioned under the building. The building will be located in what is known as "Category C" of Downtown Chesterfield. The subject site is zoned "PC&R" Planned Commercial and Residence District and governed under the terms and conditions of City of Chesterfield Ordinance 3023. The materials primarily range from thin brick, EIFS, cultured stone, ribbed fiber cement, and ribbed metal panel.

The project was reviewed by the Architectural Review Board on Thursday, November 08, 2018. At that time, the Board made a motion to forward the Site Development Section Plan to Planning Commission with a recommendation to approve with conditions. The applicant has since fulfilled those conditions,

The project was reviewed by the Planning Commission on January 28, 2019. At that time the Commission recommended approval of the request as submitted by a vote of 8-1.

The project was reviewed by the Planning and Public Works Committee on February 07, 2019. At that time the Committee recommended approval of the request as submitted by a vote of 4-0.

Governing ordinance 3023 states that City Council shall have automatic power of review of site plans for the subject development. The City Council will then take appropriate action relative to the proposal.

Attached to this report please find a copy of the Planning Commission Staff Report, Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural

Elevations, the Architect's Statement of Design, and updated rendering of the elevation facing Interstate 64.

Attachments: Planning Commission Staff Report
Site Development Section Plan
Landscape Plan
Lighting Plan
Architect's Statement of Design
Architectural Elevations
Rendering



Figure 1: Aerial Image of Subject Site

Memorandum

Department of Planning & Development Services



To: Planning and Public Works Committee

From: Mike Knight, Planner *mnk*

Date: February 07, 2019

RE: **Downtown Chesterfield Category C, Lot A (WildHorse) SDSP** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 7.3 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road. (18T640325, 18T640314, 18T640303)

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The project was reviewed by the Planning Commission on January 28, 2019. At that time the Commission recommended approval of the request as submitted by a vote of 8-1.

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Attachments: Planning Commission Staff Report
Site Development Section Plan
Landscape Plan
Lighting Plan
Architect's Statement of Design
Architectural Elevations
Rendering

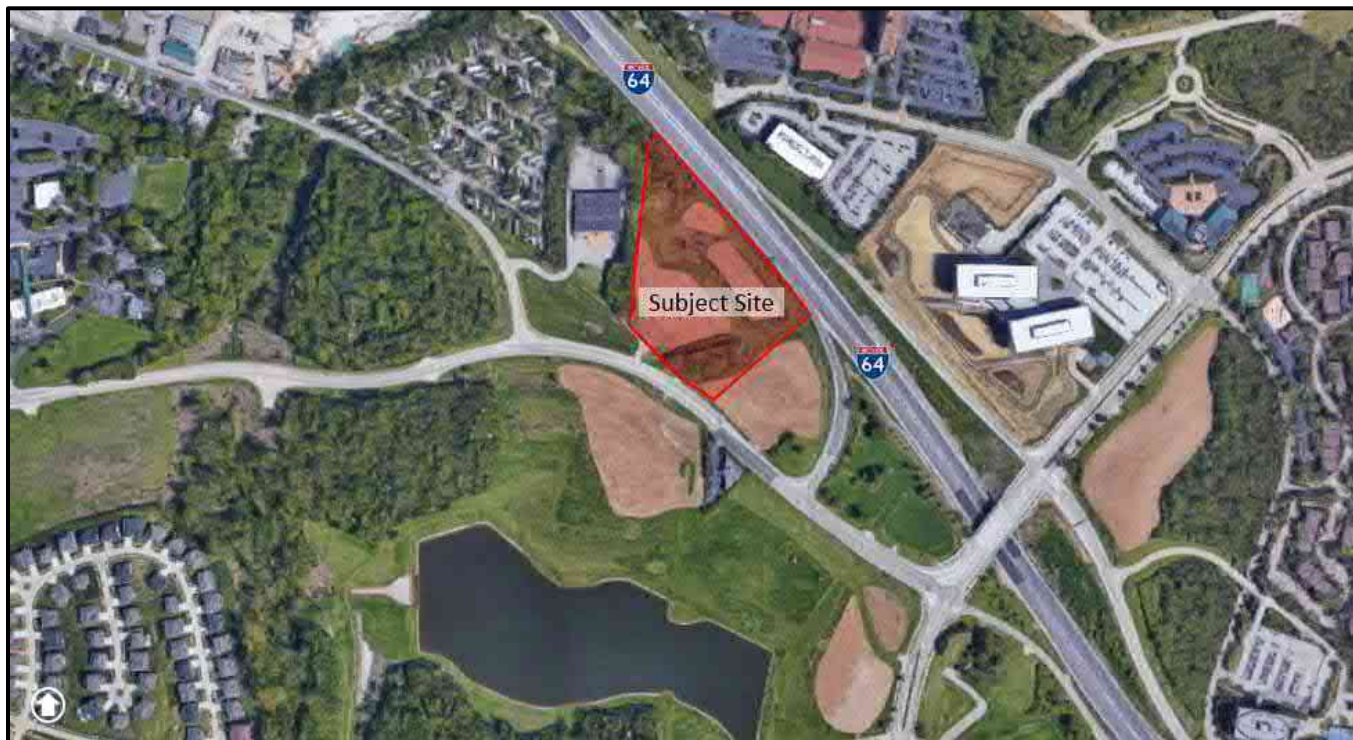


Figure 1: Aerial Image of Subject Site



VII.B.

690 Chesterfield Pkwy W • Chesterfield MO 63017-0760
Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

Planning Commission Staff Report

Project Type: Site Development Section Plan

Meeting Date: January 28, 2019

From: Mike Knight, Planner *mk*

Location: A 22 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road.

Description: **Downtown Chesterfield Category C, Lot A (WildHorse) SDSP:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 7.3 acre tract of land located northeast of the intersection of Wild Horse Creek Road and Old Chesterfield Road.

PROPOSAL SUMMARY

Stock and Associates Consulting Engineers, Inc. has submitted a Site Development Section Plan for Planning Commission review. This request is to allow for a development of a mixed-use building containing 173 residential units, 12,500 square-feet of community retail, and 14,550 square-feet of restaurant. The proposed facility is four to five stories in height, depending on elevation, and contains a parking garage positioned under the building. The building will be located in what is known as "Category C" of Downtown Chesterfield. The subject site is zoned "PC&R" Planned Commercial and Residence District and governed under the terms and conditions of City of Chesterfield Ordinance 3023. The materials range from thin brick, EIFS, cultured stone, ribbed fiber cement, and ribbed metal panel. The project was reviewed by the Architectural Review Board on Thursday, November 08, 2018. At that time, the Board made a motion to forward the Site Development Section Plan to Planning Commission with a recommendation to approve with conditions. The applicant has since fulfilled those conditions, staff has no remaining comments, and the project is being forwarded to the Planning Commission for review.

HISTORY OF SUBJECT SITE

On March 19th, 2008, the City of Chesterfield City Council approved Ordinance 2449. This ordinance amended the previous governing zoning ordinance of the City of Chesterfield by changing the boundaries of 99 acres of the following: an "R-8" Residence District with a Planned Environmental Unit Procedure, "R-5" Residence District, "FPR-5" Residence District, "R-6A" PEU Residence District

with a Planned Environmental Unit Procedure, "C-8" Planned Commercial District, "NU" Non-Urban District and "M-3" Planned Industrial District to one 99 acre "PC&R" Planned Commercial & Residence District known as Downtown Chesterfield.

City of Chesterfield Ordinance 2449 created one PC&R district that defined specific development criteria into three specific categories. The three categories were labeled in Ordinance 2449 as Category A, Category B, and Category C. They were also defined by location, having specific category standards, and with a specific streetscape.

On February 21st, 2018, the City of Chesterfield approved Ordinance 2990. This ordinance solely amended the legal description of the entire 99 acre PC&R district.

On November 5th, 2018, City Council approved the governing Ordinance 3023. This ordinance amendment had two main objectives. The first was to incorporate and re-zone a 0.4 acre Non-Urban "NU" parcel to the "PC&R" District. The second was to amend the development criteria of the governing ordinance in which separate Concept Plans would be submitted by defined Category vs. for the entire District. It essentially allows for 2 phases of development within Downtown Chesterfield. **This Site Development Section Plan is 7.3 acres of the 22 acres that make up Category C, which is one of three categories that make up the 99 acres known as Downtown Chesterfield.**

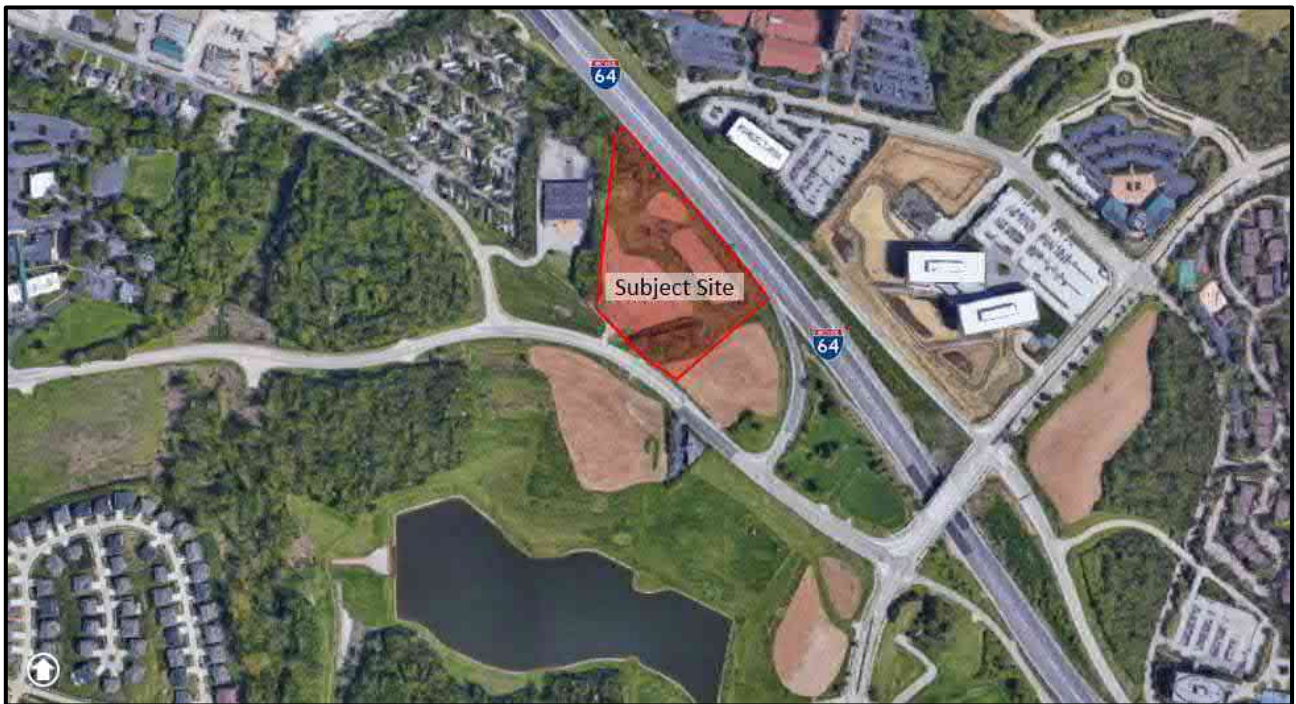


Figure 1: Aerial Image of Subject Site

STAFF ANALYSIS

The subject site is located north of Wild Horse Creek Road (WHCR), east of its intersection with Old Chesterfield Road (OCR) and west of the intersection with Chesterfield Parkway. The site is located directly south of Interstate 64. Given that WHCR and I-64 are both classified as major arterials

according to the City's functional classification system, and Chesterfield Parkway and OCR are classified as minor arterials, all facades will be highly visible to a large number of users. The area is designated Urban Core within the City of Chesterfield Comprehensive Land Use Plan and this development would be 7.3 acres of the 99 acre PC&R zoning district known as Downtown Chesterfield. Figure 2 is a visual representation to better understand the subject site in context with the 99 acres that make up Downtown Chesterfield shown in red. The figure also depicts the sites surrounding Downtown Chesterfield and their current land use and zoning which is shown in Table 1 below.



Figure 2: Downtown Chesterfield

Direction	Label	Current Land Use	Comprehensive Land Use Plan	Zoning District
North	A	Dierbergs	Urban Core	C8 - Planned Commercial
	B	RGA	Urban Core	C8 - Planned Commercial
East	C	Undeveloped	Urban Core	PC - Planned Commercial
South	D	Library	Urban Core	C8 - Planned Commercial
	E	YMCA	Urban Core / Multi-Family	PC - Planned Commercial
West	F	Reserve at Chesterfield	Multi-Family	R5 - Residence District
	G	Undeveloped	Urban Core	R6AA – Residence District
	H	Mobile Home Park	Urban Core	C7 - General Commercial

Table 1: Surrounding Sites

The general area north of Downtown Chesterfield is bordered by I-64. To the north of I-64 exists 3 office buildings currently occupied by Reinsurance Group of America's national headquarters and the Dierbergs Markets Corporate office. The east is immediately bordered by Chesterfield Parkway West. To the east of Chesterfield Parkway West is undeveloped property. The south is bordered by Burkhardt Place, which connects both the St. Louis County Library and the YMCA to Chesterfield Parkway West. To the west is primarily the residential subdivision, Reserve at Chesterfield Village, and undeveloped property. The area labeled as "G" currently has an active project known as Aventura at Wild Horse Creek, which consists of 2 buildings totaling 176 apartment units.

Zoning District:

The PC&R District, according to the Unified Development Code (UDC), is intended to provide development in the area of the City comprising a minimum of seventy (70) acres in size and located

only in the area bounded on the east by State Route 340, on the west by Baxter Road, on the north by State Route 40/I-64, and on the south by Lydia Hill Drive/August Hill Drive. A PC&R District development is intended to create a diverse residential and commercial mixed-use environment in which residential and commercial uses can be integrated pursuant to a downtown concept that encourages creative and coordinated design and architectural styles, efficient and effective pedestrian circulation, conservation of land resources, efficient and effective vehicular circulation, and where people can choose to live, work, eat, shop, enjoy cultural amenities and recreate. By definition, "downtown development" is mixed use, and usually follows one of two patterns (or an adaptation of both). First, as a vertical mix on a given parcel, land uses change from floor to floor within the same building. Typically, this pattern is residential above commercial (retail, professional services or office). The second pattern occurs when buildings or spaces of a single use are combined with those of other single uses. Examples are a street of residential buildings with commercial buildings occupying the corners or a commercial Main Street combined with residential side streets.

Land Use Designation:

The proposed development is located in the Urban Core within the City's Comprehensive Land Use Plan. Plan policies are the guiding principles for the Comprehensive Plan. These policies create the framework for decision-making related to future land use and development. Below are the plan policies that are relevant to this project given the location within the City's Urban Core.

Policy 1.8 Urban Core – The Urban Core should be developed to contain the highest density of mixed-use development in Chesterfield. It should serve as the physical and visual focus for the City and include both residential and commercial developments with parks, municipal services, and preservation of historic structures and areas, with cultural, entertainment and pedestrian amenities for its residents.

Policy 2.4 Higher Density Residential in Urban Core - New multiple-family residence should be located in or near the Urban Core.

Policy 3.6.2 Mixed-Use Development - The Urban Core should accommodate office, retail, high-density housing, government facilities, multi-modal transportation, cultural and entertainment facilities, and park space. Horizontal and vertical integration of uses is encouraged.

Policy 3.6.4 City Center - The development of a "City Center" within the Urban Core will create a community hub for public use, arts, with open-air restaurants, walkable shops, cultural and entertainment venues, and public gathering "places". Particular attention should be on providing first-floor pedestrian activities and architectural design.

Policy 3.6.7 Parking Structures - The use of parking structures in the Urban Core is encouraged.

Policy 7.2.10 Multi-modal Transportation Choices – Sites in the Urban Core should be designed for all types of transportation choices including pedestrian, bicycle, mass transit, and vehicular. Sites should be designed to provide for pedestrian, bicycle, mass transit, and vehicular inter-connectivity to adjacent sites.

General Requirements for Site Design:

This request is for one building containing residential, commercial, and restaurant uses on a highly visible 7.3 acre site. The applicant is proposing 173 residential units, 14,550 square feet of restaurant, and 12,500 square feet of retail. The governing ordinance states that parking shall be calculated globally and shall not be calculated on an individual site basis, except that the required parking provided shall be not less than 90%. The applicant has provided 425 spaces (217 surface and 208 within the garage) which is the minimum required in accordance to the governing ordinance.

Below in Figure 3 is the color Site Development Section Plan for the proposed development that was submitted to the Architectural Review Board. The only significant change from this color SDSP to the current SDSP would be the angle of the trash area. As seen in the figure below, there is a proposed courtyard and proposed pool in the center of the building. Both areas are open to air, but will not be seen from off-site. There is a plaza area northwest of the roundabout.



Figure 3: Color Site Plan

A. Site Relationships

The UDC outlines specific desirable practices within the site relationships section of the code. The table below outlines desirable site practices within the code and how the SDSP relates to them.

Desirable Practices	Site Development Section Plan
Provide safe pedestrian movement.	A pedestrian walkway surrounds the entire building and extends to WHCR.
Provide public plazas, courtyards, assembly areas, etc.	A plaza area is shown northwest of the roundabout.
Incorporate scenic views, fountains, public art, etc.	Public art is depicted within the roundabout.

Table 2: Desirable Practices

The UDC outlines specific undesirable practices within the site relationships section of the code. An undesirable practice stated within the UDC is above ground utilities. Although the applicant is not proposing any new utilities above ground, the development team intends to leave the existing above ground utility poles located southwest of Lot A, from WHCR extending past the proposed private drive and extend along OCR. Figure 4 identifies these existing poles to remain through a dashed yellow circle over a recent aerial image.



Figure 4: Utility Poles to Remain

B. Circulation System and Access

The subject site will be served primarily by one entrance from WHCR, with a dedicated westbound right turn lane into the site. There is an existing private drive that is to be extended from the southwestern corner of the site to OCR in conjunction with this development. Vehicular traffic circulation can be seen around the entire building. A roundabout near the entrance of the site would provide access to the east that is labeled future development. Cross access easements are required between the subject site and the future development to the east and west.

Pedestrian circulation can be seen completely circumnavigating the building. The City of Chesterfield Bikeable-Walkable plan designates a planned bike lane along this section of WHCR. The submittal provides a bike lane along the major arterial WHCR.

Most of the parking and driveway aisles consist of asphalt. One area that is not asphalt is the roundabout feature. The roundabout will consist of natural concrete, colored concrete, and a colored concrete with a stamped pattern. This transition in material will assist in pedestrian circulation by providing a traffic calming element for the vehicular movement within the circle drive, but also increase awareness of pedestrian activity crossing between Lot A and the lot to the east known as Lot B.

C. Topography and Retaining Walls

The existing topography slopes from a southern high point down approximately 34 feet to the north on the buildable area of the site. There is approximately 31 feet of additional fall to the northern tip of the site. Modification to the grade is being proposed without the use of site retaining walls. The natural slope of the site is being utilized to facilitate the parking below the building. Other slope modifications provide for ADA accessibility throughout the improved area of the site.

General Requirements for Building Design:

This request is to allow for development of a mixed-use building. The mixture of uses consists of 173 multi-family residential units, 12,500 square feet of retail, and 14,550 square feet of restaurant. The

D. Scale, Design, Materials, and Color

The building design and finishes are coordinated and consistent on all building facades. The different components of the mixed-use buildings have different identities. The proposed restaurant space on the southeast corner features a glass enclosed corner stair leading up to a second-floor bar/dining area with a rooftop patio space. The first floor commercial along WHCR projects from the building forming a continuous roof patio space utilized by the residents above. The individual residential living spaces are expressed by building facade offsets, changes in parapet height, balconies, along with material and color changes. The materials include thin brick, cultured stone, fiber cement siding, aluminum storefront, clear low-e-glass, architectural windows and doors. Brick cornice and other masonry details are used consistently on all sides of the building.

All of the color elevations are attached within the packet. Below in Figure 4 are two prominent elevations that can be seen from both WHCR and I-64. The “A” on top represents the view from WHCR detailing the mix of residential, retail, and restaurant and the “B” below represents the view from I-64 detailing all residential units and the entrance to the parking garage. Figure 5 is a rendered image of the site showing all three uses within the building.



Figure 4: Color Elevations



Figure 5: Rendering

E. Multi-Family Architecture

Section 04-01 includes specific requirements for multi-family architecture.

Provide an on-site pedestrian system with access to common ground areas – An on-site pedestrian system is highly visible around the building. Pedestrian access to the east is defined within the roundabout along with designated areas for pedestrian crossing both north and south of the roundabout. There is not a proposed sidewalk to the west along the private drive that connects to OCR. The SDSP is providing roughly 150 linear feet of 8' sidewalk along WHCR. Sidewalk would be required along OCR and the rest of WHCR at the time each lot that has frontage along the arterial roadways were to submit a SDSP.

Express architecturally the individual dwelling units within the building – In addition to other items mentioned in the report thus far, the proposal includes recessed and projecting balconies which help emphasize the individual units within the building.

Utilize color, material, and plane changes to articulate facades. Avoid monotonous or institutional designs – As discussed, the proposal includes color and material changes to avoid a monotonous design. Outdoor gathering areas are included on the first level of the development, which provide human scale and add additional detailing at the pedestrian level.

Respect the scale, proportion and character of the adjacent or predominant neighborhood – This development would be the first intentionally created for “Downtown Chesterfield” and would set the scale, proportion, and character for the next phase of development.

Provide functional recreation areas – An area in the form of a plaza can be seen northwest of the roundabout. The plaza area includes a platform bench with a wood deck, 3 additional benches to match the platform, and accent pavers.

Provide outdoor space for each dwelling – In addition to common areas, balconies are provided. The balconies provide outdoor space for each unit and also add an element of depth to the proposed buildings.

Primary Building material - Primary building material shall be extended and installed so that no more than twelve (12) inches of concrete foundation wall is exposed.

F. Landscape Design and Screening

Landscaping is used to enhance the pedestrian experience, screen the service areas, and soften the building's base where it meets the site. The applicant does not intend to preserve most of the existing canopy. Since the site is virtually being clear cut, a Landscape Mitigation Plan has been submitted. The mitigation plan includes 83 additional trees consisting of deciduous, ornamental, and evergreen varieties, primarily located in the northern area of the site. A 30' landscape buffer has been provided along the major arterial Interstate 64.

All mechanical units will be located on the roof and screened by the parapets. There will be three dumpsters located on the southwest portion of the site. The screening consists of brick veneer and the trash enclosure gates are to be metal deck painted to match the masonry wall. One of three dumpsters shall be utilized for recycling purposes.

G. Lighting

Lighting consists of utilitarian and decorative fixtures. Below in Figure 6 (A-C) is building lighting. The applicant is proposing a decorative fixture (A) along the retail portion that fronts WHCR. Fixtures B and C are utilitarian and provide lighting along the residential areas and recessed under canopies.

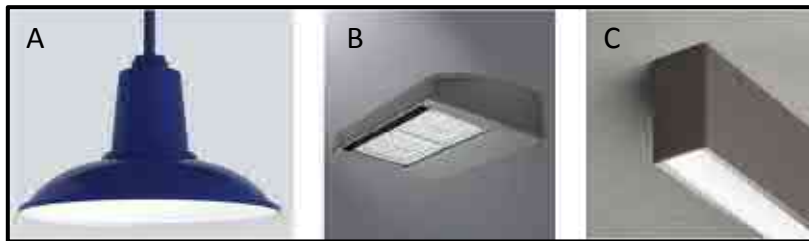


Figure 6: Building Lighting

Figure 7 depicts the site lighting. This includes bollards (E), pedestrian scale lighting the internal drive (F), and parking lighting (G) throughout the site. All building and site lighting are consistent with the Lighting Fixture Concept Plan also submitted with the city and under review.

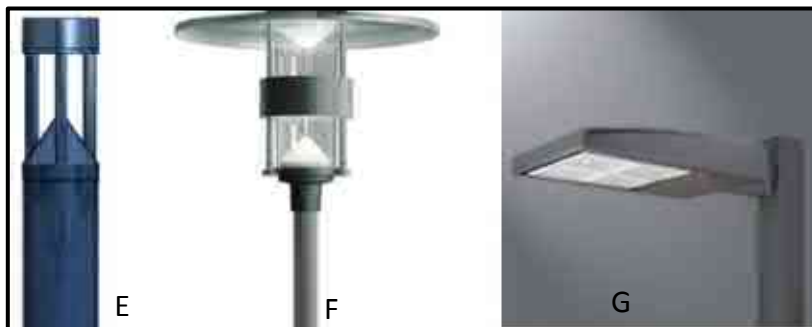


Figure 7: Site Lighting

Street lights will also be required along WHCR and the private drive and will utilize an Ameren approved fixture.

GOVERNING ORDINANCE

As previously referenced, the governing ordinance for the 99 acres that comprise Downtown Chesterfield has three defined categories. The subject site is located in what is known as Category C. This is the 22 acres north of WHCR and can be seen in Figure 8.

Category C has specific standards outlined in the governing ordinance that reference building placement, building volume, floor heights, façade elements, outdoor space, and building function. The ordinance also provides a specific exhibit that details a streetscape to which the development should adhere.

Section I.O of the governing ordinance states that upon application from a petitioner, any performance standard provided in the Attachment "A" or required by any other district regulation or Ordinance of the City may be supplemented, modified, or altered provided such supplement, modification, or alteration will further the purpose and intent of the PC&R District. A public hearing is not required in the process and recommendation by Planning Commission will be forwarded to City Council for final approval.

The applicant is seeking four modifications from the category standards set forth in the governing ordinance, specifically from Exhibit 1 titled "Highway Frontage Outlots".

1. Utilize the streetscape in Exhibit 1 off of the internal drive.
2. A 12' sidewalk easement is required in Exhibit A and not shown on the plan
3. The maximum distance a building can be from the WHCR right of way is 52' according to Exhibit A. The building is 100' from the internal drive along the north end of the internal drive near the plaza.
4. Exhibit 1 specifically removes parking in between WHCR and the "build to" line unlike Categories A & B. This submittal has a row of parking between the internal drive and the building.

The applicant has provided a modification request stating the intent of the request is to achieve the goals and objectives of the PC&R district. This site focuses on the center of the proposed development with a plaza, roundabout, public art, sidewalks and park benches. The proposed buildings will surround the plaza and bring a "Downtown" feel to the area and further the intent of



Figure 8: Category Location

the PC&R. The applicant will essentially be building the streetscape off of the internal drive vs. WHCR.

Staff acknowledges and is supportive of the center drive aisle dictating an urban “Downtown” streetscape vs. the major arterial of WHCR. In the November ARB report, Staff encouraged more interaction with the street and the building’s urban form as dictated in the streetscape identified in Exhibit 1 of the governing ordinance. As proposed, the parking along the center drive aisle in front of the building deviates from the streetscape seen in Exhibit 1 of the governing ordinance.

TRAFFIC IMPACT STUDY

The applicant was required to submit a Traffic Impact Study in conjunction with the proposed development. A scoping meeting was held with multiple stakeholders including the development team, the traffic consultant CBB, St. Louis County Department of Transportation, the Missouri Department of Transportation, and the City of Chesterfield. At this meeting the scope of work for the study was defined. CBB then completed the study and provided an analysis summary. This summary included information on designated intersections/approaches for both the AM and PM Peak periods, summary of findings, and information on system issues.

The study found that the impacts of cumulative development within the Urban Core will degrade traffic operations for two specific turning movements, one each at the intersections on both ends of OCR. This is a “cut through” road which some motorists use to bypass the intersection of Baxter Road and WHCR.

Westbound Right-turn movement from OCR onto Baxter:

This movement currently operates at LOS F in the PM peak hour and will continue to operate at a LOS F with the addition of the proposed development. The long delays and queues are limited to the peak 15 minutes of the PM Peak Period. The other movements through the intersection perform well as traffic along Baxter Road is not required to stop. However the large northbound through volume on Baxter during the PM peak in combination with the closely spaced signal at Edison Avenue to the north does not allow adequate gaps for the westbound right-turn movement to enter the traffic easily. The addition of traffic will increase the expected queue length for the movement from 885 to 975 feet.

Southbound left-turn movement from OCR onto WHCR: This movement currently operates at a LOS D in the AM and LOS C in the PM. This turning movement would be expected to degrade to a LOS E in both the AM and PM peak hours. While there are very few southbound left turn trips, the additional east-west trips along WHCR will reduce the available gaps. The other movements through the intersection perform well as traffic along WHCR is not required to stop.

The traffic impact study states that system-level improvements would be required to resolve both degradation issues and notes that both of the impacted movements are on a secondary route used as a bypass or “cut-through route”. Any intersection improvements to resolve the impact to the cut-through would most likely negatively affect the through routes. Those changes may even encourage

more “cut-through” traffic and offers that it may be best to leave those intersections as-is and allow the congestion to regulate the amount of “cut-through” traffic.

DEPARTMENTAL INPUT

Staff has reviewed the submittal and has found the application to be in conformance with the City of Chesterfield Unified Development Code and Ordinance 3023. Staff recommends approval of the Site Development Section Plan for the Downtown Chesterfield (Category C) development.

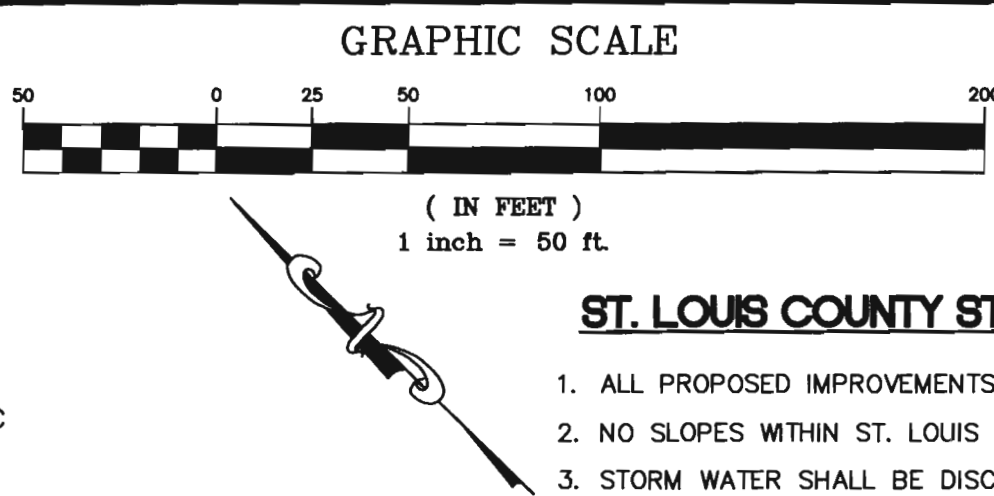
MOTION

The following options are provided to the Planning Commission for consideration relative to this application:

- 1) “I move to approve (or deny) the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect’s Statement of Design for the Downtown Chesterfield (Category C) Lot A, WildHorse development.”
- 2) “I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect’s Statement of Design for the Downtown Chesterfield (Category C) Lot A, WildHorse development with the following conditions...” (Conditions may be added, eliminated, altered or modified)

Attachments: Site Development Section Plan
 Landscape Plan
 Lighting Plan
 Architectural Elevations
 Architect’s Statement of Design

SHEET INDEX
SDSP-1 = SITE DEVELOPMENT SECTION PLAN
SDSP-2 = PHOTOGRAPHIC PLAN
SDSP-3 = SITE SECTIONS & DETAILS
SDSP-4 = ST. LOUIS COUNTY SIGHT DISTANCE STUDY
SDSP-5 = ORDINANCE #3023
L-1 = MASTER PLANTING PLAN
L-2 = MITIGATION PLANTING PLAN
L-3 = MASTER PLANTING PLAN
TSD-1 = TREE STAND DELINEATION
TRP-1 = TREE PRESERVATION PLAN
PSP-1 = ARCHITECTURE ELEVATIONS



PERTINENT DATA

LOT A
OWNER: CHESTERFIELD VILLAGE INC.
OWNER UNDER CONTRACT: BRINKMANN HOLDINGS LLC
LOT A AREA: 7.306 Acres ±
EXISTING ZONING: "PC&R" PLANNED COMMERCIAL & RESIDENCE (ORD. #3023)
SITE ADDRESS: 16461, 16491, 16493, 16495, 16503, 16511 WILD HORSE CREEK CHESTERFIELD, MISSOURI 63005
LOCATOR NO: 185430248, 187640095, 187640204, 187640215, 187640303, 187640314, 187640325
WUNNENBERG'S: PG. 21, GRID 1877 & 1878
FIRE DISTRICT: MONARCH FIRE PROTECTION DISTRICT
SCHOOL DISTRICT: PARKWAY
SEWER DISTRICT: METROPOLITAN ST. LOUIS SEWER DIST.
WATER SHED: MISSOURI RIVER
FEMA MAP: 29189C0165K, FEB 4, 2015
ELECTRIC COMPANY: AMEREN UE
GAS COMPANY: SPIRE INC
PHONE COMPANY: AT&T
WATER COMPANY: MISSOURI AMERICAN WATER COMPANY

GENERAL NOTES

1. BOUNDARY AND TOPOGRAPHIC SURVEY BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC.
2. ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED.
3. NO GRADE SHALL EXCEED 3:1 SLOPE.
4. GRADING AND STORM WATER PER M.S.D., MDOOT, ST. LOUIS COUNTY, THE CITY OF CHESTERFIELD AND THE MONARCH CHESTERFIELD LEVEE DISTRICT.
5. STORMWATER SHALL BE DISCHARGED AT ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
6. ALL UTILITIES WILL BE INSTALLED UNDERGROUND.
7. SITE DEVELOPMENT SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL EXPLORATION TITLED AND ALL IRS SUPPLEMENTAL PROVISIONS AND ADDENDUMS.
8. SIGNAGE APPROVAL IS A SEPARATE PROCESS.
9. OFFSITE GRADING AND IMPROVEMENTS REQUIRE EASEMENTS FROM PROPERTY OWNER.

ST. LOUIS COUNTY STANDARD NOTES

1. ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS.
2. NO SLOPES WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL).
3. STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
4. ALL PROPOSED ACCESS TO ST. LOUIS COUNTY ROADS SHALL MEET MINIMUM ST. LOUIS COUNTY SIGHT DISTANCE REQUIREMENTS.
5. ALL SIDEWALKS AND ASSOCIATED ACCESSIBILITY IMPROVEMENTS WITHIN RIGHT-OF-WAY SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY ADA STANDARDS.
6. A SIGNED/SEALED NOTE SHALL BE ADDED TO THE CONSTRUCTION PLANS INDICATING THAT THE UNIMPROVED EXISTING SIDEWALK/PEDESTRIAN PATH ALONG THE PROJECT FRONTAGE MEETS CURRENT ST. LOUIS COUNTY ADA STANDARDS.
7. ALL GRADING AND DRAINAGE SHALL BE IN CONFORMANCE WITH ST. LOUIS COUNTY AND MSD STANDARDS.
8. ALL HYDRANTS, POWER POLES OR OTHER POTENTIAL OBSTRUCTIONS WITHIN THE ST. LOUIS COUNTY ROAD RIGHT-OF-WAY SHALL HAVE A MINIMUM TWO (2) FOOT SETBACK FROM FACE OF CURB OR EDGE OF PAVEMENT, AS DIRECTED BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC.
9. ANY ENTITY THAT PERFORMS WORK ON ST. LOUIS COUNTY MAINTAINED PROPERTY SHALL PROVIDE THE COUNTY WITH A CERTIFICATE OF INSURANCE EVIDENCING GENERAL LIABILITY COVERAGE (BODILY INJURY AND PROPERTY DAMAGE) IN THE AMOUNTS SPECIFIED AS THE LIMITS OF LIABILITY SET BY THE STATE FOR PUBLIC ENTITIES. SUCH CERTIFICATE SHALL INCLUDE: ST. LOUIS COUNTY* AS AN ADDITIONAL INSURED AND SHALL BE PROVIDED PRIOR TO THE ISSUANCE OF ANY PERMIT. CERTIFICATE SHALL PROVIDE FOR A 30 DAY POLICY CANCELLATION NOTICE TO ST. LOUIS COUNTY. UPON REQUEST, THE COUNTY WILL PROVIDE THE SPECIFIC AMOUNTS FOR BOTH PER PERSON AND PER OCCURRENCE LIMITS.
10. PRIOR TO SPECIAL USE PERMIT ISSUANCE BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC, A SPECIAL CASH ESCROW OR A SPECIAL ESCROW SUPPORTED BY AN IRREVOCABLE LETTER OF CREDIT, MAY BE REQUIRED TO BE ESTABLISHED WITH THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC TO GUARANTEE COMPLETION OF THE REQUIRED ROADWAY IMPROVEMENTS.
11. CONTINUOUS PEDESTRIAN ACCESS SHALL BE PROVIDED DURING THE CONSTRUCTION PROCESS. PRIOR TO THE START OF CONSTRUCTION, ADEQUATE PEDESTRIAN ACCESS AROUND THE SITE SHALL BE PROVIDED AND VERIFIED. NO EXISTING SIDEWALK SHALL BE REMOVED WITHOUT PROVIDING ADEQUATE PEDESTRIAN FACILITIES AND ROUTES DURING CONSTRUCTION ACTIVITIES.
12. TRAFFIC GENERATION ASSESSMENT CONTRIBUTIONS SHALL BE ASSESSED AND PAID WITH EACH SITE DEVELOPMENT SECTION PLAN SUBMITTAL.

MEASUREMENT	LOT A	CURRENT PC&R	PC&R MAXIMUM
RET/OFF/CIVIC/LODGING GFA	27,050	23,500	1,700,000
RESIDENTIAL UNITS	173	0	1000

SITE DEVELOPMENT SECTION PLAN

PART OF U.S. SURVEYS 123 AND 2031 TOWNSHIP 45 NORTH, RANGE 4 EAST

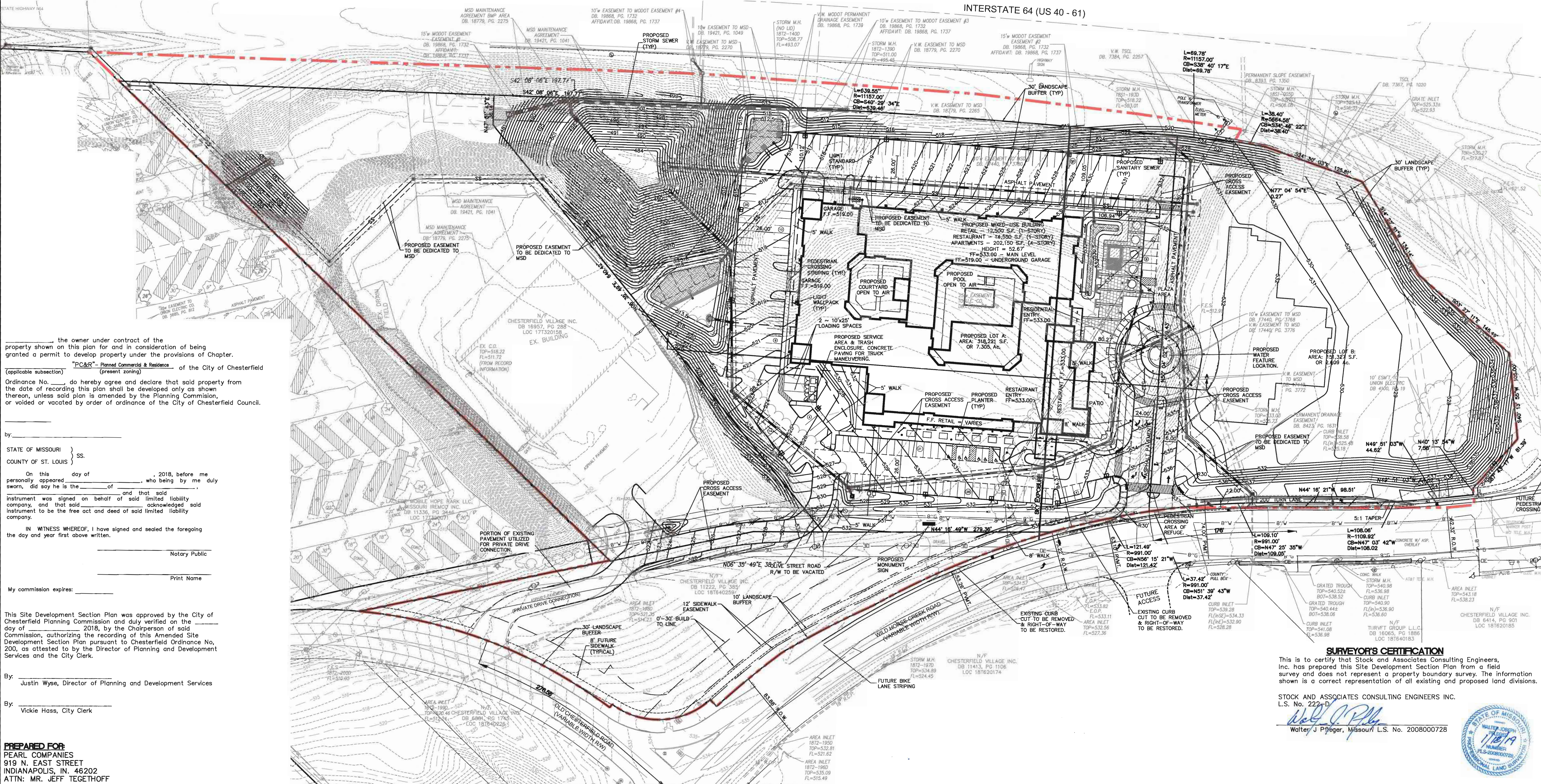
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

ZONED: PLANNED COMMERCIAL + RESIDENCE DISTRICT "PC+R" PER ORD. NO #3023



Lot A
Beginning at a found iron pipe, located on the north right-of-way line of Olive Street Road, variable width, said point also being the southeast corner of a tract of land as conveyed to Chesterfield Village, Inc. by instrument recorded in Book 10957, Page 288 of the St. Louis County records; thence along the eastern line of said Chesterfield Village, Inc. tract, North 06 degrees 35 minutes 49 seconds East, 601.75 feet to a found iron rod; thence North 47 degrees 51 minutes 43 seconds East, 36.14 feet to the southwestern right-of-way of Interstate Route 64 (US 40-61), variable width; thence along said right-of-way line the following: South 42 degrees 08 minutes 06 seconds East, 197.77 feet to a point of curvature to the right having a radius of 11,157.00 feet; thence along said curve with an arc length of 639.55 feet and a chord which bears South 40 degrees 29 minutes 34 seconds East, 639.46 feet thence departing said right-of-way line, South 50 degrees 04 minutes 02 seconds West, 459.43 feet to the point of non-tangential curve to the left having a radius of 991.00 feet; thence along said curve with an arc length of 121.49 feet and a chord which bears North 56 degrees 15 minutes 21 seconds West, 121.42 feet; thence North 44 degrees 16 minutes 49 seconds West, 279.36 feet to the direct southwestern prolongation of the east line of above said Chesterfield Village, Inc. tract; thence along said prolongation line, North 06 degrees 35 minutes 49 seconds East, 38.67 feet to the POINT OF BEGINNING; Containing 118,221 square feet or 7.305 acres, more or less.

Lot B
Commencing at a found iron pipe, located on the north right-of-way line of Olive Street Road, variable width, said point also being the southeast corner of a tract of land as conveyed to Chesterfield Village, Inc. by instrument recorded in Book 10957, Page 288 of the St. Louis County records; thence departing said right-of-way and along the northern and southwestern line of Proposed Lot A the following courses and distances: South 06 degrees 35 minutes 49 seconds West, 38.67 feet; South 44 degrees 16 minutes 49 seconds East, 38.67 feet to the beginning of curve to the right having a radius of 991.00 feet and along said curve with an arc length of 121.49 feet and a chord which bears South 56 degrees 15 minutes 21 seconds East, 121.42 feet to the POINT OF BEGINNING of the herein described tract; thence North 50 degrees 04 minutes 02 seconds East, 459.43 feet to the southwestern right-of-way of Interstate Route 64 (US 40-61), variable width, said point also being located on a non-tangential curve to the right having a radius of 11,157.00 feet; thence along said right-of-way line the following courses and distances: along said curve with an arc length of 639.55 feet and a chord which bears South 38 degrees 40 minutes 17 seconds East, 639.78 feet; North 77 degrees 04 minutes 54 seconds East, 0.27 feet to the point of non-tangential curve to the right having a radius of 5,664.58 feet; thence along said curve with an arc length of 38.40 feet and a chord which bears South 34 degrees 46 minutes 22 seconds East, 38.40 feet; South 24 degrees 30 minutes 03 seconds East, 123.81 feet; South 14 degrees 23 minutes 51 seconds West, 134.14 feet; South 03 degrees 27 minutes 11 seconds East, 145.49 feet; South 40 degrees 13 minutes 55 seconds West, 105.00 feet; South 87 degrees 43 minutes 17 seconds West, 81.39 feet and South 40 degrees 13 minutes 55 seconds West, 7.58 feet to a found iron rod located on the northeastern right-of-way line of Wildhorse Creek Road, variable width; thence along said right-of-way line the following courses and distances: North 49 degrees 51 minutes 3 seconds West, 105.00 feet; North 87 degrees 43 minutes 17 seconds West, 81.39 feet and South 40 degrees 13 minutes 55 seconds West, 7.58 feet to a found iron rod located on the northeastern right-of-way line of Wildhorse Creek Road, variable width; thence along said right-of-way line the following courses and distances: North 49 degrees 51 minutes 3 seconds West, 105.00 feet; North 87 degrees 43 minutes 17 seconds West, 81.39 feet to a point of curvature to the left having a radius of 991.00 feet and along said curve with an arc length of 109.10 feet and a chord which bears North 47 degrees 25 minutes 35 seconds West, 109.05 feet; thence departing said right-of-way line and continuing along a last said curve to the left having a radius of 991.00 feet and an arc length of 37.42 feet and a chord which bears North 51 degrees 39 minutes 43 seconds West, 37.42 feet to the POINT OF BEGINNING; Containing 151,327 square feet or 3.474 acres, more or less.



OPEN SPACE:
LOT A PROVIDED: 44,48X (141,571 S.F./318,261 S.F.)
PARKING:
LOT A REQUIRED: PLEASE SEE UNIFIED DEVELOPMENT CODE SEC. 31-04-04
RETAIL CENTER:
TOTAL = 27,050 S.F.
RESTAURANT = 14,550 S.F.
RETAIL = 12,500 S.F.
30% OF SITE = 8,115 S.F.
RETAIL + 30% = 20,615 S.F. @ 4.5 SPACES/1000 S.F. = 93 SPACES
RESTAURANT ABOVE 30% = 6,435 S.F. @ 12 SPACES/1000 S.F. = 77 SPACES
RESIDENTIAL:
APARTMENTS = 173 UNITS @ 1.75 SPACES/UNIT = 303 SPACES
TOTAL REQUIRED = 473 SPACES (473*(0.80) = 425 SPACES
PARKING PROVIDED = 425 SPACES (217 SURFACE & 208 WITHIN GARAGE)

BUILDING HEIGHT REGULATIONS:

FIRST STORY HEIGHT ALL CATEGORIES = 12-25 FEET
UPPER STORY HEIGHT ALL CATEGORIES = 8-18 FEET

NOTE:

1. PROJECT SHALL COORDINATE WITH COUNTY PROJECT AR-1756
2. MECHANICAL UNITS WILL BE PLACED ON THE ROOF AND SCREENS BY THE PARAPETS THEMSELVES.

HOURS OF OPERATION:

7:00 AM TO 1:00 AM FOR OPERATIONS
7:00 AM TO 12:00 PM FOR DELIVERIES AND SERVICE

ST. LOUIS COUNTY BENCHMARK

BENCHMARK 12277 N0629 Dev = 490.38
On 1" in the southwest corner of the 347 traffic signal pull box set flush in the top of a concrete median island located on the right turn lane from southeast Wild Horse Creek Road onto the southbound side of a pavement split for a future extension of Burkhardt Place as shown on the plat of WILD HORSE CREEK ROAD RELOCATION PLAT (Plat Book 354, Page roughly 52 feet south of the center of Wild Horse Creek Road, 27 feet west of the centerline of the pavement split for future Burkhardt Place, and 0.3 miles more or less east of Burkhardt Place.

GEOTECHNICAL ENGINEER'S NOTE

Neither Midwest Testing, nor the undersigned has prepared any part of these plans. The signature and seal are intended to confirm our review and professional opinion that these plans and revisions, through the date given below, comply with the *Revised Geotechnical Exploration* dated November 28, 2018 for the project, and are compatible with the soil and geologic conditions at the site, as anticipated from the exploration data.

Conditions may vary from those encountered during the exploration or can change due to construction activities, weather, or other conditions. Therefore, Midwest Testing must be involved during the construction of this project to observe the actual subsurface conditions and implementation of our recommendations relative to construction. Construction means and methods shall be left to the Contractor.

MIDWEST TESTING

Michael L. Hackmeister, P.E.

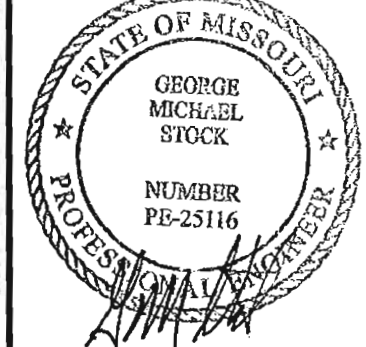
Date: 12/18



SITE DEVELOPMENT SECTION PLAN FOR:

WILDHORSE

16461, 16491, 16493, 16495, 16503, 165011 WILD HORSE CREEK ROAD
CHESTERFIELD, MO 63005 & 63017



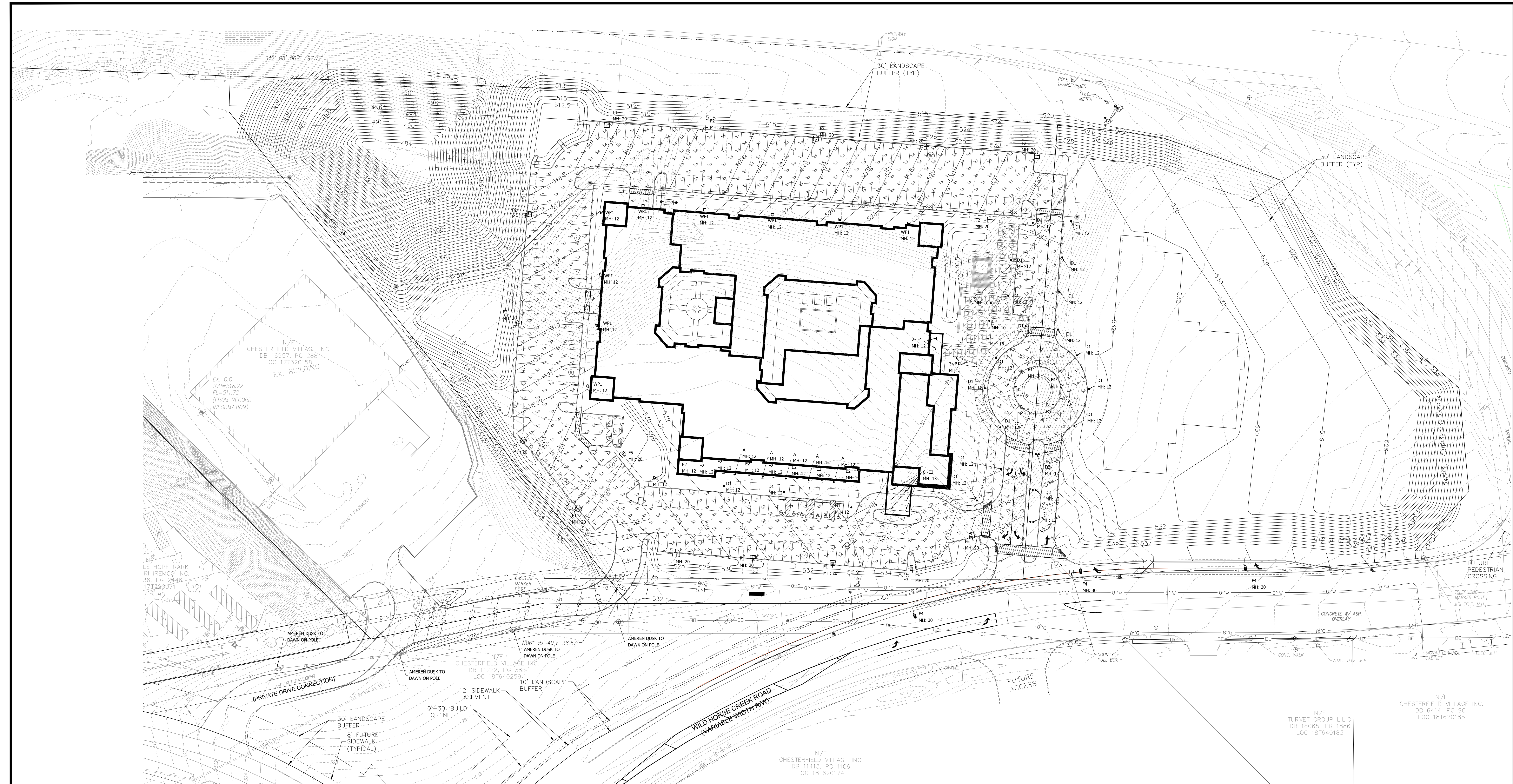
2019-01-16
GEORGE M. STOCK, P.E.
CIVIL ENGINEER
LICENSE NO. E-57622

REVISIONS:
1. 2018-10-29 CITY
2. 2018-10-16 COUNTY
3. 2019-01-04 CITY
4. 2019-01-16 CITY

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC.
L.S. No. 222-D
Walter J. Pfeiffer, Missouri L.S. No. 2008000728



PREPARED FOR:
PEARL COMPANIES
919 N. EAST STREET
INDIANAPOLIS, IN 46202
ATTN: MR. JEFF TEGETHOFF



POLE FIXTURE MOUNTING HEIGHT INCLUDES BASE
LIGHT LEVEL CALCULATED ON THE GROUND

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PROPERTY LINE	Illuminance	Fc	0.13	2.1	0.0	N.A.	N.A.
RESIDENTIAL CANOPY	Illuminance	Fc	5.86	7.9	3.5	1.67	2.26
RESTAURANT CANOPY	Illuminance	Fc	5.85	7.2	3.6	1.63	2.00
RETAIL CANOPIES	Illuminance	Fc	5.28	7.8	1.3	4.06	6.00
SIDEWALK & SEATING AREA	Illuminance	Fc	1.84	7.3	0.1	18.40	73.00
SITE	Illuminance	Fc	1.30	7.4	0.5	2.60	14.80
WHCR	Illuminance	Fc	0.69	2.4	0.1	6.90	24.00

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Lum. Watts	Total Watts	LLF	Description
	5	A	SINGLE	15.8	79	0.800	SW1910LW-20L-35K-EX
	5	B1	SINGLE	46.8	234	1.000	RT4xx-26L45T5-MDL05-CA
	3	C	SINGLE	15.8	47.4	0.800	SW1910LW-20L-35K-EX
	20	D1	SINGLE	42	840	1.000	L9462A Alberslund Mini LED 4000K
	3	D2	BACK-2-BACK	42	252	1.000	L9462A Alberslund Mini LED 4000K
	7	F1	SINGLE	59	413	1.000	GLEON-AF-01-LED-E1-SL4-HSS
	7	F2	SINGLE	59	413	1.000	GLEON-AF-01-LED-E1-SL4-HSS
	3	F4	SINGLE	72.3	216.9	1.000	GCM2-40H-MV-AW-3R-XX-575
	2	F5	SINGLE	59	118	1.000	GLEON-AF-01-LED-E1-RW
	9	WP1	SINGLE	44	396	1.000	GWC-AF-01-LED-E1-SL4-800
	2	E1	SINGLE	31	62	1.000	SK1-C10A-36-GW-MWP-LED1_35K-120-DMO
	14	E2	SINGLE	21	294	1.000	SK1-C10A-24-GW-MWP-LED1_35K-120-DMO

DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF REQUEST.
ANY CHANGES IN MOUNTING HEIGHT OR LOCATION, LAMP WATTAGE, LAMP TYPE, AND
EXISTING FIELD CONDITIONS, THAT AFFECT ANY OF THE PROVIDED MOUNTING HEIGHTS, WILL
VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.

GRAPHIC SCALE



NOTE:
1. PARKING LIGHTING WILL NOT BE LOWER THAN 10FT ABOVE GRADE AND
MOUNTING HEIGHTS OF LIGHTING FIXTURES SHALL NOT EXCEED 20 FT.
2. EXTERIOR LIGHTING SHALL BE FULLY SHIELDED FLAT-LENS ENCLOSED
LUMINAIRES.

PREPARED BY:
Stock & Associates
Consulting Engineers, Inc.

257 Chesterfield Business Parkway
St. Louis, MO 63005 PH: (636) 530-9300
5301-3000 FAX: (636) 530-9300
e-mail: general@stockassoc.com
Web: www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN FOR:
WILDHORSE

16461, 16491, 16493, 16495, 16503, 165011 WILD HORSE CREEK ROAD
CHESTERFIELD, MO 63005 & 63017

GEORGE M. STOCK, P.E.
CIVIL ENGINEER
LICENSE NO. E-57522

REVISIONS:

1. 2018-10-29 CITY
2. 2018-12-16 COUNTY
3. 2019-01-04 CITY
4. 2019-01-16 CITY

DRAWN BY:
K.S.G./J.E.B.

CHECKED BY:
G.M.S.

DATE:
09/07/18

JOB NO:
218-6283.4

W.S.D. P. #
-

DATE W.P. #
185 & 181

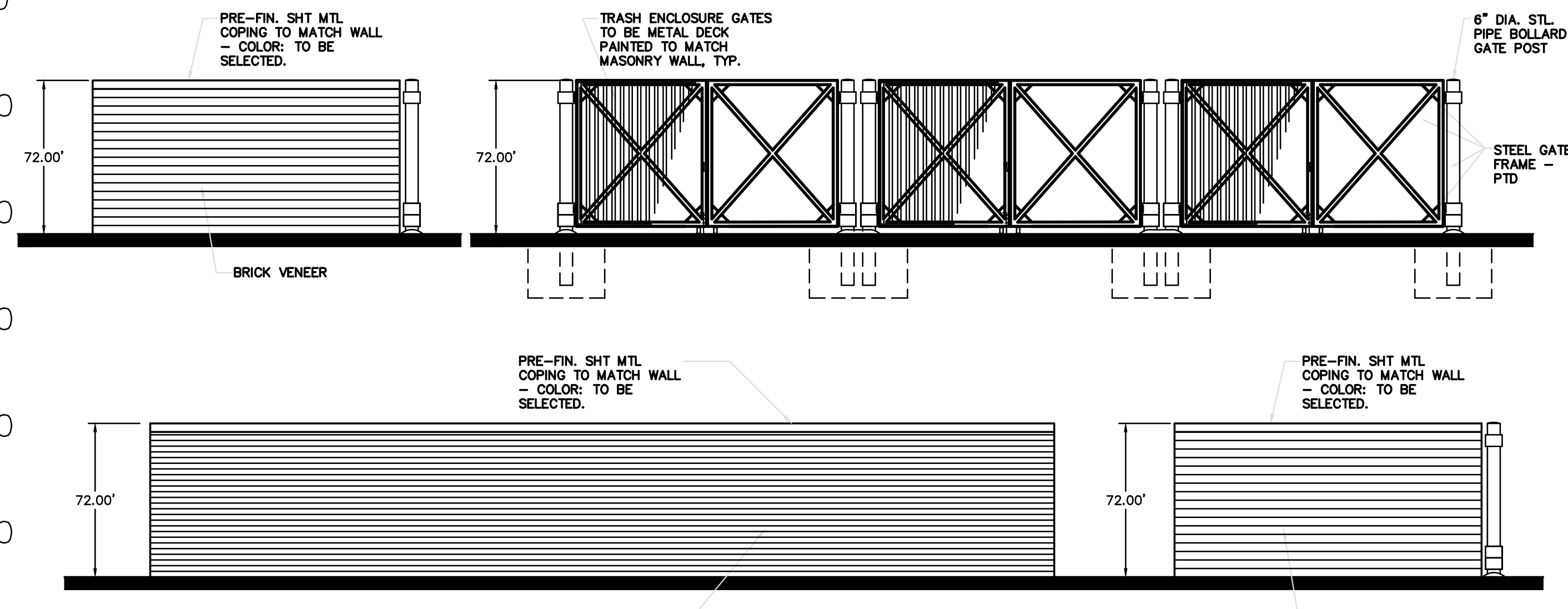
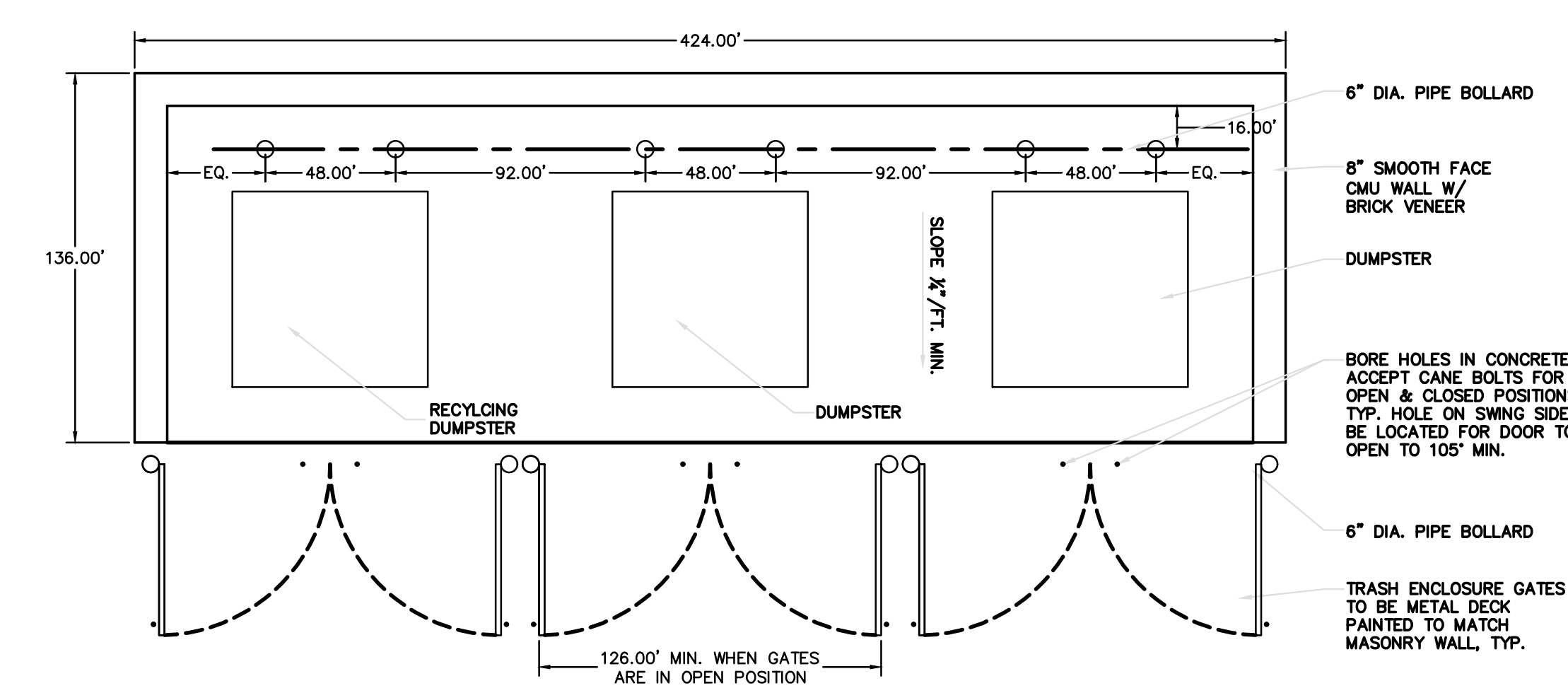
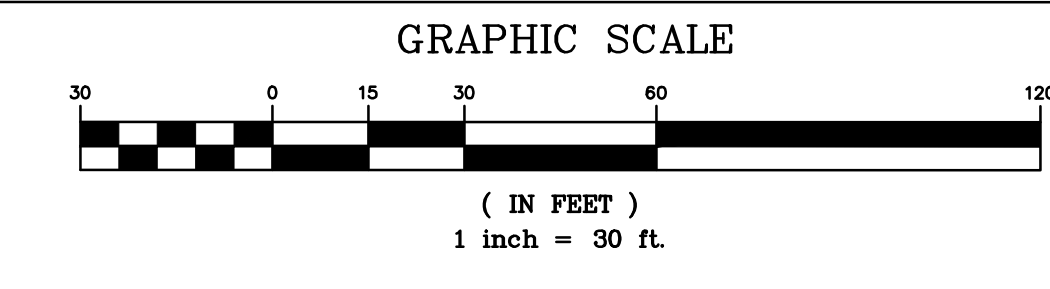
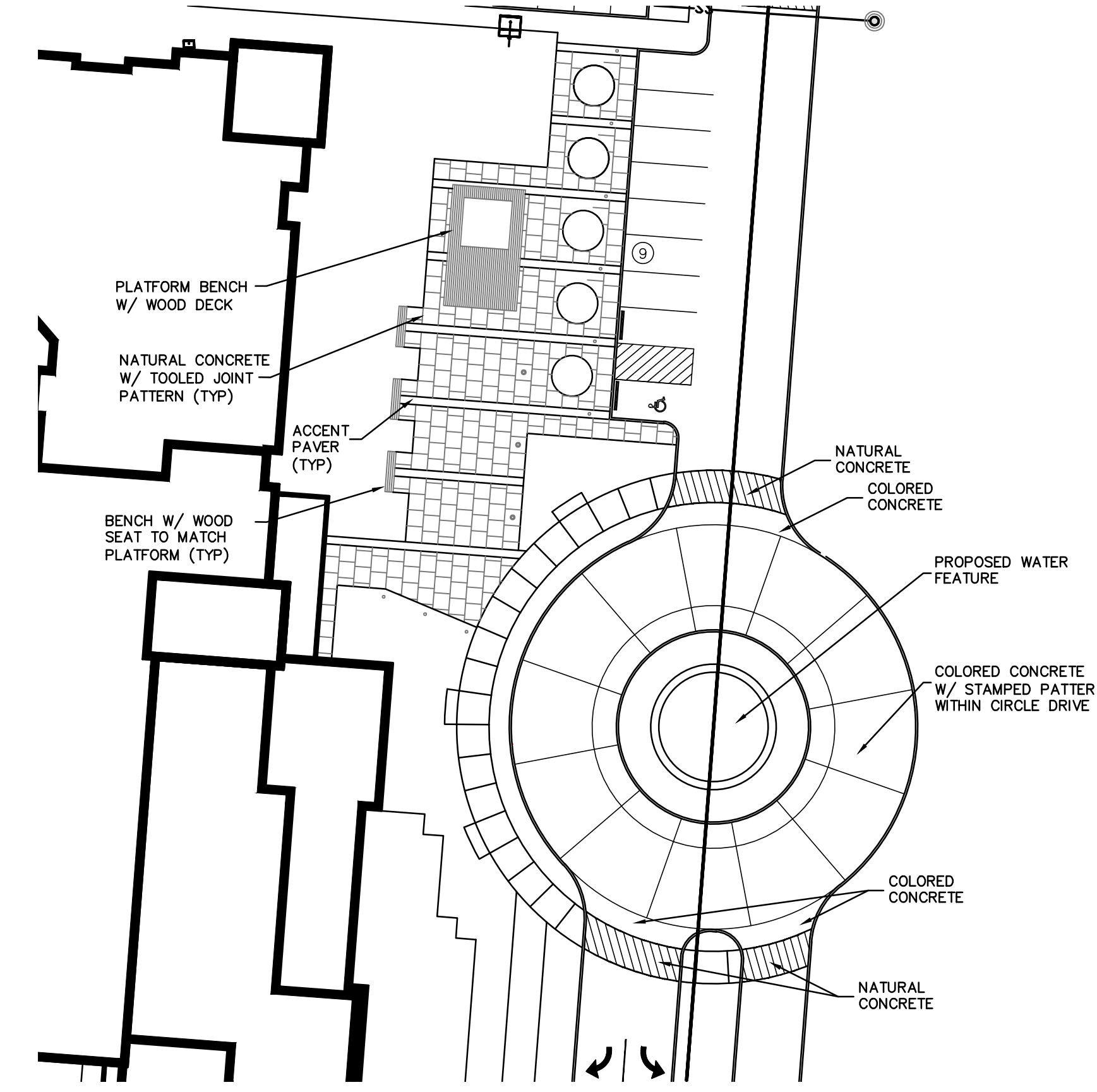
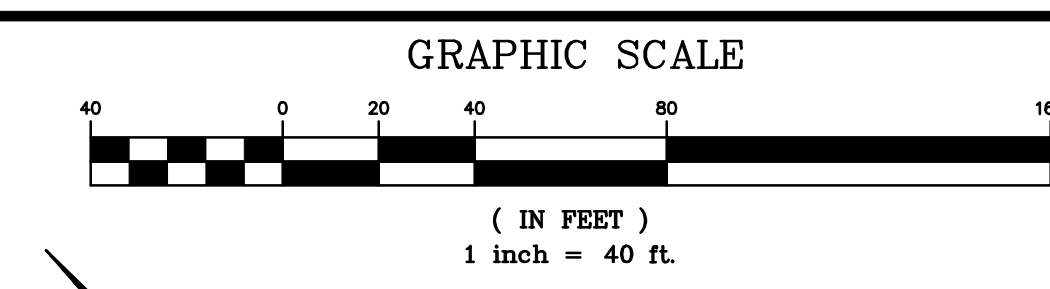
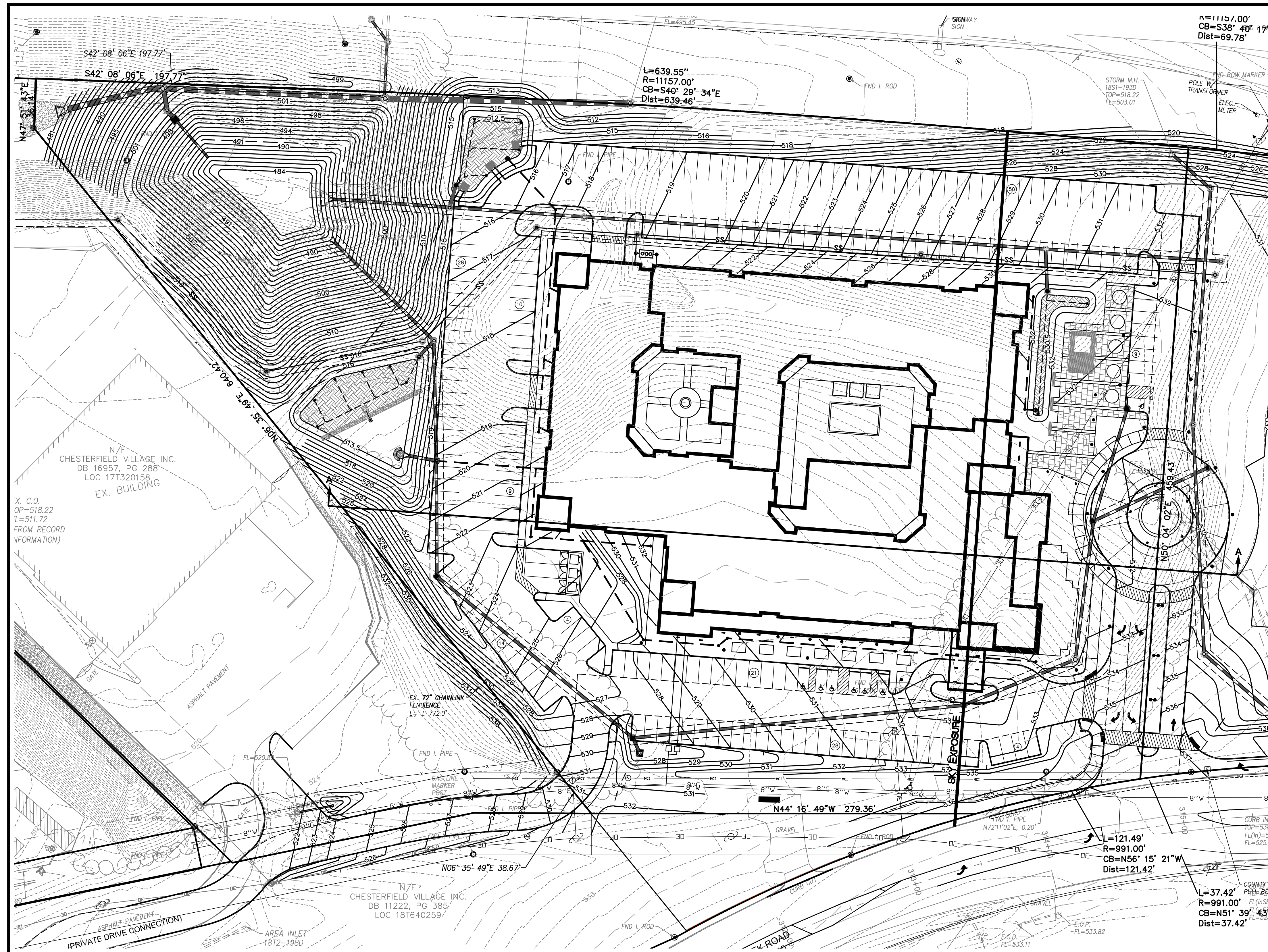
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4234

HAT S.U.P. #
-

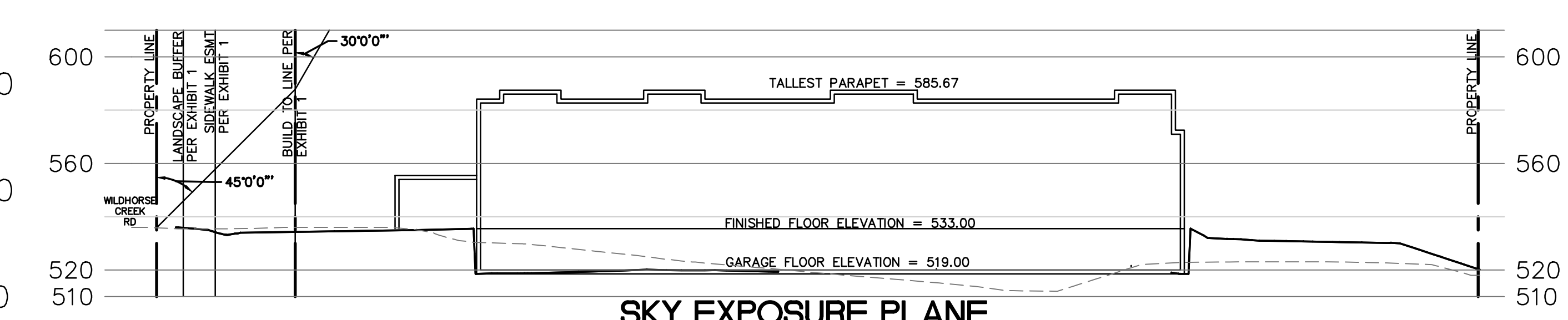
M.D.N.R. #
-

SHEET TITLE:
SITE PHOTOMETRIC PLAN

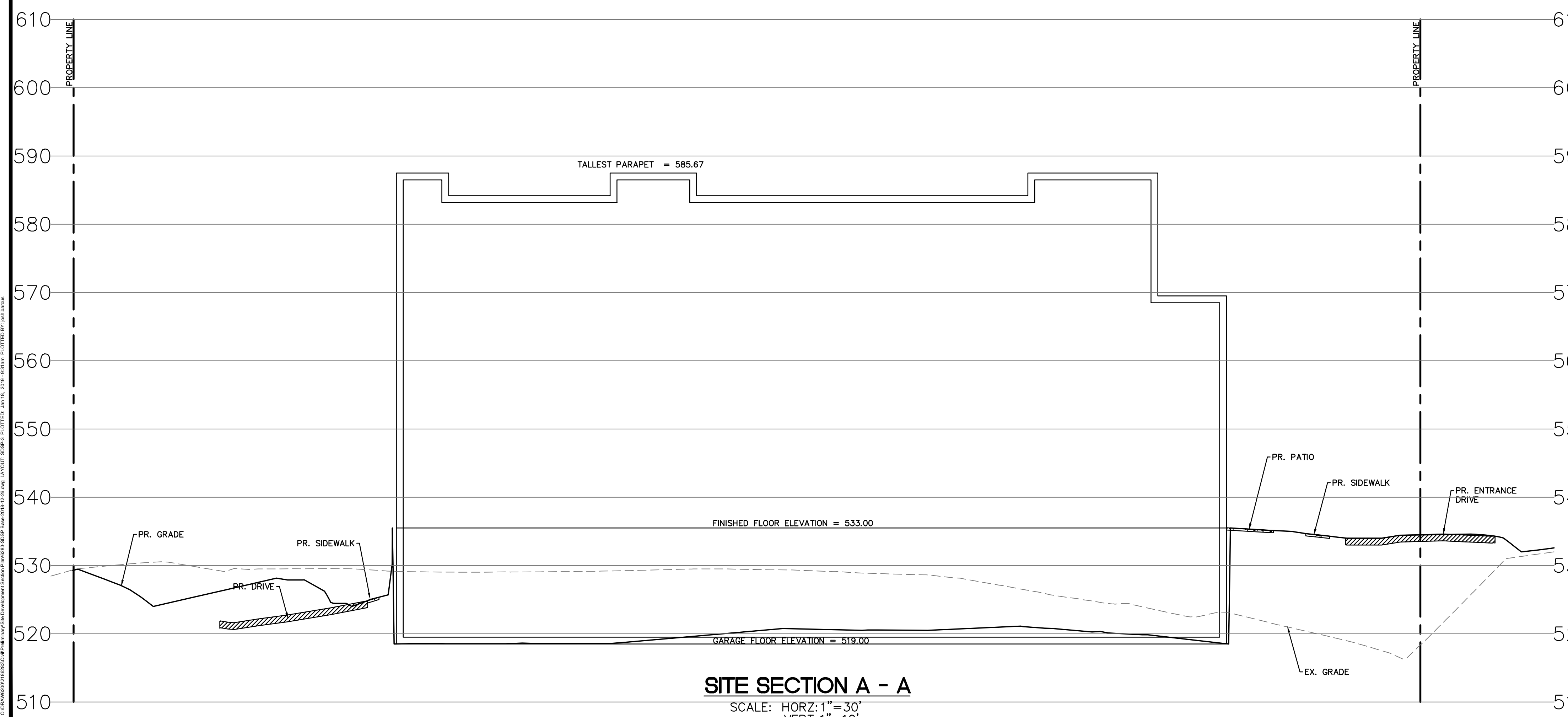
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SDSP-2



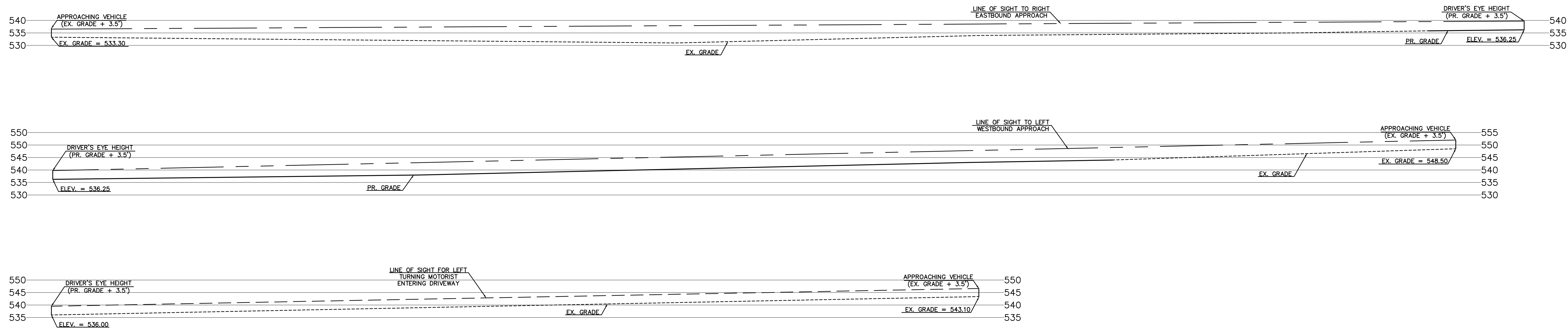
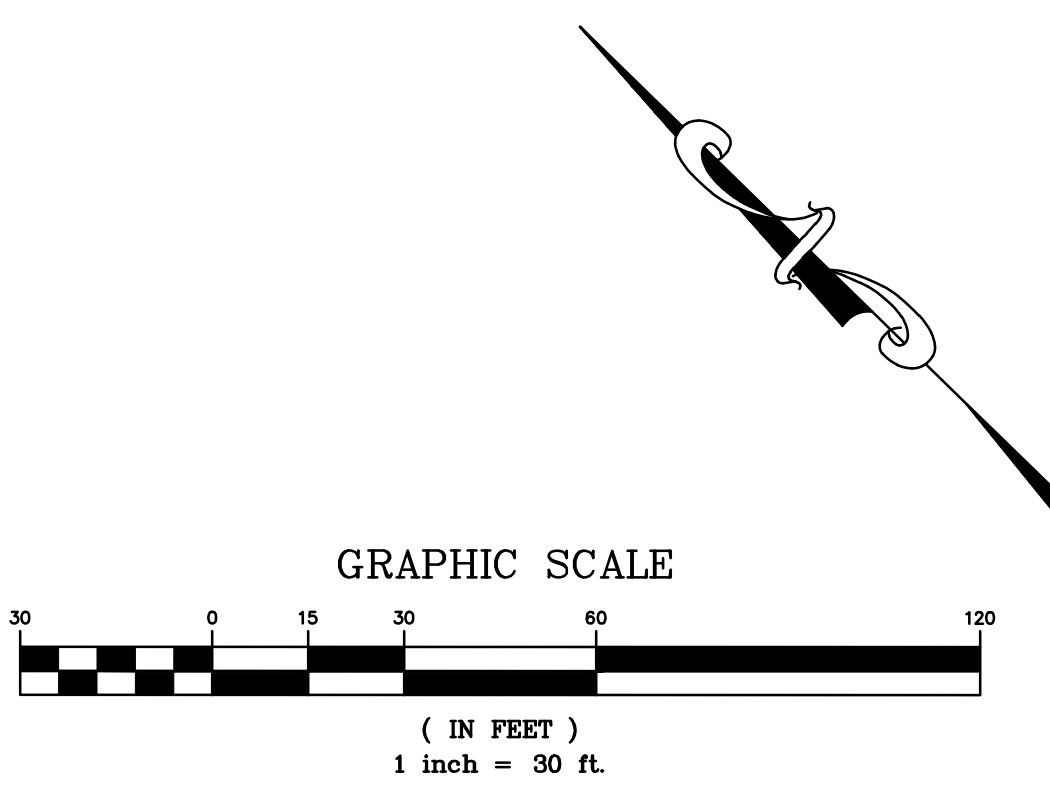
TRASH ENCLOSURE DETAIL
SCALE: 1" = 50'
NOTE: RECYCLING WILL BE PROVIDED



SKY EXPOSURE PLANE
SCALE: 1" = 40'
VERT: 1" = 40'

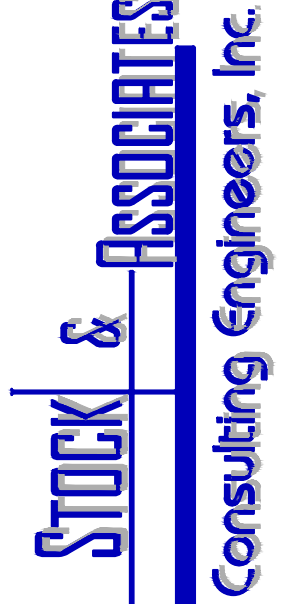


SITE SECTION A - A
SCALE: HORZ: 1" = 30'
VERT: 1" = 10'



SITE SIGHT DISTANCE PROFILES
SCALE: HORZ: 1"=20'
VERT: 1"=20'

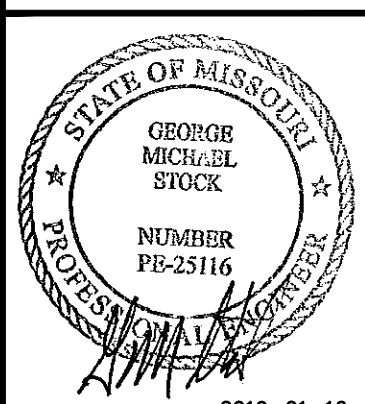
PREPARED BY:



SITE DEVELOPMENT SECTION PLAN FOR:

WILDHORSE

16461, 16491, 16493, 16495, 16503, 165011 WILD HORSE CREEK ROAD
CHESTERFIELD, MO 63005 & 63017



2019-01-16
GEORGE M. STOCK, P.E.
CIVIL ENGINEER
LICENSE NO. E-57522

- REVISIONS:
- 1. 2018-10-29 CITY
 - 2. 2018-12-16 COUNTY
 - 3. 2019-01-04 CITY
 - 4. 2019-01-16 CITY

DRAWN BY:	CHECKED BY:
K.S.C./J.E.B.	G.M.S.
DATE:	JOB NO:
09/07/18	218-6283.4
W.S.D. P. #	BASE MAP #
-	185 & 187
S.L.C. HAT #	HAT SUP. #
4234	-
M.D.N.R. #	

SHEET TITLE:
**ST. LOUIS COUNTY
SIGHT DISTANCE
STUDY**

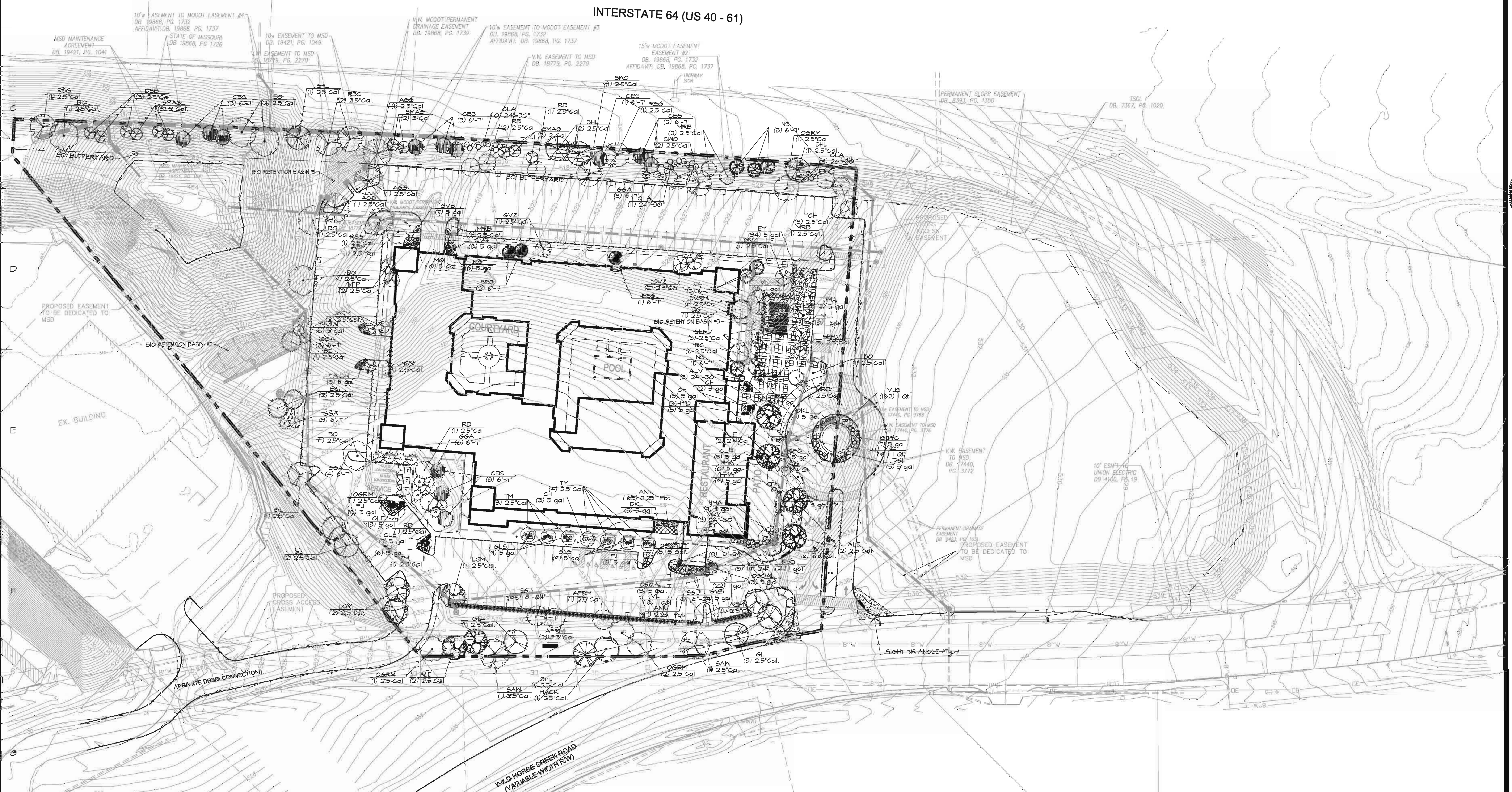
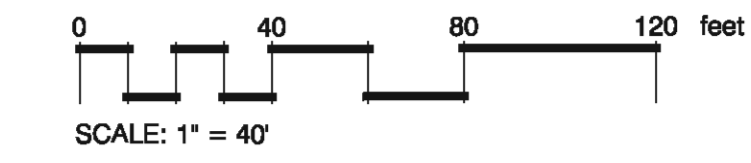
SHEET NO.:
SDSP-4

A

3

- | TYPE | QTY. | PERCENTAGE |
|-------------|------|------------|
| DECIDUOUS: | 120 | 51% |
| ORNAMENTAL: | 50 | 22% |
| EVERGREEN: | 62 | 27% |

- ALL SHRUBS/PERENNIALS WITHIN SIGHT TRIANGLE ZONES TO BE MAINTAINED AT A MAXIMUM HEIGHT OF TWENTY FOUR INCHES (2 FEET); ALL TREES TO BE MAINTAINED WITH A CLEAR HEIGHT FROM GRADE OF TEN (10) FEET.



REVISIONS	BY
1/11/18	RAM
1/26/18	RAM
1/17/18	RAM
4/19	RAM

landscape
TECHNOLOGIES
67 Jacobs Creek Drive
St. Charles, Missouri 63304
Tel: (636) 422-1250
Fax: (636) 422-4963
MC Landscape Architectural Corporation 1A000008162

019
REGISTERED LANDSCAPE ARCHITECT
RANDALL W. MARDIS
MISSOURI LANDSCAPE ARCHITECT #000019
DATE: 1/4/19

Wildhorse

CHESTERFIELD, MISSOURI

DRAWN
R. MARDIS

CHECKED
RWIMEL

DATE
9/6/18

SCALE
1"=40'-0"

JOB No.
2018-153

SHEET

L-1

OF THREE SHEETS

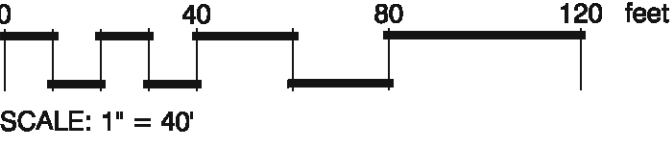
PLANT SCHEDULE																					
TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 10"	10 - 36"	> 3'	< 10"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
DNM	12	Deborah Norway Maple / <i>Acer platanoides</i> 'Deborah'	2.5" Cal.			●														●	
BLPT	12	London Plane Tree / <i>Platanus x acerifolia</i> 'Bloodgood'	2.5" Cal.				●													●	
RO	11	Red Oak / <i>Quercus rubra</i>	2.5" Cal.				●													●	
AM	13	'Flame' Amur Maple / <i>Acer ginnala</i> 'Flame'	2.5" Cal.			●												●			
EVERGREEN TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 10"	10 - 36"	> 3'	< 10"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
TAY-J	12	Taylor Juniper / <i>Juniperus virginiana</i> 'Taylor'	6"-T			●													●		
WS	10	White Spruce / <i>Picea glauca</i>	6"-T			●													●		
FLOWERING TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 10"	10 - 36"	> 3'	< 10"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
FD	13	Pink Flowering Dogwood / <i>Cornus florida rubra</i>	2.5" Cal.				●											●			

TREE GROUPINGS:		
TYPE	QTY	PERCENTAGE
DECIDUOUS:	48	58%
ORNAMENTAL:	13	16%
EVERGREEN:	22	27%

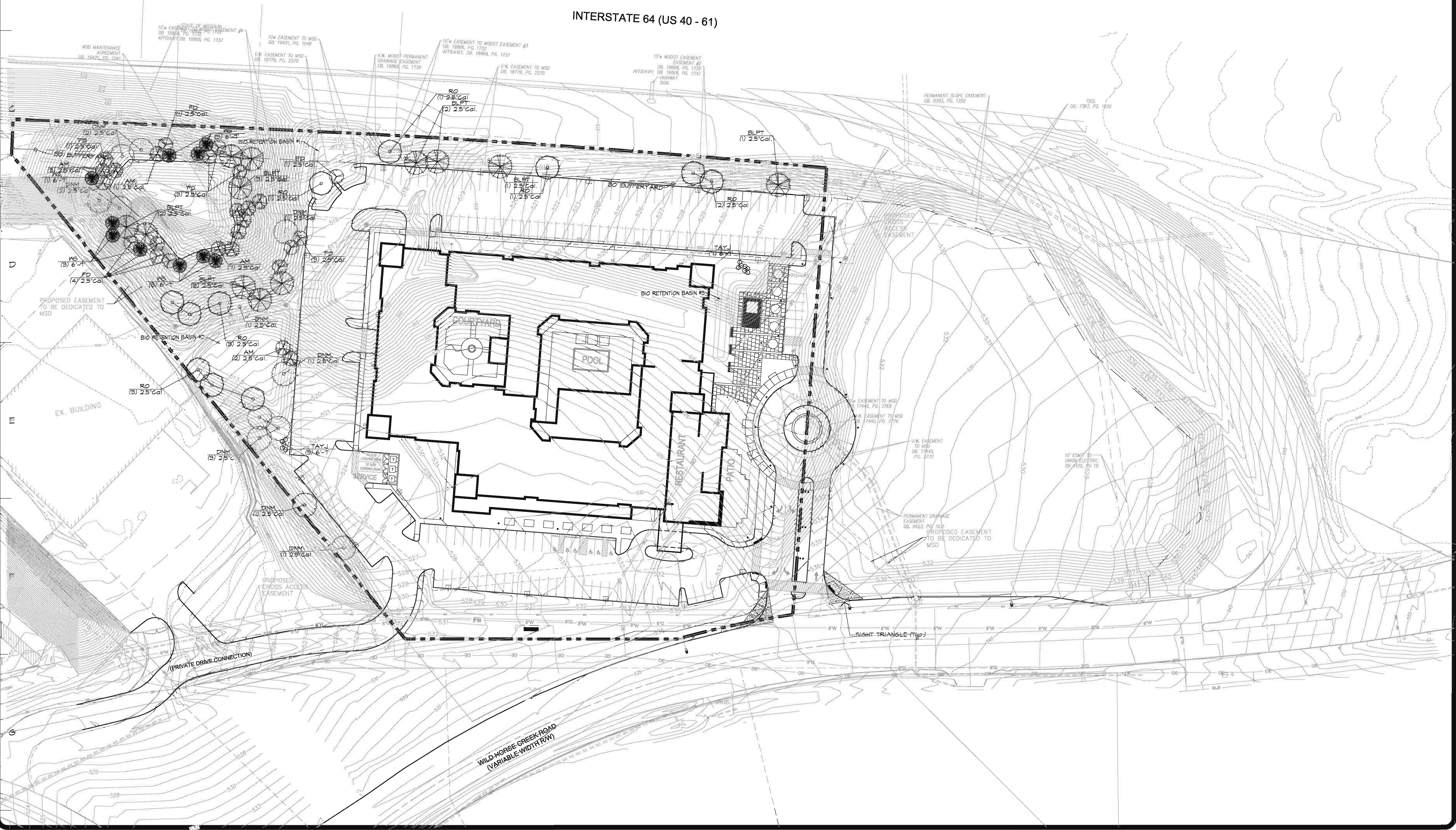
● 36 FAST GROWTH (43%) AND SLOW/MEDIUM GROWTH (57%)



1-800-DIG-RITE



INTERSTATE 64 (US 40 - 61)



Landscap
TECHNOLOGIES
(636) 499-1250
671 Jacobs Creek Drive
Chesterfield, MO 63005
NO Landscape Architectural License #2009020782

RANDAL W. MARDIS
LANDSCAPE ARCHITECT
MISSOURI ARCHITECT #000019
DATE: 1/4/19

MITIGATION PLANTING PLAN FOR THE PROPOSED
The Pearl at Wildhorse Creek
CHESTERFIELD, MISSOURI

DRAWN
R. MARDIS
CHECKED
RAMMEL
DATE
9/6/18
SCALE
1"=40'-0"
JOB NO.
2018-153
SHEET
L-2
OF THREE SHEETS

LANDSCAPE GUIDELINE SPECS:

GENERAL:

- 1) All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment usage. Contractor shall at all times protect all materials and work against injury to public. The landscape contractor shall be responsible for any coordination and sequencing with other site related work being performed by other contractors. Refer to additional drawings for further coordination of work to be done.
- 2) Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the landscape contractor's responsibility to determine or verify the existence of and exact location of the above (Call utility location services in municipality).
- 4) Plant material are to be planted in the same relationship to grade as was grown in nursery conditions. All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before planting of plants. Plant groundcover to within 12" of trunk of trees or shrubs planted within the area.
- 5) It shall be the landscape contractor's responsibility to:
- A.) Verify all existing and proposed features shown on the drawings prior to commencement of work.
- B.) Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
- C.) Stake the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect ten (10) days prior to installation.
- 6) Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify all quantities and conditions prior to implementation of this plan. No substitutions of types or size of plant materials will be accepted without written approval from the landscape architect.
- 7) Provide single-stem trees unless otherwise noted in plant schedule.
- 8) All plant material shall comply with the recommendations and requirements of ANSI Z601 "American Standards for Nursery Stock".
- 9) It shall be the contractor's responsibility to provide for inspection of the plant material by the Landscape Architect (or Owner's Representative) prior to acceptance. Inspections take place before, during or after installation. Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscape contractor's expense.
- 10) All bids are to have unit prices listed. The Owner has the authority to delete any portion of the contract prior to signing the contract or beginning work. This will be a unit price contract; quotes shall be valid for 12 months.
- 11) Should auger equipment be utilized in excavating any plant pits, vertical sides of plant pits shall be thoroughly scarified to avoid creation of "polished side walls" prior to plant material installation.
- 12) All excess topsoil, rocks, debris and/or tainted soils shall be removed by the general contractor prior to point project is turned over to the landscape contractor to commence landscape installation.
- 13) Keep all plant material (except burl) a minimum of 36" clear of fire hydrants.
- 14) Landscape contractor shall kill & remove all existing weeds within the project site.
- 15) All tags, nursery stakes, labels, etc. shall be removed by the landscape contractor at completion of all landscape installation.
- 16) Landscape contractor shall be in compliance with all federal, state and local laws / regulations relating to insect infestation and/or plant diseases.
- 17) All substitutions of plant material shall be submitted to landscape architect for approval.

PRUNING:

- 1) Lightly prune trees at time of planting. Prune only the crossover limbs, intermingled leaders and/or any broken branches. Some interior twigs and lateral branches may be pruned. However, do not remove the terminal buds of branches that extend to the edge of the crown.
- 2) All pruning shall comply with ANSI A300 standards.

INSURANCE:

- 1) The landscape contractor shall submit certificates of insurance for workman's compensation and general liability.

MULCH:

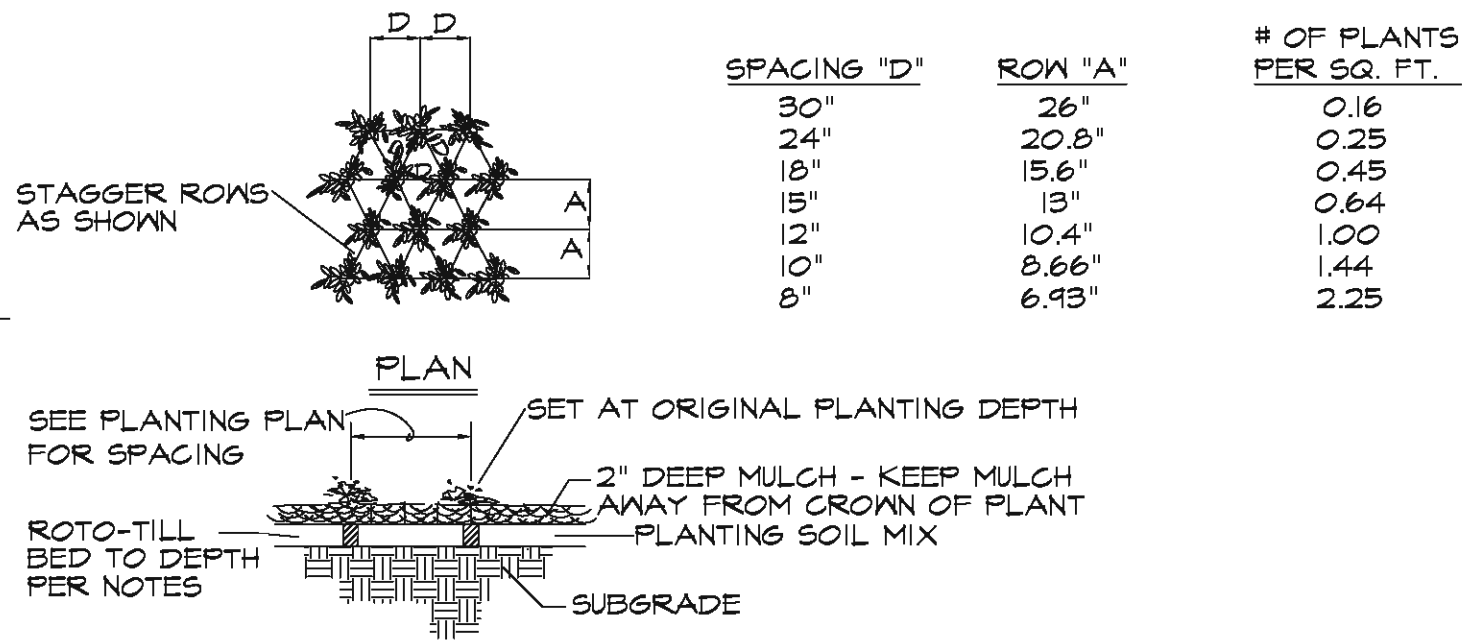
- 1) All mulch to be shredded oak bark mulch at 3" depth (after compaction) unless otherwise noted. Mulch shall be clean and free of all foreign materials, including weeds, mold, deleterious materials, etc.
- 2) No plastic sheeting or filter fabric shall be placed beneath shredded bark mulch beds. Miraf fabric shall be used beneath all gravel mulch beds. Lap fabric 6" over adjacent coverages.
- 3) Edge all beds with spade-cut edge unless otherwise noted.

EROSION CONTROL BLANKET (Where applicable):

- 1) All seeded areas on slopes greater than 4:1 shall receive an erosion control blanket that shall consist of loose straw mat and anchor pins as manufactured by: Northern American Green, DS 75 or approved equal. Install per manufacturer's recommendations.

PLUG PLANTING NOTES:

- 1) All plugs to be 4-1/2" deep X 2" diameter minimum.
- 2) Plugs are to be planted in a hole dug with a trowel, spade or planting bar such that the hole is of a minimum diameter and depth to accommodate the plug and its roots, without damage.
- 3) Plugs shall be spaced in a triangulated layout approximately 24" on center. Plugs shall be planted through erosion control blanket where appropriate.
- 4) Obtain plugs from a reputable nursery.
- 5) Water plugs upon completion of planting so that soil is moist but not saturated.
- 6) If planting is delayed more than six hours after delivery, store plugs in the shade, protect from weather and mechanical damage and keep them moist and cool. All plugs shall be planted within 24 hours after delivery.



FORB/GRASS PLANTING DETAIL

N.T.S.

PLANTING, WATER and MULCH REQUIREMENTS

WATER AVAILABILITY	REQUIRED PLANTING PERIOD	MINIMUM PLANTER SIZE	WATER REQUIREMENT FIRST 3 WEEKS	WATER REQUIREMENT AFTER 3 WEEKS	MAXIMUM MULCH DEPTH
NO AVAILABILITY TO WATER AFTER	LATE, FEB. ONLY	2.25"x3.75" OR LARGER	1" (60 MIN.) EVERY 4 DAYS	1" (60 MIN.) EVERY 7 DAYS UNTIL PLANTS ESTABLISHED	1.5" FOR PLUGS 2.5" FOR QUARTS
MANUAL WATERING WITH STANDARD SPRINKLER	LATE, FEB. TO EARLY JUNE OR OCTOBER	4.5"x6" OR LARGER	1" (60 MIN.) EVERY 4 DAYS IN SPRING AND FALL	1" (60 MIN.) EVERY 7 DAYS UNTIL PLANTS ESTABLISHED	1.5" FOR PLUGS 2.5" FOR QUARTS
AUTOMATIC IRRIGATION (WATER MORE FREQUENTLY THAN NORMAL DURING FIRST TWO MONTHS AFTER PLANTING)	LATE, FEB. TO EARLY JUNE OR OCTOBER	2.25"x3.75" OR LARGER	1" (60 MIN.) EVERY 4 DAYS IN SPRING AND FALL	1" (60 MIN.) EVERY 7 DAYS UNTIL PLANTS ESTABLISHED	1.5" FOR PLUGS 2.5" FOR QUARTS

MAINTENANCE:

- 1) Landscape Contractor shall provide a separate proposal to maintain all plants, shrubs, groundcover, perennials and annuals for a period of 12 months after acceptance.
- 2) Contractor shall ensure that only competent and trained personnel shall provide such services and that such services be provided in a timely manner.
- 3) Watering of seeded or sodded lawns shall begin immediately and shall continue to be provided continuously for the following 72 hours. Regardless, the landscape contractor shall be responsible for all landscape maintenance until project turnover.

SIGHT TRIANGLES:

- 1) No landscape material or other obstructions shall be placed or be maintained within the sight distance area so as not to impede the vision between a height of thirty inches (30") and ten feet (10') above the adjacent street or paving surfaces.
- 2) Sight triangles at the intersection of a public street and a private access way (except for single family residences) shall also be formed by measuring from the point of intersection of the street frontage curbs and the entrance curb lines a distance of 35' and connecting the points so established to form the sight triangle area.

TOPSOIL:

- 1) Topsoil mix for all proposed landscape plantings shall be five (5) parts well-drained screened organic topsoil to one (1) part Canadian sphagnum peat moss as per planting details. Roto-till topsoil mix to a depth of 6" minimum and grade smooth.
- 2) Provide a soil analysis, as requested, made by an independent soil-testing agency outlining the % of organic matter, inorganic matter, deleterious material, pH and mineral content.
- 3) Any foreign topsoil used shall be free of roots, stumps, weeds, brush, stones (larger than 1"), litter or any other extraneous or toxic material. Landscape contractor shall be fully responsible for correcting all negative soil issues prior to plant installation. Killing and removal of all weeds shall be the responsibility of the landscape contractor as part of this task.
- 4) Landscape contractor to apply pre-emergent herbicide to all planting beds upon completion of planting operations and before application of shredded bark mulch.
- 5) Install siltation controls prior to commencement of any grading operations. Inspect and maintain all siltation fences on a weekly basis until vegetation is established.

MISC. MATERIAL:

- 1) Provide stakes and deadmen of sound, new hardwood, free of knotholes and defects.
- 2) Tree wrap tape shall be 4" minimum, designed to prevent borer damage and winter freezing. Additionally, only 3-ply tying material shall be used.

TURF:

- 1) All disturbed lawn areas to be seeded with a mixture of Turf-Type fescue (300# per acre) and bluegrass (18# per acre). Lawn areas shall be unconditionally warranted for a period of 90 days from date of final acceptance. Bare areas more than one square foot per any 30 square feet shall be replaced.
- 2) Seed and fertilization operations shall occur between May 1 and June 15th or between September 1 and October 15th unless directed by others in writing AND irrigation system is operating.
- 3) Granular or pelleted fertilizer consisting of 50% water-insoluble slow release nitrogen, phosphorous and potassium in a 12-12-12 composition.
- 4) The turf contractor shall be responsible for protection of finished grade; restore and repair any erosion or water damage and obtain owners' approval prior to seeding or sod installation.
- 5) Landscape contractor shall offer an alternate price for sod in lieu of seed. Sod shall be cut at a uniform thickness of 3/4". No broken pieces, irregular pieces or torn pieces will be accepted.
- 6) Any points carrying concentrated water loads and all slopes of 15% or greater shall be sodded.
- 7) All sod shall be placed a maximum of 24 hours after harvesting.
- 8) Recondition existing lawn areas damaged by contractor's operations including equipment/material storage and movement of vehicles.
- 9) Sod Contractor to ensure sod is placed below sidewalk and all paved area elevations to allow for proper drainage.

WARRANTY:

- 1) All plant material (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after complete installation of all landscape material at 100% of the installed price.
- 2) Any plant material found to be defective shall be removed and replaced within 30 days of notification or in growth season determined to be best for that plant.
- 3) Only one replacement per tree or shrub shall be required at the end of the warranty period, unless loss is due to failure to comply with the warranty.
- 4) Lawn establishment period will be in effect once the lawn has been mowed three times. Plant establishment period shall commence on the date of acceptance and 100% completion.
- 5) A written guarantee shall be provided to the owner per conditions outlined in #1 above.

BIO-RETENTION MAINTENANCE PROCEDURES:

- ADD 2-4 INCHES OF MULCH (SEE CIVIL DWGS. FOR TYPE) TO THE ENTIRE NEWLY PLANTED RAIN GARDEN/BIO-RETENTION AREA. DO NOT COVER THE CROWNS OF THE PERENNIALS REPLENISH THE MULCH AS NEEDED.
- AVOID FINE CUT OR LIGHTER WEIGHT MULCHES AS THEY FLOAT IN NET CONDITIONS.
- PRUNE ANY DEAD, DISEASED OR DAMAGED PLANTS AS SOON AS THE PROBLEM IS NOTICED. DEAD/HEAD PLANTS AS NEEDED AND DIVIDE PERENNIALS EVERY 3-4 YEARS AS NEEDED. LEAVE STEMS AND SEED HEADS STANDING IN FALL/WINTER TO ADD VISUAL INTEREST AND TO PROVIDE FOOD AND COVER FOR BIRDS.
- PRUNE THE FOLIAGE OF PERENNIALS WHEN THEY DIE BACK FOR THE WINTER AND ORNAMENTAL GRASSES BEFORE NEW GROWTH BEGINS IN THE SPRING.
- HAND WEED BIWEEKLY UNTIL PLANTS ARE ESTABLISHED. THEREAFTER, REMOVE OR SPOT KEEPS AS NECESSARY.
- WATER THE GARDEN DURING ITS ESTABLISHMENT AND EXTENDED DRY PERIODS. ONE INCH OF WATER PER WEEK IS RECOMMENDED.
- DO NOT USE LAWN FERTILIZERS NEAR GARDEN AREA AS THIS WILL STIMULATE WEED GROWTH.
- EACH SPRING, MOW AND REMOVE DEAD VEGETATION. USE BURNING ONLY UNDER SUPERVISION OF LOCAL FIRE DEPARTMENT (NATIVE PLANTS THRIVE UNDER FIRE MANAGEMENT).

NOTE:

- ALL NATIVE GRASS PLUGS ARE TO BE A MINIMUM 4.5" DEEP X 3" DIAMETER
- CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS TO BE APPROVED BY THE PROJECT ENGINEER AND MSD. CONTACT MSD AT 314/259-2072.
- DURING CONSTRUCTION, THE BIO-RETENTION AREAS MAY TRAP SEDIMENT. FINAL CONSTRUCTION AND PLANTING OF THE BIO-RETENTION AREAS SHALL BE COMPLETED AFTER SILT AND DEBRIS IS REMOVED.
- HEAVY EQUIPMENT SHALL BE KEPT OFF OF THE SOIL MIX DURING CONSTRUCTION OPERATIONS TO AVOID COMPACTING, FOOT TRAFFIC AND PRE-SOAKING TO AID NATURAL COMPACTION IS ALLOWABLE.
- SOIL pH SHALL FALL IN THE RANGE OF 5.5 AND 7.
- SEE CIVIL DRAWINGS FOR CROSS-SECTIONAL DETAILS OF MULCH AND SOIL MAKEUP.

PLANT SCHEDULE

TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
ALE	6	Athens Lacebark Elm / Ulmus parvifolia 'Emer I'	2.5" Cal																		
ABM	2	Autumn Blaze Maple / Acer x Freemanii 'Jeffersred'	2.5" Cal																		
ASB	3	Autumn Gold Einkgo / Ginkgo biloba 'Autumn Gold' TM	2.5" Cal																		
BC	5	Bald Cypress / Taxodium distichum	2.5" Cal																		
BO	4	Burr Oak / Quercus macrocarpa	2.5" Cal																		
HACK	1	Common Hackberry / Celtis occidentalis	2.5" Cal																		
GVZ	4	Green Vase Zelkova / Zelkova serrata 'Green Vase'	2.5" Cal																		
SL	7	Greenspire Littleleaf Linden / Tilia cordata 'Greenspire'	2.5" Cal																		
LSM	3	Legacy Sugar Maple / Acer saccharum 'Legacy'	2.5" Cal																		
RSS	5	Ratundiloba Sweet Gum / Liquidambar styraciflua 'Ratundiloba' TM	2.5" Cal																		
SAV	2	Santaoloth Oak / Quercus acutissima	2.5" Cal																		
SVRM	1	Sun Valley Red Maple / Acer rubrum 'Sun Valley'	2.5" Cal																		
SWO	3	Swamp White Oak / Quercus bicolor	2.5" Cal																		
TM	3	Tatarian Maple / Acer tataricum	2.5" Cal																		
AFRM	3	'Autumn Flame' Maple / Acer rubrum 'Autumn Flame'	2.5" Cal																		
OSRM	5	'October Glory' Maple / Acer rubrum 'October Glory'	2.5" Cal																		
SKL	5	'Skyline' Lacust / Gloditella triacanthos 'Skyline'	2.5" Cal																		

EVERGREEN TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
BBS	3	Bakeri Blue Spruce / Picea pungens 'Bakeri'	6"-7"																		
GBS	12	Colorado Blue Spruce / Picea pungens 'Glauca'	6"-7"																		
GSA	14	Green Giant Arborvitae / Thuja plicata 'Green Giant'	6"-7"																		
NS	6	Norway Spruce / Picea abies	6"-7"																		
FLOWERING TREES	QTY	COMMON NAME / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
DSB	3	Dorothy Serviceberry / Amelanchier arborea	2.5" Cal																		
MRE	3	Merlot Redbud / Cercis x Merlot'	2.5" Cal																		
NFP	2	Newport Flowering Plum / Prunus cerasifera 'Newport'	2.5" Cal																		
RB	5	Redbud / Cercis canadensis	2.5" Cal																		
SERV	3	Robin Hill Serviceberry / Amelanchier X grandiflora 'Robin Hill'	2" Cal																		
SMAS	3	Saucer Magnolia / Magnolia X soulangiana	2" Cal																		
JNEM	3	Sweetbay Magnolia / Magnolia virginiana 'Jim Niles'	2.5" Cal																		
TCH	3	Thornless Cockspur Hawthorn / Crataegus crusgalli var. inermis	2.5" Cal																		

SHRUBS	QTY	COMMON NAME / BOTANICAL NAME	SIZE
ALV	6	Alleghany Leatherleaf Viburnum / Viburnum rhytidophyllum 'Alleghany'	24"-30"
CLA	30	Chicago Luster Arnonweod / Viburnum dentatum 'Chicago Luster'	24"-30"
CH	3	China Bay/Biri Holly / Ilex meserveae 'China Bay/Biri' TM	5 gal
YAJUN	10	Compact Youngstown Andorra Juniper / Juniperus horizontalis 'Youngstown'	5 gal
DKL	21	Dwarf Korean Lilac / Syringa meyeri 'Pallidin'	5 gal
ESHYD	3	Endless Summer Hydrangea / Hydrangea macrophylla 'Endless Summer' TM	5 gal
EY	43	Everlon Yew / Taxus x media 'Everlon'	5 gal
GCFC	12	Golden Charm Faise Cypress / Chamaecyparis pisifera filifera 'Golden Charm'	5 gal
GVV	20	Green Velvet Boxwood / Buxus 'Green Velvet'	5 gal
GLS	18	Gro-Low Fragrant Sumac / Rhus aromatica 'Gro-Low'	5 gal
HMA	24	Hetz Midget Arborvitae / Thuja occidentalis 'Hetz Midget'	5 gal
LHI	3	Little Henry Sweetspire / Itea virginica 'Little Henry' TM	18"-24"
FJ	17	Procrumbens Juniper / Juniperus procumbens 'Nana'	5 gal
SBJ	14	Sea Green Juniper / Juniperus chinensis 'Sea Green'	18"-24"
GLE	23	Hummingbird Summersweet / Clethra alnifolia 'Hummingbird'	5 gal

ANNUALS/PERENNIALS	QTY	COMMON NAME / BOTANICAL NAME	SIZE
HRD	20	Happy Returns Daylily / Hemerocallis hybrid 'Happy Returns'	1 gal
RSD	21	Red Stella Daylily / Hemerocallis hybrid 'Red Stella'	1 gal
VL	14	Variegated Linole / Linole muscari 'Variegata'	1 gal

FORBS	QTY	COMMON NAME / BOTANICAL NAME	SIZE
GAX	166	Golden Alexander / Zizia aurea	2 Qt. @ 18" OC
FFRM	110	Party Favor Rose Malion / Hibiscus lasiocarpus	1 Gal @ 30" OC
SMN	254	Swamp Milkweed / Asclepias incarnata	2 Qt. @ 24" OC

GRASSES	QTY	COMMON NAME / BOTANICAL NAME	SIZE
MS	16	Maiden Grass / Miscanthus sinensis 'Gracillimus'	5 gal

ROSES	QTY	COMMON NAME / BOTANICAL NAME	SIZE
OSOAL	4	OSO Easy At Last Rose / Rosa x 'OSO Easy At Last'	5 Gal.

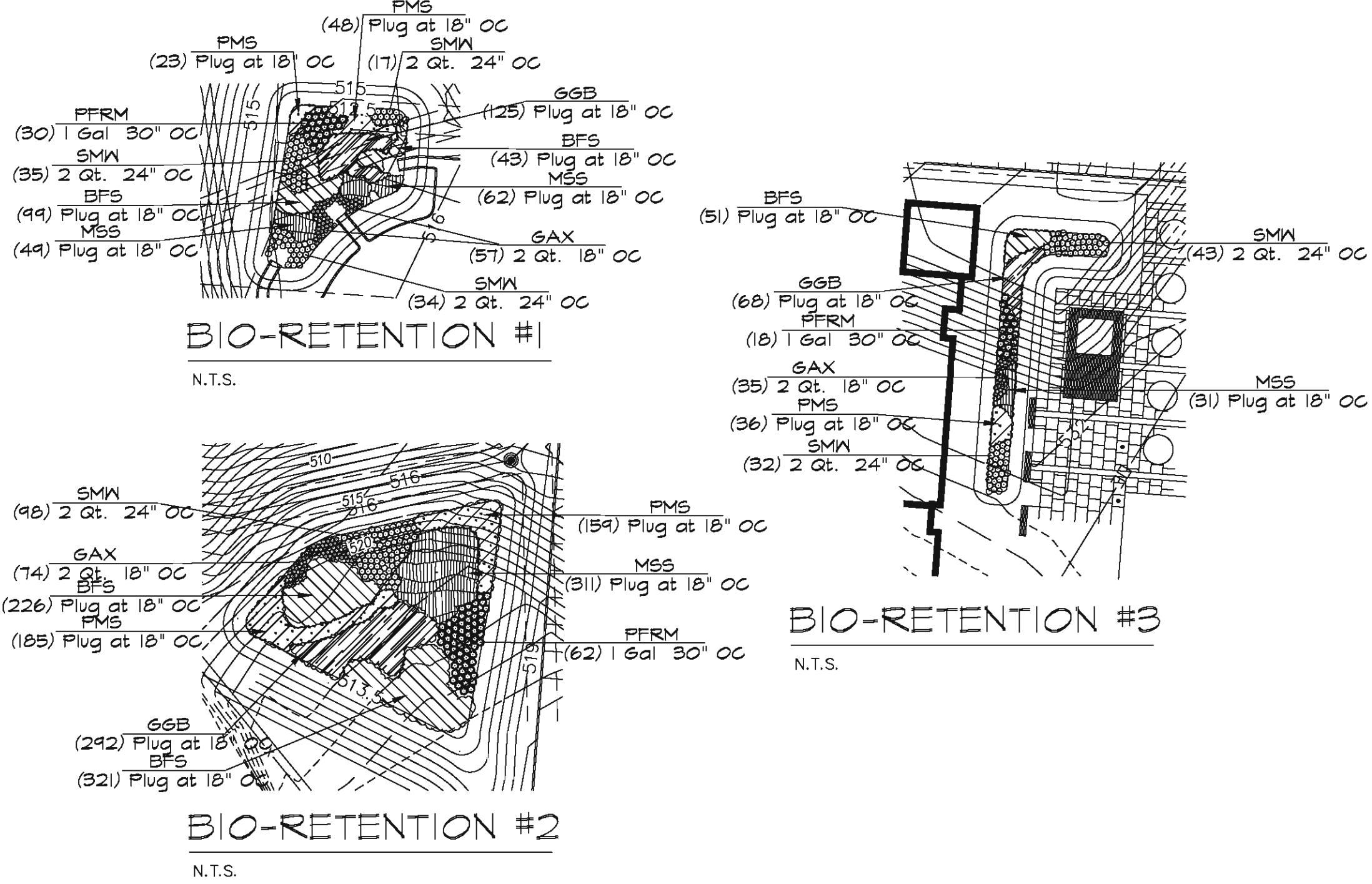
GROUND COVERS	QTY	COMMON NAME / BOTANICAL NAME	SIZE
	262	Mixed Annuals / Min. of Five Varieties	2.25' Pot

NATIVE GRASSES	QTY	COMMON NAME / BOTANICAL NAME	SIZE
	140	Brown Fox Sedge / Carex vulpinoidea	Plug at 18" OC

	485	Great Green Bulrush / Scirpus atrovirens	Plug at 18" OC
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	453	Morning Star Sedge / Carex grayi	Plug at 18" OC
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	451	Palm Sedge / Carex muskingumensis	Plug at 18" OC
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REVISIONS	BY
10/11/18	RAM
10/26/18	RAM
12/17/18	RAM

Landscape TECHNOLOGIES

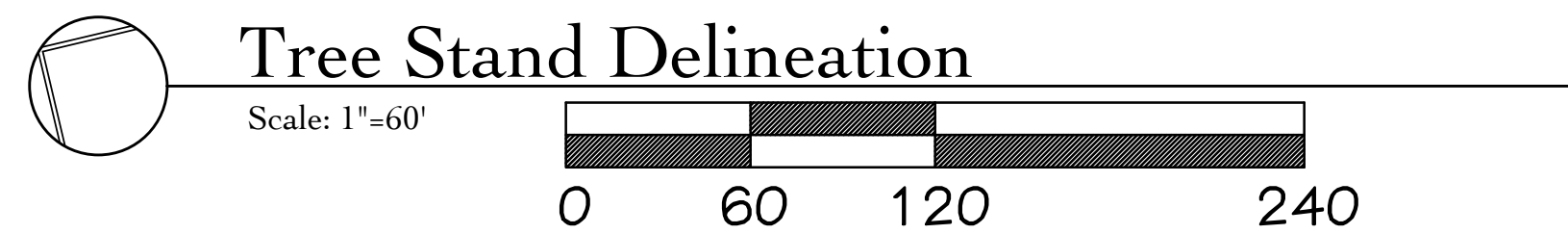
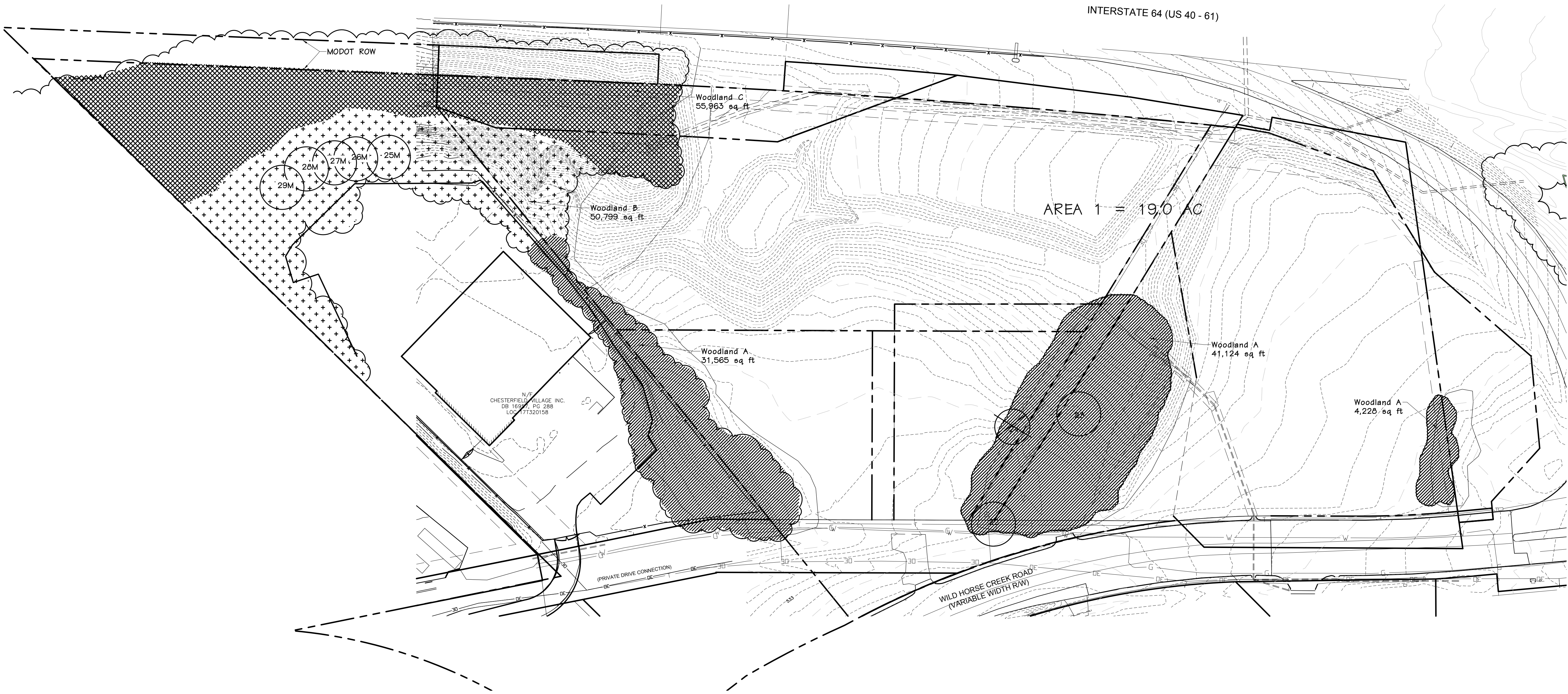
611 Jacobs Creek Drive
St. Louis, MO 63114
TEL: 314.291.1111
FAX: 314.291.1112
WWW.LANDSCAPETECHNOLOGIES.COM

RANDALL M. MARKS
MISSOURI LANDSCAPE ARCHITECT 0000018
DATE: 1/4/19

REGISTERED

MASTER PLANTING PLAN FOR THE PROPOSED
Wildhorse
CHESTERFIELD, MISSOURI

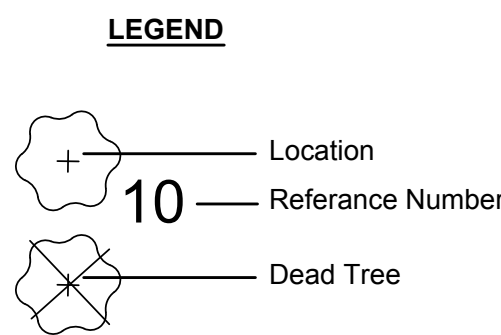
DRAWN R. MARKS	CHECKED RAM/VEL
DATE 9/6/18	SCALE 1"=40'-0"
JOB NO. 2018-153	SHEET L-3
OF THREE SHEETS	



Project Tree ID	Latin Name	Common Name	DBH	Height (ft.)	Canopy Spread (ft.)	Condition	Number of Stems
1	Gleditsia triacanthos var inermis	honeylocust thornless	26	41-50	41-50	Dead (0)	1
2	Quercus palustris	oak pin	38	51-60	41-50	Poor (50-59)	1
3	Morus species	mulberry	12	31-40	31-40	Fair (60-69)	1
4	Liquidambar styraciflua	sweetgum	26	41-50	31-40	Good (70-79)	1
5	Liquidambar styraciflua	sweetgum	30	51-60	41-50	Good (70-79)	1
6	Prunus serotina	cherry black	26	41-50	31-40	Fair (60-69)	1
7	Betula nigra	birch river	8	21-30	13-20	Fair (60-69)	Multiple Stems
8	Betula nigra	birch river	6	21-30	13-20	Fair (60-69)	Multiple Stems
9	Betula nigra	birch river	9	21-30	13-20	Fair (60-69)	1
10	Betula nigra	birch river	10	21-30	21-30	Fair (60-69)	1
11	Betula nigra	birch river	10	21-30	21-30	Fair (60-69)	1
12	Prunus serotina	cherry black	10	21-30	21-30	Poor (50-59)	Multiple Stems
13	Unmusical rubra	elm slippery	14	31-40	31-40	Fair (60-69)	1
14	Quercus velutina	oak black	14	31-40	31-40	Fair (60-69)	1
15	Quercus velutina	oak black	12	31-40	31-40	Fair (60-69)	1
16	Betula nigra	birch river	10	31-40	21-30	Fair (60-69)	1
17	Morus species	mulberry	12	31-40	21-30	Fair (60-69)	1
18	Unmusical rubra	elm slippery	12	31-40	21-30	Fair (60-69)	1
19	Crataegus phaenopyrum	hawthorn washington	6	20-Nov	13-20	Poor (50-59)	1
20	Crataegus phaenopyrum	hawthorn washington	6	20-Nov	13-20	Fair (60-69)	1
21	Unmusical rubra	elm slippery	28	41-50	41-50	Fair (60-69)	1
22	Juglans nigra	walnut black	42	51-60	41-50	Critical (10-49)	1
23	Juglans nigra	walnut black	40	51-60	41-50	Critical (10-49)	1
24	Juglans nigra	walnut black	32	41-50	41-50	Dead (0)	1

NOTE: These larger trees were located and identified. However, it was determined that none of these met two or more of the criteria to be classified as Monarch trees.

Project Tree ID	Latin Name	Common Name	DBH	Condition
25	Quercus alba	White Oak	28	Monarch
26	Quercus alba	White Oak	28	Monarch
27	Quercus alba	White Oak	28	Monarch
28	Quercus alba	White Oak	28	Monarch
29	Quercus alba	White Oak	28	Monarch



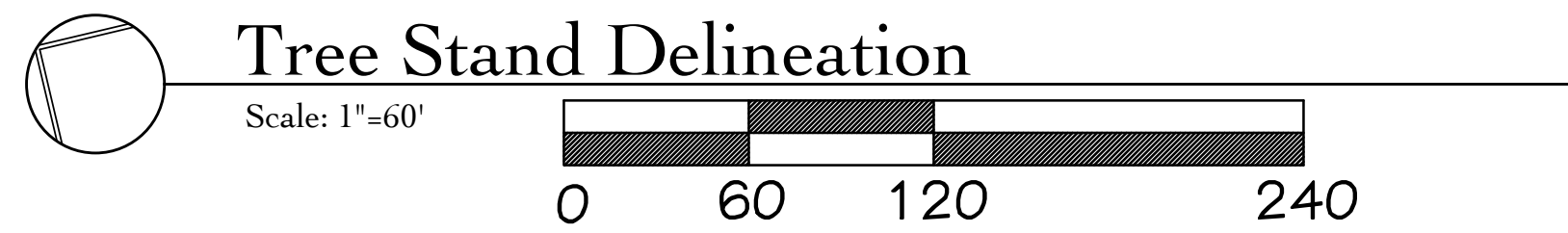
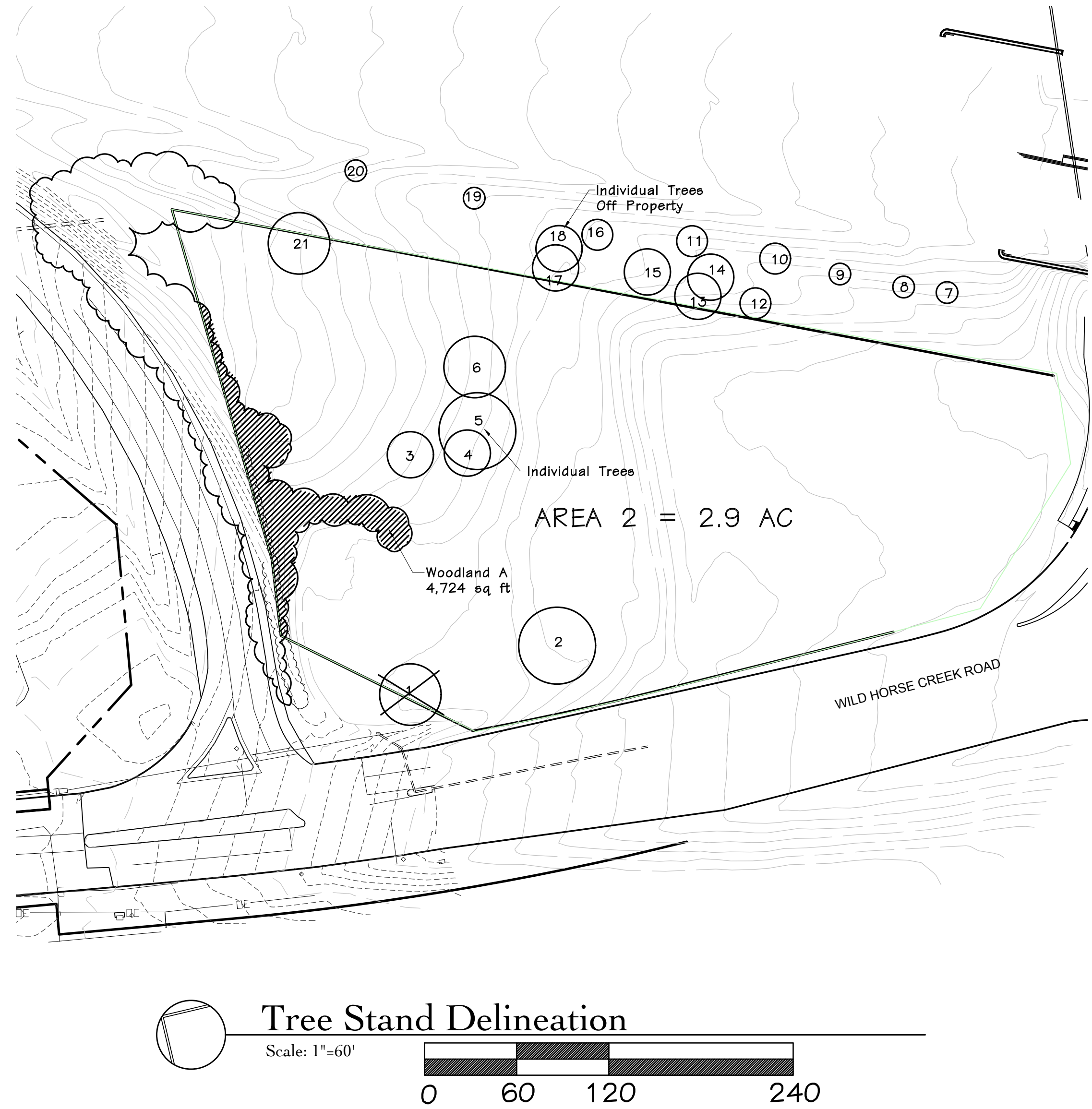
Tree Stand Delineation Narrative
October 23, 2018
The overall properties comprises a total of 21.91 Ac and has a total of 4.5 Ac of Woodlands. The attached detailed Tree Stand Delineation map was completed by field inspection.

Woodland A: The Woodlands are second growth with scattered canopy trees that are 10-14" diameter and a dense understory of honeysuckle. Canopy species include walnut, elm, honeylocust and black locust.

Woodland B: The Woodlands are scattered large canopy trees of White and Red oak that are 18-28" diameter. The understory is primarily Sugar Maple that are 3-8" diameter and honeysuckle.

Woodland C: The Woodlands are second growth with scattered canopy trees that are 6-10" diameter and a dense understory of honeysuckle. Canopy species include sycamore, cottonwood, and black locust.

WOODLAND Area 1	= 4.2 Ac.	(183,679 sq. ft.)
Woodland A	= 76,917 sq. ft.	
Woodland B	= 50,799 sq. ft.	
Woodland C	= 55,963 sq. ft.	
WOODLAND Area 2	= 0.1 Ac.	(4,724 sq. ft.)
INDIVIDUAL TREES	= 0.2 Ac.	(7,142 sq. ft.)
Total Existing Canopy	4.5 Ac	(195,545 sq. ft.)



Tree Stand Delineation Prepared under direction of Skip Kincaid of Hansen's Tree Service
Certified Arborist MW-0155BW

Skip Kincaid
Base Map Provided by: Stock Associates

Douglas A. DeLong, Landscape Architect LA-81

Consultants:



WILDHORSE
Pearl Companies
Chesterfield, Mo.

Date	Description	No.
12/14/18	City Comments	1

Drawn: BD
Checked: DD

DeLong
landscape architecture, LLC
7020 West Bruno Ave
St. Louis, MO, 63117
(314) 346-4856
delong.ta@gmail.com
Missouri State Certificate of Authority: #013800145

Sheet Title:	Tree Stand Delineation
Sheet No:	TSD-1
Date:	10-22-18
Job #:	174.002

Revisions:

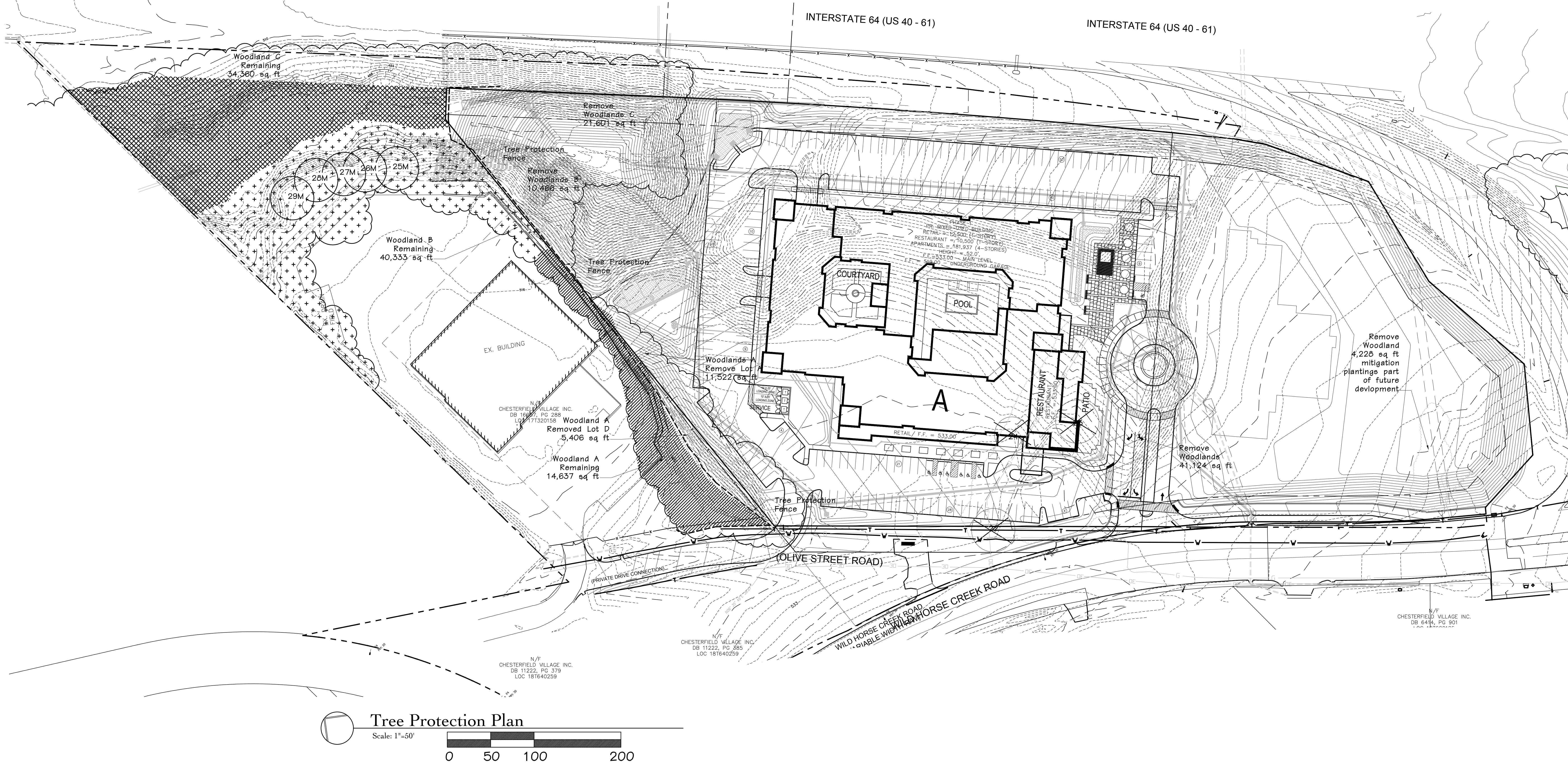
Date	Description	No.
12/14/18	City Comments	1

Drawn: **BD**
Checked: **DD**

Sheet Title: **Tree Protection Plan - 6D&P**

Sheet No: **TPP-2**

Date: **10-22-18**
Job #: **174.002**



NOTE: These larger trees were located and identified. However, it was determined that none of these met two or more of the criteria to be classified as Monarch trees.

MONARCH TREE LIST

Project Tree ID	Latin Name	Common Name	DBH	Condition
25	Quercus alba	White Oak	28	Monarch
26	Quercus alba	White Oak	28	Monarch
27	Quercus alba	White Oak	28	Monarch
28	Quercus alba	White Oak	28	Monarch
29	Quercus alba	White Oak	28	Monarch

TOTAL SITE AREA = 318,249.4 SQ. FT. (7.306 AC)

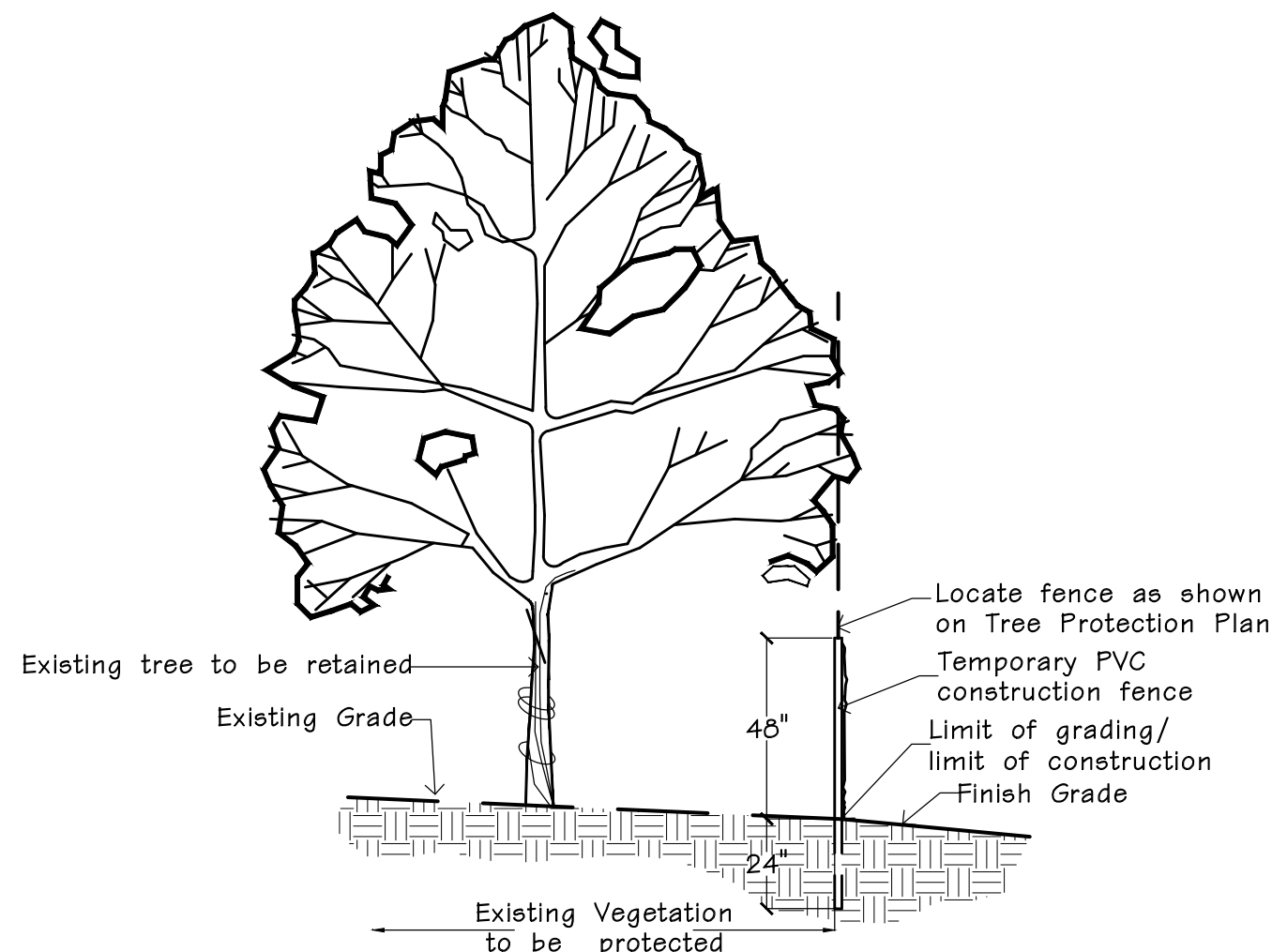
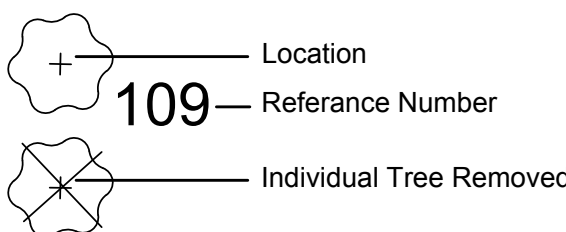
PARCEL A: EXISTING WOODLANDS: 84,715 sq ft
WOODLANDS REMOVED: 84,715 sq ft (100%)
WOODLANDS REMAINING: 0 sq ft Mitigation Required
PRESERVATION REQUIRED: 30% - 25,414.5 SF
MITIGATION REQUIRED: 25,414.5 SF
400 SF FOR LARGE TREES X 32 = 12,800 SF
300 SF FOR MEDIUM TREES X 25 = 7,500 SF
200 SF FOR SMALL TREES X 28 = 5,200 SF
25,500 SF

PARCEL D: EXISTING WOODLANDS: 94,736 sq ft
WOODLANDS REMOVED: 5,406 sq ft (5.7%)
WOODLANDS REMAINING: 89,330 sq ft (94.3%)

TREE PROTECTION NOTES:

- 1) Pre-construction meeting to be held on-site to include a presentation of tree protection measures to operators; construction supervisors; developer's representative; and city zoning inspector.
- 2) Clearing limits shall be rough staked or marked by the applicant's surveyor in order to facilitate location for trenching and fencing installation.
- 3) No early maintenance schedule is required. Where noted on plan, contractor to trench and root prune prior to any grading activity. Required siltation devices to be installed along limit of disturbance line.
- 4) No clearing or grading shall begin in areas where the treatment and preservation measures have not been completed including the installation of tree protection fencing along all "Limit of Disturbance" lines shown on the plan.
- 5) Tree Protection Fencing shall be 4-foot high temporary plastic construction fence. No equipment traffic/parking, concrete washout, material storage or other such construction activity shall be permitted to penetrate the protection fencing or disrupt the Protected Woodland Area except for the removal of dead or invasive plant material. Any proposed plantings shall be subject to the review and approval of the City Arborist. All ground plane shall be mulched with hardwood bark mulch. Tree Protection Signage will be placed along the Protection Fencing as shown as the dashed line on the plan.
- 6) Tree protection measures to be maintained throughout construction sequence.

LEGEND



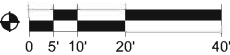
TREE PROTECTION DETAIL
n.t.s.



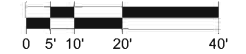
SOUTH ELEVATION



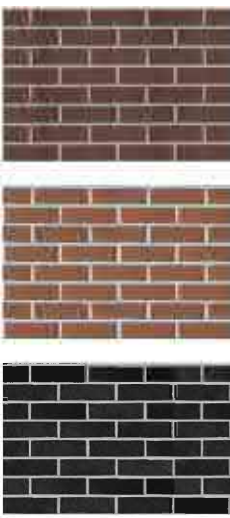
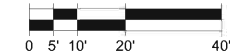
EAST ELEVATION



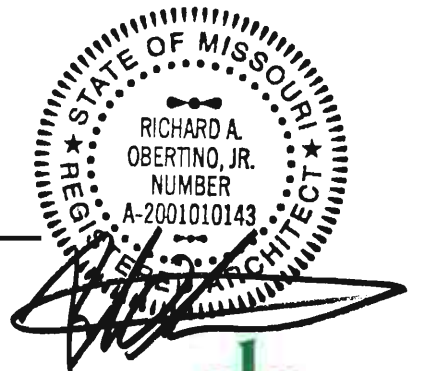
NORTH ELEVATION



WEST ELEVATION



3 BRICK TYPES



WILDHORSE



October 26, 2018

Joseph M. Knight
City Planner
City of Chesterfield

Re: The Pearl at Wild Horse Creek
TR,i Project #: 18-030
ARCHITECT'S STATEMENT OF DESIGN

To Whom it may concern,

As required by Chesterfield's Unified Development Code the following is our Architect's Statement of Design responding to the Architectural review design standards as they apply to our project.

General requirements for site design:

1. Site relationships: The proposed development is located between Interstate 64 and Wild Horse Creek Road adjacent to the East bound I-64 off ramp. The only parcel with direct connection to the site is an existing warehouse development to the west. There are two vehicular access points to the site. The primary vehicular access is via full service curb cut on Wild Horse Creek Road. A secondary access is provide extending west through the existing warehouse site to connect to this development to Old Chesterfield Road. A future hotel use is depicted on the east side of the site plan to demonstrate the over-all site development concept. The proposed and future buildings are organized on the site to define an outdoor space. A water feature will anchor the center of the outdoor space along with a roundabout, which will serve to calm vehicular speed and provide for distribution of traffic within the development. In the center of the proposed development would be a plaza, comprised of a round-a-bout, public art, sidewalks, and park benches. This would be the focal point as one enters the development. All vehicles entering the development would navigate through the round-a-bout, similar to Carondelet Plaza in Clayton, Missouri. The proposed buildings will surround the plaza and bring a "downtown" feel to the area and further the intent of the PC&R by promoting efficient and effective pedestrian and vehicle circulation. Parking for the development will be both surface and below grade garage parking. Residents would utilize the garage while the surface parking would be used by patrons of the restaurant and boutique retail. A valet service will also be a component of the restaurant.
2. Circulation system and access: The site organization emphasizes pedestrian connectivity of uses. Pedestrian access to the site is provide via a sidewalk running the length of the property

along Wild Horse Creek Road. The development plan includes separation between vehicular circulation and pedestrian circulation with a network of public sidewalks within the development. The comprehensive pedestrian circulation system connects street to building, parking areas to building and building use to building use. Parking areas are distributed throughout the site to minimize impact, with forty eight percent (48%) of the proposed initial phase parking being located below the building, away from public view. Landscaping is used along both the internal and external network of sidewalks to add interest to the pedestrian experience. The design incorporates extensive landscaping along the interstate and Wild Horse Creek Road, which can be extended to adjacent properties as they are developed/re-developed, thus providing site connectivity and continuity.

3. Topography: The existing topography slopes from a southern high point down approximately 34 feet to the north on the buildable area of the site. There is approximately 31 feet of additional fall to the northern tip of the site. Modification to the grade is being proposed without the use of site retaining walls. The natural slope of the site is being utilized to facilitate parking below the building. Other slope modifications provide for handicapped pedestrian accessibility throughout the improved areas of the site. Extensive landscaping is used for screening, buffering, and enhancement to the site.
4. Retaining walls: No retaining walls are being proposed.

General requirements for building design:

1. Scale: There are currently no adjacent projects that set a precedent for development consistent with the City of Chesterfield design standards. The site is located between Interstate 64 and Wild Horse Creek Road. This creates the need for the project to express a scale appropriate to fit the smaller scale, more pedestrian oriented feel needed along the Wild Horse Creek Road frontage and the larger highway scaled projects along the I-64 frontage. The façade facing Wild Horse Creek Road utilizes a variety of building form, height and materials to create a dynamic and engaging expression to the public. The I-64 frontage maintains a similar level of animation and use of quality building materials making that facade commensurate with neighboring highway developments.
2. Design: The building design and finishes are coordinated on all sides of the building. The project has a unique character without influence of any corporate identity. The different components of this mixed-use building have individual identities. The proposed restaurant space on the southeast corner features a glass enclosed corner stair leading up and a second-floor bar/dining area with rooftop patio space. The first floor commercial along Wild Horse Creek Road projects from the building forming a continuous roof patio space utilized by the residents above. Decorative lighting, glass storefront, cultured stone and brick are used to create a pedestrian friendly facade. The individual residential living spaces are expressed by building façade offsets, changes in parapet height, balconies, material and color changes.
3. Materials and Colors: Warm earth tone finishes are used throughout the exterior design that are neutral and compatible with many other palettes. The materials include brick, cultured stone, cementitious siding, aluminum storefront, clear low-e glass, architectural windows and doors. Brick cornice and other masonry details are used consistently on all sides of the building.

4. Landscape design and screening: Landscaping is used along the street to create connectivity to adjacent sites. Within the site landscaping is used to enhance the pedestrian experience, screen the service areas, and soften the building's base where it meets the site.
5. Signage: It is understood that signage is reviewed separately.
6. Lighting: All exterior lighting will be fully cut off and will adhere to Chesterfields UDC. Cut sheets of the lighting are included for review, they complement the buildings style.

I trust this information meets your needs. Please advise if you have any questions or comments.

Respectfully,

A handwritten signature in black ink, appearing to read "Daniel Tate". The signature is fluid and cursive, with a large initial "D" and "T".

Daniel Tate
Senior Design Architect



TRi
Architects of the Possible®
© Copyright 2019

BUILDING PERSPECTIVE

TRi
Architects of the Possible®
9812 Manchester Road
St. Louis, Missouri 63119
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WILDHORSE

CHESTERFIELD,
18.030

MISSOURI
02.01.19

Pearl
COMPANIES
glc



SHORT WAREHOUSE SHADE

CLASSIC SERIES / 2000 LUMENS



SW-LW - EXTERIOR / WET LOCATION

APPLICATION

The Short Warehouse Shade is a shallow version of most popular Warehouse Shades. LW Series is designed for outdoor wet location.

FEATURES

Spectrum Lighting's RLM Classics are reproductions of early American lighting fixtures reimagined with modern LED light sources and materials. The wide range of options for illumination, mounting, enclosures, guards and finishes allows for creative fixture specification and design. LED module and driver are serviceable for future replacement. Fixture available in two sizes.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. Matte White interior standard. Custom Color interior finishes available.

ELECTRONICS

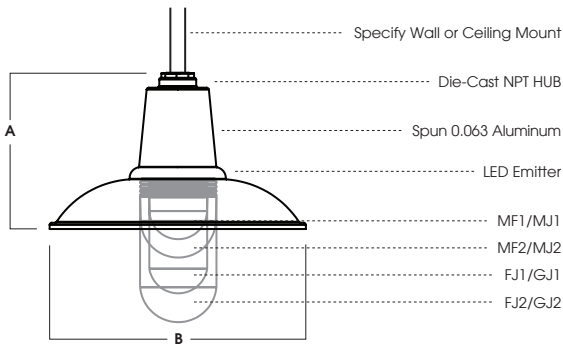
LW LED system features high brightness white Nichia LED's. 3 step MacAdam Ellipse binning. Standard CRI: 85+. Higher CRI, R9 and custom LED configurations are available; consult factory. Choice of electronic 120V/277V and dimming drivers.

CONSTRUCTION

Fixture shades are spun in our factory from 0.063 high purity aluminum. Wall mount canopies are die-cast aluminum with stainless steel hardware. Wall arms are formed 3/4 NPT aluminum pipe.

CODE COMPLIANCE

ARRA Compliant. ETL/CSA listed for wet locations. Manufactured and tested to UL standards No. 1598/8750.



Dimensioned with SW1509LW

SERIES	A	B
SW1509LW	8.0	14.5
SW1910LW	9.1	18.7

WATTAGE / LUMENS DATA		
PART NUMBER	SOURCE LUMENS ¹	SYSTEM WATTS
SW1509LW10L	1000	8.1
SW1509LW20L	2000	15.8

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	ACCESSORIES ³	MOUNTING ⁵	INTERIOR	FINISH
SW1509LW SW1910LW	10L 1000 Lm 20L 2000 Lm	30K 3000K 35K 3500K 40K 4000K 50K 5000K	EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DS2W1 1%, ELV/MLV 120V	10L MAX MF1 ⁴ 3"x3" Frosted Glass MJ1 3"x3" Clear Glass FJ1 ⁴ 3"x6.5" Frosted Glass GJ1 3"x6.5" Clear Glass 20L MAX MF2 ⁴ 4"x4" Frosted Glass MJ2 4"x4" Clear Glass FJ2 ⁴ 4"x8" Frosted Glass GJ2 4"x8" Clear Glass	WALL MOUNT CP104 ⁶ Small Driver Canopy CP104KO ⁵ Canopy with 4 Feed Holes CP6/RMD Remote Driver Canopy PA ⁷ Mounting Arm Style CEILING MOUNT RDC5 ⁶ Small Driver Canopy HM ⁸ Hang Straight PM ⁸ Rigid Pendant Mount	MW ⁹ White MBI Black PTI Platinum SNI Sun Gold GAI Galvanized ORI Orange YLI Yellow BLI Blue GRI Green RDI Red CCI ¹⁰ Custom Color FCI Fixture Color Interior	GW Gloss White MW Matte White MB Matte Black BZ Bronze PT Platinum Silver GA Galvanized CH Charcoal SN Sun Gold EG Evergreen BL Blue Streak AY Aero Yellow RD Red Baron CO Copper Metallic CC ¹⁰ Custom Color

EXAMPLE: SW1910LW10L35KEXFJ1RDC5HM36MB

NOTES:

1 Nominal Source Lumens at 3500K 2 Contact Factory for Additional Options 3 See Enclosures & Guards Page for Wire Guards and Additional Options
4 Standard Enclosure 5 See Mounting Pages for EM Options and Details on Components and Finishes 6 Required for All Drivers 7 See Mounting Page for Available Arm Options 8 Specify Length in Inches 9 Standard Interior Finish 10 See Color Page for More Options/Consult Factory for Special Finishes

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



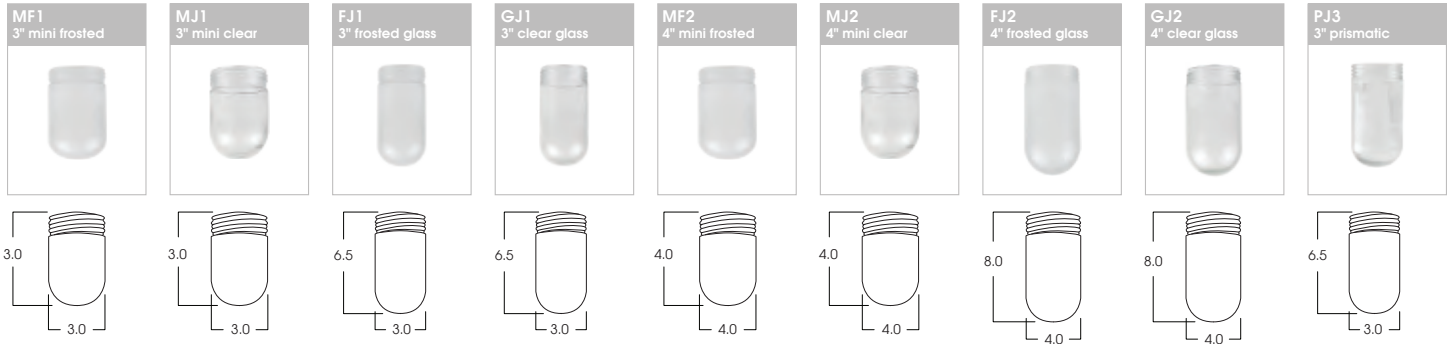
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CAT. NO.:	



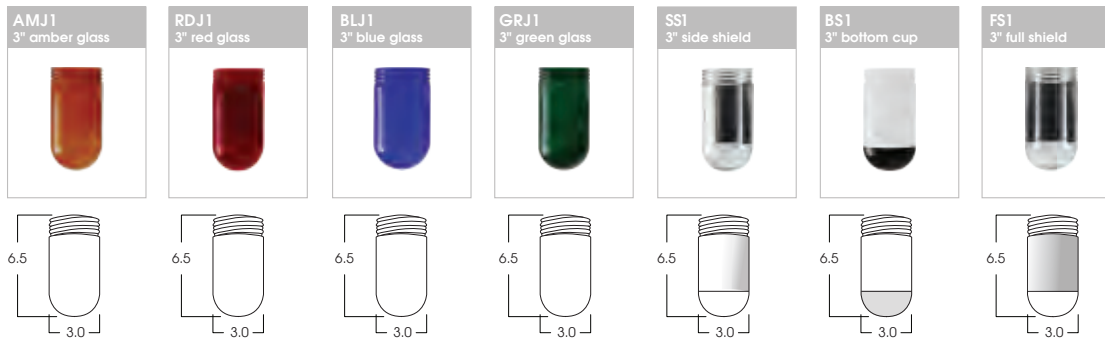


SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. PLEASE SPECIFY ENCLOSURE WHEN ORDERING FIXTURES.
 NOTE: FROSTED JAR PRODUCES BEST RESULTS WITH LED FIXTURES

ENCLOSURES

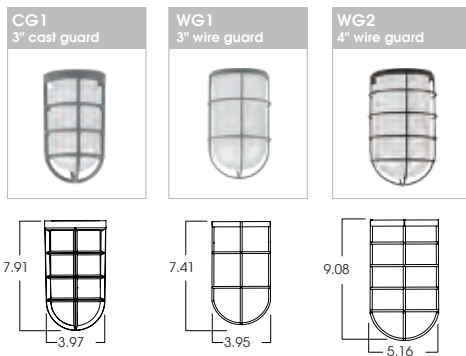


COLOR ENCLOSURES

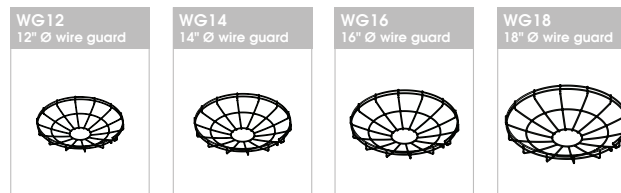


ENCLOSURES WITH SHIELDS

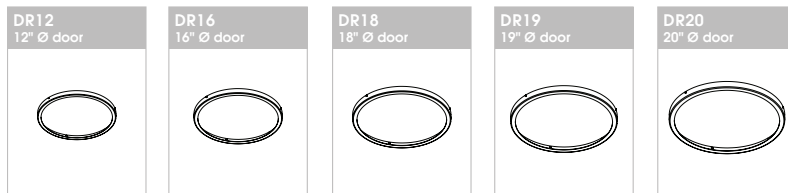
ENCLOSURE WIRE GUARDS



FIXTURE WIRE GUARDS



DOORS



Dimensions shown are nominal. Spectrum Lighting is continually improving products and reserves the right to make changes that will not alter performance or appearance with or without written notice.

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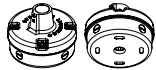
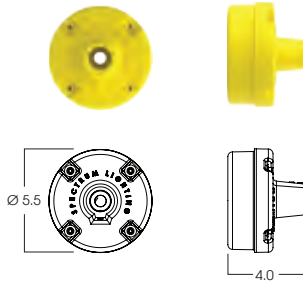
CAT. NO.:



SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.
 NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR WALL MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

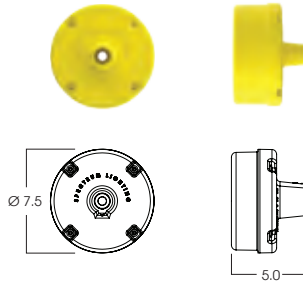
WALL MOUNT CANOPIES

CP104 - SMALL DRIVER CANOPY (STANDARD); MAY BE USED AS SPLICE BOX FOR DIRECT FEED

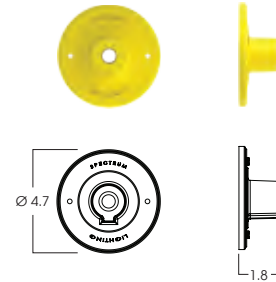


CP104KO & CP106KO
 SMALL OR LARGE CANOPY WITH 4 THREADED FEED HOLES FOR 1/2" TRADE SIZE CONDUIT
 (CONSULT FACTORY FOR LOCATIONS. BACK CENTER KNOCK OUT STANDARD)

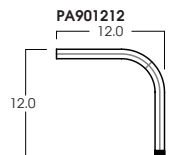
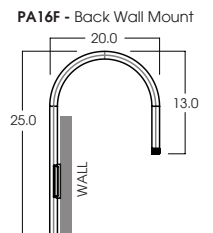
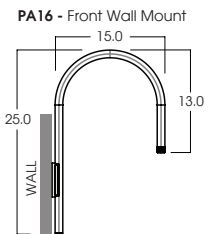
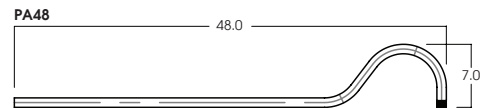
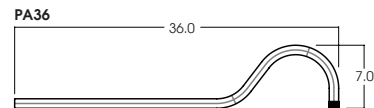
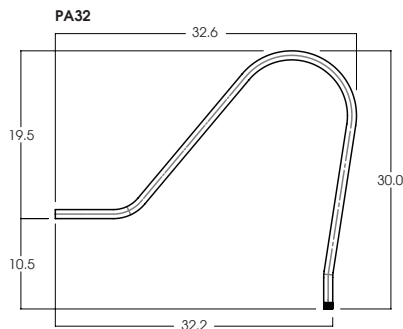
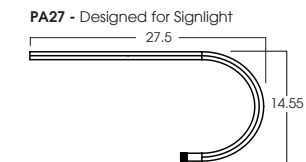
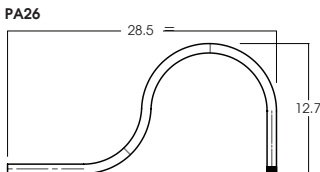
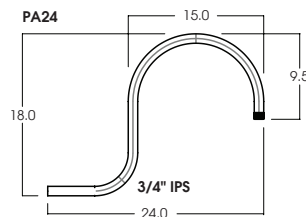
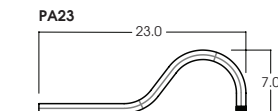
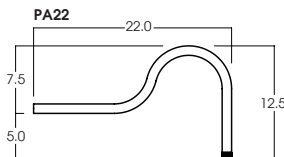
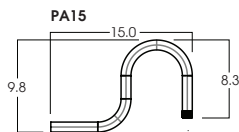
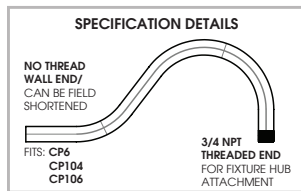
CP106 - LARGE DRIVER CANOPY, MAY BE USED AS SPLICE BOX FOR DIRECT FEED



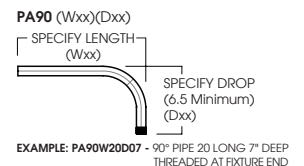
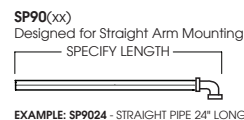
CP6/RMD - REMOTE MOUNT DRIVER, MOUNTS DIRECTLY TO WALL OR OCTAGON STYLE J-BOX



WALL MOUNTING PIPES



CUSTOMIZED WALL MOUNTING PIPES



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

PROJECT:

TYPE:

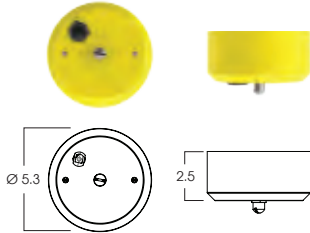
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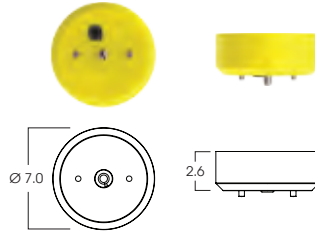
SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.
 NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR CEILING MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

CEILING MOUNT CANOPIES - CANOPIES MOUNT TO OCTAGON STYLE J-BOX

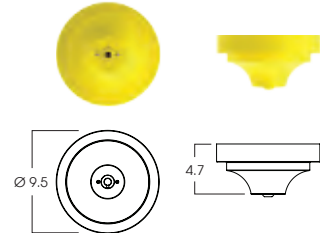
RDC5 - SMALL DRIVER CANOPY (STANDARD)



CP13 - LARGE DRIVER CANOPY

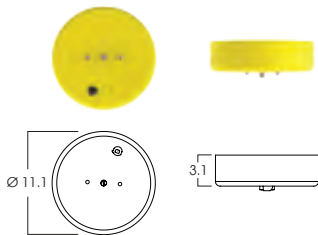


DC9 - DECORATIVE DRIVER CANOPY

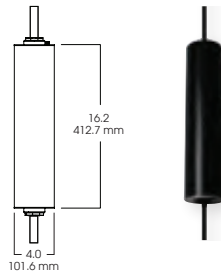


EMERGENCY BATTERY OPTIONS

EMCP7W - 7W CANOPY MOUNTED EM (FOR ALL CEILING MOUNT TYPES)



EMLN7W - 7W IN-LINE EM (FOR HM, HMAT, AND PM OPTIONS)



REMOTE EMERGENCY BATTERY OPTIONS

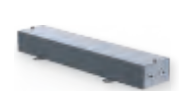
EMRM7W - 7W REMOTE EM (UP TO 12W, 50' MAX)

ENCLOSURE	A	B	C
EMRMSW	1.5	9.0	9.5
EMRM7W	1.3	12.6	13.0
EMRM12W	1.3	12.8	13.3



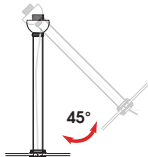
EMEN7W - 7W REMOTE WITH ENCLOSURE (UP TO 12W, 50' MAX)

ENCLOSURE	A	B	C
EMENSW	2.0	17.0	6.2
EMEN7W	2.0	17.0	6.2
EMEN12W	2.0	17.0	6.2



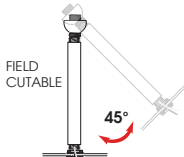
MOUNTING TYPES

HM* HANG STRAIGHT 45° SWIVEL 1/2" STEM - 3/8" NPT

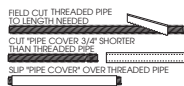


ORDER: **HM** (Length)
 SPECIFY LENGTH:
HM3 - 3" **HM24** - 24"
HM6 - 6" **HM36** - 36"
HM12 - 12" **HM48** - 48"
HM18 - 18" **HM72** - 72"
HMLC(XX)
 Custom Length
 (Specify in Inches)

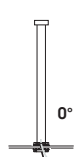
HMAT* HANG STRAIGHT ALL THREAD 45° SWIVEL 1/2" STEM - 1/4" IP



ORDER: **HMAT** (Length)
 SPECIFY LENGTH:
HMAT12 - 12"
HMAT24 - 24"
HMAT36 - 36"
HMAT48 - 48"
HMAT72 - 72"
HMATLC(XX)
 Custom Length
 (Specify in Inches)

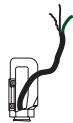


PM* RIGID PENDANT MOUNT RIGID 1/2" STEM - 3/8" NPT



ORDER: **PM** (Length)
 SPECIFY LENGTH:
PM3 - 3" **PM24** - 24"
PM6 - 6" **PM36** - 36"
PM12 - 12" **PM48** - 48"
PM18 - 18" **PM72** - 72"
PMMLC(XX)
 Custom Length
 (Specify in Inches)

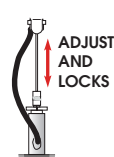
HC HOOK / CORD OPTIONAL PLUG



ORDER: **HCP** (Length)
 SPECIFY LENGTH:
HC36 - 36"
HC72 - 72"
HC144 - 144"
HCLC(XX)
 Custom Length
 (Specify in Inches)

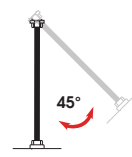
PLUG
LP120 - 120V Twist Lock
LP277 - 277V Twist Lock

CD CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE



ORDER: **CD** (Length)
 SPECIFY LENGTH:
CD36 - 36"
CD72 - 72"
CD144 - 144"
CDLC(XX)
 Custom Length
 (Specify in Inches)

CM CORD MOUNT SJ CORD WITH STRAIN RELIEF



ORDER: **CM** (Length)
 SPECIFY LENGTH:
CM36 - 36"
CM72 - 72"
CM144 - 144"
CMLC(XX)
 Custom Length
 (Specify in Inches)

CHN CHAIN MOUNT SJ CORD / DECORATIVE CHAIN



ORDER: **CHN** (Length)
 SPECIFY LENGTH:
CHN36 - 36"
CHN72 - 72"
CHN144 - 144"
CHNLC(XX)
 Custom Length
 (Specify in Inches)

*MAXIMUM ONE PIECE STEM LENGTH IS 72". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

MOUNTING FINISH

Standard Canopy / Stem or Cord mounting finish is matte white. Black fixtures receive matte black mounting finish, silver fixture receive silver mounting finish. Custom colors and fixture color canopy and stem are available upon request.

MOUNTING COMPONENTS FINISH

FIXTURE COLOR	CANOPY / STEM / CORD COLOR
Matte White, Textured White	Matte White
Matte Black, Textured Black, Bronze, Oil Rubbed Bronze	Matte Black
Platinum, Textured Silver, Silver	Silver
All Others	Matte White
Custom Color	Canopy / Stem Same Color as Fixture

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



RIALTA® RT4xx

The RIALTA® RT4xx luminaire is a cylindrical, three-legged, open cage ground mounted luminaire designed to bring ambiance to any project by providing a performance lighting package in a vertical form. The 8" cast aluminum cage cylinder adds a 12" high luminous element that adds visual interest by illuminating from the top casting and giving the effect of moon light from within its cage form. The RT4xx uses one round LED array configuration with a choice of Clear Acrylic or SV2 lens to deliver IES types 5, 4, 3, 3R and 2 distribution with high efficiency and low wattage consumption. A variety of LED color temperatures are available. A choice of several popular polyester powder coat colors are also available.



SternbergLighting

ESTABLISHED 1923 / EMPLOYEE OWNED

PROJECT: _____

TYPE: B1 _____

ORDERING EXAMPLE: BL-RT442-26L45T5-MDL05-CA-FHD/UGMT

RT4__										
MOUNTING CONFIG.	SERIES	HEIGHT (H) IN.	NO. OF LEDS	COLOR TEMP K	DISTRIBUTION TYPE	DRIVER	LENS	CONTROLS	DUAL FUSE & HOLDER	COLOR
BL	Post Top Mounted Luminaire	36	26L	27(00) K	T2	MDL03	CA	O P T I O N S		UGMT
		42		35(00) K	T3	MDL05	SV2	PEC	FHD	UBT
		48		45(00) K	T3R	MDH03		PEC4		ULBT
					T4	MDH05				USLT
					T5					UWHT
										UCHS
										BKT

BL = Bollard

Product Specs

Optical

- IP66 rated optic module.
- Available in IES Types 2, 3, 3R, 4 and 5 distribution.
- Utilizes high output, high brightness LEDs.
- Minimum of 70 CRI, CCT 2700, 3500 and 4500K. Call factory for custom CCT.
- LM-79 and LM-80 tests in accordance with IESNA standards.
- Lumen depreciation rating L70 > 100,000 hrs. projected per TM-21 guideline using 525mA drive at 25°C ambient.
- RoHS Compliant.

Electrical

- 120-277 volt and 347-480 volt available.
- Minimum drivers power factor: >0.9.
- Electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
- UL listed in U.S. and Canada.

Mechanical

- Cast aluminum heat sink, cylindrical lens and twist lock housing.
- Spun aluminum heat sink cover.
- Twist-lock housing installs on 8" OD welded tenon.
- Pole door driver access and removeable driver tray.

Controls

- Supplied with dimmable driver.
- **PEC:** Optional electronic button photocell (120v-277v).
- **PEC4:** Optional electronic button photocell (480v).

Finish

- Durable, color retentive powder coat finish.

Warranty & Standards

LED Systems and Drivers - 7 years.

All fixtures shall be free from defects in materials and workmanship for a period of 7 years from the date of manufacture. The luminaire manufacturer shall warrant the LED boards/system, during the stated warranty period, against failure defined as more than 10 percent of non-operating LEDs.

Housing

Housing shall consist of 0.188" wall extruded aluminum and A360 cast top and bottom lens retaining assemblies. Minimum height overall with shaft is 36".

Drivers:

MDL03: 350mA, 120-277V
MDL05: 525mA, 120-277V
MDH03: 350mA, 347-480V
MDH05: 525mA, 347-480V

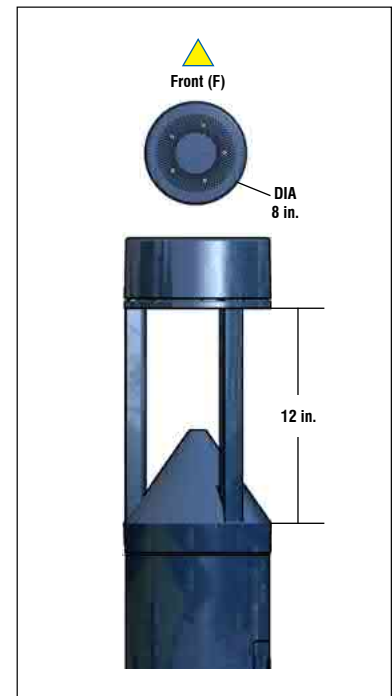
Lens:

CA - Clear Flat Acrylic
SV2 - Flat heavy diffuse acrylic

Colors:

UGMT - Urban Gun Metal Textured
UBT - Urban Bronze Textured
ULBT - Urban Light Bronze Textured
USLT - Urban Silver Textured
UWHT - Urban White Textured
UCHS - Urban Champagne Satin Smooth
UGM - Urban Gun Metal Matte
UB - Urban Bronze Matte
ULB - Urban Light Bronze Matte
USL - Urban Silver Matte
UWH - Urban White Matte
BKT - Black Textured

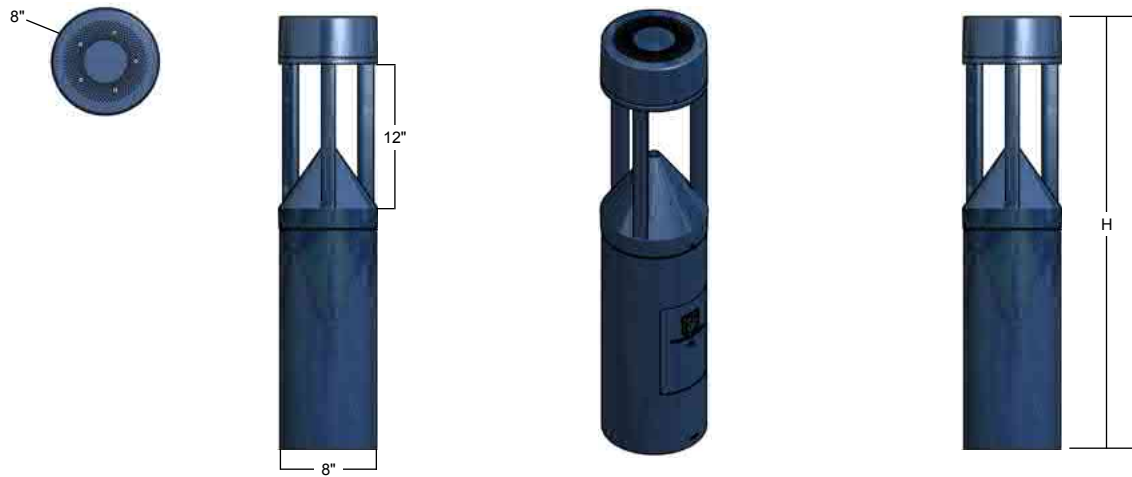
Distribution Orientation:



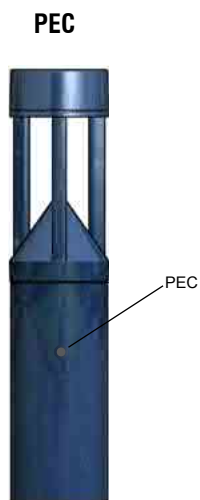
Performance

MODEL #	T3 DELIVERED LUMENS	EFFICACY (LPW)	T3R DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
RT436CA-26L27T__MD_03	1995	64.5	2130	68.8	2160	69.7	2095	67.6	31
RT436CA-26L35T__MD_03	2280	73.6	2430	78.5	2465	79.6	2390	77.1	31
RT436CA-26L45T__MD_03	2560	82.6	2735	88.2	2770	89.4	2685	86.7	31
RT436CA-26L27T__MD_05	2825	60.2	3010	64.0	2955	62.9	2980	63.4	47
RT436CA-26L35T__MD_05	3225	68.7	3435	73.1	3375	71.8	3400	72.4	47
RT436CA-26L45T__MD_05	3625	77.1	3855	82.1	3790	80.7	3820	81.3	47

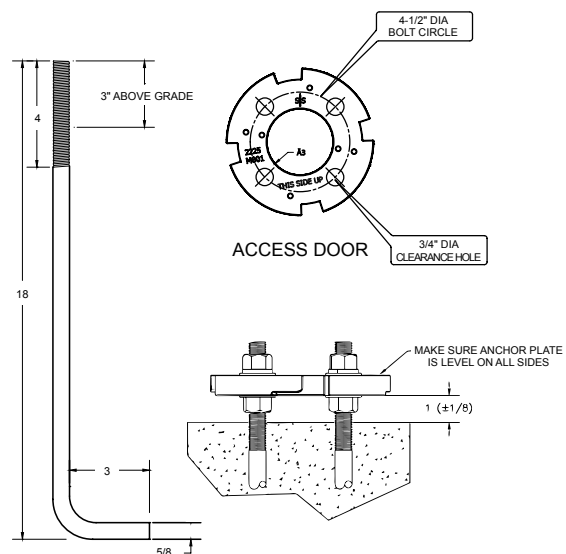
Product Dimensions and Features



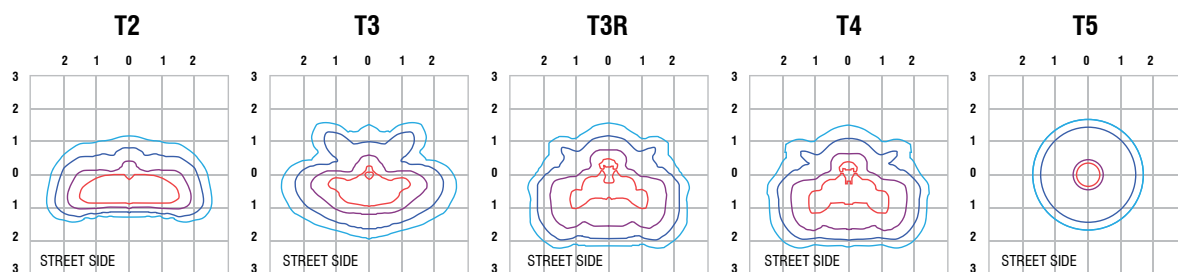
Options



Bolt Circle



ISO Footcandle Plots



All published luminaire photometric testing performed to IESNA LM-79 standards by NVLAP, certified laboratory. ISO footcandle plots demonstrate the RIALTA's light patterns only. Not for total fixture output. For complete specifications and IES files, see website.



SHORT WAREHOUSE SHADE

CLASSIC SERIES / 2000 LUMENS

rlm
classics



SW-LW - EXTERIOR / WET LOCATION

APPLICATION

The Short Warehouse Shade is a shallow version of most popular Warehouse Shades. LW Series is designed for outdoor wet location.

FEATURES

Spectrum Lighting's RLM Classics are reproductions of early American lighting fixtures reimagined with modern LED light sources and materials. The wide range of options for illumination, mounting, enclosures, guards and finishes allows for creative fixture specification and design. LED module and driver are serviceable for future replacement. Fixture available in two sizes.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. Matte White interior standard. Custom Color interior finishes available.

ELECTRONICS

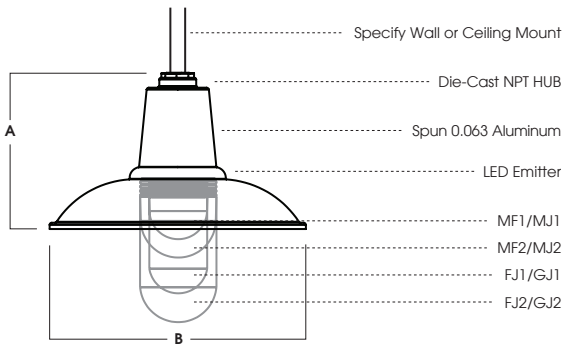
LW LED system features high brightness white Nichia LED's. 3 step MacAdam Ellipse binning. Standard CRI: 85+. Higher CRI, R9 and custom LED configurations are available; consult factory. Choice of electronic 120V/277V and dimming drivers.

CONSTRUCTION

Fixture shades are spun in our factory from 0.063 high purity aluminum. Wall mount canopies are die-cast aluminum with stainless steel hardware. Wall arms are formed 3/4 NPT aluminum pipe.

CODE COMPLIANCE

ARRA Compliant. ETL/CSA listed for wet locations. Manufactured and tested to UL standards No. 1598/8750.



Dimensioned with SW1509LW

SERIES	A	B
SW1509LW	8.0	14.5
SW1910LW	9.1	18.7

WATTAGE / LUMENS DATA		
PART NUMBER	SOURCE LUMENS ¹	SYSTEM WATTS
SW1509LW10L	1000	8.1
SW1509LW20L	2000	15.8

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²	ACCESSORIES ³	MOUNTING ⁵	INTERIOR	FINISH
SW1509LW SW1910LW	10L 1000 Lm 20L 2000 Lm	30K 3000K 35K 3500K 40K 4000K 50K 5000K	EX Electronic Driver, 120V/277V DS10X 10%, 0-10V, 120V/277V DS2W1 1%, ELV/MLV 120V	10L MAX MF1 ⁴ 3"x3" Frosted Glass MJ1 3"x3" Clear Glass FJ1 ⁴ 3"x6.5" Frosted Glass GJ1 3"x6.5" Clear Glass 20L MAX MF2 ⁴ 4"x4" Frosted Glass MJ2 4"x4" Clear Glass FJ2 ⁴ 4"x8" Frosted Glass GJ2 4"x8" Clear Glass	WALL MOUNT CP104 ⁶ Small Driver Canopy CP104KO ⁵ Canopy with 4 Feed Holes CP6/RMD Remote Driver Canopy PA ⁷ Mounting Arm Style CEILING MOUNT RDC5 ⁶ Small Driver Canopy HM ⁸ Hang Straight PM ⁸ Rigid Pendant Mount	MW ⁹ White MBI Black PTI Platinum SNI Sun Gold GAI Galvanized ORI Orange YLI Yellow BLI Blue GRI Green RDI Red CCI ¹⁰ Custom Color FCI Fixture Color Interior	GW Gloss White MW Matte White MB Matte Black BZ Bronze PT Platinum Silver GA Galvanized CH Charcoal SN Sun Gold EG Evergreen BL Blue Streak AY Aero Yellow RD Red Baron CO Copper Metallic CC ¹⁰ Custom Color

EXAMPLE: SW1910LW10L35KEXFJ1RDC5HM36MB

NOTES:

1 Nominal Source Lumens at 3500K 2 Contact Factory for Additional Options 3 See Enclosures & Guards Page for Wire Guards and Additional Options
4 Standard Enclosure 5 See Mounting Pages for EM Options and Details on Components and Finishes 6 Required for All Drivers 7 See Mounting Page for Available Arm Options 8 Specify Length in Inches 9 Standard Interior Finish 10 See Color Page for More Options/Consult Factory for Special Finishes

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



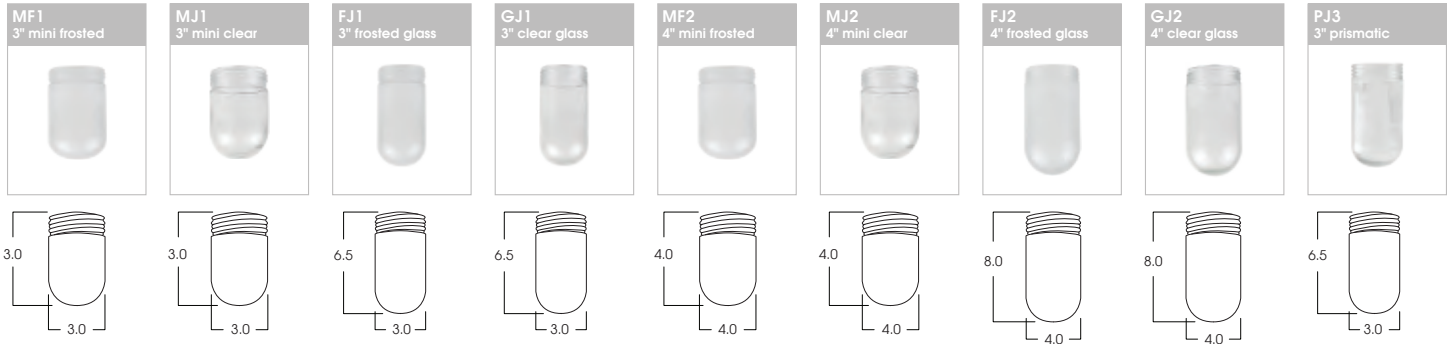
PROJECT:	TYPE:
CAT. NO.:	



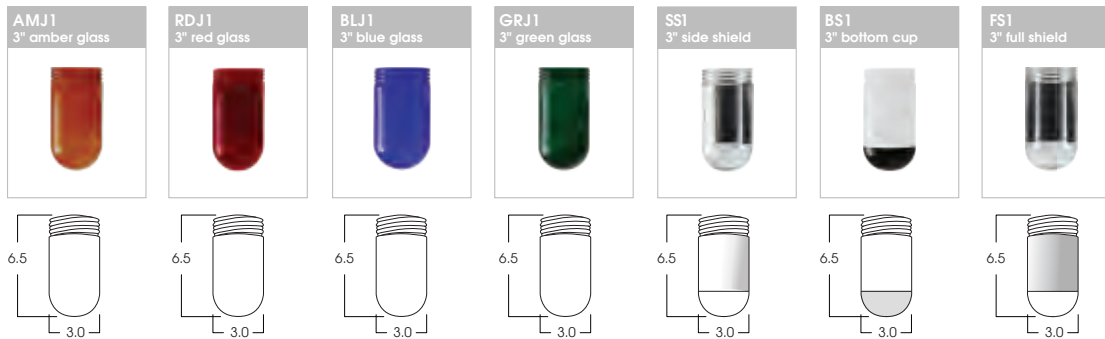


SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. PLEASE SPECIFY ENCLOSURE WHEN ORDERING FIXTURES.
 NOTE: FROSTED JAR PRODUCES BEST RESULTS WITH LED FIXTURES

ENCLOSURES

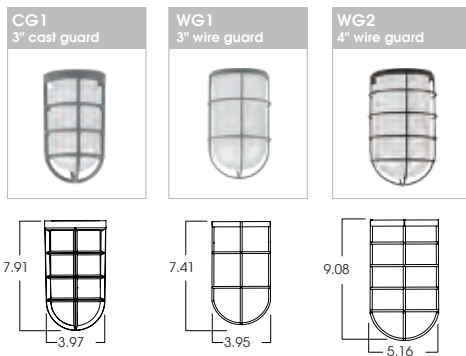


COLOR ENCLOSURES

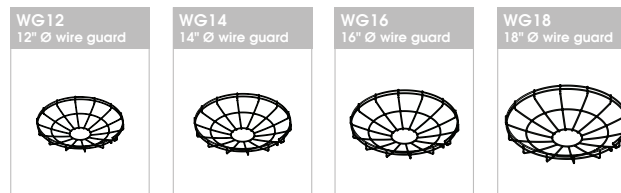


ENCLOSURES WITH SHIELDS

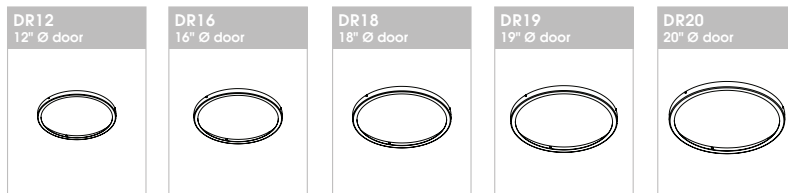
ENCLOSURE WIRE GUARDS



FIXTURE WIRE GUARDS



DOORS



Dimensions shown are nominal. Spectrum Lighting is continually improving products and reserves the right to make changes that will not alter performance or appearance with or without written notice.

PROJECT:

TYPE:

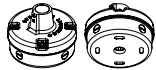
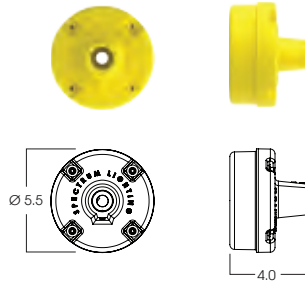
CAT. NO.:



SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES. CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.
 NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR WALL MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

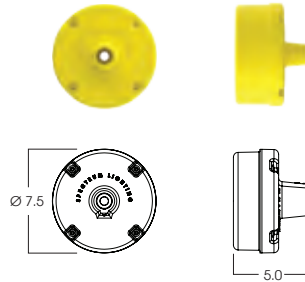
WALL MOUNT CANOPIES

CP104 - SMALL DRIVER CANOPY (STANDARD); MAY BE USED AS SPLICE BOX FOR DIRECT FEED

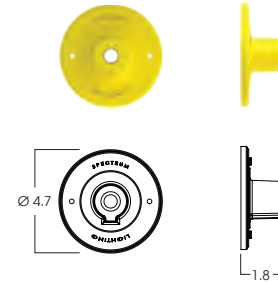


CP104KO & CP106KO
 SMALL OR LARGE CANOPY WITH 4 THREADED FEED HOLES FOR 1/2" TRADE SIZE CONDUIT
 (CONSULT FACTORY FOR LOCATIONS. BACK CENTER KNOCK OUT STANDARD)

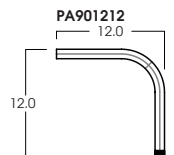
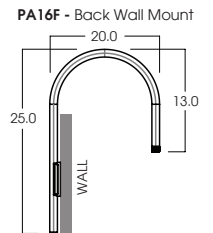
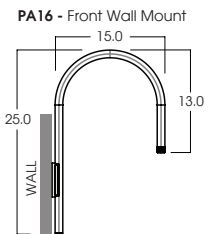
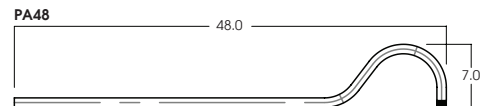
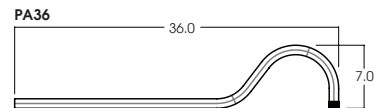
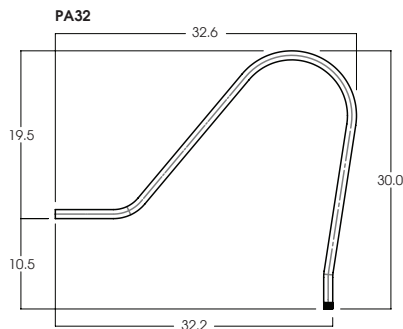
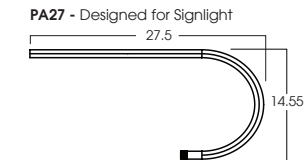
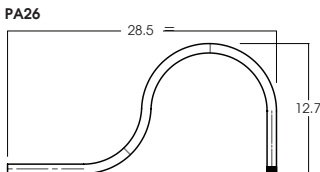
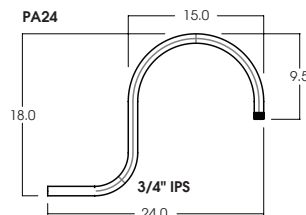
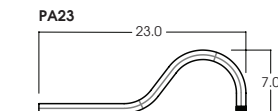
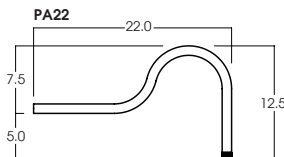
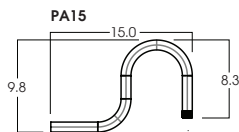
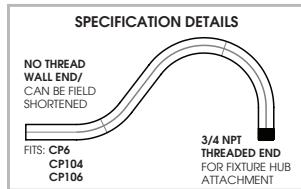
CP106 - LARGE DRIVER CANOPY, MAY BE USED AS SPLICE BOX FOR DIRECT FEED



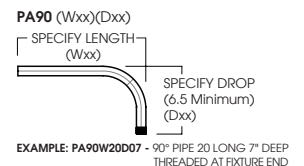
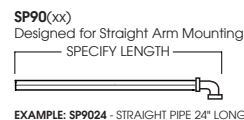
CP6/RMD - REMOTE MOUNT DRIVER, MOUNTS DIRECTLY TO WALL OR OCTAGON STYLE J-BOX



WALL MOUNTING PIPES



CUSTOMIZED WALL MOUNTING PIPES



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

PROJECT:

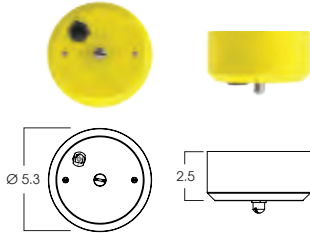
TYPE:

CAT. NO.:

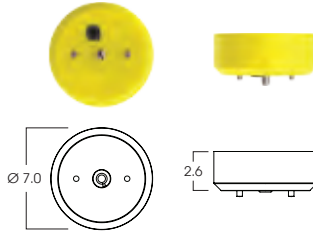
SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.
NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR CEILING MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

CEILING MOUNT CANOPIES - CANOPIES MOUNT TO OCTAGON STYLE J-BOX

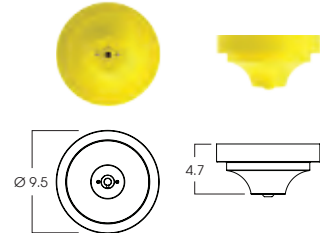
RDC5 - SMALL DRIVER CANOPY (STANDARD)



CP13 - LARGE DRIVER CANOPY

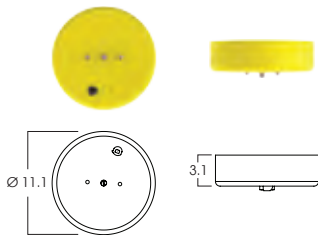


DC9 - DECORATIVE DRIVER CANOPY

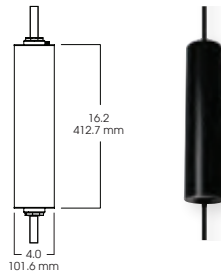


EMERGENCY BATTERY OPTIONS

EMCP7W - 7W CANOPY MOUNTED EM (FOR ALL CEILING MOUNT TYPES)



EMLN7W - 7W IN-LINE EM (FOR HM, HMAT, AND PM OPTIONS)



REMOTE EMERGENCY BATTERY OPTIONS

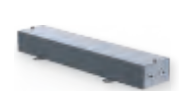
EMRM7W - 7W REMOTE EM (UP TO 12W, 50' MAX)

ENCLOSURE	A	B	C
EMRMSW	1.5	9.0	9.5
EMRM7W	1.3	12.6	13.0
EMRM12W	1.3	12.8	13.3



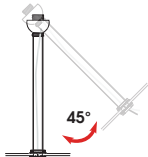
EMEN7W - 7W REMOTE WITH ENCLOSURE (UP TO 12W, 50' MAX)

ENCLOSURE	A	B	C
EMENSW	2.0	17.0	6.2
EMEN7W	2.0	17.0	6.2
EMEN12W	2.0	17.0	6.2



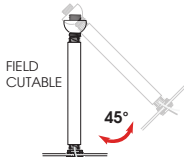
MOUNTING TYPES

HM* HANG STRAIGHT 45° SWIVEL 1/2" STEM - 3/8" NPT

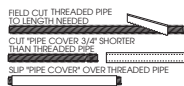


ORDER: **HM** (Length)
SPECIFY LENGTH:
HM3 - 3" **HM24** - 24"
HM6 - 6" **HM36** - 36"
HM12 - 12" **HM48** - 48"
HM18 - 18" **HM72** - 72"
HMLC(XX)
Custom Length
(Specify in Inches)

HMAT* HANG STRAIGHT ALL THREAD 45° SWIVEL 1/2" STEM - 1/4" IP



ORDER: **HMAT** (Length)
SPECIFY LENGTH:
HMAT12 - 12"
HMAT24 - 24"
HMAT36 - 36"
HMAT48 - 48"
HMAT72 - 72"
HMATLC(XX)
Custom Length
(Specify in Inches)

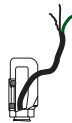


PM* RIGID PENDANT MOUNT RIGID 1/2" STEM - 3/8" NPT



ORDER: **PM** (Length)
SPECIFY LENGTH:
PM3 - 3" **PM24** - 24"
PM6 - 6" **PM36** - 36"
PM12 - 12" **PM48** - 48"
PM18 - 18" **PM72** - 72"
PMLC(XX)
Custom Length
(Specify in Inches)

HC HOOK / CORD OPTIONAL PLUG



ORDER: **HCP** (Length)
SPECIFY LENGTH:
HC36 - 36"
HC72 - 72"
HC144 - 144"
HCLC(XX)
Custom Length
(Specify in Inches)

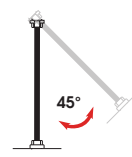
PLUG
LP120 - 120V Twist Lock
LP277 - 277V Twist Lock

CD CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE



ORDER: **CD** (Length)
SPECIFY LENGTH:
CD36 - 36"
CD72 - 72"
CD144 - 144"
CDLC(XX)
Custom Length
(Specify in Inches)

CM CORD MOUNT SJ CORD WITH STRAIN RELIEF



ORDER: **CM** (Length)
SPECIFY LENGTH:
CM36 - 36"
CM72 - 72"
CM144 - 144"
CMLC(XX)
Custom Length
(Specify in Inches)

CHN CHAIN MOUNT SJ CORD / DECORATIVE CHAIN



ORDER: **CHN** (Length)
SPECIFY LENGTH:
CHN36 - 36"
CHN72 - 72"
CHN144 - 144"
CHNLC(XX)
Custom Length
(Specify in Inches)

*MAXIMUM ONE PIECE STEM LENGTH IS 72". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

MOUNTING FINISH

Standard Canopy / Stem or Cord mounting finish is matte white. Black fixtures receive matte black mounting finish, silver fixture receive silver mounting finish. Custom colors and fixture color canopy and stem are available upon request.

MOUNTING COMPONENTS FINISH

FIXTURE COLOR	CANOPY / STEM / CORD COLOR
Matte White, Textured White	Matte White
Matte Black, Textured Black, Bronze, Oil Rubbed Bronze	Matte Black
Platinum, Textured Silver, Silver	Silver
All Others	Matte White
Custom Color	Canopy / Stem Same Color as Fixture

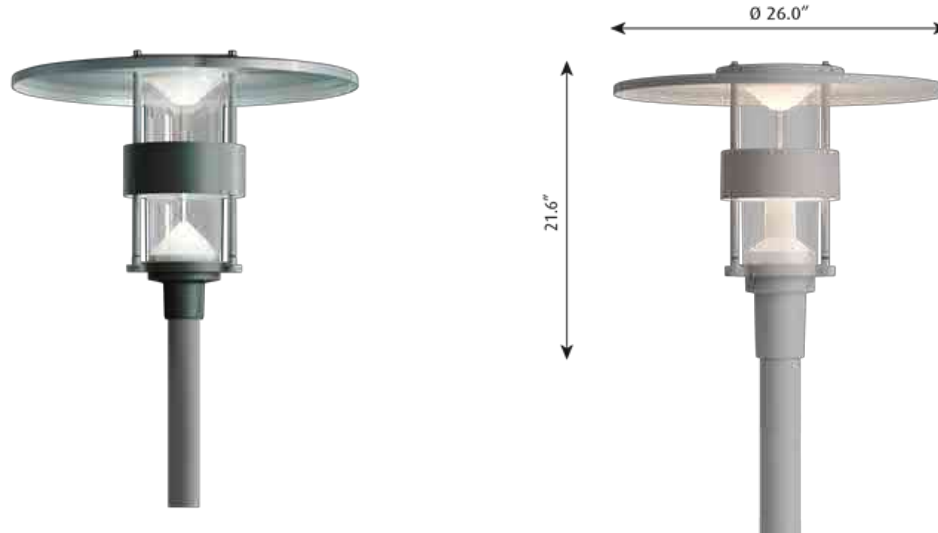
Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

PROJECT:

TYPE:

CAT. NO.:

Albertslund Mini Post



The design is based on an anti-glare ring, conical reflectors and a circular top shade, which serves as the primary reflector.

Terse design

Different colour variants.

Part of a product family.

US: Mounting tenon of die-cast aluminum, 4mm (0.18") thickness for T-DRA-5"-3" or T-RSA-4.5" poles.

Light description

The fixture emits symmetrical glare-free light directed downwards.

The top shade helps direct the light downwards and prevent light from being emitted upwards.

The white painted reflectors result in diffuse and comfortable light distribution.

The reflector ring protects against direct glare and does also serves as a heat sink.

Provides a high level of vertical light for people to feel safe and comfortable.

Two LEDs ensures a good balance between the uplight and downlight.

The fixture design is identifiable when the light is on.

LED technology with more options of standard CCTs.

Electronic dimmable driver

Design

Jens Møller-Jensen

Mounting

EU: Aluminium coloured with textured surface, graphite with textured surface or grey, powder coated.

US: Aluminium coloured, grey, graphite grey, or white, powder coated.

Top shade: High pressure moulded fiber glass, 3mm (0. 12") thick. Lower surfaces with high-reflectance white finish.

Enclosure: Injection moulded clear polycarbonate, U. V. stabilized, 3mm (0. 12") thick.

Heat sink: Die-cast aluminium, 6mm (0. 24") thickness typical, includes hidden fins for thermal transfer to atmosphere.

Console: Die-cast aluminium, 3mm (0. 12") thick.

Struts: Stainless steel.

Inside reflectors of white polycarbonate, 2mm (0. 08") thick.

Lower LED cover of opal polycarbonate, 2mm (0. 08") thick.

Driver inside the fixture head.

Weight

Min: 22 lbs Max: 22 lbs

Finish

Graph, Grey, Nat paint alu, Wht

Voltage

120-277V/60HZ

Finish

Graphite grey, grey, white or natural painted aluminum, powder coated.

Materials

Top shade: Die formed fiber glass. Enclosure: Injection molded clear U.V. stabilized polycarbonate. Heat sink: Die cast aluminum. Base: Die cast aluminum. Struts: Aluminum.

Mounting

Post top: Mounted on dual round aluminum (DRA) or round straight aluminum (RSA) pole.

Sizes and weight

Width x Height x Length (in.)
26 x 19.3 x 26 Max 22.0 lbs

Compliance

cULus, Wet location.

Specification notes

a. Surge protector only available with T-RSA-4.5 transition to pole. b. Consult factory for product specifications for Photo Sensor and Wireless Control options.

Light source

Light source 57W LED/3000K

Light source	Voltage frequency	Color	Class	Transition to pole	Lighting control	Variant number
42W LED/4000K	120-277V/60HZ	Graph	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108764
57W LED/3000K	120-277V/60HZ	Graph	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108771
57W LED/3000K	120-277V/60HZ	Graph	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108762
57W LED/3000K	120-277V/60HZ	Grey	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108773
57W LED/3000K	120-277V/60HZ	Grey	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108765
57W LED/3000K	120-277V/60HZ	Nat paint alu	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108760
57W LED/3000K	120-277V/60HZ	Nat paint alu	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108769
57W LED/3000K	120-277V/60HZ	Wht	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108775
57W LED/3000K	120-277V/60HZ	Wht	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108767
57W LED/4000K	120-277V/60HZ	Graph	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108772
57W LED/4000K	120-277V/60HZ	Grey	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108774
57W LED/4000K	120-277V/60HZ	Grey	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108766
57W LED/4000K	120-277V/60HZ	Nat paint alu	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108770
57W LED/4000K	120-277V/60HZ	Nat paint alu	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108761
57W LED/4000K	120-277V/60HZ	Wht	I/II	T-DRA-5 IN-3 IN	DIM 0-10V	10000108776
57W LED/4000K	120-277V/60HZ	Wht	I/II	T-RSA-4.5 IN	DIM 0-10V	10000108768

Spareparts & accessories

ALB. MINI, POLYCARBON. DIFF.
5747291096



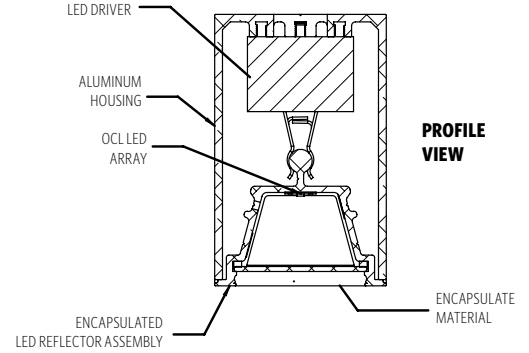
Custom configuration shown

Skyline™

CEILING / WALL / RECESSED

FEATURES

- 2.75" WIDE OUTDOOR ENCAPSULATED LINEAR FIXTURE
- ETL LISTED WET LOCATION
- IP66 RATED
- 750 L/FT (LED1); 1000 L/FT (LED2)
- INTEGRAL DRIVER
- SIMPLE, LINEAR PROFILE CAN BE CONNECTED TO CREATE LONG, CONTINUOUS RUNS
- CUSTOM LENGTHS AND CORNERS AVAILABLE



CATALOG CODES

SK1	-	B	-	C	-	GW	-	E	-	F	-	UNV	-	DMO	-	I
SERIES		HANGING SYSTEM		SIZE		DIFFUSER		FINISH		LIGHT SOURCE		VOLTAGE		CONTROL		OPTIONS

SPECIFY CATALOG CODE

A	B	C	D	E
SERIES	HANGING SYSTEM	SIZE	DIFFUSER	FINISH
 SK1	C10A OUTDOOR SURFACE CEILING MOUNT	24	GW GLOSS WHITE	POWDER COAT FINISHES
	O10A*** OUTDOOR ADA-COMPLIANT SCNCE	36		AWP AUTUMN WHITE HEP HENNA
	C10B OUTDOOR RECESSED CEILING MOUNT	48		BEP BEIGE KAP KHAKI
		60		BKP BLACK LBP LIGHT BRONZE
		72*		BLP BLUE MWP MATTE WHITE
	O10C OUTDOOR RECESSED SCNCE	84*		BMP BRASS METALLIC RHP RESEDA HAMMERTONE
		96*		BNP BRONZE SAP SAGE GREEN
	XX**	BTP BLACK TEXTURED SGP STEEL GRAY		
		CHP COPPER HAMMERTONE SHP SILVER HAMMERTONE		
		CMP COPPER METALLIC SMP SILVER METALLIC		
		DBP DENIM BLUE SRP STORM GRAY		
		GRP GRAPHITE SWP SKY WHITE		
		GTP GRAY TEXTURED WTP WHITE TEXTURED		
F	G	H	I	
LIGHT SOURCE		VOLTAGE	CONTROL	OPTIONS
LED OUTPUT LED1 LED2	COLOR TEMP 27K 30K 35K 40K	UNV 120-277	DMO 0-10V DIMMING 10%	VSF VISIBLE FLANGE OPTION FOR C10B AND O10C MOUNTING TYPES ONLY SPF SPACKLE FLANGE OPTION FOR C10B AND O10C MOUNTING TYPES ONLY IJC ILLUMINATED CORNERS MOD MODIFIED LUMINAIRE (CONTACT LOCAL REP)

SAMPLE CODE: SK1-C10A-48-GW-MWP-LED1/35K-UNV-DMO

*Fixtures over 60" will have multiple reflectors

**For a modified length, type in length of fixture in inches to the nearest 0.0625"; Min. 24"

***Illumination can be out, left, right or down; illumination cannot be up, up/down, or left/right

UP TO **72** LM/W

MODS, NOTES, & COMMENTS

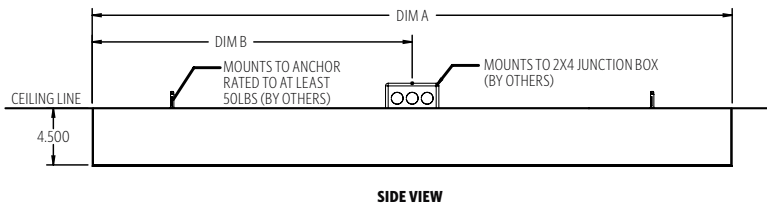
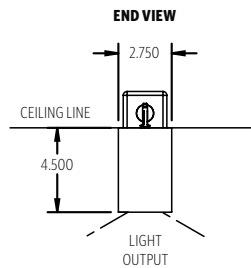
		LUMENS AND WATTAGE CHART						
		24"	36"	48"	60"	72"	84"	96"
LED1	LUMENS DELIVERED	1510	2230	3020	3740	4460	5260	5980
	SYSTEM WATTAGE	21	31	42	52	62	73	83
LED2	LUMENS DELIVERED	2020	2950	3960	4970	5980	6957	7920
	SYSTEM WATTAGE	28	41	55	69	83	97	110

This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp.

HANGING SYSTEM



C10A OUTDOOR SURFACE CEILING MOUNT



MOUNTING INFORMATION CHART

DIM A	DIM B
24"	12"
36"	18"
48"	24"
60"	30"
72"	36"
84"	42"
96"	48"

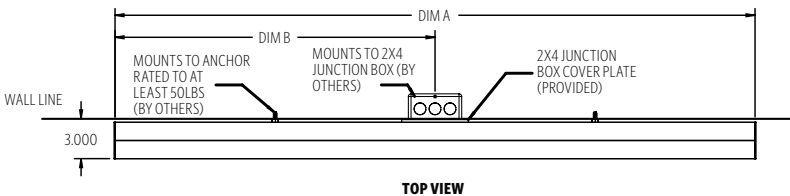
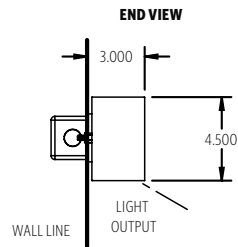
* Fixtures over 60" will have multiple reflectors

** All dims in inches; tolerance on dimensions are +/- .0625" per section

Fixture weight — 6 lbs per linear foot



O10A OUTDOOR ADA-COMPLIANT SCONCE
NOTE: ONLY AVAILABLE IN DOWNWARD ORIENTATION



MOUNTING INFORMATION CHART

DIM A	DIM B
24"	12"
36"	18"
48"	24"
60"	30"
72"	36"
84"	42"
96"	48"

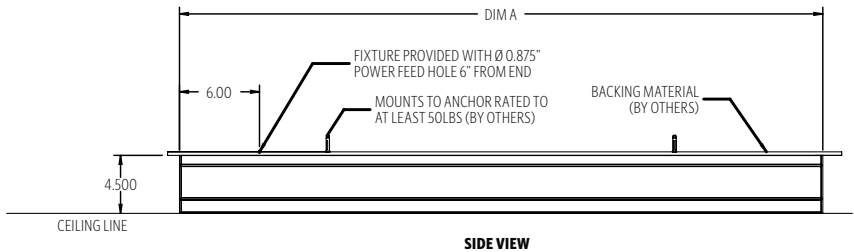
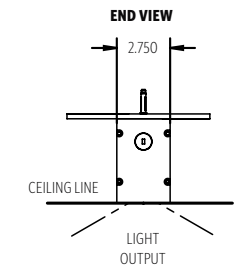
* Fixtures over 60" will have multiple reflectors

** All dims in inches; tolerance on dimensions are +/- .0625" per section

Fixture weight — 6 lbs per linear foot



C10B OUTDOOR RECESSED CEILING MOUNT
NOTE: PHOTO SHOWS VSF FLANGE OPTION



MOUNTING INFORMATION CHART

DIM A	HOLE CUT INTO CEILING LENGTH**	HOLE CUT INTO CEILING WIDTH**
24"	24.25"	3"
36"	36.25"	3"
48"	48.25"	3"
60"	60.25"	3"
72"	72.25"	3"
84"	84.25"	3"
96"	96.25"	3"

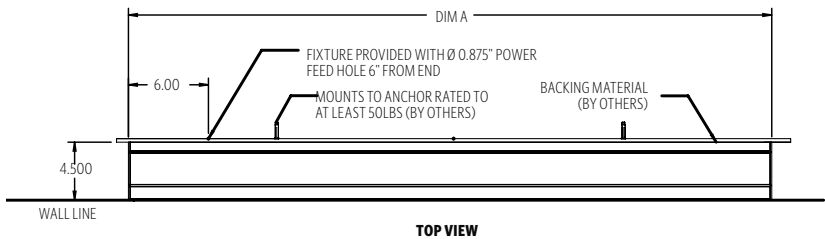
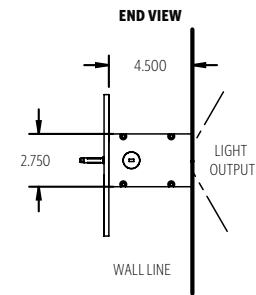
* Fixtures over 60" will have multiple reflectors

** All dims in inches; tolerance on dimensions are +/- .0625" per section; see page 4 for VSF & SPF option widths

Fixture weight - 6 lbs per linear foot



O10C RECESSED OUTDOOR SCONCE
NOTE: PHOTO SHOWS VSF FLANGE OPTION



DIFFUSER

- URETHANE OPTIC MINIMIZES DEBRIS AND WATER ACCUMULATION
- ENCAPSULATED SEALING PROCESS ELIMINATES GASKETS AND MINIMIZES END TO END SHADOWING
- FULLY ILLUMINATED CORNERS AVAILABLE (IJC OPTION)

DIFFUSER**FINISH****GW** GLOSS WHITE**SOLID POWDER COAT FINISHES:****SWP**
SKY WHITE**MWP**
MATTE WHITE**AWP**
AUTUMN WHITE**SRP**
STORM GRAY**KAP**
KHAKI**BEP**
BEIGE**HEP**
HENNA**SAP**
SAGE GREEN**BLP**
BLUE**BKP**
BLACK**METALLIC POWDER COAT FINISHES:****SMP**
SILVER**GRP**
GRAPHITE**SGP**
STEEL GRAY**BMP**
BRASS**LBP**
LIGHT BRONZE**BNP**
BRONZE**CMP**
COPPER**DBP**
DENIM BLUE**TEXTURED POWDER COAT FINISHES:****SHP**
SILVER
HAMMERTONE**CHP**
COPPER
HAMMERTONE**RHP**
RESEDA
HAMMERTONE**BTP**
BLACK
TEXTURED**GTP**
GRAY
TEXTURED**WTP**
WHITE
TEXTURED

These colors are for reference only. Please be aware that colors may vary per monitor. Please contact your sales rep for finish samples.

LIGHT SOURCE

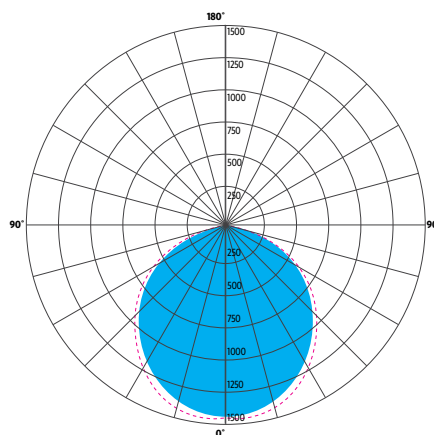
		LUMENS AND WATTAGE CHART						
		24"	36"	48"	60"	72"	84"	96"
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	SYSTEM WATTAGE	21	31	42	52	62	73	83
LED2	LUMENS DELIVERED	2020	2950	3960	4970	5980	6957	7920
	SYSTEM WATTAGE	28	41	55	69	83	97	110

STANDARD COLOR TEMPERATURE OPTIONS	CRI
2700K	80+
3000K	80+
3500K	80+
4000K	80+

This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp.

PHOTOMETRY:

FIXTURE: SK1-C10A-48-GW-MWP-LED2/35K-120-DMO
 COLOR TEMP #: 3500K
 OUTPUT: 3960
 EFFICACY: 72 LM/W
 TEST REPORT: TEST NO. 20513.0

**LUMEN MAINTENANCE**

REPORTED: L70 AT >60,000 HRS
 CALCULATED: L70 AT 180,000 HRS
 REPORTED: L90 AT 52,000 HRS
 CALCULATED: L90 AT 52,000 HRS

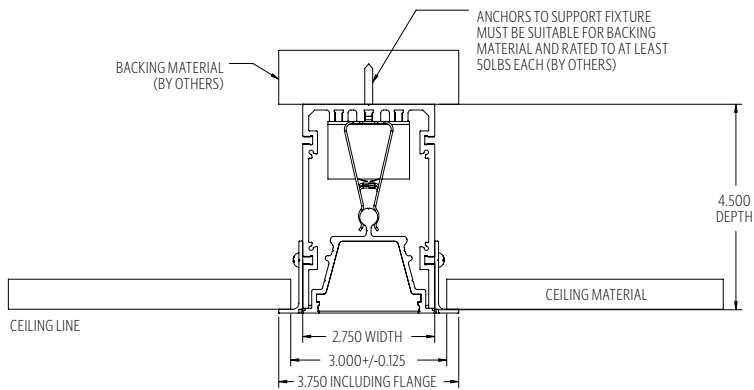
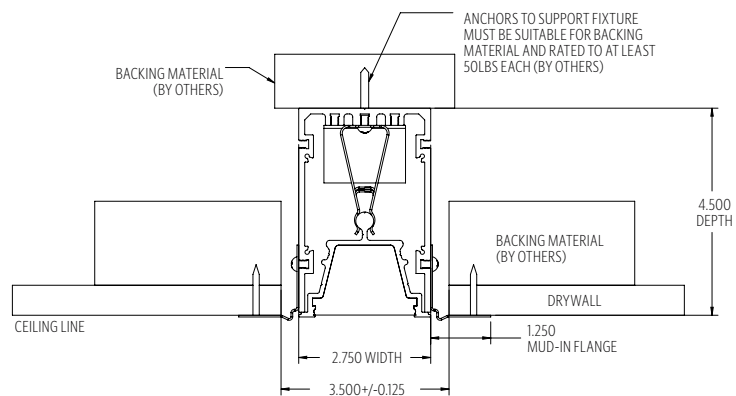
Derived from EPA TM-21 calculator. Based on typical conditions. Consult the factory for additional details

ZONE	LUMENS	% OF LUMINAIRE
0-30	1117	28%
0-60	3200	81%
0-90	3953	100%
90-180	0	0%

For all available IES files, please visit our website at ocl.com.

CONTROL**DMO 0-10V DIMMING DOWN TO 10%**

- 0-10V DIMMING
- 10% MINIMUM DIM LEVEL
- ELECTRONIC DRIVER
- POWER FACTOR >0.9
- THD <20%
- MIN AMBIENT OPERATING TEMPERATURE -40°F
- FIELD REPLACEABLE

OPTIONS**VSF** VISIBLE FLANGE OPTION FOR C10B AND O10C MOUNTING TYPES ONLY**SPF** SPACKLE FLANGE OPTION FOR C10B AND O10C MOUNTING TYPES ONLY

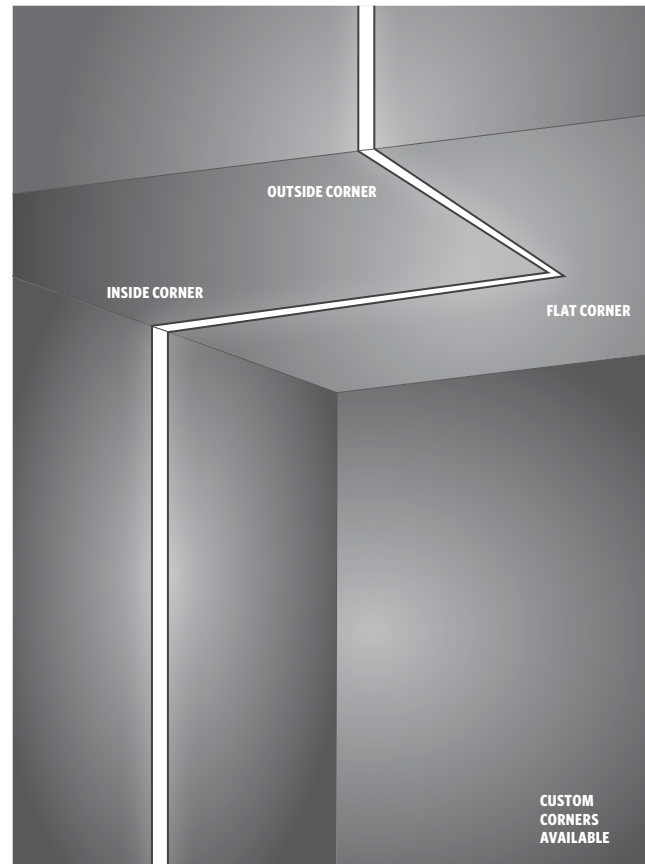
IJC ILLUMINATED CORNERS

One feature of the **SKYLINE** series is a linear design with illuminated corners and junctions. These fixtures can be ordered as stand-alone units or as part of a continuous run. The corners are precision miter-cut and skillfully manufactured to create a continuous line of light with minimal seams that can follow the architecture of a building.

Specifying the **IJC** option signals to the factory that the fixture is modified and contains one or more corners.

Please consult with your local rep to get a quote and drawing of a fixture modified to your needs.

There are 3 standard corner offerings —inside, outside and flat. Custom corner options are also available.

**SPECIFICATIONS****CONSTRUCTION**

- HOUSING IS EXTRUDED ALUMINUM
- REFLECTOR IS EXTRUDED ALUMINUM
- DIFFUSER IS OPAL WHITE URETHANE RUBBER WITH UV INHIBITORS
- HARDWARE IS STAINLESS STEEL

MOUNTING

- FOR SURFACE MOUNTING, ILLUMINATION CAN BE OUT, LEFT, RIGHT, DOWN ONLY
- FIXTURE IS NOT DESIGNED TO BE MOUNTED IN-GRADE

ELECTRICAL

- DIMMING ELECTRONIC DRIVER(S), COMES STANDARD WITH 0-10V DOWN TO 10%
- 0-10V DOWN TO 1% AND LUTRON (LDE1) 1% ALSO AVAILABLE AS MODIFICATION (REQUIRES REMOTE DRIVERS)
- OCL PROPRIETARY LED ARRAYS USE NICHIA 757 DIODES
- LUMINAIRE CONNECTS TO BUILDING SUPPLY (120V-277V 50/60HZ) (UNLESS DRIVERS ARE REMOTE)

LISTING

- ETL LISTED TO UL 1598 FOR WET LOCATIONS; INDOOR OR OUTDOOR
- IP66 RATING

WARRANTY

- 5 YEAR; ALL ELECTRICAL COMPONENTS RETAIN THE MANUFACTURER'S WARRANTY

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Catalog #	GLEON-AF-01-LED-E1-SL4-HSS	Type
Project		F1
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. **QUICK MOUNT ARM:** Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty

Five-year warranty.



GLEON GALLEON LED

1-10 Light Squares

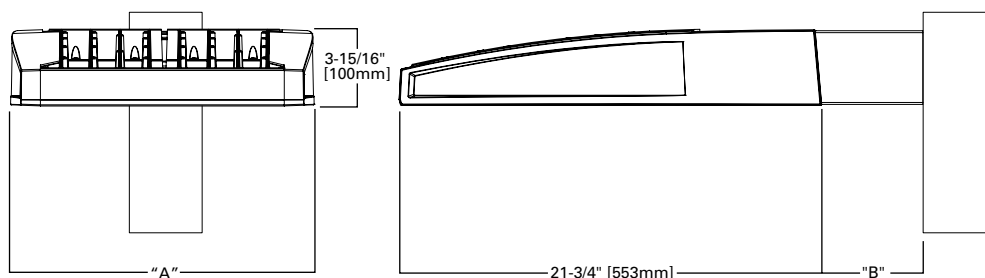
Solid State LED

AREA/SITE LUMINAIRE



LumenSafe Technology
[CLICK HERE](#)

DIMENSIONS

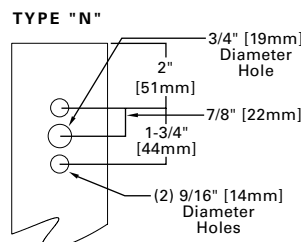


DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length ¹	Weight with Arm (lbs.)	EPA with Arm ² (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

DRILLING PATTERN



CERTIFICATION DATA

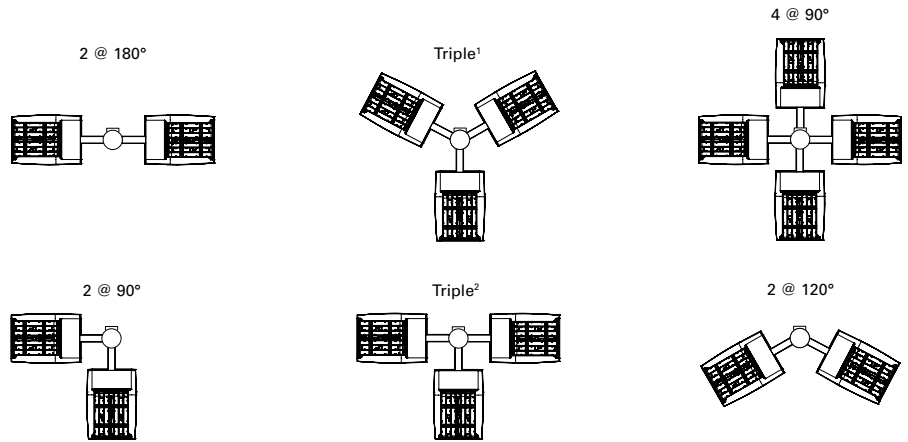
UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
IP66 Rated
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

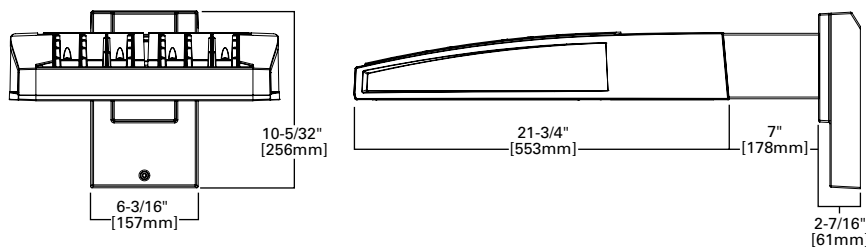
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

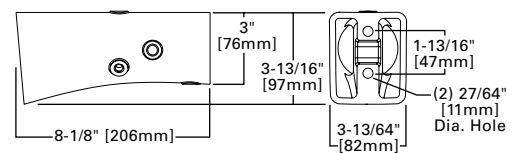


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

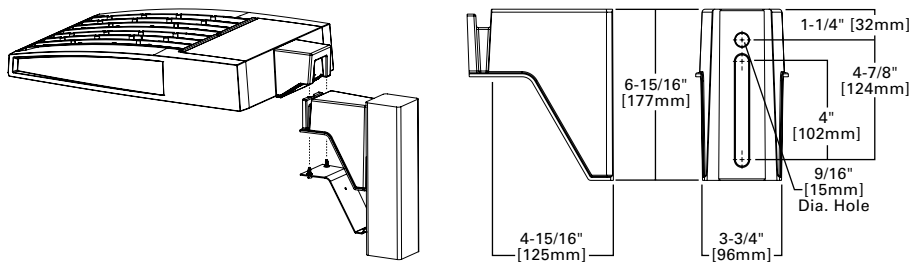
STANDARD WALL MOUNT



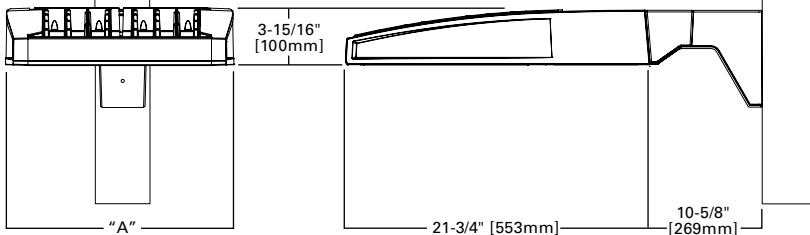
MAST ARM MOUNT



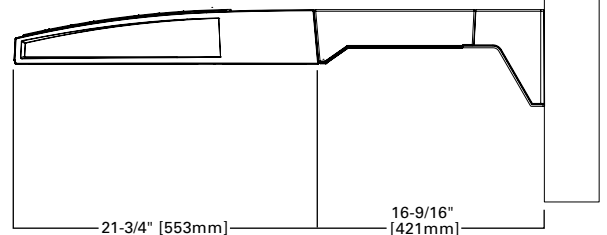
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

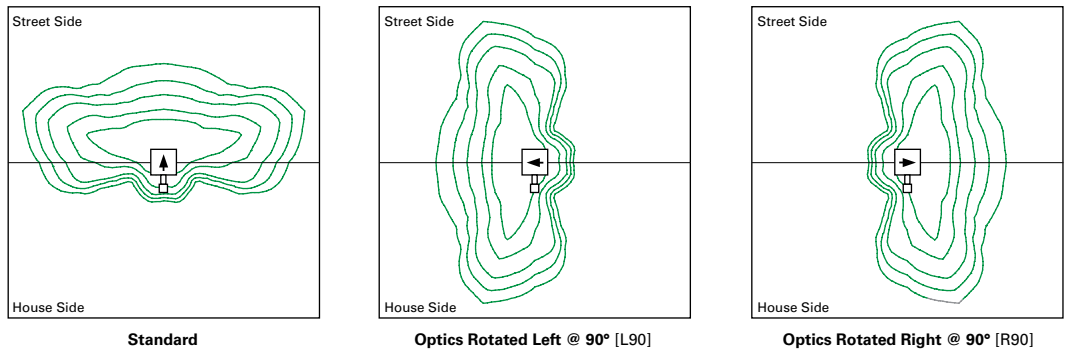


QUICK MOUNT ARM DATA

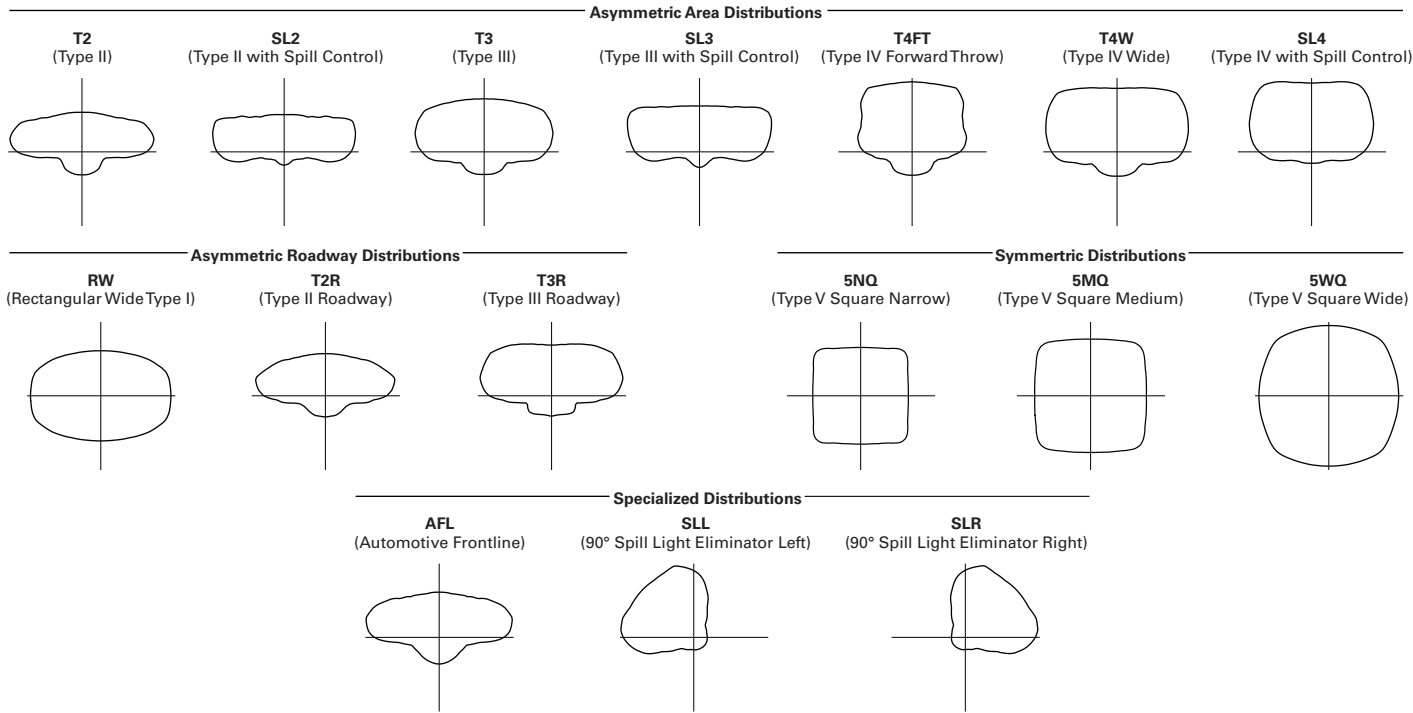
Number of Light Squares ^{1,2}	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 ³	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.

OPTIC ORIENTATION



OPTICAL DISTRIBUTIONS

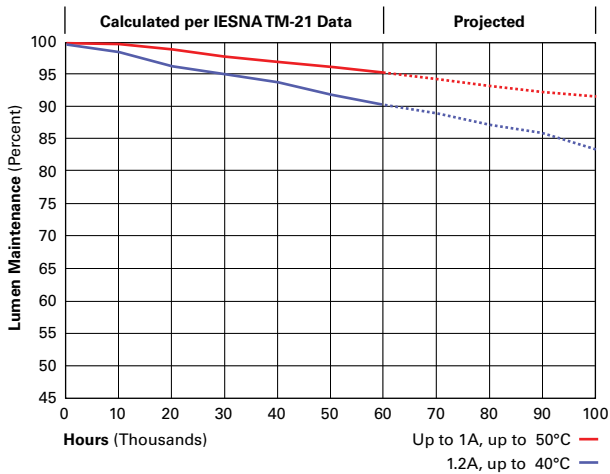


LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



NOMINAL POWER LUMENS (1.2A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		67	129	191	258	320	382	448	511	575	640
Input Current @ 120V (A)		0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Current @ 208V (A)		0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Current @ 240V (A)		0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Current @ 277V (A)		0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Current @ 347V (A)		0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Current @ 480V (A)		0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics											
T2	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
	3000K Lumens	6,053	11,829	17,650	23,321	28,895	34,578	40,893	46,334	51,685	57,225
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
	3000K Lumens	6,188	12,092	18,042	23,839	29,537	35,346	41,802	47,364	52,834	58,495
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
	3000K Lumens	6,088	11,897	17,753	23,457	29,063	34,779	41,130	46,602	51,984	57,556
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,837	13,361	19,936	26,342	32,639	39,057	46,189	52,336	58,380	64,636
	3000K Lumens	6,052	11,827	17,647	23,318	28,892	34,573	40,887	46,328	51,678	57,216
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
	3000K Lumens	5,750	11,238	16,768	22,156	27,451	32,850	38,848	44,018	49,102	54,364
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
	3000K Lumens	6,242	12,199	18,203	24,052	29,799	35,660	42,172	47,784	53,302	59,015
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
	3000K Lumens	6,358	12,423	18,538	24,494	30,348	36,317	42,948	48,664	54,283	60,102
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
	3000K Lumens	6,374	12,457	18,587	24,559	30,429	36,414	43,063	48,793	54,428	60,262
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
	3000K Lumens	5,319	10,393	15,508	20,491	25,388	30,381	35,929	40,710	45,412	50,278
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
RW	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
	3000K Lumens	6,187	12,089	18,039	23,834	29,530	35,338	41,791	47,353	52,822	58,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics											
T2	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
	3000K Lumens	5,414	10,579	15,786	20,858	25,843	30,926	36,574	41,440	46,226	51,180
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
	3000K Lumens	5,748	11,231	16,759	22,143	27,436	32,832	38,828	43,994	49,075	54,334
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
	3000K Lumens	5,518	10,783	16,089	21,260	26,340	31,521	37,277	42,237	47,115	52,165
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
	3000K Lumens	5,640	11,023	16,447	21,732	26,926	32,221	38,106	43,177	48,163	53,324
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
	3000K Lumens	5,550	10,845	16,183	21,383	26,493	31,703	37,494	42,483	47,388	52,467
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
	3000K Lumens	5,479	10,706	15,973	21,107	26,151	31,294	37,009	41,934	46,777	51,790
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	41,369	46,145	51,091
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,233	12,180	18,174	24,013	29,753	35,604	42,106	47,708	53,218	58,921
	3000K Lumens	5,517	10,782	16,088	21,256	26,337	31,517	37,272	42,231	47,109	52,157
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
	3000K Lumens	5,242	10,244	15,286	20,197	25,024	29,945	35,413	40,126	44,761	49,557
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,429	12,563	18,746	24,768	30,688	36,723	43,429	49,208	54,891	60,775
	3000K Lumens	5,691	11,121	16,594	21,925	27,165	32,507	38,443	43,559	48,590	53,798
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
	3000K Lumens	5,810	11,355	16,944	22,388	27,739	33,194	39,256	44,480	49,616	54,934
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
	3000K Lumens	4,849	9,474	14,137	18,679	23,144	27,694	32,753	37,111	41,396	45,833
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
	3000K Lumens	5,640	11,020	16,443	21,726	26,920	32,214	38,096	43,166	48,151	53,311
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
	3000K Lumens	5,660	11,060	16,504	21,806	27,017	32,331	38,235	43,323	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (800MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		44	85	124	171	210	249	295	334	374	419
Input Current @ 120V (A)		0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
Input Current @ 208V (A)		0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
Input Current @ 240V (A)		0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
Input Current @ 277V (A)		0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
Input Current @ 347V (A)		0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
Input Current @ 480V (A)		0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
Optics											
T2	4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3	4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
	3000K Lumens	4,458	8,711	12,997	17,174	21,279	25,464	30,114	34,121	38,061	42,140
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	4,784	9,350	13,951	18,434	22,840	27,332	32,323	36,624	40,854	45,232
	3000K Lumens	4,235	8,277	12,349	16,318	20,218	24,194	28,612	32,420	36,164	40,039
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	5,194	10,150	15,145	20,011	24,794	29,670	35,088	39,757	44,349	49,102
	3000K Lumens	4,598	8,985	13,406	17,714	21,948	26,264	31,060	35,193	39,258	43,465
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	5,290	10,337	15,424	20,380	25,250	30,217	35,734	40,489	45,165	50,006
	3000K Lumens	4,683	9,150	13,653	18,040	22,351	26,748	31,632	35,841	39,980	44,265
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	5,304	10,365	15,465	20,434	25,318	30,297	35,830	40,597	45,286	50,139
	3000K Lumens	4,695	9,175	13,690	18,088	22,411	26,819	31,717	35,936	40,087	44,383
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	4,426	8,648	12,903	17,049	21,124	25,278	29,894	33,872	37,784	41,832
	3000K Lumens	3,918	7,655	11,422	15,092	18,699	22,376	26,462	29,983	33,446	37,030
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	5,147	10,058	15,009	19,830	24,570	29,402	34,771	39,399	43,949	48,658
	3000K Lumens	4,556	8,903	13,286	17,554	21,749	26,027	30,779	34,876	38,904	43,072
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
AFL	4000K/5000K Lumens	5,166	10,095	15,063	19,903	24,659	29,509	34,898	39,542	44,108	48,835
	3000K Lumens	4,573	8,936	13,334	17,618	21,828	26,121	30,892	35,003	39,044	43,229
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (600MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		34	66	96	129	162	193	226	257	290	323
Input Current @ 120V (A)		0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
Input Current @ 208V (A)		0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
Input Current @ 240V (A)		0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
Input Current @ 277V (A)		0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
Input Current @ 347V (A)		0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
Input Current @ 480V (A)		0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
Optics											
T2	4000K/5000K Lumens	4,029	7,874	11,749	15,525	19,235	23,019	27,222	30,844	34,406	38,093
	3000K Lumens	3,566	6,970	10,400	13,743	17,027	20,376	24,097	27,303	30,456	33,720
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	4000K/5000K Lumens	4,278	8,360	12,474	16,482	20,421	24,437	28,900	32,745	36,527	40,441
	3000K Lumens	3,787	7,400	11,042	14,590	18,077	21,632	25,582	28,986	32,334	35,798
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	4000K/5000K Lumens	4,107	8,026	11,976	15,824	19,605	23,461	27,746	31,438	35,068	38,827
	3000K Lumens	3,636	7,105	10,601	14,007	17,354	20,768	24,561	27,829	31,042	34,370
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T3R	4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
	3000K Lumens	3,716	7,263	10,837	14,318	17,740	21,229	25,107	28,448	31,733	35,133
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	4,131	8,072	12,045	15,915	19,719	23,597	27,907	31,620	35,272	39,052
	3000K Lumens	3,657	7,145	10,662	14,088	17,455	20,888	24,703	27,990	31,223	34,569
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	4,077	7,968	11,889	15,710	19,465	23,292	27,546	31,212	34,816	38,547
	3000K Lumens	3,609	7,053	10,524	13,906	17,230	20,618	24,384	27,629	30,819	34,122
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL2	4000K/5000K Lumens	4,022	7,861	11,729	15,498	19,202	22,979	27,175	30,791	34,347	38,028
	3000K Lumens	3,560	6,959	10,383	13,719	16,998	20,341	24,055	27,256	30,404	33,662
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL3	4000K/5000K Lumens	4,106	8,025	11,974	15,821	19,603	23,458	27,742	31,433	35,064	38,821
	3000K Lumens	3,635	7,104	10,599	14,005	17,353	20,765	24,557	27,824	31,039	34,364
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	3,902	7,624	11,377	15,033	18,626	22,289	26,359	29,867	33,316	36,886
	3000K Lumens	3,454	6,749	10,071	13,307	16,488	19,730	23,333	26,438	29,491	32,651
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	40,042
	3000K Lumens	3,750	7,327	10,933	14,446	17,898	21,418	25,329	28,700	32,014	35,445
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	4,314	8,429	12,578	16,619	20,591	24,641	29,141	33,019	36,832	40,779
	3000K Lumens	3,819	7,461	11,134	14,711	18,227	21,812	25,796	29,228	32,604	36,098
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	4,325	8,452	12,611	16,664	20,646	24,707	29,219	33,106	36,930	40,888
	3000K Lumens	3,828	7,482	11,163	14,751	18,276	21,871	25,865	29,305	32,690	36,194
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	3,609	7,052	10,522	13,903	17,226	20,613	24,378	27,622	30,812	34,114
	3000K Lumens	3,195	6,242	9,314	12,307	15,248	18,247	21,579	24,451	27,275	30,198
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	4,197	8,202	12,239	16,171	20,036	23,977	28,356	32,129	35,839	39,680
	3000K Lumens	3,715	7,260	10,834	14,315	17,736	21,224	25,101	28,441	31,725	35,125
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	4000K/5000K Lumens	4,213	8,232	12,284	16,230	20,109	24,064	28,459	32,246	35,969	39,824
	3000K Lumens	3,729	7,287	10,874	14,367	17,800	21,301	25,192	28,544	31,840	35,252
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

CONTROL OPTIONS

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

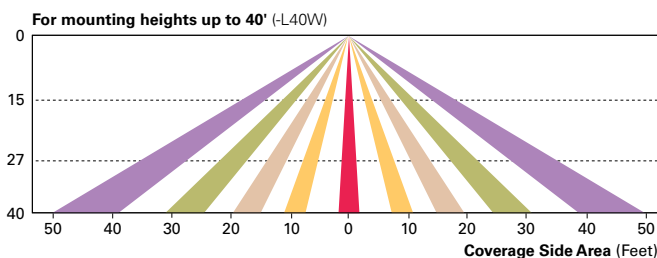
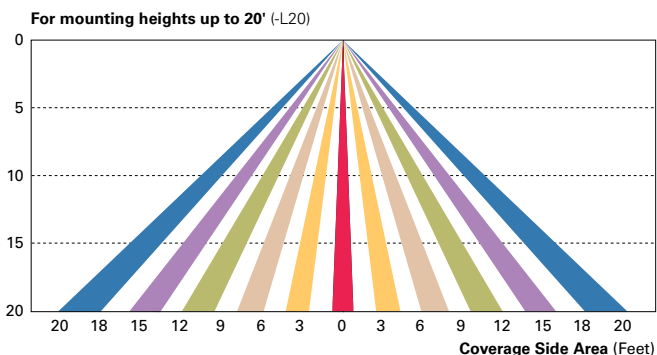
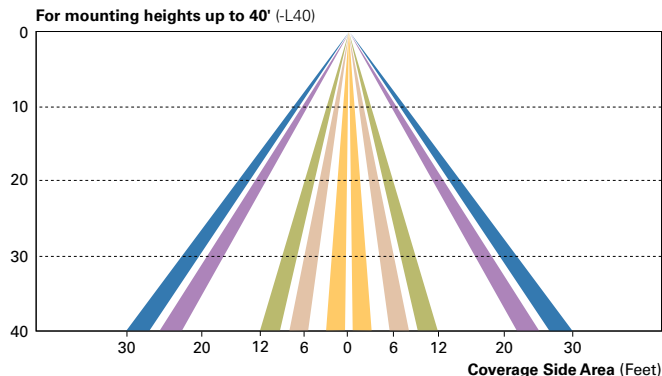
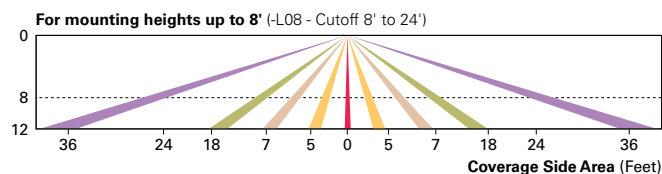
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

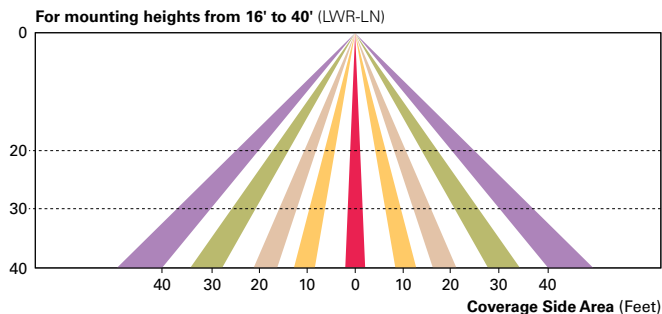
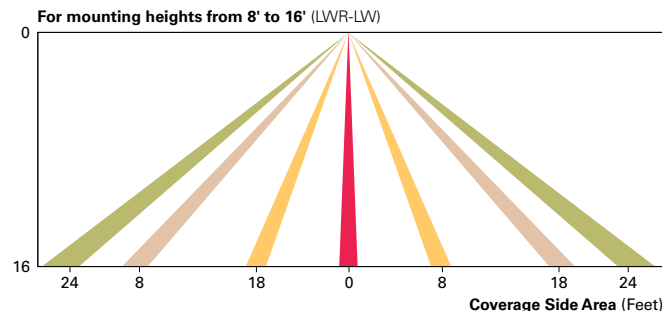
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.



LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)

Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family ^{1,2}	Light Engine	Number of Light Squares ³	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AF=1A Drive Current	01=1 02=2 03=3 04=4 05=5 ⁴ 06=6 07=7 ⁵ 08=8 ⁵ 09=9 ⁶ 10=10 ⁶	LED= Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁷ 480=480V ^{7,8}	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm ⁹ MA=Mast Arm Adapter ¹⁰ WM=Wall Mount QM=Quick Mount Arm (Standard Length) ¹¹ QMEA=Quick Mount Arm (Extended Length) ¹²
Options (Add as Suffix)					Accessories (Order Separately)		
7030=70 CRI 3000K ¹³ 8030=80 CRI 3000K ¹⁴ 7050=70 CRI 5000K ¹³ 7060=70 CRI 6000K ¹³ 600=Drive Current Factory Set to Nominal 600mA ¹⁵ 800=Drive Current Factory Set to Nominal 800mA ¹⁵ 1200=Drive Current Factory Set to Nominal 1200mA ^{15,16} F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) 2L=Two Circuits ^{17,18} DIM=External 0-10V Dimming Leads ^{19,20} P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Volatage) ²¹ PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ²¹ R=NEMA Twistlock Photocontrol Receptacle ²¹ AHD145=After Hours Dim, 5 Hours ²² AHD245=After Hours Dim, 6 Hours ²² AHD255=After Hours Dim, 7 Hours ²² AHD355=After Hours Dim, 8 Hours ²² HA=50°C High Ambient ²³ MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height ^{24,25} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{24,26} MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{24,27} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) ^{24,28} MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height ^{24,25,29} MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height ^{24,26,29} MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height ^{22,27,29} MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) ^{24,28,29} MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height ^{24,25} MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{24,26} MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ^{24,27} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) ^{24,28} LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{30,(A)} LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{30,(A)} WOLC-7P-10A=WaveLinx Wireless Outdoor Lighting Control Module ^(B) L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing ³¹ HSS=Factory Installed House Side Shield³² CE=CE Marking ³³					OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor ³⁴ GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit ¹⁰ GLEON-QMEA=Quick Mount Extended Arm Kit ¹¹ LS/HSS=Field Installed House Side Shield ^{32,33} WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin) ^{35,(B)}		

NOTES:
1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 14 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. 25 Approximately 100' detection diameter at 40' mounting height. 26 Approximately 40' detection diameter at 20' mounting height. 27 Approximately 60' detection diameter at 40' mounting height. 28 Approximately 100' detection diameter at 40' mounting height. 29 Replace X with number of Light Squares operating in low output mode. 30 LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. 31 Not available with house side shield (HSS). 32 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 33 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 34 One required for each Light Square. 35 Requires 7-pin NEMA twistlock photocontrol receptacle.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology* 	D=Dome Camera	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Catalog #	GLEON-AF-01-LED-E1-SL4-HSS	Type	F1
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. **QUICK MOUNT ARM:** Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty

Five-year warranty.



GLEON GALLEON LED

1-10 Light Squares

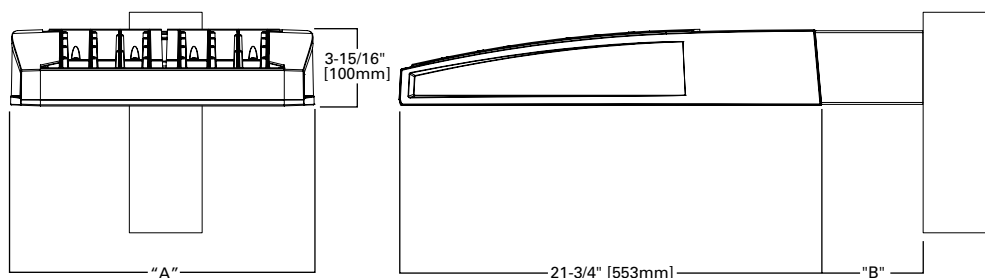
Solid State LED

AREA/SITE LUMINAIRE



LumenSafe Technology
[CLICK HERE](#)

DIMENSIONS

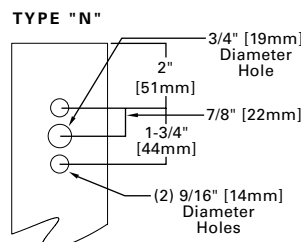


DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length ¹	Weight with Arm (lbs.)	EPA with Arm ² (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

DRILLING PATTERN



CERTIFICATION DATA

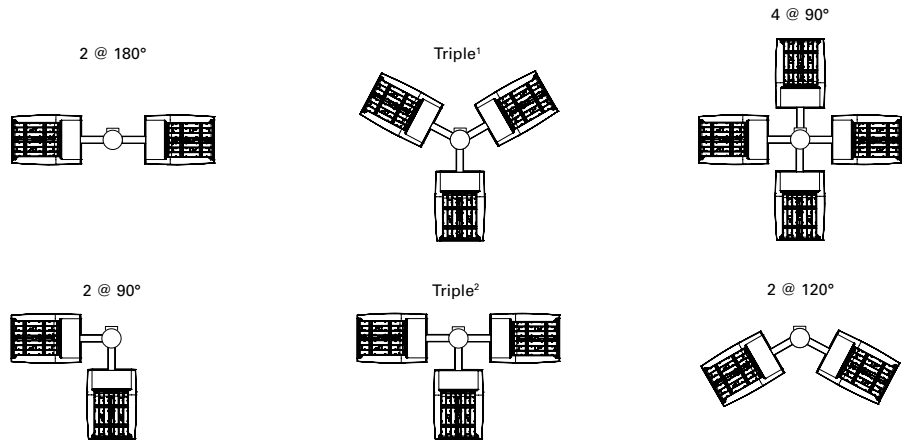
UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
IP66 Rated
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

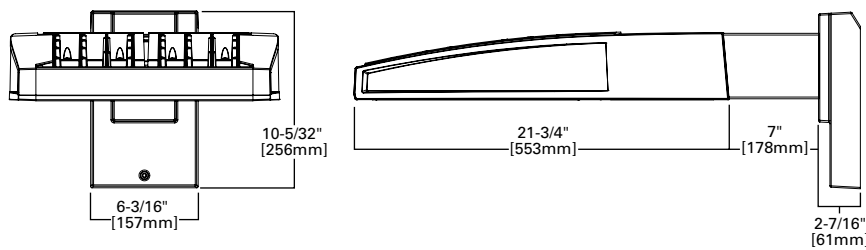
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

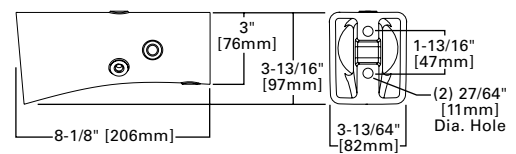


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

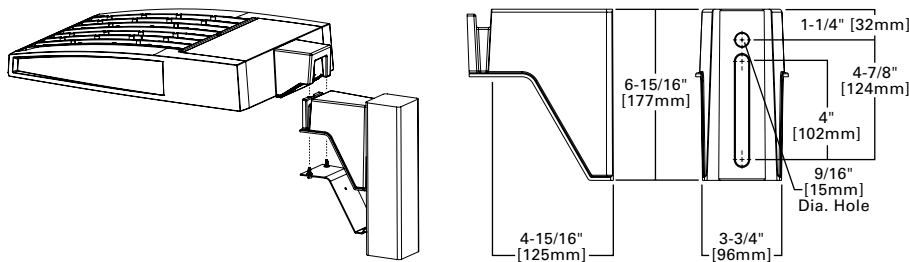
STANDARD WALL MOUNT



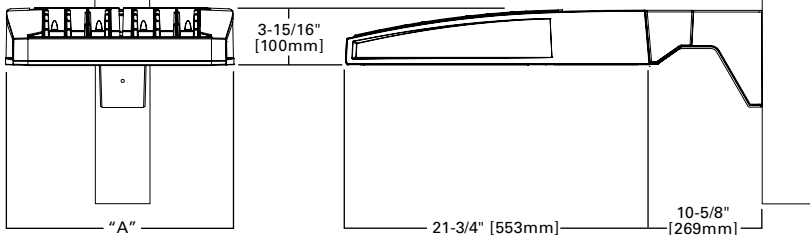
MAST ARM MOUNT



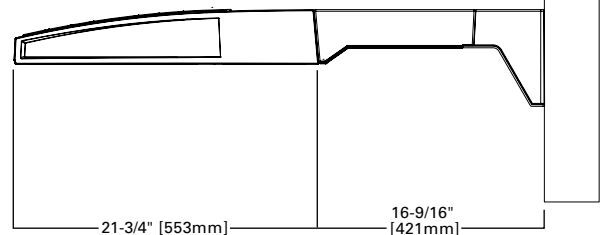
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

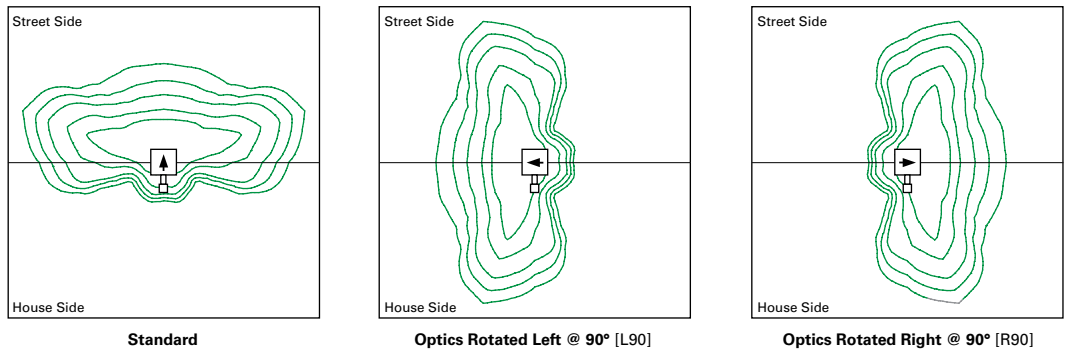


QUICK MOUNT ARM DATA

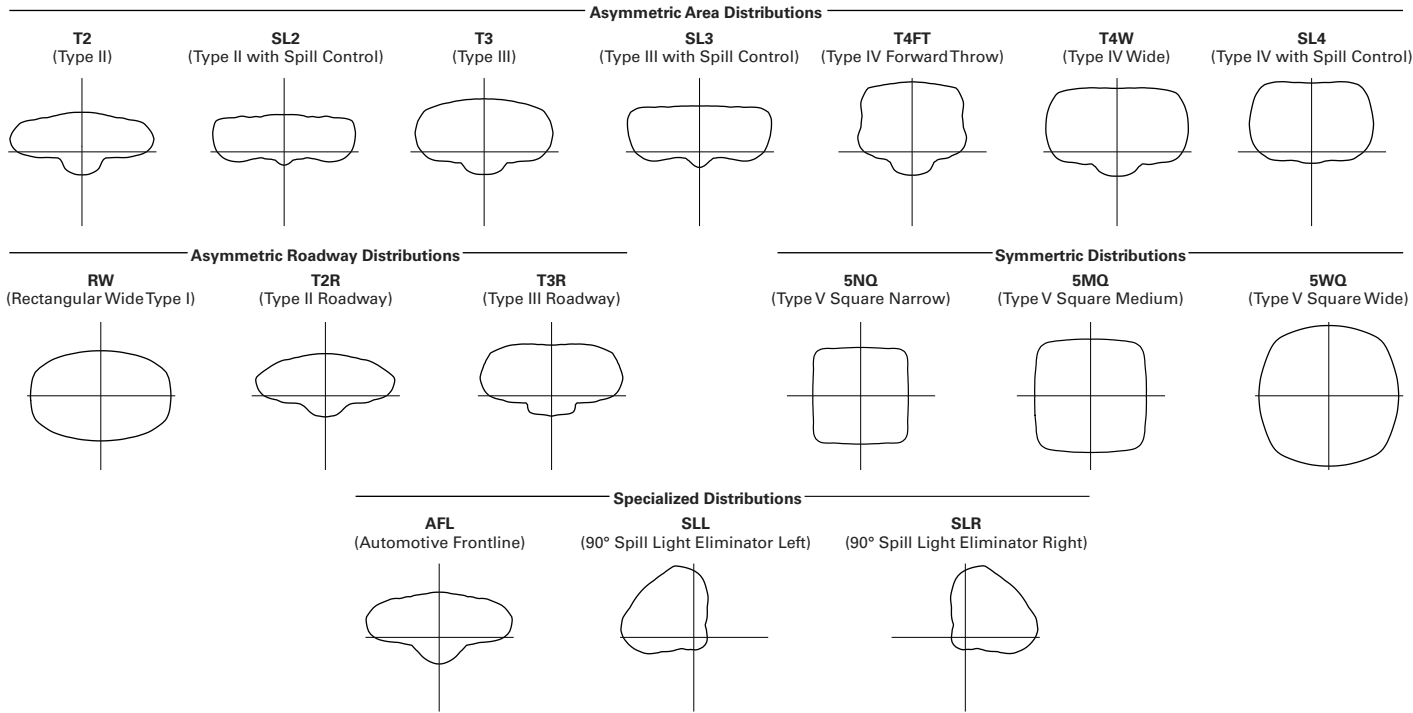
Number of Light Squares ^{1,2}	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 ³	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.

OPTIC ORIENTATION



OPTICAL DISTRIBUTIONS

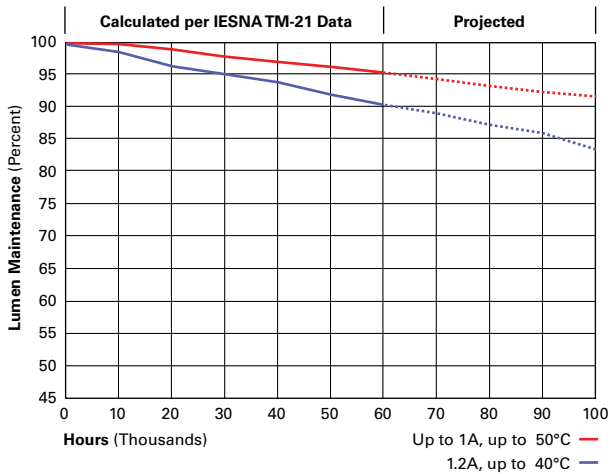


LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



NOMINAL POWER LUMENS (1.2A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		67	129	191	258	320	382	448	511	575	640
Input Current @ 120V (A)		0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Current @ 208V (A)		0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Current @ 240V (A)		0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Current @ 277V (A)		0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Current @ 347V (A)		0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Current @ 480V (A)		0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics											
T2	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
	3000K Lumens	6,053	11,829	17,650	23,321	28,895	34,578	40,893	46,334	51,685	57,225
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
	3000K Lumens	6,188	12,092	18,042	23,839	29,537	35,346	41,802	47,364	52,834	58,495
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
	3000K Lumens	6,088	11,897	17,753	23,457	29,063	34,779	41,130	46,602	51,984	57,556
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,837	13,361	19,936	26,342	32,639	39,057	46,189	52,336	58,380	64,636
	3000K Lumens	6,052	11,827	17,647	23,318	28,892	34,573	40,887	46,328	51,678	57,216
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
	3000K Lumens	5,750	11,238	16,768	22,156	27,451	32,850	38,848	44,018	49,102	54,364
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
	3000K Lumens	6,242	12,199	18,203	24,052	29,799	35,660	42,172	47,784	53,302	59,015
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
	3000K Lumens	6,358	12,423	18,538	24,494	30,348	36,317	42,948	48,664	54,283	60,102
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
	3000K Lumens	6,374	12,457	18,587	24,559	30,429	36,414	43,063	48,793	54,428	60,262
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
	3000K Lumens	5,319	10,393	15,508	20,491	25,388	30,381	35,929	40,710	45,412	50,278
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
RW	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
	3000K Lumens	6,187	12,089	18,039	23,834	29,530	35,338	41,791	47,353	52,822	58,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics											
T2	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
	3000K Lumens	5,414	10,579	15,786	20,858	25,843	30,926	36,574	41,440	46,226	51,180
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
	3000K Lumens	5,748	11,231	16,759	22,143	27,436	32,832	38,828	43,994	49,075	54,334
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
	3000K Lumens	5,518	10,783	16,089	21,260	26,340	31,521	37,277	42,237	47,115	52,165
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
	3000K Lumens	5,640	11,023	16,447	21,732	26,926	32,221	38,106	43,177	48,163	53,324
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
	3000K Lumens	5,550	10,845	16,183	21,383	26,493	31,703	37,494	42,483	47,388	52,467
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
	3000K Lumens	5,479	10,706	15,973	21,107	26,151	31,294	37,009	41,934	46,777	51,790
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	41,369	46,145	51,091
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,233	12,180	18,174	24,013	29,753	35,604	42,106	47,708	53,218	58,921
	3000K Lumens	5,517	10,782	16,088	21,256	26,337	31,517	37,272	42,231	47,109	52,157
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
	3000K Lumens	5,242	10,244	15,286	20,197	25,024	29,945	35,413	40,126	44,761	49,557
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,429	12,563	18,746	24,768	30,688	36,723	43,429	49,208	54,891	60,775
	3000K Lumens	5,691	11,121	16,594	21,925	27,165	32,507	38,443	43,559	48,590	53,798
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
	3000K Lumens	5,810	11,355	16,944	22,388	27,739	33,194	39,256	44,480	49,616	54,934
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
	3000K Lumens	4,849	9,474	14,137	18,679	23,144	27,694	32,753	37,111	41,396	45,833
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
	3000K Lumens	5,640	11,020	16,443	21,726	26,920	32,214	38,096	43,166	48,151	53,311
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
	3000K Lumens	5,660	11,060	16,504	21,806	27,017	32,331	38,235	43,323	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (800MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		44	85	124	171	210	249	295	334	374	419
Input Current @ 120V (A)		0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
Input Current @ 208V (A)		0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
Input Current @ 240V (A)		0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
Input Current @ 277V (A)		0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
Input Current @ 347V (A)		0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
Input Current @ 480V (A)		0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
Optics											
T2	4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3	4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
	3000K Lumens	4,458	8,711	12,997	17,174	21,279	25,464	30,114	34,121	38,061	42,140
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	4,784	9,350	13,951	18,434	22,840	27,332	32,323	36,624	40,854	45,232
	3000K Lumens	4,235	8,277	12,349	16,318	20,218	24,194	28,612	32,420	36,164	40,039
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	5,194	10,150	15,145	20,011	24,794	29,670	35,088	39,757	44,349	49,102
	3000K Lumens	4,598	8,985	13,406	17,714	21,948	26,264	31,060	35,193	39,258	43,465
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	5,290	10,337	15,424	20,380	25,250	30,217	35,734	40,489	45,165	50,006
	3000K Lumens	4,683	9,150	13,653	18,040	22,351	26,748	31,632	35,841	39,980	44,265
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	5,304	10,365	15,465	20,434	25,318	30,297	35,830	40,597	45,286	50,139
	3000K Lumens	4,695	9,175	13,690	18,088	22,411	26,819	31,717	35,936	40,087	44,383
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	4,426	8,648	12,903	17,049	21,124	25,278	29,894	33,872	37,784	41,832
	3000K Lumens	3,918	7,655	11,422	15,092	18,699	22,376	26,462	29,983	33,446	37,030
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	5,147	10,058	15,009	19,830	24,570	29,402	34,771	39,399	43,949	48,658
	3000K Lumens	4,556	8,903	13,286	17,554	21,749	26,027	30,779	34,876	38,904	43,072
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
AFL	4000K/5000K Lumens	5,166	10,095	15,063	19,903	24,659	29,509	34,898	39,542	44,108	48,835
	3000K Lumens	4,573	8,936	13,334	17,618	21,828	26,121	30,892	35,003	39,044	43,229
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (600MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		34	66	96	129	162	193	226	257	290	323
Input Current @ 120V (A)		0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
Input Current @ 208V (A)		0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
Input Current @ 240V (A)		0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
Input Current @ 277V (A)		0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
Input Current @ 347V (A)		0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
Input Current @ 480V (A)		0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
Optics											
T2	4000K/5000K Lumens	4,029	7,874	11,749	15,525	19,235	23,019	27,222	30,844	34,406	38,093
	3000K Lumens	3,566	6,970	10,400	13,743	17,027	20,376	24,097	27,303	30,456	33,720
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	4000K/5000K Lumens	4,278	8,360	12,474	16,482	20,421	24,437	28,900	32,745	36,527	40,441
	3000K Lumens	3,787	7,400	11,042	14,590	18,077	21,632	25,582	28,986	32,334	35,798
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	4000K/5000K Lumens	4,107	8,026	11,976	15,824	19,605	23,461	27,746	31,438	35,068	38,827
	3000K Lumens	3,636	7,105	10,601	14,007	17,354	20,768	24,561	27,829	31,042	34,370
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T3R	4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
	3000K Lumens	3,716	7,263	10,837	14,318	17,740	21,229	25,107	28,448	31,733	35,133
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	4,131	8,072	12,045	15,915	19,719	23,597	27,907	31,620	35,272	39,052
	3000K Lumens	3,657	7,145	10,662	14,088	17,455	20,888	24,703	27,990	31,223	34,569
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	4,077	7,968	11,889	15,710	19,465	23,292	27,546	31,212	34,816	38,547
	3000K Lumens	3,609	7,053	10,524	13,906	17,230	20,618	24,384	27,629	30,819	34,122
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL2	4000K/5000K Lumens	4,022	7,861	11,729	15,498	19,202	22,979	27,175	30,791	34,347	38,028
	3000K Lumens	3,560	6,959	10,383	13,719	16,998	20,341	24,055	27,256	30,404	33,662
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL3	4000K/5000K Lumens	4,106	8,025	11,974	15,821	19,603	23,458	27,742	31,433	35,064	38,821
	3000K Lumens	3,635	7,104	10,599	14,005	17,353	20,765	24,557	27,824	31,039	34,364
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	3,902	7,624	11,377	15,033	18,626	22,289	26,359	29,867	33,316	36,886
	3000K Lumens	3,454	6,749	10,071	13,307	16,488	19,730	23,333	26,438	29,491	32,651
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	40,042
	3000K Lumens	3,750	7,327	10,933	14,446	17,898	21,418	25,329	28,700	32,014	35,445
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	4,314	8,429	12,578	16,619	20,591	24,641	29,141	33,019	36,832	40,779
	3000K Lumens	3,819	7,461	11,134	14,711	18,227	21,812	25,796	29,228	32,604	36,098
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	4,325	8,452	12,611	16,664	20,646	24,707	29,219	33,106	36,930	40,888
	3000K Lumens	3,828	7,482	11,163	14,751	18,276	21,871	25,865	29,305	32,690	36,194
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	3,609	7,052	10,522	13,903	17,226	20,613	24,378	27,622	30,812	34,114
	3000K Lumens	3,195	6,242	9,314	12,307	15,248	18,247	21,579	24,451	27,275	30,198
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	4,197	8,202	12,239	16,171	20,036	23,977	28,356	32,129	35,839	39,680
	3000K Lumens	3,715	7,260	10,834	14,315	17,736	21,224	25,101	28,441	31,725	35,125
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	4000K/5000K Lumens	4,213	8,232	12,284	16,230	20,109	24,064	28,459	32,246	35,969	39,824
	3000K Lumens	3,729	7,287	10,874	14,367	17,800	21,301	25,192	28,544	31,840	35,252
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

CONTROL OPTIONS

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

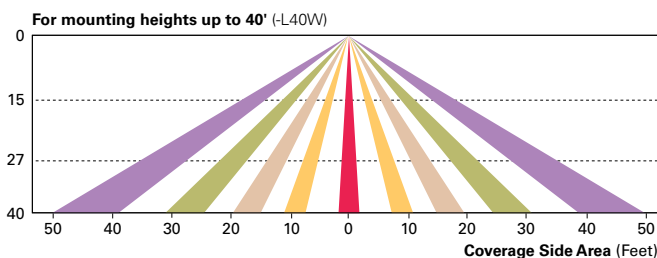
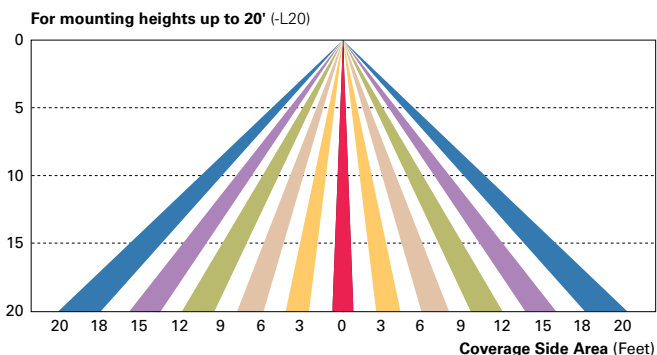
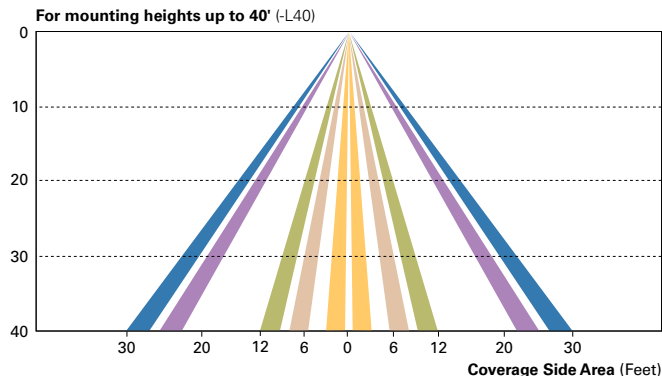
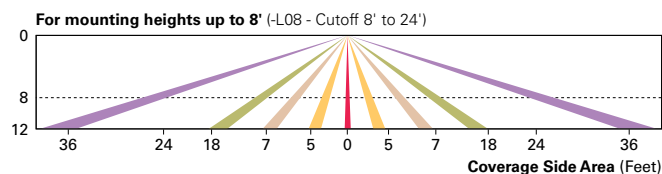
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

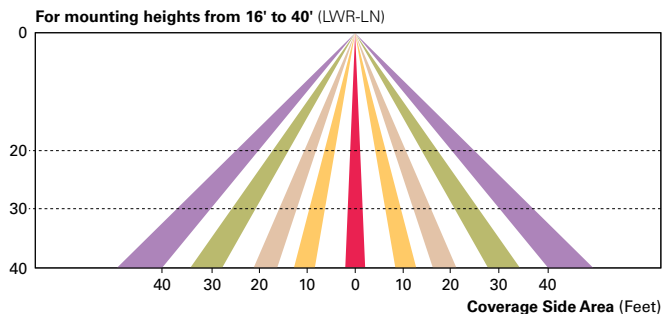
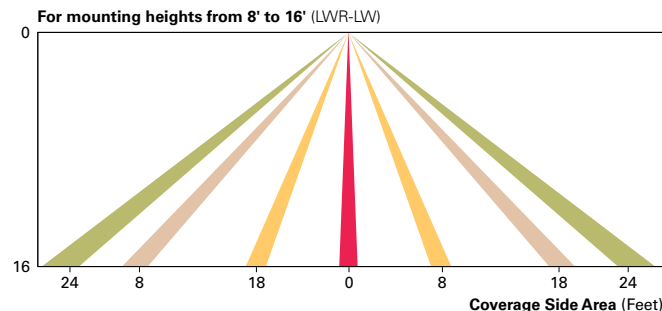
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)

Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family ^{1,2}	Light Engine	Number of Light Squares ³	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AF=1A Drive Current	01=1 02=2 03=3 04=4 05=5 ⁴ 06=6 07=7 ⁵ 08=8 ⁵ 09=9 ⁶ 10=10 ⁶	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁷ 480=480V ^{7,8}	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm ⁹ MA=Mast Arm Adapter ¹⁰ WM=Wall Mount QM=Quick Mount Arm (Standard Length) ¹¹ QMEA=Quick Mount Arm (Extended Length) ¹²
Options (Add as Suffix)					Accessories (Order Separately)		
7030=70 CRI 3000K¹³ 8030=80 CRI 3000K¹⁴ 7050=70 CRI 5000K¹³ 7060=70 CRI 6000K¹³ 600=Drive Current Factory Set to Nominal 600mA¹⁵ 800=Drive Current Factory Set to Nominal 800mA¹⁵ 1200=Drive Current Factory Set to Nominal 1200mA^{15,16} F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) 2L=Two Circuits^{17,18} DIM=External 0-10V Dimming Leads^{19,20} P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Volatage)²¹ PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle²¹ R=NEMA Twistlock Photocontrol Receptacle²¹ AHD145=After Hours Dim, 5 Hours²² AHD245=After Hours Dim, 6 Hours²² AHD255=After Hours Dim, 7 Hours²² AHD355=After Hours Dim, 8 Hours²² HA=50°C High Ambient²³ MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height^{24,25} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height^{24,26} MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height^{24,27} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range)^{24,28} MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height^{24,25,29} MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height^{24,26,29} MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height^{22,27,29} MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range)^{24,28,29} MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height^{24,25} MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height^{24,26} MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height^{24,27} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range)^{24,28} LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height^{30,(A)} LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height^{30,(A)} WOLC-7P-10A=WaveLinx Wireless Outdoor Lighting Control Module^(B) L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing³¹ HSS=Factory Installed House Side Shield³² CE=CE Marking³³					OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor³⁴ GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit¹⁰ GLEON-QMEA=Quick Mount Extended Arm Kit¹¹ LS/HSS=Field Installed House Side Shield^{32,33} WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin)^{35,(B)}		

NOTES:
1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 14 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. 25 Approximately 100' detection diameter at 40' mounting height. 26 Approximately 40' detection diameter at 20' mounting height. 27 Approximately 60' detection diameter at 40' mounting height. 28 Approximately 100' detection diameter at 40' mounting height. 29 Replace X with number of Light Squares operating in low output mode. 30 LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. 31 Not available with house side shield (HSS). 32 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 33 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 34 One required for each Light Square. 35 Requires 7-pin NEMA twistlock photocontrol receptacle.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology* 	D=Dome Camera	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

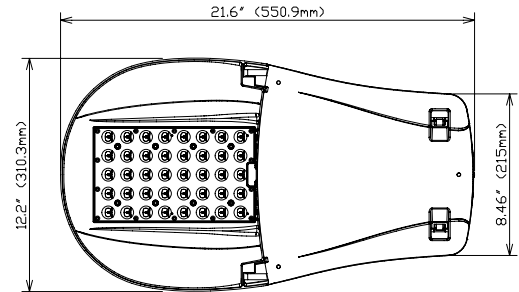
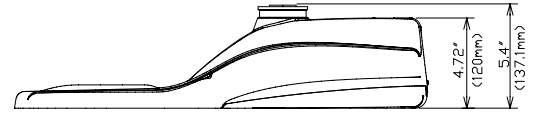
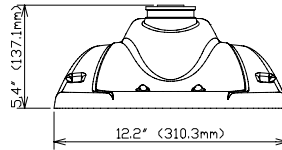
*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.

GreenCobra™ Midsize LED Street Light

GCM H-Series Specification Data Sheet

Luminaire Data

Weight 10 lbs [4.6 kg]
EPA 0.44 ft²



Ordering Information

Sample Catalog No. GCM2 30H MV NW 2R GY 700 PCR7 WL

Product	LED Code	Voltage	Color Temperature	Distribution	Finish ¹	30H Drive Current Code ²	Options
GCM2	30H	MV 120-277V HV 347-480V	WW 3000K NW 4000K CW 5000K	2S Type 2 Short 2R Type 2 Medium 3R Type 3 Medium 4 Type 4 5 Type 5	GY Gray DB Dark Bronze BK Black	530 610 700 850 1A	FDC ³ Fixed Drive Current FFA ⁴ Full field Adjustability LPCR Less Photocontrol Receptacle PCR7 ⁵ ANSI 7-wire Photo-control Receptacle PCR7-CR ⁶ Control Ready 7-wire PC Receptacle WL Utility Wattage Label 4B 4-Bolt Mounting Bracket RWG Rubber Wildlife Guard SWTB Straight Wire Terminal Block BBL Bubble Level CF ⁷ Coastal Paint Finish
GCM2	40H					40H Drive Current Code ² 575 700 850 950 1A	

Notes:

- 1 Gray, Black, and Dark Bronze standard. Consult factory for other finishes.
- 2 Specified drive current code is the factory set maximum drive current. Field adjustable current selector enables standard dimming to lower wattage drive currents only. Consult factory if wattage limits require a special drive current.
- 3 Non-field adjustable, fixed drive current. Specify required drive current. Not available with PCR7-CR option.
- 4 The FFA option enables full field adjustability from the specified drive current code to all drive currents available. This option is not DLC qualified.
- 5 Field adjustable current selector included to enable standard dimming to lower wattage drive currents only. Field changeable connectors included to enable connection to PCR7 (wireless node dimming is disabled by default).
- 6 Control-ready wired at factory for wireless node dimming. Supplied at maximum drive current. If a lower drive current is required, consult factory.
- 7 Specify the CF Option for coastal installation. See warranty for details.
- 8 Flush mounted house side shield. Shield cuts light off at 1/2 mounting height behind luminaire.
- 9 Flush mounted cul-de-sac shield. Shield cuts light off at 1/2 mounting height behind luminaire and 1-1/2 mounting height on either side of luminaire.
- 10 Flush mounted front side shield cuts light off at approximately one mounting height in front of luminaire (street side).
- 11 Specify Color (GY, DB, BK)
- 12 Specify MV (120-277V) or HV (347V-480V)

Accessories*

HSSGCM ⁸	House Side Shield, Snap-On*
CSSGCM ⁹	Cul-De-Sac Side Shield, Snap-On*
FSSGCM ¹⁰	Front Side Shield, Snap-On*
SPB ¹¹	Square Pole Horizontal Arm Bracket
RPB ¹¹	Round Pole Horizontal Arm Bracket
PTB ¹¹	Pole Top Tenon Horizontal Arm Bracket
PTB2 ¹¹	Pole Top Tenon Horizontal Arm Bracket (2@180°)
WB ¹¹	Wall Horizontal Arm Bracket
BSK	Bird Deterrent Spider Kit
LLPC ¹²	Long-Life Twist Lock Photocontrol
SC	Twist Lock Shorting Cap

*Accessories are ordered separately and not to be included in the catalog number. For factory installed HSS, CSS, and FSS consult factory.

Luminaire Specifications

Housing

Die cast aluminum housing with universal two-bolt slip fitter mounts to 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter mast arm. One-piece aluminum housing provides passive heat-sinking of the LEDs and has upper surfaces that shed precipitation. Four-bolt mounting bracket is available. Mounting provisions meet 3G vibration per ANSI C136.31-2010 Normal Application, Bridge & Overpass. Mounting has leveling adjustment from $\pm 5^\circ$ in 2.5° steps. Electrical components are accessed without tools via a high-strength, non-conductive polycarbonate door with quick-release latches. Polycarbonate material meets UL 746C for outdoor usage. Available rubber wildlife guard (RWG option) conforms to mast arm with no gaps.

Light Emitting Diodes

High-flux/High-power white LEDs produce a minimum of 90% of initial intensity over 75,000 hours of life based on IES TM-21 (L90 $\geq$ 75k hours). LEDs are tested in accordance with IES LM-80 testing procedures. LEDs have correlated color temperature of 3000K (WW), 4000K (NW), or 5000K (CW) and 70 CRI minimum. LEDs are 100% mercury and lead free.

Field Adjustability

LED drive current can be changed in the field to adjust light output for local conditions (not available with PCR7-CR option). The specified drive current code will be the factory set maximum drive current and field adjustments can only be made to available lower wattage drive currents. Select the FFA option if full field adjustability to all available drive currents (1A max) is desired. The FFA option is not DLC qualified.

Quality Control

Every luminaire is performance tested before and after a 2-hour burn-in period. Assembled in the USA.

Optical Systems

Micro-lens optical systems produce IESNA Type 2, Type 3, Type 4, or Type 5 distributions and are fully sealed to maintain an IP66 rating. Luminaire produces 0% total lumens above 90° (BUG Rating, U=0). Optional house side shield cuts light off at 1/2 mounting height behind luminaire. Cul-de-sac shield provides back and side light control for end of cul-de-sac applications. Both shields are field installable without tools.

Electrical

Rated life of electrical components is 100,000 hours. Uses isolated power supply that is 1-10V dimmable. Power supply is wired with quick-disconnect terminals. Power supply features a minimum power factor of .90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Terminal block accommodates 6 to 14 gauge wire. Surge protection complies with IEEE/ANSI C62.41 Category C High, 20kV/10kA and ANSI C136.2-2015, 20kV/10kA.

Controls

3-Wire photocontrol receptacle is standard. ANSI C136.41 7-wire (PCR7) photocontrol receptacle is available. All photocontrol receptacles have tool-less rotatable bases. Wireless control module is provided by others.

Finish

Housing receives a durable, fade-resistant polyester powder coat finish with 3.0 mil nominal thickness. Standard finish tested to withstand 5000 hours in salt spray exposure per ASTM B117 and Coastal Finish per ASTM G85. Finish meets scribe creepage rating 8 per ASTM D1654. Finish tested 500 hours in UV exposure per ASTM G154 and meets ASTM D523 gloss retention.

Listings/Ratings/Labels

Luminaires are UL listed for use in wet locations in the United States and Canada. DesignLights Consortium™ qualified product. Consult DLC QPL for Standard and Premium Classification Listings. International Dark Sky Association listed. Luminaire is qualified to operate at ambient temperatures of -40°C to 40°C.

Photometry

Luminaire photometrics are tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Warranty

10-year limited warranty is standard on luminaire and components.

Vandal Resistance

Housing and optics rated to IK10

Standards

Luminaire complies with:
ANSI: C136.2, C136.3, C136.10, C136.13, C136.15, C136.22, C136.31, C136.35, C136.37, C136.41, C62.41, C78.377, C82.77
Other: FCC 47 CFR, IEC 60598, ROHS II, UL 1449, UL 1598

Performance Data: 3000K (WW)

All data nominal. IES files for all CCTs available at leotek.com.

Product	LED Code	Drive Current Code	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)
GCM2	30H	530	48	5770	120
		610	58	6700	116
		700	68	7620	112
		850	82	8800	107
		1A	101	10480	104
	40H	575	73	8780	120
		700	88	10230	116
		850	107	11960	112
		950	121	13040	108
		1A	135	14080	104

Notes:

1 Nominal lumens. Normal tolerance $\pm 10\%$ due to factors including distribution type, LED bin variance, and ambient temperatures.

Performance Data: 4000K (NW) and 5000K (CW)

All data nominal. IES files for all CCTs available at leotek.com.

Product	LED Code	Drive Current Code	System Wattage (W)	Delivered Lumens (Lm) ¹	Efficacy (Lm/W)
GCM2	30H	530	48	6330	132
		610	58	7440	128
		700	68	8550	126
		850	82	9830	120
		1A	101	11720	116
	40H	575	73	9590	131
		700	88	11260	128
		850	107	13270	124
		950	121	14390	119
		1A	135	15430	114

Notes:

1 Nominal lumens. Normal tolerance $\pm 10\%$ due to factors including distribution type, LED bin variance, and ambient temperatures.

BUG Ratings

3000K (WW)

			Type 2S	Type 2R	Type 3R	Type 4	Type 5
Product	LED Code	Drive Current Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
GCM2	30H	530	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G1	B3 U0 G1
		610	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G2	B3 U0 G1
		700	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G1
		850	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		1A	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
	40H	575	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		700	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		850	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B3 U0 G2
		950	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		1A	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2

4000K (NW)

			Type 2S	Type 2R	Type 3R	Type 4	Type 5
Product	LED Code	Drive Current Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
GCM2	30H	530	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G1	B3 U0 G1
		610	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G1
		700	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		850	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		1A	B3 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2	B3 U0 G2
	40H	575	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		700	B2 U0 G2	B2 U0 G2	B3 U0 G3	B2 U0 G2	B3 U0 G2
		850	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		950	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		1A	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G2

5000K (CW)

			Type 2S	Type 2R	Type 3R	Type 4	Type 5
Product	LED Code	Drive Current Code	BUG Rating	BUG Rating	BUG Rating	BUG Rating	BUG Rating
GCM2	30H	530	B2 U0 G1	B1 U0 G1	B2 U0 G2	B2 U0 G1	B3 U0 G1
		610	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G1
		700	B2 U0 G1	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		850	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		1A	B2 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B3 U0 G2
	40H	575	B2 U0 G2	B2 U0 G2	B2 U0 G2	B2 U0 G2	B3 U0 G2
		700	B2 U0 G2	B2 U0 G2	B3 U0 G3	B2 U0 G2	B3 U0 G2
		850	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		950	B3 U0 G2	B2 U0 G2	B3 U0 G3	B3 U0 G2	B4 U0 G2
		1A	B3 U0 G2	B3 U0 G3	B3 U0 G3	B3 U0 G3	B4 U0 G2

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Catalog #	GLEON-AF-01-LED-E1-SL4-HSS	Type	F1
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. **QUICK MOUNT ARM:** Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty

Five-year warranty.



GLEON GALLEON LED

1-10 Light Squares

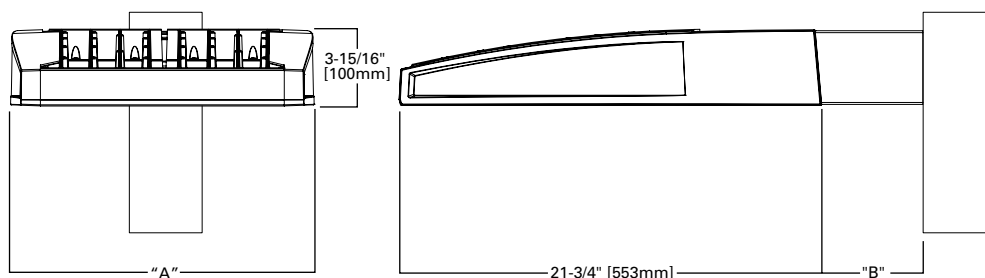
Solid State LED

AREA/SITE LUMINAIRE



LumenSafe Technology
[CLICK HERE](#)

DIMENSIONS

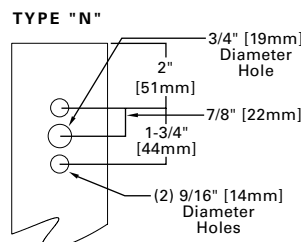


DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length ¹	Weight with Arm (lbs.)	EPA with Arm ² (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

DRILLING PATTERN



CERTIFICATION DATA

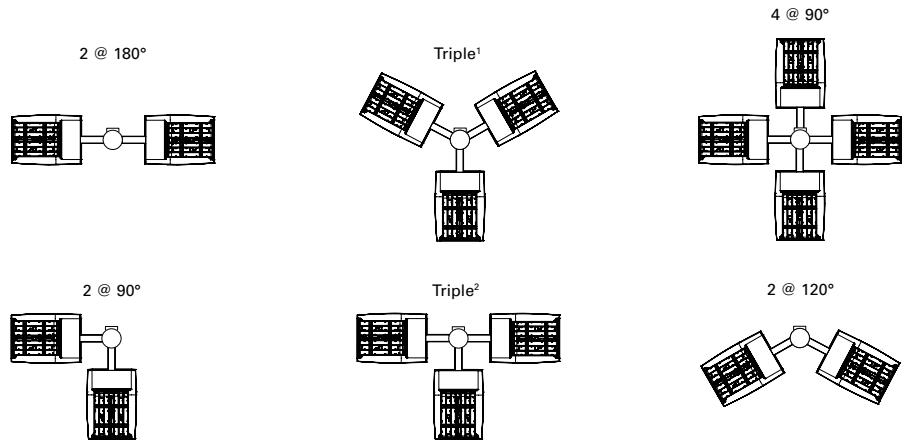
UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
IP66 Rated
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

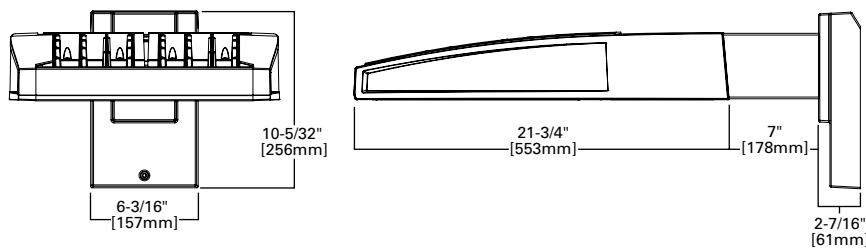
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

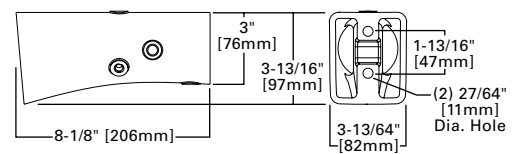


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

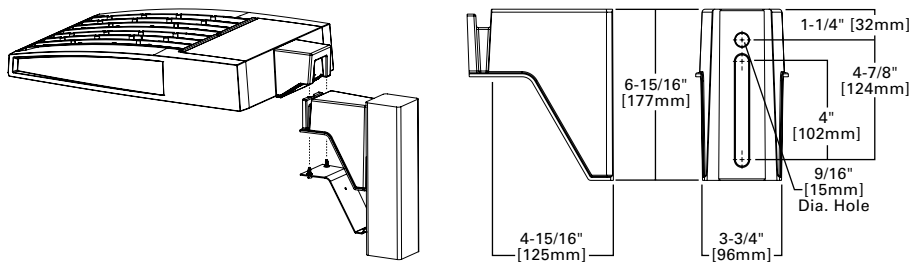
STANDARD WALL MOUNT



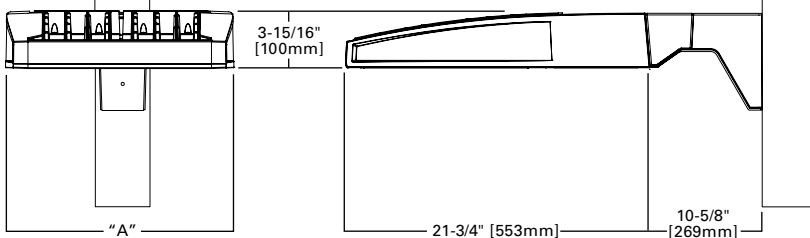
MAST ARM MOUNT



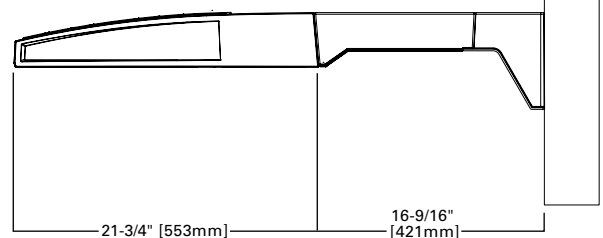
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

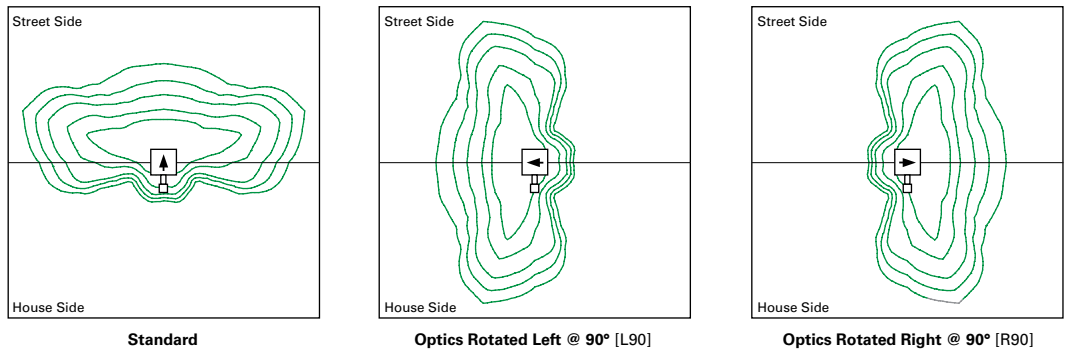


QUICK MOUNT ARM DATA

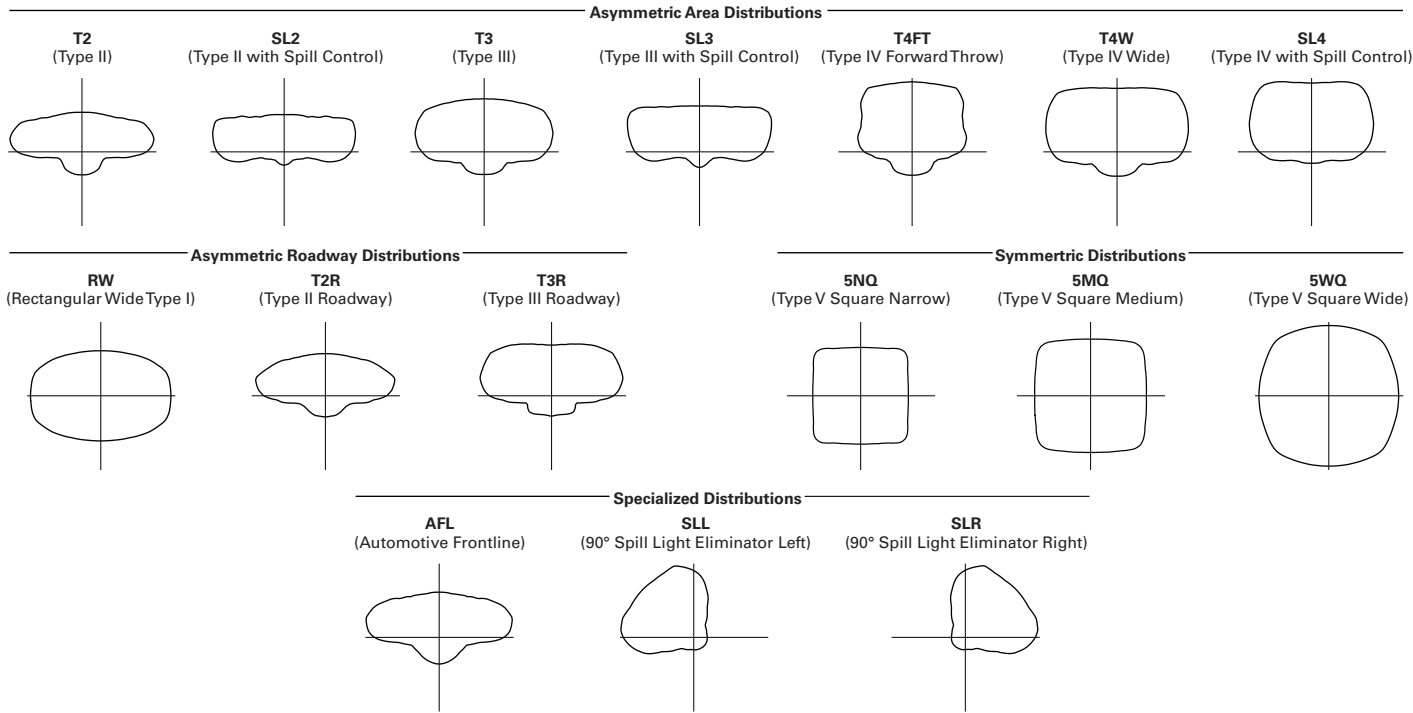
Number of Light Squares ^{1,2}	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 ³	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.

OPTIC ORIENTATION



OPTICAL DISTRIBUTIONS

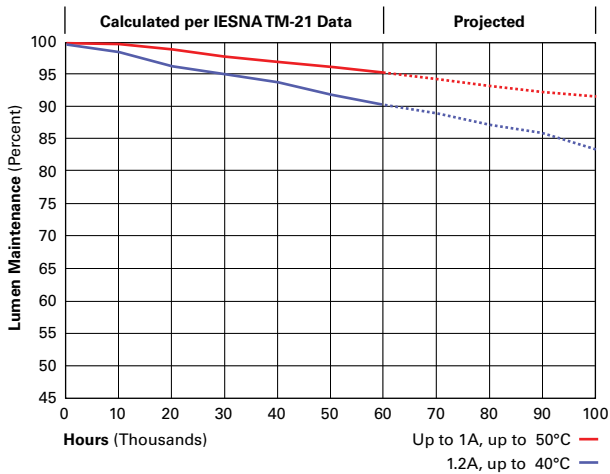


LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



NOMINAL POWER LUMENS (1.2A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		67	129	191	258	320	382	448	511	575	640
Input Current @ 120V (A)		0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Current @ 208V (A)		0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Current @ 240V (A)		0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Current @ 277V (A)		0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Current @ 347V (A)		0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Current @ 480V (A)		0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics											
T2	4000K/5000K Lumens	6,709	13,111	19,562	25,848	32,026	38,325	45,324	51,355	57,286	63,424
	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	7,122	13,919	20,769	27,442	34,000	40,687	48,117	54,519	60,816	67,333
	3000K Lumens	5,939	11,606	17,316	22,881	28,349	33,925	40,121	45,459	50,710	56,143
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,838	13,363	19,939	26,346	32,642	39,062	46,196	52,343	58,388	64,646
	3000K Lumens	6,053	11,829	17,650	23,321	28,895	34,578	40,893	46,334	51,685	57,225
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,990	13,660	20,382	26,931	33,368	39,930	47,223	53,506	59,686	66,081
	3000K Lumens	6,188	12,092	18,042	23,839	29,537	35,346	41,802	47,364	52,834	58,495
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,878	13,440	20,055	26,499	32,832	39,289	46,464	52,646	58,726	65,020
	3000K Lumens	6,088	11,897	17,753	23,457	29,063	34,779	41,130	46,602	51,984	57,556
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,789	13,267	19,795	26,156	32,408	38,781	45,864	51,967	57,968	64,180
	3000K Lumens	6,010	11,744	17,523	23,153	28,688	34,329	40,599	46,001	51,313	56,812
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,697	13,088	19,529	25,804	31,970	38,259	45,245	51,267	57,186	63,315
	3000K Lumens	5,928	11,585	17,287	22,842	28,300	33,867	40,051	45,382	50,621	56,046
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,837	13,361	19,936	26,342	32,639	39,057	46,189	52,336	58,380	64,636
	3000K Lumens	6,052	11,827	17,647	23,318	28,892	34,573	40,887	46,328	51,678	57,216
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,496	12,695	18,943	25,029	31,011	37,110	43,886	49,727	55,470	61,414
	3000K Lumens	5,750	11,238	16,768	22,156	27,451	32,850	38,848	44,018	49,102	54,364
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	7,052	13,781	20,564	27,171	33,664	40,285	47,641	53,981	60,215	66,669
	3000K Lumens	6,242	12,199	18,203	24,052	29,799	35,660	42,172	47,784	53,302	59,015
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	7,182	14,034	20,942	27,671	34,284	41,027	48,518	54,975	61,323	67,896
	3000K Lumens	6,358	12,423	18,538	24,494	30,348	36,317	42,948	48,664	54,283	60,102
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	7,201	14,073	20,998	27,744	34,375	41,136	48,648	55,121	61,487	68,077
	3000K Lumens	6,374	12,457	18,587	24,559	30,429	36,414	43,063	48,793	54,428	60,262
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	6,009	11,741	17,519	23,148	28,681	34,321	40,589	45,990	51,301	56,798
	3000K Lumens	5,319	10,393	15,508	20,491	25,388	30,381	35,929	40,710	45,412	50,278
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
RW	4000K/5000K Lumens	6,989	13,657	20,378	26,925	33,360	39,921	47,211	53,494	59,672	66,066
	3000K Lumens	6,187	12,089	18,039	23,834	29,530	35,338	41,791	47,353	52,822	58,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	7,014	13,706	20,452	27,023	33,481	40,066	47,383	53,688	59,888	66,306
	3000K Lumens	6,209	12,133	18,104	23,921	29,637	35,466	41,943	47,525	53,013	58,694
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics											
T2	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
	3000K Lumens	5,414	10,579	15,786	20,858	25,843	30,926	36,574	41,440	46,226	51,180
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
	3000K Lumens	5,748	11,231	16,759	22,143	27,436	32,832	38,828	43,994	49,075	54,334
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
	3000K Lumens	5,518	10,783	16,089	21,260	26,340	31,521	37,277	42,237	47,115	52,165
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
	3000K Lumens	5,640	11,023	16,447	21,732	26,926	32,221	38,106	43,177	48,163	53,324
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
	3000K Lumens	5,550	10,845	16,183	21,383	26,493	31,703	37,494	42,483	47,388	52,467
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
	3000K Lumens	5,479	10,706	15,973	21,107	26,151	31,294	37,009	41,934	46,777	51,790
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	41,369	46,145	51,091
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,233	12,180	18,174	24,013	29,753	35,604	42,106	47,708	53,218	58,921
	3000K Lumens	5,517	10,782	16,088	21,256	26,337	31,517	37,272	42,231	47,109	52,157
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
	3000K Lumens	5,242	10,244	15,286	20,197	25,024	29,945	35,413	40,126	44,761	49,557
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,429	12,563	18,746	24,768	30,688	36,723	43,429	49,208	54,891	60,775
	3000K Lumens	5,691	11,121	16,594	21,925	27,165	32,507	38,443	43,559	48,590	53,798
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
	3000K Lumens	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
	3000K Lumens	5,810	11,355	16,944	22,388	27,739	33,194	39,256	44,480	49,616	54,934
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
	3000K Lumens	4,849	9,474	14,137	18,679	23,144	27,694	32,753	37,111	41,396	45,833
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
	3000K Lumens	5,640	11,020	16,443	21,726	26,920	32,214	38,096	43,166	48,151	53,311
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
	3000K Lumens	5,660	11,060	16,504	21,806	27,017	32,331	38,235	43,323	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (800MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		44	85	124	171	210	249	295	334	374	419
Input Current @ 120V (A)		0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
Input Current @ 208V (A)		0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
Input Current @ 240V (A)		0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
Input Current @ 277V (A)		0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
Input Current @ 347V (A)		0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
Input Current @ 480V (A)		0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
Optics											
T2	4000K/5000K Lumens	4,941	9,656	14,408	19,038	23,588	28,227	33,382	37,823	42,191	46,713
	3000K Lumens	4,374	8,547	12,754	16,852	20,880	24,987	29,550	33,481	37,347	41,350
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	5,246	10,251	15,296	20,211	25,041	29,966	35,439	40,154	44,791	49,592
	3000K Lumens	4,644	9,074	13,540	17,891	22,166	26,526	31,371	35,544	39,649	43,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3	4000K/5000K Lumens	5,037	9,842	14,685	19,404	24,041	28,770	34,024	38,551	43,003	47,612
	3000K Lumens	4,459	8,712	12,999	17,176	21,281	25,467	30,118	34,125	38,066	42,146
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	5,148	10,061	15,011	19,835	24,576	29,409	34,780	39,408	43,959	48,669
	3000K Lumens	4,557	8,906	13,288	17,558	21,755	26,033	30,787	34,884	38,913	43,082
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	5,066	9,899	14,770	19,516	24,181	28,936	34,221	38,774	43,252	47,888
	3000K Lumens	4,484	8,763	13,074	17,276	21,405	25,614	30,292	34,323	38,287	42,390
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	5,000	9,771	14,579	19,264	23,869	28,562	33,779	38,274	42,694	47,269
	3000K Lumens	4,426	8,649	12,905	17,052	21,129	25,283	29,901	33,880	37,793	41,843
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	4,933	9,639	14,383	19,005	23,547	28,178	33,324	37,758	42,118	46,632
	3000K Lumens	4,367	8,532	12,732	16,823	20,844	24,943	29,498	33,423	37,283	41,279
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	5,036	9,841	14,683	19,401	24,039	28,766	34,019	38,546	42,997	47,605
	3000K Lumens	4,458	8,711	12,997	17,174	21,279	25,464	30,114	34,121	38,061	42,140
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	4,784	9,350	13,951	18,434	22,840	27,332	32,323	36,624	40,854	45,232
	3000K Lumens	4,235	8,277	12,349	16,318	20,218	24,194	28,612	32,420	36,164	40,039
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	5,194	10,150	15,145	20,011	24,794	29,670	35,088	39,757	44,349	49,102
	3000K Lumens	4,598	8,985	13,406	17,714	21,948	26,264	31,060	35,193	39,258	43,465
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	5,290	10,337	15,424	20,380	25,250	30,217	35,734	40,489	45,165	50,006
	3000K Lumens	4,683	9,150	13,653	18,040	22,351	26,748	31,632	35,841	39,980	44,265
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	5,304	10,365	15,465	20,434	25,318	30,297	35,830	40,597	45,286	50,139
	3000K Lumens	4,695	9,175	13,690	18,088	22,411	26,819	31,717	35,936	40,087	44,383
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	4,426	8,648	12,903	17,049	21,124	25,278	29,894	33,872	37,784	41,832
	3000K Lumens	3,918	7,655	11,422	15,092	18,699	22,376	26,462	29,983	33,446	37,030
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	5,147	10,058	15,009	19,830	24,570	29,402	34,771	39,399	43,949	48,658
	3000K Lumens	4,556	8,903	13,286	17,554	21,749	26,027	30,779	34,876	38,904	43,072
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
AFL	4000K/5000K Lumens	5,166	10,095	15,063	19,903	24,659	29,509	34,898	39,542	44,108	48,835
	3000K Lumens	4,573	8,936	13,334	17,618	21,828	26,121	30,892	35,003	39,044	43,229
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (600MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		34	66	96	129	162	193	226	257	290	323
Input Current @ 120V (A)		0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
Input Current @ 208V (A)		0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
Input Current @ 240V (A)		0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
Input Current @ 277V (A)		0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
Input Current @ 347V (A)		0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
Input Current @ 480V (A)		0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
Optics											
T2	4000K/5000K Lumens	4,029	7,874	11,749	15,525	19,235	23,019	27,222	30,844	34,406	38,093
	3000K Lumens	3,566	6,970	10,400	13,743	17,027	20,376	24,097	27,303	30,456	33,720
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	4000K/5000K Lumens	4,278	8,360	12,474	16,482	20,421	24,437	28,900	32,745	36,527	40,441
	3000K Lumens	3,787	7,400	11,042	14,590	18,077	21,632	25,582	28,986	32,334	35,798
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	4000K/5000K Lumens	4,107	8,026	11,976	15,824	19,605	23,461	27,746	31,438	35,068	38,827
	3000K Lumens	3,636	7,105	10,601	14,007	17,354	20,768	24,561	27,829	31,042	34,370
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T3R	4000K/5000K Lumens	4,198	8,205	12,242	16,175	20,041	23,982	28,363	32,137	35,848	39,689
	3000K Lumens	3,716	7,263	10,837	14,318	17,740	21,229	25,107	28,448	31,733	35,133
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	4,131	8,072	12,045	15,915	19,719	23,597	27,907	31,620	35,272	39,052
	3000K Lumens	3,657	7,145	10,662	14,088	17,455	20,888	24,703	27,990	31,223	34,569
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	4,077	7,968	11,889	15,710	19,465	23,292	27,546	31,212	34,816	38,547
	3000K Lumens	3,609	7,053	10,524	13,906	17,230	20,618	24,384	27,629	30,819	34,122
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL2	4000K/5000K Lumens	4,022	7,861	11,729	15,498	19,202	22,979	27,175	30,791	34,347	38,028
	3000K Lumens	3,560	6,959	10,383	13,719	16,998	20,341	24,055	27,256	30,404	33,662
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL3	4000K/5000K Lumens	4,106	8,025	11,974	15,821	19,603	23,458	27,742	31,433	35,064	38,821
	3000K Lumens	3,635	7,104	10,599	14,005	17,353	20,765	24,557	27,824	31,039	34,364
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	3,902	7,624	11,377	15,033	18,626	22,289	26,359	29,867	33,316	36,886
	3000K Lumens	3,454	6,749	10,071	13,307	16,488	19,730	23,333	26,438	29,491	32,651
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	4,236	8,277	12,351	16,319	20,219	24,196	28,614	32,422	36,166	40,042
	3000K Lumens	3,750	7,327	10,933	14,446	17,898	21,418	25,329	28,700	32,014	35,445
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	4,314	8,429	12,578	16,619	20,591	24,641	29,141	33,019	36,832	40,779
	3000K Lumens	3,819	7,461	11,134	14,711	18,227	21,812	25,796	29,228	32,604	36,098
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	4,325	8,452	12,611	16,664	20,646	24,707	29,219	33,106	36,930	40,888
	3000K Lumens	3,828	7,482	11,163	14,751	18,276	21,871	25,865	29,305	32,690	36,194
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	3,609	7,052	10,522	13,903	17,226	20,613	24,378	27,622	30,812	34,114
	3000K Lumens	3,195	6,242	9,314	12,307	15,248	18,247	21,579	24,451	27,275	30,198
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	4,197	8,202	12,239	16,171	20,036	23,977	28,356	32,129	35,839	39,680
	3000K Lumens	3,715	7,260	10,834	14,315	17,736	21,224	25,101	28,441	31,725	35,125
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	4000K/5000K Lumens	4,213	8,232	12,284	16,230	20,109	24,064	28,459	32,246	35,969	39,824
	3000K Lumens	3,729	7,287	10,874	14,367	17,800	21,301	25,192	28,544	31,840	35,252
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

CONTROL OPTIONS

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

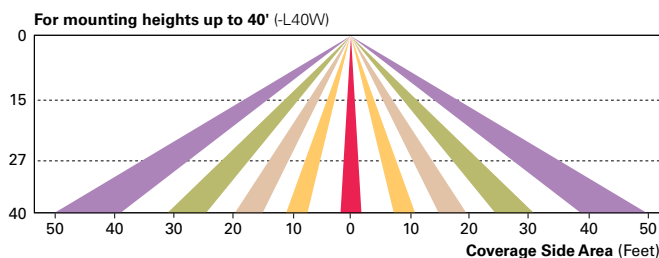
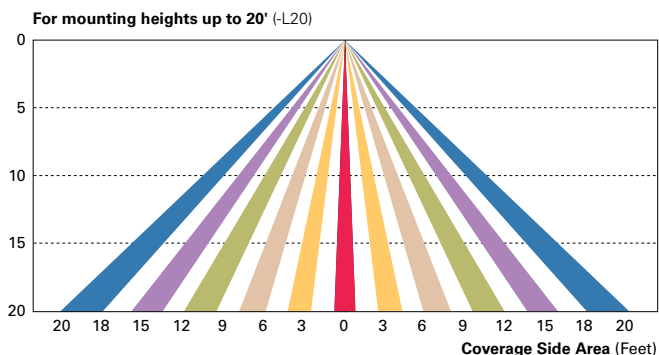
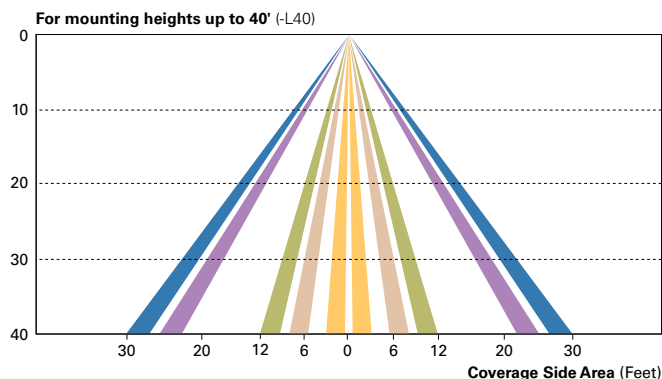
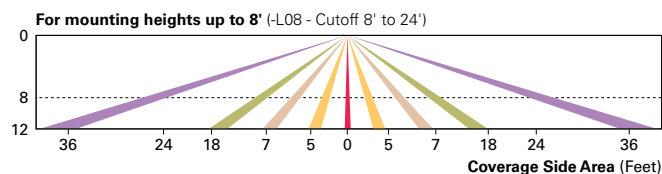
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

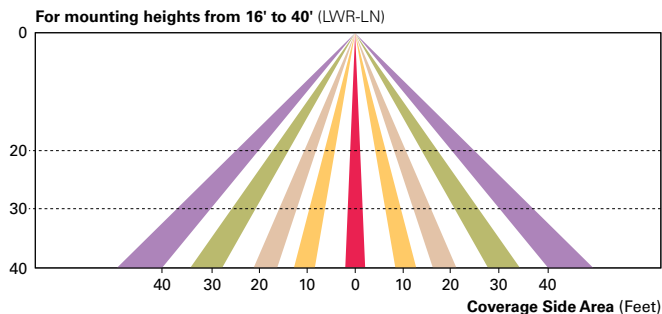
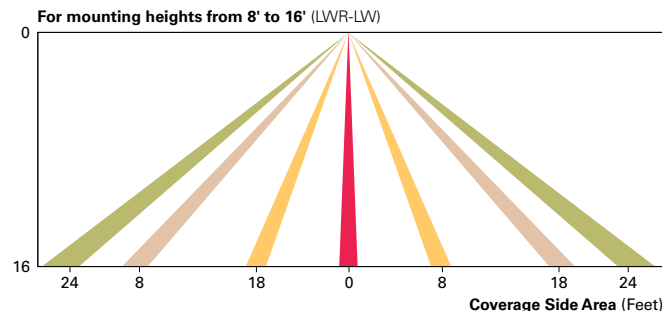
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.



LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)

Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family ^{1,2}	Light Engine	Number of Light Squares ³	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AF=1A Drive Current	01=1 02=2 03=3 04=4 05=5 ⁴ 06=6 07=7 ⁵ 08=8 ⁵ 09=9 ⁶ 10=10 ⁶	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁷ 480=480V ^{7,8}	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm ⁹ MA=Mast Arm Adapter ¹⁰ WM=Wall Mount QM=Quick Mount Arm (Standard Length) ¹¹ QMEA=Quick Mount Arm (Extended Length) ¹²
Options (Add as Suffix)					Accessories (Order Separately)		
7030 =70 CRI 3000K ¹³ 8030 =80 CRI 3000K ¹⁴ 7050 =70 CRI 5000K ¹³ 7060 =70 CRI 6000K ¹³ 600 =Drive Current Factory Set to Nominal 600mA ¹⁵ 800 =Drive Current Factory Set to Nominal 800mA ¹⁵ 1200 =Drive Current Factory Set to Nominal 1200mA ^{15,16} F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) 2L=Two Circuits ^{17,18} DIM=External 0-10V Dimming Leads ^{19,20} P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Volatage) ²¹ PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ²¹ R=NEMA Twistlock Photocontrol Receptacle ²¹ AHD145=After Hours Dim, 5 Hours ²² AHD245=After Hours Dim, 6 Hours ²² AHD255=After Hours Dim, 7 Hours ²² AHD355=After Hours Dim, 8 Hours ²² HA=50°C High Ambient ²³ MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height ^{24,25} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{24,26} MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{24,27} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) ^{24,28} MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height ^{24,25,29} MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height ^{24,26,29} MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height ^{22,27,29} MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) ^{24,28,29} MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height ^{24,25} MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{24,26} MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ^{24,27} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) ^{24,28} LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{30,(A)} LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{30,(A)} WOLC-7P-10A=WaveLinx Wireless Outdoor Lighting Control Module ^(B) L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing ³¹ HSS=Factory Installed House Side Shield ³² CE=CE Marking ³³					OA/RA1016 =NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027 =NEMA Photocontrol - 480V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =120V Photocontrol MA1252 =10kV Surge Module Replacement MA1036-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX =2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX =3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX =4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX =2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX =3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX =2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX =2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX =3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX =4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX =2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX =3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100 =Wireless Configuration Tool for Occupancy Sensor ³⁴ GLEON-MT1 =Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2 =Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3 =Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4 =Field Installed Mesh Top for 9-10 Light Squares GLEON-QM =Quick Mount Arm Kit ¹⁰ GLEON-QMEA =Quick Mount Extended Arm Kit ¹¹ LS/HSS =Field Installed House Side Shield ^{32,33} WOLC-7P-10A =WaveLinx Outdoor Control Module (7-pin) ^{35,(B)}		

NOTES:
1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 14 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. 25 Approximately 22' detection diameter at 8' mounting height. 26 Approximately 40' detection diameter at 20' mounting height. 27 Approximately 60' detection diameter at 40' mounting height. 28 Approximately 100' detection diameter at 40' mounting height. 29 Replace X with number of Light Squares operating in low output mode. 30 LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. 31 Not available with house side shield (HSS). 32 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 33 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 34 One required for each Light Square. 35 Requires 7-pin NEMA twistlock photocontrol receptacle.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology* 	D=Dome Camera	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.

DESCRIPTION

The Galleon™ Wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

SPECIFICATION FEATURES

Construction

Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount upright housing with additional protections to maintain IP rating.

Optics

Choice of thirteen patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90%

lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

Electrical

LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting

Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty

Five-year warranty.

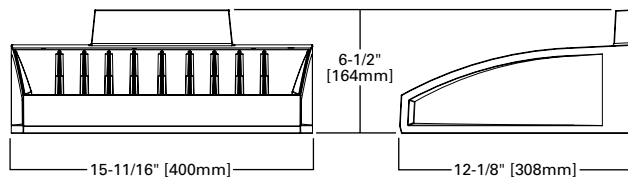


GWC GALLEON WALL

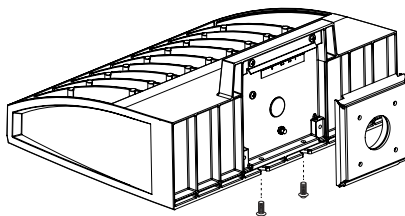
1-2 Light Squares
Solid State LED

WALL MOUNT LUMINAIRE

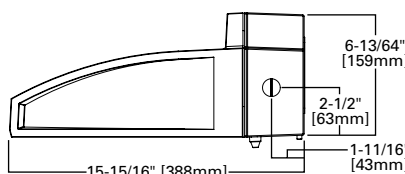
DIMENSIONS



HOOK-N-LOCK MOUNTING



BATTERY BACKUP AND THRU-BRANCH BACK BOX



CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 Housing
ISO 9001
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

SHIPPING DATA

Approximate Net Weight:
27 lbs. (12.2 kgs.)

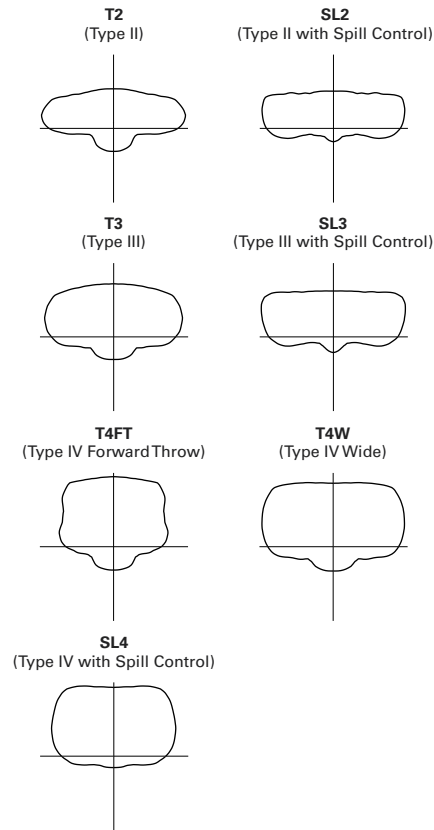
POWER AND LUMENS

Number of Light Squares		1				2			
Drive Current		600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A
Nominal Power (Watts)		34	44	59	67	66	85	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (mA)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (mA)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	4000K/5000K Lumens	4,110	5,040	6,238	6,843	8,031	9,849	12,190	13,373
	3000K Lumens	3,638	4,461	5,522	6,057	7,109	8,718	10,791	11,838
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T3	4000K/5000K Lumens	4,189	5,138	6,359	6,975	8,187	10,039	12,425	13,630
	3000K Lumens	3,708	4,548	5,629	6,174	7,247	8,887	10,999	12,065
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T4FT	4000K/5000K Lumens	4,214	5,167	6,395	7,016	8,233	10,097	12,497	13,709
	3000K Lumens	3,730	4,574	5,661	6,211	7,288	8,938	11,062	12,135
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3
T4W	4000K/5000K Lumens	4,159	5,100	6,313	6,925	8,127	9,966	12,336	13,532
	3000K Lumens	3,682	4,515	5,588	6,130	7,194	8,822	10,920	11,979
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SL2	4000K/5000K Lumens	4,102	5,032	6,227	6,831	8,018	9,832	12,170	13,350
	3000K Lumens	3,631	4,454	5,512	6,047	7,098	8,703	10,773	11,817
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SL3	4000K/5000K Lumens	4,188	5,137	6,358	6,974	8,186	10,038	12,424	13,628
	3000K Lumens	3,707	4,547	5,628	6,173	7,246	8,886	10,998	12,064
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
SL4	4000K/5000K Lumens	3,980	4,880	6,040	6,626	7,776	9,537	11,803	12,949
	3000K Lumens	3,523	4,320	5,347	5,865	6,883	8,442	10,448	11,462
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3
5NQ	4000K/5000K Lumens	4,321	5,298	6,558	7,193	8,443	10,353	12,814	14,057
	3000K Lumens	3,825	4,690	5,805	6,367	7,474	9,164	11,343	12,443
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
5MQ	4000K/5000K Lumens	4,400	5,396	6,678	7,326	8,598	10,544	13,050	14,315
	3000K Lumens	3,895	4,777	5,911	6,485	7,611	9,334	11,552	12,672
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
5WQ	4000K/5000K Lumens	4,412	5,410	6,695	7,345	8,621	10,572	13,085	14,354
	3000K Lumens	3,906	4,789	5,926	6,502	7,631	9,358	11,583	12,706
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
SLL/SLR	4000K/5000K Lumens	3,681	4,515	5,588	6,129	7,193	8,821	10,917	11,976
	3000K Lumens	3,258	3,997	4,946	5,425	6,367	7,808	9,664	10,601
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3
RW	4000K/5000K Lumens	4,281	5,250	6,498	7,129	8,366	10,259	12,698	13,930
	3000K Lumens	3,790	4,647	5,752	6,311	7,406	9,081	11,240	12,331
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2

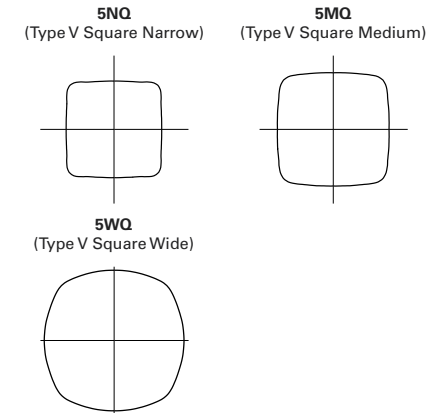
* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

OPTICAL DISTRIBUTIONS

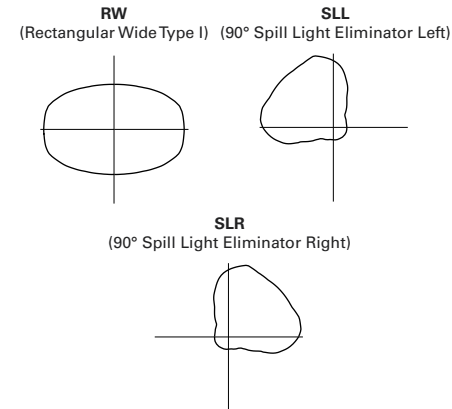
Asymmetric Area Distributions



Symmertric Distributions

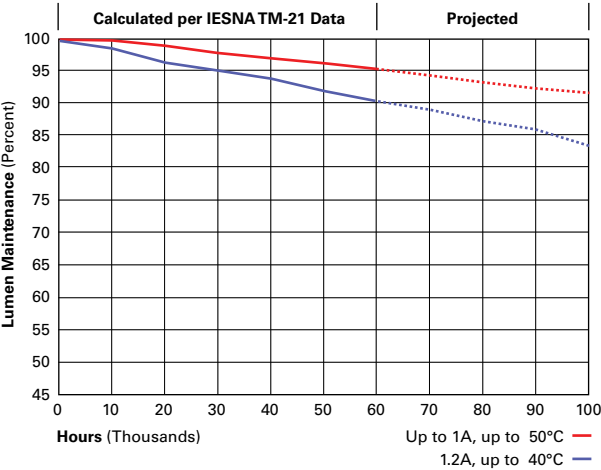


Specialized Distributions



LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	> 416,000
1.2A	Up to 40°C	> 90%	> 205,000



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

CONTROL OPTIONS

0-10V

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

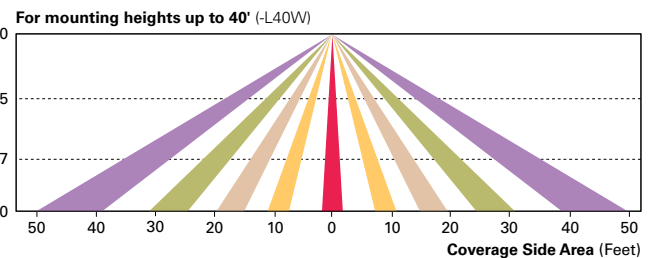
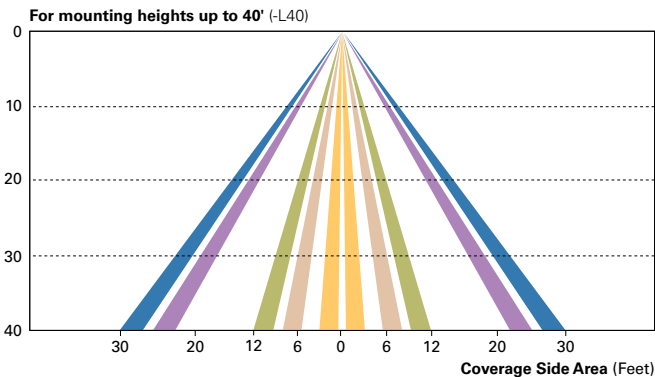
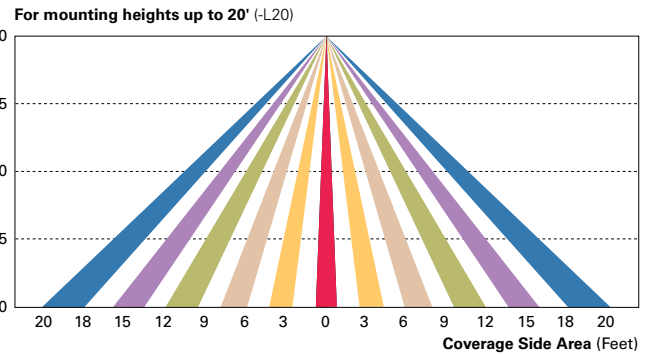
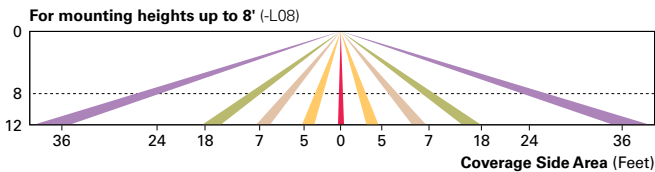
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX)

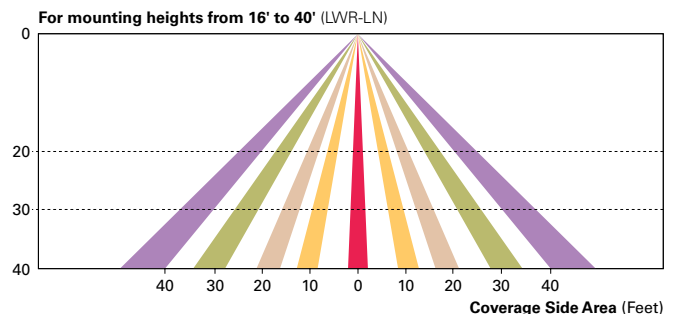
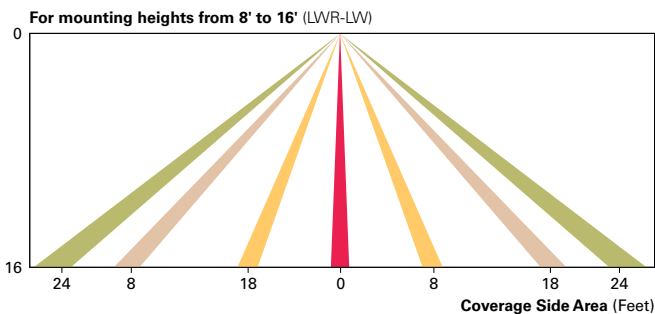
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinX Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinX to control outdoor area, site and flood lighting. WaveLinX controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

ORDERING INFORMATION

Sample Number: GWC-AF-02-LED-E1-T3-GM

Product Family ¹	Light Engine	Number of Light Squares ²	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	AF=1A Drive Current	01=1 02=2 ³	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁴ 480=480V ^{4,5}	T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I 5NQ=Type V Square Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White CC=Custom Color ⁶	[BLANK]=Surface Mount
Options (Add as Suffix)					Accessories (Order Separately)		
7030=70 CRI / 3000K ⁷ 8030=80 CRI / 3000K ⁷ 7050=70 CRI / 5000K ⁷ 7060=70 CRI / 6000K ⁷ 600=Drive Current Factory Set to 600mA 800=Drive Current Factory Set to 800mA 1200=Drive Current Factory Set to 1200mA ⁸ F=Single Fused (120, 277 or 347V. Must Specify Voltage) FF=Double Fused (208, 240 or 480V. Must Specify Voltage) 10K=10kV Surge Module DIM=0-10V Dimming Leads ^{9,10} DALI=DALI Driver ¹¹ HA=50°C High Ambient ¹² UPL=Uplight Housing ¹³ BBB=Battery Pack with Back Box ^{3,8,9,14} CWB=Cold Weather Battery Pack with Back Box ^{3,8,9,14} P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) R=NEMA Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁵ AHD145=After Hours Dim, 5 Hours ¹⁶ AHD245=After Hours Dim, 6 Hours ¹⁶ AHD255=After Hours Dim, 7 Hours ¹⁶ AHD355=After Hours Dim, 8 Hours ¹⁶ MS-LXX=Motion Sensor for On/Off Operation ^{17,18,19} MS/DIM-LXX=Motion Sensor for Dimming Operation ^{17,18,19} LWR-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{19,20,21} LWR-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{19,20,21} L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top LCF=Light Square Trim Plate Painted to Match Housing ²² HSS=Factory Installed House Side Shield ²³ CE=CE Marking and Small Terminal Block ²⁴					OA/RA1013=Photocontrol Shorting Cap OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201=NEMA Photocontrol - 347V OA/RA1027=NEMA Photocontrol - 480V MA1252=10kV Circuit Module Replacement MA1059XX=Thru-branch Back Box (Must Specify Color) FSIR-100=Wireless Configuration Tool for Occupancy Sensor ¹⁷ LS/HSS=Field Installed House Side Shield ^{23,25} WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin) ²⁶		

NOTES:

- DesignLight Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
- Standard 4000K CCT and minimum 70 CRI.
- Two light squares with BBB or CWB options limited to 25°C, 120-277V only.
- Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- Custom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
- Extended lead times apply. Use dedicated IES files when performing layouts.
- Not available with HA option.
- Cannot be used with other control options.
- Low voltage control lead brought out 18" outside fixture.
- Only available with BBB or CWB in single light square. HA option available for single light square only. Limited to 1A and below.
- Not available with 1200, UPL, BBB and CWB options. Available for single light square only.
- Not available with SL2, SL3, SL4, HA, BBB, CWB, R, or PER7 options.
- Operates a single light square only. Cold weather option operates -20°C to +40°C, standard 0°C to +40°C. Backbox is non-IP rated.
- Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
- Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
- The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
- Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices.
- Includes integral photosensor.
- LumaWatt wireless sensors are factory installed requiring network components in appropriate quantities. See www.eaton.com/lighting for LumaWatt application information.
- Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
- Not available with HSS option.
- Only for use with SL2, SL3 and SL4 distributions. The light square trim plate is painted black when the HSS option is selected.
- CE is not available with the 1200, DALI, LWR, MS, MS/DIM, P, R or PER7 options. Available in 120-277V only.
- One required for each light square.
- Requires 7-pin NEMA twistlock photocontrol receptacle.

FINANCE AND ADMINISTRATION COMMITTEE

Chair: Councilmember McGuinness

Vice-Chair: Councilmember Moore

NEXT MEETING

There are no action items forwarded from the Finance and Administration Committee for this meeting.

The next meeting of the Finance & Administration Committee is scheduled for Monday, February 25, 2019 at 5:30 pm.

If you have any questions or require additional information please contact Finance Director Chris DesPlanques or me prior to Wednesday's meeting.



Finance and Administration Committee Record of Proceeding January 28, 2019

The Finance and Administration Committee met on Monday, January 28, 2019. Those in attendance included: Chairperson Barbara McGuinness, Ward I; Council Committee Member Ben Keathley, Ward II; Council Committee Member Michael Moore, Ward III; Finance Director Chris DesPlanques and City Administrator Mike Geisel. Those also in attendance included: Councilmember Michelle Ohley, and Administrative Assistant to the City Administrator/Deputy City Clerk Amanda Miller.

Chairperson Barbara McGuinness called the meeting to order at 5:30 p.m.

Approval of Minutes

The minutes of the December 10, 2018 Finance and Administration Meeting were submitted for approval. Councilmember Moore made a motion, seconded by Councilmember Keathley to approve the December 10, 2018 Finance and Administration Meeting minutes. A vote was taken with an affirmative result (3, 0) and the motion was declared passed.

Audit Service Renewal

Finance Director Chris DesPlanques presented the Finance & Administration Committee with a new three-year extension of the current professional services contract with Daniel Jones Associates; it would have no increase in cost as compared to the current contract rate with no increasing fees. The current amount is \$21,580 (\$19,500 for the city audit and \$2,080 for the federal grant compliance).

Councilmember Moore made a motion, seconded by Councilmember Keathley to forward the three-year contract with Daniel Jones & Associates to City Council. A vote was taken with an affirmative result (3, 0) and the motion was declared passed.

[Councilmember Tom DeCampi joined the meeting at 5:34pm.]

CGI Community Showcase Video Program

City Administrator Mike Geisel informed the committee that the 'Welcome to the City' video on the public website is extremely out of date. Having such outdated and inaccurate information attached to the City website reflects poorly on the City and provides inaccurate information to prospective residents or businesses. Mr. Geisel described a program endorsed by the National League of Cities, where CGI Communications would create short informational/promotional videos at no cost to the City. CGI would be responsible for all production and content creation. A "Sponsor" video would also be created and marketed to local businesses, who would pay a sponsorship fee.

Councilmember Moore made a motion, seconded by Councilmember McGuinness to approve Mr. Geisel's request for the CGI Community Showcase Video Program and forward to Council. A voice vote was taken with a unanimous affirmative result (4-0) and the motion was declared passed.

Citizen of the Year Process - Clarification

City Administrator Mike Geisel provided the committee with the procedure of the Citizen of the Year process. While City Staff coordinates and facilitates the process, the review and selection recommendations are wholly completed by a designated citizen selection committee. In order to avoid confusion and to ensure that Council's directives are met, Mr. Geisel requested affirmation or alternative clarification regarding the approval process, specifically as it relates to the involvement of City Council in the approval of the recipient. It was made clear that the selection committee recommendation was to be forwarded to the Mayor and Council, who by receipt of the e-mail has the ability to object if desired. But no actual vote of council would occur and the selection committee's recommendation would be considered approved unless specifically objected to by the Mayor or City Council.

Councilmember McGuinness made a motion, seconded by Councilmember Keathley to affirm the current practice as described. A voice vote was taken with a unanimous affirmative result (4-0) and the motion was declared passed.

Financial Reports

Finance Director Chris DesPlanques presented a current financial update.

Merger/Consolidation/Better Together

After much discussion about the City's Merger/Consolidation/Better Together, Councilmember Keathley made a motion, seconded by Councilmember DeCampi to direct staff to review options to oppose the proposed Better Together Merger/Consolidation prior to the next Finance and Administration Committee Meeting.

Court Reform

The Committee discussed options related to court reform. After a lengthy discussion Councilmember McGuinness requested that staff provide a

summarized bullet point list of the concept or ideas discussed for the next F&A meeting.

Appointments to Standing Council Committees-1:22:45

As a result of two ordinance changes in 2016, President Pro-Tem is responsible for making appointments to the standing committees of Council. This was previously the role of the Mayor; Mayor Nation has requested a change of ordinance to give the responsibility back to the Mayor to enable appointments to be made the first week in April instead of waiting until the third week, when President Pro-Tem is selected. The F&A Committee decided not to take any action at this time.

Minutes and Attendance in Agenda Review Meeting 1:34:32

Councilmember McGuinness asked why minutes/attendance are not taken in Agenda Review Meetings. Mr. Geisel clarified Agenda Review Meetings are not official meetings and since no votes are taken it is unnecessary to create another set of minutes.

The next Finance & Administration Committee Meeting is scheduled for Monday, February 25, 2019 at 5:30pm.

Adjournment

The meeting was adjourned at 7:21p.m.

Respectfully submitted:

Chris DesPlanques
Finance Director

Amanda Miller
Deputy City Clerk

Approved: _____

PARKS, RECREATION AND ARTS COMMITTEE

Chair: Councilmember Hurt

Vice Chair: Councilmember Mastorakos

Creative Arts Alliance Art Sculpture

The Parks, Recreation & Arts Committee of Council recommends that the full Council approve the lease of the sculpture “Dashes” from Jessie Cargas, and to request that the artist provide same in a larger twelve-foot version. The Committee of Council reviewed and approved Artwork at their February 11 meeting with a unanimous vote in favor of leasing the piece through the creative art alliance as previously recommended by the Parks, Recreation and Arts Advisory Committee on February 9. A roll call vote is required.

The next of the Parks, Recreation and Arts Committee has not yet been scheduled.

If you have any questions or require additional information, please contact Director of Parks, Recreation and Arts, Tom McCarthy or me prior to Wednesday’s meeting.



PARKS, RECREATION & ARTS COMMITTEE OF COUNCIL MEETING RESULTS

February 11, 2019

Vice Chairperson Mastorakos called the meeting to order at 5:34 p.m.

Those in attendance included:

Councilmember Barbara McGuinness, Ward 1;

Councilmember Mary Ann Mastorakos, Ward 2;

Council Member Chairperson Dan Hurt, Ward 3 (participated via phone until New Business);

Councilmember Michelle Ohley, Ward 4

Also in attendance were:

Director of Parks, Recreation & Arts, Tom McCarthy;

Executive Assistant, Parks, Recreation & Arts, Ann-Marie Stagoski.

Agenda Item #1: Approval of Minutes

The meeting results of the January 23, 2019 Parks, Recreation & Arts Committee of Council Meeting were submitted for approval. Councilmember Ohley made a motion, seconded by Councilmember McGuinness, to approve the January 23, 2019 meeting results. A voice vote was taken to approve the meeting results with a 3-0 unanimous affirmative result (Ohley, Mastorakos and McGuinness) and the motion was declared passed.

Agenda Item #2: Creative Arts Alliance Art Sculpture Recommendation

Director McCarthy explained that the Chesterfield Parks Advisory Committee voted at their February 9th meeting for their top 15 choices of artwork submitted from the Creative Arts Alliance Public Sculpture Program. There was a draft held on February 11th. The piece "Dashes" by Jessie Cargas was secured. Chesterfield will pay \$500/year for two years for the rights to display this sculpture. We are able to have the artist paint it the same color as the piece, "Arches". Because we didn't know which piece we would get from the draft, a discussion of location has not been brought up.

Councilmember Ohley asked about the status of the new pavilion. Director McCarthy stated that Steve Jarvis is working on the pavilion project currently and he will keep the committee updated on its progress. Director McCarthy pointed out that most of our artwork is in Central Park. Councilmember Ohley commented that Central Park is most trafficked. Councilmember McGuinness brought up a concern on the "spikiness" of the sculpture and its proximity to children.

Other points of discussion:

We are able to acquire another piece if funding is available.

Director McCarthy will approach the artist about creating "Dashes" in a 12 foot version.

Using Park Circle Drive as a place to display the art was discussed.

Director McCarthy felt that Sachs would potentially be open to that location.

Councilmember Ohley moved to make a request to the artist for a 12 foot version of “Dashes” that is in a similar blue color and texture of “Arches” and recommend Park Circle Drive roundabout to the Citizens Advisory Committee with Director McCarthy approaching Sachs about their approval. The motion was seconded by Councilmember McGuinness. A voice vote was taken and a 3-0 unanimous affirmative result (Ohley, Mastorakos and McGuinness) to approve the motion and move the selection of Dashes to City Council was declared passed.

There was a discussion of the possibility of acquiring the “Granny’s Garden” statue.

- The Parkway Community Garden property is under contract.
- There is more activity at Eberwein.
- Currently “Coyote” is at Eberwein through Art on Loan.
- The cost to lease “Granny’s Garden” is \$500/year for two years, plus installation and insurance.

Councilmember McGuinness moved to direct Director McCarthy to talk to the artist of “Granny’s Garden” statue and if acquired, place it near Eberwein Community Garden. The motion was seconded by Councilmember Ohley. A voice vote was taken and a 3-0 unanimous affirmative result (Ohley, Mastorakos and McGuinness) to approve the motion and move it to City Council was declared passed.

Agenda Item #3: Discussion on Permanent Cricket Pitch

Director McCarthy shared information regarding the discussions with the American Cricket Academy and Club on their proposal to build a permanent cricket pitch and rent field space at Chesterfield Valley Athletic Complex. Issues regarding the proposal include:

- Parks has worked on and off with this group for 3+ years.
- Initially wanted the cricket pitch on A3 and A4 with the pitch between the two fields.
- A permanent pitch is 125 feet long x 12 feet wide.
- Placing it in the group’s desired location (P fields) would preclude CVAC from having Ultimate Frisbee or small sided soccer tournaments and other events there.
- The group’s proposed rental rate of \$30 - \$34 per hour is not close to the current rate of \$60 per hour. With this reduced rate for the cricket club we would be required by contract to lower the rate charged to CBSA thus decreasing Parks revenue in the neighborhood of \$100,000 annually versus the approximately \$8,500 in revenue generated by cricket.
- There is no record to base the estimates of actual rental time on, actual users or resident %.
- Creating a permanent pitch diminishes the flexibility of the complex and decreases its ability to attract large tournaments.

Suggestions included:

- Purchasing a temporary pitch at the approximate cost of \$1,000 and utilizing that on the practice fields behind the levee at \$60/hr. (The temporary pitch is similar to a heavy duty carpet with a canvas back rolled up and taken down.) \$60 rate is based on the four practice field space that will be used for the cricket field.
- Councilmember Hurt suggested allowing the Cricket Club to pay for installation of the pitch outside the protected levee area and discounting his rental fees for x number of years in return. Director McCarthy pointed out that lowering this group’s rental fees would cost the Parks’ program large sums because Parks would then be required by contract to lower the fees of CBSA to match, thus costing around \$100,000 so they would need to pay the going rate on whatever they rent.
- Councilmember Ohley suggested with the organization having no track record with us that we table the discussion until they produce a business plan.

- Councilmember Hurt discussed using the eastern end of our property as an option. Director McCarthy noted that that area is rough, not level and has no irrigation. The land also has plans as future event space because we are running out of space at Central Park.
- This property east of the CVAC is not playable in its current condition.
- Director McCarthy recommended working with the organization for practice fields at available times and (with a temporary pitch) at the regular rental rates until they prove their history of need. We would also need the roster to verify resident percentage requirements for fees.

Councilmember McGuinness moved to direct Director McCarthy to continue discussions and negotiations with American Cricket Academy and Club and bring the information back to the committee. The motion was seconded by Councilmember Ohley. A voice vote was taken and a 3-0 unanimous affirmative result (Ohley, Mastorakos and McGuinness) to approve the motion and move it to City Council was declared passed.

Agenda Item #4: Gazebo Information

Director McCarthy presented a photo of a gazebo that would cost approximately \$30,000 to \$35,000 to build. Councilmember McGuinness expressed interest in a different design. Director McCarthy discussed a design competition for the gazebo. Director McCarthy will work with staff to put a proposal together and bring it back to the committee for review.

Agenda Item #5: Lighting Information on Central Park

Director McCarthy discussed lighting information around Central Park

- For approximately \$14,000 the path to the pool and amphitheater as well as Veterans Honor Park and lights near the Awakening area could be retrofitted.
- We would apply for a grant from Ameren (close to \$3,000).
- This would make the lights LED which would be more efficient and brighter.
- Paths in the middle of the park in the woods would not be lit.
- Lights would remain dusk to dawn.

Councilmember McGuinness moved to send to full council a recommendation to allow parks to spend not more than \$14,000 from the Parks Reserve Fund to retrofit the lighting. The motion was seconded by Councilmember Ohley. A voice vote was taken and a 3-0 unanimous affirmative result (Ohley, Mastorakos and McGuinness) to approve the motion and move it to City Council was declared passed.

Agenda Item #6: Old Business

No old business.

Agenda Item #7: New Business

Councilmember Hurt discussed that the YMCA agreed to partner with Chesterfield by donating the land to build a structure for parking. They envision a 3 level structure with the 1st level being reserved for YMCA members and the 2nd and 3rd levels for city events. The 2nd level would open to Veterans Memorial Parkway. Director McCarthy proposed there could be a park on the roof of the garage. Councilmember Ohley asked if we could get a grant for green space on the top of the garage. Director McCarthy stated that there was a possibility for a \$500,000 grant in the future from the Municipal Parks Grant program. Further discussion on parking for Central Park will be addressed in the Parks Master Plan. There also needs to be a funding mechanism for this

parking garage. The committee needs to take no further action on this. Councilmember Hurt just wanted to inform the committee on his discussion with the YMCA.

Councilmember McGuinness asked if Taste of St. Louis was returning to Chesterfield. Director McCarthy stated that it was not likely, but that we were working with them on other opportunities like “Taste of West County”.

Councilmember McGuinness discussed the Better Together proposal and its negative implications on the City of Chesterfield.

Director McCarthy stated that there were openings on two committees:

- CCE – 2 openings in Ward I
- 2 openings in Ward II
- PRCAC – 3 openings in Ward II
- 1 opening in Ward III

Agenda Item #8: Adjournment

There being no further business to discuss, Vice Chairperson Mastorakos adjourned the meeting at 6:31 p.m.

Memorandum



To: Mike Geisel, City Administrator
From: Tom McCarthy
Director of Parks, Recreation and Arts
Date: 2/13/19
Re: Creative Arts Alliance Art Sculpture
Recommendation

I would like to move the recommendation forward from the Parks Recreation & Arts Committee of Council to the full Council for further review and approval to lease the sculpture Dashes from Jessie Cargas in a twelve foot version. The Committee of Council reviewed and voted on the Art sculpture Dashes at our February 11 meeting with a unanimous vote in favor of leasing the piece as recommended by the Parks, Recreation and Arts Advisory Committee on February 9th, 2019. A picture of the sculpture Dashes is attached. I have also attached a picture of the sculpture Arches, which shows the color we would like Dashes painted.

The Committee also would like to lease the Bronze painted piece Granny's Garden and have it placed over at the Eberwein Community Garden if it is still available through our Creative Arts Public Sculpture program. A picture of the Granny's Garden sculpture is attached for Council's review.

I would like to request that this information be added to the Council agenda for the meeting on February 20, 2019.

We will come back with an installation location recommendation for the Dashes sculpture in the next few months for Council's review and approval. We will look at an installation date sometime in May. We have the funds in our 119-085 Arts and Entertainment budget to lease and install these two pieces.

Memorandum

#2

To: Mike Geisel, City Administrator
From: Tom McCarthy
Director of Parks, Recreation and Arts
Date: 2/7/19
Re: Creative Arts Alliance Art Sculpture
Recommendation



This coming Saturday at our Parks, Recreation and Arts Citizens Advisory Committee meeting, we will review and select our top 16 pieces of art from the Creative Arts Alliance Public Sculpture program. The committee would like to recommend the sculpture we will be drafting from the Creative Arts Alliance draft, which will be held on February 11 at the Chesterfield City Hall. With this process in the past, we typically select the sight and make that recommendation concurrently. With the short notice of the draft date, I would like to propose that we draft the piece of art work first, and bring it through the approval process. Then with the selected sculpture piece in mind, we would come back through to the Parks Committee of Council and full Council to have the location reviewed and approved. Selecting the location for the sculpture would be more advantageous after we figure out which piece we are going to acquire for the two-year program. The actual location can be very dependent on the actual piece of artwork we end up with.

I would like to request that this information get forwarded to the Parks, Recreation and Arts Committee of Council for their review and direction at the meeting on February 11, 2019 and then with the Committee's recommendation move it to the full Council for approval at the meeting on February 20, 2019.

We would look at an installation date sometime in May if we get the approvals from the Committee and Council. I have attached the document covering the potential sculpture pieces we will be reviewing and considering for our draft pick. Just to be clear Council will have the final review and approval option prior to signing the contract.

*Forward to
PR & A
moe
2/7/2019*

2019 Sculpture on the Move Submissions



Creative
Communities
Alliance

#2



Artist: Jessie Cargas

Title of Work: Dashes

Dimensions: Please read below

Material: Steel with a Polyurethane color coat

Description: Existing small sculpture that will be scaled. Once a design has been chosen, Jesse will build a new piece up to 8' tall.

Maintenance: Wipe it down every now and then with water and cloth.

Price/Insurance Value: Depends on the final size

#1



Artist: Jessie Cargas

Title of Work: Arches

Dimensions: Please read below

Material: Steel with a Polyurethane color coat

Description: Existing small sculpture that will be scaled. Once a design has been chosen, Jesse will build a new piece up to 8' tall.

Maintenance: Wipe it down every now and then with water and cloth.

Price/Insurance Value: Depends on the final size



Artist: Lee Leuning & Sherri Treeby

Title of Work: Granny's Garden

Dimensions: 38" x 38" x 50"

Material: Bronze

Description: You cannot leave Sunday dinner on the farm without granny filling up the back seat with the marvelous bounty straight from her grand garden. A typical farm women, , stout, rolled down nylons, sturdy, shoes, Sunday apron, and her egg money chicken

Maintenance: Soft scrub brush soap and water

Price/Insurance Value: \$40,000

PUBLIC HEALTH AND SAFETY COMMITTEE

Chair: Councilmember Flachsbart

Vice Chair: Councilmember DeCampi

There are no action items being forwarded from the Public Health & Safety Committee for this meeting.

The next of the Public Health and Safety Committee has not yet been scheduled.

If you have any questions or require additional information, please contact Chief Ray Johnson or me prior Wednesday's meeting.

REPORT FROM THE CITY ADMINISTRATOR & OTHER ITEMS REQUIRING ACTION BY CITY COUNCIL

Bid Recommendation - 2019 Construction and Inspection Services

As we do each year, the Department of Public Works solicited proposals and fee schedules for construction testing and inspection services for the 2019 capital improvement projects. This includes, but is not limited to, the concrete slab replacement projects, the sidewalk replacement project, and the ADA compliant curb ramp project. Firms were asked to provide company qualifications and resumes of certified and experienced individuals who would provide professional testing and inspection services for these projects. The successful firm will provide the specific individuals, along with soils and material testing equipment, in order to serve as the City's on-site representative during the construction of our capital projects. I join with City Engineer\Director of Public Works – Jim Eckrich in recommending that the City Council authorize me to enter into a contract with SCI Engineering Incorporated in the budgeted amount of \$100,000. The actual cost of the services provided will vary based upon the amount of testing required as part of the City's 2019 capital improvement projects, but will not exceed \$100,000. This effort is fully funded by the proceeds of the ½ cent sales tax for capital improvements. A roll call vote is required.

If you have any questions or require additional information, please contact Jim Eckrich or me prior to Wednesday's meeting.

Memorandum

Department of Public Works



TO: Michael O. Geisel, P.E.
City Administrator

FROM: James A. Eckrich, P.E. *JA*
Public Works Dir. / City Engineer

DATE: February 12, 2019

RE: 2019 Construction and Inspection Testing Services

The Department of Public Works has solicited proposals and fee schedules for construction testing and inspection services required as part of the 2019 capital improvement projects. This includes, but is not limited to, the concrete slab replacement projects, the sidewalk replacement project, and the ADA compliant curb ramp project. Firms were asked to provide company qualifications and resumes of certified and experienced individuals who would provide professional testing and inspection services for these projects. The firm chosen will provide selected individuals, along with soils and material testing equipment, in order to serve as the City's on-site representative during the construction of our capital projects.

Five companies responded to the City's solicitation, from which SCI Engineering Incorporated was chosen as the firm most qualified to perform the testing and inspection services. Accordingly, I recommend that the City of Chesterfield enter into a contract with SCI Engineering Incorporated in the budgeted amount of \$100,000. The actual cost of the services provided will vary based upon the amount of testing required as part of the City's 2019 capital improvement projects, but will not exceed \$100,000.

Concurrence:

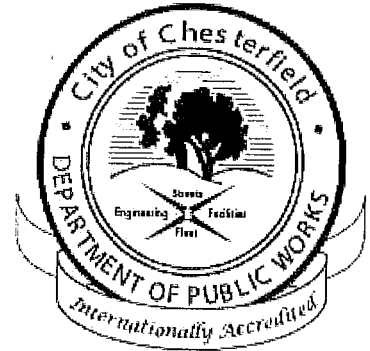
CLDR
Chris DesPlanques, Finance Director

Action Recommended

This matter should be forwarded to the City Council for consideration. Should Council concur with Staff's recommendation, it should authorize the City Administrator to execute an Agreement with SCI Engineering Incorporated for construction testing and inspection services in an amount not to exceed \$100,000.

Memorandum

Department of Public Works



TO: Jim Eckrich, Public Works Director

FROM: Mark Wilson, Project Manager

DATE: February 12, 2019

RE: 2019-PW-12, Capital Improvement Inspection Services

We have solicited proposals, including resumes and fees for material testing and professional inspection services for the 2019 capital improvement projects. From those proposals we have interviewed candidates from several companies.

I recommend various staff inspectors from SCI Engineering, Inc. Their hourly rates are listed below:

<u>Inspector</u>	<u>Straight Time Rate</u>	<u>Overtime Rate</u>
Ryan Heckman	\$50.00	\$75.00
Kyle Giles	\$50.00	\$75.00

After numerous interviews, we have found the personnel from SCI to have the most experience with municipal pavement inspection. **I recommend SCI Engineering, Inc. for the 2019 Capital Improvement Inspection Services. We request authorization up to \$100,000 to cover these professional services. Funds for this work are budgeted in account 120-079-5261.**

Should you require additional information please advise.

Attachments



SCI ENGINEERING, INC.

EARTH • SCIENCE • SOLUTIONS

GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

January 18, 2019

Mr. Mark Wilson
Project Manager
City of Chesterfield
690 Chesterfield Parkway West
Chesterfield, Missouri 63017-0760

RE: Request for Proposal
Chesterfield Capital Improvement Projects-Testing and Inspection Services
Chesterfield, Missouri
SCI No. 2019-0058.00

Dear Mr. Wilson:

SCI Engineering, Inc. is pleased to present this proposal to provide construction testing/observation services in accordance with your Request for Proposal dated December 11, 2018. We understand that projects planned for 2019 will primarily feature street replacement and/or reconstruction. In addition, we understand that you anticipate two inspectors to be needed on a full-time basis and additional inspectors may be needed on a part-time basis, and that the work will likely be performed between April and October 2019.

We propose to provide Mr. Ryan Heckman and/or Mr. Kyle Giles as the full-time inspectors. We chose these individuals based on their experience, technical capabilities, and their strong public relations skills. Their resumes are enclosed.

We propose to provide the full-time inspectors at weekday rate of \$50.00/hour for on-site time. Time in excess of 40 hours/week on site would be charged at \$75.00/hour. The hourly rate for weekends or holidays will be \$75.00/hour. The fee for pick-up of compressive test specimens if we are not already on site is \$70 for weekdays and \$80 on weekends and holidays. An hourly rate of \$54.00/hour will apply to the short term, call-out inspector. A 3-hour minimum charge will apply for SCI's services that are invoiced hourly. Compressive strength testing of concrete cylinder specimens may be performed for a fixed fee of \$13.50/cylinder. These rates and fees are all inclusive in accordance with your Request for Proposal. The time spent commuting to and from the city will not be included in the hours worked.

Mr. Mark Wilson
City of Chesterfield

2

January 18, 2019
SCI No. 2019-0058.00

We look forward to the opportunity to be of service to the city. We would be pleased to provide our proposed inspectors to you for personal interviews. Please let us know if we can provide additional information to you.

Respectfully,

SCI ENGINEERING, INC.

A handwritten signature in black ink, appearing to read 'DPN', with a stylized flourish at the end.

Dave P. Nolan, P.E.
Vice President

DPN/sle

Enclosures

Acceptance of Proposal for Professional Services
General Terms and Conditions
Resumes

		Rate	OT	Cylinder Cost	
Shannon & Wilson	Jayson Schroer	\$71.00	\$86.00		No cylinder lab, takes to County
Shannon & Wilson	Trevor Coons	\$79.00	\$96.00		
Shannon & Wilson	Joe Brewen	\$90.00	\$110.00		
SCI	Ryan Heckman	\$50.00	\$75.00	\$13.50	
SCI	Kyle Giles	\$50.00	\$75.00		
Geotechnology	Dave Steiner	\$69.42	\$84.29	\$13.50	
Geotechnology	Mike Ziglar	\$57.01	\$68.61		
Geotechnology	Matthew Benz	\$55.53	\$66.77		
TSI	Todd Fizer	\$62.75	\$94.12	\$15.00	
TSI	Susan Alvarez	\$62.75	\$94.12		
TSI	Rodney Robinson	\$55.00	\$82.50		
Millennia	Toni Holder	\$78.00	\$78.00	\$12.00	(No overtime rate at Millennia)
Millennia	Pradip Adhikari	\$78.00	\$78.00		
Millennia	Ben Voss	\$68.00	\$68.00		
Millennia	Jesse Lehn	\$68.00	\$68.00		
Terracon	No Submittal				
PSI	No Submittal				

OTHER LEGISLATION

- A. Bill No. 3231 - Downtown Chesterfield, Category C (Wildhorse) - Boundary Adjustment Plat** An ordinance providing for the approval of a Boundary Adjustment Plat for seven tracts totaling 10.78 acres, with all tracts zoned "PC&R" Planned Commercial and Residence District within Category C of Downtown Chesterfield (18S430248, 18T640095, 18T640204, 18T640215, 18T640303, 18T640314, 18T640325). **(First & Second Readings)** **Department of Planning & Development Services recommends approval.**
- B. Bill No. 3232 - Downtown Chesterfield, Category C (Wildhorse) - Vacation of Right-of-Way** An ordinance vacating right-of-way located within Category C of the Downtown Chesterfield subdivision recorded in Book 354, Page 865 and 866 of the St. Louis County records, located in U.S. Surveys 123 and 2031, Township 45 North, Range 4 East City of Chesterfield, St. Louis County, Missouri. **(First & Second Readings)** **Department of Planning & Development Services recommends approval.**
- C. Bill No. 3233 - Wild Horse Heights - Boundary Adjustment Plat** An ordinance providing for the approval of a Boundary Adjustment Plat for Adjusted Lot BB and Lot C of Wild Horse Heights to create a 3.922 acre tract of land and a 5.00 acre tract of land, zoned "NU" Non-Urban District, and located on the north side of Wild Horse Creek Road across from Wardenburg Farms Drive (19W630182, 19W640169). **(First & Second Readings)** **Department of Planning & Development Services recommends approval.**



Memorandum

Department of Planning & Development Services

To: Michael O. Geisel, City Administrator

From: Justin Wyse, Director of Planning and Development Services

Date: February 20, 2019

RE: **Downtown Chesterfield, Category C (WILDHORSE) BAP:** A Boundary Adjustment Plat for seven tracts totaling 10.78 acres, with all tracts zoned "PC&R" Planned Commercial and Residence District (18S430248, 18T640095, 18T640204, 18T640215, 18T640303, 18T640314, 18T640325).

Stock and Associates Consulting Engineers, Inc., on behalf of Chesterfield Village Inc. has submitted for review and approval a Boundary Adjustment Plat for seven tracts totaling 10.78 acres with all tracts zoned "PC&R" Planned Commercial and Residence District located at various addresses along Wild Horse Creek Road.

The purpose of this Boundary Adjustment Plat is to adjust lot lines between seven properties all zoned "PC&R" Planned Commercial and Residence District to consolidate into two tracts zoned "PC&R" Planned Commercial and Residence District. These lots are known as Lot A and Lot B within the Downtown Chesterfield Category C Site Development Concept Plan, which is also being submitted for approval at the February 20, 2019 City Council meeting.

For your information, Boundary Adjustment Plats are only reviewed by City Council.

Attached to the legislation, please find a copy of the Boundary Adjustment Plat.



Figure 1. Aerial Photograph

BILL NO. 3231

ORDINANCE NO. _____

AN ORDINANCE PROVIDING FOR THE APPROVAL OF A BOUNDARY ADJUSTMENT PLAT FOR SEVEN TRACTS TOTALING 10.78 ACRES, WITH ALL TRACTS ZONED "PC&R" PLANNED COMMERCIAL AND RESIDENCE DISTRICT WITHIN CATEGORY C OF DOWNTOWN CHESTERFIELD (18S430248, 18T640095, 18T640204, 18T640215, 18T640303, 18T640314, 18T640325).

WHEREAS, Stock and Associates Consulting Engineers, Inc., on behalf of Chesterfield Village Inc. has submitted for review and approval a Boundary Adjustment Plat for seven tracts totaling 10.78 acres, with all tracts zoned "PC&R" Planned Commercial and Residence District; and,

WHEREAS, the purpose of this Boundary Adjustment Plat is to adjust lot lines between seven properties to create two tracts zoned "PC&R" Planned Commercial and Residence District known as Lot A and Lot B within Category C of Downtown Chesterfield; and,

WHEREAS, the Department of Planning and Development Services has reviewed the Boundary Adjustment Plat in accordance with the Unified Development Code of the City of Chesterfield and has found it to be in compliance with all applicable ordinances and has forwarded said Boundary Adjustment Plat to the City Council.

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

Section 1. The Boundary Adjustment Plat for seven tracts totaling 10.78 acres on Wild Horse Creek Road, which is made part hereof and attached hereto as Exhibit 1, is hereby approved; the owner is directed to record the plat with the St. Louis County Recorder of Deeds Office.

Section 2. The Mayor and City Clerk are authorized and directed to evidence the approval of the said Boundary Adjustment Plat by affixing their signatures and the official seal of the City of Chesterfield as required on the said document.

Section 3. The Ordinance shall be in full force and effect from and after its passage and approval.

Passed and approved this _____ day of _____, 2019.

PRESIDING OFFICER

Bob Nation, MAYOR

ATTEST:

Vickie Hass, CITY CLERK

FIRST READING HELD: 02/20/2019

WILDHORSE
A BOUNDARY ADJUSTMENT PLAT OF TRACTS OF LAND
LOCATED IN U.S. SURVEY 123, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN,
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI
AN AREA WITHIN CATEGORY C OF DOWNTOWN CHESTERFIELD

ST. LOUIS COUNTY BENCHMARK

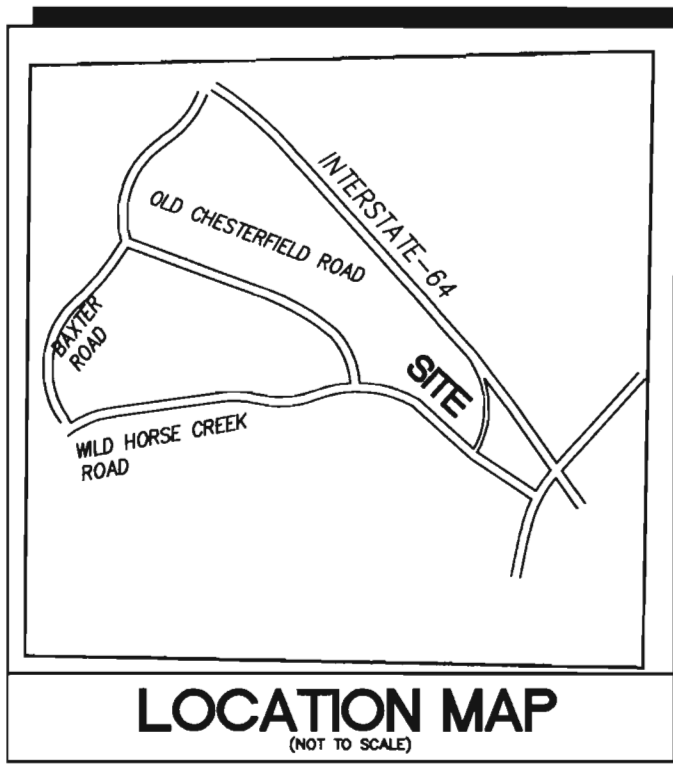
BENCHMARK 1227 NGVD29 Elev = 490.38
Cut "L" on the southwest corner of the 3"x3" traffic signal
pull box set flush in the top of a concrete median island
northeast of the right turn lane from eastbound Wild Horse
Creek Road onto the southbound side of a pavement stub for a
future extension of Burkhardt Place as shown on the plat of
"WILD HORSE CREEK ROAD DEDICATION PLAT" Plat Book
354, Page roughly 55 feet south of the center of Wild Horse Creek
Road 27 feet west of the centerline of the pavement stub for
future Burkhardt Place, and 0.5 miles more or less east of
Banter Road.

ABBREVIATIONS

C.O. - CLEANOUT
D.B. - DEED BOOK
E - ELECTRIC
FL - FLOWLINE
FT - FEET
FND - FOUND
G - GAS
M.H. - MANHOLE
N/F - NOW OR FORMERLY
PB - PLAT BOOK
P.C. - PLAT
P.V.C. - POLYVINYL CHLORIDE PIPE
R.B. - RADIAL BEARING
R.C.P. - REINFORCED CONCRETE PIPE
SQ - SQUARE
T - TELEPHONE CABLE
V.C.P. - VITRIFIED CLAY PIPE
W - WATER
(86"W) - RIGHT-OF-WAY WIDTH

LEGEND

BENCH MARK
FOUND IRON ROD
FOUND IRON PIPE
RIGHT OF WAY MARKER
UTILITY POLE
UTILITY POLE WITH LIGHT
LIGHT STANDARD
ELECTRIC METER
ELECTRIC MANHOLE
ELECTRIC PEDESTAL
ELECTRIC SPUR BOX
GAS DRIP
GAS VALVE
TELEPHONE MANHOLE
TELEPHONE PEDESTAL
TELEPHONE SPUR BOX
CABLE TV PEDESTAL
FIRE HYDRANT
FIRE DEPARTMENT CONNECTION
WATER MANHOLE
WATER METER
WATER VALVE
POST INDICATOR VALVE
CLEAN OUT
STORM MANHOLE
GRATED MANHOLE
STORMWATER INLET
GRATED STORMWATER INLET
SANITARY MANHOLE
TREE
BUSH
TRAFFIC SIGNAL
PARKING METER
STREET SIGN
SPRINKLER
MAIL BOX



LOCATION MAP

CITY OF CHESTERFIELD

EXHIBIT 1

INTERSTATE 64 (US 40 - 61)

Parcel Line Table		
Line #	Length	Direction
L1	146.84	N50° 03' 50"E
L2	157.19	N49° 43' 11"E
L3	26.01	S38° 33' 49"E
L4	156.41	S49° 43' 11"W
L5	134.22	S50° 03' 50"W

Curve Table				
Curve #	Length	Radius	Chord Direction	Chord Length
C1	16.40	20.00	N26° 34' 10"E	15.95
C2	94.70	50.00	N57° 20' 02"E	81.17
C3	21.60	20.00	N80° 39' 22"E	20.56
C4	21.60	20.00	S18° 47' 00"W	20.56
C5	95.30	50.00	S42° 26' 59"W	81.52
C6	16.40	20.00	S73° 33' 30"W	15.95
C7	28.40	991.00	N51° 55' 22"W	28.40
C8	28.53	991.00	N53° 34' 06"W	28.53

OWNER'S CERTIFICATION

The undersigned, owner of the tract of land herein platted and further described in the surveyor's certificate set forth below, has caused the same to be surveyed and adjusted in the manner shown on this plat, which Boundary Adjustment Plat shall be known as

"WILDHORSE"

It is hereby certified that all existing easements are shown on this plat as of the time and date of recording of this plat.

The area which for better identification as shown hatched on this plat is hereby established as an INGRESS/EGRESS, CROSS ACCESS Easement reserved by the present and future owners of Adjusted Lots A and B and all of their respective successors and assigns, their tenants, sub-tenants, lessees, and their respective officers, employees, agents, representatives, invitees, for the non-exclusive right and privilege for ingress and egress by pedestrian, automobiles, passenger vehicles, and trucks. The owners agree not to obstruct the foregoing easement by means of a fence or other barrier, and further, to keep the area open and useable on their property leading to and from Wild Horse Creek Road. No such accessway shall be relocated, narrowed, or otherwise altered without the approval of the present and future owners of above said Adjusted Lots A and B, and the easement hereby established shall apply fully to such altered accessway, and said easement shall be perpetual and further shall run with the real estate.

This subdivision is subject to the Tract Declaration of Covenants, Conditions and Restrictions and Grant of Easements for Lots Created by Wildhorse, which is recorded in Book _____ Page _____ of the St. Louis County Missouri real estate records.

Two (2) permanent monuments for each block created, and semi-permanent monuments at all lot corners will be set within twelve (12) months after the recording of this BOUNDARY ADJUSTMENT PLAT, in accordance with 20 CSR 2030-16 of the Department of Insurance, Financial Institutions and Professional Registration. In addition, other survey monuments indicated on this boundary adjustment plat, required by the Subdivision Ordinance of the City of Chesterfield, Missouri, will be set.

IN WITNESS THEREOF, I have hereunto set my hand this ____ day of _____, 20__.

Chesterfield Village Inc. a Missouri company

By: _____

Title: _____

STATE OF MISSOURI)
COUNTY OF ST. LOUIS)

On this ____ day of _____ in the year ____ before me, _____, a Notary Public in and for said state, personally appeared _____ of Chesterfield Village Inc., known to me to be the person who executed the foregoing instrument in behalf of said corporation and acknowledged to me that he executed the same for the purposes therein stated.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

My commission expires: _____
Notary Public

LENDER'S CERTIFICATION

The undersigned owner and holder of promissory note secured by Deed of Trust, Security Agreement and Fixture Filing, recorded in Book _____ Page _____ as amended in Book _____ Page _____ of the St. Louis County Records, does hereby join in and consent to the foregoing Boundary Adjustment Plat as shown hereon.

IN WITNESS WHEREOF, we have hereunto set our hand and affixed our corporate seal this ____ day of _____, 20__.

STATE OF MISSOURI)
COUNTY OF _____)

On this ____ day of _____, 20__, before me appeared _____, personally known to me, who being by me duly sworn, did say that he/she is the _____, a national banking association, and acknowledged to me that he/she has the authority to bind said national banking association, and executed the foregoing Boundary Adjustment Plat as the free act and deed of said national banking association.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

My commission expires: _____
Notary Public

GENERAL NOTES:

1) Subject property is Zoned:

"PCSR: Planned Commercial & Residence District Per Ordinance No. 3023

2) Subject property lies within Flood Zone "X" (Areas determined to be outside the 0.2% annual chance floodplain, according to the National Flood Insurance Rate Map Number 29189C0165K with an effective date of 02/04/2015).

3) Basis of Bearing: East line of the tract of land conveyed to Chesterfield Village Inc. as recorded in Deed Book 16957 Page 288 of the St. Louis County records being North 6 degrees 35 minutes 49 seconds East.

4) Stock and Associates Consulting Engineers, Inc. used exclusively St. Louis Title, LLC, agent for Old Republic National Title Insurance Company, Commitment No. 10556STL, Revision 2 with an effective date of May 15, 2018, Revision #3, at 8:00 AM and Commitment No. 10756STL, Revision 4, with an effective date of April 3, 2018, at 8:00 AM for research of easements and encumbrances. No further research was performed by Stock and Associates Consulting Engineers, Inc.

STATEMENT OF STATE PLANE COORDINATE TIE:

STATION: SL-31
GRID FACTOR = 0.99993368
NORTH (Y) = 312625.342
EAST (X) = 244719.740

NOTE: 1 METER = 3.28083333 FEET
ALL STATE PLANE COORDINATES ARE IN METERS.

STATION: SL-31, ADJUSTED IN 2012

Station SL-31 to Azimuth Mark SL-31A - Grid Azimuth = 38 Degrees 30 Minutes 32 Seconds.

The Missouri Coordinate System of 1983 East Zone coordinate values reported hereon were determined based upon a field traverse during 2018 using Trimble GPS receivers, and that in my professional opinion, as a land surveyor registered in the State of Missouri, the reported State Plane Coordinates meet the current Missouri Standards for Property Boundary Surveys (20 CSR 2030-16). The basis of bearings shown on this plat were adopted from Deed Book 16957, Page 288. The grid bearing along the West line on this plat is found to be North 06 degrees 35 minutes 00 seconds East. The measured bearing labeled along the same line is North 06 degrees 35 minutes 49 seconds East 640.42 feet. The grid bearing from SL-31 to the most West corner is North 39 degrees 01 minutes 02 seconds West 1525.576 meters with the scale factor applied.

PREPARED BY:

STOCK & ASSOCIATES
Consulting Engineers, Inc.

BOUNDARY ADJUSTMENT PLAT

WILDHORSE

16461-16511 WILD HORSE CREEK ROAD
City of Chesterfield, St. Louis County, Missouri



REVISIONS:

DRAWN BY: N.P.W.
DATE: 12/12/18
W.S.D. P.E.
S.L.C. H&T P.
M.D.N.R. #

CHECKED BY: W.J.P.
JOB NO: 218-6283
BASE MAP #
H&T SUP. #

SHEET TITLE:
BOUNDARY ADJUSTMENT PLAT
SHEET NO.:
SHEET #1

PREPARED FOR:
PEARL COMPANIES
919 N. EAST STREET
INDIANAPOLIS, IN. 46202
ATTN: MR. JEFF TEGETHOFF



Memorandum

Department of Planning & Development Services

To: Michael O. Geisel, City Administrator

From: Justin Wyse, Director of Planning and Development Services **JW**

Date: February 20, 2019

RE: **Downtown Chesterfield, Category C (WILDHORSE) VROW:** A petition for the vacation of a right-of-way located within Category C of the Downtown Chesterfield Subdivision located north of Wild Horse Creek Road and east of Old Chesterfield Road.

Stock and Associates Consulting Engineers, Inc., on behalf of Chesterfield Village Inc. is requesting the vacation of right-of-way dedicated to the City of Chesterfield located on the subject property. All utility companies were made aware that the vacation will take place.

Parcels that previously utilized this right-of-way as a sole access point will now be provided access off of Wild Horse Creek Road in conjunction with the WILDHORSE development which is also for review and approval at the February 20, 2019 City Council meeting.

Attached to the legislation, please find a copy of the petition and Exhibit B which describe and show the easement to be vacated.

Attachments: Legislation
Petition
Exhibit "B"



Figure 1. Aerial Photograph

BILL NO. 3232

ORDINANCE NO. _____

AN ORDINANCE VACATING RIGHT-OF-WAY LOCATED WITHIN CATEGORY C OF THE DOWNTOWN CHESTERFIELD SUBDIVISION RECORDED IN BOOK 354, PAGE 865 AND 866 OF THE ST. LOUIS COUNTY RECORDS, LOCATED IN U.S. SURVEYS 123 AND 2031, TOWNSHIP 45 NORTH, RANGE 4 EAST CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI.

WHEREAS, a petition has been filed by Stock and Associates Consulting Engineers, Inc., requesting the City to vacate right-of-way on said tract of land; and,

WHEREAS, Chesterfield Village Inc. owns the property adjacent to said right-of-way to be vacated; and,

WHEREAS, the Department of Planning and Development Services has reviewed the petition and has determined that said petition meets all applicable regulations and determined that the vacation will have no adverse effect on the City of Chesterfield.

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

Section 1. The City Council of the City of Chesterfield hereby approves the right-of-way vacation located within Category C of the Downtown Chesterfield Subdivision in Chesterfield as depicted in "Exhibit B" and described in the Petition which are attached hereto and made part of hereof; and

Section 2. The Mayor and City Clerk are authorized and directed to evidence the approval of the vacation of the right of way by affixing their signatures and the Official Seal of the City of Chesterfield to a Certificate of Approval as required on said documents. The petitioner is required and directed to record the right-of-way vacation with the Saint Louis County Recorder of Deeds Office; and

Section 3. The Ordinance shall be in full force and effect from and after its passage and approval.

Passed and approved this _____ day of _____, 2019.

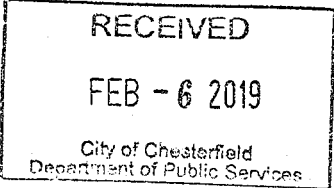
PRESIDING OFFICER

Bob Nation, MAYOR

ATTEST:

Vickie Hass, CITY CLERK

FIRST READING HELD: 02/20/2019



STATE OF MISSOURI)
) SS
COUNTY OF ST. LOUIS)

TO THE CITY COUNCIL OF THE CITY OF CHESTERFIELD

STATE OF MISSOURI

PETITION OF VACATION OF RIGHT-OF-WAY

UNDER SECTION 02-11.1 OF THE UNIFIED DEVELOPMENT CODE

Petitioner, Chesterfield village Inc., states to the City Council of the City of Chesterfield, State of Missouri that:

1. They are the owners of fee simple of the following described parcel of real estate situated in the City of Chesterfield, County of St. Louis, State of Missouri, containing approximately 556,261 square foot of ground as shown on an attached plat, marked as Exhibit "A" and incorporated herein by reference and more particularly described as:

Chesterfield Village Inc. parcels:
16533 Chesterfield Road Loc# 18T640237
16513 Wild Horse Creek Road Loc# 18T640259
16491 Wild Horse Creek Road Loc# 18T640095
16495 Wild Horse Creek Road Loc# 18T640215
16503 Wild Horse Creek Road Loc# 18T640303
16511 Wild Horse Creek Road Loc# 18T640314
16517 Chesterfield Road Loc# 17T320158
2. Petitioner desires to have a portion of a right-of-way situated in the City of Chesterfield, Missouri, vacated. The portion of the right-of-way, to be vacated, is shown on an attached plat, marked as Exhibit "A," incorporated herein by reference. The right-of-way to be vacated is shown hatched on Exhibit "A."
3. The right-of-way shown on the attached plat, marked on Exhibit "A" and also described as follows:

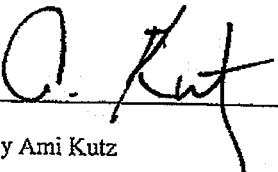
Right-of-way Vacation Description

A tract of land being part of Chesterfield Airport Road, (f.k.a. Olive Street Road) 60 feet wide, located in U.S. Surveys 123 and 2031, Township 45 North, Range 4 East City of Chesterfield, St. Louis County, Missouri being more particularly describes as follows: Beginning at a found iron pipe located at the intersection of the north right-of-way line of Chesterfield Airport Road (f.k.a. Olive Street Road), 60 feet wide with the north right-of-way line of Wild Horse Creek Road, variable width, as established by the Wild Horse Creek Road Dedication Plat, as recorded in Plat Book 354, Pages 865 and 866 of the St. Louis County Records, said point also being located on a curve having a radius of 991.00 feet; thence along the direct northwesterly extension of said curve with an arc length of 254.71 feet and a chord which bears North 57 degrees 56 minutes 36 seconds West, 254.01 feet to a found iron rod located on the south right-of-way line of above said Chesterfield Airport Road; thence along said south right-of-way line, North 44 degrees 16 minutes 49 seconds West, 273.86 feet to a point from which a found iron pipe bears South 70 degrees 19 minutes 20 seconds East, 0.45 feet; thence North 55 degrees 44 minutes 30 seconds West, 406.21 feet to its intersection with the northeastern right-of-way line of Relocated Chesterfield Airport Road, variable width, as established by above said Road Dedication Plat, said point also being located on a non-tangential curve having a radius of 602.96 feet; thence along the extension of said curve to the left with an arc length of 277.23 feet and a chord which bears North 44 degrees 14 minutes 08 seconds West, 274.80 feet to its intersection with the north right-of-way line of Chesterfield Airport Road,

(f.k.a. Olive Street Road); thence along said right-of-way line the following courses and distances: South 57 degrees 24 minutes 27 seconds East, 178.36 feet; South 55 degrees 44 minutes 30 seconds East, 503.22 feet to a point from which a found iron pipe bears, North 70 degrees 26 minutes 29 seconds East, 0.14 feet and South 44 degrees 16 minutes 49 seconds East, 526.70 feet to the POINT OF BEGINNING. Containing 52,585 square feet or 1.207 acres, more or less according to calculations performed by Stock & Associates Consulting Engineers, Inc. on January 9, 2019.

4. Petitioners are the owners in fee simple of all of the property which is bordering on the portion of the right-of-way which the petitioner desires to vacate, and that, if the City Council of the City of Chesterfield vacates the portion of that right-of-way, then the vacated portion shall vest in the petitioner.
5. The portion of right-of-way which Petitioners desire to vacate is adjoined or abutted by the property which is owned by the petitioners in fee simple, and none of the adjoining property to the portion of the right-of-way which will be vacated is owned by anyone other than the Petitioners.
6. The portion of the right-of-way that is to be vacated is not being used by anyone due to the fact that there are other right-of-ways available and are being used. Further, the portion of the right-of way which shall remain will adequately serve such property.
7. The vacation herein petitioned for is in the interest of the public necessity, convenience and general welfare, and will not interfere with the best interest of the public use.

WHEREOF, Petitioner prays that the City Council of the City of Chesterfield, Missouri, vacate the portion of the right-of-way as set forth in detail in this petition and Petitioners further pray that the portion of the right-of-way to be vacated as herein described shall revert to the Petitioners who are the owner in fee simple of the adjoining and abutting property and ordain such further orders as may be property to accomplish vacation prayed.

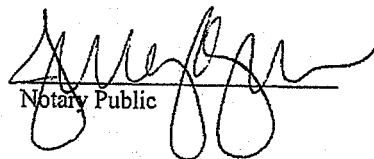

By Ami Kutz

Chesterfield Village Inc.

STATE OF MISSOURI)
) SS
COUNTY OF ST. LOUIS)

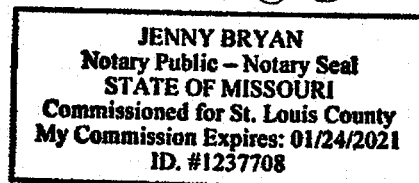
On this 6 day of February, 2019, before me personally appeared Ami Kutz, who, being duly sworn, did say that he is the VP of Chesterfield Village a corporation of the State of Missouri, and that said instrument was signed in behalf of said partnership, by authority of its Board of Directors and said Ami Kutz acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first written above.


Notary Public

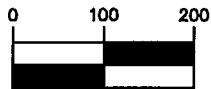
My Term Expires:

1-24-2021



WILD HORSE CREEK-OLIVE ROW VAC

GRAPHIC SCALE



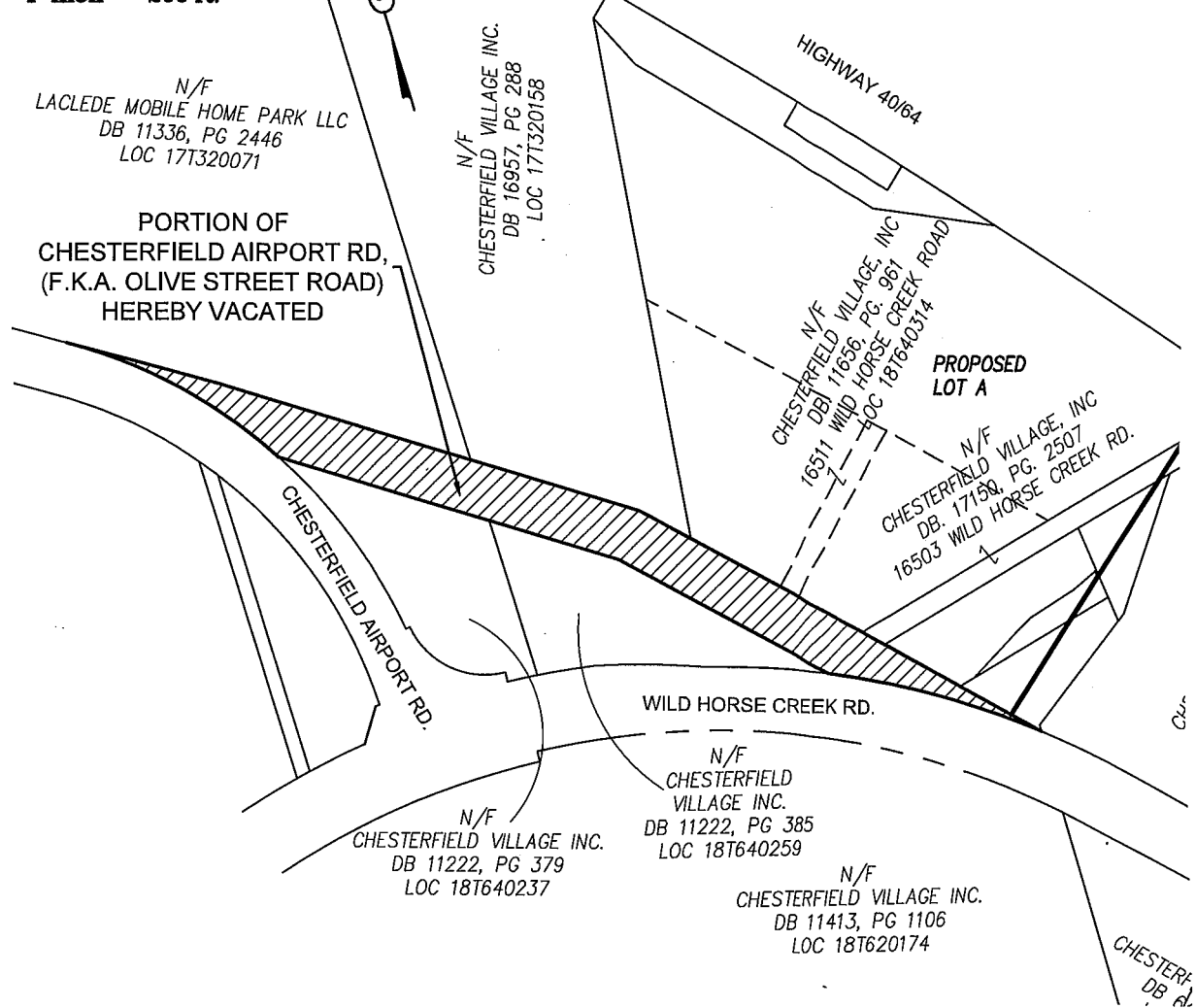
(IN FEET)

1 inch = 200 ft.

RECEIVED

FEB - 6 2019

City of Chesterfield
Department of Public Services



SHEET 1 OF 3
EXHIBIT B

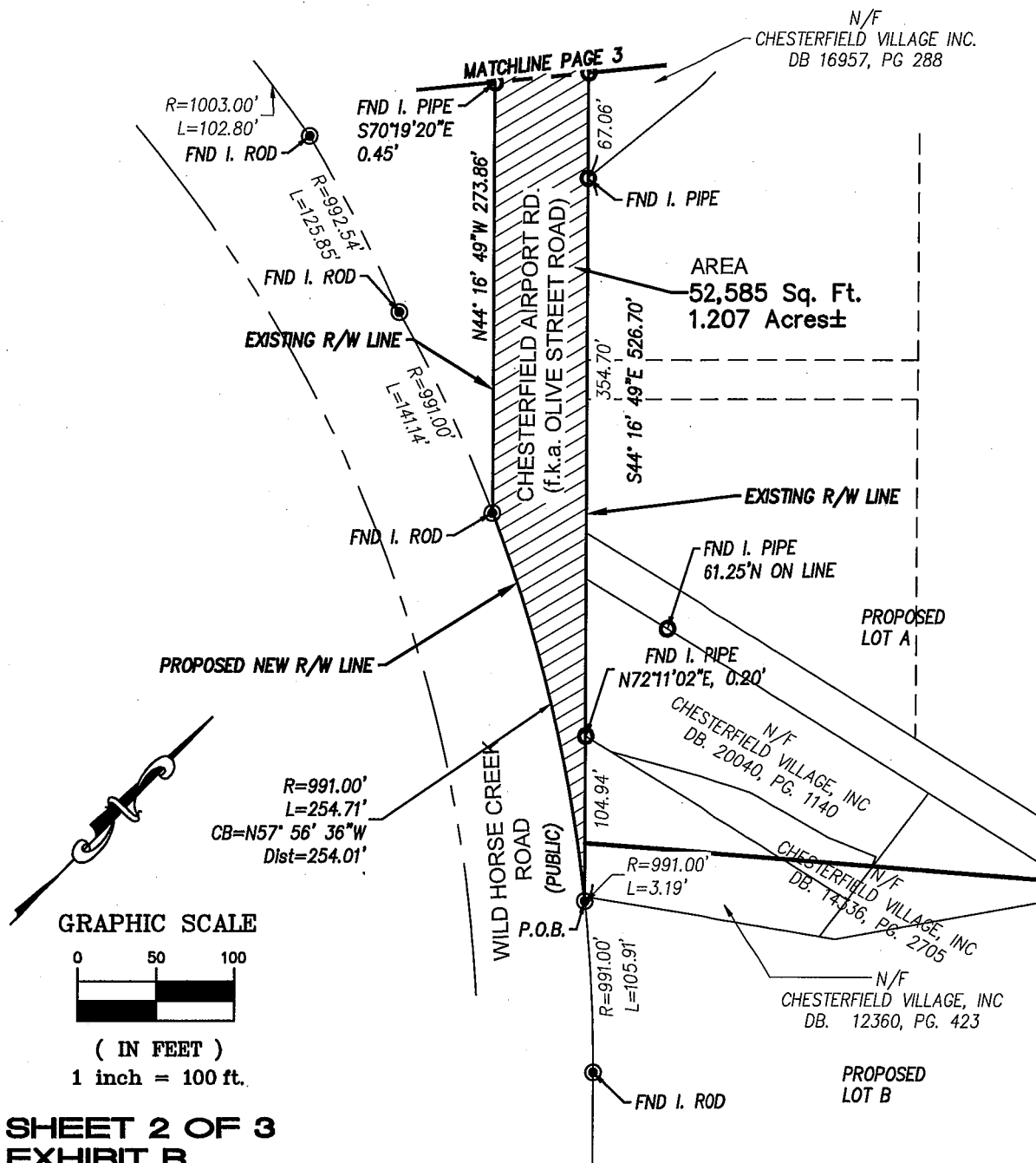
RIGHT OF WAY VACATION EXHIBIT

A TRACT OF LAND BEING PART OF CHESTERFIELD AIRPORT ROAD
IN U.S. SURVEY 123 AND 2031, TOWNSHIP 45 NORTH,
RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN,
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

DATE 12-19-2018

6283\ROW TOTAL LENGTH.DWG

FEB - 6 2019

City of Chesterfield
Department of Public SafetySHEET 2 OF 3
EXHIBIT B**RIGHT OF WAY VACATION EXHIBIT**

A TRACT OF LAND BEING PART OF CHESTERFIELD AIRPORT ROAD IN
U.S. SURVEY 123 AND 2031, TOWNSHIP 45 NORTH,
RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN,
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

DATE 12-19-2018

6283\ROW TOTAL LENGTH.DWG

RECEIVED

FEB - 6 2019

City of Chesterfield
Department of Public Services

GRAPHIC SCALE



(IN FEET)

1 inch = 100 ft.

PROPOSED NEW R/W LINE

$R=602.96'$
 $L=277.23'$
 $CB=N44^{\circ}14'08''W$
 $Dist=274.80'$

$R=542.96'$
 $L=514.18'$
RELOCATED CHESTERFIELD
AIRPORT ROAD
(W) (PUBLIC)

WILD HORSE CREEK
(PUBLIC)

EXISTING R/W LINE

CHESTERFIELD AIRPORT RD.
(I.K.A. OLIVE STREET ROAD)

FND I. PIPE
 $S55^{\circ}43'11''E, 1.84$
FND I. PIPE
 $S00^{\circ}17'34''W, 2.69'$

FND I. PIPE

MATCHLINE PAGE 2

N/F
CHESTERFIELD VILLAGE INC.
DB 11222, PG 385
LOC 181640259

SHEET 3 OF 3
EXHIBIT B

RIGHT OF WAY VACATION EXHIBIT

A TRACT OF LAND BEING PART OF CHESTERFIELD AIRPORT ROAD
IN U.S. SURVEY 123 AND 2031, TOWNSHIP 45 NORTH,
RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN,
CITY OF CHESTERFIELD, LOUIS COUNTY, MISSOURI

City Council Memorandum

Department of Planning & Development Services



To: Michael O. Geisel, City Administrator

From: Justin Wyse, Director of Planning and Development Services

Date: February 6, 2019

CC Date: February 20, 2019

Re: **Wild Horse Heights, Adjusted Lot BB & Lot C (Boundary Adjustment Plat)**: A Boundary Adjustment Plat for Adjusted Lot BB & Lot C of Wild Horse Heights, zoned "NU" Non-Urban District located on the north side of Wild Horse Creek Road across from Wardenburg Farms Drive (19W630182, 19W640169).

Poehlman & Prost, Inc., on behalf of property owner Robert L. Montgomery, has submitted for review and approval a Boundary Adjustment Plat for two parcels totaling 8.922 acres; Lot BB zoned "NU" Non-Urban District located at 17941 Wild Horse Creek Road and Lot C zoned "NU" Non-Urban District at 17937 Wild Horse Creek Road.

The purpose of said Boundary Adjustment Plat is to adjust the shared property line between 17941 and 17937 Wild Horse Creek Road while maintaining the existing size of each parcel.

Address	Before BAP	After BAP
17941 Wild Horse Creek Road (Lot BB)	3.922 acres	3.922 acres
17937 Wild Horse Creek Road (Lot C)	5.00 acres	5.00 acres

Attached to the legislation, please find a copy of the Boundary Adjustment Plat.



Figure 1: Aerial Photograph

BILL NO. 3233

ORDINANCE NO. _____

AN ORDINANCE PROVIDING FOR THE APPROVAL OF A BOUNDARY ADJUSTMENT PLAT FOR ADJUSTED LOT BB AND LOT C OF WILD HORSE HEIGHTS TO CREATE A 3.922 ACRE TRACT OF LAND AND A 5.00 ACRE TRACT OF LAND, ZONED "NU" NON-URBAN DISTRICT, AND LOCATED ON THE NORTH SIDE OF WILD HORSE CREEK ROAD ACROSS FROM WARDENBURG FARMS DRIVE (19W630182, 19W640169).

WHEREAS, Poehlman & Prost, Inc., on behalf of property owner Robert L. Montgomery, has submitted for review and approval a Boundary Adjustment Plat for two parcels totaling 8.922 acres, zoned "NU" Non-Urban District, and located at 17941 Wild Horse Creek Road and 17937 Wild Horse Creek Road; and,

WHEREAS, the purpose of said Boundary Adjustment Plat is to adjust the shared property line between Wild Horse Heights Adjusted Lot BB and Wild Horse Heights Lot C while maintaining existing lot sizes; and,

WHEREAS, the Department of Planning and Development Services has reviewed the Boundary Adjustment Plat in accordance with the Unified Development Code of the City of Chesterfield and has found it to be in compliance with all applicable ordinances and has forwarded said Boundary Adjustment Plat to the City Council.

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

Section 1. The Boundary Adjustment Plat for Adjusted Lot BB and Lot C of Wild Horse Heights, which is made part hereof and attached hereto as Exhibit 1, is hereby approved; the owner is directed to record the plat with the St. Louis County Recorder of Deeds Office.

Section 2. The Mayor and City Clerk are authorized and directed to evidence the approval of the said Boundary Adjustment Plat by affixing their signatures and the official seal of the City of Chesterfield as required on the said document.

Section 3. The Ordinance shall be in full force and effect from and after its passage and approval.

Passed and approved this _____ day of _____, 2019.

PRESIDING OFFICER

Bob Nation, MAYOR

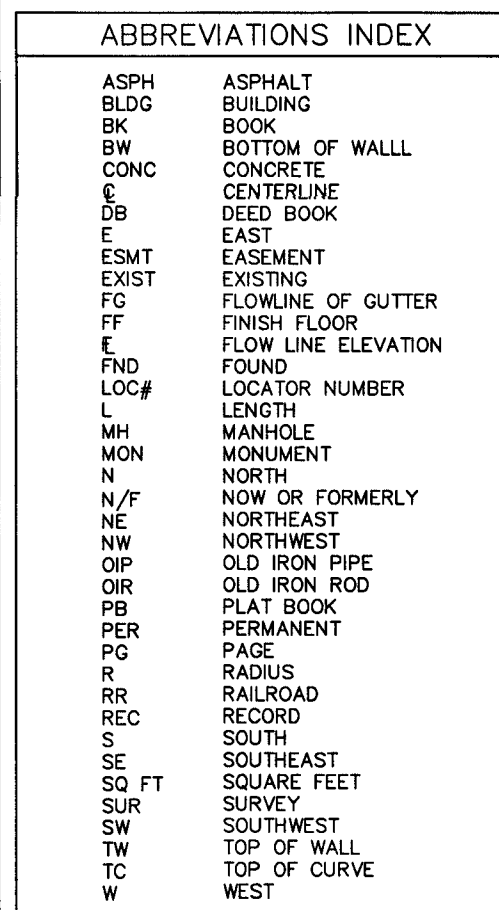
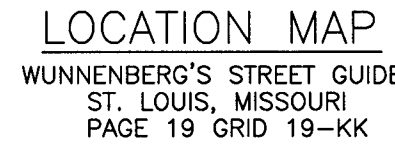
ATTEST:

Vickie Hass, CITY CLERK

FIRST READING HELD: 02/20/2019

CITY OF CHESTERFIELD

EXHIBIT 1



BY: Christopher M. Laneman
CHRISTOPHER M. LANEMAN R.L.S. 2369

BOB NATION, MAYOR

VICKIE HASS, CITY CLERK

20' REAR YARD

20' SIDE YARD

20' SIDE YARD

50' BUILDING LINE

TYPICAL LOT SETBACKS

FND OIP	FOUND OLD IRON PIPE
FND CONC MON	FOUND CONCRETE MONUMENT
SET IP	SET IRON PIPE (IN ACCORDANCE WITH MISSOURI MINIMUM STANDARDS)

THE RESPONSIBILITY FOR PROFESSIONAL ENGINEERING/SURVEYING LIABILITY ON THIS PROJECT IS HEREBY LIMITED TO THE SET OF PLANS AUTHENTICATED BY THE SEAL, SIGNATURE AND DATE HERE UNDER ATTACHED. RESPONSIBILITY IS DISCLAIMED FOR ALL OTHER ENGINEERING/SURVEYING PLANS INVOLVED IN THE PROJECT AND SPECIFICALLY EXCLUDES REVISIONS AFTER THIS DATE UNLESS RE-AUTHENTICATED.

THE ORIGINAL OF THIS DRAWING IS ON FILE AT THE OFFICE OF POEHLMAN & PROST, INC. ANY MODIFICATIONS TO THIS DRAWING SHALL RELEASE SAID POEHLMAN & PROST, INC., THE ENGINEER AND/OR SURVEYOR WHOSE SEAL APPEARS HEREON FROM ANY LIABILITY RESULTING FROM SAID UNAUTHORIZED MODIFICATIONS.

IN WITNESS WHEREOF, WE HAVE HEREUNTO SET OUR HANDS THIS _____ DAY OF _____, 20____.

BY: ROBERT L. MONTGOMERY

STATE OF MISSOURI)
)SS
COUNTY OF ST. LOUIS)

ON THIS _____ DAY OF _____, 20____, BEFORE ME PERSONALLY APPEARED
ROBERT L. MONTGOMERY, TO ME KNOWN TO BE THE PERSON
DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT AND ACKNOWLEDGED THAT HE EXE-
CUTED THE SAME AS HIS FREE ACT AND DEED.

IN TESTIMONY WHEREOF, I HAVE HEREUNTO SET MY HAND AND MY OFFICIAL SEAL IN THE COUNTY AND STATE AFORESAID THE DAY AND YEAR LAST ABOVE WRITTEN.

MY COMMISSION EXPIRES: _____

NOTARY PUBLIC

THE UNDERSIGNED LEGAL OWNER AND HOLDER OF NOTES SECURED BY DEED OF TRUST RECORDED IN DEED BOOK _____, PAGE _____ OF THE ST. LOUIS COUNTY RECORDS, JOINS IN AND APPROVES IN EVERY DETAIL THIS BOUNDARY ADJUSTMENT PLAT.

IN WITNESS WHEREOF, WE HAVE HEREUNTO SET OUR HANDS AND AFFIXED OUR CORPORATE SEAL THIS _____ DAY OF _____, 20____.

QUICKEN LOANS

PRINTED NAME

TITLE	
1	1. TITLE
2	2. TITLE
3	3. TITLE
4	4. TITLE
5	5. TITLE
6	6. TITLE
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99	99. TITLE
100	100. TITLE

STATE OF _____)
COUNTY OF _____) SS

ON THIS _____ DAY OF _____, 20____, BEFORE ME PERSONALLY APPEARED _____ TO ME KNOWN, BEING BY ME DULY SWORN, DID SAY THAT HE IS _____ OF QUICKEN LOAN CORPORATION, WHICH IS ORGANIZED AND EXISTING UNDER THE STATE OF _____ AND THAT THE SEAL AFFIXED TO THE FOREGOING INSTRUMENT IS THE CORPORATE SEAL OF SAID CORPORATION AND THAT THE INSTRUMENT WAS SIGNED AND SEALED ON BEHALF OF SAID CORPORATION BY A MEMBER OF ITS BOARD OF DIRECTORS AND SAID _____ ACKNOWLEDGED SAID INSTRUMENT TO BE THE FREE ACT AND DEED OF SAID CORPORATION.

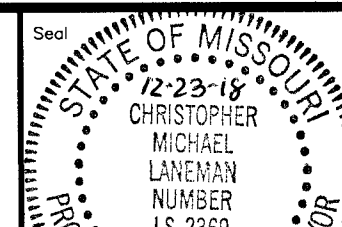
IN TESTIMONY WHEREOF, I HAVE HEREUNTO SET MY HAND AND MY OFFICIAL SEAL IN THE COUNTY
AND STATE AFORESAID THE DAY AND YEAR LAST ABOVE WRITTEN.

MY COMMISSION EXPIRES: _____

NOTARY PUBLIC

A TRACT OF LAND BEING LOT C OF WILD HORSE HEIGHTS, A SUBDIVISION RECORDED IN PLAT BOOK 319, PAGE 7 OF THE ST. LOUIS COUNTY, MISSOURI RECORDS.

A TRACT OF LAND BEING LOT BB OF A BOUNDARY ADJUSTMENT PLAT OF ADJUSTED LOTS A, B, D AND E OF WILD HORSE HEIGHTS, A SUBDIVISION RECORDED IN PLAT BOOK 352, PAGE 82 OF THE ST. LOUIS COUNTY, MISSOURI RECORDS.

POEHLMAN & PROST, INC. Land Surveying and Civil Engineering		ISSUE DATE: 10/30/18		Revised: 1 City Comments 12-23-2018
P.O. Box 8340 8280 Dellman Industrial Drive St. Louis, Missouri 63132 (314) 997-5777 FAX 997-0407 E-Mail: ppi@poehlman-prost.com		DRAWN BY: DJPL DATE: 10/30/18		
		CHECKED BY: CML DATE: 10/30/18		
		PROOFED #: 21112-1MH DATE: 10/30/18		
Project: 17937 & 17941 WILD HORSE CREEK ROAD				
Prepared For: ROBERT L. MONTGOMERY 17945 WILD HORSE CREEK ROAD CHESTERFIELD, MISSOURI 63017 (314) 537-9715		Seal 		
Sheet Title: BOUNDARY ADJUSTMENT PLAT		Project Number: 92-223-G Sheet: 1 OF 1		

UNFINISHED BUSINESS

There are no unfinished action items on the agenda for this meeting.

If you have any questions or require additional information, please contact me prior to Wednesday's meeting.

NEW BUSINESS

I am unaware of any New Business items for this meeting's agenda.

If you have any questions or require additional information, please contact me prior to Wednesday's meeting.