



690 Chesterfield Pkwy W • Chesterfield MO 63017-0760  
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## Architectural Review Board Staff Report

|                      |  |
|----------------------|--|
| <b>Project type:</b> | Site Development Section Plan  |
| <b>Meeting Date:</b> | June 20, 2024  |
| <b>From:</b>         | Shilpi Bharti, Planner <i>SB</i>   |
| <b>Location:</b>     | North Outer 40 Road  |
| <b>Description:</b>  | <b>17955 – 18055 N Outer 40 Road (Gumbo Flats):</b> A Site Development Plan, Landscape Plan, Lighting Plan and Architectural Elevations for Contemporary Lodge & Wilderness Area located on four lots comprising total of 290.9-acre tract of land located north side of North Outer 40 Road, zoned “PC”-Planned Commercial, “PI” -Planned Industrial, “M3” -Planned Industrial, and “NU” -Non-Urban District. |

### PROPOSAL SUMMARY

Stock & Associates Consulting Engineers, Inc. on behalf of Gumbo Flats Properties, LLC has submitted a Site Development Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Contemporary Lodge & Wilderness Area. The site consists of four lots, Lot A, Lot B, Lot C, and Lot D. Building is proposed on Lot A and B that faces North Outer 40 Road.

Proposed Development includes:

- 24,500 square feet of three-story building on Lot A
- 3 Gravel parking areas on Lot C
- Lake, trail, pavilion and community garden on Lot C
- Partial parking for Lot A on Lot B
- Landscape plan for Lot A and Lot C
- Lighting Plan



Figure 1: Subject Location

## **HISTORY OF SUBJECT SITE**

The subject site is located in Ward 4 of City of Chesterfield. Most recently in 2024, the Boundary Adjustment Plat was submitted by the applicant which re-platted the existing ten lots located north of North Outer 40 Road into four lots, Lot A, Lot B, Lot C, and Lot D. The Boundary Adjustment Plat got approved by the City Council on April 16, 2024. Lot A, Lot B, and the middle portion of Lot C were zoned “PC” – Planned Commercial in 2023. The ordinance governing the PC site is Ordinance 3229. As per the approved ordinance and preliminary development plan, PC site is allowed to have gravel parking on the north side of the levee trail. Lot D has an existing Batching plant governed by “PI”-Planned Industrial Ordinance 2944 and Conditional Use Permit. Lot D and the western portion of Lot C are undergoing a rezoning process to amend the existing “PI” Planned Industrial District ordinance to include the “M3”-Planned Industrial and “NU”- Non-Urban parcels. The Preliminary Development Plan submitted with the zoning petition matches with the proposed Site Development Plan.



Figure 2: Updated Lot Configuration as approved in the Boundary Adjustment Plat





Figure 3: Zoning map

### **STAFF ANALYSIS**

The Site Development Plan for Contemporary Lodge and Wilderness area comprised of four lots; Lot A, Lot B, Lot C, and Lot D totaling 290.6 acres. The site is accessed from North Outer 40 Road. There is total three access to this development from the North Outer 40 Road. Also, all the lots are internally connected via gravel drive. The City of Chesterfield Unified Development Code (UDC) provides general requirements for site design and building design which are further described in the report. The report summarizes UDC general requirements for each lot.

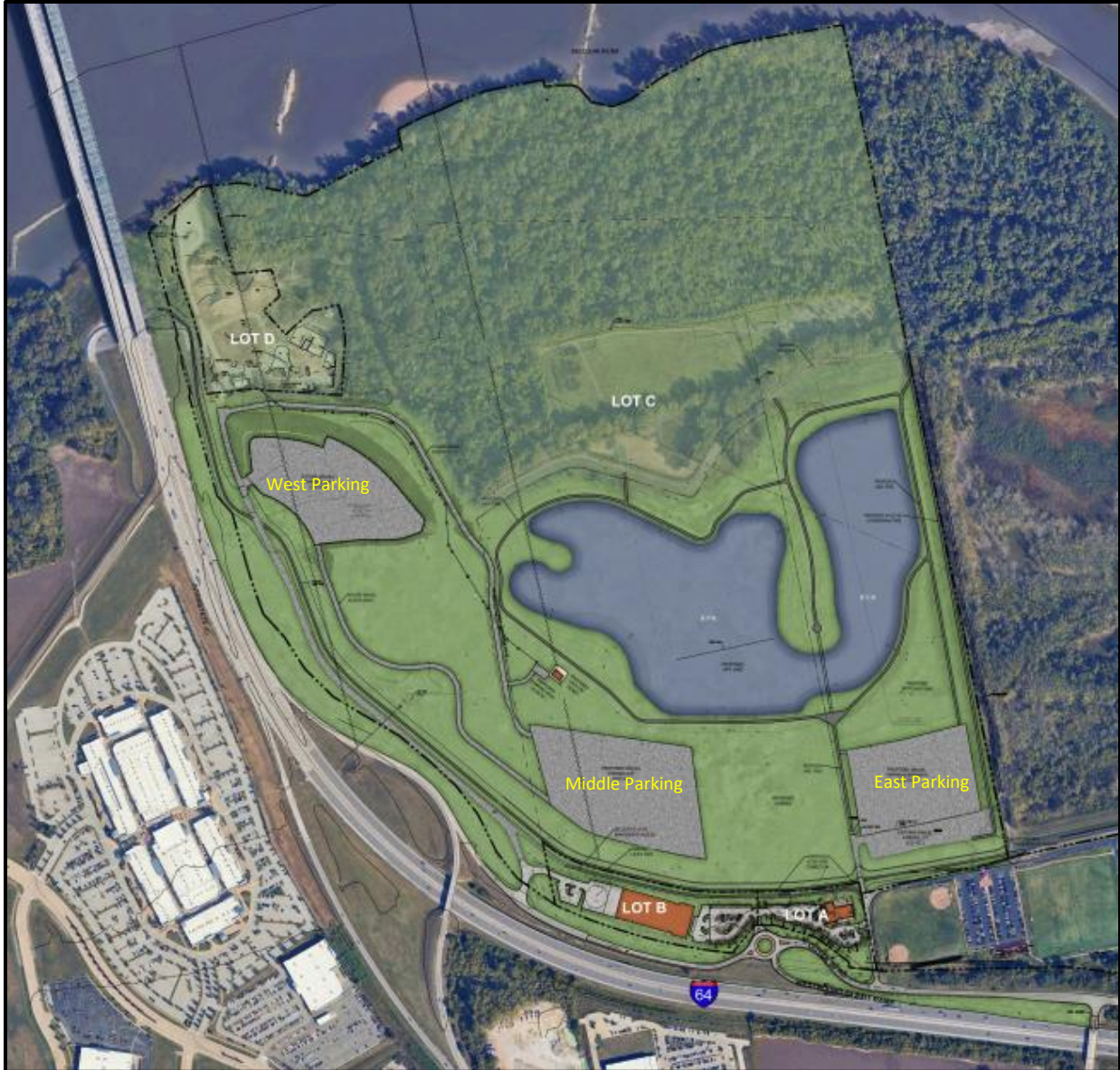


Figure 3: Colored Site Plan

## Site Relationships

### Lot A

The site is 3.2 acres in area. The site is proposed for three stories mixed-use lodge building of 24,500 square feet that will be 60 feet high. The Building will have retail on first floor, restaurant on second floor and office/conference on the third floor. The site is surrounded by park on the east, Levee trail on the north, future proposed building on the west, and North Outer 40 Road on the south.

### Lot B

The site is 6.2 acres in area. There is two story office and studio building proposed for this site for the future development. The site will be surrounded by a three story building on the east and levee trail on the north. There will be shared parking space on the east for Lot A. The site development plan shows the proposed parking that will be built with the development of Lot A.



### Lot C

The site is 271.12 acres with relatively flat land. There is passive recreation area proposed for lot C that will be used by people visiting Gateway Studios facility located at an intersection of Chesterfield Airport Road and Spirit of St. Louis Blvd. There are three gravel parking areas, lake, trail, pavilion and garden proposed for this site. The parking area will be gated and will not be accessible to public. The north side of the site has wilderness which will be preserved. The east of the site has Big Muddy conservation area. Interstate 64 runs west of the subject site, and North Outer 40 Road runs on the south.

### Lot D

Lot D consists of 10 acres. There is an existing Batching Plant on site. There are no changes proposed to the site with the submitted Site Development Plan.

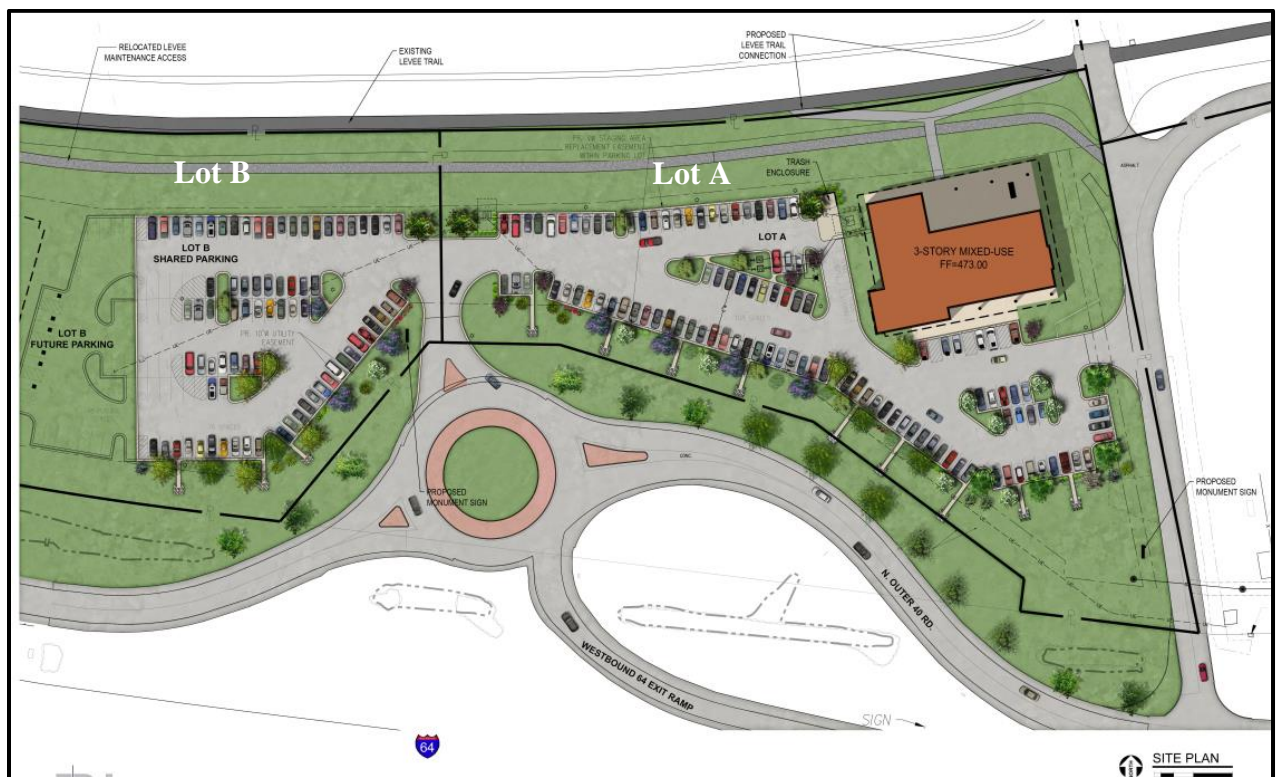


Figure 4: Colored Site Plan of Lot A and partial Lot B

### Circulation System and Access

#### Lot A

There are two access proposed for Lot A. One access is from a roundabout of North Outer 40 Road, and another access is from private road on the east. The access from North Outer 40 Road is also the shared access for Lot B. The access drive is nearly 29' wide.

The proposed three-story building will be connected to the Levee trail from the first floor. There is existing Levee maintenance access on the north side of the subject site which will be slightly relocated.

### **Lot B**

The site has one shared access from the roundabout of North Outer 40 Road and another cross access from the west property where there is an existing gravel drive. The existing gravel drive connects to Lot C gravel parking area and Lot D.

### **Lot C**

The site has one existing access from North Outer 40 Road and a private road. The existing access connecting west side of Lot C (from North Outer 40 Road) is gravel drive that will be expanded to connect the two proposed parking areas of Lot C. There is also service gravel drive that will connect the two parking areas, west and middle parking areas. The third parking area on the east of Lot C is connected to the existing private road.

### **Lot D**

There is shared cross access easement between Lot C and Lot D. Lot D has one access from the existing gravel drive connected to the North Outer 40 Road.

## **Scale, Topography, Retaining Wall and Screening**

### **Lot A**

The site is relatively flat with no retaining wall proposed. There will be roof-top mechanical equipment that will be screened by 8 feet tall large format tile, which is also used for building elevation. Trash enclosure and transformer will be screened by landscaping.

### **Lot B, and Lot D**

Lot B and Lot D are relatively flat land. There are no changes proposed for Lot D, and partial parking for Lot A is proposed on Lot B. There are no retaining walls or screening proposed for these lots.

### **Lot C**

East side and the middle portion of Lot C is relatively flat land and the site sits nearly 20 feet lower than the existing Levee trail. The proposed gravel parking in this area will be flat with no rise in the finished surface elevation. The parking proposed on the west side of Lot C (facing I-64) will be raised to meet the requirement of 1 foot above Base Flood Elevation. The parking area height varies from 6 feet – 20 feet depending on the base contour level. Finished parking surface will be nearly 7 feet lower than the existing Levee trail.

There is proposed 7 feet high landscape berm on the north to screen the proposed parking area from I-64. Additionally, the berm and the west portion of parking area will have 12 feet high Thuja, green giant tree to screen the view of parking.

## **Materials and Color**

There are no buildings proposed on Lot B, Lot D, and Lot C. There is only 1500 square feet pavilion proposed on Lot C that will be of wood post and asphalt shingles.



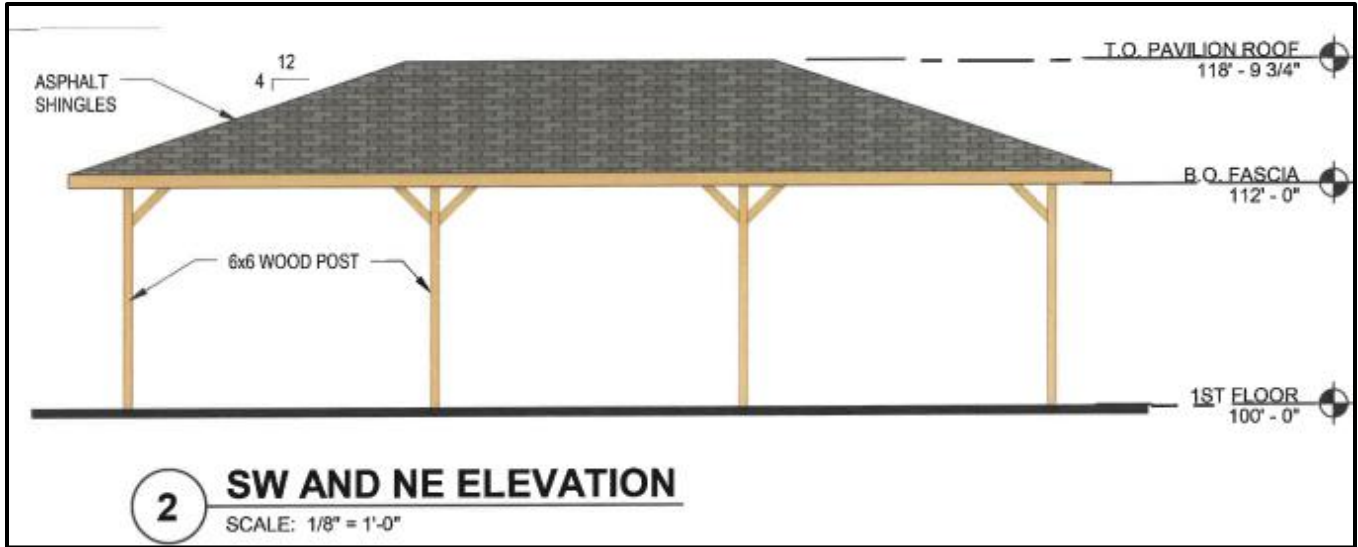


Figure 5: Proposed pavilion on Lot C

The proposed building on Lot A will be three-story, 60 feet high mixed-use building. There are three prominent building materials used for all four sides of the building elevations. The front elevation faces the North Outer 40 Road. The front façade consists of composite metal panel, large tile format, and storefront system. There is a patio proposed on the second floor, which will be outdoor dining area for proposed sit down restaurant. The third floor has the open terrace connected to the office use. The north elevation faces the existing Levee trail. The north and portion of west elevation has a porch to be used for restaurant dining area. There is a pergola proposed on the third floor. The Porch, and pergola will have concrete columns. Additionally, the first floor will have bike racks and sitting benches on the north side. The north side will connect to the existing Levee trail. A Trash enclosure is proposed on the north side of the parking area. Ground face CMU is proposed for trash enclosure.



Figure 6: Front (South) Elevation facing N Outer 40 Road



Figure 7: North side Elevation



Figure 8: East side elevation facing private road

### Lighting

The Lighting Plan is submitted for Lot A and portion of Lot B. There are four different types of parking light fixtures proposed for this development. There is no wall pack light proposed. All of the proposed light fixtures comply with City code.

There are no lights proposed for Lot C and Lot D.



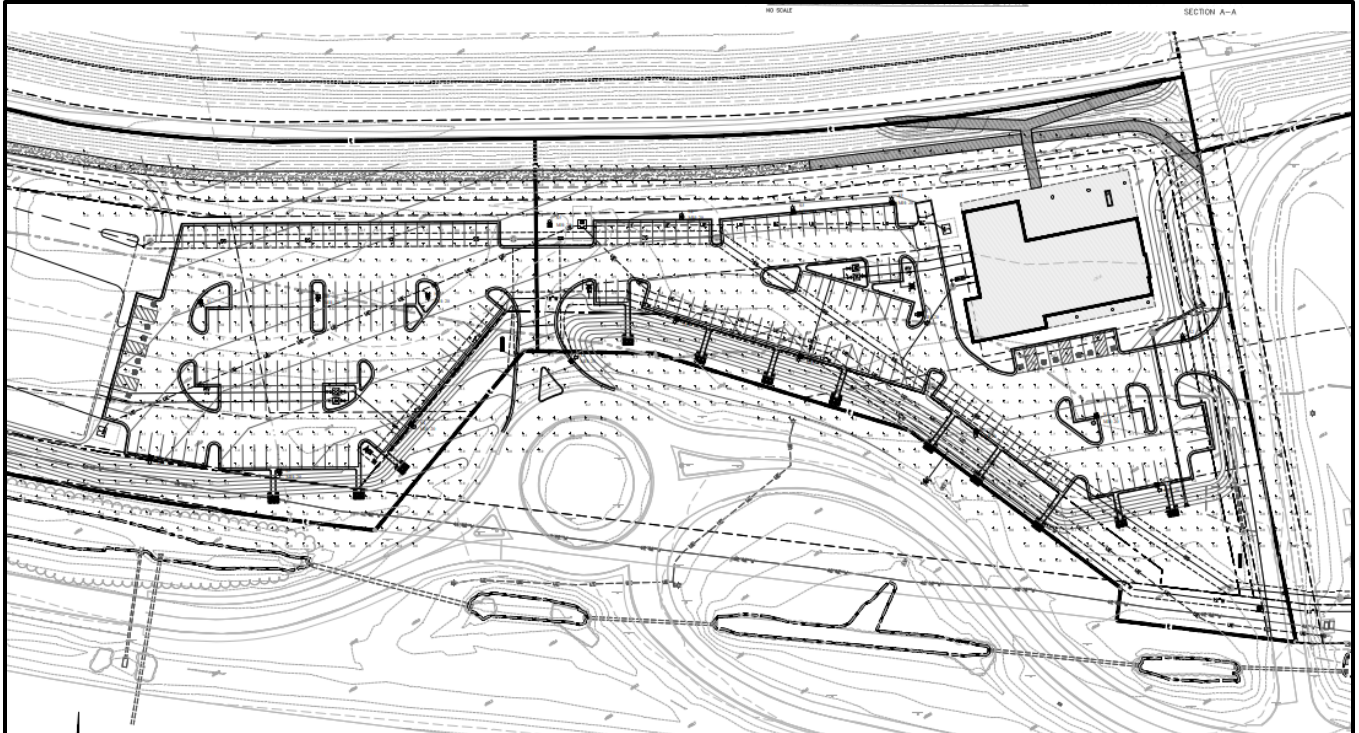


Figure 9: Lighting Plan

### Landscaping

Landscape Plan is submitted for Lot C, Lot A, and partial Lot B. The proposed landscape plan of Lot C includes 90 Thuja Green Giant trees on the west parking area. There is mix of shade trees, ornamental trees, and evergreen trees proposed for Lot A and B. The Proposed trash enclosure and transformer on Lot A will be screened by evergreen trees and shrubs. As required by the City of Chesterfield Unified Development Code, the site is required to have a 30' landscape buffer along the North Outer 40 Road, and applicant has depicted that on the plan.

The site will be preserving 88% of trees.

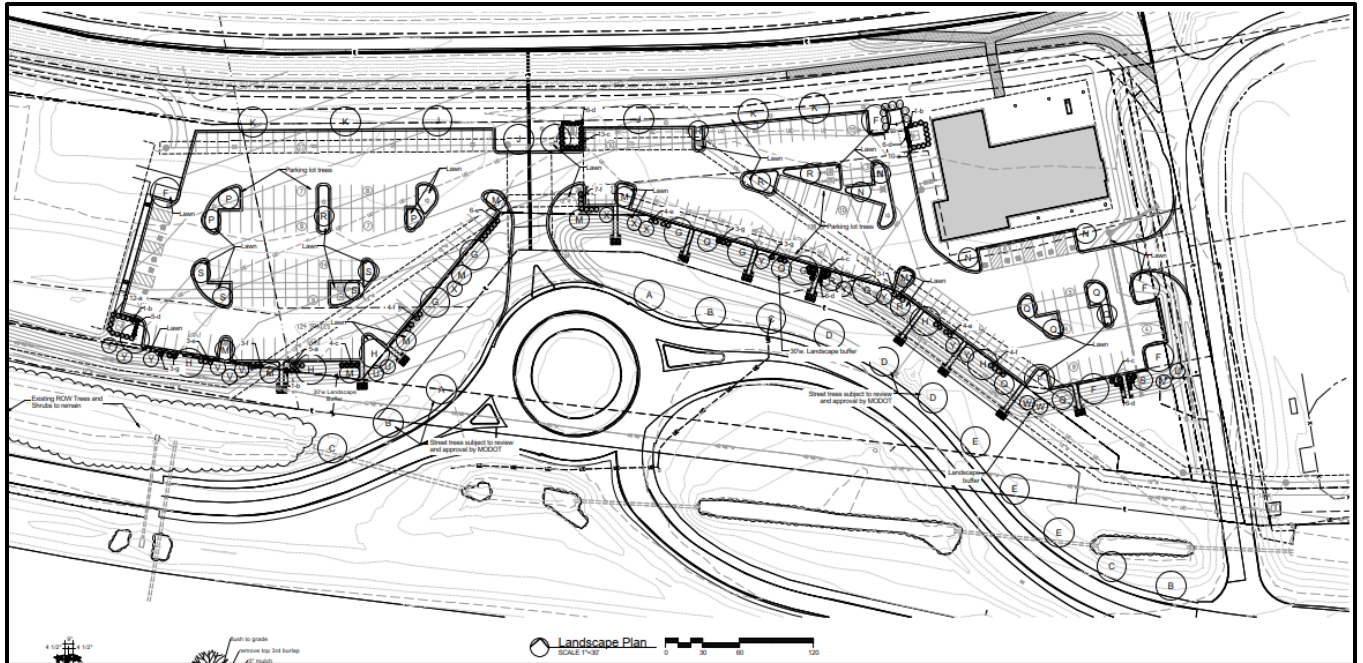


Figure 10: Proposed Landscape Plan for Lot A and B

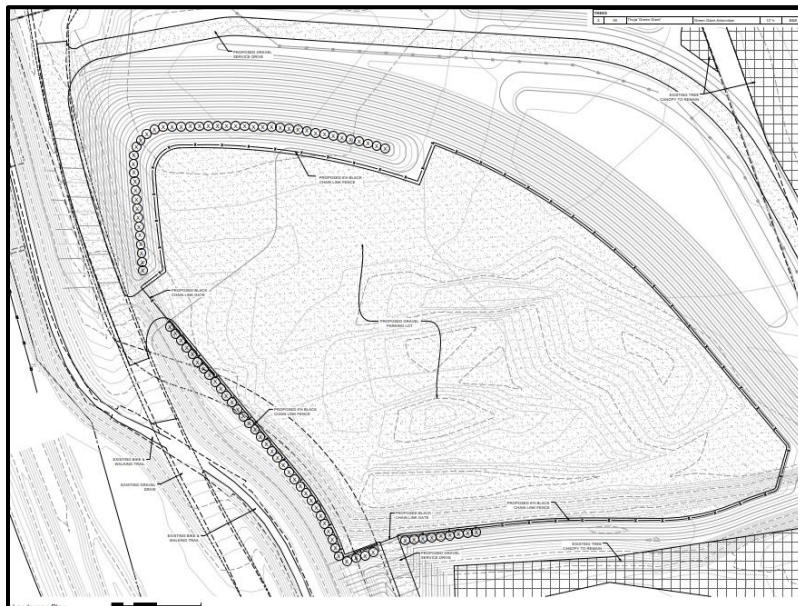


Figure 11: Proposed Landscape Plan for Lot C



**Rendering:**



*Figure 12: Aerial view looking West*



*Figure 13: Isometric View from south east corner*



Figure 14: View from North Outer 40 Road (Front View)

### **DEPARTMENTAL INPUT**

Be advised, this project is under review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed. All recommendations made by the ARB will be included in Staff's report to the Planning Commission. Applicant has also submitted Flood Study for the proposed development which is under review.

### **MOTION**

The following options are provided to the Architectural Review Board for consideration relative to this application:

- 1) "I move to forward the Site Development Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for 17955-18055 N Outer 40 Road, as presented, with a recommendation for approval (or denial)."
- 2) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for 17955-18055 N Outer 40 Road, with a recommendation for approval with the following conditions..."

### Attachments

1. Architectural Review Packet Submittal



April 24, 2024

Shilpi Bharti  
City Planner  
**City of Chesterfield**

**Re: The Contemporary Lodge**  
**TR,i Project #: 22-064**  
**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 this project.

**General requirements for site design:**

1. Site relationships: The proposed development is located north of North Outer 40 Road between the roundabout and the Chesterfield Valley Athletic Complex. The project is intended to support the Gateway Studios Campus. The Monarch Levee is located to the north of the proposed building. The adjacent parcel to the west is currently un-development. Parking for the development will all be surface parking.
2. Circulation system and access: The site organization emphasizes pedestrian connectivity to the Monarch-Chesterfield Levee Trail. There are two vehicular access points to the site. Full-service access from North Outer 40 Road is provided via access easement between the proposed site and the Chesterfield Valley Athletic Complex. Access is also available via the North Outer 40 Road roundabout to the west of the proposed structure. Visitors can arrive by car or via the Monarch-Chesterfield Levee Trail.
3. Topography: The existing topography slopes down approximately thirteen feet from the top of the levee south to North Outer 40 Road. Modifications to the grade are being proposed without the use of site retaining walls. Handicapped pedestrian accessibility will be provided throughout the improved areas of the site. 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 no buildings developed immediately adjacent to this site, but the proposed structure is consistent in size and scale of other developments located in Chesterfield Valley.
2. Design: The building design and finishes are coordinated on all sides. The project utilizes horizontal planes, masses, and glass to express a unique identity. This proposed mixed use building incorporates first floor commercial space, a second floor restaurant, and third floor amenity space for guests. Exterior patio spaces are incorporated on multiple levels connecting the interior space to the exterior. The first floor commercial space has a covered patio with paths that connect directly to the levee trail. The elevated patios on the north side of the second and third floors have views over the levee trail to a proposed lake and the natural landscape beyond.
3. Building materials: The high quality materials include Dekton large format tile, composite metal panel with faux core10 steel painted finish, a glass guardrail system, and black aluminum storefront with clear low-e glass.
4. 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.
5. Signage: It is understood that signage is reviewed separately.
6. Lighting: Site lighting is compliant with the City of Chesterfield lighting requirements. See photometric plan.

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



# SITE DEVELOPMENT PLAN

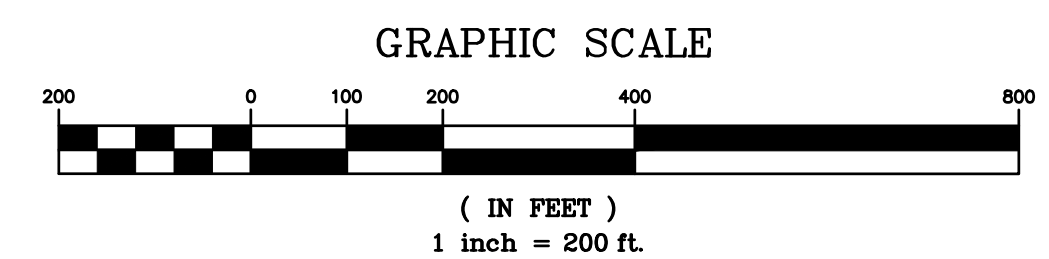
A TRACT OF LAND BEING PART OF U.S. SURVEYS 368 AND 371,  
TOWNSHIP 45 NORTH, RANGE 3 EAST OF THE 5TH PRINCIPAL MERIDIAN  
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

### ARMY CORPS OF ENGINEERS NOTES

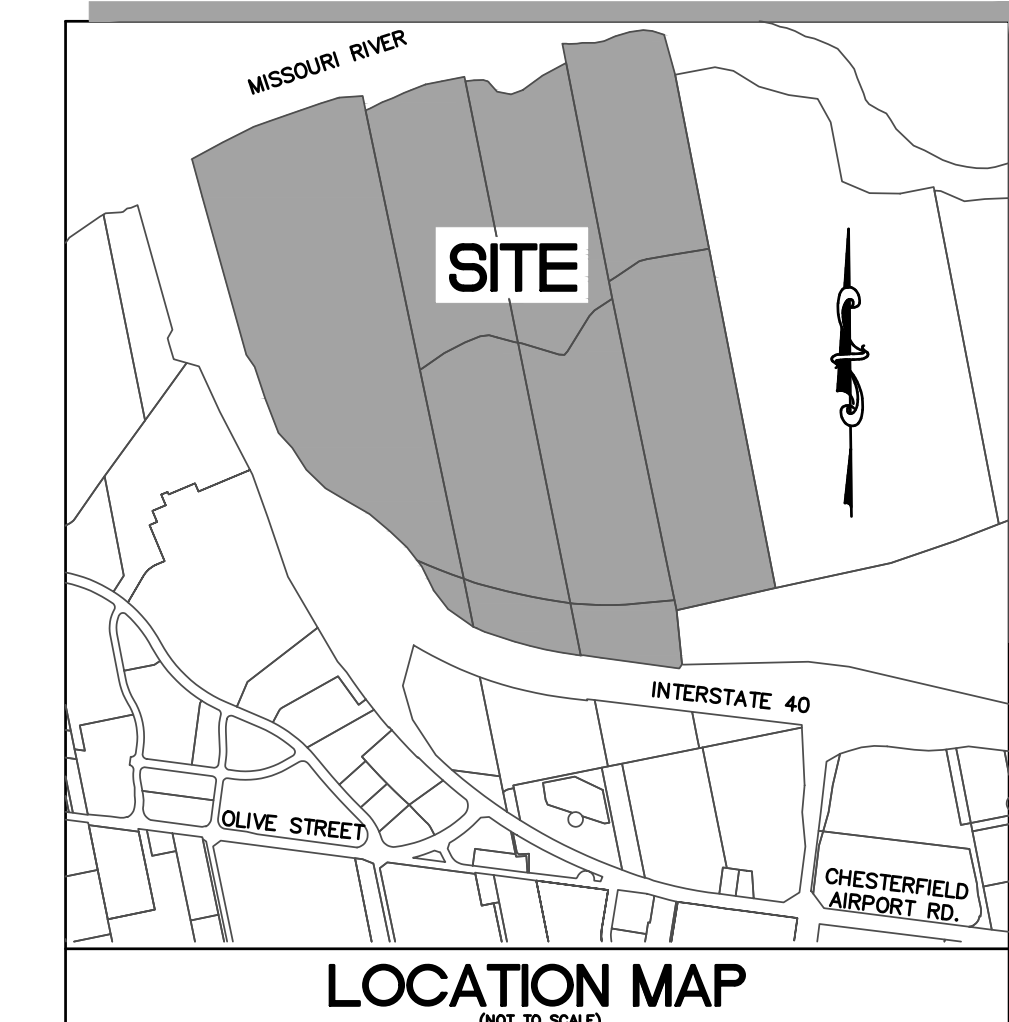
- CONCRETE FOUNDATIONS FOR GATE AND SIGN POSTS SHALL BE CAST IN PLACE DIRECTLY IN CONTACT WITH THE SOIL SIDES OF THE EXCAVATED HOLES.
- ANY DAMAGE TO THE TURF OR EMBANKMENT (E. RUTTING, ETC.) OF THE LEVEE SHALL BE RESTORED TO PRE-DEVELOPED CONDITIONS IN ACCORDANCE WITH THE LEVEE DISTRICT'S OMMR&R REQUIREMENTS AND/OR USACE SPECIFICATIONS. REFER TO IMPROVEMENT PLANS FOR ADDITIONAL INFORMATION AND SPECIFICATIONS.

### SITE INFORMATION

OWNER: GUMBO FLATS PROPERTIES, LLC  
ADDRESS: 17935, 17945, 17955, 17965, 17975, 17985, 17995, 18009, 18045 & 18055 N. OUTER 40 RD. CHESTERFIELD, MO 63005  
ZONING: "PC" PLANNED COMMERCIAL - ORD. NO. 3229, "PI" PLANNED INDUSTRIAL - ORD. NO. 2944, M3 & NU  
LOCATOR NO: 16V110077, 16W620025, 17W640035, 16W330022, 16W620036, 16W330011, 16W330021, 16W330022, 16W40041 R. 16W610015  
FIRE DISTRICT: MONARCH FIRE PROTECTION DISTRICT  
SCHOOL DISTRICT: ROCKWOOD  
SEWER DISTRICT: METROPOLITAN ST. LOUIS SEWER DIST.  
WATER SHED: MISSOURI RIVER  
FEMA MAP: 29189C0145K (02/04/2015)  
W/ LOMR NOV. 16, 2017 CASE NO. 17-07-0742P  
ELECTRIC COMPANY: AMEREN UE  
GAS COMPANY: SPIRE INC.  
PHONE COMPANY: AT&T  
WATER COMPANY: MISSOURI AMERICAN WATER COMPANY



SCALE: 1" = 200'



### SHEET INDEX

- SDSP 1.0 OVERALL SITE PLAN
- SDSP 2.0 SITE PLAN - LAKE AND AMENITIES NORTH OF LEVEE
- SDSP 3.0 SITE PLAN - SOUTH OF LEVEE (WEST)
- SDSP 4.0 SITE PLAN - SOUTH OF LEVEE (EAST)
- SDSP 5.0 PROPOSED LOT LAYOUT
- TSD TREE STAND DELINEATION
- TTP TREE PRESERVATION PLAN
- L1.01-L1.02 LANDSCAPE PLANS
- E1 PHOTOMETRIC PLAN
- ARCHITECTURAL ELEVATIONS

### PROPERTY DESCRIPTION

A tract of land being part U.S. Surveys 368 and 371 in Township 45 North, Range 3 East, of the Fifth Principal Meridian, City of Chesterfield, St. Louis County, Missouri, and being more particularly described as follows:  
Beginning at the northeast corner of Lot 1 of CVAC Consolidation Plat as recorded in Plat Book 569 Page 82 of said records; thence along the west line of said Consolidation Plat, South 11 degrees 19 minutes 32 seconds East, 381.54 feet, to the north right of way line of Interstate 64, variable width; thence the following courses and distances along said north line: North 83 degrees 05 minutes 28 seconds West, 138.18 feet; North 69 degrees 54 minutes 22 seconds East, 24.99 feet; North 53 degrees 19 minutes 19 seconds West, 201.50 feet; North 73 degrees 08 minutes 51 seconds West, 203.20 feet; North 83 degrees 05 minutes 28 seconds West, 100.51 feet; South 39 degrees 43 minutes 00 seconds West, 178.48 feet; North 83 degrees 05 minutes 28 seconds West, 65.50 feet to a curve to the right having a radius of 2,654.79 feet; and along said curve an arc distance of 820.49 feet with a chord which bears North 74 degrees 08 minutes 20 seconds West, 820.12 feet; to the east line of a tract of land conveyed to St. Charles Sand Company by Deed Book 6033 Page 294 of said records, being on the west line of Lot 3 of Nicholas Mueller Estate Plat Book 2 Page 25, of said records; thence continuing along said north right of way line North 55 degrees 56 seconds West, 225.12 feet; North 37 degrees 50 minutes 17 seconds West, 169.45 feet; North 45 degrees 52 minutes 41 seconds West, 153.99 feet; North 32 degrees 48 minutes 51 seconds West, 190.24 feet; North 42 degrees 07 minutes 09 seconds West, 148.45 feet to a curve to the right having a radius of 2,724.29 feet; along said curve an arc distance of 270.42 feet and a chord which bears North 18 degrees 31 minutes 12 seconds West, 270.31 feet; North 15 degrees 40 minutes 42 seconds West, 243.13 feet; North 41 degrees 19 minutes 10 seconds East, 110.92 feet; North 15 degrees 40 minutes 42 seconds West, 510.00 feet; North 74 degrees 19 minutes 18 seconds East, 10.00 feet; North 15 degrees 40 minutes 42 seconds West, 525.24 feet; to the South Bank of the Missouri River; thence the following courses and distances along the said South Bank of the Missouri River: North 48 degrees 31 minutes 28 seconds East, 335.26 feet; North 84 degrees 44 minutes 05 seconds East, 188.53 feet; South 78 degrees 34 minutes 45 seconds East, 325.04 feet; and North 62 degrees 10 minutes 34 seconds East, 523.22 feet; North 11 degrees 29 minutes 32 seconds East, 82.50 feet; North 65 degrees 23 minutes 45 seconds East, 37.11 feet; North 62 degrees 47 minutes 30 seconds East, 94.51 feet; North 68 degrees 35 minutes 56 seconds East, 82.36 feet; North 65 degrees 10 minutes 24 seconds East, 80.14 feet; North 68 degrees 22 minutes 42 seconds East, 163.07 feet; North 79 degrees 01 minutes 41 seconds East, 284.16 feet; South 11 degrees 24 minutes 32 seconds East, 34.97 feet; North 83 degrees 24 minutes 50 seconds East, 58.44 feet; North 88 degrees 18 minutes 53 seconds East, 70.75 feet; South 74 degrees 04 minutes 17 seconds East, 35.95 feet; South 41 degrees 30 minutes 31 seconds East, 90.33 feet; South 78 degrees 03 minutes 27 seconds East, 103.50 feet; North 70 degrees 59 minutes 53 seconds East, 90.88 feet; North 53 degrees 56 minutes 10 seconds East, 180.23 feet; North 60 degrees 58 minutes 57 seconds East, 207.00 feet; North 74 degrees 21 minutes 00 seconds East, 148.99 feet; North 78 degrees 44 minutes 30 seconds East, 201.51 feet; and North 80 degrees 23 minutes 26 seconds East, 305.33 feet; to the west line of a tract of land conveyed to The United States of America by Deed Book 14414 Page 674 of said records; thence along said west line, South 11 degrees 13 minutes 52 seconds East, 1,130.53 feet; to the north line of the above said lot 1; thence the following courses and distances along said north line: South 71 degrees 51 minutes 21 seconds West, 99.83 feet; South 77 degrees 38 minutes 25 seconds West, 342.39 feet; and South 78 degrees 11 minutes 31 seconds West, 294.24 feet to the POINT OF BEGINNING. Containing 12,657,441 square feet or 290.575 acres, more or less.

### FAR CALCULATION

- MAXIMUM FLOOR AREA RATIO (F.A.R.) OF 0.55 (PC ORD. #3229)
- NONE (PI ORD. #2944)

PROVIDED:  
LOT A "LODGE" F.A.R. = 0.17 (24,500 SF / 141,180 SF)  
FUTURE LOT B "STUDIO SUPPORT" F.A.R. = 0.23 (82,150 SF / 270,821 SF)

### OPEN SPACE

- MINIMUM 35.0% OPEN SPACE FOR EACH LOT, OPEN SPACE SHALL BE CALCULATED FROM THE SOUTH LINE OF THE 15' WIDE HIKING AND BIKING TRAIL EASEMENT, AS RECORDED IN BK. 20217, PGS. 2144-2203, (PC ORD. #3229)
- MINIMUM 35.0% OPEN SPACE FOR EACH LOT, (PI ORD. #2944)

PROVIDED:  
LOT A: 54.1% (76,407 SF / 141,180 SF)  
LOT B: 83.0% (224,686 SF / 270,821 SF)  
LOT C: 89.8% (10,809,860 SF / 11,810,040 SF)  
LOT D: 39.2% (170,914 SF / 435,600 SF)

### HEIGHT

- A MAXIMUM HEIGHT OF 65.0 FEET (PC ORD. #3229)
- A MAXIMUM HEIGHT OF 65.0 FEET, EXCLUSIVE OF ROOF SCREENING (PI ORD. #2944)

### BUILDING AND PARKING SETBACKS

- STRUCTURE SETBACKS:
- THIRTY (30) FEET FROM NORTH OUTER FORTY ROAD RIGHT-OF-WAY
  - THE SOUTH LINE OF LEVEE EASEMENTS AS RECORDED IN DB. 10348, PG. 306 & DB.10524, PG. 170B.
  - THIRTY-FIVE (35) FEET FROM EAST AND WEST BOUNDARY OF THIS PLANNED COMMERCIAL DISTRICT
- PARKING SETBACKS:
- THIRTY (30) FEET FROM NORTH OUTER FORTY ROAD RIGHT-OF-WAY
  - THE SOUTH LINE OF THE LEVEE EASEMENTS AS RECORDED IN DB. 10348, PG. 306 & DB.10524, PG. 170B.
  - THIRTY-FIVE (35) FEET FROM EAST AND WEST BOUNDARY OF THIS PLANNED COMMERCIAL DISTRICT
  - ONE HUNDRED TWENTY (120) FEET FROM THE NORTH LINE OF THE 15' WIDE HIKING AND BIKING TRAIL EASEMENT, AS RECORDED IN BK. 20217, PGS. 2144-2203
- PI. ORD. #2944:  
ZERO (0) FEET

### GEOTECHNICAL NOTE

CONTRACTOR SHALL READ THE GEOTECHNICAL FEASIBILITY STUDY MWT JOB NO. 15545 TITLED NORTH OUTER 40, CHESTERFIELD, MISSOURI, AS PREPARED BY MIDWEST TESTING (DAN BARCZYKOWSKI, P.E.) DATED 11/09/2022. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL THE RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL REPORT. THE GEOTECHNICAL REPORT, ANY ADDENDUMS OR ADDITIONAL RECOMMENDATIONS FROM THE GEOTECHNICAL ENGINEER ARE CONSIDERED PART OF THESE SPECIFICATIONS AND SHALL BE USED AS THE BASIS FOR CONSTRUCTION MEANS AND METHODS.

### DISCLAIMER:

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO FULFILL THE REQUIREMENTS OF 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 EXISTING NON-EXTENSIVE SIZE, TYPE, NUMBER, OR LOCATION OF THESE UTILITIES, 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 UNDERSIGNED FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLIANCE WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

| ABBREVIATIONS                        | LEGEND                    |
|--------------------------------------|---------------------------|
| ATG - ADJUST TO GRADE                | EXISTING SANITARY SEWER   |
| B.C. - BACK OF CURB                  | EXISTING STORM SEWER      |
| C.O. - CLEANOUT                      | EXISTING TREE             |
| DB. - DEED BOOK                      | EXISTING BUILDING         |
| E - ELECTRIC                         | EXISTING CONTOUR          |
| ELEV. - ELEVATION                    | SPOT ELEVATION            |
| EX. - EXISTING                       | EXISTING UTILITIES        |
| F.C. - FACE OF CURB                  | FOUND 1/2" IRON PIPE      |
| FL. - FLOWLINE                       | SET IRON PIPE             |
| FT. - FEET                           | FOUND CROSS               |
| FND. - FOUND                         | FOUND STONE               |
| G. - GAS                             | FOUND CREST               |
| H.W. - HIGH WATER                    | FOUND STONE               |
| LF. - LOW FLOW BLOCKED               | FIRE HYDRANT              |
| M.H. - MANHOLE                       | LIGHT STANDARD            |
| N/F. - NOW OR FORMERLY               | BUSH                      |
| P.B. - PLAT BOOK                     | SON                       |
| PG. - PAGE                           | NOTES PARKING SPACES      |
| PR. - PROPOSED                       | GUY WIRE                  |
| P.V.C. - POLYVINYL CHLORIDE PIPE     | POWER POLE                |
| R.C.P. - REINFORCED CONCRETE PIPE    | WATER VALVE               |
| R/W. - RIGHT-OF-WAY                  | DNOTES RECORD INFORMATION |
| SQ. - SQUARE                         | ACCESSIBLE PARKING        |
| T. - TELEPHONE CABLE                 | PROPOSED CONTOUR          |
| T.B.A. - TO BE ABANDONED             | PROPOSED SPOT             |
| T.R. - TO BE REMOVED                 | PROPOSED STORM            |
| T.R.&R. - TO BE REMOVED AND REPLACED | PROPOSED SANITARY         |
| TYP. - TYPICALLY                     | PROJECT BOUNDARY          |
| U.I.P. - USE IN PLACE                | FLOODWAY                  |
| U.O.N. - UNLESS OTHERWISE NOTED      |                           |
| V.C.P. - VITRIFIED CLAY PIPE         |                           |
| W. - WATER                           |                           |
| (86'W) - RIGHT-OF-WAY WIDTH          |                           |

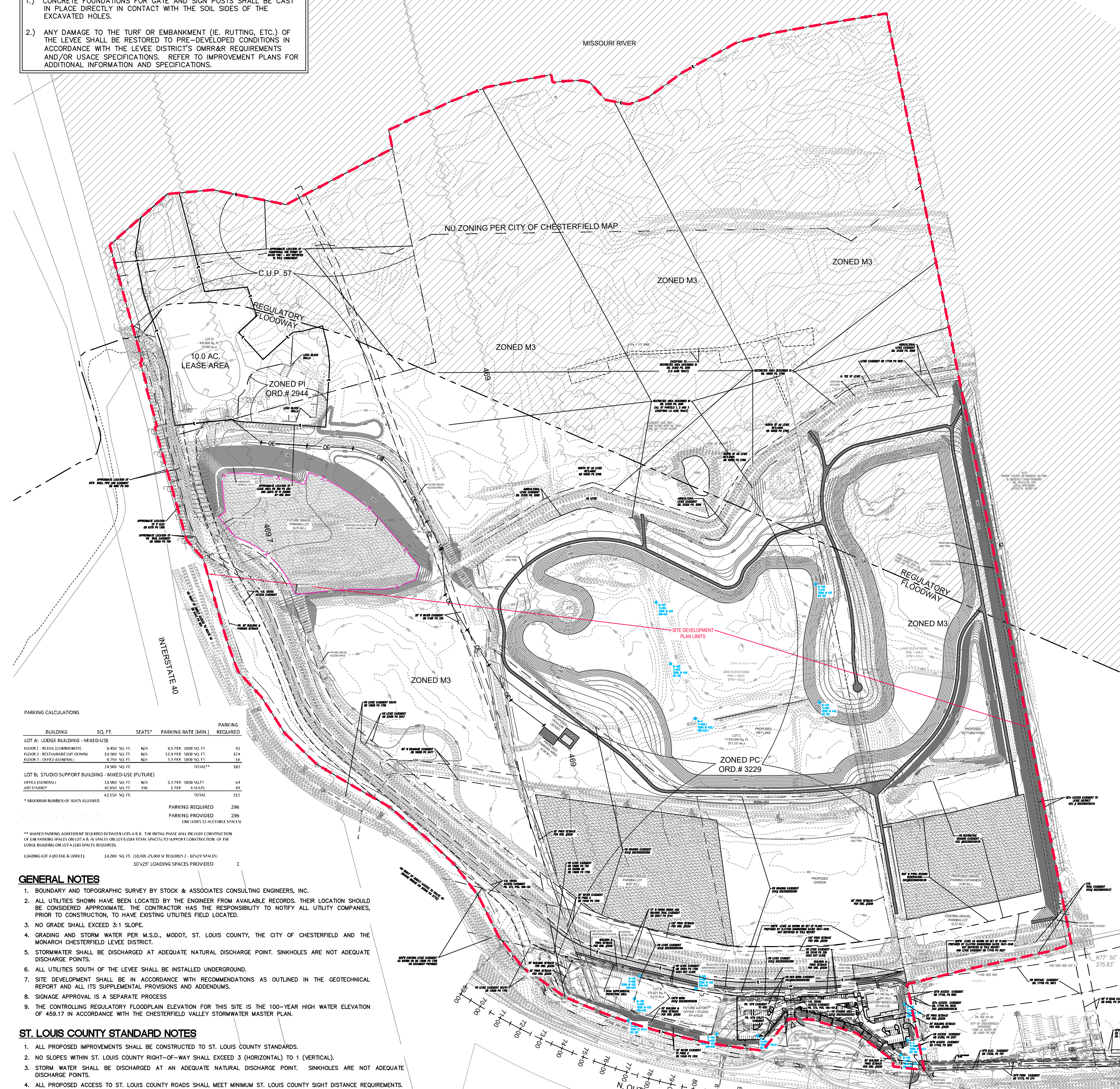
### FLOOD NOTE:

FLOOD PROPERTY LIES WITHIN FLOOD ZONE ZONE AE (BASE FLOOD ELEVATIONS DETERMINED, ELEV. +689.13-+689.95). FLOODWAY AREAS IN ZONE AE: FLOOD ZONE AE (FLOOD DEPTHS OF 1 TO 3 FEET, USUALLY AREAS OF PONDS; BASE FLOOD ELEVATIONS DETERMINED, ELEV. +660.) AND FLOOD ZONE X SHADDED AREAS OF 0.2% ANNUAL CHANCE FLOOD AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE, AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD ACCORDING TO THE NATIONAL FLOOD INSURANCE RATE MAP NUMBER 29189C0145K WITH AND EFFECTIVE DATE OF 02/04/2015 AND REVISOR TO REFLECT LOMR NOV. 16, 2017 CASE NO. 17-07-0742P; BY GRAPHICALLY PLOTTING.

### SITE BENCHMARK

ELEV. +68.84  
FIND CUT CROSS ON EASTERN MEDIAN ISLAND OF ROUNDABOUT AS SHOWN HEREON.

MoDOT LOCATE (314) 340-4100



| BUILDINGS   | SQ. FT.        | SEATS* | PARKING RATE (MIN)  | PARKING REQUIRED |
|---|----------------|--------|---------------------|------------------|
| LOT A: LODGE BUILDING - MIXED-USE                   |                |        |                     |                  |
| FLOOR 1 - REAR (COMMERCIAL)                         | 9,840 SQ. FT.  | N/A    | 4.5 PER 100 SQ. FT. | 43               |
| FLOOR 1 - RESTAURANT/CAFETERIA                      | 58,900 SQ. FT. | N/A    | 12 PER 100 SQ. FT.  | 124              |
| FLOOR 2 - OFFICE BUILDING                           | 4,700 SQ. FT.  | N/A    | 3 PER 100 SQ. FT.   | 14               |
| TOTAL   | 73,440 SQ. FT. |        |                     | 181              |
| LOT B: STUDIO SUPPORT BUILDING - MIXED-USE (FUTURE) | 24,900 SQ. FT. |        |                     | 103              |
| OFFICE (REAR)                                       | 13,900 SQ. FT. | N/A    | 3.5 PER 100 SQ. FT. | 64               |
| ART STUDIO  | 11,000 SQ. FT. | 116    | 1 PER 4,560 SQ. FT. | 19               |
| TOTAL   | 24,900 SQ. FT. |        |                     | 113              |
| * MAXIMUM NUMBER OF SEATS ALLOWED                   | 62,510 SQ. FT. |        |                     |                  |
| PARKING REQUIRED                                    | 286            |        |                     |                  |
| PARKING PROVIDED                                    | 286            |        |                     |                  |
| (ONE SPACES TO ACCESSIBLE SPACES)                   |                |        |                     |                  |

\*\* SHARED PARKING AGREEMENT REQUIRED BETWEEN LOTS A & B. THE INITIAL PHASE WILL INCLUDE CONSTRUCTION OF 800 PARKING SPACES (OR LOT A & B SPACES OR LOT C & B TOTAL SPACES) TO SUPPORT CONSTRUCTION OF THE LODGE BUILDING AND OFFICE BUILDINGS REQUIRED.  
LOADING LOT A (FUTURE & OFFICE) 24,900 SQ. FT. (10,000-25,000+ SQUARE FEET) 10'X25' LOADING SPACES PROVIDED 2

### 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., MODOU, 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 SOUTH OF THE LEVEE SHALL BE INSTALLED UNDERGROUND.
- SITE DEVELOPMENT SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL REPORT AND ALL ITS SUPPLEMENTAL PROVISIONS AND ADDENDUMS.
- SIGNAGE APPROVAL IS A SEPARATE PROCESS.
- THE CONTROLLING REGULATORY FLOODPLAIN ELEVATION FOR THIS SITE IS THE 100-YEAR HIGH WATER ELEVATION OF 459.17 IN ACCORDANCE WITH THE CHESTERFIELD VALLEY STORMWATER MASTER PLAN.

### 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 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 RESCROW 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.

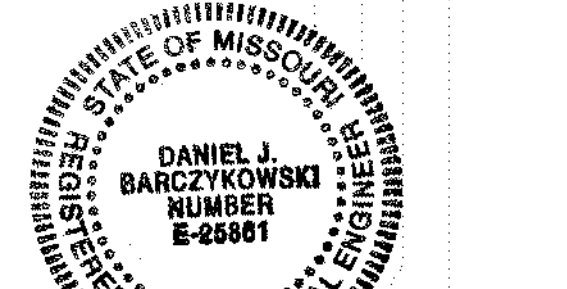
PREPARED FOR  
GUMBO FLATS PROPERTIES, LLC  
MR. JERRY KERR - MANAGER  
PHONE: (855) 332-4777

### GEOTECHNICAL STATEMENT

Midwest Testing, at the request of Stock & Associates, has provided Geotechnical Services for the project proposed hereon. Geotechnical recommendations were developed for this project, the findings of which indicated that the earth-related aspects are suitable for the development proposed hereon pursuant to the Geotechnical opinions and recommendations set forth in our December 21, 2022 report titled *Geotechnical Feasibility Study - Revised - MT Job No. 15545 - North Outer 40 - Chesterfield, Missouri*.

### MIDWEST TESTING

Daniel J. Barczykowski, P.E.  
Missouri Registration No. E-25861  
Date: December 21, 2023



### SURVEYOR'S CERTIFICATION

This is to certify that Stock and Associates Consulting Engineers, Inc. has prepared this Site Development 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

Walter J. Freyer, Missouri L.S. No. 2008000728

### ST. LOUIS COUNTY BENCHMARK

BENCHMARK#12507  
NAVD85 Elev. = 461.00  
Standard DNR aluminum disk stamped SL-38A situated in grassy area south of Chesterfield Airport Road and east of Chesterfield Industrial Boulevard, north of a bank addressed as #100 Chesterfield Industrial Boulevard, roughly 49 feet south of the centerline of Chesterfield Airport road, 78 feet east of the centerline of Chesterfield Industrial Boulevard, and 40.5 feet northeast of the northwest corner of the subdivision entrance monument for Chesterfield Industrial Park.

257 Chesterfield Business Parkway  
St. Louis, MO 63005 PH: (636) 500-9000 FAX: (636) 500-9000  
e-mail: general@stockandassociates.com  
Web: www.stockandassociates.com

PREPARED BY:  
**Stock & Associates**  
Consulting Engineers, Inc.

SITE DEVELOPMENT PLAN FOR:  
**CONTEMPORARY LODGE & WILDERNESS AREA**  
17935 - 18055 NORTH OUTER 40 ROAD  
CHESTERFIELD, MO 63005



05/17/2024

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

### REVISIONS:

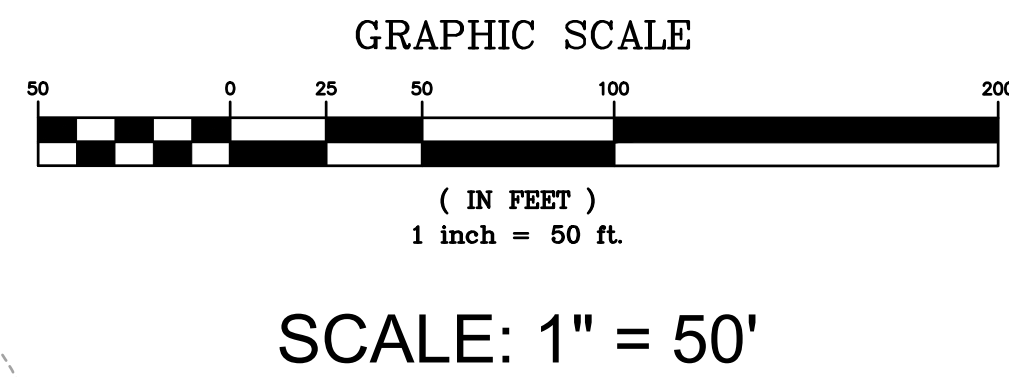
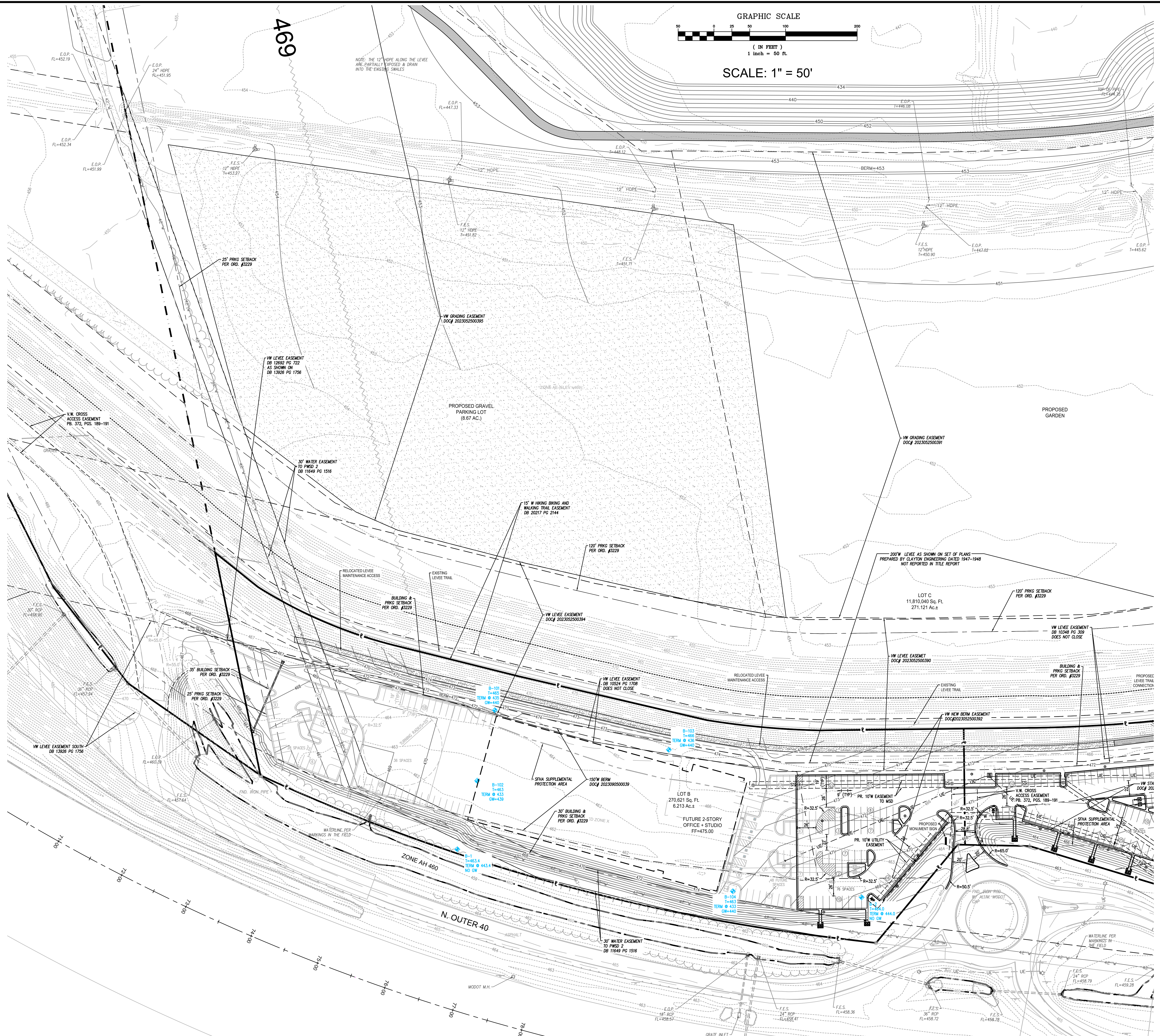
- 02/06/2024 - PROJECT LIMITS
- 02/13/2024 - USACE REV.
- 04/09/2024 - CITY COMMENTS
- 05/17/2024 - CITY COMMENTS

| DRAWN BY:      | CHECKED BY:       |
|----------------|-------------------|
| 01/12/2024     | 222-7282-1        |
| RES. #         | RES. #            |
| 16V, 16W & 17W |                   |
| S.L.C. MAT. #  | MAT. SUP. #       |
| M.D.N.R. #     |                   |
| SHEET TITLE:   | OVERALL SITE PLAN |
| SHEET NO.:     | SDP 1.0           |









469

NOTE: THE 12" HDPE ALONG THE LEVEE ARE PARTIALLY EXPOSED & DRAIN INTO THE EXISTING SWALES

PREPARED BY:

**STOCK & ASSOCIATES**  
 Consulting Engineers, Inc.  
 257 Chesterfield Business Parkway  
 St. Louis, MO 63005 PH: (636) 530-9300  
 5301-3001 FAX: (636) 530-9300  
 e-mail: general@stockassoc.com  
 Web: www.stockassoc.com

SITE DEVELOPMENT PLAN FOR:

**CONTEMPORARY LODGE & WILDERNESS AREA**

17935 - 18055 NORTH OUTER 40 ROAD  
 CHESTERFIELD, MO 63005



05/17/2024  
 GEORGE M. STOCK E-25116  
 CIVIL ENGINEER  
 CERTIFICATE OF AUTHORITY  
 NUMBER: 000996

REVISIONS:

|   |            |                  |
|---|------------|------------------|
| 1 | 02/06/2024 | - PROJECT LIMITS |
| 2 | 02/13/2024 | - USAGE REV.     |
| 3 | 04/09/2024 | - CITY COMMENTS  |
| 4 | 05/17/2024 | - CITY COMMENTS  |

|   |            |             |                |
|---|------------|-------------|----------------|
| DRAWN BY:   | GM.S.      | CHECKED BY: | GM.S.          |
| DATE:   | 01/12/2024 | JOB NO.:    | 222-7282.1     |
| RES. P. #   | RAE MAP 7  | BASE MAP:   | 16V, 16W & 17W |
| S.L.C. MAT #                                      |            | MAT SUP. #  |                |
| M.D.N.R. #  |            |             |                |
| SHEET TITLE:<br>SITE PLAN - SOUTH OF LEVEE (WEST) |            |             |                |
| SHEET NO.:<br>SDP 3.0                             |            |             |                |







SITE DEVELOPMENT PLAN FOR:  
**CONTEMPORARY LODGE & WILDERNESS AREA**  
17935 - 18055 NORTH OUTER 40 ROAD  
CHESTERFIELD, MO 63005



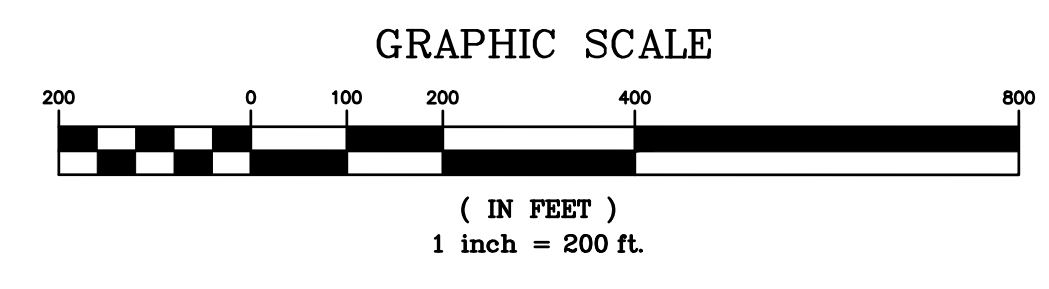
05/17/2024  
GEORGE M. STOCK E-25116  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 000996

REVISIONS:

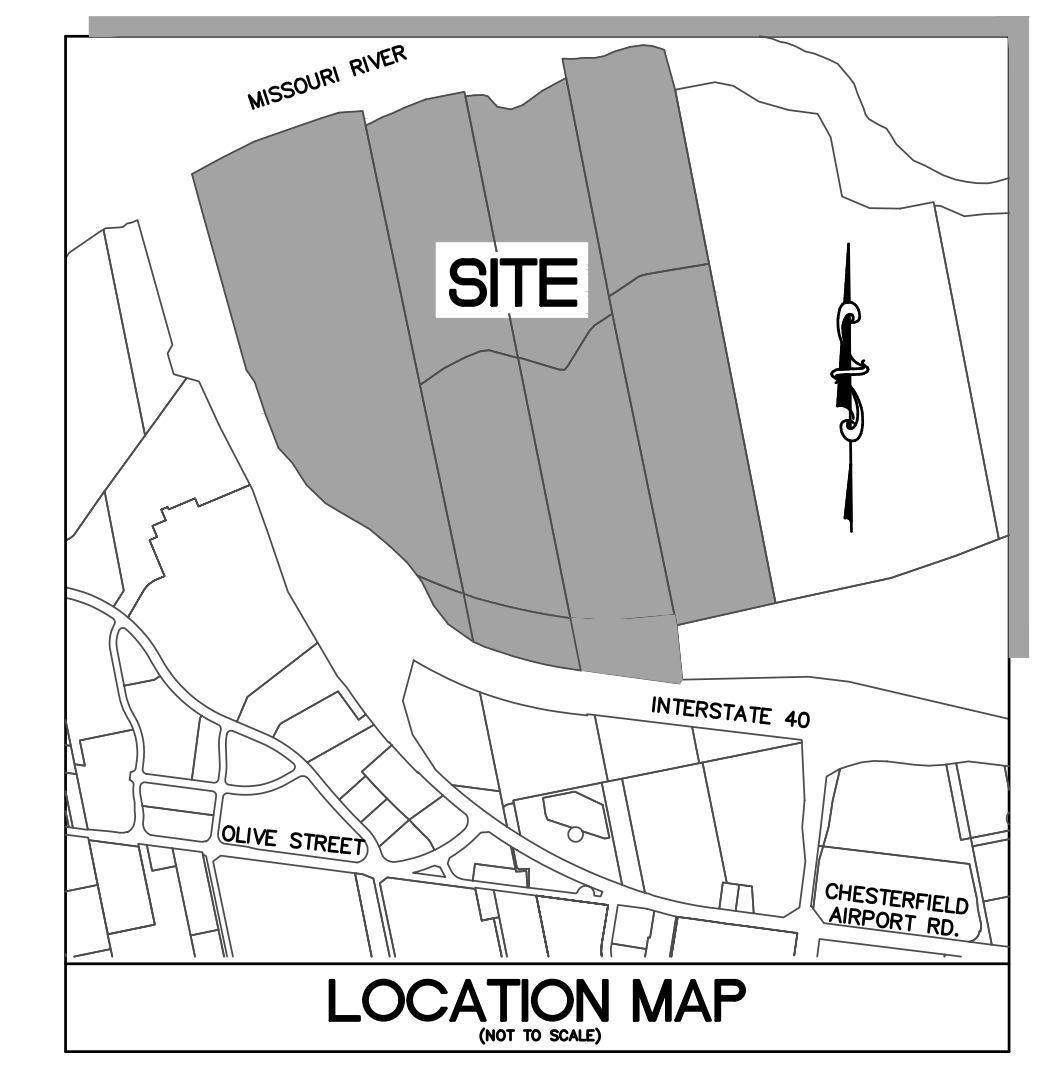
|   |            |                  |
|---|------------|------------------|
| 1 | 02/06/2024 | - PROJECT LIMITS |
| 2 | 02/13/2024 | - USACE REV.     |
| 3 | 04/09/2024 | - CITY COMMENTS  |
| 4 | 05/17/2024 | - CITY COMMENTS  |

|              |                |
|--------------|----------------|
| DRAWN BY:    | CHECKED BY:    |
| A.C.D.       | G.M.S.         |
| DATE:        | JOB NO.:       |
| 01/12/2024   | 222-7282.1     |
| REV. P #     | BASE MAP #     |
|              | 16V, 16W & 17W |
| S.L.C. MAT # | MAT SUP. #     |
|              |                |
| M.D.N.R. #   |                |

SHEET TITLE:  
PROPOSED LOT LAYOUT  
SHEET NO.:  
SDP 5.0



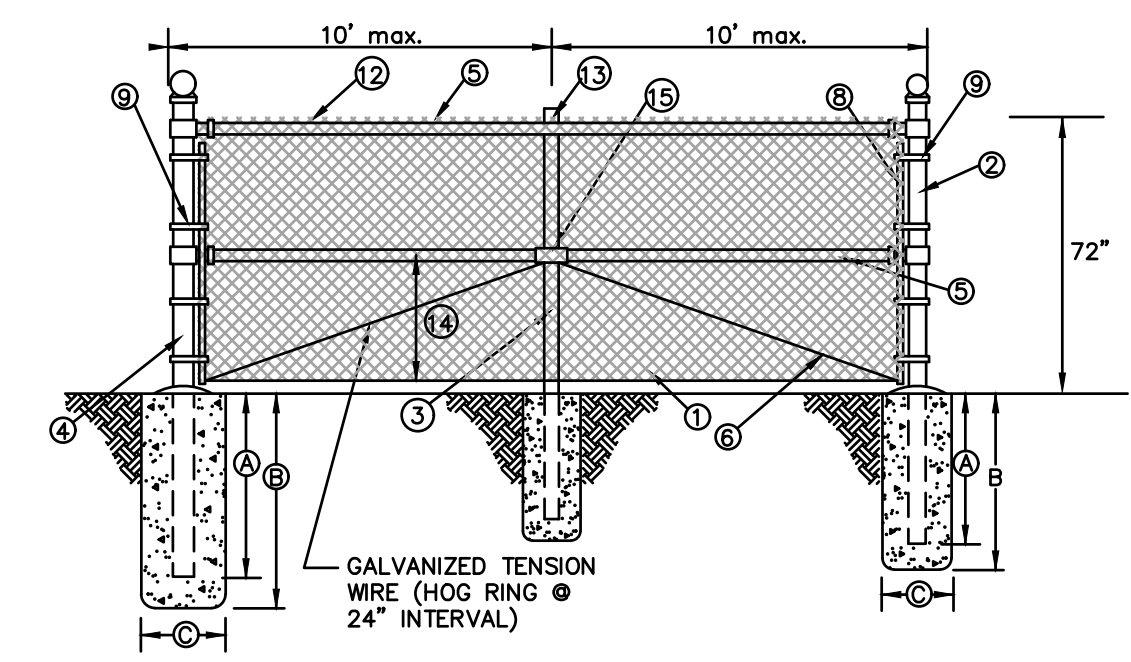
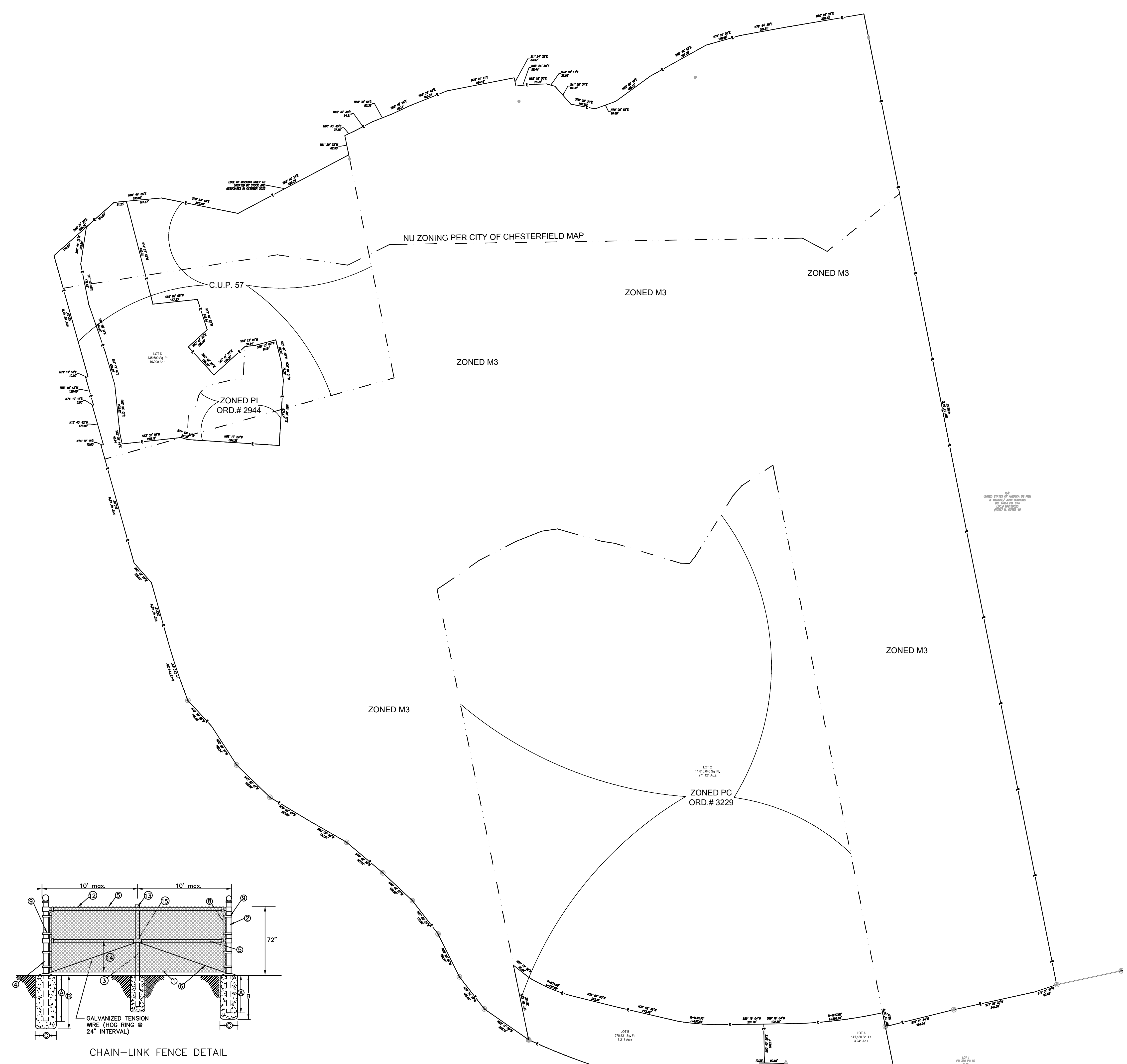
SCALE: 1" = 200'



LEGEND  
PR. PROPERTY LINES  
EX. ZONING LIMITS



WB-67 TRACTOR TRAILER TURNAROUND  
SCALE: 1" = 50'



CHAIN-LINK FENCE DETAIL

| DESCRIPTION                                     | HEIGHT OF FENCE    |       |
|---|--------------------|-------|
|   | SIZE               | #/FT. |
| 2 END CORNER & PULL POST                        | ROUND 2-1/2"       | 5.79  |
| 3 LINE POST                                     | (A) 36"            |       |
|   | (B) 42"x12"        | 3.65  |
| 4 GATE POST * (SINGLE GATE OR 1 LEAF OF DOUBLE) | ROUND 2"           | 3.26  |
|   | H-SECT. 5" x 1.89" | 3.26  |
| 5 TOP RAIL AND BRACE                            | (A) 36"            |       |
|   | (B) 42"x10"        | 18.97 |
| 6 TRUSS ROD                                     | 1-1/4"             | 2.27  |
| 7 GATE FRAME                                    | ALL WIDTHS 1-1/2"  | 2.72  |

- LEGEND
- FABRIC
  - END CORNER OR PULL POST
  - LINE POST
  - GATE POST
  - TOP RAIL & BRACE
  - TRUSS ROD
  - GATE FRAME
  - STRETCHER BAR - 1/4"x3/4" PL.
  - STRETCHER BAR BAND
  - END OR CORNER CLAMP
  - POST TOPS - OTHER THAN LINE POST
  - FABRIC TIES
  - LINE POST TOPS
  - 1/2 FABRIC HEIGHT
  - EXPANSION SLEEVE

- GENERAL NOTES:
- DO NOT SCALE DRAWING. FOLLOW DIMENSIONS.
  - MATERIAL SHALL BE BLACK VINYL COATED STEEL FENCING.
  - WEIGHTS OF MATERIALS SHOWN IN TABLE ARE FOR STEEL SIZES. SHOWN ARE APPLICABLE FOR ALL MATERIALS.
  - PULL POSTS SHALL BE USED AT SHARP BREAKS IN VERTICAL GRADE OR AT APPROXIMATE 500' CENTERS ON STRAIGHT RUNS OR AS DIRECTED BY THE ENGINEER.
  - DRILLED HOLES 'C' IN SOLID ROCK SHALL PROVIDE A DIAMETER OF NOT LESS THAN TWO INCHES GREATER THAN THE MAXIMUM TRANSVERSE DIMENSION OF THE POST SECTION.
  - ALTERNATE FOR TOP RAIL AND BRACE 5 MAY BE TUBULAR 1-5/8" O.D. (E.G.057) AT 1.35 POUNDS PER FOOT (TOLERANCE - .52" ± NO LIMIT).
  - CONCRETE FOR FOOTINGS SHALL BE CLASS B. A QUICK SETTING POLYURETHANE FOAM MAY BE USED IN LIEU OF CONCRETE FOR LINE POST OR LINE POST MAY BE DRIVEN AS SHOWN ON THE PLANS.
  - GATE STOPS AND THE DIRECTION OF SWING SHALL BE SHOWN ON THE PLANS.

PREPARED FOR:  
GUMBO FLATS PROPERTIES, LLC  
MR. JERRY KERR - MANAGER  
PHONE: (855) 332-4777

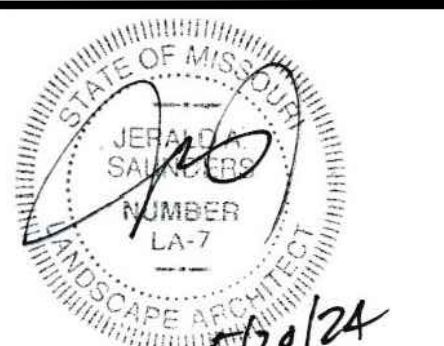


| Tree ID | Common Name       | DBH | Condition |
|---------|-------------------|-----|-----------|
| 4240    | Cottonwood        | 35  | 2         |
| 4241    | Cottonwood        | 24  | 2         |
| 4242    | Cottonwood        | 28  | 2         |
| 4243    | Cottonwood        | 33  | 2         |
| 4244    | Cottonwood        | 25  | 2         |
| 4245    | American sycamore | 30  | 2         |
| 4246    | Cottonwood        | 36  | 2         |
| 4247    | Cottonwood        | 30  | 2         |
| 4248    | Cottonwood        | 28  | 2         |
| 4249    | Cottonwood        | 25  | 2         |
| 4250    | Cottonwood        | 25  | 2         |
| 4251    | Silver maple      | 24  | 2         |
| 4252    | Cottonwood        | 30  | 2         |
| 4253    | Cottonwood        | 33  | 2         |
| 4254    | Cottonwood        | 37  | 2         |
| 4255    | Cottonwood        | 38  | 2         |
| 4256    | Cottonwood        | 28  | 2         |
| 4257    | Cottonwood        | 28  | 2         |
| 4258    | Cottonwood        | 35  | 2         |
| 4259    | Silver maple      | 28  | 2         |
| 4260    | Cottonwood        | 30  | 2         |
| 4261    | Cottonwood        | 24  | 2         |
| 4262    | Cottonwood        | 32  | 2         |
| 4263    | Cottonwood        | 32  | 2         |
| 4264    | Cottonwood        | 44  | 2         |
| 4265    | Silver maple      | 30  | 2         |
| 4266    | Cottonwood        | 32  | 2         |
| 4267    | Cottonwood        | 40  | 2         |
| 4268    | Cottonwood        | 32  | 2         |
| 4269    | Cottonwood        | 42  | 2         |
| 4270    | Cottonwood        | 40  | 2         |
| 4271    | Cottonwood        | 28  | 2         |
| 4272    | Cottonwood        | 28  | 2         |
| 4273    | Cottonwood        | 30  | 2         |
| 4274    | Cottonwood        | 42  | 2         |
| 4275    | Cottonwood        | 31  | 2         |
| 4276    | Cottonwood        | 57  | 2         |
| 4277    | Cottonwood        | 57  | 2         |
| 4278    | Cottonwood        | 30  | 2         |
| 4279    | Cottonwood        | 32  | 2         |
| 4280    | Cottonwood        | 33  | 2         |
| 4281    | Cottonwood        | 33  | 2         |
| 4282    | Cottonwood        | 28  | 2         |
| 4283    | Cottonwood        | 30  | 2         |
| 4284    | Silver maple      | 30  | 2         |
| 4285    | Cottonwood        | 30  | 2         |
| 4286    | Cottonwood        | 30  | 2         |
| 4287    | Cottonwood        | 30  | 2         |
| 4288    | Cottonwood        | 30  | 2         |
| 4289    | Cottonwood        | 33  | 2         |
| 4290    | Cottonwood        | 37  | 2         |
| 4291    | American sycamore | 30  | 2         |
| 4292    | Cottonwood        | 36  | 2         |
| 4293    | Cottonwood        | 54  | 3         |
| 4294    | Cottonwood        | 34  | 2         |
| 4295    | Cottonwood        | 38  | 3         |
| 4296    | Cottonwood        | 38  | 3         |
| 4297    | Cottonwood        | 30  | 3         |
| 4298    | Cottonwood        | 30  | 3         |
| 4299    | Cottonwood        | 35  | 3         |
| 4300    | Cottonwood        | 38  | 3         |
| 4301    | Cottonwood        | 38  | 3         |
| 4302    | Cottonwood        | 34  | 3         |
| 4303    | Cottonwood        | 30  | 3         |
| 4304    | Silver maple      | 30  | 3         |
| 4305    | Cottonwood        | 30  | 3         |
| 4306    | Cottonwood        | 30  | 3         |
| 4307    | Cottonwood        | 35  | 3         |
| 4308    | Cottonwood        | 38  | 3         |
| 4309    | Cottonwood        | 35  | 3         |
| 4310    | Cottonwood        | 35  | 3         |
| 4311    | American sycamore | 25  | 3         |
| 4312    | Cottonwood        | 30  | 3         |
| 4313    | Cottonwood        | 32  | 3         |
| 4314    | American sycamore | 34  | 2         |
| 4315    | American sycamore | 28  | 3         |
| 4316    | American sycamore | 24  | 3         |
| 4317    | Cottonwood        | 40  | 3         |
| 4318    | Cottonwood        | 26  | 3         |
| 4319    | Cottonwood        | 26  | 3         |
| 4320    | Cottonwood        | 29  | 3         |
| 4321    | Cottonwood        | 29  | 3         |
| 4322    | Cottonwood        | 26  | 3         |
| 4323    | Cottonwood        | 26  | 3         |
| 4324    | Cottonwood        | 26  | 3         |
| 4325    | Cottonwood        | 26  | 3         |
| 4326    | Cottonwood        | 26  | 3         |
| 4327    | Cottonwood        | 26  | 3         |
| 4328    | Cottonwood        | 26  | 3         |
| 4329    | Cottonwood        | 26  | 3         |
| 4330    | Cottonwood        | 26  | 3         |
| 4331    | Cottonwood        | 26  | 3         |
| 4332    | Cottonwood        | 26  | 3         |
| 4333    | Cottonwood        | 26  | 3         |
| 4334    | Cottonwood        | 26  | 3         |
| 4335    | Cottonwood        | 26  | 3         |
| 4336    | Cottonwood        | 26  | 3         |
| 4337    | Cottonwood        | 26  | 3         |
| 4338    | Cottonwood        | 26  | 3         |
| 4339    | Cottonwood        | 26  | 3         |
| 4340    | Cottonwood        | 26  | 3         |
| 4341    | Cottonwood        | 26  | 3         |
| 4342    | Cottonwood        | 26  | 3         |
| 4343    | Cottonwood        | 26  | 3         |
| 4344    | Cottonwood        | 26  | 3         |
| 4345    | Cottonwood        | 26  | 3         |
| 4346    | Cottonwood        | 26  | 3         |
| 4347    | Cottonwood        | 26  | 3         |
| 4348    | Cottonwood        | 26  | 3         |
| 4349    | Cottonwood        | 26  | 3         |
| 4350    | Cottonwood        | 26  | 3         |
| 4351    | Cottonwood        | 26  | 3         |
| 4352    | Cottonwood        | 26  | 3         |
| 4353    | Cottonwood        | 26  | 3         |
| 4354    | Cottonwood        | 26  | 3         |
| 4355    | Cottonwood        | 26  | 3         |
| 4356    | Cottonwood        | 26  | 3         |
| 4357    | Cottonwood        | 26  | 3         |
| 4358    | Cottonwood        | 26  | 3         |
| 4359    | Cottonwood        | 26  | 3         |
| 4360    | Cottonwood        | 26  | 3         |
| 4361    | Cottonwood        | 27  | 2         |
| 4362    | Cottonwood        | 24  | 2         |
| 4363    | American sycamore | 28  | 3         |
| 4364    | Cottonwood        | 30  | 2         |
| 4365    | Cottonwood        | 28  | 2         |

**Tree Condition Rating:**

|           |   |
|-----------|---|
| Excellent | 4 |
| Good      | 3 |
| Fair      | 2 |
| Poor      | 1 |
| Dead      | 0 |

Tree Stand Delineation Prepared  
under direction of:  
Brian Bage  
Certified Arborist MW- 5033A



Jerold Saunders - Landscape Architect  
MO License # LA-007

Consultants:



Existing woodland tree canopy consisting of primarily Cottonwood, Sycamore and Silver Maple (4"-30")  
Very sparse understory.

Existing woodland tree canopy consisting of primarily Cottonwood, Sycamore and Silver Maple (4"-30")  
Very sparse understory.

Existing woodland tree canopy consisting of primarily Cottonwood, some Sycamore and Silver Maple.  
Considerable small Box Elder and invasive honeysuckle.

**Contemporary Lodge & Wilderness Area**  
**Gumbo Flats**  
17935-18055 North Outer 40 Road  
Chesterfield, MO 63005

Revisions:

| Date    | Description   | No. |
|---------|---------------|-----|
| 4/5/24  | City Comments | 1   |
| 5/7/24  | City Comments | 2   |
| 5/20/24 | Plan Revision | 3   |

Drawn: KP  
Checked: RS

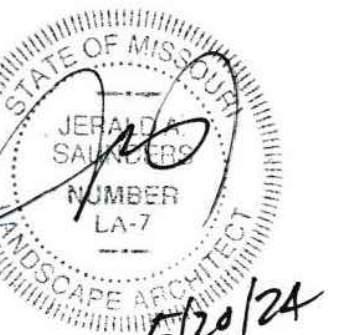
**LOOMIS ASSOCIATES**  
landscape architects + planners  
7890 North Outer 40 Road, Chesterfield, Missouri 63005  
t. 636-519-8668  
www.loomis-associates.com

|              |                              |
|--------------|------------------------------|
| Sheet Title: | Tree Stand Delineation North |
| Sheet No.:   | <b>TSD-1</b>                 |
| Date:        | 1/25/24                      |
| Job #:       | 813.026                      |



Total Site Area = 12,657,447 s.f. (290.58 acres)  
Woodland Tree Canopy Area = 5,156,054 s.f. (118.37 acres)





Jerold Saunders - Landscape Architect  
MO License # LA-007  
Consultants:

# Contemporary Lodge & Wilderness Area Gumbo Flats

17935 - 18055 North Outer Forty Drive  
Chesterfield, MO 63005

Revisions:

| Date    | Description   | No. |
|---------|---------------|-----|
| 4/5/24  | City Comments | 1   |
| 5/7/24  | City Comments | 2   |
| 5/20/24 | Plan Revision | 3   |

Drawn: KP  
Checked: RS



Loomis Associates, Inc.  
Missouri State Certificate of Authority # LAC #000019

Sheet Title: Tree Stand Delineation South

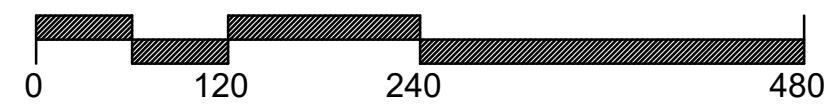
Sheet No: TSD-2

Date: 1/25/24  
Job #: 813.026



Existing woodland tree canopy consisting of primarily Cottonwood, some Sycamore and Silver Maple. Considerable small Box Elder and invasive honeysuckle.

Tree Stand Delineation  
SCALE 1"=120'



N. OUTER 40

ZONED M3

Match Line  
Match Line

ZONED PC  
ORD.# 3229

Existing levee  
and trail

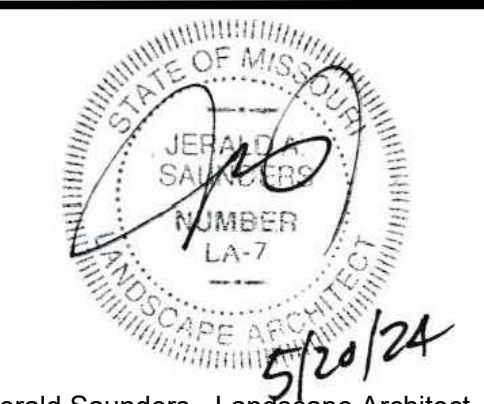
INTERSTATE 40



**Tree Condition Rating:**

|           |   |
|-----------|---|
| Excellent | 4 |
| Good      | 3 |
| Fair      | 2 |
| Poor      | 1 |
| Dead      | 0 |

Tree Preservation Plan Prepared under direction of:  
 Brian Bage  
 Certified Arborist MW- 5033A



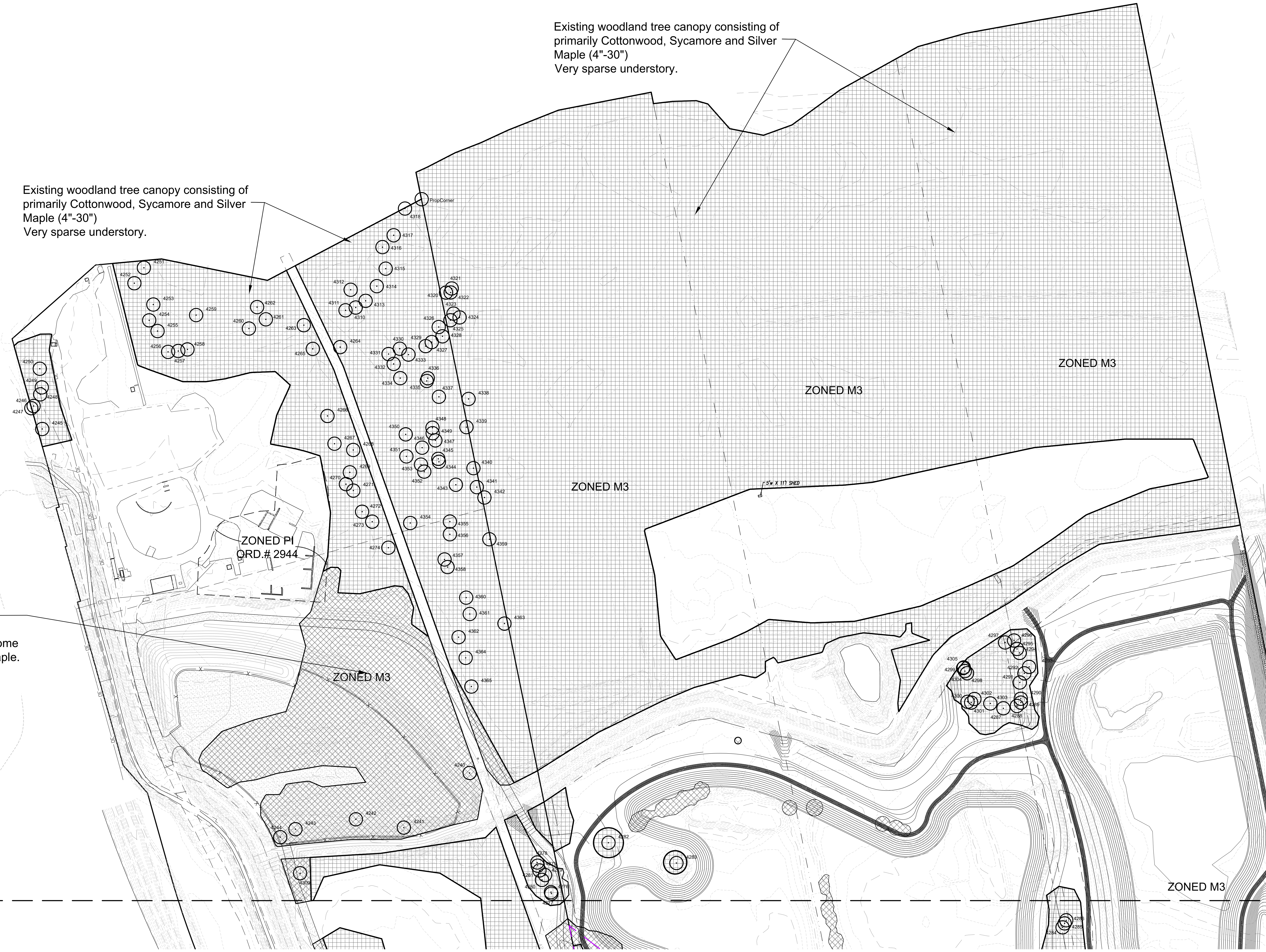
Jerold Saunders - Landscape Architect  
 MO License # LA-007

Consultants:

Existing woodland tree canopy consisting of primarily Cottonwood, Sycamore and Silver Maple (4"-30")  
 Very sparse understory.

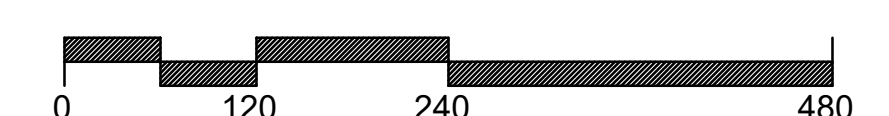
Existing woodland tree canopy consisting of primarily Cottonwood, Sycamore and Silver Maple (4"-30")  
 Very sparse understory.

Existing woodland tree canopy consisting of primarily Cottonwood, some Sycamore and Silver Maple. Considerable small Box Elder and invasive honeysuckle.



Match Line  
 Match Line

Tree Preservation Plan  
 SCALE 1"=120'



**Key:**

|  |   |
|--|---|
|  | Existing Tree Canopy Area To Be Removed |
|  | Existing Tree Canopy Area To Remain     |

|  |   |  |
|--|---|--|
| <b>Total Site Area</b>                         | = | 12,657,447 s.f. (290.58 acres)         |
| <b>Woodland Tree Canopy Area</b>               | = | 5,156,054 s.f. (118.37 acres)          |
| <b>Existing Tree Canopy Area To Be Removed</b> | = | 595,844 s.f. (13.68 acres) (11.6 %)    |
| <b>Existing Tree Canopy Area To Remain</b>     | = | 4,560,210 s.f. (104.69 acres) (88.4 %) |

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 t. 636-519-8668  
 www.loomis-associates.com

Loomis Associates, Inc.  
 Missouri State Certificate of Authority # LAC #000119

|              |                              |
|--------------|------------------------------|
| Sheet Title: | Tree Preservation Plan North |
| Sheet No.:   | <b>TPP-1</b>                 |
| Date:        | 1/25/24                      |
| Job #:       | 813.026                      |

**Contemporary Lodge & Wilderness Area**  
**Gumbo Flats**  
 17935-18055 North Outer 40 Road  
 Chesterfield, MO 63005



**Contemporary Lodge & Wilderness Area**
  
**Gumbo Flats**
  
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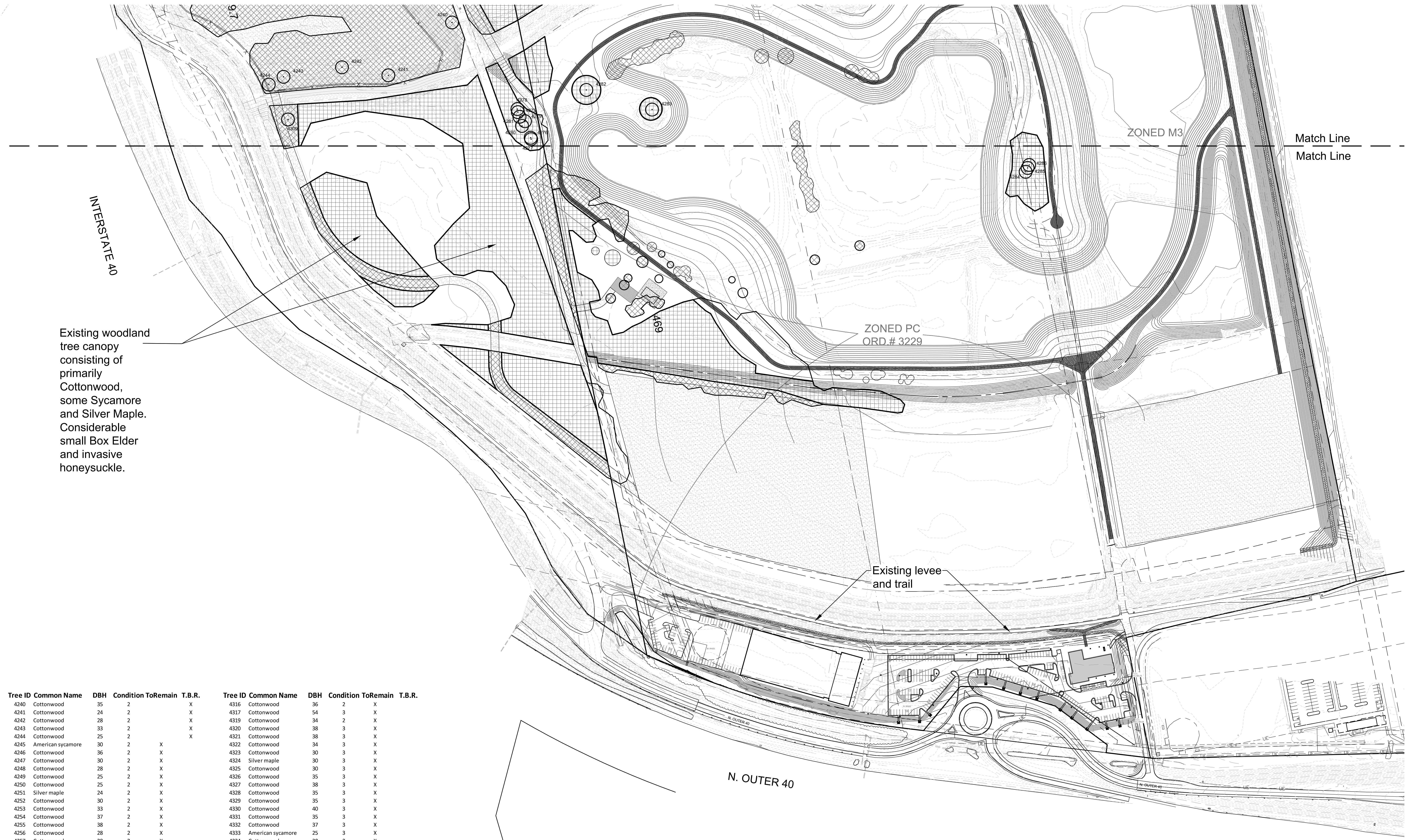
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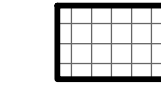

  
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|              |                               |
|--------------|-------------------------------|
| Sheet Title: | Tree Preservation Plan- South |
| Sheet No.:   | TPP-2                         |
| Date:        | 1/25/24                       |
| Job #:       | 813.026                       |

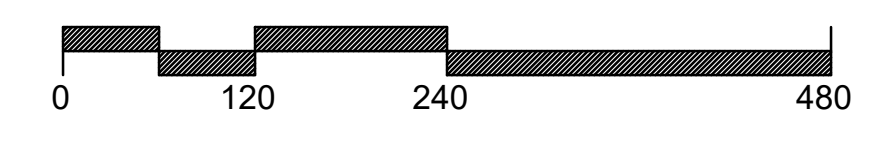


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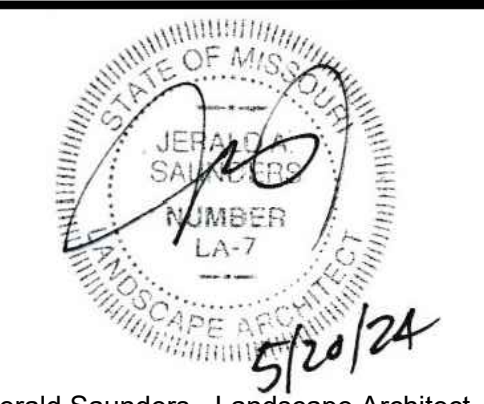
| Tree ID | Common Name       | DBH | Condition | ToRemain | T.B.R. | Tree ID | Common Name       | DBH | Condition | ToRemain | T.B.R. |
|---------|-------------------|-----|-----------|----------|--------|---------|-------------------|-----|-----------|----------|--------|
| 4240    | Cottonwood        | 35  | 2         | X        |        | 4316    | Cottonwood        | 36  | 2         | X        |        |
| 4241    | Cottonwood        | 24  | 2         | X        |        | 4317    | Cottonwood        | 54  | 3         | X        |        |
| 4242    | Cottonwood        | 28  | 2         | X        |        | 4319    | Cottonwood        | 34  | 2         | X        |        |
| 4243    | Cottonwood        | 33  | 2         | X        |        | 4320    | Cottonwood        | 38  | 3         | X        |        |
| 4244    | Cottonwood        | 25  | 2         | X        |        | 4321    | Cottonwood        | 38  | 3         | X        |        |
| 4245    | American sycamore | 30  | 2         | X        |        | 4322    | Cottonwood        | 34  | 3         | X        |        |
| 4246    | Cottonwood        | 36  | 2         | X        |        | 4323    | Cottonwood        | 30  | 3         | X        |        |
| 4247    | Cottonwood        | 30  | 2         | X        |        | 4324    | Silver maple      | 30  | 3         | X        |        |
| 4248    | Cottonwood        | 28  | 2         | X        |        | 4325    | Cottonwood        | 30  | 3         | X        |        |
| 4249    | Cottonwood        | 25  | 2         | X        |        | 4326    | Cottonwood        | 35  | 3         | X        |        |
| 4250    | Cottonwood        | 25  | 2         | X        |        | 4327    | Cottonwood        | 38  | 3         | X        |        |
| 4251    | Silver maple      | 24  | 2         | X        |        | 4328    | Cottonwood        | 35  | 3         | X        |        |
| 4252    | Cottonwood        | 30  | 2         | X        |        | 4329    | Cottonwood        | 35  | 3         | X        |        |
| 4253    | Cottonwood        | 33  | 2         | X        |        | 4330    | Cottonwood        | 40  | 3         | X        |        |
| 4254    | Cottonwood        | 37  | 2         | X        |        | 4331    | Cottonwood        | 35  | 3         | X        |        |
| 4255    | Cottonwood        | 38  | 2         | X        |        | 4332    | Cottonwood        | 37  | 3         | X        |        |
| 4256    | Cottonwood        | 28  | 2         | X        |        | 4333    | American sycamore | 25  | 3         | X        |        |
| 4257    | Cottonwood        | 28  | 2         | X        |        | 4334    | Cottonwood        | 30  | 3         | X        |        |
| 4258    | Cottonwood        | 35  | 2         | X        |        | 4335    | Cottonwood        | 28  | 2         | X        |        |
| 4259    | Silver maple      | 28  | 2         | X        |        | 4336    | Cottonwood        | 28  | 2         | X        |        |
| 4260    | Cottonwood        | 30  | 2         | X        |        | 4337    | Cottonwood        | 30  | 3         | X        |        |
| 4261    | Cottonwood        | 24  | 2         | X        |        | 4338    | American sycamore | 29  | 3         | X        |        |
| 4262    | Cottonwood        | 32  | 2         | X        |        | 4339    | American sycamore | 32  | 3         | X        |        |
| 4263    | Cottonwood        | 32  | 2         | X        |        | 4340    | American sycamore | 34  | 2         | X        |        |
| 4264    | Cottonwood        | 44  | 2         | X        |        | 4341    | American sycamore | 28  | 3         | X        |        |
| 4265    | Silver maple      | 30  | 2         | X        |        | 4342    | American sycamore | 24  | 3         | X        |        |
| 4266    | Cottonwood        | 32  | 2         | X        |        | 4343    | Cottonwood        | 40  | 3         | X        |        |
| 4267    | Cottonwood        | 40  | 2         | X        |        | 4344    | Cottonwood        | 26  | 3         | X        |        |
| 4268    | Cottonwood        | 32  | 2         | X        |        | 4345    | Cottonwood        | 26  | 2         | X        |        |
| 4269    | Cottonwood        | 42  | 2         | X        |        | 4346    | Cottonwood        | 29  | 3         | X        |        |
| 4270    | Cottonwood        | 40  | 2         | X        |        | 4347    | Cottonwood        | 29  | 3         | X        |        |
| 4271    | Cottonwood        | 28  | 2         | X        |        | 4348    | Cottonwood        | 32  | 3         | X        |        |
| 4272    | Cottonwood        | 28  | 2         | X        |        | 4349    | Cottonwood        | 26  | 3         | X        |        |
| 4273    | Cottonwood        | 30  | 2         | X        |        | 4350    | Cottonwood        | 28  | 3         | X        |        |
| 4274    | Cottonwood        | 42  | 2         | X        |        | 4351    | Cottonwood        | 26  | 3         | X        |        |
| 4275    | Cottonwood        | 31  | 2         | X        |        | 4352    | Cottonwood        | 29  | 3         | X        |        |
| 4276    | Cottonwood        | 57  | 2         | X        |        | 4353    | Cottonwood        | 25  | 3         | X        |        |
| 4277    | Cottonwood        | 57  | 2         | X        |        | 4354    | Cottonwood        | 28  | 3         | X        |        |
| 4278    | Cottonwood        | 30  | 2         | X        |        | 4355    | Cottonwood        | 26  | 3         | X        |        |
| 4279    | Cottonwood        | 32  | 2         | X        |        | 4356    | Cottonwood        | 26  | 3         | X        |        |
| 4280    | Cottonwood        | 33  | 2         | X        |        | 4357    | Cottonwood        | 26  | 3         | X        |        |
| 4281    | Cottonwood        | 33  | 2         | X        |        | 4358    | Cottonwood        | 26  | 3         | X        |        |
| 4309    | Cottonwood        | 28  | 2         | X        |        | 4359    | Cottonwood        | 29  | 2         | X        |        |
| 4310    | Cottonwood        | 30  | 2         | X        |        | 4360    | Cottonwood        | 30  | 2         | X        |        |
| 4311    | Cottonwood        | 30  | 2         | X        |        | 4361    | Cottonwood        | 27  | 2         | X        |        |
| 4312    | Cottonwood        | 30  | 2         | X        |        | 4362    | Cottonwood        | 24  | 2         | X        |        |
| 4313    | Cottonwood        | 33  | 2         | X        |        | 4363    | American sycamore | 28  | 3         | X        |        |
| 4314    | Cottonwood        | 33  | 2         | X        |        | 4364    | Cottonwood        | 30  | 2         | X        |        |
| 4315    | American sycamore | 30  | 2         | X        |        | 4365    | Cottonwood        | 28  | 2         | X        |        |

**Key:**
  
 Existing Tree Canopy Area To Be Removed
   
 Existing Tree Canopy Area To Remain

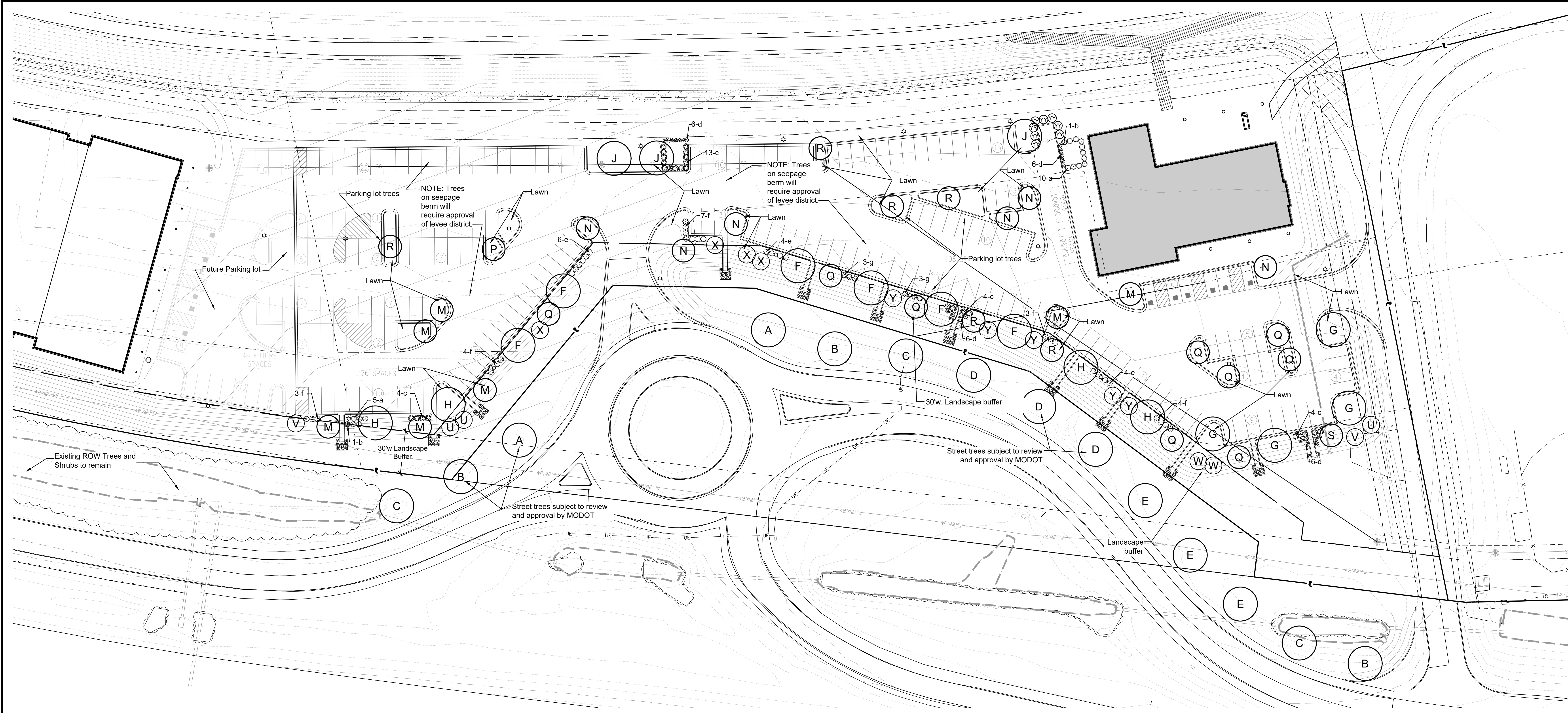
 **Tree Preservation Plan**
  
 SCALE 1"=120'



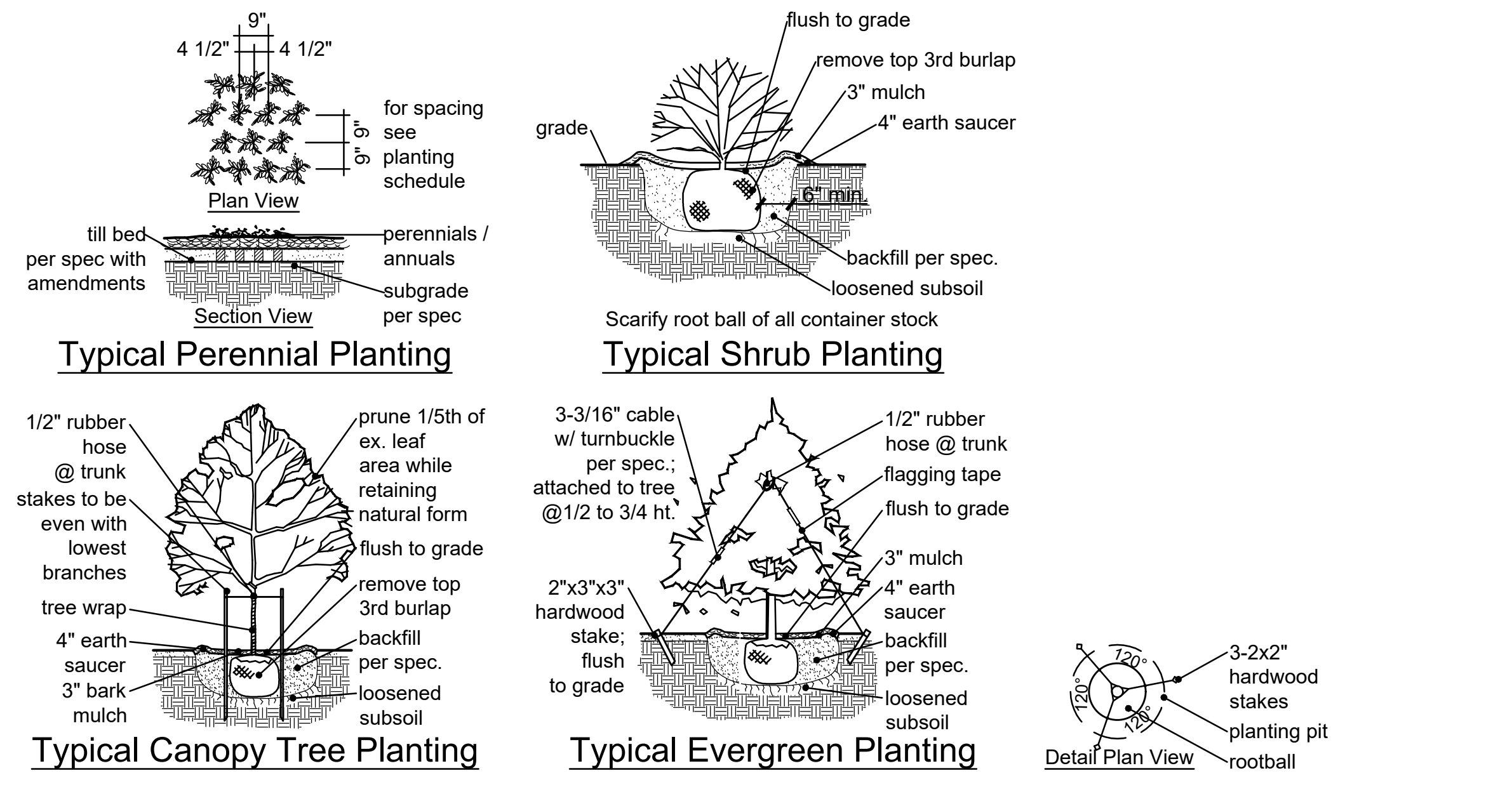




Jerold Saunders - Landscape Architect  
MO License # LA-007  
Consultants:



Landscape Plan  
SCALE 1"=30'



| ID                                     | QUANTITY | BOTANICAL NAME                                | COMMON NAME                    | SIZE         | REMARKS | SIZE / GROWTH RATE | GROWTH RATE % | MATURE HEIGHT |
|--|----------|---|--------------------------------|--------------|---------|--------------------|---------------|---------------|
| <b>CANOPY-SHADE (STREET) TREE</b>      |          |   |                                |              |         |                    |               |               |
| A                                      | 2        | <i>Ginkgo biloba</i> 'fastigiata'             | Columnar Ginkgo (male)         | 2.5" caliper | B & B   | Lg/M-Slow          | 2%            | 45+           |
| B                                      | 3        | <i>Nyssa sylvanica</i>                        | Blackgum                       | 2.5" caliper | B & B   | Med/Slow           | 4%            | 30+           |
| C                                      | 3        | <i>Acer x freemanii</i> 'Jeffersred'          | Autumn Blaze Maple             | 2.5" caliper | B & B   | Lg/M-Fast          |               | 45+           |
| D                                      | 3        | <i>Gleditsia triacanthos inermis</i> Skycoale | Skyline Honeylocust            | 2.5" caliper | B & B   | Lg/M-Fast          |               | 45+           |
| E                                      | 3        | <i>Quercus robur</i> 'fastigiata'             | English Oak                    | 2.5" caliper | B & B   | Lg/Med.            | 4%            | 45+           |
| <b>CANOPY-SHADE (PARKING LOT) TREE</b> |          |   |                                |              |         |                    |               |               |
| F                                      | 6        | <i>Syringa reticulata</i>                     | Japanese Tree Lilac            | 2.5" caliper | B & B   | Small/Med          | 7%            | 15-25         |
| G                                      | 4        | <i>Ginkgo biloba</i>                          | Ginkgo                         | 2.5" caliper | B & B   | Lg/Slow-M          | 5%            | 45+           |
| H                                      | 4        | <i>Gleditsia triacanthos</i>                  | Thornless Honeylocust          | 2.5" caliper | B & B   | Lg/Fast            |               | 45+           |
| J                                      | 3        | <i>Acer saccharum</i> 'Baillista'             | Fall Fiesta Sugar Maple        | 2.5" caliper | B & B   | Lg/Slow-M          | 4%            | 45+           |
| <b>UNDERSTORY-ORNAMENTAL TREE</b>      |          |   |                                |              |         |                    |               |               |
| M                                      | 7        | <i>Carpinus betulus</i> 'Frans Fontaine'      | Frans Fontaine Hornbeam        | 2.5" caliper | B & B   | Md/Slow-M          | 8%            | 35-40         |
| N                                      | 6        | <i>Prunus sargentii</i> 'Columnaris'          | Columnar Sargent Cherry        | 2.5" caliper | B & B   | Med/Med            | 7%            | 30-40         |
| P                                      | 1        | <i>Syringa reticulata</i> 'Ivory Silk'        | Ivory Silk Japanese Tree Lilac | 2.5" caliper | B & B   | Small/Med          | 1%            | 25-30         |
| Q                                      | 9        | <i>Magnolia x soulangiana</i>                 | Saucer Magnolia                | 2.5" caliper | B & B   | Md/Slow-M          | 10%           | 20-30         |
| R                                      | 6        | <i>Amelanchier arborea</i>                    | Downy Serviceberry             | 2.5" caliper | B & B   | Md/Slow-M          | 7%            | 25-30         |
| S                                      | 1        | <i>Cornus florida</i>                         | Flowering Dogwood              | 2.5" caliper | B & B   | Sm/Slow-M          | 1%            | 15-25         |
| <b>EVERGREEN TREE</b>                  |          |   |                                |              |         |                    |               |               |
| U                                      | 3        | <i>Picea abies</i>                            | Norway Spruce                  | 6' tall      | B & B   | Lg/Med             | 4%            | 45            |
| V                                      | 2        | <i>Juniperus virginiana</i>                   | Eastern Red Cedar              | 6' tall      | B & B   | Med/Med            | 2%            | 30-40         |
| W                                      | 2        | <i>Picea glauca</i>                           | White Spruce                   | 6' tall      | B & B   | Med/Med            | 2%            | 30-40         |
| Y                                      | 5        | <i>Pinus strobus</i>                          | Eastern White Pine             | 6' tall      | B & B   | Lg/Fast            |               | 50-80         |
| X                                      | 4        | <i>Thuja</i> 'Green Giant'                    | Green Giant Arborvitae         | 6' tall      | B & B   | Med/Fast           |               | 30            |
| YY                                     | 8        | <i>Thuja occidentalis</i> 'Smaragd'           | Emerald Green Arborvitae       | 6' tall      | B & B   | Sm/Fast            |               | 8-12          |

| ID  | QUANTITY | BOTANICAL NAME                            | COMMON NAME                    | SIZE | REMARKS   |
|---|----------|---|--------------------------------|------|-----------|
| <b>SHRUBS-ORNAMENTAL GRASSES-PERENNIALS-ANNUALS-GROUNDCOVER</b> |          |   |                                |      |           |
| a   | 15       | <i>Ilex x meservae</i> 'Mesog'            | China Girl Holly               | 24"  | Container |
| b   | 2        | <i>Ilex x meservae</i> 'Mesdob'           | China Boy Holly                | 24"  | Container |
| c   | 25       | <i>Viburnum trilobum</i> 'Bailey Compact' | Compact Am. Cranberry Viburnum | 24"  | Container |
| d   | 18       | <i>Miscanthus sinensis</i> 'Gracillimus'  | Maiden Grass                   | 24"  | Container |
| e   | 14       | <i>Weigela florida</i> 'Alexandra'        | Wine and Roses Weigela         | 24"  | Container |
| f   | 21       | <i>Buxus x</i> 'Green Velvet'             | Green Velvet Boxwood           | 24"  | Container |
| g   | 6        | <i>Cornus stolonifera</i> 'Farrow'        | Arctic Fire Red Twig Dogwood   | 24"  | Container |

- General Notes:**
- All new landscape shall be irrigated with an automatic underground sprinkler system per the City of Chesterfield Unified Code Section 04-02.
  - No proposed street trees shall be planted closer than three (3) feet to any curb per UDC.
  - No proposed street trees shall be planted closer than twenty-five (25) feet of streetlights, street signs, and intersections per UDC.
  - No street trees shall be planted within ten (10) feet of street inlets or manholes per UDC.
- Landscape Notes:**
- Lawn areas shall be turf-type Tall Fescue Grass; All 3:1 or steeper slopes shall be lawn seed and have erosion control blanket
  - Provide topsoil in all disturbed lawn areas at 6" depth
  - Provide soil mix in all shrub beds at 8" depth
  - All mulch to be double ground bark mulch
  - Bed edges to be spade cut
  - Provide underground irrigation system; zone lawns independent of shrub beds
  - Contractor to provide design-build irrigation drawings for review by Landscape Architect

Contemporary Lodge & Wilderness Area  
Gumbo Flats  
17935-18055 North Outer 40 Road  
Chesterfield, MO 63005

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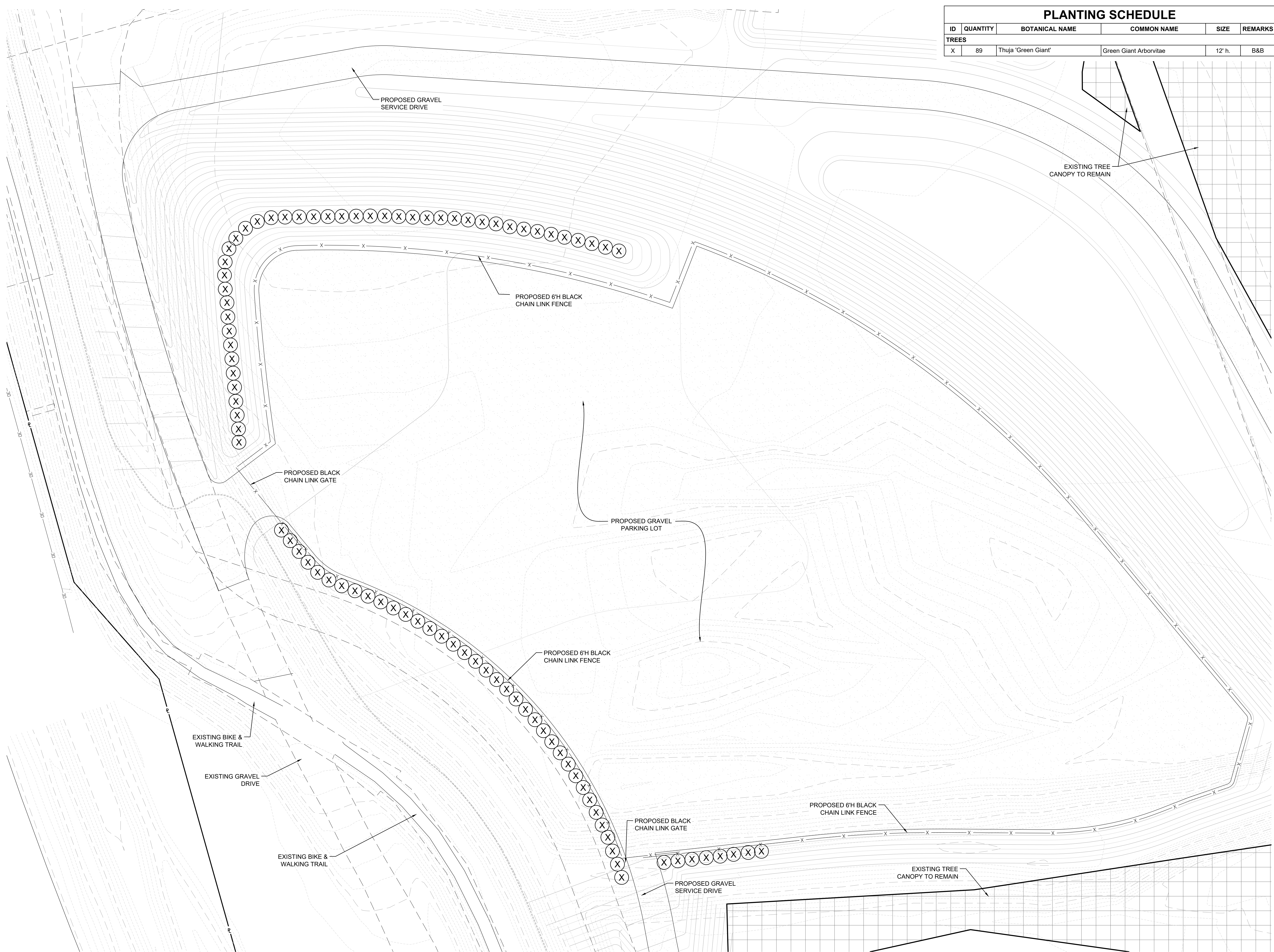
**LOOMIS ASSOCIATES**  
landscape architects + planners  
790 north 40 park drive, chesterfield, missouri 63005  
t. 636-519-8668  
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Sheet Title: SDSP Landscape Plan  
Sheet No: L1.01  
Date: 1/25/24  
Job #: 813.026



| PLANTING SCHEDULE |          |                     |                        |            |
|-------------------|----------|---------------------|------------------------|------------|
| ID                | QUANTITY | BOTANICAL NAME      | COMMON NAME            | REMARKS    |
| <b>TREES</b>      |          |                     |                        |            |
| X                 | 89       | Thuja 'Green Giant' | Green Giant Arborvitae | 12' h. B&B |


  
 Jerold Saunders - Landscape Architect  
 MO License # LA-007  
 Date: 5/20/24  
 Consultants:




 Landscape Plan  
 SCALE 1"=30'  


**Contemporary :Lodge & Wilderness Area**  
**Gumbo Flats**  
 17935 - 18055 North Forty Drive  
 Chesterfield, MO 63005

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 landscape architects + planners  
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 t. 636-519-8668  
 www.loomis-associates.com  
Loomis Associates, Inc.  
 Missouri State Certificate of Authority # LAC #000119

|              |                                   |
|--------------|-----------------------------------|
| Sheet Title: | Gravel Parking Lot Landscape Plan |
| Sheet No.:   | L1.02                             |
| Date:        | 1/25/24                           |
| Job #:       | 813.127                           |



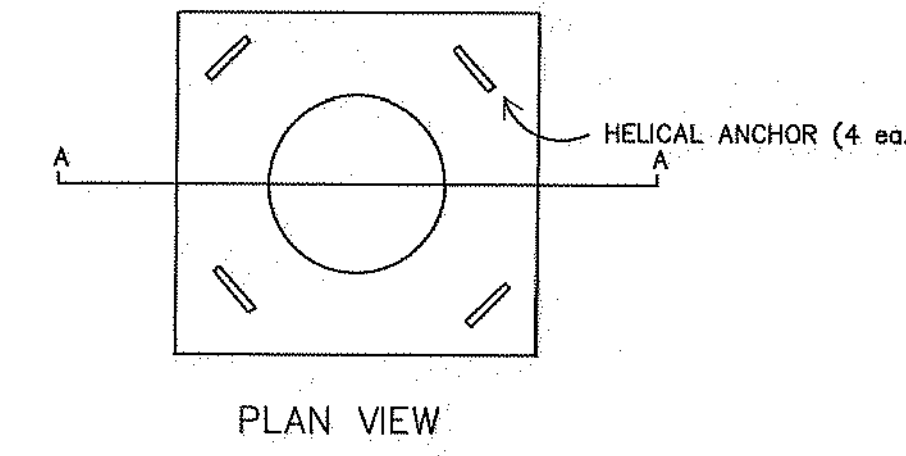
NOTE: FIXTURES MOUNTED AT 20' INCLUDING BASE

FIXTURES MOUNTED AT 20' INCLUDING BASE  
LIGHT LEVEL CALCULATED ON THE GROUND

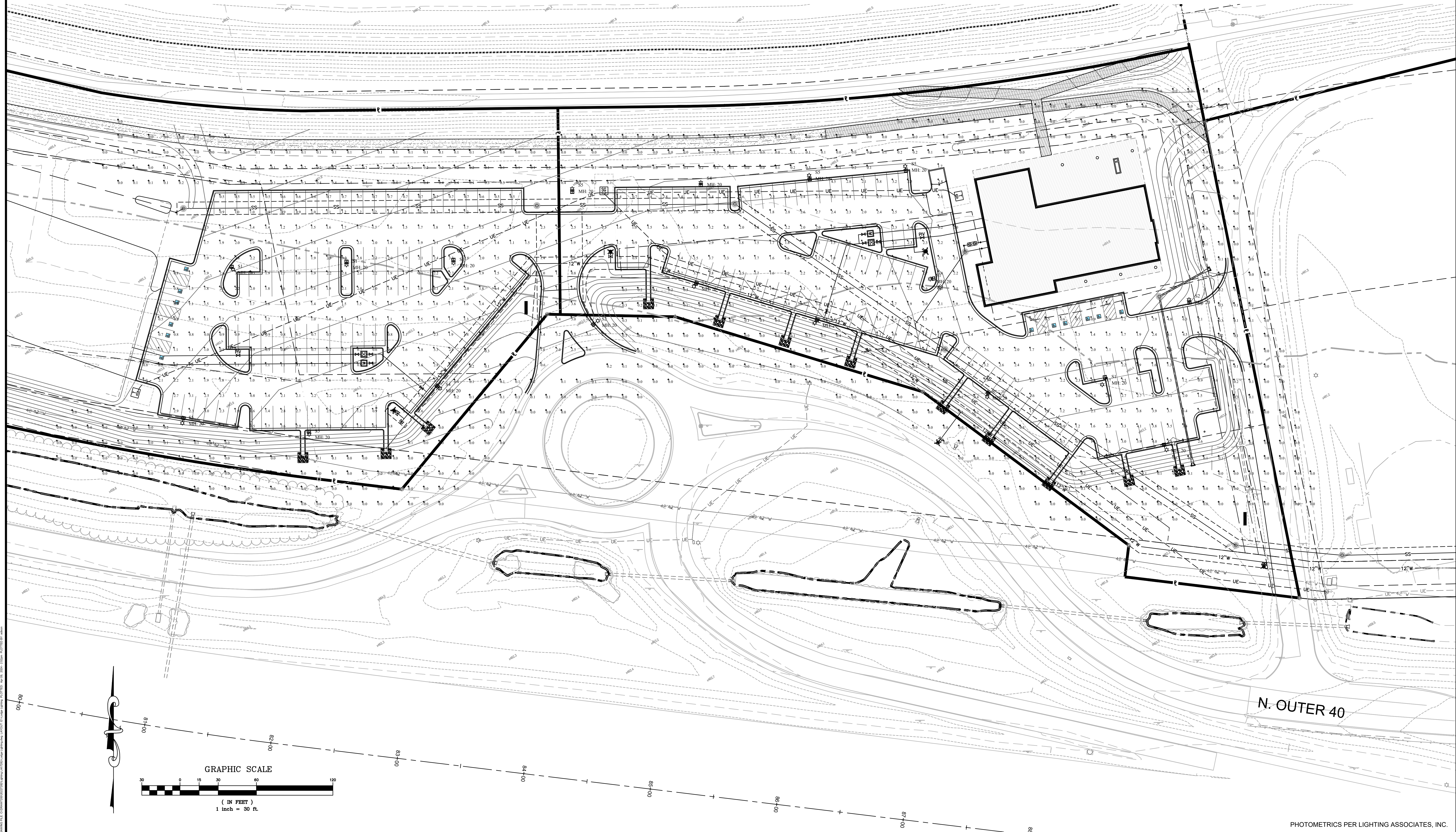
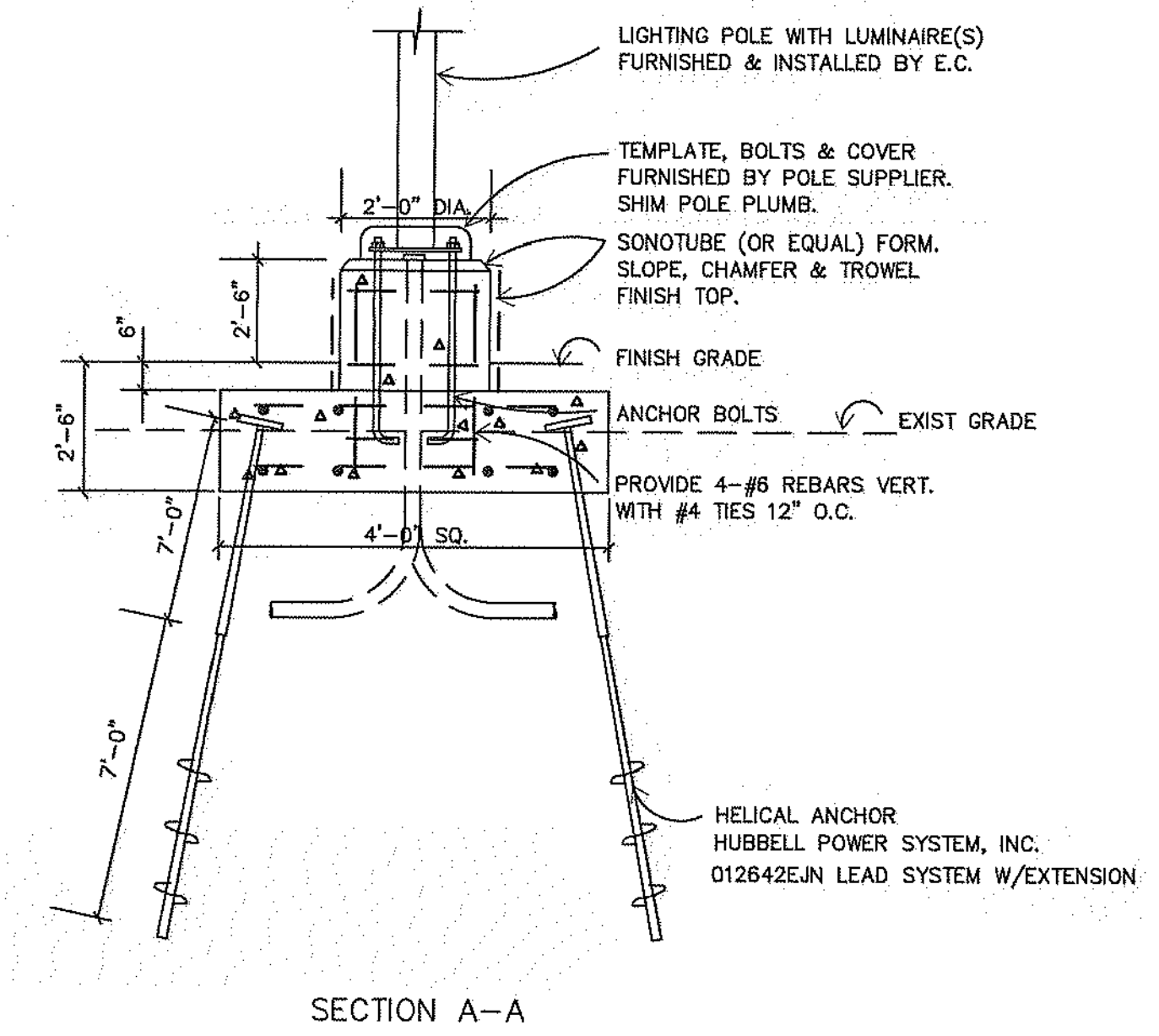
| Calculation Summary |             |       |      |     |     |         |         |
|---------------------|-------------|-------|------|-----|-----|---------|---------|
| Label               | CalcType    | Units | Avg  | Max | Min | Avg/Min | Max/Min |
| PARKING LOT         | Illuminance | Fc    | 1.89 | 6.3 | 0.5 | 3.8     | 12.6    |
| SPILL LIGHT         | Illuminance | Fc    | 0.06 | 0.6 | 0.0 | N.A.    | N.A.    |

| Luminaire Schedule |     |       |             |       |            |             |                          |
|--------------------|-----|-------|-------------|-------|------------|-------------|--------------------------|
| Symbol             | Qty | Label | Arrangement | LLF   | Lum. Watts | Total Watts | Description              |
| ⊕                  | 5   | S1    | Single      | 1.000 | 125        | 625         | GALN-SA2D-740-U-5WQ      |
| ⊕                  | 2   | S2    | Single      | 1.000 | 82         | 164         | GALN-SA2B-740-U-SLR      |
| ⊕                  | 5   | S4    | Single      | 1.000 | 125        | 625         | GALN-SA2D-740-U-T4W-HSS  |
| ⊕                  | 6   | S5    | Single      | 1.000 | 125        | 750         | GALN-SA2D-740-U-T4FT-HSS |

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 PREVIOUSLY MENTIONED, WILL VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.



LIGHT STANDARD FOUNDATION DETAIL  
NO SCALE



PREPARED BY:



SITE DEVELOPMENT PLAN FOR:

CONTEMPORARY LODGE & WILDERNESS AREA

17935 - 18055 NORTH OUTER 40 ROAD  
CHESTERFIELD, MO 63005



04/09/2024  
GEORGE M. STOCK E-25116  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 000996

REVISIONS:

|   |            |                  |
|---|------------|------------------|
| 1 | 02/06/2024 | - PROJECT LIMITS |
| 2 | 02/13/2024 | - USACE REV.     |
| 3 | 04/09/2024 | - CITY COMMENTS  |

|            |            |             |                |
|------------|------------|-------------|----------------|
| DRAWN BY:  | A.C.D.     | CHECKED BY: | G.M.S.         |
| DATE:      | 01/12/2024 | JOB NO.:    | 222-7282.1     |
| REG. P. #  |            | BASE MAP #  | 16V, 16W & 17W |
| SLC. MAT # |            | MAT SUP. #  |                |
| M.D.N.R. # |            |             |                |

SHEET TITLE:  
SITE PHOTOMETRIC PLAN

SHEET NO.:  
E1



|             |  |           |  |      |  |
|-------------|--|-----------|--|------|--|
| Project     |  | Catalog # |  | Type |  |
| Prepared by |  | Notes     |  | Date |  |



# McGraw-Edison

## GALN Galleon II

Area / Site Luminaire

### Product Features



### Product Certifications



### Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 11](#)

### Quick Facts

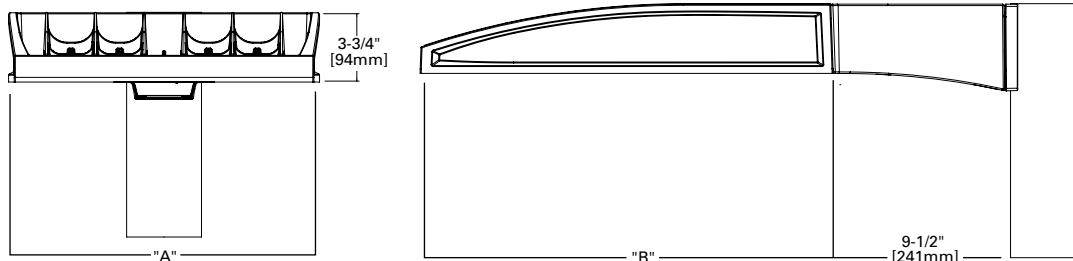
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 17 optical distributions
- Efficacy up to 159 lumens per watt

### Connected Systems

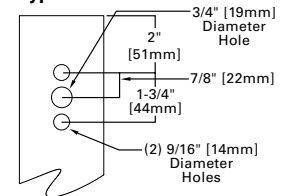
- WaveLinx Lite
- WaveLinx

### Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern  
Type "N"



| Number of Light Squares | Width "A" | Housing Length "B" | Weight with Standard or QM Arm | EPA with Standard or QM Arm |
|-------------------------|-----------|--------------------|--------------------------------|-----------------------------|
| 1-4                     | 16"       | 22"                | 29 lb                          | 0.95                        |
| 5-6                     | 22"       | 22"                | 39 lb                          | 0.95                        |
| 7-9                     | 22"       | 28-1/8"            | 48 lb                          | 1.1                         |

**NOTES:**  
For arm selection requirements and additional line art, see Mounting Details section.

**NOTES:**  
1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.  
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)



Ordering Information

SAMPLE NUMBER: GALN-SA4C-740-U-T4FT-GM

| Product Family <sup>1,2</sup>   | Light Engine   |  | Color Temperature   | Voltage   | Distribution  | Mounting   | Finish   |
|---|--|--|---|---|---|--|--|
|   | Configuration  | Drive Current  |   |   |   |  |  |
| <b>GALN</b> =Galleon II<br><b>BAA-GALN</b> =Galleon II Buy American Act Compliant <sup>27</sup><br><b>TAA-GALN</b> =Galleon II Trade Agreements Act Compliant <sup>27</sup> | <b>SA1</b> =1 Square<br><b>SA2</b> =2 Squares<br><b>SA3</b> =3 Squares<br><b>SA4</b> =4 Squares<br><b>SA5</b> =5 Squares<br><b>SA6</b> =6 Squares<br><b>SA7</b> =7 Squares<br><b>SA8</b> =8 Squares<br><b>SA9</b> =9 Squares | <b>A</b> =600mA<br><b>B</b> =800mA<br><b>C</b> =1000mA <sup>4,17</sup><br><b>D</b> =1200mA <sup>4,17</sup><br><b>Z</b> =Configured <sup>33</sup> | <b>722</b> =70CRI, 2200K<br><b>727</b> =70CRI, 2700K<br><b>730</b> =70CRI, 3000K<br><b>735</b> =70CRI, 3500K<br><b>740</b> =70CRI, 4000K<br><b>750</b> =70CRI, 5000K<br><b>760</b> =70CRI, 6000K<br><b>827</b> =80CRI, 2700K<br><b>830</b> =80CRI, 3000K<br><b>835</b> =80CRI, 3500K<br><b>840</b> =80CRI, 4000K<br><b>930</b> =90CRI, 3000K<br><b>935</b> =90CRI, 3500K<br><b>940</b> =90CRI, 4000K<br><b>950</b> =90CRI, 5000K<br><b>AMB</b> =Amber, 590nm <sup>15,17</sup> | <b>U</b> =120-277V<br><b>H</b> =347V-480V <sup>7,30</sup><br>1=120V<br>2=208V<br>3=240V<br>4=277V<br>8=480V <sup>7,30</sup><br>9=347V <sup>7</sup><br><b>DV</b> =277V-480V DuraVolt Drivers <sup>29,30,31</sup> | <b>T1</b> =Type I<br><b>T2</b> =Type II<br><b>T2R</b> =Type II Roadway<br><b>T3</b> =Type III<br><b>T3R</b> =Type III Roadway<br><b>T4FT</b> =Type IV Forward Throw<br><b>T4W</b> =Type IV Wide<br><b>5NQ</b> =Type V Narrow<br><b>5MQ</b> =Type V Square Medium<br><b>5WQ</b> =Type V Square Wide<br><b>SL2</b> =Type II w/Spill Control<br><b>SL3</b> =Type III w/Spill Control<br><b>SL4</b> =Type IV w/Spill Control<br><b>SLL</b> =90° Spill Light Eliminator Left<br><b>SLR</b> =90° Spill Light Eliminator Right<br><b>RW</b> =Rectangular Wide Type I<br><b>AFL</b> =Automotive Frontline | <b>[Blank]</b> =Standard Pole Mount Arm<br><b>QU</b> =Quick Mount Universal Arm<br><b>QM</b> =Pole Mount Arm with Quick Mount Adaptor<br><b>PA</b> =Pole Mount, Adjustable<br><b>SP3</b> =3" Slipfitter, Adjustable <sup>8</sup><br><b>SP2</b> =2-3/8" Slipfitter, Adjustable <sup>8</sup><br><b>QMA</b> =Quick Mount Mast Arm, Fixed<br><b>MA</b> =Mast Arm, Fixed<br><b>WM</b> =Wall Mount, Fixed<br><b>WA</b> =Wall Mount, Adjustable<br><b>UP</b> =Upswept Arm | <b>AP</b> =Grey<br><b>BZ</b> =Bronze<br><b>BK</b> =Black<br><b>DP</b> =Dark Platinum<br><b>GM</b> =Graphite Metallic<br><b>WH</b> =White<br><b>RALXX</b> =Custom Color |


| Options (Add as Suffix) | Controls and Systems Options (Add as Suffix) | Accessories (Order Separately) <sup>28</sup> |
|-------------------------|--|--|
|-------------------------|--|--|

|   |  |  |
|---|--|--|
| <b>DIM</b> =External 0-10V Dimming Leads <sup>20</sup><br><b>F</b> =Single Fuse (120, 277 or 347V Specify Voltage)<br><b>FF</b> =Double Fuse (208, 240 or 480V Specify Voltage)<br><b>20K</b> =20kV UL 1449 fused surge protective device <sup>10</sup><br><b>2L</b> =Two Circuits <sup>10</sup><br><b>HA</b> =50°C High Ambient<br><b>HSS</b> =Installed House Side Shield <sup>18</sup><br><b>GRSBK</b> =Glare Reducing Shield, Black <sup>23</sup><br><b>GRSWH</b> =Glare Reducing Shield, White <sup>23</sup><br><b>LCF</b> =Light Square Trim Painted to Match Housing <sup>26</sup><br><b>TH</b> =Tool-less Door Hardware <sup>5</sup><br><b>CC</b> =Coastal Construction finish <sup>3</sup><br><b>L90</b> =Optics Rotated 90° Left<br><b>R90</b> =Optics Rotated 90° Right<br><b>AHD145</b> =After Hours Dim, 5 Hours <sup>22</sup><br><b>AHD245</b> =After Hours Dim, 6 Hours <sup>22</sup><br><b>AHD255</b> =After Hours Dim, 7 Hours <sup>22</sup><br><b>AHD355</b> =After Hours Dim, 8 Hours <sup>22</sup><br><b>DALI</b> =DALI Drivers | <b>BPC</b> =Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. <sup>6</sup><br><b>PR</b> =NEMA 3-PIN Photocontrol Receptacle<br><b>PR7</b> =NEMA 7-PIN Photocontrol Receptacle <sup>21</sup><br><b>FADC</b> =Field Adjustable Dimming Controller <sup>32</sup><br><b>PSC</b> =Photocontrol Shorting Cap<br><b>SPB2</b> =Dimming Motion Sensor, 9'-20' mounting <sup>24</sup><br><b>SPB4</b> =Dimming Motion Sensor, 21'-40' mounting <sup>24</sup><br><b>SPB2/X</b> =Dimming Motion Sensor, limited square count, 9'-20' mounting <sup>24</sup><br><b>SPB4/X</b> =Dimming Motion Sensor, limited square count, 21'-40' mounting <sup>24</sup><br><b>MS/DIM-L20</b> =Motion Sensor for Dimming Operation, 9'-20' Mounting <sup>34</sup><br><b>MS/DIM-L40</b> =Motion Sensor for Dimming Operation, 21'-40' Mounting <sup>34</sup><br><b>ZW</b> =WaveLinX-enabled 4-PIN Twistlock Receptacle <sup>19</sup><br><b>ZD</b> =SR Driver-enabled 4-PIN Twistlock Receptacle <sup>19</sup><br><b>ZW-WOBXX</b> =WaveLinX Lite, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting <sup>19,12</sup><br><b>ZW-WOFXX</b> =WaveLinX Lite, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting <sup>19,12</sup><br><b>ZD-WOBXX</b> =WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting <sup>19,12</sup><br><b>ZD-WOFXX</b> =WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting <sup>19,12</sup><br><b>ZW-SWPD4XX</b> =WaveLinX Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting <sup>19,12,13</sup><br><b>ZW-SWPD5XX</b> =WaveLinX Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting <sup>19,12,13</sup><br><b>ZD-SWPD4XX</b> =WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting <sup>19,12,13</sup><br><b>ZD-SWPD5XX</b> =WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting <sup>19,12,13</sup><br><b>DIM10-L20</b> =Synapse Occupancy Sensor (9'-20' Mounting) <sup>19</sup><br><b>DIM10-L40</b> =Synapse Occupancy Sensor (21'-40' Mounting) <sup>19</sup> | <b>OA/RA1016</b> =NEMA Photocontrol Multi-Tap - 105-285V<br><b>OA/RA1027</b> =NEMA Photocontrol - 480V<br><b>OA/RA1201</b> =NEMA Photocontrol - 347V<br><b>OA/RA1013</b> =Photocontrol Shorting Cap<br><b>OA/RA1014</b> =120V Photocontrol<br><b>MA1252</b> =10kV Surge Module Replacement<br><b>MA1036-XX</b> =Single Tenon Adapter for 2-3/8" O.D. Tenon<br><b>MA1037-XX</b> =2@180° Tenon Adapter for 2-3/8" O.D. Tenon<br><b>MA1197-XX</b> =3@120° Tenon Adapter for 2-3/8" O.D. Tenon<br><b>MA1188-XX</b> =4@90° Tenon Adapter for 2-3/8" O.D. Tenon<br><b>MA1189-XX</b> =2@90° Tenon Adapter for 2-3/8" O.D. Tenon<br><b>MA1190-XX</b> =3@90° Tenon Adapter for 2-3/8" O.D. Tenon<br><b>MA1191-XX</b> =2@120° Tenon Adapter for 2-3/8" O.D. Tenon<br><b>MA1038-XX</b> =Single Tenon Adapter for 3-1/2" O.D. Tenon<br><b>MA1039-XX</b> =2@180° Tenon Adapter for 3-1/2" O.D. Tenon<br><b>MA1192-XX</b> =3@120° Tenon Adapter for 3-1/2" O.D. Tenon<br><b>MA1193-XX</b> =4@90° Tenon Adapter for 3-1/2" O.D. Tenon<br><b>MA1194-XX</b> =2@90° Tenon Adapter for 3-1/2" O.D. Tenon<br><b>MA1195-XX</b> =3@90° Tenon Adapter for 3-1/2" O.D. Tenon<br><b>SRA238</b> =Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon<br><b>FSIR-100</b> =Wireless Configuration Tool for MS/DIM <sup>34</sup><br><b>LS/HSS</b> =Field Installed House Side Shield <sup>9,18</sup><br><b>LS/GRSBK-2PK</b> =Glare Reducing Shield, Black <sup>9,23</sup><br><b>LS/GRSWH-2PK</b> =Glare Reducing Shield, White <sup>9,23</sup><br><b>LS/PFS</b> =Perimeter Shield, Black <sup>16</sup><br><b>WOLC-7P-10A</b> =WaveLinX Outdoor Control Module <sup>11,19</sup><br><b>WOB-XX</b> =WaveLinX Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting <sup>12,14,19</sup><br><b>WOF-XX</b> =WaveLinX Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting <sup>12,14,19</sup><br><b>SWPD4-XX</b> =WaveLinX Sensor, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting <sup>12,13,14,19</sup><br><b>SWPD5-XX</b> =WaveLinX Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting <sup>12,13,14,19</sup> |
|---|--|--|

**NOTES:**

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WPS13001EN for additional support information.
- DesignLights Consortium® Qualified. Refer to [www.designlights.org](http://www.designlights.org) Qualified Products List under Family Models for details.
- Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
- Drive current 1200mA not available with color temperatures 722, 727, 827, 830 or 930 when the HSS option is selected.
- TH option not 3G rated. Not available with Coastal Construction (CC) option.
- Not available with voltage options H, 8 or 9.
- Requires the use of an internal step down transformer when combined with sensor options. Not available in combination with the HA high ambient and sensor options at 1A.
- SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon.
- One required for each Light Square.
- 2L is not available with SPB at 347V or 480V. Not available with WaveLinX or Enlighted sensors, or 20kV surge option.
- Requires PR7.
- Replace XX with sensor color (WH, BZ or BK.)
- WAC gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors.
- Requires ZW or ZD receptacle.
- Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
- Set of 4 pcs. One set required per Light Square.
- Not available with HA option.
- Not for use with T1, 5NQ, 5MQ, 5WQ or RW optics.
- Not to be used with other control options.
- Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options
- Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell.
- Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory.
- Not for use with T1, T4FT, T4W or SL4 optics.
- Sensor configuration mobile application required for configuration. See controls page for details.
- Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
- Not available with HSS, GRSWH or GRSBK.
- Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC-PREFERENCES](http://DOMESTIC-PREFERENCES) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
- For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
- DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit [www.signify.com/duravolt](http://www.signify.com/duravolt) for more information.
- 480V not to be used with ungrounded or impedance grounded systems.
- Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB.
- Cannot be used with PR7 or other motion response control options.
- Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB.
- Uses the FSP-211 motion sensor. 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 Cooper Lighting Solutions for more information.

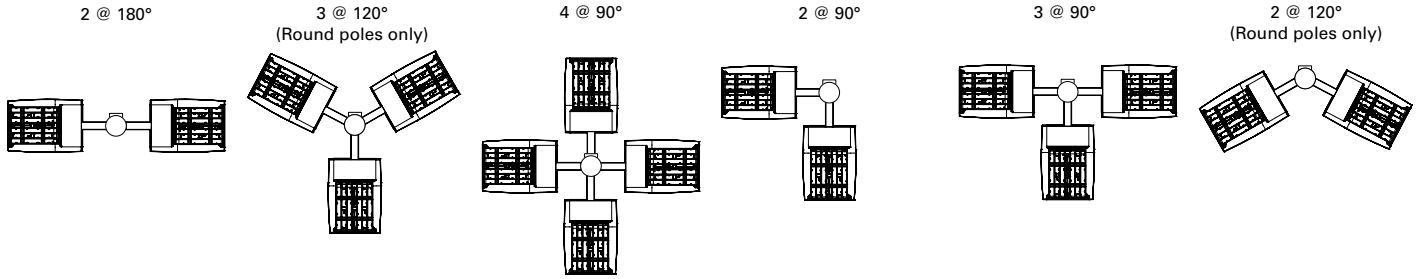
LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

| Product Family  | Camera Type   | Data Backhaul  |
|---|---|--|
| <b>L</b> =LumenSafe Technology<br> | <b>D</b> =Standard Dome Camera<br><b>H</b> =Hi-Res Dome Camera<br><b>Z</b> =Remote PTZ Camera | <b>C</b> =Cellular, No SIM<br><b>A</b> =Cellular, AT&T<br><b>V</b> =Cellular, Verizon<br><b>S</b> =Cellular, Sprint<br><b>R</b> =Cellular, Rogers<br><b>W</b> =Wi-Fi Networking w/ Omni-Directional Antenna<br><b>E</b> =Ethernet Networking |



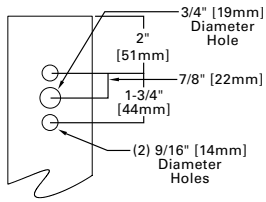
Mounting Details

Pole Configuration Options

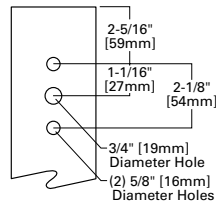


Pole Drilling Patterns

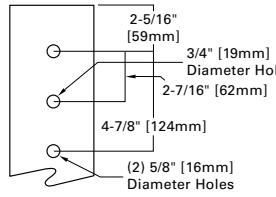
Type "N"



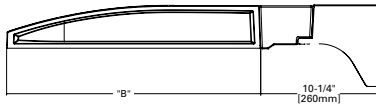
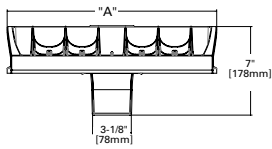
Type "R"



Type "M"

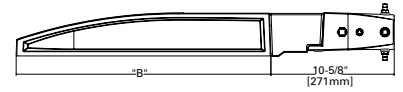
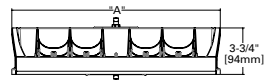


Quick Mount Universal Arm (QU)



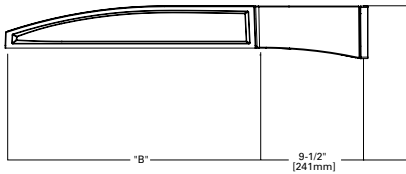
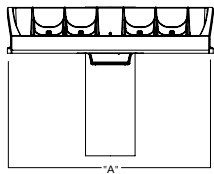
\*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Quick Mount Mast Arm (QMA)



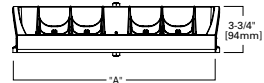
\*NOTE: Fits 2-3/8" O.D. tenon

Pole Mount Arm with Quick Mount Adaptor (QM)



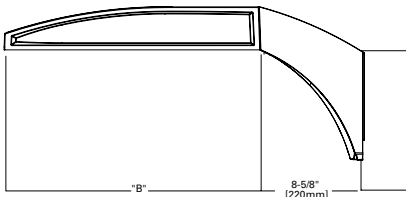
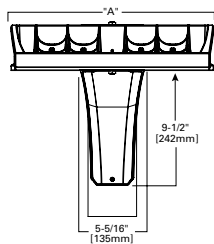
\*NOTE: Use Type N drilling pattern

Mast Arm, Fixed (MA)



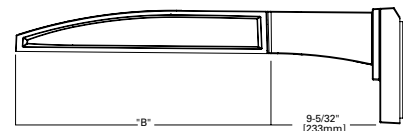
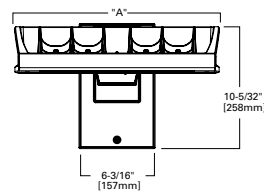
\*NOTE: Fits 2-3/8" O.D. tenon

Upswept Arm (UP)



\*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

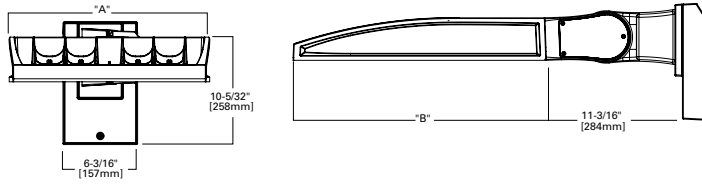
Wall Mount, Fixed (WM)





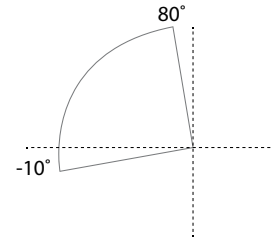
Mounting Details

Wall Mount, Adjustable (WA)

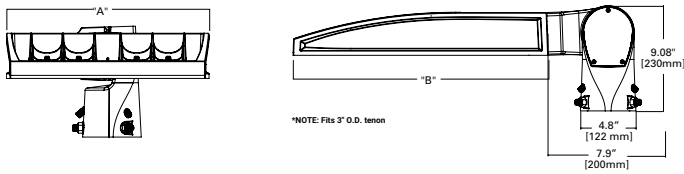


Adjustable Arm Range of Motion

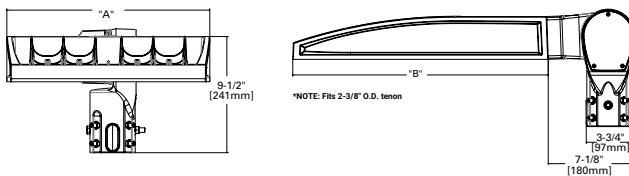
- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



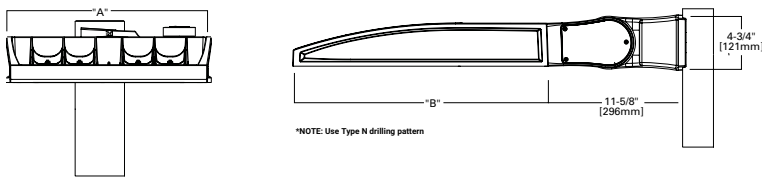
3" Slipfitter, Adjustable (SP)



2-3/8" Slipfitter, Adjustable (SP2)



Pole Mount, Adjustable Arm (PA)

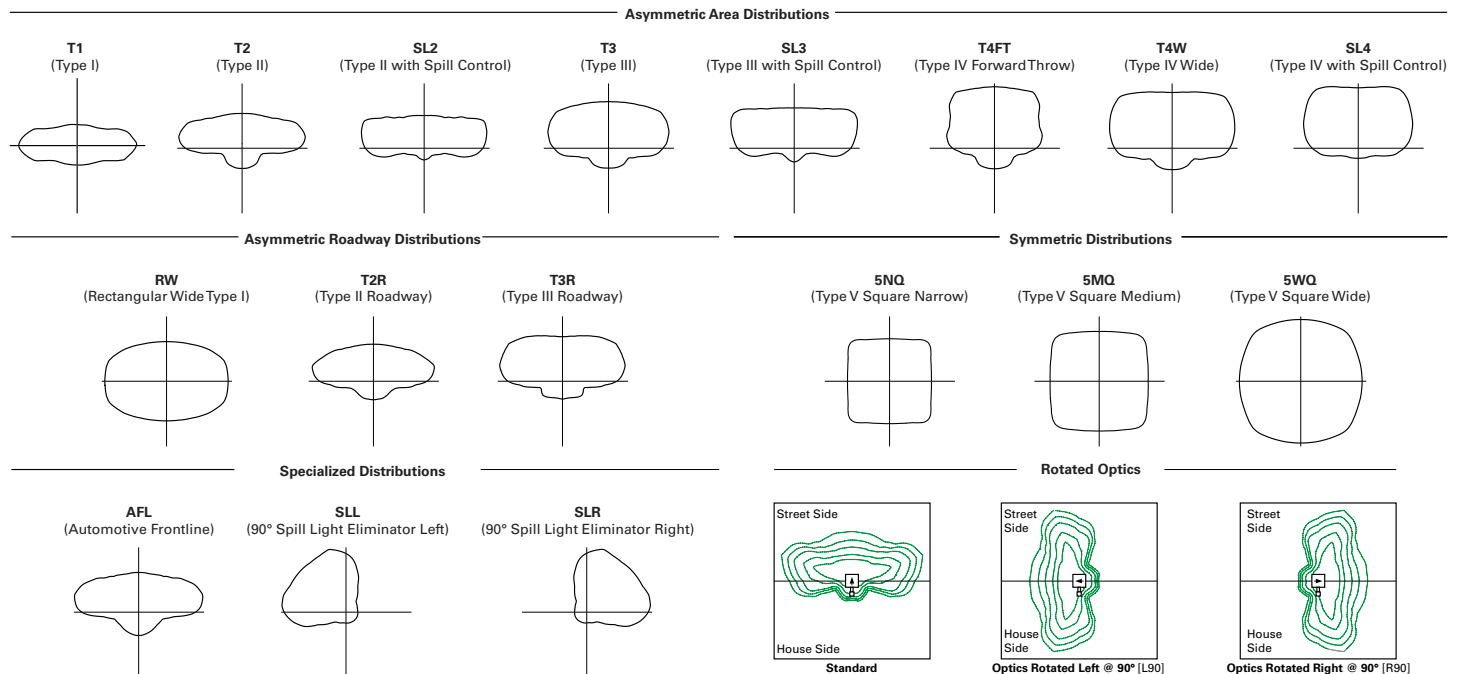


Fixture Weights and EPAs

| Tilt Angle (Degrees) | Number of Light Squares | Weight            | 1 @ 90° | 2 @ 180° | 2 @ 90° | 2 @ 120° | 3 @ 90° | 3 @ 120° | 4 @ 90° |
|----------------------|-------------------------|-------------------|---------|----------|---------|----------|---------|----------|---------|
| 0°                   | 1-4                     | 33.5 lb (15.2 kg) | 0.85    | 1.70     | 1.46    | 1.66     | 2.31    | 2.25     | 2.35    |
|                      | 5-6                     | 43.5 lb (19.7 kg) | 0.86    | 1.71     | 1.62    | 1.80     | 2.49    | 2.35     | 2.50    |
|                      | 7-9                     | 52.5 lb (23.8 kg) | 0.98    | 1.95     | 1.75    | 1.98     | 2.73    | 2.55     | 2.76    |
| 15°                  | 1-4                     | 33.5 lb (15.2 kg) | 1.10    | 1.71     | 1.95    | 2.26     | 2.81    | 3.30     | 2.87    |
|                      | 5-6                     | 43.5 lb (19.7 kg) | 1.42    | 1.71     | 2.27    | 2.72     | 3.13    | 3.63     | 3.15    |
|                      | 7-9                     | 52.5 lb (23.8 kg) | 1.69    | 1.96     | 2.67    | 3.22     | 3.65    | 4.38     | 3.72    |
| 30°                  | 1-4                     | 33.5 lb (15.2 kg) | 1.72    | 1.81     | 2.58    | 3.21     | 3.44    | 4.59     | 3.53    |
|                      | 5-6                     | 43.5 lb (19.7 kg) | 2.26    | 2.29     | 3.11    | 4.00     | 3.97    | 5.27     | 4.00    |
|                      | 7-9                     | 52.5 lb (23.8 kg) | 2.75    | 2.85     | 3.73    | 4.83     | 4.71    | 6.45     | 4.81    |
| 45°                  | 1-4                     | 33.5 lb (15.2 kg) | 2.25    | 2.36     | 3.10    | 4.00     | 3.96    | 5.63     | 4.08    |
|                      | 5-6                     | 43.5 lb (19.7 kg) | 2.96    | 2.99     | 3.81    | 5.06     | 4.67    | 6.49     | 4.71    |
|                      | 7-9                     | 52.5 lb (23.8 kg) | 3.63    | 3.76     | 3.73    | 6.17     | 5.59    | 8.03     | 5.73    |
| 60°                  | 1-4                     | 33.5 lb (15.2 kg) | 2.63    | 2.77     | 3.49    | 4.58     | 4.34    | 6.21     | 4.48    |
|                      | 5-6                     | 43.5 lb (19.7 kg) | 3.46    | 3.51     | 4.32    | 5.84     | 5.19    | 7.01     | 5.22    |
|                      | 7-9                     | 52.5 lb (23.8 kg) | 4.27    | 4.44     | 5.25    | 7.15     | 6.23    | 8.80     | 6.40    |



Optical Distributions



Product Specifications

**Construction**

- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

**Optics**

- High-efficiency injection-molded AccuLED Optics technology
- 17 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)

**Electrical**

- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module

- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration

**Mounting**

- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

**Finish**

- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

**Typical Applications**

- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

**Warranty**

- Five year limited warranty



Energy and Performance Data

Lumen Maintenance (TM-21)

| Drive Current | Ambient Temperature | 25,000 hours* | 50,000 hours* | 60,000 hours* | 100,000 hours** | Theoretical L70 hours** |
|---------------|---------------------|---------------|---------------|---------------|-----------------|-------------------------|
| Up to 1A      | 25°C                | 99.4%         | 99.0%         | 98.9%         | 98.3%           | > 2.4M                  |
|               | 40°C                | 98.7%         | 98.3%         | 98.1%         | 97.4%           | > 1.9M                  |
|               | 50°C                | 98.2%         | 97.2%         | 96.8%         | 95.2%           | > 851,000               |
| 1.2A          | 25°C                | 99.4%         | 99.0%         | 98.9%         | 98.3%           | > 2.4M                  |
|               | 40°C                | 98.5%         | 97.9%         | 97.7%         | 96.7%           | > 1.3M                  |

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             |

\* Supported by IES TM-21 standards  
 \*\* Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

FADC Settings  
 SA1-SA3 (A, B, C, D Drive Current)

| FADC Position | Percent of Typical Lumen Output |
|---------------|---------------------------------|
| 1             | 25%                             |
| 2             | 48%                             |
| 3             | 56%                             |
| 4             | 65%                             |
| 5             | 75%                             |
| 6             | 80%                             |
| 7             | 85%                             |
| 8             | 90%                             |
| 9             | 95%                             |
| 10            | 100%                            |

FADC Settings  
 SA4-SA6 (A, B, C, D Drive Current)

| FADC Position | Percent of Typical Lumen Output |
|---------------|---------------------------------|
| 1             | 14%                             |
| 2             | 25%                             |
| 3             | 32%                             |
| 4             | 43%                             |
| 5             | 49%                             |
| 6             | 57%                             |
| 7             | 65%                             |
| 8             | 72%                             |
| 9             | 80%                             |
| 10            | 100%                            |

FADC Settings  
 SA7-SA9 (A, B, C, D Drive Current)

| FADC Position | Percent of Typical Lumen Output |
|---------------|---------------------------------|
| 1             | 19%                             |
| 2             | 38%                             |
| 3             | 47%                             |
| 4             | 63%                             |
| 5             | 74%                             |
| 6             | 85%                             |
| 7             | 95%                             |
| 8             | 97%                             |
| 9             | 100%                            |
| 10            | 100%                            |



Performance Table, Drive Current "A" (615mA)

| Number of Light Squares      |                 | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Nominal Power (Watts)</b> |                 | 33       | 63       | 93       | 121      | 154      | 182      | 215      | 244      | 274      |
| <b>Input Current @ 120V</b>  |                 | 0.283    | 0.529    | 0.778    | 1.058    | 1.310    | 1.556    | 1.839    | 2.089    | 2.335    |
| <b>Input Current @ 208V</b>  |                 | 0.165    | 0.309    | 0.460    | 0.618    | 0.771    | 0.919    | 1.082    | 1.240    | 1.379    |
| <b>Input Current @ 240V</b>  |                 | 0.143    | 0.270    | 0.398    | 0.540    | 0.671    | 0.796    | 0.944    | 1.078    | 1.194    |
| <b>Input Current @ 277V</b>  |                 | 0.125    | 0.237    | 0.352    | 0.473    | 0.581    | 0.705    | 0.818    | 0.962    | 1.057    |
| <b>Input Current @ 347V</b>  |                 | 0.098    | 0.181    | 0.272    | 0.362    | 0.454    | 0.544    | 0.636    | 0.738    | 0.816    |
| <b>Input Current @ 480V</b>  |                 | 0.073    | 0.133    | 0.200    | 0.267    | 0.335    | 0.400    | 0.470    | 0.554    | 0.600    |
| Optics                       |                 |          |          |          |          |          |          |          |          |          |
| <b>T1</b>                    | 4000K Lumens    | 4,619    | 9,180    | 13,628   | 18,059   | 22,861   | 27,070   | 31,796   | 36,863   | 41,385   |
|                              | 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 |
|                              | Lumens per Watt | 140      | 146      | 147      | 149      | 148      | 149      | 148      | 151      | 151      |
| <b>T2</b>                    | 4000K Lumens    | 4,654    | 9,249    | 13,730   | 18,194   | 23,032   | 27,273   | 32,034   | 37,138   | 41,694   |
|                              | 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 |
|                              | Lumens per Watt | 141      | 147      | 148      | 150      | 150      | 150      | 149      | 152      | 152      |
| <b>T2R</b>                   | 4000K Lumens    | 4,716    | 9,372    | 13,913   | 18,437   | 23,340   | 27,637   | 32,462   | 37,634   | 42,251   |
|                              | 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 |
|                              | Lumens per Watt | 143      | 149      | 150      | 152      | 152      | 152      | 151      | 154      | 154      |
| <b>T3</b>                    | 4000K Lumens    | 4,589    | 9,120    | 13,538   | 17,940   | 22,711   | 26,892   | 31,587   | 36,620   | 41,112   |
|                              | 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-G4 |
|                              | Lumens per Watt | 139      | 145      | 146      | 148      | 147      | 148      | 147      | 150      | 150      |
| <b>T3R</b>                   | 4000K Lumens    | 4,735    | 9,411    | 13,970   | 18,513   | 23,436   | 27,751   | 32,596   | 37,790   | 42,425   |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 |
|                              | Lumens per Watt | 143      | 149      | 150      | 153      | 152      | 152      | 152      | 155      | 155      |
| <b>T4FT</b>                  | 4000K Lumens    | 4,617    | 9,176    | 13,622   | 18,051   | 22,851   | 27,058   | 31,782   | 36,847   | 41,366   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
|                              | Lumens per Watt | 140      | 146      | 146      | 149      | 148      | 149      | 148      | 151      | 151      |
| <b>T4W</b>                   | 4000K Lumens    | 4,631    | 9,203    | 13,662   | 18,104   | 22,918   | 27,138   | 31,876   | 36,955   | 41,488   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 140      | 146      | 147      | 150      | 149      | 149      | 148      | 151      | 151      |
| <b>SL2</b>                   | 4000K Lumens    | 4,619    | 9,180    | 13,627   | 18,058   | 22,860   | 27,069   | 31,795   | 36,861   | 41,383   |
|                              | 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 |
|                              | Lumens per Watt | 140      | 146      | 147      | 149      | 148      | 149      | 148      | 151      | 151      |
| <b>SL3</b>                   | 4000K Lumens    | 4,586    | 9,115    | 13,531   | 17,931   | 22,699   | 26,879   | 31,571   | 36,602   | 41,091   |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 |
|                              | Lumens per Watt | 139      | 145      | 145      | 148      | 147      | 148      | 147      | 150      | 150      |
| <b>SL4</b>                   | 4000K Lumens    | 4,529    | 9,002    | 13,363   | 17,708   | 22,417   | 26,544   | 31,178   | 36,146   | 40,580   |
|                              | BUG Rating      | B1-U0-G2 | B1-U0-G3 | B2-U0-G3 | B2-U0-G4 | B2-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
|                              | Lumens per Watt | 137      | 143      | 144      | 146      | 146      | 146      | 145      | 148      | 148      |
| <b>5NQ</b>                   | 4000K Lumens    | 4,829    | 9,598    | 14,247   | 18,880   | 23,901   | 28,301   | 33,242   | 38,539   | 43,266   |
|                              | BUG Rating      | B2-U0-G1 | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 |
|                              | Lumens per Watt | 146      | 152      | 153      | 156      | 155      | 155      | 155      | 158      | 158      |
| <b>5MQ</b>                   | 4000K Lumens    | 4,853    | 9,645    | 14,318   | 18,974   | 24,020   | 28,442   | 33,407   | 38,731   | 43,482   |
|                              | 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 |
|                              | Lumens per Watt | 147      | 153      | 154      | 157      | 156      | 156      | 155      | 159      | 159      |
| <b>5WQ</b>                   | 4000K Lumens    | 4,843    | 9,625    | 14,288   | 18,934   | 23,969   | 28,382   | 33,337   | 38,649   | 43,390   |
|                              | 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 |
|                              | Lumens per Watt | 147      | 153      | 154      | 156      | 156      | 156      | 155      | 158      | 158      |
| <b>SLL/SLR</b>               | 4000K Lumens    | 3,989    | 7,927    | 11,768   | 15,594   | 19,741   | 23,375   | 27,456   | 31,831   | 35,736   |
|                              | BUG Rating      | B1-U0-G2 | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B2-U0-G4 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 |
|                              | Lumens per Watt | 121      | 126      | 127      | 129      | 128      | 128      | 128      | 130      | 130      |
| <b>RW</b>                    | 4000K Lumens    | 4,774    | 9,488    | 14,085   | 18,665   | 23,628   | 27,979   | 32,863   | 38,100   | 42,774   |
|                              | 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 |
|                              | Lumens per Watt | 145      | 151      | 151      | 154      | 153      | 154      | 153      | 156      | 156      |
| <b>AFL</b>                   | 4000K Lumens    | 4,673    | 9,286    | 13,785   | 18,268   | 23,126   | 27,384   | 32,164   | 37,290   | 41,864   |
|                              | BUG Rating      | B1-U0-G1 | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 |
|                              | Lumens per Watt | 142      | 147      | 148      | 151      | 150      | 150      | 150      | 153      | 153      |

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.



Performance Table, Drive Current "B" (800mA)

| Number of Light Squares |                 | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        |
|-------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Nominal Power (Watts)   |                 | 44       | 82       | 121      | 164      | 204      | 243      | 286      | 325      | 364      |
| Input Current @ 120V    |                 | 0.367    | 0.689    | 1.014    | 1.378    | 1.704    | 2.027    | 2.393    | 2.716    | 3.041    |
| Input Current @ 208V    |                 | 0.213    | 0.401    | 0.594    | 0.802    | 0.997    | 1.188    | 1.400    | 1.605    | 1.782    |
| Input Current @ 240V    |                 | 0.184    | 0.347    | 0.510    | 0.694    | 0.860    | 1.021    | 1.210    | 1.386    | 1.531    |
| Input Current @ 277V    |                 | 0.160    | 0.303    | 0.449    | 0.605    | 0.757    | 0.898    | 1.065    | 1.242    | 1.347    |
| Input Current @ 347V    |                 | 0.125    | 0.235    | 0.355    | 0.471    | 0.592    | 0.710    | 0.828    | 0.958    | 1.065    |
| Input Current @ 480V    |                 | 0.092    | 0.172    | 0.258    | 0.344    | 0.432    | 0.517    | 0.605    | 0.706    | 0.775    |
| Optics                  |                 |          |          |          |          |          |          |          |          |          |
| T1                      | 4000K Lumens    | 5,748    | 11,423   | 16,957   | 22,470   | 28,446   | 33,683   | 39,563   | 45,867   | 51,494   |
|                         | BUG Rating      | B2-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 |
|                         | Lumens per Watt | 131      | 139      | 140      | 137      | 139      | 139      | 138      | 141      | 141      |
| T2                      | 4000K Lumens    | 5,790    | 11,508   | 17,083   | 22,638   | 28,658   | 33,935   | 39,859   | 46,210   | 51,879   |
|                         | 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 |
|                         | Lumens per Watt | 132      | 140      | 141      | 138      | 140      | 140      | 139      | 142      | 143      |
| T2R                     | 4000K Lumens    | 5,868    | 11,662   | 17,311   | 22,941   | 29,041   | 34,388   | 40,391   | 46,827   | 52,572   |
|                         | 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 | B3-U0-G5 |
|                         | Lumens per Watt | 133      | 142      | 143      | 140      | 142      | 142      | 141      | 144      | 144      |
| T3                      | 4000K Lumens    | 5,710    | 11,347   | 16,845   | 22,322   | 28,258   | 33,461   | 39,303   | 45,565   | 51,155   |
|                         | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G5 | B4-U0-G5 |
|                         | Lumens per Watt | 130      | 138      | 139      | 136      | 139      | 138      | 137      | 140      | 141      |
| T3R                     | 4000K Lumens    | 5,892    | 11,710   | 17,383   | 23,035   | 29,161   | 34,530   | 40,558   | 47,020   | 52,788   |
|                         | 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 | B4-U0-G5 |
|                         | Lumens per Watt | 134      | 143      | 144      | 140      | 143      | 142      | 142      | 145      | 145      |
| T4FT                    | 4000K Lumens    | 5,745    | 11,418   | 16,949   | 22,460   | 28,433   | 33,668   | 39,546   | 45,847   | 51,471   |
|                         | BUG Rating      | B1-U0-G2 | B2-U0-G3 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                         | Lumens per Watt | 131      | 139      | 140      | 137      | 139      | 139      | 138      | 141      | 141      |
| T4W                     | 4000K Lumens    | 5,762    | 11,451   | 16,999   | 22,526   | 28,517   | 33,767   | 39,662   | 45,982   | 51,622   |
|                         | 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 |
|                         | Lumens per Watt | 131      | 140      | 140      | 137      | 140      | 139      | 139      | 141      | 142      |
| SL2                     | 4000K Lumens    | 5,747    | 11,422   | 16,956   | 22,469   | 28,444   | 33,681   | 39,561   | 45,865   | 51,491   |
|                         | BUG Rating      | B1-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                         | Lumens per Watt | 131      | 139      | 140      | 137      | 139      | 139      | 138      | 141      | 141      |
| SL3                     | 4000K Lumens    | 5,707    | 11,342   | 16,836   | 22,311   | 28,244   | 33,444   | 39,283   | 45,542   | 51,129   |
|                         | 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 |
|                         | Lumens per Watt | 130      | 138      | 139      | 136      | 138      | 138      | 137      | 140      | 140      |
| SL4                     | 4000K Lumens    | 5,636    | 11,201   | 16,627   | 22,034   | 27,893   | 33,028   | 38,794   | 44,976   | 50,493   |
|                         | BUG Rating      | B1-U0-G2 | B1-U0-G3 | B2-U0-G4 | B2-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
|                         | Lumens per Watt | 128      | 137      | 137      | 134      | 137      | 136      | 136      | 138      | 139      |
| 5NQ                     | 4000K Lumens    | 6,009    | 11,942   | 17,727   | 23,492   | 29,739   | 35,214   | 41,362   | 47,953   | 53,835   |
|                         | BUG Rating      | B2-U0-G1 | B3-U0-G1 | B4-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 |
|                         | Lumens per Watt | 137      | 146      | 147      | 143      | 146      | 145      | 145      | 148      | 148      |
| 5MQ                     | 4000K Lumens    | 6,039    | 12,001   | 17,816   | 23,609   | 29,887   | 35,389   | 41,568   | 48,191   | 54,103   |
|                         | 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 |
|                         | Lumens per Watt | 137      | 146      | 147      | 144      | 147      | 146      | 145      | 148      | 149      |
| 5WQ                     | 4000K Lumens    | 6,026    | 11,976   | 17,778   | 23,559   | 29,824   | 35,315   | 41,480   | 48,090   | 53,989   |
|                         | BUG Rating      | B3-U0-G1 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 |
|                         | Lumens per Watt | 137      | 146      | 147      | 144      | 146      | 145      | 145      | 148      | 148      |
| SLL/<br>SLR             | 4000K Lumens    | 4,963    | 9,863    | 14,642   | 19,403   | 24,563   | 29,085   | 34,163   | 39,607   | 44,465   |
|                         | 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 |
|                         | Lumens per Watt | 113      | 120      | 121      | 118      | 120      | 120      | 119      | 122      | 122      |
| RW                      | 4000K Lumens    | 5,940    | 11,806   | 17,526   | 23,224   | 29,400   | 34,813   | 40,891   | 47,407   | 53,222   |
|                         | 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 |
|                         | Lumens per Watt | 135      | 144      | 145      | 142      | 144      | 143      | 143      | 146      | 146      |
| AFL                     | 4000K Lumens    | 5,814    | 11,555   | 17,153   | 22,730   | 28,775   | 34,073   | 40,021   | 46,398   | 52,090   |
|                         | BUG Rating      | B1-U0-G1 | B2-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 |
|                         | Lumens per Watt | 132      | 141      | 142      | 139      | 141      | 140      | 140      | 143      | 143      |

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.



Performance Table, Drive Current "C" (1050mA)

| Number of Light Squares      |                 | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Nominal Power (Watts)</b> |                 | 57       | 108      | 160      | 213      | 269      | 321      | 377      | 429      | 481      |
| <b>Input Current @ 120V</b>  |                 | 0.478    | 0.905    | 1.338    | 1.810    | 2.244    | 2.675    | 3.150    | 3.584    | 4.013    |
| <b>Input Current @ 208V</b>  |                 | 0.279    | 0.532    | 0.780    | 1.064    | 1.313    | 1.559    | 1.845    | 2.093    | 2.339    |
| <b>Input Current @ 240V</b>  |                 | 0.243    | 0.458    | 0.664    | 0.916    | 1.123    | 1.328    | 1.582    | 1.788    | 1.991    |
| <b>Input Current @ 277V</b>  |                 | 0.213    | 0.404    | 0.582    | 0.808    | 0.997    | 1.164    | 1.401    | 1.589    | 1.745    |
| <b>Input Current @ 347V</b>  |                 | 0.164    | 0.322    | 0.471    | 0.644    | 0.795    | 0.943    | 1.117    | 1.269    | 1.414    |
| <b>Input Current @ 480V</b>  |                 | 0.121    | 0.235    | 0.341    | 0.469    | 0.579    | 0.681    | 0.814    | 0.923    | 1.022    |
| Optics                       |                 |          |          |          |          |          |          |          |          |          |
| <b>T1</b>                    | 4000K Lumens    | 7,101    | 14,113   | 20,950   | 27,763   | 35,146   | 41,616   | 48,882   | 56,671   | 63,623   |
|                              | 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 |
|                              | Lumens per Watt | 125      | 131      | 131      | 130      | 131      | 130      | 130      | 132      | 132      |
| <b>T2</b>                    | 4000K Lumens    | 7,154    | 14,219   | 21,107   | 27,970   | 35,408   | 41,927   | 49,247   | 57,094   | 64,098   |
|                              | 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 |
|                              | Lumens per Watt | 126      | 132      | 132      | 131      | 132      | 131      | 131      | 133      | 133      |
| <b>T2R</b>                   | 4000K Lumens    | 7,250    | 14,408   | 21,389   | 28,344   | 35,881   | 42,487   | 49,905   | 57,857   | 64,954   |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 127      | 133      | 134      | 133      | 133      | 132      | 132      | 135      | 135      |
| <b>T3</b>                    | 4000K Lumens    | 7,054    | 14,020   | 20,812   | 27,580   | 34,914   | 41,342   | 48,560   | 56,297   | 63,203   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 124      | 130      | 130      | 129      | 130      | 129      | 129      | 131      | 131      |
| <b>T3R</b>                   | 4000K Lumens    | 7,280    | 14,468   | 21,477   | 28,461   | 36,029   | 42,663   | 50,111   | 58,096   | 65,222   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 128      | 134      | 134      | 134      | 134      | 133      | 133      | 135      | 136      |
| <b>T4FT</b>                  | 4000K Lumens    | 7,098    | 14,107   | 20,941   | 27,751   | 35,130   | 41,598   | 48,860   | 56,646   | 63,594   |
|                              | 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 |
|                              | Lumens per Watt | 125      | 131      | 131      | 130      | 131      | 130      | 130      | 132      | 132      |
| <b>T4W</b>                   | 4000K Lumens    | 7,119    | 14,148   | 21,003   | 27,832   | 35,233   | 41,720   | 49,004   | 56,812   | 63,781   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 125      | 131      | 131      | 131      | 131      | 130      | 130      | 132      | 133      |
| <b>SL2</b>                   | 4000K Lumens    | 7,101    | 14,112   | 20,949   | 27,761   | 35,144   | 41,614   | 48,879   | 56,668   | 63,619   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 125      | 131      | 131      | 130      | 131      | 130      | 130      | 132      | 132      |
| <b>SL3</b>                   | 4000K Lumens    | 7,051    | 14,013   | 20,802   | 27,566   | 34,897   | 41,321   | 48,535   | 56,269   | 63,172   |
|                              | 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 |
|                              | Lumens per Watt | 124      | 130      | 130      | 129      | 130      | 129      | 129      | 131      | 131      |
| <b>SL4</b>                   | 4000K Lumens    | 6,963    | 13,839   | 20,543   | 27,223   | 34,463   | 40,808   | 47,932   | 55,569   | 62,386   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G3 | B2-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 |
|                              | Lumens per Watt | 122      | 128      | 128      | 128      | 128      | 127      | 127      | 130      | 130      |
| <b>5NQ</b>                   | 4000K Lumens    | 7,424    | 14,755   | 21,903   | 29,025   | 36,743   | 43,508   | 51,104   | 59,247   | 66,515   |
|                              | BUG Rating      | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 |
|                              | Lumens per Watt | 130      | 137      | 137      | 136      | 137      | 136      | 136      | 138      | 138      |
| <b>5MQ</b>                   | 4000K Lumens    | 7,461    | 14,828   | 22,012   | 29,169   | 36,926   | 43,725   | 51,359   | 59,542   | 66,846   |
|                              | BUG Rating      | B3-U0-G1 | B4-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 |
|                              | Lumens per Watt | 131      | 137      | 138      | 137      | 137      | 136      | 136      | 139      | 139      |
| <b>5WQ</b>                   | 4000K Lumens    | 7,445    | 14,797   | 21,966   | 29,108   | 36,849   | 43,633   | 51,250   | 59,417   | 66,705   |
|                              | BUG Rating      | B3-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
|                              | Lumens per Watt | 131      | 137      | 137      | 137      | 137      | 136      | 136      | 139      | 139      |
| <b>SLL/SLR</b>               | 4000K Lumens    | 6,132    | 12,187   | 18,091   | 23,973   | 30,348   | 35,936   | 42,210   | 48,935   | 54,938   |
|                              | 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 | B3-U0-G5 |
|                              | Lumens per Watt | 108      | 113      | 113      | 113      | 113      | 112      | 112      | 114      | 114      |
| <b>RW</b>                    | 4000K Lumens    | 7,340    | 14,587   | 21,653   | 28,694   | 36,325   | 43,013   | 50,522   | 58,573   | 65,757   |
|                              | 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 |
|                              | Lumens per Watt | 129      | 135      | 135      | 135      | 135      | 134      | 134      | 137      | 137      |
| <b>AFL</b>                   | 4000K Lumens    | 7,183    | 14,276   | 21,193   | 28,084   | 35,552   | 42,098   | 49,448   | 57,327   | 64,359   |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G4 |
|                              | Lumens per Watt | 126      | 132      | 132      | 132      | 132      | 131      | 131      | 134      | 134      |

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.



Performance Table, Drive Current "D" (1200mA)

| Number of Light Squares      |                 | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        |
|------------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Nominal Power (Watts)</b> |                 | 65       | 125      | 184      | 245      | 309      | 368      | 433      | 493      | 552      |
| <b>Input Current @ 120V</b>  |                 | 0.546    | 1.041    | 1.535    | 2.082    | 2.578    | 3.070    | 3.619    | 4.114    | 4.605    |
| <b>Input Current @ 208V</b>  |                 | 0.318    | 0.610    | 0.893    | 1.219    | 1.504    | 1.786    | 2.113    | 2.397    | 2.679    |
| <b>Input Current @ 240V</b>  |                 | 0.276    | 0.523    | 0.758    | 1.046    | 1.282    | 1.516    | 1.806    | 2.041    | 2.274    |
| <b>Input Current @ 277V</b>  |                 | 0.241    | 0.460    | 0.662    | 0.920    | 1.133    | 1.325    | 1.593    | 1.807    | 1.987    |
| <b>Input Current @ 347V</b>  |                 | 0.187    | 0.370    | 0.543    | 0.740    | 0.915    | 1.085    | 1.285    | 1.459    | 1.628    |
| <b>Input Current @ 480V</b>  |                 | 0.138    | 0.269    | 0.391    | 0.537    | 0.663    | 0.782    | 0.932    | 1.057    | 1.173    |
| Optics                       |                 |          |          |          |          |          |          |          |          |          |
| <b>T1</b>                    | 4000K Lumens    | 7,814    | 15,529   | 23,053   | 30,549   | 38,672   | 45,793   | 53,787   | 62,358   | 70,007   |
|                              | 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-G4 |
|                              | Lumens per Watt | 120      | 124      | 125      | 125      | 125      | 124      | 124      | 126      | 127      |
| <b>T2</b>                    | 4000K Lumens    | 7,872    | 15,645   | 23,225   | 30,777   | 38,962   | 46,135   | 54,189   | 62,824   | 70,530   |
|                              | 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 |
|                              | Lumens per Watt | 121      | 125      | 126      | 126      | 126      | 125      | 125      | 127      | 128      |
| <b>T2R</b>                   | 4000K Lumens    | 7,977    | 15,854   | 23,535   | 31,188   | 39,482   | 46,751   | 54,913   | 63,663   | 71,472   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G4 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 123      | 127      | 128      | 127      | 128      | 127      | 127      | 129      | 129      |
| <b>T3</b>                    | 4000K Lumens    | 7,762    | 15,427   | 22,901   | 30,348   | 38,418   | 45,491   | 53,433   | 61,947   | 69,546   |
|                              | BUG Rating      | B2-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B4-U0-G4 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 119      | 123      | 124      | 124      | 124      | 124      | 123      | 126      | 126      |
| <b>T3R</b>                   | 4000K Lumens    | 8,010    | 15,920   | 23,632   | 31,317   | 39,645   | 46,944   | 55,139   | 63,925   | 71,767   |
|                              | 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 |
|                              | Lumens per Watt | 123      | 127      | 128      | 128      | 128      | 128      | 127      | 130      | 130      |
| <b>T4FT</b>                  | 4000K Lumens    | 7,810    | 15,522   | 23,043   | 30,535   | 38,655   | 45,772   | 53,763   | 62,330   | 69,976   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 120      | 124      | 125      | 125      | 125      | 124      | 124      | 126      | 127      |
| <b>T4W</b>                   | 4000K Lumens    | 7,833    | 15,568   | 23,110   | 30,625   | 38,769   | 45,907   | 53,921   | 62,513   | 70,182   |
|                              | BUG Rating      | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 121      | 125      | 126      | 125      | 125      | 125      | 125      | 127      | 127      |
| <b>SL2</b>                   | 4000K Lumens    | 7,813    | 15,528   | 23,052   | 30,547   | 38,670   | 45,790   | 53,784   | 62,354   | 70,003   |
|                              | BUG Rating      | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 120      | 124      | 125      | 125      | 125      | 124      | 124      | 126      | 127      |
| <b>SL3</b>                   | 4000K Lumens    | 7,758    | 15,419   | 22,889   | 30,332   | 38,398   | 45,468   | 53,406   | 61,916   | 69,511   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 119      | 123      | 124      | 124      | 124      | 124      | 123      | 126      | 126      |
| <b>SL4</b>                   | 4000K Lumens    | 7,662    | 15,228   | 22,605   | 29,955   | 37,921   | 44,903   | 52,742   | 61,146   | 68,646   |
|                              | BUG Rating      | B1-U0-G3 | B2-U0-G3 | B2-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 118      | 122      | 123      | 122      | 123      | 122      | 122      | 124      | 124      |
| <b>5NQ</b>                   | 4000K Lumens    | 8,169    | 16,235   | 24,101   | 31,938   | 40,431   | 47,874   | 56,232   | 65,193   | 73,190   |
|                              | BUG Rating      | B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4 |
|                              | Lumens per Watt | 126      | 130      | 131      | 130      | 131      | 130      | 130      | 132      | 133      |
| <b>5MQ</b>                   | 4000K Lumens    | 8,210    | 16,316   | 24,221   | 32,097   | 40,632   | 48,113   | 56,512   | 65,517   | 73,554   |
|                              | 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 |
|                              | Lumens per Watt | 126      | 131      | 132      | 131      | 131      | 131      | 131      | 133      | 133      |
| <b>5WQ</b>                   | 4000K Lumens    | 8,192    | 16,282   | 24,170   | 32,029   | 40,546   | 48,011   | 56,393   | 65,379   | 73,399   |
|                              | BUG Rating      | B3-U0-G2 | B4-U0-G2 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 | B5-U0-G5 |
|                              | Lumens per Watt | 126      | 130      | 131      | 131      | 131      | 130      | 130      | 133      | 133      |
| <b>SLL/SLR</b>               | 4000K Lumens    | 6,747    | 13,410   | 19,906   | 26,379   | 33,394   | 39,542   | 46,445   | 53,846   | 60,451   |
|                              | BUG Rating      | B1-U0-G2 | B2-U0-G3 | B2-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 |
|                              | Lumens per Watt | 104      | 107      | 108      | 108      | 108      | 107      | 107      | 109      | 110      |
| <b>RW</b>                    | 4000K Lumens    | 8,076    | 16,050   | 23,826   | 31,574   | 39,970   | 47,329   | 55,592   | 64,450   | 72,356   |
|                              | 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 |
|                              | Lumens per Watt | 124      | 128      | 129      | 129      | 129      | 129      | 128      | 131      | 131      |
| <b>AFL</b>                   | 4000K Lumens    | 7,904    | 15,709   | 23,320   | 30,902   | 39,120   | 46,323   | 54,410   | 63,079   | 70,817   |
|                              | BUG Rating      | B1-U0-G1 | B2-U0-G2 | B3-U0-G2 | B3-U0-G3 | B3-U0-G3 | B3-U0-G3 | B3-U0-G4 | B4-U0-G4 | B4-U0-G4 |
|                              | Lumens per Watt | 122      | 126      | 127      | 126      | 127      | 126      | 126      | 128      | 128      |

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.



## 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 (BPC, PR and PR7)

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) 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 PR7 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 (SPB and MS/DIM-LXX)

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. Both sensors are factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPB/X is configured to control only the specified number of light squares (See SPB/X Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

| SPB sensor finish matched to luminaire finish |                   |                    |
|---|-------------------|--------------------|
| Luminaire Finish                              |                   | SPB Sensor Finish* |
| WH  | White             | White              |
| BK  | Black             | Black              |
| GM  | Graphite Metallic | Black              |
| BZ  | Bronze            | Bronze             |
| AP  | Gray              | Gray               |
| DP  | Dark Platinum     | Gray               |

\*SPB bezel color automatically selected based on luminaire finish

| SPB/X Availability Table |                              |
|--------------------------|------------------------------|
| Fixture Square Count     | Available SPB/X Square Count |
| 1                        | Not Available                |
| 2                        | Not Available                |
| 3                        | Not Available                |
| 4                        | 2                            |
| 5                        | 2 or 3                       |
| 6                        | 3                            |
| 7                        | 2, 3, 4 or 5                 |
| 8                        | 2, 3, 5 or 6                 |
| 9                        | 3 or 6                       |

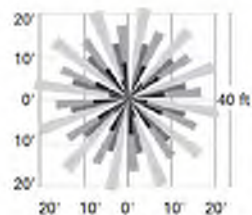
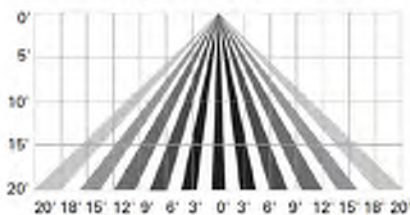
### Default Program Settings (Out of the Box Functionality)

| Occupancy Sensor  |        |       |                           |                 |
|-------------------|--------|-------|---------------------------|-----------------|
| Setting           | MS/DIM | SPB   | WaveLinx Lite (WOF / WOB) | WaveLinx (SWPD) |
| High Mode %       | 100%   | 100%  | 100%                      | 100%            |
| Low Mode %        | 10%    | 10%   | 50%                       | 50%             |
| Time Delay        | 5 min  | 5 min | 15 min                    | 15 min          |
| Cut Off Delay     | 1 hr   | 1 hr  | Disabled                  | Disabled        |
| Photocell Enabled | No     | No    | Yes                       | Yes             |

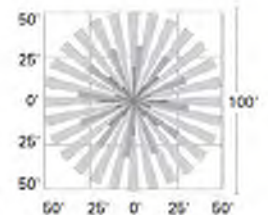
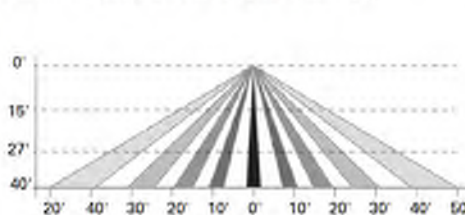
### WaveLinx Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx and WaveLinx Lite sensors utilize the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW), while the WOLC control module utilizes a 7-PIN receptacle. ZW option provides 4-PIN receptacle and control module to enable future installation of WaveLinx sensors. ZD option provides 4-PIN receptacle and sensor-ready (SR) driver to enable future installation of WaveLinx sensors, power monitoring, and advanced functionality. WaveLinx (SWPD4 to SWPD5) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinx Lite (WOF and WOB) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Lite mobile application for set-up and configuration. WAC not required. WaveLinx Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

#### For mounting heights up to 15' (SWPD4 and WOB)



#### For mounting heights up to 40' (SWPD5 and WOF)



### LumenSafe Integrated Network Security Camera (LD)

Cooper Lighting Solutions 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.

### Synapse (DIM10)

SimplySNAP integrated wireless controls system by Synapse. Includes factory installed DIM10 Synapse control module and FSP-201 motion sensor; requires additional Synapse system components for operation. Contact Synapse at [www.synapsewireless.com](http://www.synapsewireless.com) for product support, warranty and terms and conditions.





AERIAL PERSPECTIVE LOOKING WEST

## LD EAST CONTEMPORARY LODGE

CHESTERFIELD  
22-064

MISSOURI  
06-10-2024





PERSPECTIVE LOOKING NORTHWEST

## LD EAST CONTEMPORARY LODGE

CHESTERFIELD  
22-064

MISSOURI  
04-17-2024





PERSPECTIVE LOOKING SOUTHWEST

## LD EAST CONTEMPORARY LODGE

CHESTERFIELD  
22-064

MISSOURI  
04-17-2024





# LD EAST CONTEMPORARY LODGE

CHESTERFIELD  
22-064

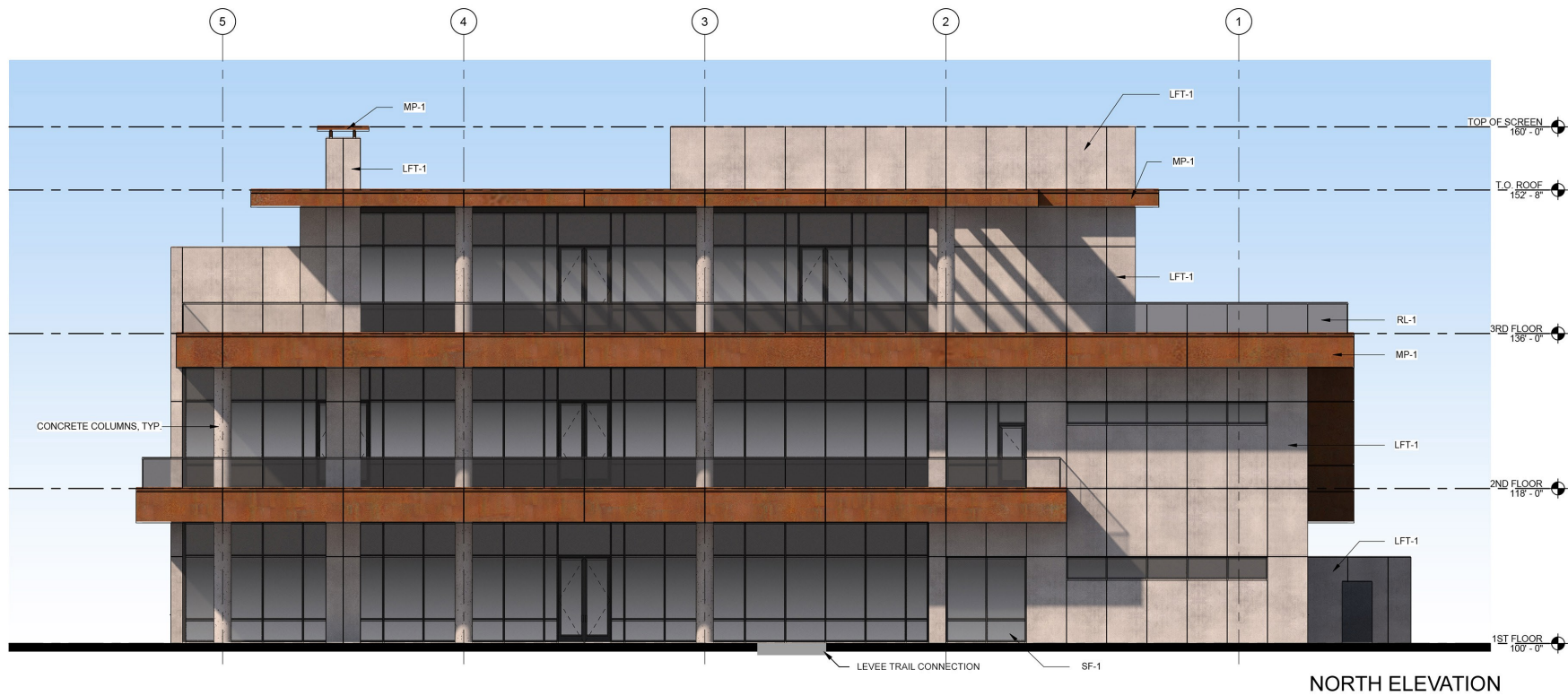
PSP 3.0

MISSOURI  
06-10-2024

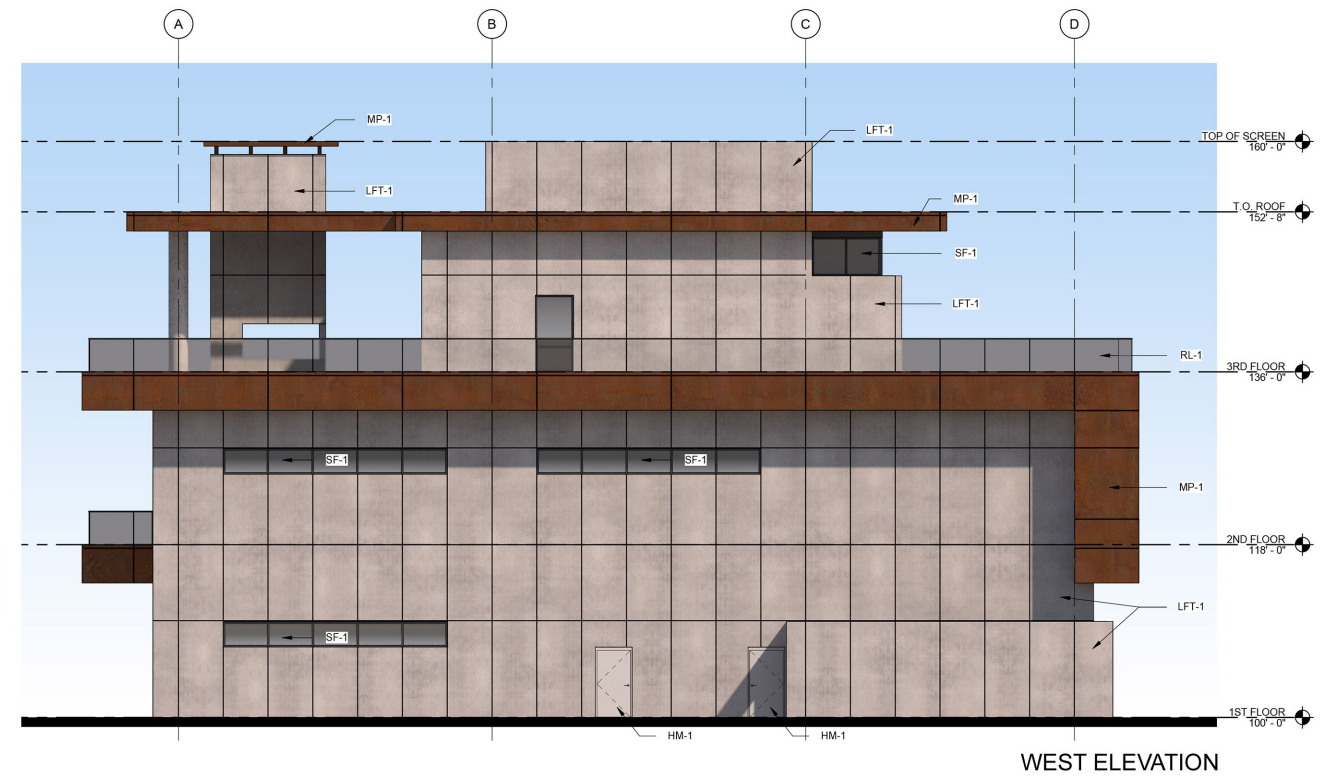




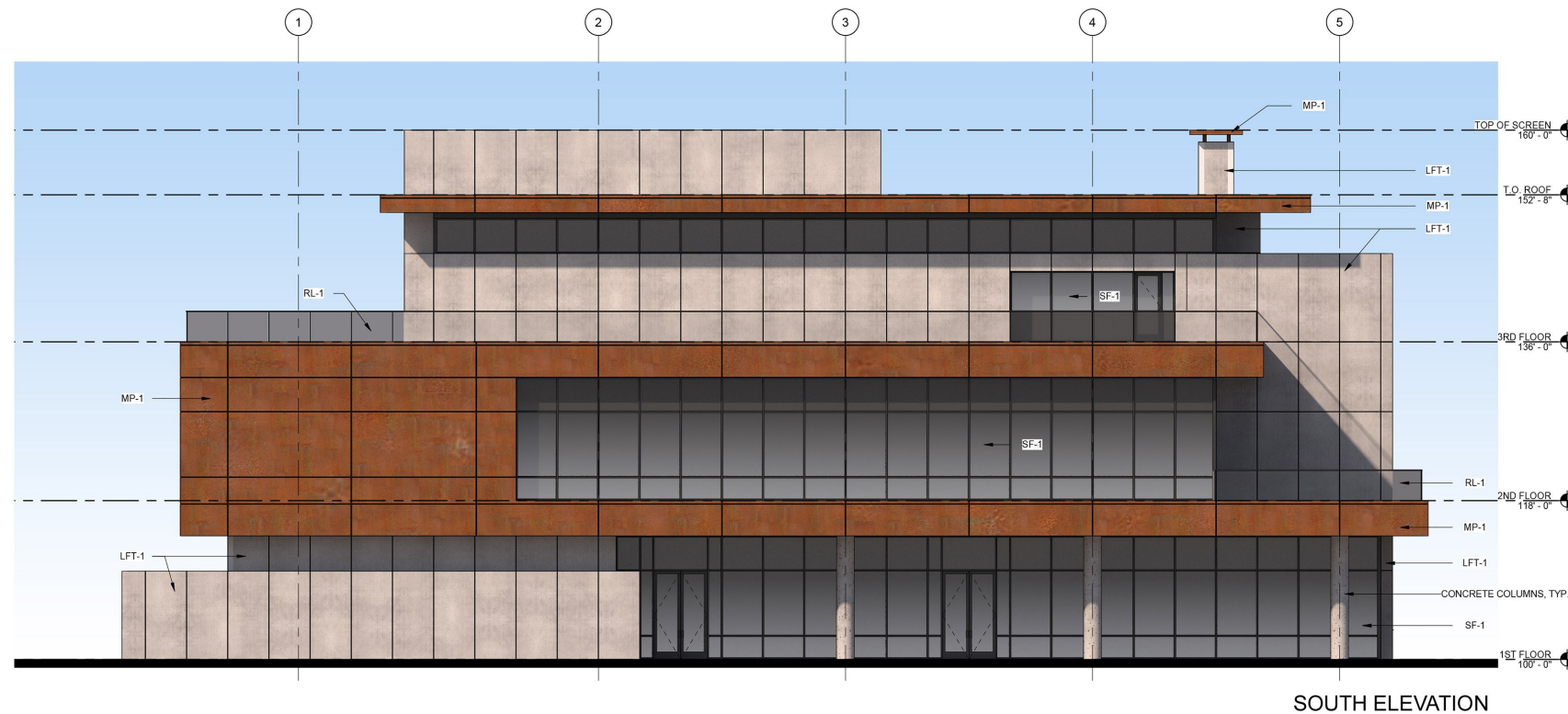




NORTH ELEVATION



WEST ELEVATION



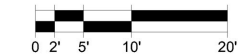
SOUTH ELEVATION



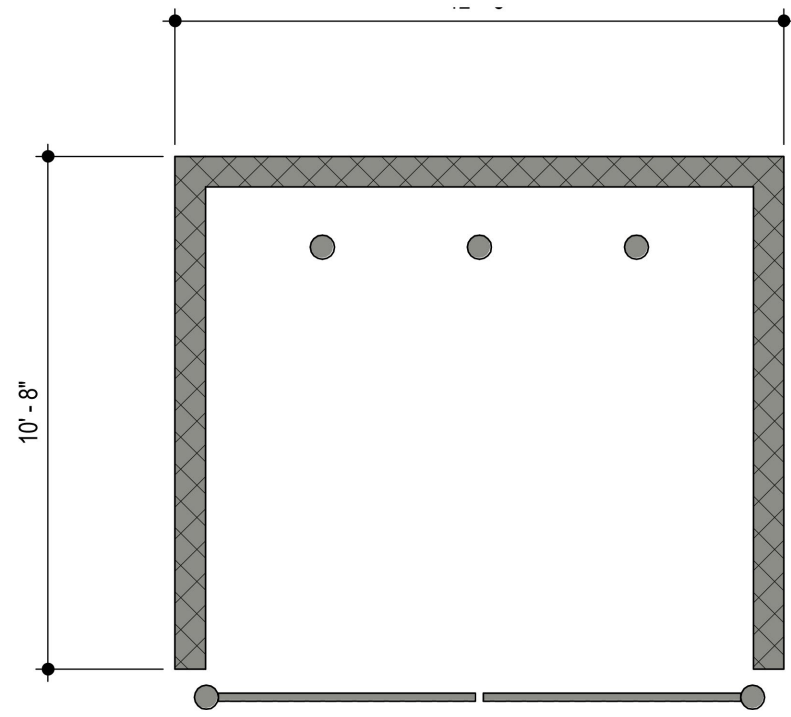
EAST ELEVATION

| EXTERIOR MATERIAL LIST |                   |   |
|------------------------|-------------------|---|
| CODE                   | MATERIAL          | COLOR / TYPE  |
| CMU-1                  | GROUND FACE CMU   | MANUF.: TRENWYTH, SERIES: TRENSTONE, COLOR: GRAY MARBLE                   |
| HM-1                   | METAL             | HOLLOW METAL DOOR, COLOR: TO MATCH LFT-1                                  |
| LFT-1                  | LARGE FORMAT TILE | MANUF.: DEKTON, COLOR: SOKE   |
| MP-1                   | COMPOSITE METAL   | MANUF.: ALUCOBOND, COLOR: RUSTED METAL (FAUX CORTEN STEEL PAINTED FINISH) |
| RL-1                   | GLASS GUARDRAIL   | CLEAR GLASS GUARDRAIL SYSTEM W ALUM. TOP RAIL, COLOR: TO MATCH STOREFRONT |
| SF-1                   | STOREFRONT        | 1" INSULATED CLEAR GLASS IN ALUM. STOREFRONT SYSTEM, COLOR: BLACK         |

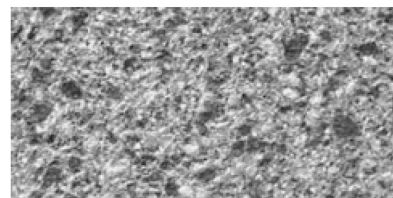
BUILDING ELEVATIONS



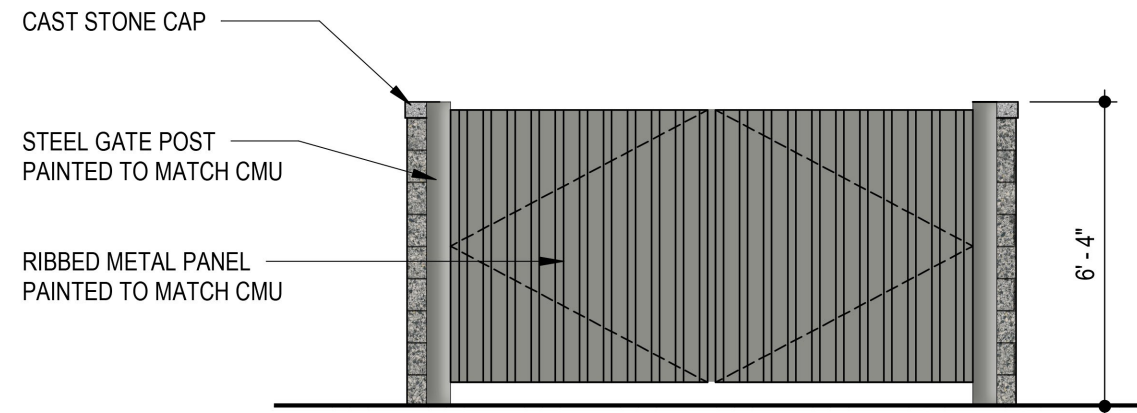




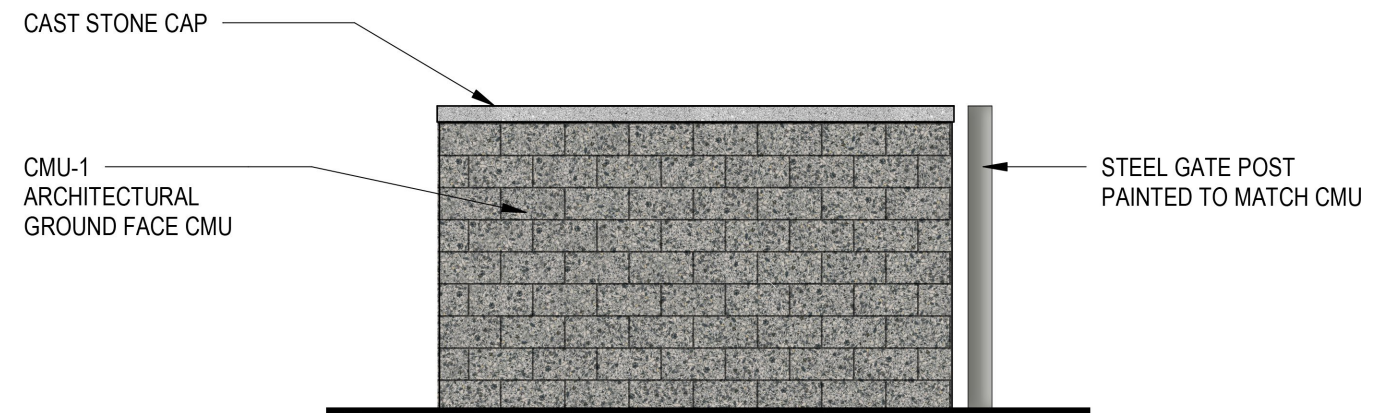
**1 TRASH ENCLOSURE**  
SCALE: 1/4" = 1'-0"



CMU-1  
ARCHITECTURAL CMU  
MANUF.: TRENWYTH  
SERIES: TRENDSTONE  
FINISH: GROUND FACE  
COLOR: GRAY MARBLE

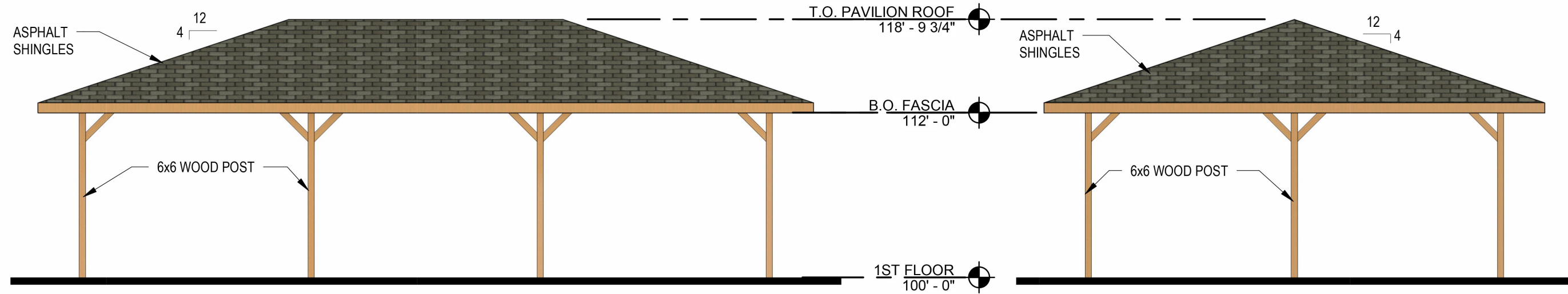


**2 Front Elevation**  
SCALE: 1/4" = 1'-0"



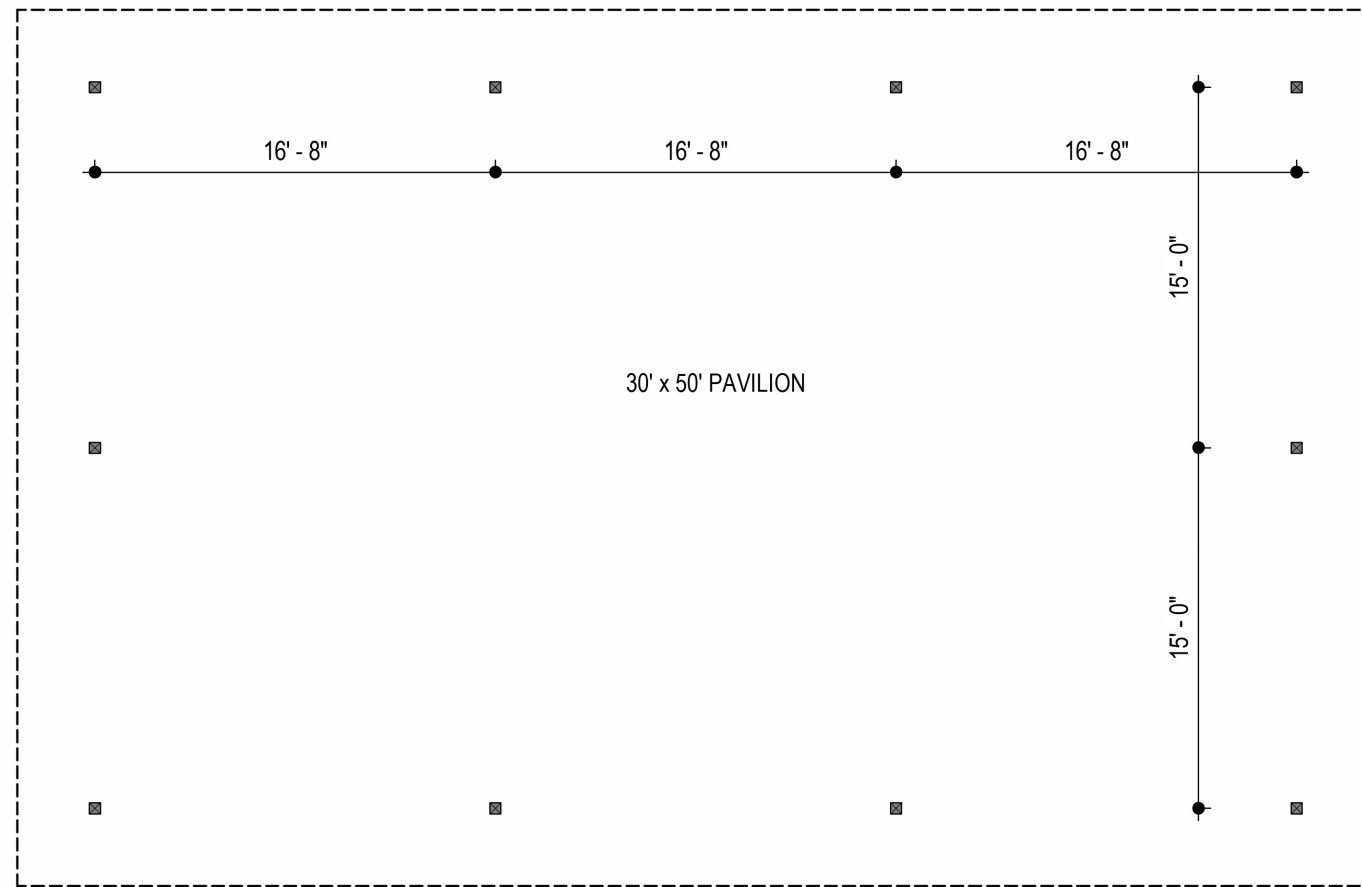
**3 Side Elevation**  
SCALE: 1/4" = 1'-0"





**2 SW AND NE ELEVATION**  
SCALE: 1/8" = 1'-0"

**3 SE AND NW ELEVATION**  
SCALE: 1/8" = 1'-0"



**1 PAVILION FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

