



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

Planning Commission Staff Report

Meeting Date: January 9, 2023

From: Alyssa Ahner, Planner

Location: 34 Arnage Road

Description: TSG Chesterfield Airport Road, Lot D (Scrubbles) SDSP: A Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for a 1.5-acre tract of land located north of Chesterfield Airport Rd., west of Jaguar Land Rover Way, and south of Arnage Rd.

PROPOSAL SUMMARY

Stock & Associates, on behalf of Tifton Car Wash, LLC., has submitted a Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for a proposed car wash on undeveloped land located along Chesterfield Airport Road.



Figure 1: Subject Site

HISTORY OF SUBJECT SITE

Pre-1988: Subject site zoned “NU” Non-Urban.

2017: Site was rezoned from “NU” Non-Urban to “PC” Planned Commercial under governing Ordinance 2969.

2020: Site was rezoned to a new “PC” Planned Commercial District under governing Ordinance 3082 and a Site Development Section Plan for Lot A (Jaguar Land Rover) was approved.

2022: Site was rezoned to a new “PC” Planned Commercial District under governing Ordinance 3206 to add “Car Wash” as a permitted use.

ZONING & LAND USE

The subject site is zoned “PC” Planned Commercial under the provisions of [Ordinance 3206](#).



Figure 2: Zoning Map



Figure 3: Land Use Map

Direction	Zoning	Land Use
North	“PC” Planned Commercial & Interstate 64	Autobody/Interstate 64
South	“PC” Planned Commercial & “NU” Non-Urban	Service Station/Church
East	“PC” Planned Commercial	Service Station
West	“PC” Planned Commercial	Car Dealership

COMPREHENSIVE PLAN

The City of Chesterfield Comprehensive Land Use Plan indicates the subject site as being part of the Regional Commercial land use designation. The City of Chesterfield provides a character description of this area as, "Areas that serve regional commercial needs (emphasizing retail, dining, entertainment, hotel, and leisure components) and draw visitors from both Chesterfield and the surrounding areas. Multiple buildings planned and developed together using unified project development standards". The development policies to Regional Commercial are listed below:

- Limit curb cuts on arterial streets, and where possible concentrate access at shared entrance points
- Primary entrance points should be aligned with access points immediately across the street
- Promote re-invention of existing tenant space to accommodate different users to increase the mix of uses and redefine the centers, allowing them to be modernized and remain relevant in the market
- Landscape buffering should be utilized between roadways to screen areas of surface parking
- Maintain pedestrian connectivity from transit stops to facilitate the large employment centers
- Secure infrastructure for safe walking and biking between lodging and attraction centers
- Residential projects should be limited to areas outside of the Chesterfield Valley

STAFF ANALYSIS

a. Circulation, Parking, & Access

The development is to be accessed by one bi-directional drive located on the west end of the northern property line along Arnage Road. Vehicles entering the site would travel counterclockwise to access the car wash. Upon exiting the car wash, vehicles may either turn right to exit the site using the same bi-directional drive they entered through or turn left to enter the vacuum stall area. The area shaded in red in Figure 3 to the right depicts the single access location.

A minimum of four (4) parking spaces are required for the development and there are five (5) parking spaces being provided. The remaining parking spaces/stalls are to be utilized as vacuum stations for customers.



Figure 4: Access Location on Arnage Road

b. Landscape Design & Screening

Chesterfield Airport Road is a minor arterial thus requiring a thirty (30) foot landscape buffer. A thirty (30) foot landscape buffer has been provided on the plan and will feature four (4) street trees in addition to a mixture of shrubs. The remainder of the site will feature a mixture of shrubs, grasses, perennials, and annuals in order to provide screening of the trash enclosure and vacuum equipment enclosures. The trash enclosure and vacuum equipment enclosures are to be constructed of masonry to match the proposed carwash building and will be located in the rear of the site along Arnage Road. A minimum of thirty-five percent (35%) openspace is required and forty-two percent (42%) is being provided.

A majority of the mechanical equipment for the car wash will be located within the car wash tunnel. One (1) piece of equipment will be located on the roof of the car wash tunnel and will be fully screened by the parapet.

c. Elevations

The car wash will predominantly feature brick masonry in what is described as “Best Brick Savannah Blend Field Brick”. The columns, seen on the east and west elevations, feature what is described as “Midwest Block Soft Gold Split-face CMU Piers & Wainscot”.

The two tower components (see Figure 5) of the building, which are purely an architectural feature, are comprised of white EIFS including a decorative cornice. The roof of the carwash and the canopy will be constructed of standing seam metal in a dark bronze. The dark bronze color will continue to be utilized for any of the metal components i.e., canopy, louvers, and vacuum canopies. The roll up doors for the car wash entrance/exit, seen on the north and south elevations, will be constructed of vinyl in the dark bronze color in addition to some transparent panels. The applicant’s packet provides further details and specifications for the roll up doors.

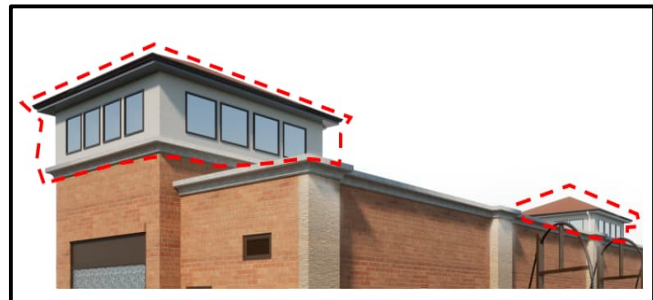


Figure 5: Tower Components of Car Wash

The majority of the site is flat, however, there is a minor grade change along the eastern and northern edges of the lot where there are two existing drainage ditches (see Figure 6 for reference). A retaining wall with a handrail is proposed along these edges to accommodate the 5’ wide required sidewalk. The wall profiles can be found on the Site Development Section Plan.



Figure 6: Drainage area along northeast corner of site

d. Lighting

There will be five light poles incorporated throughout the site. Per the property owner, these are to be the same light poles utilized throughout the remainder of the TSG Chesterfield Airport Road development. One wall pack will be utilized at the rear of the site on the north elevation of the building. All proposed lighting is code compliant.

ARCHITECTURAL REVIEW BOARD

This project was reviewed by Architectural Review Board on December 8th, 2022. At that time, the Board made the motion to forward the project to the Planning Commission with a recommendation to approve with the following conditions:

- Provide additional landscaping along Chesterfield Airport Road.
- Tone down the door colors to provide a more cohesive look throughout the building.
- Provide vacuum station canopy samples.

The applicant revised plans to address conditions made by Architectural Review Board. The door color was changed from a dark bronze color to a tan color and additional landscaping was provided along Chesterfield Airport Road. The manufacturer for the vacuum station canopies is experiencing delays thus a sample of the canopy was not able to be provided at this time.

RENDERINGS



STAFF RECOMMENDATION

Staff has reviewed the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations and found that it meets the requirements to be presented to the Planning Commission for review. Staff recommends action.

MOTION

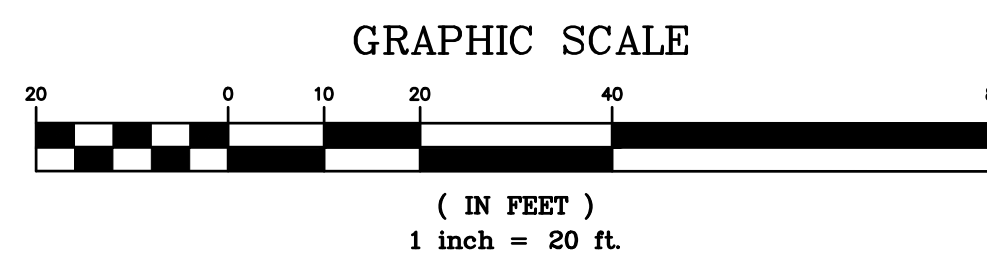
The following options are provided to the Planning Commission for consideration relative to this application:

- 1) "I move to approve (or deny) the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for TSG Chesterfield Airport Road, Lot D (Scrubbles), as presented.
- 2) "I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for TSG Chesterfield Airport Road, Lot D (Scrubbles) with the following conditions..."

(Conditions may be added, eliminated, altered or modified)

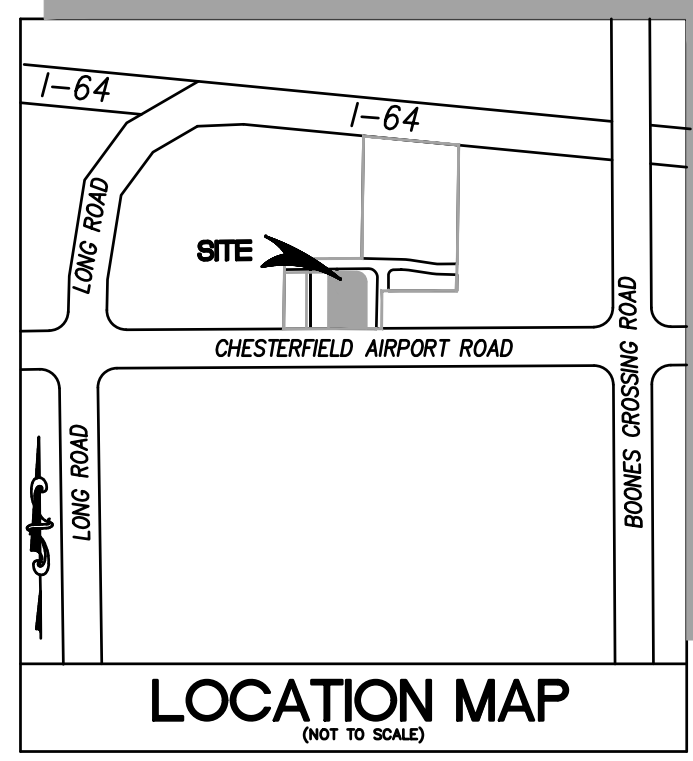
SITE DEVELOPMENT SECTION PLAN

A TRACT OF LAND BEING LOT D OF TSG CHESTERFIELD AIRPORT ROAD, A SUBDIVISION ACCORDING TO THE PLAT THERE OF AS RECORDED IN PLAT BOOK 368, PAGE 313, BEING PART OF U.S. SURVEYS 125 AND 126 IN, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI



ABBREVIATIONS

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



PERTINENT DATA

OWNER: TSG CHESTERFIELD AIRPORT ROAD LLC
 OWNER UNDER CONTRACT: TIFTON CAR WASH, LLC
 ADDRESS: 34 ARNAGE ROAD, CHESTERFIELD, MO 63005
 EXISTING ZONING: "PC" PLANNED COMMERCIAL (ORD. 3206)
 LOCATOR NO: 17U230403
 FIRE DISTRICT: MONARCH FIRE PROTECTION DISTRICT
 SCHOOL DISTRICT: METROPOLITAN ST. LOUIS SEWER DIST.
 WATER SHED: MISSOURI RIVER
 FEMA MAP: 2918C00165K
 ELECTRIC COMPANY: AMEREN UE
 GAS COMPANY: SPIRE INC.
 AT&T
 WATER COMPANY: MISSOURI AMERICAN WATER COMPANY

LEGEND

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

STATE PLANE

STATEMENT OF STATE PLANE COORDINATE TIE:

STATION: SL-38
 GRID FACTOR = 0.99991748
 NORTH (Y) = 314628.240
 EAST (X) = 239963.055

NOTE: 1 METER = 3.28083333 FEET

ALL STATE PLANE COORDINATES ARE IN METERS.

STATION: SL-38 ADJUSTED IN 2011

Station SL-38 to SL-38A grid Azimuth = 266 Degrees 49 Minutes 04 Seconds

The Missouri Coordinate System of 1983 East Zone Coordinate Values reported hereon were determined based upon a field traverse using Trimble GPS receivers and Total Stations, and that in my professional opinion, as a land surveyor registered in the State of Missouri, the reported State Plane Coordinates meet the current Missouri Standards for Property Boundary Surveys. The basis of bearings shown on this plat were adopted from Plat Book 339 Page 80. The grid bearing along the West line of Lot 2 on this plat is found to be North 00 degrees 54 minutes 34 seconds East. The measured bearing labeled along the same line is North 00 degrees 49 minutes 46 seconds East, 387.36 feet. The grid bearing from SL-38 to the Southwest corner on this plat is North 88 degrees 24 minutes 14 seconds East 105.294 meters with the scale factor applied.

LEGAL DESCRIPTION

A TRACT OF LAND BEING ALL OF PART OF LOT D OF TSG CHESTERFIELD AIRPORT ROAD A SUBDIVISION THEREOF AS RECORDED IN PLAT BOOK 368, PAGE 313, LOCATED IN TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE FIFTH PRINCIPAL MERIDIAN, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF ABOVE SAID LOT D, SAID POINT ALSO BEING LOCATED ON THE NORTH RIGHT-OF-WAY LINE OF CHESTERFIELD AIRPORT ROAD, VARIABLE WIDTH THENCE ALONG SAID RIGHT-OF-WAY LINE, SOUTH 89 DEGREES 35 MINUTES 35 SECONDS WEST, 194.56 FEET; THENCE DEPARTING SAID RIGHT-OF-WAY LINE, NORTH 00 DEGREES 24 MINUTES 25 SECONDS WEST, 311.29 FEET TO THE SOUTH LINE OF ARNAGE ROAD, 56 FEET WIDE; THENCE ALONG SAID SOUTH LINE, NORTH 89 DEGREES 35 MINUTES 32 SECONDS EAST, 152.34 FEET TO A POINT OF CURVATURE TO THE RIGHT, HAVING A RADIUS OF 45.00 FEET, AN ARC LENGTH OF 71.16 FEET TO A POINT OF TANGENCY, SAID POINT BEING LOCATED ON THE WEST LINE OF A PRIVATE ROAD (A.K.A JAGUAR LAND ROVER WAY), SAID POINT ALSO BEING LOCATED ON THE EAST LINE OF ABOVE SAID LOT D; THENCE ALONG THE COMMON LINE BETWEEN LOT D AND SAID PRIVATE ROAD, SOUTH 00 DEGREES 11 MINUTES 27 SECONDS WEST, 265.84 FEET TO THE POINT OF BEGINNING, CONTAINING 60,627 SQUARE FEET OR 1.392 ACRES, MORE OR LESS.

CONTRACTOR'S INSURANCE REQUIREMENTS

PRIOR TO OBTAINING A CONSTRUCTION PERMIT FROM THE METROPOLITAN ST. LOUIS SEWER DISTRICT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE DISTRICT WITH A COPY OF AN EXECUTED CERTIFICATE OF INSURANCE INDICATING THAT THE PERMITTEE HAS OBTAINED AND WILL CONTINUE TO CARRY COMMERCIAL GENERAL LIABILITY AND COMPREHENSIVE AUTO LIABILITY INSURANCE. THE REQUIREMENTS AND LIMITS SHALL BE AS STATED IN THE RULES AND REGULATIONS AND ENGINEERING DESIGN REQUIREMENTS FOR SANITARY AND STORMWATER DRAINAGE FACILITY, SECTION 10.090 (ADDENDUM).

UTILITY NOTE:

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

M.S.D. & STLCO BENCHMARK

BENCHMARK #1217 NGVD09 Elev = 460.08 FT US Standard 41mm aluminum disk stamped SL-38 situated in a grassy area northwest of the intersection of Chesterfield Airport Road and Caprice Drive, south of the parking for a retail store center approximately 0.1 miles east of Long Road, roughly 58 feet west of the centerline of Caprice Drive, 43 feet north of the centerline of Chesterfield Airport Road, and 69 feet east of a fire hydrant.

SITE BENCHMARK

BENCHMARK "SO" ON LIGHT POLE at the Southwest corner of 17505 Chesterfield Airport Road
 ELEV: 464.89

BUILDING REQUIREMENTS

- A MINIMUM OF THIRTY-FIVE (35%) OPENSOURCE FOR EACH LOT.
- A MAXIMUM F.A.R. OF 0.55 FOR THIS PC DISTRICT.

HEIGHT:

- MAX HEIGHT INCLUDING PARAPETS AND ROOFTOP EQUIPMENT OF ALL BUILDINGS SHALL NOT EXCEED FORTY-TWO (42) FEET.
- ALL BUILDINGS WITHIN THIS DEVELOPMENT SHALL BE LIMITED TO TWO (2) STORY CONSTRUCTION.

STRUCTURE SETBACKS:

- THIRTY (30) FEET FROM THE SOUTHERN BOUNDARY OF THIS PC DISTRICT THAT FRONTS ON CHESTERFIELD AIRPORT ROAD.
- FIFTY-FIVE (55) FEET FROM THE NORTHERN BOUNDARY OF THIS PC DISTRICT THAT FRONTS ON CHESTERFIELD AIRPORT ROAD.
- TEN (10) FEET FROM ALL OTHER BOUNDARY LINES WITHIN THIS PC DISTRICT.

PARKING SETBACKS:

- THIRTY (30) FEET FROM THE SOUTHERN BOUNDARY OF THIS PC DISTRICT THAT FRONTS ON CHESTERFIELD AIRPORT ROAD.
- FIFTY-FIVE (55) FEET FROM THE NORTHERN BOUNDARY OF THIS PC DISTRICT THAT FRONTS ON CHESTERFIELD AIRPORT ROAD.
- ZERO (0) FEET FROM ALL OTHER BOUNDARY LINES WITHIN THIS PC DISTRICT.

PARKING CALCULATIONS

REQUIRED PARKING [PER SECTION 405.04(4)(D)]

NUMBER OF EMPLOYEES ON MAX SHIFT = 4 EMPLOYEES

CAR WASH: 2 SPACES FOR EVERY 3 EMPLOYEES ON THE MAXIMUM SHIFT

MIN. REQUIRED: 4 EMPLOYEES x (2 SPACES/3 EMPLOYEES) = 2.67 OR 3 SPACES

TOTAL PROVIDED: 5 EMPLOYEE SPACES

OPENSOURCE CALCULATIONS

TOTAL SITE AREA: 60,627 S.F.

BUILDING/CANOPY/PAYSTATION: 5,396 S.F.

VEHICLE PAVEMENT: 28,048 S.F. (EXCLUDES AREA UNDER CANOPY/PAYSTATION)

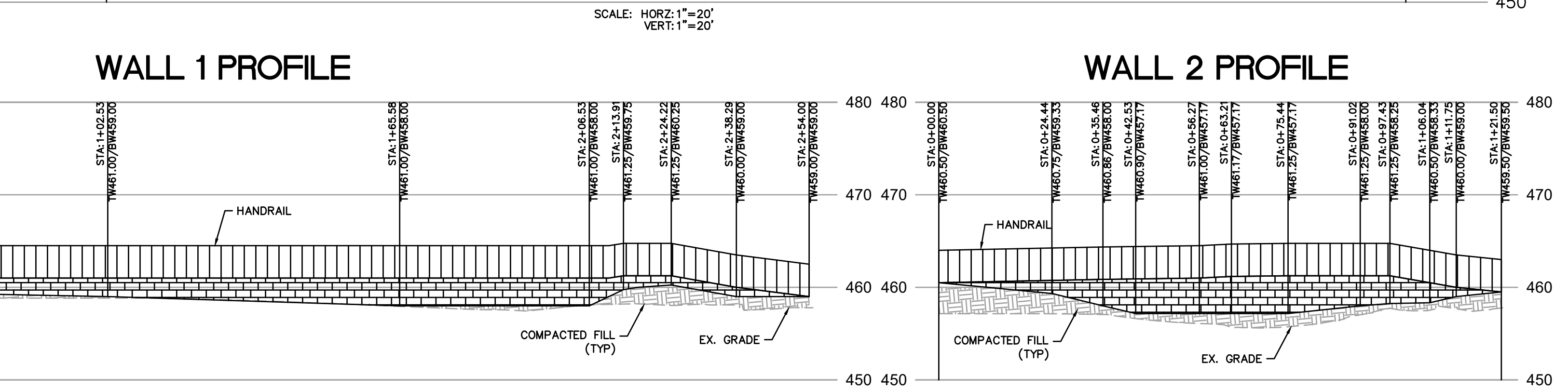
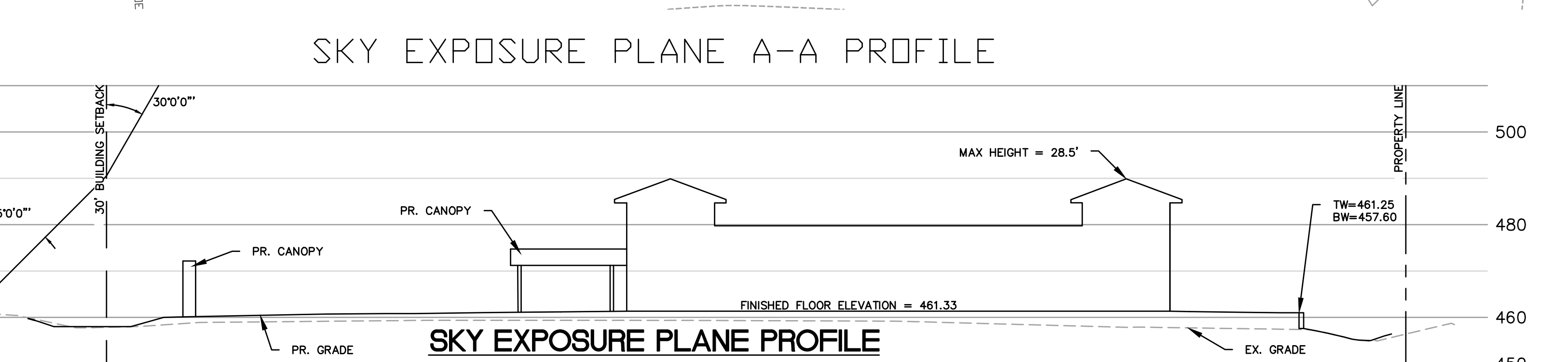
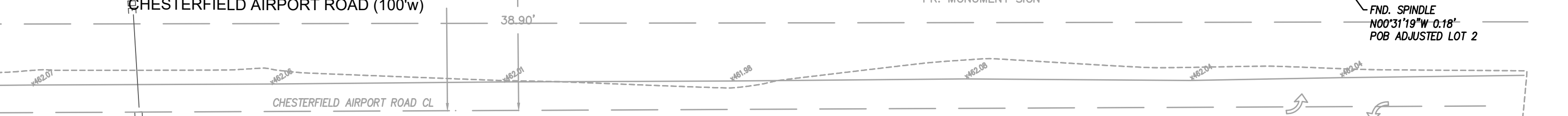
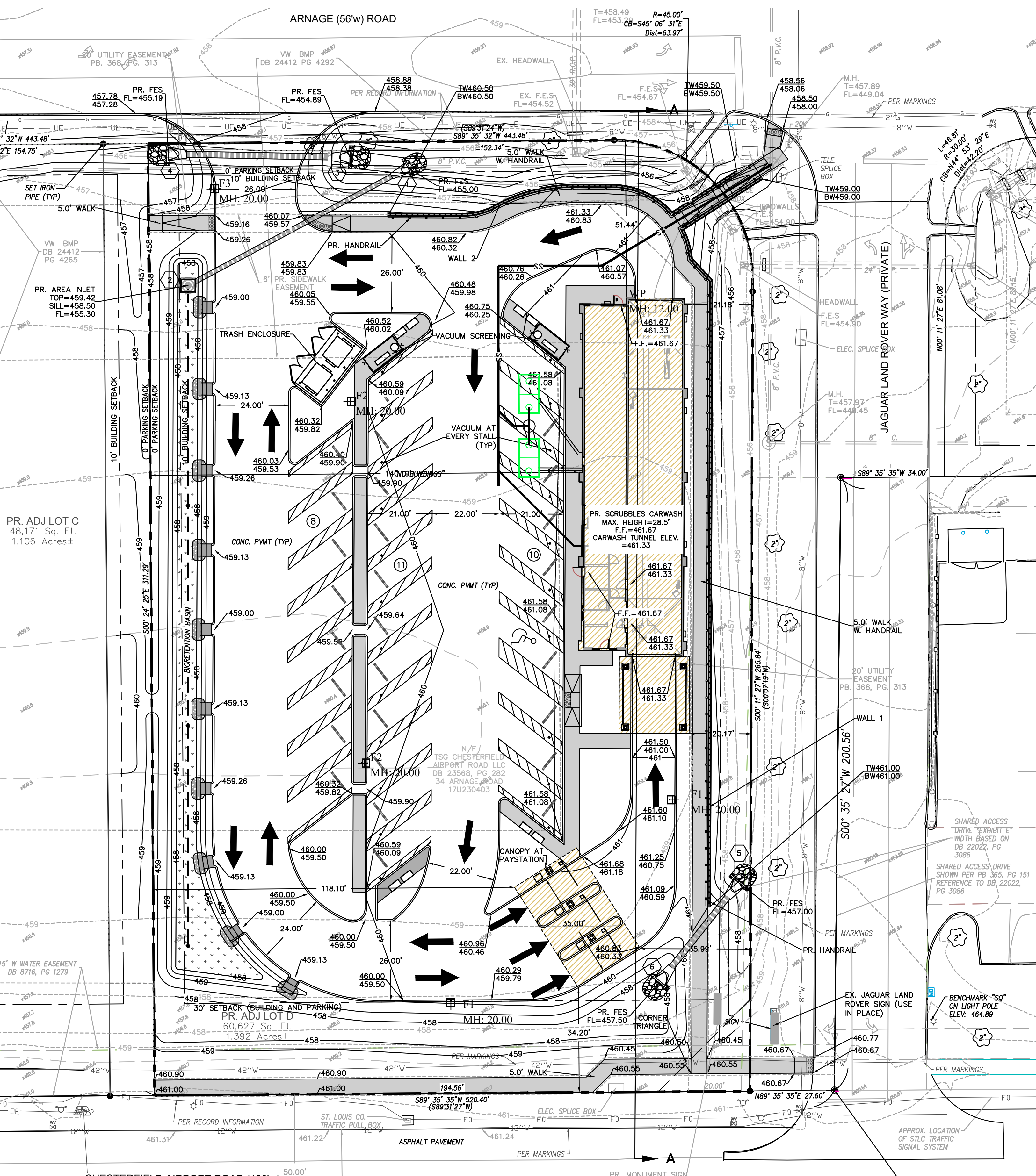
PERCENT OPENSOURCE: 60,627 - 5,396 - 28,048 = 27,183 OR 44.84%

GENERAL NOTES

- BOUNDARY AND TOPOGRAPHIC SURVEY BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC.
- ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS, THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED.
- NO GRADE SHALL EXCEED 3:1 SLOPE.
- GRADING AND STORM WATER PER M.S.D., MODOT, ST. LOUIS COUNTY, THE CITY OF CHESTERFIELD AND THE MONARCH CHESTERFIELD LEVEE DISTRICT.
- STORMWATER SHALL BE DISCHARGED AT ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- ALL UTILITIES WILL BE INSTALLED UNDERGROUND.
- SITE DEVELOPMENT SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL REPORT AND ALL ITS SUPPLEMENTAL PROVISIONS AND ADDENDUMS.
- SIGNAGE APPROVAL IS A SEPARATE PROCESS.
- THE CONTROLLING REGULATORY FLOORPLAN ELEVATION FOR THIS SITE IS THE 100-YEAR HIGH WATER ELEVATION OF 458.00 IN ACCORDANCE WITH THE CHESTERFIELD VALLEY STORMWATER MASTER PLAN.
- ALL ABOVE GROUND UTILITY FACILITIES TALLER THAN TWO (2) FEET IN HEIGHT OR COVERING IN EXCESS OF FOUR (4) SQUARE FEET IN SIZE SHALL BE SCREENED FROM PUBLIC VIEW IF SCREENING IS COMPLETED BY LANDSCAPE MATERIAL, A LANDSCAPE PLAN IDENTIFYING THE SIZE, LOCATION, AND SPECIES SHALL BE SUBMITTED AND APPROVED BY THE CITY PRIOR TO INSTALLATION OF ANY FACILITY.

ST. LOUIS COUNTY STANDARD NOTES

- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS.
- NO SLOPES SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL) WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY UNLESS JUSTIFIED BY A GEOTECHNICAL REPORT, WHICH HAS BEEN APPROVED BY ST. LOUIS COUNTY, AND DESIGNED IN FULL COMPLIANCE WITH ROADSIDE SAFETY STANDARDS.
- 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 ABOVE-GROUND UTILITIES OR OTHER POTENTIAL OBSTRUCTIONS WITHIN THE ST. LOUIS COUNTY ROAD RIGHT-OF-WAY, SHALL HAVE A MINIMUM SETBACK, AS DIRECTED BY THE ST. LOUIS COUNTY DEPARTMENT OF TRANSPORTATION, AS PRESCRIBED IN SECTION 5.10 OF THE ST. LOUIS COUNTY DESIGN CRITERIA MANUAL "ROADSIDE DESIGN REQUIREMENTS".
- 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 EXEPT BY THE STATE FOR PUBLIC ENTITIES. SUCH CERTIFICATE SHALL INCLUDE ST. LOUIS COUNTY AS AN ADDITIONAL INSURED AND SHALL BE PROVIDED PRIOR TO THE ISSUANCE OF ANY PERMIT. CERTIFICATE SHALL PROVIDE FOR A 30 DAY POLICY CANCELLATION NOTICE TO ST. LOUIS COUNTY. UPON REQUEST, THE COUNTY WILL PROVIDE THE SPECIFIC AMOUNTS FOR BOTH PER PERSON AND PER OCCURRENCE LIMITS.
- PRIOR TO "SPECIAL USE PERMIT" ISSUANCE BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC, A SPECIAL CASH ESCROW OR A SPECIAL ESCROW SUPPORTED BY AN IRREVOCABLE LETTER OF CREDIT, MAY BE REQUIRED TO BE ESTABLISHED WITH THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC TO GUARANTEE COMPLETION OF THE REQUIRED ROADWAY IMPROVEMENTS.
- TRAFFIC GENERATION ASSESSMENT CONTRIBUTIONS FOR ROADWAY IMPROVEMENTS AND STORM WATER SHALL BE ASSESSED WITH EACH SITE DEVELOPMENT SECTION PLAN SUBMITTAL. WATER MAIN CONTRIBUTION SHALL BE ASSESSED AND PAID FOR THE ENTIRE DEVELOPMENT PRIOR TO THE ST. LOUIS COUNTY APPROVAL OF THE SITE DEVELOPMENT CONCEPT PLAN. TGA CONTRIBUTION FOR STORM WATER WILL BE DUE PRIOR TO BUILDING PERMITS ISSUED BY ST. LOUIS COUNTY DEPARTMENT OF PUBLIC WORKS.



This Site Development Section Plan was approved by the City of Chesterfield Planning Commission and duly verified on the _____ day of _____, 2023, by the Chairperson of said Commission, authorizing the recording of this Site Development Section Plan pursuant to Chesterfield Ordinance No. 200, as attested to by the Director of Planning and Development Services and the City Clerk.

By: Justin Wynn, AICP
 Director of Planning
 City of Chesterfield, Missouri

By: Vickie McDonald, City Clerk
 City of Chesterfield, Missouri

TIFTON CAR WASH, LLC, the owner under contract of the property shown on this plan for and in consideration of being granted a permit to develop property under the provisions of Chapter _____ (Ordinance Number) of the City of Chesterfield (Ordinance Number) of the City of Chesterfield (Ordinance Number) of the City of Chesterfield, Missouri, do hereby agree and declare that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the Planning Commission or voided or vacated by order of ordinance of the City of Chesterfield Council.

TIFTON CAR WASH, LLC
 by: _____
 STATE OF MISSOURI }
 COUNTY OF ST. LOUIS } ss.

On this day of _____, 2023, before me personally appeared _____, who being by me duly sworn, did say he is the _____ and that said instrument was signed on behalf of said limited liability company, and that said _____ acknowledged said instrument to be the free act and deed of said limited liability company.

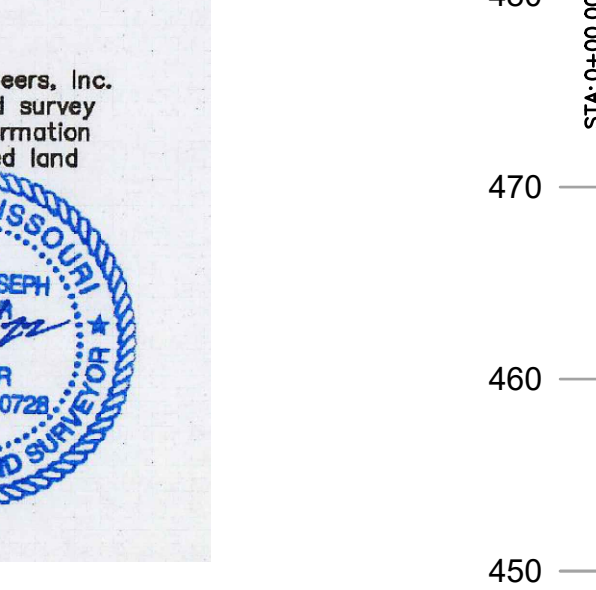
IN WITNESS WHEREOF, I have signed and sealed the foregoing the day and year first above written.

Notary Public
 Print Name
 My commission expires: _____

SURVEYOR'S CERTIFICATION

This is to certify that Stock & Associates Consulting Engineers, Inc. has prepared this Site Development Section 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 & ASSOCIATES CONSULTING ENGINEERS, INC.
 L.S. No. 222-1
 Walter J. Pfeiffer, Missouri L.S. No. 200800072



PREPARED BY: STOCK & ASSOCIATES Consulting Engineers, Inc.
 257 Chesterfield Business Parkway
 St. Louis, MO 63005 PH: (636) 530-9300
 500-9300 FAX: (636) 530-9300
 e-mail: general@stockandassociates.com
 Web: www.stockandassociates.com

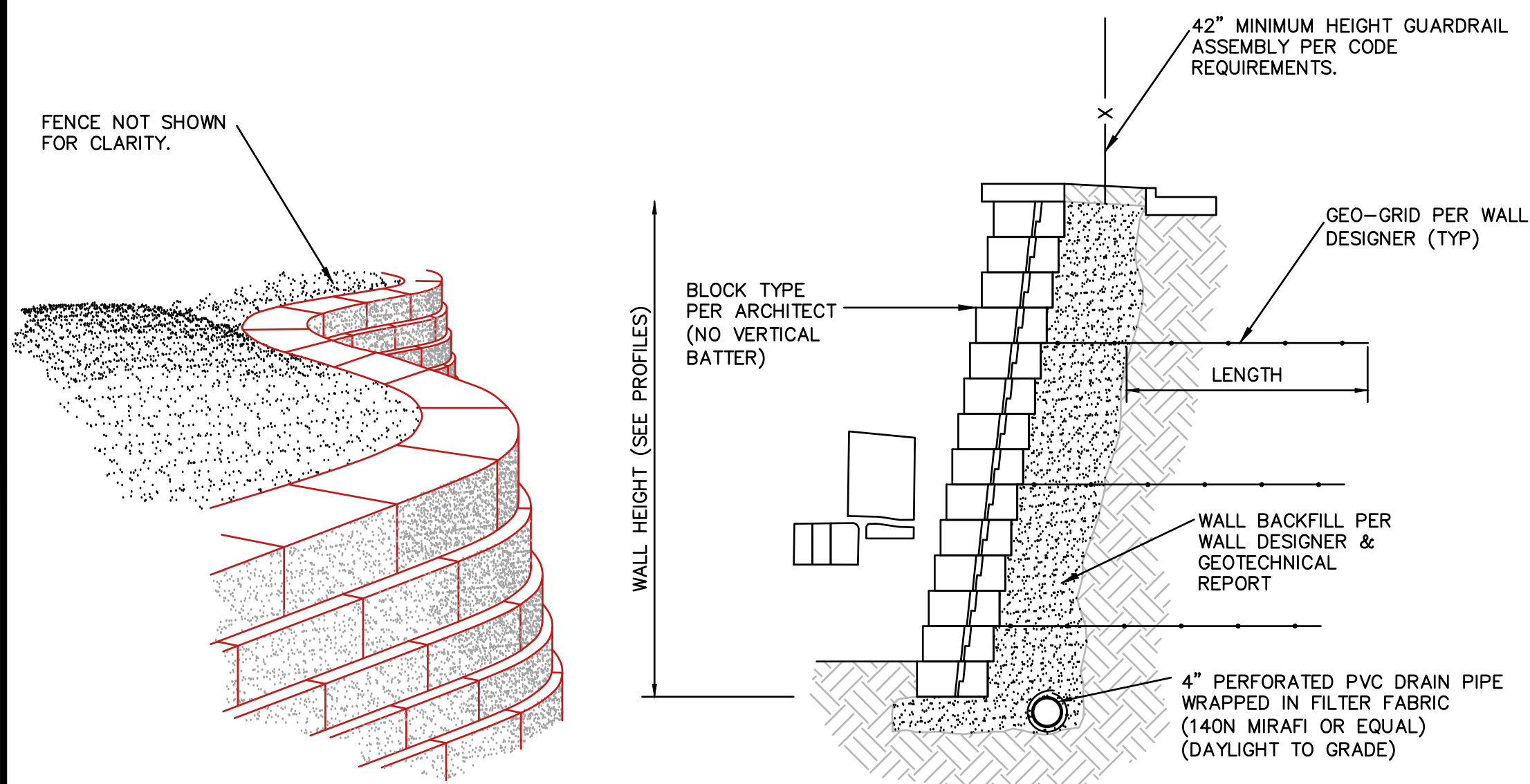
SITE DEVELOPMENT SECTION PLAN FOR: SCRUBBLES CARWASH
 34 ARNAGE ROAD
 CHESTERFIELD, MISSOURI

REVISIONS:
 1. CITY COMMENTS 11/02/22
 2. COUNTY COMMENTS 11/02/22
 3. CITY COMMENTS 12/16/22

GEORGE M. STOCK E-2516
 CIVIL ENGINEER
 CERTIFICATE OF AUTHORITY
 NUMBER: 00099

DRAWN BY: K.C.G.
 CHECKED BY: G.M.S.
 DATE: 11/14/2022
 JOB NO.: 2022-7230
 M.S.D. # _____
 RISE MAP # _____
 M.D.N.R. # _____
 HAT SUP. # _____

SHEET TITLE: SITE DEVELOPMENT SECTION PLAN
 SHEET NO.: SDSP-1.0



ISOMETRIC VIEW

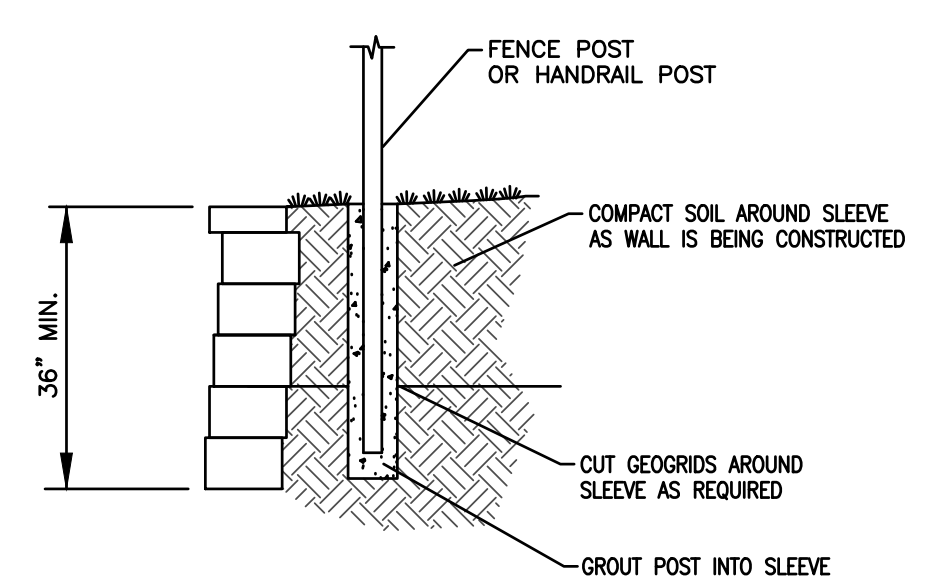
TYPICAL RETAINING WALL SECTION

(N.T.S.)
(NOT FOR USE IN ST. LOUIS COUNTY R/W)

- ALL CONSTRUCTION SHALL BE PER THE MANUFACTURERS RECOMMENDATIONS. GLOBAL AND FOUNDATION STABILITY SHALL BE VERIFIED BY PROJECT GEOTECHNICAL ENGINEER PRIOR TO DESIGN OF WALL & BID SUBMITTAL. FOOTING AND COMPACTION TESTING SHALL BE PERFORMED BY THE PROJECT GEOTECHNICAL ENGINEER.
- DESIGN AND GLOBAL STABILITY TO BE PERFORMED BY DESIGN/BUILD ENGINEER OF WALL SYSTEM, PRIOR TO SUBMITTAL OF BID.
- THE WALL PROFILE INFORMATION IS FOR CONCEPT ONLY. DETAILED SHOP DRAWINGS FOR THE PROPOSED RETAINING WALL SHALL BEAR THE SIGN AND SEAL OF A MISSOURI REGISTERED PROFESSIONAL ENGINEER SPECIALIZING IN RETAINING WALL DESIGN. DRAWINGS SHALL BE SUBMITTED TO THIS ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- GEOTECHNICAL ENGINEER SHALL DESIGN RETAINING WALL IN RELATION TO LOADS AND FOOTINGS OF BUILDINGS. DEPTH OF RETAINING WALL FOOTINGS SHALL BE DESIGNED TO PREVENT NO STEEPER THAN 1:1 ZONE OF INFLUENCE TO BOTTOM OF ADJACENT SEWERS AND WATERLINES (UTILITIES).
- VERIFY WALL SYSTEMS, MATERIALS, AND COLOR WITH OWNER AND ARCHITECT PRIOR TO DESIGN AND CONSTRUCTION.
- WALLS SHALL BE DESIGNED TO HAVE NO VERTICAL BATTER.
- WALL DESIGN FOR WALL #1 & #2 SHALL ACCOUNT FOR SURFACE DRAINAGE OVER WALL.

NOTE:
1. RETAINING WALLS REQUIRE SEPARATE APPROVAL & ISSUANCE OF A BUILDING PERMIT PRIOR TO CONSTRUCTION.

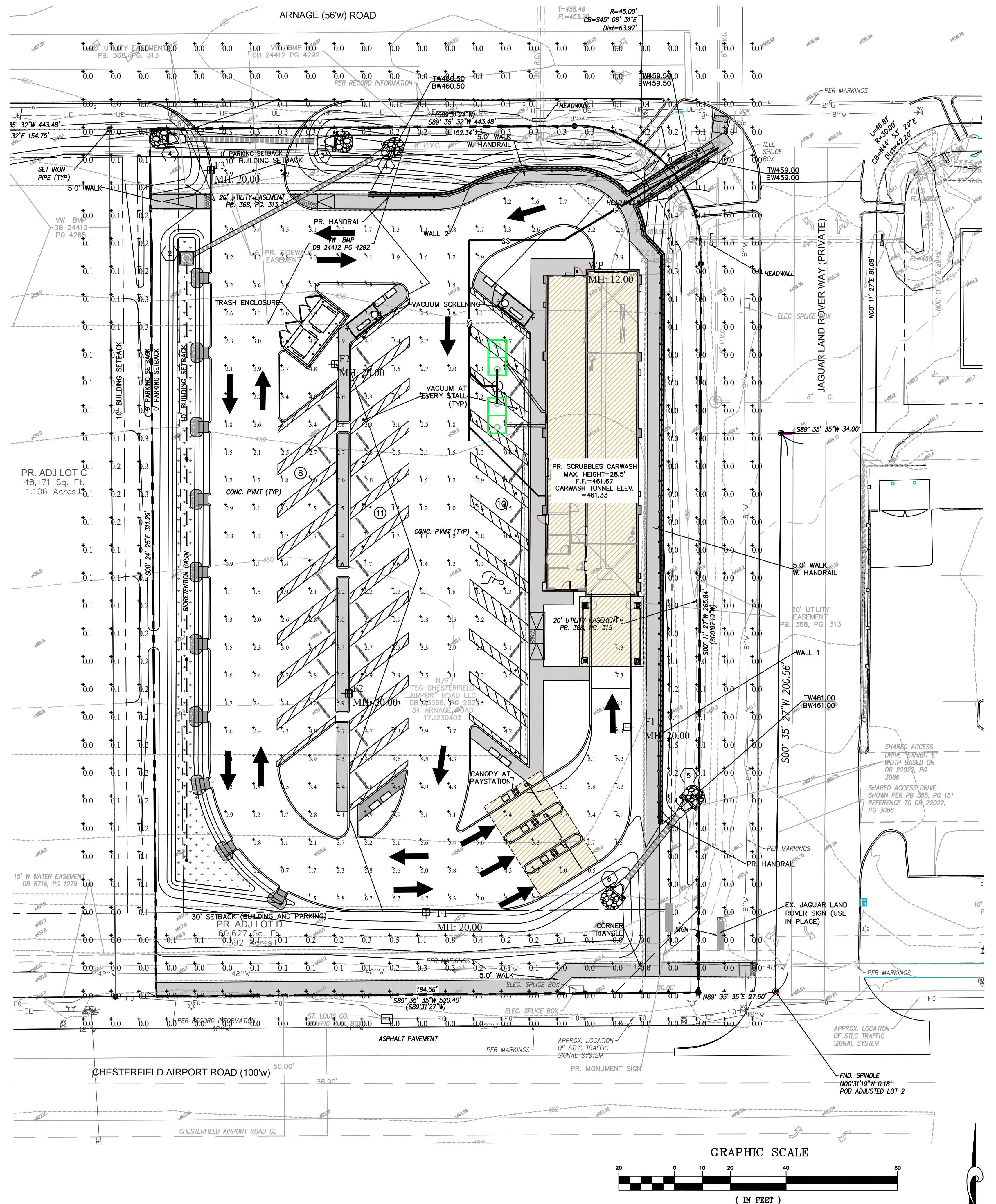
THE ABOVE INFORMATION IS A CONCEPT ONLY. ACTUAL DESIGN OF RETAINING WALL SHALL BE BY A LICENSED PROFESSIONAL ENGINEER & SUBMITTED TO STOCK & ASSOCIATES FOR GENERAL COMPLIANCE W/ GRADING PLAN.



FENCE DETAIL

NOT TO SCALE
DETAIL COURTESY OF *SPEN CONSULTANTS, 12/05/2003, 636-349-2225*

-PLACE SOUTHUR IN FILL AS BACKFILL IS BEING COMPACTED.
-THE FENCE DESIGN AND SUITABILITY IS THE RESPONSIBILITY OF OTHERS & SHALL BE PART OF WALL SHOP DRAWINGS.



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

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Illuminance	Fc	2.93	7.5	0.5	5.9	15.0
SPILL LIGHT	Illuminance	Fc	0.07	1.1	0.0	N.A.	N.A.

Symbol	Qty	Label	Arrangement	LLF	Lum. Watts	Total Watts	Description
[Symbol]	2	F1	Single	1.000	213	426	GALN-SA4C-740-U-T4FT-HSS
[Symbol]	2	F2	Single	1.000	213	426	GALN-SA4C-740-U-SWQ
[Symbol]	1	F3	Single	1.000	108	108	GALN-SA2C-740-U-SLR-HSS
[Symbol]	1	WP	Single	1.000	59	59	GWC-SA1C-740-U-T4FT

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.

Classic 8

Team Rockwood
Team Rockwood

The Advantages of the Classic 8 System...

It's Fast...
Located on the underside of each Classic 8 block, the 4" x 2" Anchor Bar creates an automatic setback with the highest shear resistance in the industry. Plus, Classic's fewer pieces, pinless design, and lower weight per square foot reduce construction time, labor costs, and freight charges.

It's Simple...
"One Unit" construction is a vital element of Classic's superior design. 90° corners and half blocks are made simply by removing a portion of the block. No special blocks are required; no special inventories are needed; no shortages occur on the job site!

It's Strong...
Upon assembly, Classic blocks automatically create 4" x 9" vertical "stone columns." When layered with grid, the gravel filled "stone columns" provide a multi-point setback, for a more uniform block-to-grid connection.

It's Versatile...
Variable setbacks, sharp radius turns, "One Unit" construction, and complete interchangeability are all features of Rockwood's Classic System. The ability to mix various sizes and colors within a wall enhances your imagination without sacrificing structural integrity. Plus, the Anchor Bar allows you to build at any setback you desire - from 0" to 14", providing the only "true" vertical setback in the industry.

Classic 8 Blocks

Unit specifications, availability, color, and finish options vary by manufacturer. Please contact your nearest Rockwood manufacturer or dealer for more information.

Standard Size
Size: 8" x 12" W x 12" D
Weight: 80 lbs.

Battered Size
Size: 8" x 12" W x 12" D
Weight: 80 lbs.

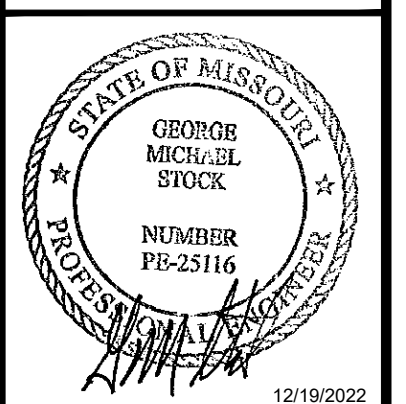
Base
Size: 8" x 12" W x 12" D
Weight: 80 lbs.

Appearance
Dependability
Efficiency

ROCKWOOD
RETAINING WALLS
A better way.

Minneapolis, MN 55906
88.4045
29.2871
29.2879
rockwoodwalls.com

Available at:



12/18/2022

GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 00099

REVISIONS:

NO.	CITY COMMENTS	DATE
1	CITY COMMENTS	11/09/22
2	COUNTY COMMENTS	11/09/22
3	CITY COMMENTS	12/18/22

DRAWN BY: K.C.G.	CHECKED BY: G.M.S.
DATE: 11/14/2022	JOB NO. 2022-7230
M.S.D. #	BASE MAP #
S.L.C. MAT # 7878	MAT SUP. #
M.D.N.R. #	

REVISIONS	BY
11/22/2022	RVM
12/17/2022	RVM

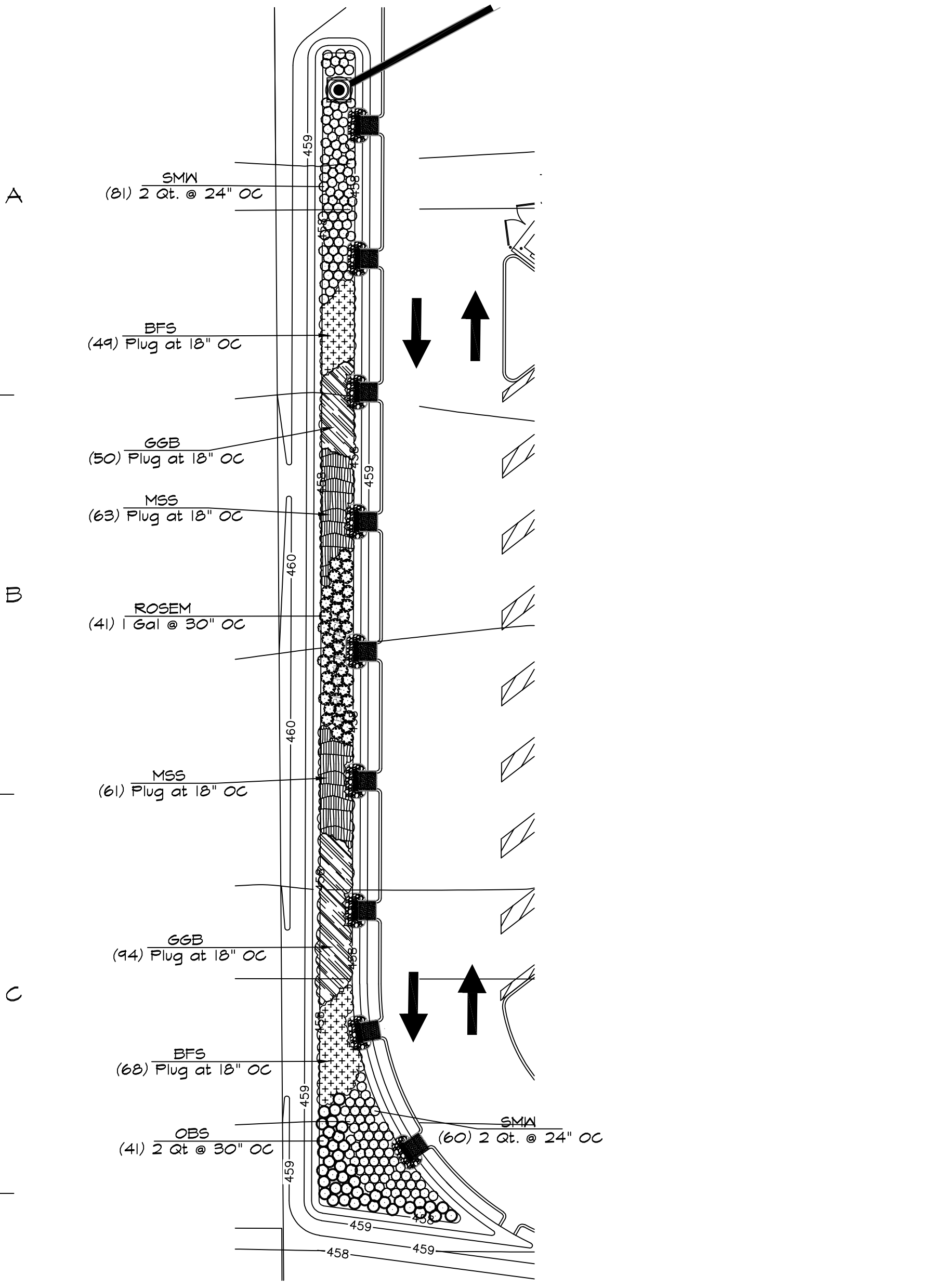
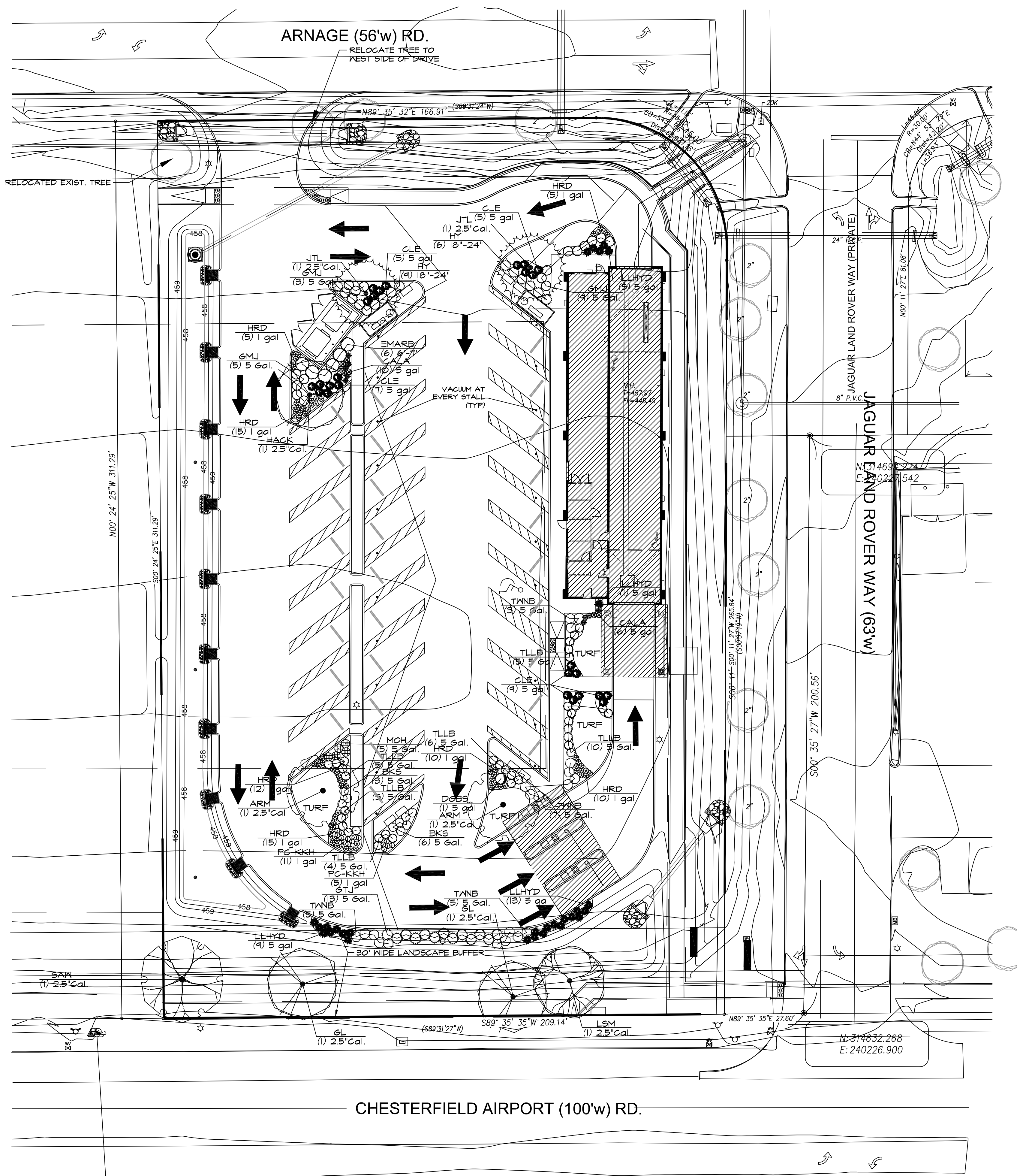
Landscare TECHNOLOGIES
 67 Jacque Creek Drive
 St. Louis, MO 63105
 (636) 490-1250
 MISSOURI LANDSCAPE ARCHITECT #000019
 MISSOURI ARCHITECTURAL CORPORATION #2002002928
 DATE: 12/17/2022

MASTER PLANTING PLAN FOR THE PROPOSED
Scrubbles Car Wash
 34 ARNAGE ROAD CHESTERFIELD, MO 63005

DRAWN
 R. MARDIS
 CHECKED
 RVM/GLB
 DATE
 11/9/2022
 SCALE
 1"=20'-0"
 JOB No.
 2022-173
 SHEET
L-1
 OF TWO SHEETS

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

- PLEASE NOTE:**
- ALL LANDSCAPE AREAS & ISLANDS SHALL BE PROVIDED WITH A MECHANICAL IN-GROUND IRRIGATION SYSTEM (BY OTHERS), COORDINATE LANDSCAPING WITH IRRIGATION CONTRACTOR.
 - ALL PLANTING BEDS TO BE EDGED W/ SPADE-CUT EDGE UNLESS OTHERWISE NOTED.
 - ADJUST TREE LOCATIONS FOR LIGHT STANDARDS AND UNDERGROUND UTILITIES.
 - NO TREES OR OTHER OBSTRUCTIONS SHALL BE LOCATED WITHIN 6 FEET OF FIRE HYDRANTS.
 - ALL SHRUBS/PERENNIALS WITHIN 35' SIGHT TRIANGLE ZONES TO BE MAINTAINED AT A MAXIMUM HEIGHT OF TWENTY FOUR INCHES (2 FEET); ALL TREES TO BE MAINTAINED WITH A CLEAR HEIGHT FROM GRADE OF TEN (10) FEET.
- STREET TREES: 1 per 50 LF FRONTAGE**
- 484.93 LF FRONTAGE @ ARNAGE ROAD/LAND ROVER WAY, REQUIRING TEN (10) TREES @ 2.5" CALIPER. TEN (10) TREES ARE EXISTING AND DELINEATED AS HALF-TONE.
 - 194.57 LF FRONTAGE @ CHESTERFIELD AIRPORT ROAD, REQUIRING FOUR (4) TREES @ 2.5" CALIPER. FOUR (4) TREES ARE PROPOSED.
 - STREET TREES SHALL NOT BE PLANTED CLOSER THAN THREE (3) FEET FROM ANY CURB. STREET TREES SHALL ALSO NOT BE PLACED WITHIN TWENTY FIVE (25) FEET OF STREETLIGHTS, STREET SIGNS, INTERSECTIONS OR WITHIN TEN (10) FEET FROM INLETS OR MANHOLES.
- TOTAL TREES: 15 TOTAL --- 3 FAST GROWTH (20%) and 12 SLOW-MEDIUM GROWTH (80%)**
- 7 DECIDUOUS SHADE TREES (47%)
 6 EVERGREEN TREES (40%)
 2 ORNAMENTAL TREES (13%)
- SITE COVERAGE CALCULATIONS:**
- | | | | |
|------------|-------------|------|--------------|
| TOTAL SITE | 60,627 S.F. | 100% | (1.39 Acres) |
| BUILDING | 4,795 S.F. | 8% | (0.11 Acre) |
| PAVEMENT | 30,392 S.F. | 50% | (0.70 Acre) |
| OPEN SPACE | 25,440 S.F. | 42% | (0.58 Acre) |



BIO-RETENTION LANDSCAPE
 SCALE: 1"=20'-0"

PLANTING, WATER and MULCH REQUIREMENTS

WATER AVAILABILITY	REQUIRED PLANTING PERIOD	MINIMUM CONTAINER SIZE	WATER REQUIREMENT FIRST 3 WEEKS	WATER REQUIREMENT AFTER 3 WEEKS	MAXIMUM MULCH DEPTH
NO AVAILABILITY TO WATER AFTER	LATE FEB - EARLY APR	2.25"x3.75" LARGER	1" (60 MIN) EVERY 4 DAYS	1" (60 MIN) EVERY 7 DAYS UNTIL PLANTS ESTABLISHED	1.5" FOR PLUGS 2.5" FOR QUARTS
MANUAL WATERING WITH STANDARD SPRINKLER	LATE FEB - EARLY APR	4.5"x6" OR LARGER	1" (60 MIN) EVERY 4 DAYS	1" (60 MIN) EVERY 7 DAYS UNTIL PLANTS ESTABLISHED	1.5" FOR PLUGS 2.5" FOR QUARTS
AUTOMATIC IRRIGATION WITH STANDARD SPRINKLER	LATE FEB - EARLY APR	2.25"x3.75" LARGER	1" (60 MIN) EVERY 4 DAYS	1" (60 MIN) EVERY 7 DAYS UNTIL PLANTS ESTABLISHED	1.5" FOR PLUGS 2.5" FOR QUARTS

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

- NOTE:**
- ALL NATIVE GRASS PLUGS ARE TO BE A MINIMUM 4.5" DEEP X 2" DIAMETER
 - CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS TO BE APPROVED BY THE PROJECT ENGINEER AND MSD. CONTACT MSD AT 314/995-2072.
 - DURING CONSTRUCTION THE BIO-RETENTION AREAS MAY TRAP SEDIMENT. FINAL CONSTRUCTION AND PLANTING OF THE BIO-RETENTION AREAS SHALL BE COMPLETED AFTER SILT AND DEBRIS IS REMOVED.
 - HEAVY EQUIPMENT SHALL BE KEPT OFF OF THE SOIL MIX DURING CONSTRUCTION OPERATIONS TO AVOID COMPACTING, FOOT TRAFFIC AND PRE-SOAKING TO AID NATURAL COMPACTION IS ALLOWABLE.
 - SOIL PH SHALL FALL IN THE RANGE OF 5.5 AND 7.
 - SEE CIVIL DRAWINGS FOR CROSS-SECTIONAL DETAILS OF MULCH AND SOIL MAKEUP.

IRRIGATION GUIDELINE SPECS:

- GENERAL:**
- 1) System shall be designed for 30 gpm @ 80 PSI. Contractor to field verify actual conditions.
 - 2) Exact tap, backflow and controller location to be coordinated with owner or owner's representative.
 - 3) All control wiring to be 14 ga. Minimum 3 extra strands to be installed in each direction from the controller to the end of the mainline.
 - 4) All piping to be sleeved in SCH40 PVC when passing under hardscape. PVC Sleeve to be a minimum of twice the size of pipe(s) running through.
 - 5) Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the irrigation contractor's responsibility to determine or verify the existence of and exact location of the above (Call 1-800-DIG-RITE).
 - 6) It shall be the irrigation contractor's responsibility to:
 - A) Verify all existing and proposed features shown on the drawings prior to commencement of work.
 - B) Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.

MISSOURI ONE CALL SYSTEM INC.
 1-800-DIG-RITE
 STOP-CALL BEFORE YOU DIG

1-800-DIG-RITE

0 20 40 60 feet
 SCALE: 1" = 20'

- NOTE:**
- MSD BASE MAP 17U
 - FH N.A.
 - ZIP CODE: 63005

LANDSCAPE GUIDELINE SPECS:

2022-11-02 20:35

GENERAL:

- All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment. Contractor shall at all times protect all materials and work against injury to public.
- The landscape contractor shall be responsible for any coordination and sequencing with other site related work being performed by other contractors. Refer to additional drawings for further coordination of work to be done.
- Underground facilities, structures and utilities must be considered approximately only. There may be others not presently known or shown. It shall be the landscape contractor's responsibility to determine or verify the existence of and exact location of the above (call utility location services in municipal).
- Plant material are to be planted in the same relationship to grade as was grown in nursery conditions. All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before planting of plants. Plant groundcover to within 12" of trunk of trees or shrubs planted within the area.
- It shall be the landscape contractor's responsibility to:
 - Verify all existing and proposed features shown on the drawings prior to commencement of work.
 - Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
 - Stake the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect ten (10) days prior to installation.
- Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify all quantities and conditions prior to implementation of this plan. No substitutions of types or size of plant materials will be accepted without written approval from the landscape architect.
- Provide single-stem trees unless otherwise noted in plant schedule.
- All plant material shall comply with the recommendations and requirements of ANSI Z60.1 "American Standards for Nursery Stock".
- It shall be the contractor's responsibility to provide for inspection of the plant material by the Landscape Architect (or Owners' Representative) prior to acceptance. Inspections may take place before, during or after installation. Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscape contractor's expense.
- All bids are to have unit prices listed. The Owner has the option to delete any portion of the contract prior to signing the contract or beginning work. This will be a unit price contract; quotes shall be valid for 12 months.
- Should excavator equipment be utilized in excavating any plant pits, vertical sides of plant pits shall be thoroughly scarified to avoid creation of "polished side walls" prior to plant material installation.
- All excess topsoil, rocks, debris and/or tainted soils shall be removed by the general contractor prior to point project is turned over to the landscape contractor to commence landscape installation.
- Keep all plant material (except turf) a minimum of 36" clear of fire hydrants.
- Landscape contractor shall kill & remove all existing weeds within the project site.
- All tags, nursery stakes, labels, etc. shall be removed by the landscape contractor at completion of all landscape installation.
- Landscape contractor shall be in compliance with all federal, state and local laws / regulations relating to insect infestation and/or plant diseases.
- All substitutions of plant material shall be submitted to landscape architect for approval.

PRUNING:

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

INSURANCE:

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

MULCH:

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

MAINTENANCE:

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

SIGHT TRIANGLES:

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

TOPSOIL:

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

WARRANTY:

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

PLANT SCHEDULE

TREES	QTY	COMMON / BOTANICAL NAME	CATEGORY	SIZE	MATURE HEIGHT	GROWTH RATE
ARM	2	Armstrong Red Maple / <i>Acer rubrum</i> 'Armstrong'	D	2.5' Cal	25 - 65' ht.	Fast
HACK	1	Common Hackberry / <i>Celtis occidentalis</i>	D	2.5' Cal.	40 - 65' ht.	Med. / Fast
GL	2	Greenspire Littleleaf Linden / <i>Tilia cordata</i> 'Greenspire'	D	2.5' Cal.	40 - 65' ht.	Slow
LSM	1	Legacy Sugar Maple / <i>Acer saccharum</i> 'Legacy'	D	2.5' Cal.	40 - 65' ht.	Slow
SAW	1	Santooth Oak / <i>Quercus acutissima</i>	D	2.5' Cal.	40 - 65' ht.	Slow

EVERGREEN TREES	QTY	COMMON / BOTANICAL NAME	CATEGORY	SIZE	MATURE HEIGHT	GROWTH RATE
EMARB	6	Emerald Arborvitae / <i>Thuja occidentalis</i> 'Emerald'	E	6'-7'	15 - 20' ht.	Slow - Moderate

FLOWERING TREES	QTY	COMMON / BOTANICAL NAME	CATEGORY	SIZE	MATURE HEIGHT	GROWTH RATE
JTL	2	Ivory Silk Japanese Tree Lilac / <i>Syringa reticulata</i> 'Ivory Silk'	O	2.5' Cal.	15 - 25' ht.	Slow - Fast

SHRUBS	QTY	COMMON / BOTANICAL NAME	SIZE
BKS	9	Blue Kazoo Spirea / <i>Spiraea japonica</i> 'Double Play Blue Kazoo'	5 Gal.
DGBS	1	Dwarf Globe Blue Spruce / <i>Picea pungens</i> 'Globosa'	5 gal
GMJ	17	Green Mound Juniper / <i>Juniperus procumbens</i> 'Green Mound'	5 Gal.
HY	15	Hicks Yew / <i>Taxus media</i> 'Hicksii'	18"-24"
LLHYD	28	Little Lime Hydrangea / <i>Hydrangea paniculata</i> 'Little Lime'	5 gal
MOH	5	Munchkin Oakleaf Hydrangea / <i>Hydrangea quercifolia</i> 'Munchkin'	5 Gal.
TWNB	20	Tiny Wine Ninebark / <i>Physocarpus opulifolius</i> 'Tiny Wine'	5 Gal.
TLLB	35	Titan Littleleaf Boxwood / <i>Buxus sinica</i> 'Titan'	5 Gal.
CLE	26	'Hummingbird' Summersweet / <i>Clethra alnifolia</i> 'Hummingbird'	5 gal
GTJ	13	Gold Tip Juniper / <i>Juniperus chinensis</i> 'Gold Tip'	5 gal

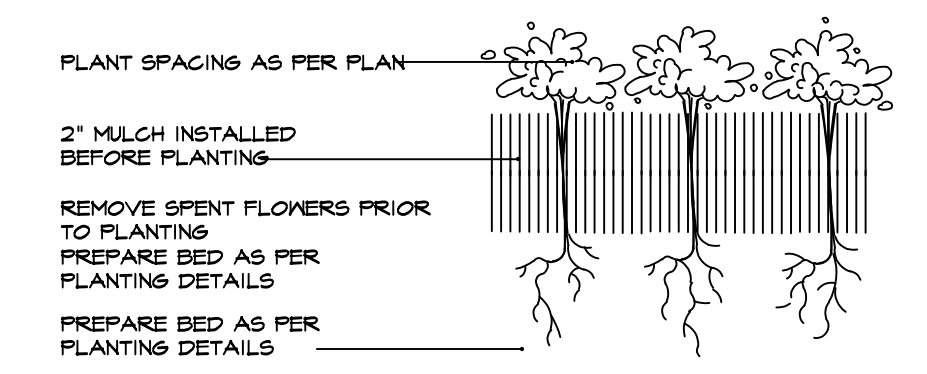
ANNUALS/PERENNIALS	QTY	COMMON / BOTANICAL NAME	SIZE
HRD	72	Happy Returns Daylily / <i>Hemerocallis hybrid</i> 'Happy Returns'	1 gal
FC-KKH	16	Kim's Knee High Purple Coneflower / <i>Echinacea purpurea</i> 'Kim's Knee High' TM	1 gal

FORBS	QTY	COMMON / BOTANICAL NAME	SIZE
OBS	41	Ozark Blue Star / <i>Amsonia illustris</i>	2 Qt @ 30" OC
ROSEM	41	Rose Mallow / <i>Hibiscus laevis</i>	1 Gal @ 30" OC
SMW	141	Swamp Milkweed / <i>Asclepias incarnata</i>	2 Qt. @ 24" OC

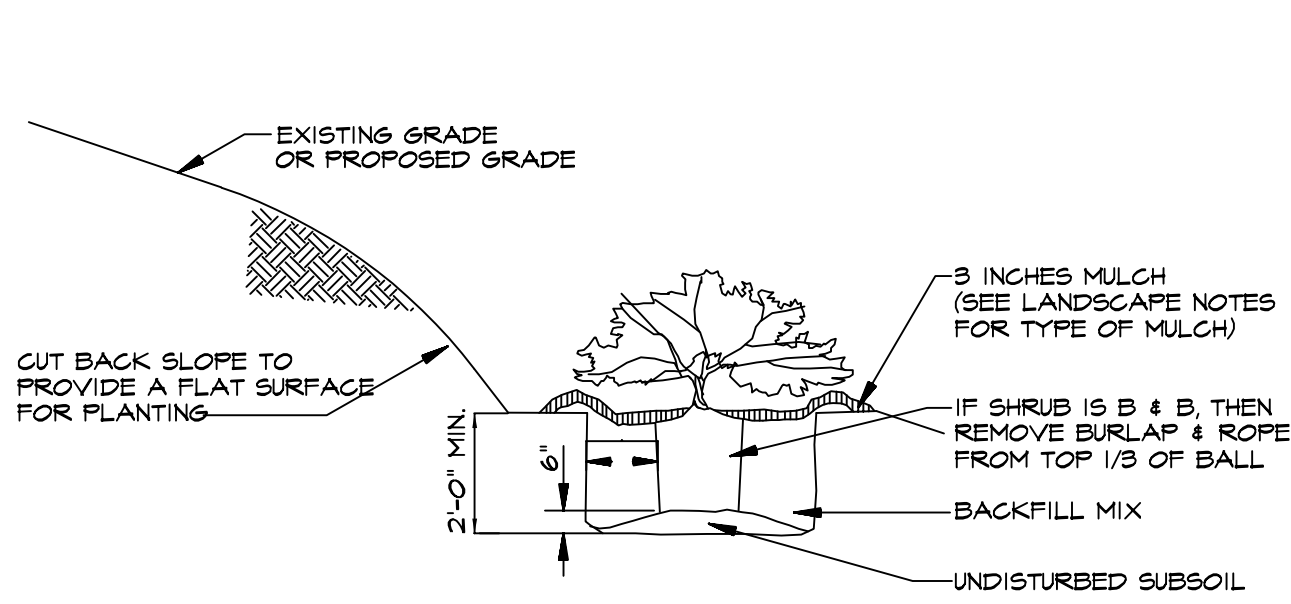
GRASSES	QTY	COMMON / BOTANICAL NAME	SIZE
GALA	16	Foerster's Reed Grass / <i>Calamagrostis acutifolia</i> 'Karl Foerster'	5 gal

NATIVE GRASSES	QTY	COMMON / BOTANICAL NAME	SIZE
	117	Brown Fox Sedge / <i>Carex vulpinoidea</i>	Plug at 18" OC
	144	Great Green Bulrush / <i>Scirpus atrovirens</i>	Plug at 18" OC
	124	Morning Star Sedge / <i>Carex grayi</i>	Plug at 18" OC

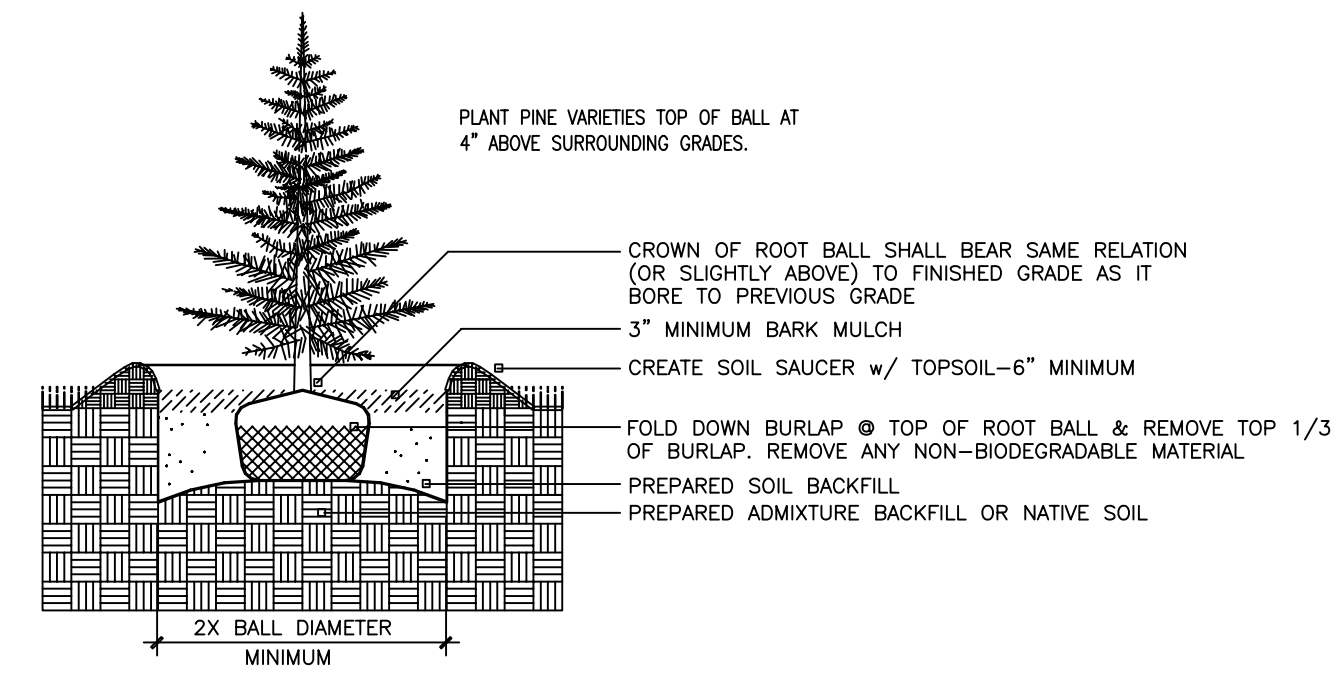
D-Deciduous O-Ornamental E-Evergreen



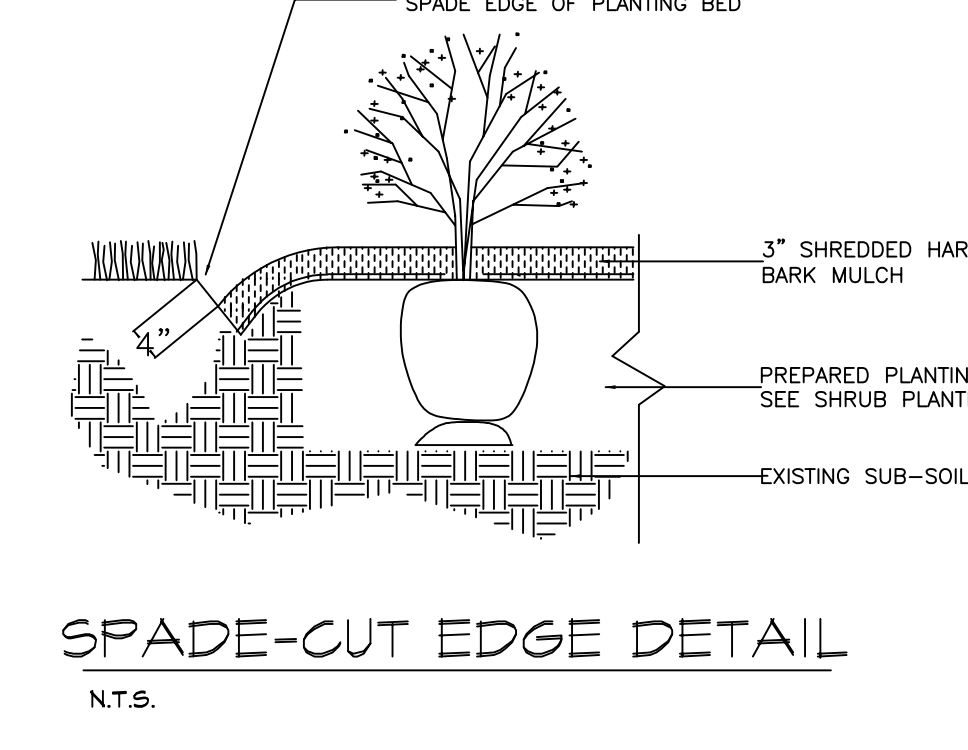
PERENNIAL / ANNUAL PLANTING
N.T.S.



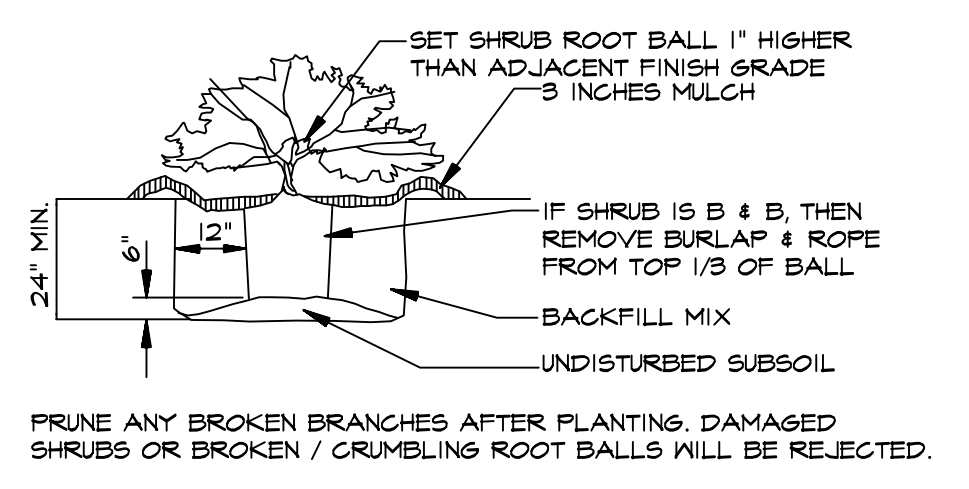
SHRUB PLANTING ON SLOPE
N.T.S.



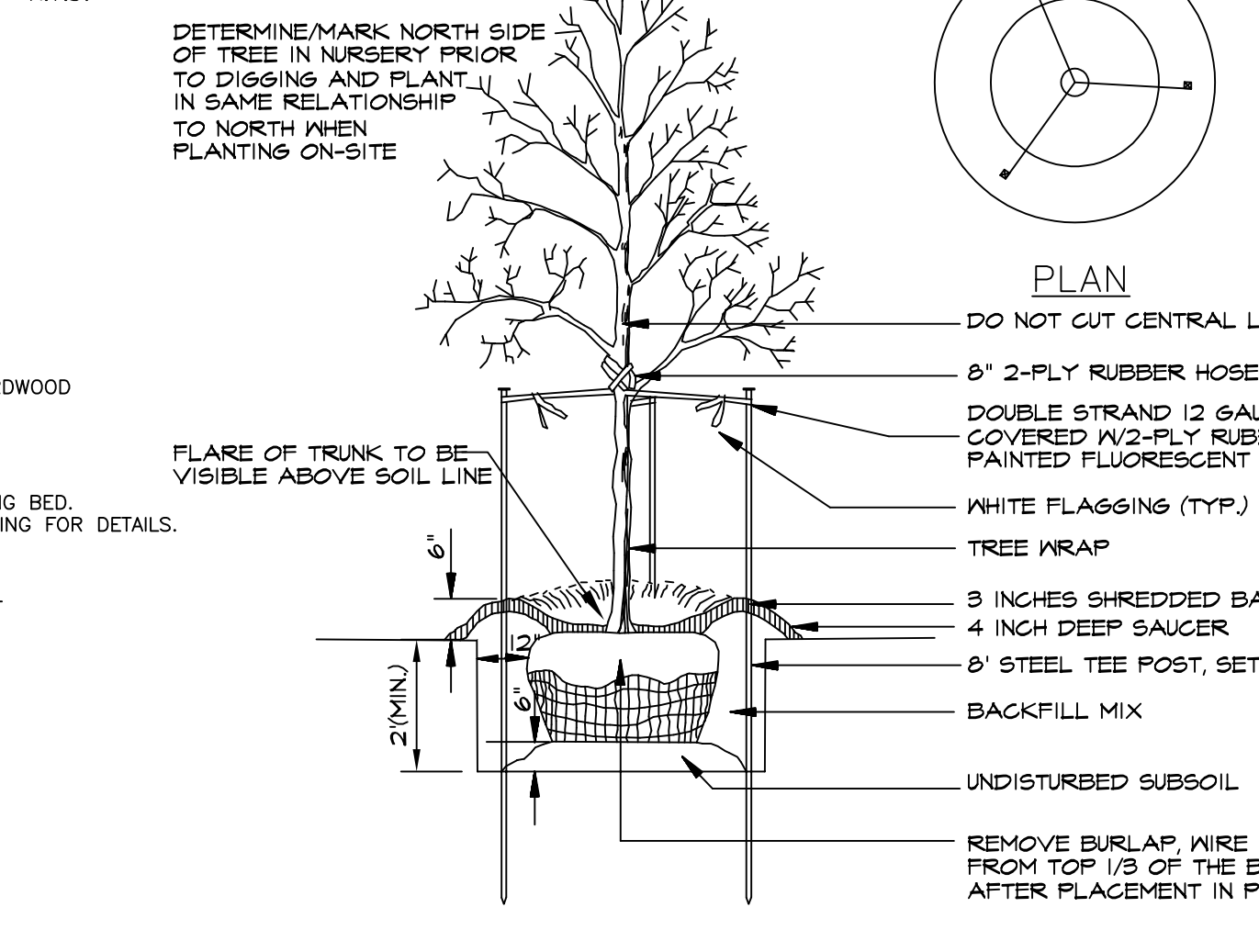
EVERGREEN TREE PLANTING
N.T.S.



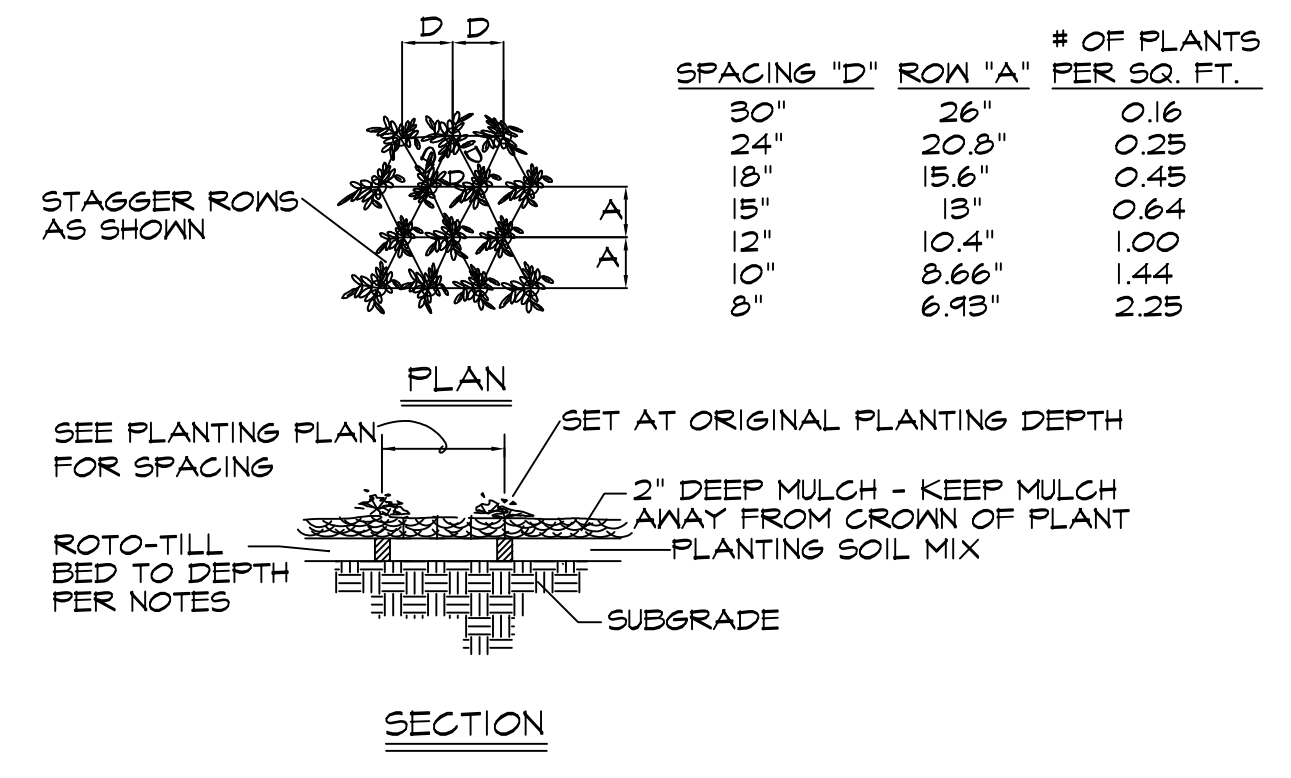
SPADE-CUT EDGE DETAIL
N.T.S.



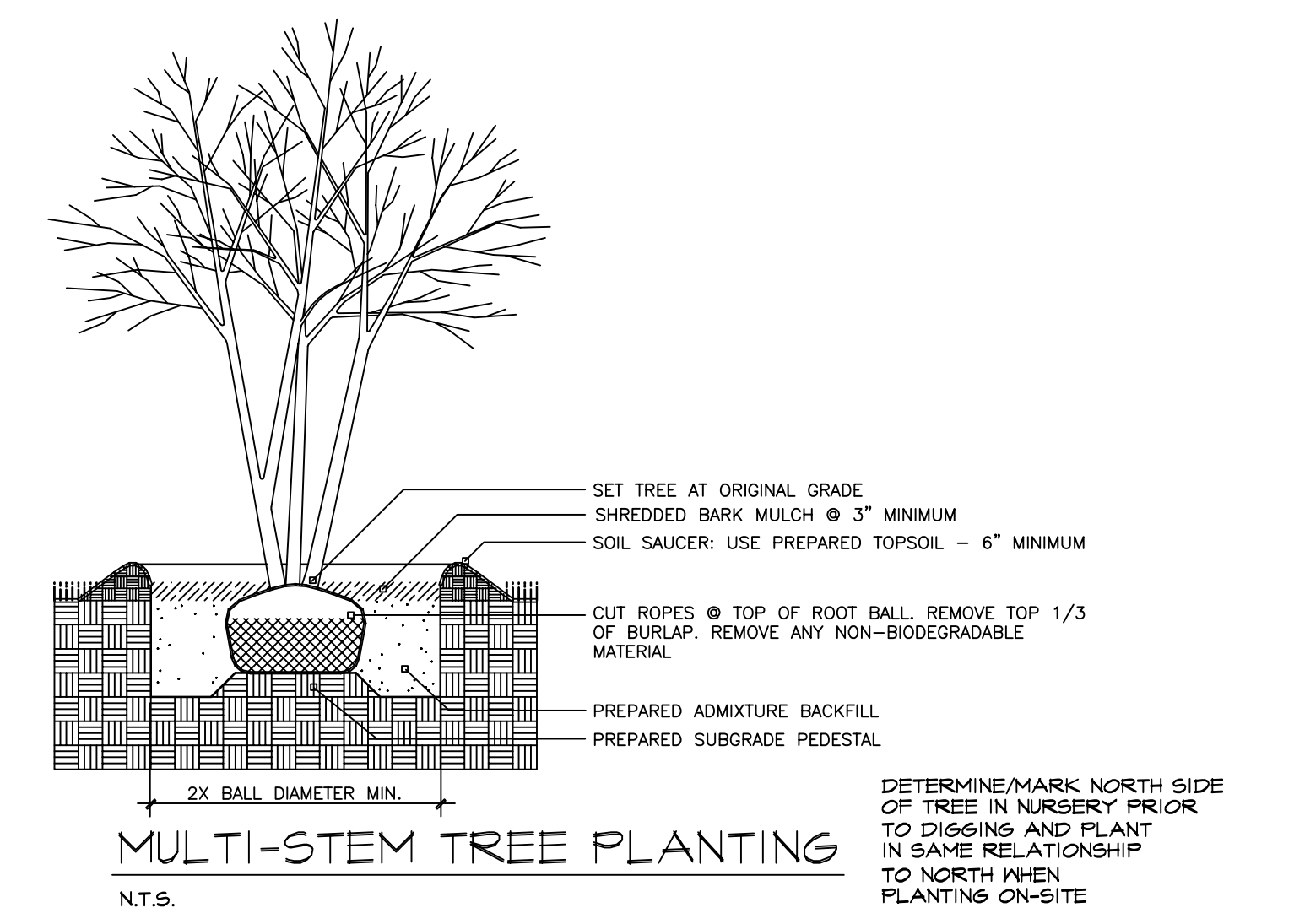
SHRUB PLANTING
N.T.S.



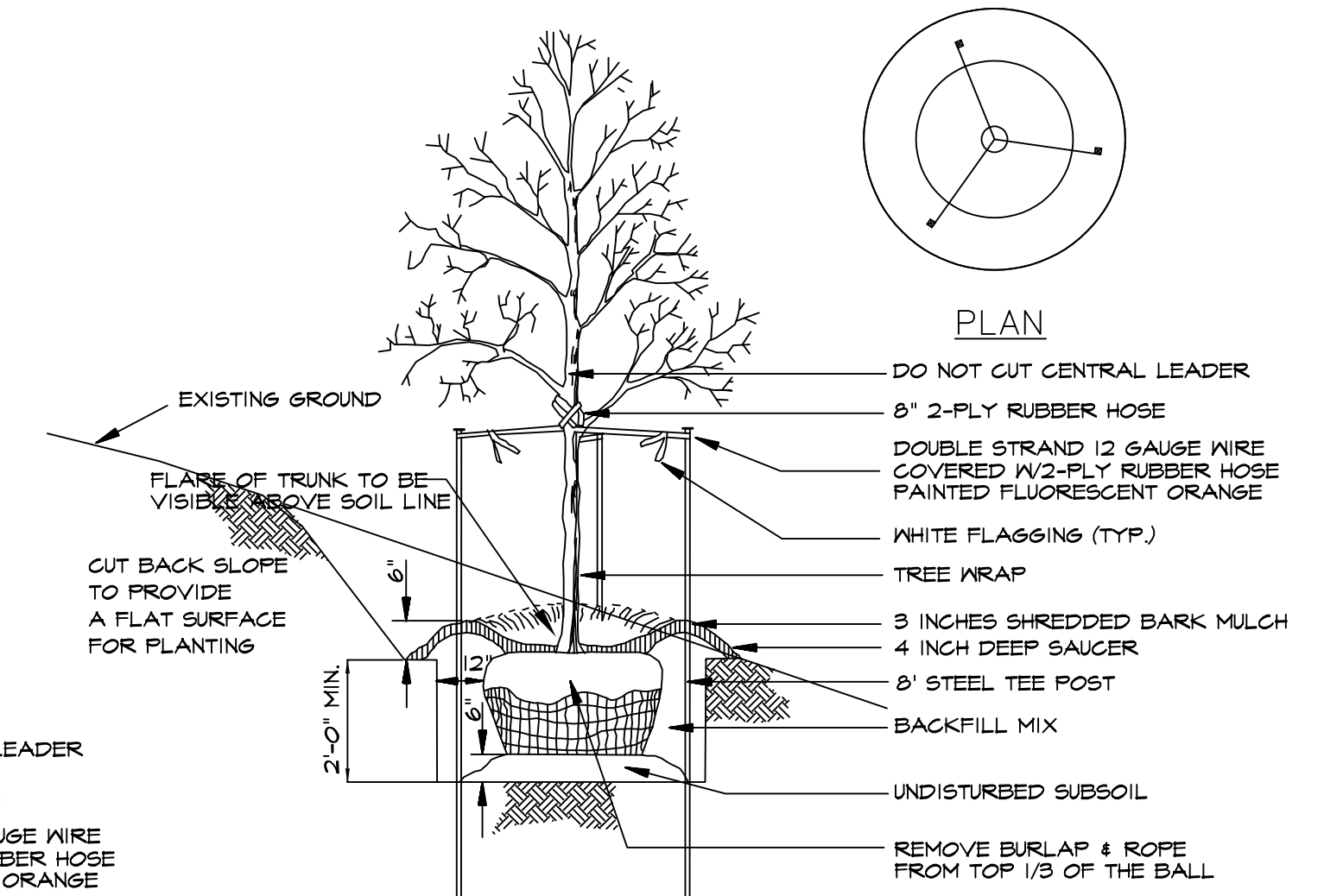
DECIDUOUS TREE PLANTING
N.T.S.



FORB/GRASS PLANTING DETAIL
N.T.S.



MULTI-STEM TREE PLANTING
N.T.S.



TREE PLANTING ON SLOPE
N.T.S.

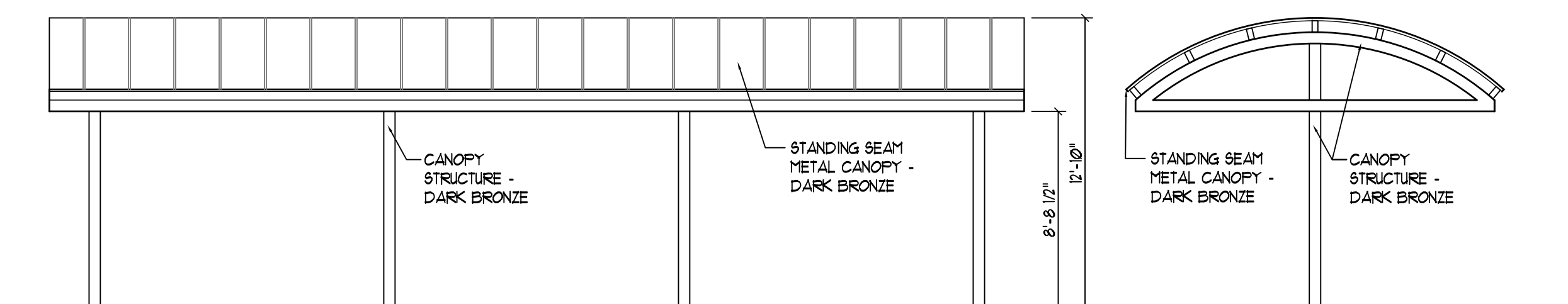
- NOTE:
- MSD BASE MAP 17U
 - FR N.A.
 - ZIP CODE: 63005

REVISIONS	BY
11/22/2022	RMM
12/17/2022	RMM

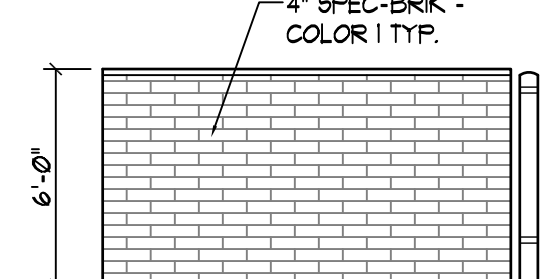
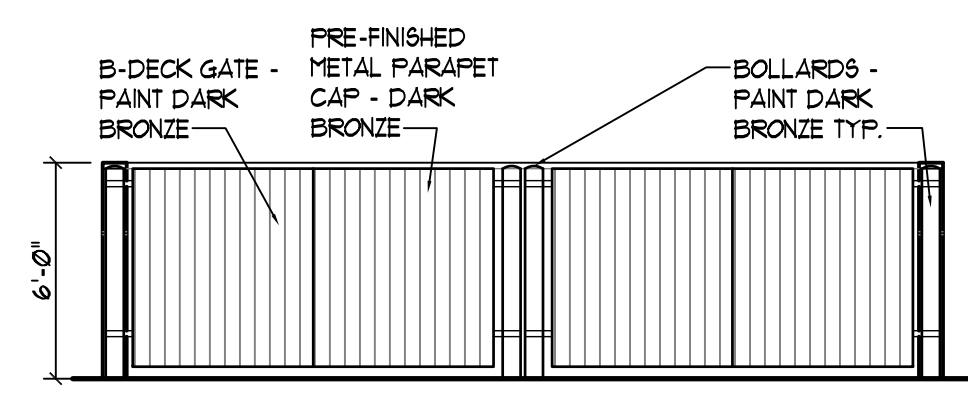
Landscape TECHNOLOGIES
 67 Jacobs Creek Drive
 Missouri Landscapes Architect #000019
 No Landscape Architectural Corporation #2020000192
 DATE: 12/17/2022

MASTER PLANTING PLAN FOR THE PROPOSED
Scrubbles Car Wash
 34 ARNAGE ROAD CHESTERFIELD, MO 63005

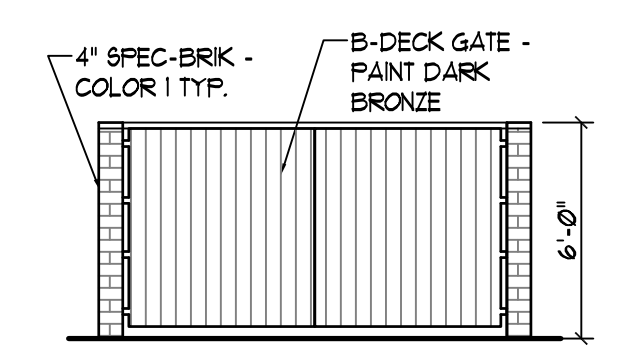
DRAWN
 R. MARDIS
 CHECKED
 RMM/GLB
 DATE
 11/5/2022
 SCALE
 N.A.
 JOB No.
 2022-173
 SHEET
L-2
 OF TWO SHEETS



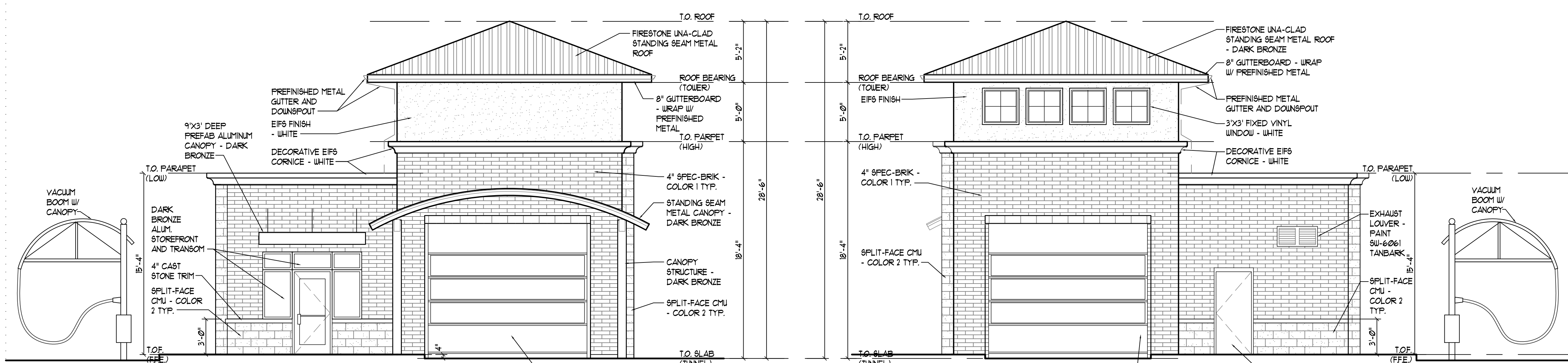
PAY STATION CANOPY ELEVATIONS
SCALE: 3/16" = 1'-0"



TRASH ENCLOSURE ELEVATIONS
SCALE: 3/16" = 1'-0" (23'-4" X 11'-4" ENCLOSURE)

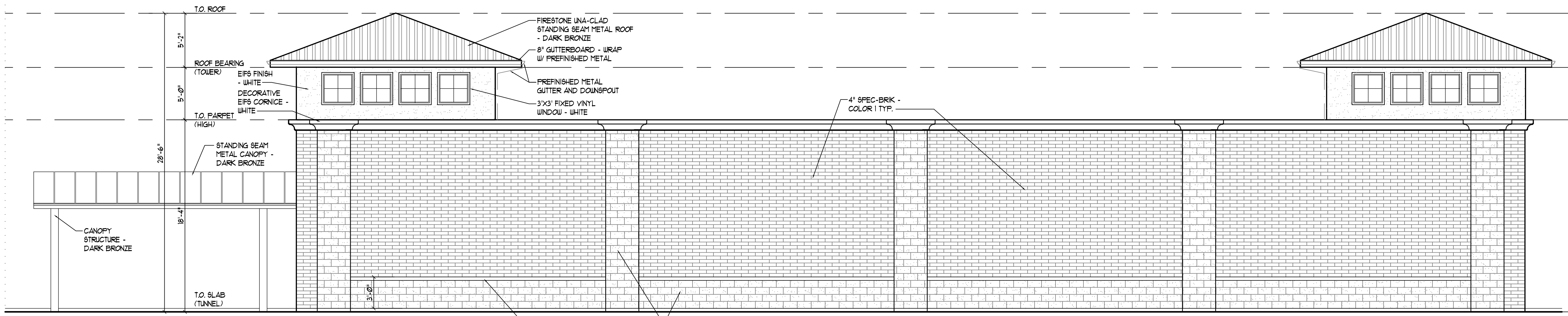


VACUUM SCREENING
SCALE: 3/16" = 1'-0" (12'-0" X 6'-4" ENCLOSURE)

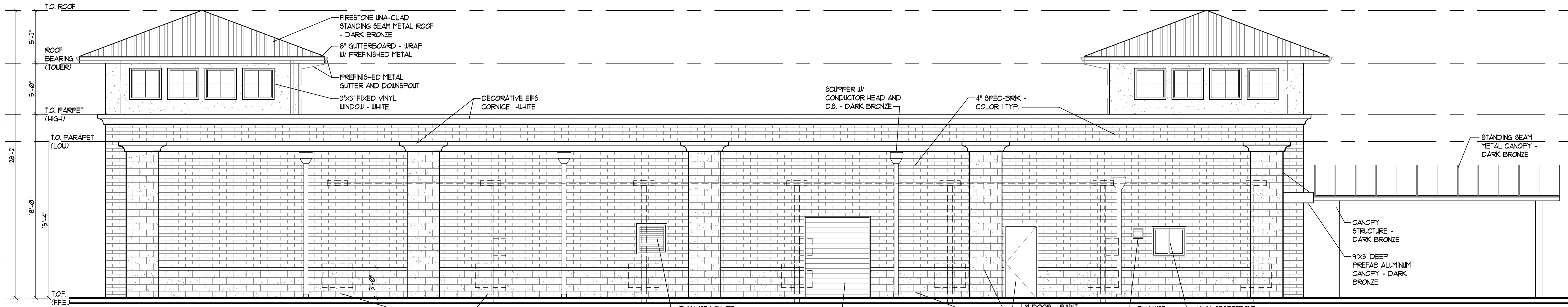


SOUTH ELEVATION
SCALE: 3/16" = 1'-0"

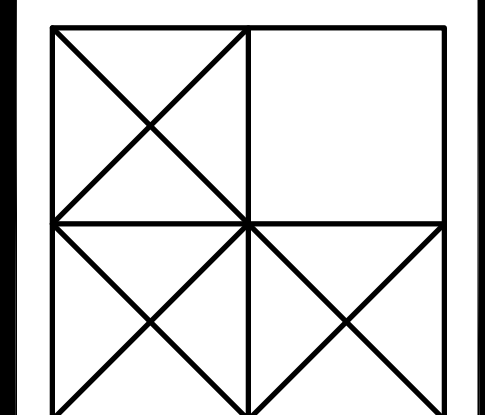
NORTH ELEVATION
SCALE: 3/16" = 1'-0"



EAST ELEVATION
SCALE: 3/16" = 1'-0"



WEST ELEVATION
SCALE: 3/16" = 1'-0"



LEVINE
associates
architecture · interiors · planning
2025 South Brentwood Boulevard, Suite 101
Saint Louis, Missouri 63144
Phone 314-991-6800

ARCHITECT: ALYAH M. LEVINE
NO. LICENSE A-4249
ALYAH M. LEVINE, INC.
DBA LEVINE ASSOCIATES
CERTIFICATE OF AUTHORITY
LICENSE NUMBER A-2018040328

elevations
NEW BUILDING FOR: SCRUBBLES CAR WASH
34 ARNAGE ROAD
CHESTERFIELD, MISSOURI 63005
CONTRACTOR: CISELL MUELLER CONSTRUCTION, INC.

REVISIONS		
NO.	DATE	ITEM
	12-19-22	ARB

SHEET NO.
A-3

ISSUE DATE: 11-3-22
PROJECT #: 2293.02
DRN, CMC, CHK, AML

AN ORDINANCE AMENDING THE UNIFIED DEVELOPMENT CODE OF THE CITY OF CHESTERFIELD BY CHANGING THE BOUNDARIES OF AN EXISTING "PC" PLANNED COMMERCIAL DISTRICT TO A NEW "PC" PLANNED COMMERCIAL DISTRICT FOR A 13.02 ACRE TRACT OF LAND LOCATED ON THE SOUTH SIDE OF INTERSTATE 64, NORTH OF CHESTERFIELD AIRPORT ROAD, AND EAST OF LONG ROAD [P.Z. 08-2022 TSG CHESTERFIELD AIRPORT ROAD (STOCK & ASSOCIATES CONSULTING ENGINEERS, INC) - 17U230397, 17U230403, 17U230412, 17U230386, 17U510116].

WHEREAS, the petitioner, Stock & Associates Consulting Engineers, Inc., has requested a change in zoning from an existing "PC" Planned Commercial District to a new "PC" Planned Commercial District for 13.02 acres located south of Interstate 64, north of Chesterfield Airport Road, and east of Long Road; and,

WHEREAS, a Public Hearing was held before the Planning Commission on August 22, 2022; and,

WHEREAS, the Planning Commission, having considered said request, recommended approval of the change of zoning; and,

WHEREAS, the Planning and Public Works Committee, having considered said request, recommended approval of the change of zoning; and,

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

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

Section 1. City of Chesterfield Unified Development Code and the Official Zoning District Map, which are part thereof, are hereby amended by establishing a "PC" Planned Commercial District designation for 13.02 acres located south of Interstate 64, north of Chesterfield Airport Road, and east of Long Road and as described as follows:

A tract of land being all of TSG Chesterfield Airport Road, a subdivision according to the plat thereof as recorded in Plat Book 368 Page 313 of the St. Louis County Records, located in U.S. Survey 125, Township 45 North, Range 4 East of the 5th Principal Meridian, City of Chesterfield, St. Louis County, Missouri, and being more particularly described as follows:

Beginning at the southwest corner of Chesterfield Airport Road 17505 as recorded in Plat Book 365 Page 150 of the St. Louis County records, said point being on the north right of way line of Chesterfield Airport Road, 100 feet wide; thence South 89 degrees 31 minutes 27 seconds West, along the north right of way line of said Airport Road, 520.40 feet, to the southeast corner of Lot 1 of above said 84 Lumber Subdivision; thence the following courses and distance along the east and south lines of Lot 1 of said 84 Lumber Subdivision: North 00 degrees 49 minutes 46 seconds East, 367.38 feet; North 89 degrees 31 minutes 24 seconds East, 406.95 feet; and North 00 degrees 45 minutes 19 seconds East, 641.93 feet, to the south right of way line of Interstate 64, variable width; thence South 84 degrees 19 minutes 27 seconds East, along the south line of said Interstate 64, 505.66 feet, to the west line of Chesterfield Commons Seven as recorded in Plat Book 359 Page 156 of the St. Louis County records; thence South 00 degrees 28 minutes 53 seconds West, along the west line of said Chesterfield Commons Seven, 754.45 feet; thence South 89 degrees 31 minutes 27 seconds West, along the north line of Outparcel 2 of said Chesterfield Commons Seven, and the north line of said Chesterfield Airport Road 17505, 395.35 feet, to the northwest corner of said Chesterfield Airport Road 17505.; thence South 00 degrees 31 minutes 19 seconds West, along the West line of said Chesterfield Airport Road 17505, 200.56 feet; to the POINT OF BEGINNING. Containing 567,264 square feet or 13.023 acres, more or less, according to calculations performed by Stock & Associates Consulting Engineers, Inc. on May 3rd 2019.

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

Section 3. The City Council, pursuant to the petition filed by Stock & Associates Consulting Engineers, Inc. in P.Z. 08-2022, requesting the rezoning embodied in this ordinance, and pursuant to the recommendation of the City of Chesterfield Planning Commission that said petition be granted and after a public hearing, held by the Planning Commission on August 22, 2022, does hereby adopt this ordinance pursuant to the power granted to the City of Chesterfield under Chapter 89 of the Revised Statutes of the State of Missouri authorizing the City Council to exercise legislative power pertaining to planning and zoning.

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

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

Passed and approved this 18th day of October, 2022

Bob Nation, PRESIDENT OFFICER; Bob Nation, MAYOR

ATTEST: Vickie McGownd, CITY CLERK

FIRST READING HELD: 10/03/2022

ATTACHMENT A

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

I. SPECIFIC CRITERIA

A. PERMITTED USES

- The uses allowed in this "PC" Planned Commercial District shall be: a. Animal grooming service b. Automobile dealership c. Automotive retail supply d. Bakery e. Bar f. Barber or beauty shop g. Brewpub h. Car wash i. Coffee shop j. Coffee shop, drive-through k. Day-care center l. Drugstore and pharmacy m. Drugstore and pharmacy, with drive-through n. Financial institution, no drive-through o. Financial institution, with drive-through p. Grocery, community q. Grocery, neighborhood r. Laundromat s. Office-dental t. Office-general u. Office-medical v. Oil change facility w. Recreation facility

- Restaurant-fast-food y. Restaurant-sit-down z. Restaurant-take-out aa. Retail sales establishment-community bb. Retail sales establishment-neighborhood cc. Vehicle repair and service facility

2. Outdoor Storage and Sales Activity a. All outdoor storage shall be prohibited within this development, with the exception of automotive vehicles in conjunction with an "Automobile Dealership". Outdoor storage for the use "Automobile Dealership" shall be as approved on the Site Development Plan.

b. All outdoor sales activity shall be limited to patio and pedestrian areas located adjacent to the storefronts of retail users, with the exception of an "Automobile Dealership". Outdoor sales and/or displays for the use "Automobile Dealership" shall be as approved on the Site Development Plan.

3. Hours of Operation a. Uses "c", "t", "m", "p", "q", "aa", and "bb" above shall be restricted to hours of operation open to the public from 6:00 AM to 11:00 PM. Hours of operation for said uses may be expanded for Thanksgiving Day and the day after Thanksgiving upon review and approval of a Special Activities Permit, signed by the property owner and submitted to the City of Chesterfield at least seven (7) business days in advance of said holiday. b. All deliveries and trash pick-ups shall be limited to the hours from 7:00 AM to 11:00 PM.

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

- 1. Floor Area a. The total building floor area of any single building within this development shall not exceed 50,000 square feet. 2. Height a. The maximum height including parapets and rooftop equipment of all buildings shall not exceed forty-two (42) feet. b. All buildings within this development shall be limited to two (2) story construction.

parameters of the City's traffic model. Should the density be other than the density assumed in the model, regional issues shall be addressed as directed by the City of Chesterfield.

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

L. POWER OF REVIEW

1. The development shall adhere to the Power of Review Requirements of the City of Chesterfield.

M. STORM WATER

- 1. The site shall provide for the positive drainage of storm water and it shall be discharged at an adequate natural discharge point or an adequate piped system. 2. Detention/retention and channel protection measures are to be provided in each watershed as required by the City of Chesterfield and the Metropolitan St. Louis Sewer District. The storm water management facilities shall be operational prior to paving of any driveways or parking areas. The location and types of storm water management facilities shall be identified on all Site Development Plans. 3. Emergency overflow drainage ways to accommodate runoff from the 100-year storm event shall be provided for all storm sewers, as directed by the City of Chesterfield. 4. Offsite storm water shall be picked up and piped to an adequate natural discharge point. Such bypass systems must be adequately designed. 5. The lowest opening of all structures shall be set at least two (2) feet higher than the one hundred (100) year high water elevation in detention/retention facilities. 6. Locations of site features such as lakes and detention ponds must be approved by the City of Chesterfield and the Metropolitan St. Louis Sewer District. 7. The developer shall be responsible for construction of any required storm water improvements per the Chesterfield Valley Master Storm Water Plan, as applicable, and shall coordinate with the owners of the properties affected by construction of the required improvements. In the event that the ultimate

K. TRAFFIC STUDY

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

- 3. Building Requirements a. A minimum of thirty-five percent (35%) openspace is required for each lot. b. This development shall have a maximum F.A.R. of 0.55.

C. SETBACKS

- 1. Structure Setbacks No building or structure, other than a freestanding project identification sign, light standards, public art installation, or flag poles will be located within the following setbacks: a. Thirty (30) feet from the southern boundary of this district that fronts on Chesterfield Airport Road. b. Fifty-five (55) feet from the northern boundary of this district that fronts on I-64/US 40. c. Ten (10) feet from all other boundary lines within this district. 2. Parking Setbacks No parking stall or loading space, internal driveway, or roadway, except points of ingress or egress, will be located within the following setbacks: a. Thirty (30) feet from the southern boundary of this district that fronts on Chesterfield Airport Road. b. Fifty-five (55) feet from the northern boundary of this district that fronts on I-64/US 40. c. Zero (0) feet from all other boundary lines within this district.

D. PARKING AND LOADING REQUIREMENTS

- 1. Parking and loading spaces for this development shall be as required in the City of Chesterfield Code. 2. No construction related parking shall be permitted within right of way or on any existing roadways. All construction related parking shall be confined to the development. 3. Provide adequate temporary off-street parking for construction employees. Parking on non-surfaced areas shall be prohibited in order to eliminate the condition whereby mud from construction and employee vehicles is tracked onto the pavement causing hazardous roadway and driving conditions. 4. Parking lots shall not be used as streets.

E. LANDSCAPE AND TREE REQUIREMENTS

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

F. SIGN REQUIREMENTS

- 1. Signs shall be permitted in accordance with the regulations of the City of Chesterfield Unified Development Code or a Sign Package may be submitted for the planned district. Sign packages shall adhere to the City of Chesterfield Unified Development Code. 2. Installation of Landscaping and Ornamental Entrance Monument or Identification Signage construction, if proposed, shall be reviewed by the City of Chesterfield, and/or the St. Louis County Department of Transportation, for sight distance consideration and approved prior to installation or construction.

G. LIGHT REQUIREMENTS

- 1. Provide a lighting plan and cut sheet in accordance with the City of Chesterfield Unified Development Code. 2. Street lights shall be provided along Chesterfield Airport Road in accordance with the City of Chesterfield Unified Development Code and as directed by the City of Chesterfield.

H. ARCHITECTURAL

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

I. ACCESS/ACCESS MANAGEMENT

- 1. Access to this development from Chesterfield Airport Road shall be limited to one (1) commercial entrance located opposite Valley Center Drive to be shared with the adjacent AutoZone property to the east as shown on the Preliminary Plan. The entrance shall be built to St. Louis County Standards, as directed by the St. Louis County Department of Transportation and shall be located to provide adequate sight distance, as directed by the St. Louis County Department of Transportation. 2. If required sight distance cannot be provided at the access locations, acquisition of right-of-way, reconstruction of pavement including correction to the vertical alignment and other off-site improvements may be required to provide adequate sight distance as directed by the St. Louis County Department of Transportation.

3. Construct an eight (8) foot wide full depth shoulder along the frontage on Chesterfield Airport Road, as directed by the St. Louis County Department of Transportation.

4. Access to this development from Arnage Road shall be via a roadway extension as shown on the Preliminary Plan.

5. Provide ingress/egress and cross access easements and temporary slope construction license or other appropriate legal instrument or agreement guaranteeing permanent access between parcels in this development and the public and to ensure access rights to Chesterfield Airport Road, the new portion of Arnage Road, and the new access road for all parcels in the development as directed by the St. Louis County Department of Transportation and the City of Chesterfield.

6. Provide cross access easements and temporary slope construction license or other appropriate legal instruments or agreements guaranteeing permanent access between this site and all adjacent properties as directed by the St. Louis County Department of Transportation and the City of Chesterfield.

7. Access to lots A, B, C, D, and E shall substantially conform to the preliminary development plan.

J. PUBLIC/PRIVATE ROAD IMPROVEMENTS, INCLUDING PEDESTRIAN CIRCULATION

1. Construct an extension to Arnage Road that will connect to the existing portion of Arnage Road and extended approximately 910 feet to the west of the existing terminus. The western terminus of Arnage Road shall be aligned to allow for a future connection to the west to Caprice Drive through 17519 Chesterfield Airport Road and 17525 Chesterfield Airport Road.

2. All new roadways proposed as part of this development shall be privately maintained.

3. The new north/south access road and Arnage Road shall be constructed prior to or concurrently with construction and in any case shall be completed prior to issuance of occupancy permits. The portion of Arnage Road west of the new north/south access road may be constructed in phases in conjunction with construction on Lots D, C, and B, as approved by the City of Chesterfield. Each phased terminus shall provide a suitable turn around and end of pavement signage/stub street signage.

4. Provide a 5 foot wide sidewalk, conforming to ADA standards, along Chesterfield Airport Road, Arnage Road, and the western side of the new north/south access road as shown on the Preliminary Plan. The sidewalk shall provide for future connectivity to adjacent developments and/or roadway projects. The sidewalk shall be privately maintained and may be

located within right-of-way controlled by another agency, if permitted by that agency, or on private property.

5. Internal sidewalks shall be provided to each lot from the sidewalks along the adjacent roadways creating accessible pedestrian paths to the proposed buildings. Internal sidewalks and curb ramps shall conform to ADA standards.

6. Obtain approvals from the City of Chesterfield and the St. Louis County Department of Transportation and other entities as necessary for locations of proposed curb cuts and access points, areas of new dedication, and roadway improvements.

7. Additional right-of-way and road improvements shall be provided, as required by St. Louis County Department of Transportation and the City of Chesterfield.

8. Stub street signage, in conformance with Article 04-09 of the Unified Development Code of the City of Chesterfield, shall be posted within 30 days of the street pavement being placed.

9. Any work within MoDOT's right of way will require a MoDOT permit.

10. The petitioner shall provide adequate detention and/or hydraulic calculations for review and approval of all storm water that will affect MoDOT right of way.

12. All proposed work in MoDOT right of way must comply with MoDOT standards, specifications, conform to MoDOT's Access Management Guidelines with detailed construction plans being received and approved by MoDOT.

13. Due to the close proximity to Interstate 64, any sound mitigation is the responsibility of the owner/developer. MoDOT will not provide any noise mitigation measures for this development.

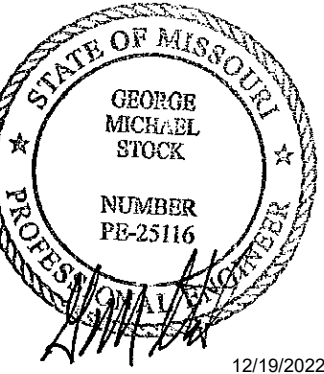
14. Prior to Special Use Permit Issuance by the St. Louis County Department of Transportation, a special cash escrow or a special escrow supported by an Irrevocable Letter of Credit, must be established with the St. Louis County Department of Transportation to guarantee completion of the required roadway improvements.



PREPARED BY: STOCK & ASSOCIATES Consulting Engineers, Inc.

SITE DEVELOPMENT SECTION PLAN FOR: SCRUBBLES CARWASH

34 ARNAGE ROAD CHESTERFIELD, MISSOURI



GEORGE M. STOCK E-25116 CIVIL ENGINEER CERTIFICATE OF AUTHORITY NUMBER: 000999

Table with 2 columns: REVISIONS, 1. CITY COMMENTS 11/09/22, 2. COUNTY COMMENTS 11/09/22, 3. CITY COMMENTS 12/16/22

Table with 2 columns: DRAWN BY: K.C.G., CHECKED BY: G.M.S., DATE: 11/14/2022, JOB NO: 2022-7730, M.S.D. P. #, BASE MAP #, S.L.C. MAT. #, MAT SUP. #, M.D.N.R. #

SHEET TITLE: ORDINANCE CONDITIONS

SHEET NO.: SDSP-3.0

required improvements cannot be constructed concurrently with this development, the developer shall provide interim drainage facilities and establish sufficient escrows as guarantee of future construction of the required improvements, including removal of interim facilities. Interim facilities shall be sized to handle runoff from the 100-year, 24-hour storm event as produced by the Master Storm Water Plan model. The interim facilities shall provide positive drainage and may include a temporary pump station, if necessary. Interim facilities shall be removed promptly after the permanent storm water improvements are constructed.

8. The developer may elect to propose alternate geometry, size and/or type of storm water improvements that are functionally equivalent to the required improvements per the Chesterfield Valley Master Storm Water Plan. Functional equivalence is said to be achieved when, as determined by the Public Works Director, the alternate proposal provides the same hydraulic function, connectivity, and system-wide benefits without adversely affecting any of the following: water surface profiles at any location outside the development; future capital expenditures; maintenance obligations; equipment needs; frequency of maintenance; and probability of malfunction. The City will consider, but is not obligated to accept, the developer's alternate plans. If the Public Works Director determines that the developer's proposal may be functionally equivalent to the Chesterfield Valley Master Storm Water Plan improvements, hydraulic routing calculations will be performed to make a final determination of functional equivalence. The Director will consider the developer's proposal, but is not obligated to have the hydraulic analysis performed if any of the other criteria regarding functional equivalence will not be met. The hydraulic routing calculations regarding functional equivalence may be performed by a consultant retained by the City of Chesterfield. The developer shall be responsible for all costs related to consideration of an alternate proposal, which shall include any costs related to work performed by the consultant.
9. The developer shall provide all necessary Chesterfield Valley Storm Water Easements to accommodate future construction of the Chesterfield Valley Master Storm Water Plan improvements, and depict any and all Chesterfield Valley Master Storm Water Plan improvements on the Site Development Plan(s) and Improvement Plans. Maintenance of the required storm water improvements shall be the responsibility of the property owner unless otherwise noted.
10. All Chesterfield Valley Master Storm Water Plan improvements, as applicable, shall be operational prior to the paving of any driveways or parking areas unless otherwise approved.
11. The developer shall reimburse the Chesterfield Valley Mitigation Bank Program for any jurisdictional wetlands that have been identified on this site. The reimbursement is required prior to approval of a Grading Permit, Improvement Plans, or issuance of any Building Permits. The

reimbursement amount is based on the total acres delineated on the site requiring mitigation and will be the proportionate share of the cost of establishment of the mitigation area.

12. Formal MSD review, approval, and permits are required prior to construction.
13. Post construction water quality Best Management Practices (BMPs) are required to treat the extents of the project's disturbed area. A Water Quality Area is depicted on Lot A which would appear to service the development area in one common location. MSD would be amenable to this under the following conditions:
 - a. A subdivision trusteeship would need to be established. The water quality area would need to be located within a common ground or easement dedicated to the trusteeship. A standard MSD maintenance agreement would need to be recorded on the property.
 - b. The water quality area would need to service a drainage area limited to the confines of the proposed commercial subdivision. Offsite flows from beyond this proposed development area would need to be diverted around the water quality feature.
 - c. Tributary acreage to a facility would need to be limited to less than 5 acres in order to ensure the basin's performance and longevity. Given the size of Lot A, a separate facility(ies) may need to be broken out and configured to serve that particular property.
 - d. If the arrangements noted above cannot be met, individualized BMPs to serve each lot and the access road will need to be integrated into the layout.
14. Approval from the City of Chesterfield and the Monarch Chesterfield Levee District indicating that the final plans conform to their master stormwater conveyance plan will be required prior to formal MSD plan approval.

N. SANITARY SEWER

1. Public sanitary sewers shall be extended to serve each lot.
2. Sanitary sewers shall be as approved by the City of Chesterfield and the Metropolitan St. Louis Sewer District.
3. The sanitary lift station (as depicted south of Lot E on the Preliminary Plan) is the nearest sanitary sewer location. The lift station must obtain construction approval from MSD prior to the District concurring with occupancy for this development.

O. GEOTECHNICAL REPORT

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

P. MISCELLANEOUS

1. All utilities will be installed underground.
2. Prior to redevelopment of this property, provide detailed plans to MoDOT for review and approval.
3. Street lights shall be required along public right-of-way frontage.
4. The developer is advised that utility companies will require compensation for relocation of their facilities within public road right-of-way. Utility relocation cost shall not be considered as an allowable credit against the petitioner's traffic generation assessment contributions. The developer should also be aware of extensive delays in utility company relocation and adjustments. Such delays will not constitute a cause to allow occupancy prior to completion of road improvements.
5. An opportunity for recycling will be provided. All provisions of Chapter 25, Article VII, and Section 25-122 thru Section 25-126 of the City of Chesterfield, Missouri Code, with the exception of the land use designation, shall be required where applicable.
6. Road improvements and right-of-way dedication shall be completed prior to the issuance of an occupancy permit. If development phasing is anticipated, the developer shall complete road improvements, right-of-way dedication, and access requirements for each phase of development as directed by the City of Chesterfield, MoDOT, and St. Louis County Department of Transportation. Delays due to utility relocation and adjustments will not constitute a cause to allow occupancy prior to completion of road improvements.
7. Prior to record plat approval, the developer shall cause, at his expense and prior to the recording of any plat, the reestablishment, restoration or appropriate witnessing of all Corners of the United States Public Land Survey located within, or which define or lie upon, the out boundaries of the subject tract in accordance with the Missouri Minimum Standards relating to

the preservation and maintenance of the United States Public Land Survey Corners, as necessary.

8. Prior to final release of subdivision construction deposits, the developer shall provide certification by a registered land surveyor that all monumentation depicted on the record plat has been installed and United States Public Land Survey Corners have not been disturbed during construction activities or that they have been reestablished and the appropriate documents filed with the Missouri Department of Natural Resources Land Survey Program, as necessary.
9. If any development in, or alteration of, the floodplain is proposed, the developer shall submit a Floodplain Study and Floodplain Development Permit/Application to the City of Chesterfield and the City of Wildwood for approval. The Floodplain Study must be approved by the City of Chesterfield prior to the approval of the Site Development Plan, as directed. The Floodplain Development Permit must be approved prior to the approval of a grading permit or improvement plans. If any change in the location of the Special Flood Hazard Area is proposed, the Developer shall be required to obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency. The LOMR must be issued by FEMA prior to the final release of any escrow held by the City of Chesterfield for improvements in the development. Elevation Certificates will be required for any structures within the Special Flood Hazard Area or the Supplemental Protection Area. All new roads within and adjacent to this site shall be constructed at least one (1) foot above the base flood elevation of the Special Flood Hazard Area. Improvements to existing roadways shall be required as necessary to provide at least one access route to each lot that is at least one (1) foot above the base flood elevation. Consult Article 5 of the Unified Development Code for specific requirements.

II. GENERAL CRITERIA

A. SITE DEVELOPMENT CONCEPT PLAN

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

E. WATER MAIN

1. The primary water line contribution is based on gross acreage of the development land area. The contribution shall be a sum of \$996.57 per acre for the total area as approved on the Site Development Plan to be used solely to help defray the cost of constructing the primary water line serving the Chesterfield Valley area.
2. The primary water line contribution shall be deposited with the St. Louis County Department of Transportation. The deposit shall be made before St. Louis County approval of the Site Development Plan or Concept Plan unless otherwise directed by the St. Louis County Department of Transportation. Funds shall be payable to Treasurer, St. Louis County.

F. STORM WATER

1. The storm water contribution is based on gross acreage of the development land area. These funds are necessary to help defray the cost of engineering and construction improvements for the collection and disposal of storm water from the Chesterfield Valley in accordance with the Master Plan on file with and jointly approved by St. Louis County and the Metropolitan Saint Louis Sewer District. The amount of the storm water contribution will be computed based on \$3,161.89 per acre for the total area as approved on the Site Development Plan.
2. The storm water contributions to the Trust Fund shall be deposited with the St. Louis County Department of Transportation. The deposit shall be made prior to the issuance of a Special Use Permit (S.U.P.) by St. Louis County Department of Transportation or prior to the issuance of building permits in the case where no Special Use Permit is required. Funds shall be payable to Treasurer, St. Louis County.

G. SANITARY SEWER

1. The sanitary sewer contribution is collected as the Caulks Creek impact fee.
2. The sanitary sewer contribution within the Chesterfield Valley area shall be deposited with the Metropolitan St. Louis Sewer District as required by the District.

VI. RECORDING

1. Within sixty (60) days of approval of any development plan by the City of Chesterfield, the approved Plan will be recorded with the St. Louis County Recorder of Deeds. Failure to do so will result in the expiration of approval of said plan and require re-approval of a plan by the Planning Commission.

5. Compliance with the current Metropolitan Sewer District Site Guidance as adopted by the City of Chesterfield.

B. SITE DEVELOPMENT PLAN SUBMITTAL REQUIREMENTS

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

1. Location map, north arrow, and plan scale. The scale shall be no greater than one (1) inch equals one hundred (100) feet.
2. Outboundary plat and legal description of property.
3. Density calculations.
4. Parking calculations. Including calculation for all off street parking spaces, required and proposed, and the number, size and location for handicap designed.
5. Provide open space percentage for overall development including separate percentage for each lot on the plan.
6. Provide Floor Area Ratio (F.A.R.).
7. A note indicating all utilities will be installed underground.
8. A note indicating signage approval is separate process.
9. Depict the location of all buildings, size, including height and distance from adjacent property lines, and proposed use.
10. Specific structure and parking setbacks along all roadways and property lines.
11. Indicate location of all existing and proposed freestanding monument signs.
12. Zoning district lines, subdivision name, lot number, dimensions, and area, and zoning of adjacent parcels where different than site.
13. Floodplain boundaries.
14. Depict existing and proposed improvements within 150 feet of the site as directed. Improvements include, but are not limited to, roadways, driveways and walkways adjacent to and across the street from the site, significant natural features, such as wooded areas and rock formations, and other karst features that are to remain or be removed.
15. Depict all existing and proposed easements and rights-of-way within 150 feet of the site and all existing or proposed off-site easements and rights-of-way required for proposed improvements.

VII. ENFORCEMENT

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

16. Indicate the location of the proposed storm sewers, detention basins, sanitary sewers and connection(s) to the existing systems.
17. Depict existing and proposed contours at intervals of not more than one (1) foot, and extending 150 feet beyond the limits of the site as directed.
18. Address trees and landscaping in accordance with the City of Chesterfield Code.
19. Comply with all preliminary plat requirements of the City of Chesterfield Subdivision Regulations per the City of Chesterfield Code.
20. Signed and sealed in conformance with the State of Missouri Department of Economic Development, Division of Professional Registration, Missouri Board for Architects, Professional Engineers and Land Surveyors requirements.
21. Provide comments/approvals from the appropriate Fire District, Monarch Levee District, Spirit of St. Louis Airport and the Missouri Department of Transportation, Metropolitan St. Louis Sewer District (MSD), and St. Louis County Department of Transportation.
22. Compliance with Sky Exposure Plane.
23. Compliance with the current Metropolitan Sewer District Site Guidance as adopted by the City of Chesterfield.

C. SITE DEVELOPMENT SECTION PLAN SUBMITTAL REQUIREMENTS

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

1. Location map, north arrow, and plan scale. The scale shall be no greater than one (1) inch equals one hundred (100) feet.
2. Parking calculations. Including calculation for all off street parking spaces, required and proposed, and the number, size and location for handicap designed.
3. Provide open space percentage for overall development including separate percentage for each lot on the plan.
4. Provide Floor Area Ratio (F.A.R.).
5. A note indicating all utilities will be installed underground.
6. A note indicating signage approval is separate process.
7. Depict the location of all buildings, size, including height and distance from adjacent property lines and proposed use.

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

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

E. WATER MAIN

1. The primary water line contribution is based on gross acreage of the development land area. The contribution shall be a sum of \$996.57 per acre for the total area as approved on the Site Development Plan to be used solely to help defray the cost of constructing the primary water line serving the Chesterfield Valley area.
2. The primary water line contribution shall be deposited with the St. Louis County Department of Transportation. The deposit shall be made before St. Louis County approval of the Site Development Plan or Concept Plan unless otherwise directed by the St. Louis County Department of Transportation. Funds shall be payable to Treasurer, St. Louis County.

F. STORM WATER

1. The storm water contribution is based on gross acreage of the development land area. These funds are necessary to help defray the cost of engineering and construction improvements for the collection and disposal of storm water from the Chesterfield Valley in accordance with the Master Plan on file with and jointly approved by St. Louis County and the Metropolitan Saint Louis Sewer District. The amount of the storm water contribution will be computed based on \$3,161.89 per acre for the total area as approved on the Site Development Plan.
2. The storm water contributions to the Trust Fund shall be deposited with the St. Louis County Department of Transportation. The deposit shall be made prior to the issuance of a Special Use Permit (S.U.P.) by St. Louis County Department of Transportation or prior to the issuance of building permits in the case where no Special Use Permit is required. Funds shall be payable to Treasurer, St. Louis County.

G. SANITARY SEWER

1. The sanitary sewer contribution is collected as the Caulks Creek impact fee.
2. The sanitary sewer contribution within the Chesterfield Valley area shall be deposited with the Metropolitan St. Louis Sewer District as required by the District.

VI. RECORDING

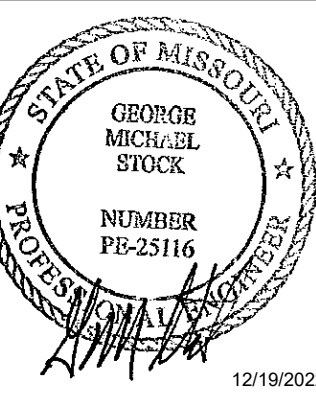
1. Within sixty (60) days of approval of any development plan by the City of Chesterfield, the approved Plan will be recorded with the St. Louis County Recorder of Deeds. Failure to do so will result in the expiration of approval of said plan and require re-approval of a plan by the Planning Commission.

PREPARED BY:

SITE DEVELOPMENT SECTION PLAN FOR:

SCRUBBLES CARWASH

34 ARNAGE ROAD
CHESTERFIELD, MISSOURI



12/18/2022
GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000999

REVISIONS:	
1. CITY COMMENTS	11/09/22
2. COUNTY COMMENTS	11/09/22
3. CITY COMMENTS	12/18/22

DRAWN BY: K.C.G.	CHECKED BY: G.M.S.
DATE: 11/14/2022	JOB NO. 2022-7730
M.S.D. #	BASE MAP #
S.L.C. MAP # 7879	HAT SUP. #
M.D.N.R. #	

SHEET TITLE
**ORDINANCE
CONDITIONS**

SHEET NO.:
SDSP-3.1

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 10](#)

Quick Facts

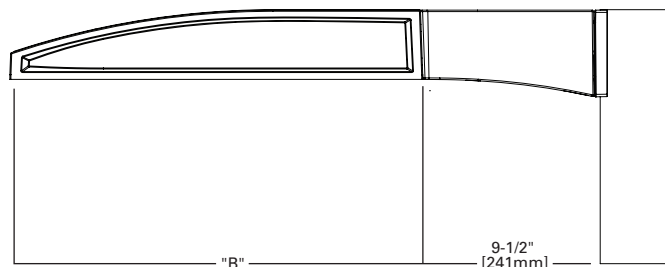
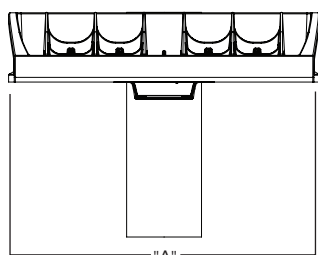
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems

- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



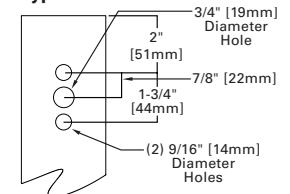
Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

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)

Pole Drilling Patterns

Type "N"



Ordering Information


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

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

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) ²⁸
DIM =External 0-10V Dimming Leads ²⁰ F =Single Fuse (120, 277 or 347V Specify Voltage) FF =Double Fuse (208, 240 or 480V Specify Voltage) 20K =20kV UL 1449 fused surge protective device ¹⁰ 2L =Two Circuits ¹⁰ HA =50°C High Ambient HSS =Installed House Side Shield ¹⁸ GRSBK =Glare Reducing Shield, Black ²³ GRSWH =Glare Reducing Shield, White ²³ LCF =Light Square Trim Painted to Match Housing ²⁶ TH =Tool-less Door Hardware ⁵ CC =Coastal Construction Finish ³ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right AHD145 =After Hours Dim, 5 Hours ²² AHD245 =After Hours Dim, 6 Hours ²² AHD255 =After Hours Dim, 7 Hours ²² AHD355 =After Hours Dim, 8 Hours ²² DALI =DALI Drivers	BPC =Button Type Photocontrol ⁶ PR =NEMA 3-PIN Photocontrol Receptacle PR7 =NEMA 7-PIN Photocontrol Receptacle ²¹ FADC =Field Adjustable Dimming Controller ³² SPB2 =Dimming Motion Sensor, 9'-20' mounting ²⁴ SPB4 =Dimming Motion Sensor, 21'-40' mounting ²⁴ SPB2/X =Dimming Motion Sensor, limited square count, 9'-20' mounting ²⁴ SPB4/X =Dimming Motion Sensor, limited square count, 21'-40' mounting ²⁴ ZW =WaveLinX Module and 4-PIN Receptacle ¹⁹ ZD =WaveLinX Module with DALI driver and 4-PIN Receptacle ¹⁹ ZW-SWPD4XX =WaveLinX Sensor Only, 7-15ft ^{19,12,13} ZW-SWPD5XX =WaveLinX Sensor Only, 15-40ft ^{19,12,13} ZW-WOBXX =WaveLinX Sensor with Bluetooth, 7-15ft ^{19,12,13} ZW-WOFXX =WaveLinX Sensor with Bluetooth, 15-40ft ^{19,12,13} ZD-SWPD4XX =WaveLinX Sensor Only, 7-15ft ^{19,12,13} ZD-SWPD5XX =WaveLinX Sensor Only, 15-40ft ^{19,12,13} ZD-WOBXX =WaveLinX Sensor with Bluetooth, 7-15ft ^{19,12,13} ZD-WOFXX =WaveLinX Sensor with Bluetooth, 15-40ft ^{19,12,13} DIM10-MS/DIM-L20 =Synapse Occupancy Sensor (9'-20' Mounting) ¹⁹ DIM10-MS/DIM-L40 =Synapse Occupancy Sensor (21'-40' Mounting) ¹⁹	OA/RA1016 =NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027 =NEMA Photocontrol - 480V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =120V Photocontrol MA1252 =10kV Surge Module Replacement MA1036-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX =2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX =3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX =4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX =2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX =3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX =2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX =2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX =3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX =4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX =2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX =3@90° Tenon Adapter for 3-1/2" O.D. Tenon SRA238 =Adapter kit for mounting to 2-3/8" O.D. Tenon LS/HSS =Field Installed House Side Shield ^{9,18} LS/GRSBK =Glare Reducing Shield, Black ^{9,23} LS/GRSWH =Glare Reducing Shield, White ^{9,23} LS/PFS =Perimeter Shield, Black ¹⁶ WOLC-7P-10A =WaveLinX Outdoor Control Module ^{11,19} WOA-XX =WaveLinX Wireless Sensor, 7'-15' Mounting Height ^{12,13,14,19} WOE-XX =WaveLinX Wireless Sensor, 15'-40' Mounting Height ^{12,13,14,19}

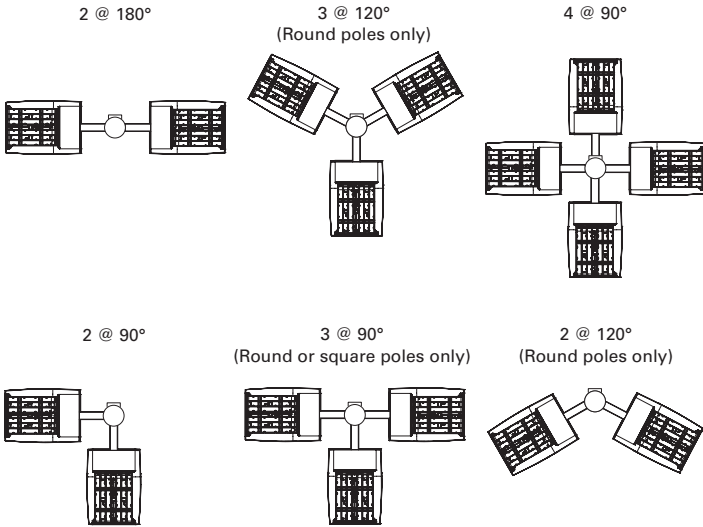
- NOTES:**
- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WPS13001EN for additional support information.
 - DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family 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 or 830 when either HA or HSS options are 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.
 - Adjustable Slipfitter arm limited to vertical 3" tenon. For mounting to 2-3/8" O.D. tenons, order accessory SRA238.
 - 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 5NQ, 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected.
 - Cannot 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 T4FT, T4W or SL4 optics. See IES files for details.
 - 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://www.designlights.org) 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.signifi.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.

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

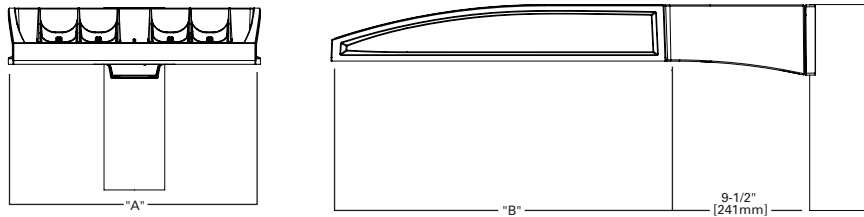
Product Family	Camera Type	Data Backhaul
L =LumenSafe Technology 	D =Standard Dome Camera H =Hi-Res Dome Camera Z =Remote PTZ Camera	C =Cellular, No SIM A =Cellular, AT&T V =Cellular, Verizon S =Cellular, Sprint R =Cellular, Rogers W =Wi-Fi Networking w/ Omni-Directional Antenna E =Ethernet Networking

Mounting Details

Pole Configuration Options

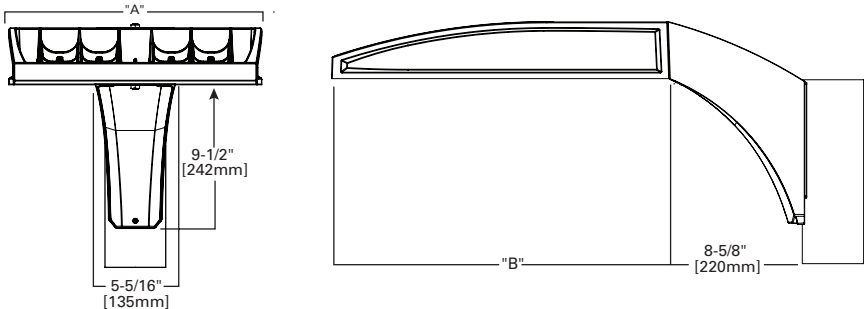


Quick Mount Arm (QM) *



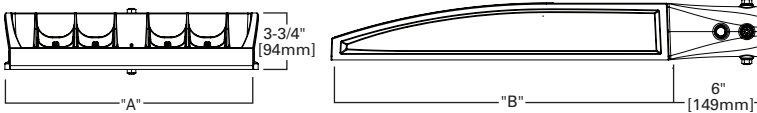
*NOTE: Use Type N drilling pattern

Upswept Arm (UP) *

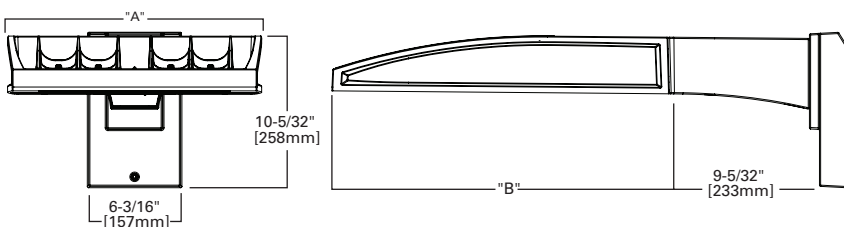


*NOTE: Use Type N, R or M drilling pattern

Mast Arm, Fixed (MA)

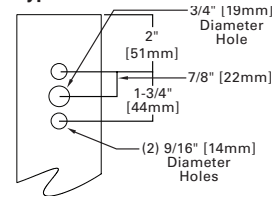


Wall Mount, Fixed (WM)

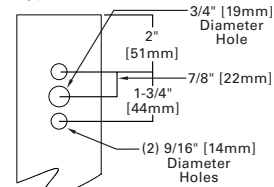


Pole Drilling Patterns

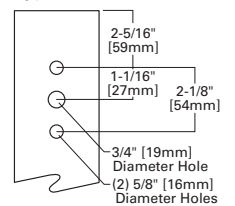
Type "N"



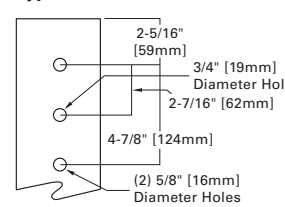
Type "N"



Type "R"

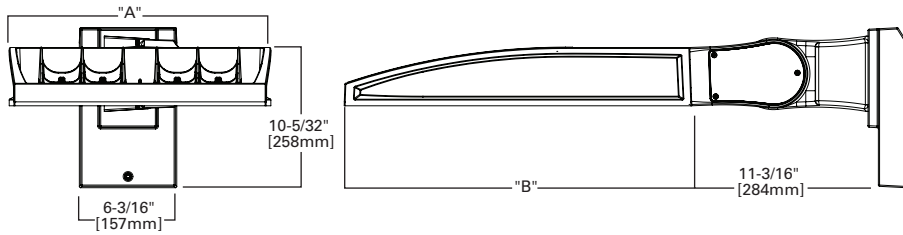


Type "M"

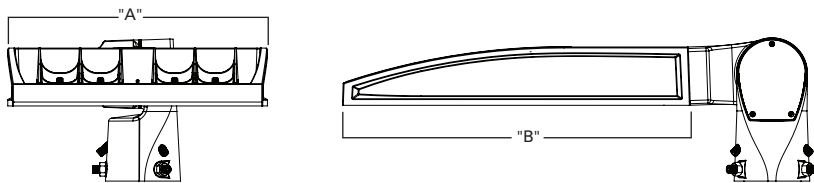


Mounting Details

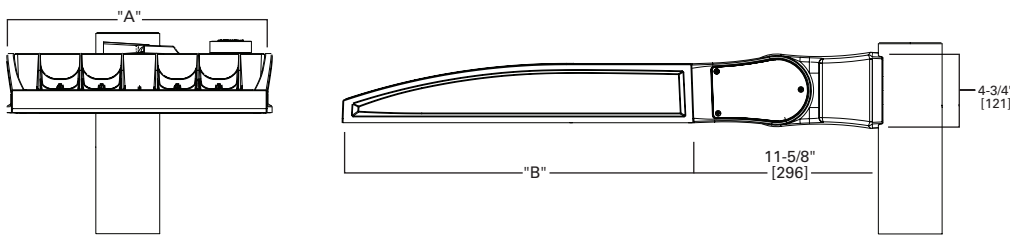
Wall Mount, Adjustable (WA)



Slipfitter, Adjustable (SP)

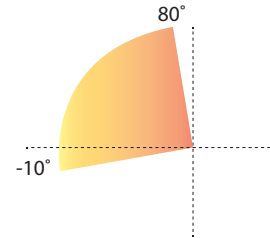


Pole Mount, Adjustable Arm (PA)



Adjustable Arm Range of Motion

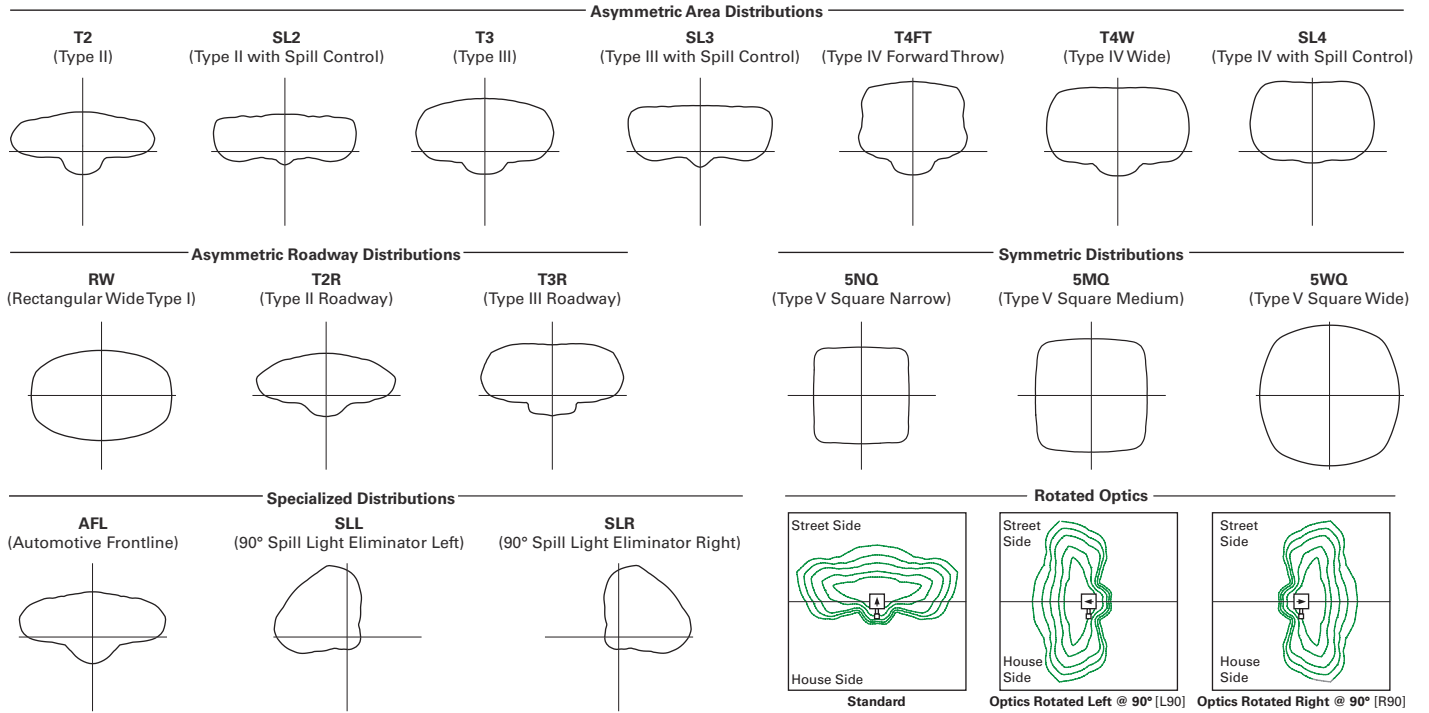
- Wall Mount (WA), Slipfitter (SP) and Pole Mount (PA)
- Adjustable in increments of 5°
- Must maintain downward facing orientation



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
- 16 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.

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
Nominal Power (Watts)		33	63	93	121	154	182	215	244	274
Input Current @ 120V		0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335
Input Current @ 208V		0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379
Input Current @ 240V		0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194
Input Current @ 277V		0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057
Input Current @ 347V		0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816
Input Current @ 480V		0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600
Optics										
T2	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
T2R	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
T3	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
T3R	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
T4FT	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
T4W	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
SL2	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
SL3	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
SL4	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
5NQ	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
5MQ	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
5WQ	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
SLL/ SLR	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
RW	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
AFL	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										
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/ 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	
Nominal Power (Watts)	57	108	160	213	269	321	377	429	481	
Input Current @ 120V	0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013	
Input Current @ 208V	0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339	
Input Current @ 240V	0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991	
Input Current @ 277V	0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745	
Input Current @ 347V	0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414	
Input Current @ 480V	0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022	
Optics										
T2	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
T2R	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
T3	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
T3R	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
T4FT	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
T4W	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
SL2	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
SL3	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
SL4	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
5NQ	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
5MQ	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
5WQ	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
SLL/SLR	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
RW	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
AFL	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
Nominal Power (Watts)		65	125	184	245	309	368	433	493	552
Input Current @ 120V		0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605
Input Current @ 208V		0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679
Input Current @ 240V		0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274
Input Current @ 277V		0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987
Input Current @ 347V		0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628
Input Current @ 480V		0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173
Optics										
T2	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
T2R	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
T3	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
T3R	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
T4FT	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
T4W	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
SL2	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
SL3	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
SL4	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
5NQ	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
5MQ	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
5WQ	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
SLL/ SLR	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
RW	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
AFL	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)

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when no motion is detected. After a period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. 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. An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Three sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'. 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.

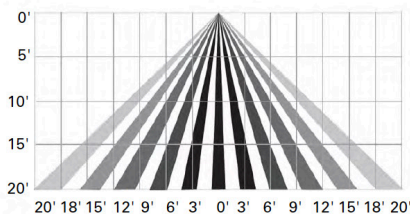
SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

SPB/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

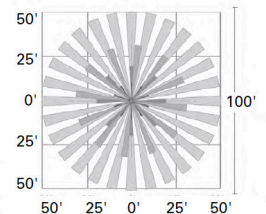
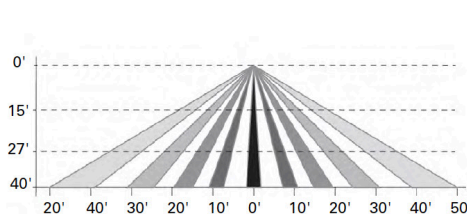
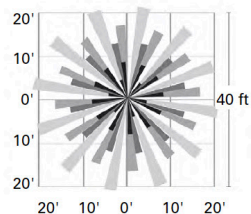
WaveLinx Wireless Control and Monitoring System

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 MS/DC motion sensor; requires additional Synapse system components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.

Project		Catalog #		Type	
Prepared by		Notes		Date	



McGraw-Edison

GWC Galleon Wall

Wall Mount Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Product Specifications [page 2](#)
- Optical Configurations [page 3](#)
- Energy and Performance Data [page 4](#)
- Control Options [page 6](#)

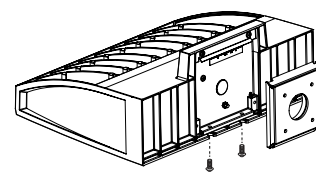
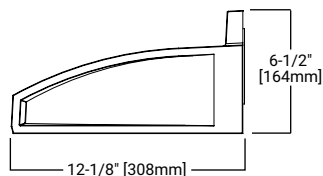
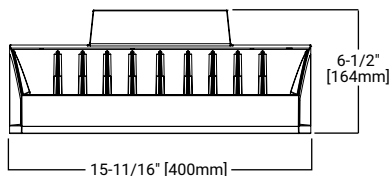
Quick Facts

- Choice of thirteen high-efficiency, patented AccuLED Optics
- Downward and inverted wall mounting configurations
- Eight lumen packages from 3,215 up to 17,056
- Efficacies up to 154 lumens per watt

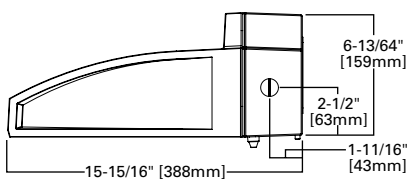
Connected Systems

- WaveLinX
- Enlighted

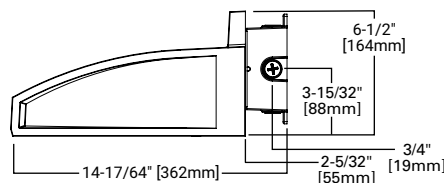
Dimensional Details



GWC with CBP option installed
(Thru-Branch Back Box accessory MA1059XX)



GWC with accessory BB/GWCXX Back Box installed



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

Ordering Information

SAMPLE NUMBER: GWC-SA2C-740-U-T4FT-GM

Product Family ¹	Light Engine		Color Temperature	Voltage	Distribution	Finish
	Configuration	Drive Current				
GWC =Galleon Wall BAA-GWC =Galleon Wall, Buy American Act Compliant ³⁵ TAA-GWC =Galleon Wall, Trade Agreements Act Compliant ³⁵	SA1 =1 Square SA2 =2 Squares ²	A =615mA B =800mA C =1000mA D =1200mA ⁴	722 =70CRI, 2200K 727 =70CRI, 2700K 730 =70CRI, 3000K 735 =70CRI, 3500K 740 =70CRI, 4000K 750 =70CRI, 5000K 760 =70CRI, 6000K 827 =80CRI, 2700K 830 =80CRI, 3000K AMB =Amber, 590nm ^{3,4}	U =120-277V 1 =120V 2 =208V 3 =240V 4 =277V 8 =480V ^{6,7} 9 =347V ⁶ DV =277-480V DuraVolt Drivers ^{7,8,37}	T2 =Type II T3 =Type III T4FT =Type IV Forward Throw T4W =Type IV Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SLL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right RW =Rectangular Wide Type I 5NQ =Type V Square Narrow 5MQ =Type V Square Medium 5WQ =Type V Square Wide	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
Options (Add as Suffix)		Controls and Systems Options (Add as Suffix)		Accessories (Order Separately) ³⁶		
F =Single Fused (120, 277 or 347V. Must Specify Voltage) FF =Double Fused (208, 240 or 480V. Must Specify Voltage) 10K =10kV Surge Module 20K =Series 20kV UL 1449 Surge Protective Device 2L =Two-Circuit Light Engine ³⁸ DIM =External 0-10V Dimming Leads ^{9,10} CBP =Battery Pack with Back Box, Cold Weather Rated ^{2,4,14,33} CBP-CEC =Battery Pack with Back Box, Cold Weather Rated, CEC compliant ^{2,4,14} BB =Shipped with Back Box Accessory ³⁹ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right HSS =Factory Installed House Side Shield ²³ GRSBK =Factory Installed Glare Shield, BK ^{4,27} GRSWH =Factory Installed Glare Shield, WH ^{4,27} UPL =Uplight Housing ¹⁵ HA =50°C High Ambient ¹² LCF =Light Square Trim Plate Painted to Match Housing ²² MT =Factory Installed Mesh Top CC =Coastal Construction finish ⁵ CE =CE Marking and Small Terminal Block ²⁴ AHD145 =After Hours Dim, 5 Hours ¹⁶ AHD245 =After Hours Dim, 6 Hours ¹⁶ AHD255 =After Hours Dim, 7 Hours ¹⁶ AHD355 =After Hours Dim, 8 Hours ¹⁶ DALI =DALI Driver ¹¹		BPC =Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) PR =NEMA 3-PIN Twistlock Photocontrol Receptacle PR7 =NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁵ SPB1 =Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting ^{19,34} SPB2 =Dimming Occupancy Sensor with Bluetooth Interface, 8' - 20' Mounting ^{19,34} SPB4 =Dimming Occupancy Sensor with Bluetooth Interface, 21' - 40' Mounting ^{19,34} MS-LXX =Motion Sensor for On/Off Operation ^{17,18,19} MS/DIM-LXX =Motion Sensor for Dimming Operation ^{17,18,19} ZW =WaveLinx-enabled 4-PIN Twistlock Receptacle ^{29,30} ZD =WaveLinx Module with DALI driver and 4-PIN Receptacle ^{29,30} SWPD4XX =WaveLinx Sensor Only, 7'-15' ^{31,32} SWPD5XX =WaveLinx Sensor Only, 15'-40' ^{31,32} WOBXX =WaveLinx Sensor with Bluetooth, 7'-15' ^{31,32} WOFXX =WaveLinx Sensor with Bluetooth, 15'-40' ^{31,32} LWR-LW =Enlightened Wireless Sensor, Wide Lens for 8'-16' Mounting Height ^{19,20,21} LWR-LN =Enlightened Wireless Sensor, Narrow Lens for 16'-40' Mounting Height ^{19,20,21}		OA/RA1013 =Photocontrol Shorting Cap OA/RA1016 =NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1027 =NEMA Photocontrol - 480V MA1252 =10kV Circuit Module Replacement MA1059XX =Thru-branch Back Box (Must Specify Color) BB/GWCXX =Back Box (Must Specify Color) LS/HSS =Field Installed House Side Shield ^{23,25} LS/GRSBK =Glare Shield, Black ^{25,27} LS/GRSWH =Glare Shield, White ^{25,27} LS/PFS =Perimeter Shield, Black ²⁸ FSIR-100 =Wireless Configuration Tool for Occupancy Sensor ¹⁷ WOLC-7P-10A =WaveLinx Outdoor Control Module (7-pin) ^{26,29} SWPD4-XX =WaveLinx Wireless Sensor, 7' - 15' Mounting Height ^{29,30,31,32} SWPD5-XX =WaveLinx Wireless Sensor, 15' - 40' Mounting Height ^{29,30,31,32}		
NOTES: 1. DesignLight Consortium® Qualified. Refer to www.designlights.org, Qualified Products List under Family Models for details. 2. Two light squares with CBP options limited to 25°C. CBP not available in combination with sensor options at 1200mA. 3. 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. 4. Not available with HA option. 5. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 6. Require the use of a step down transformer. Not available in combination with sensor options at 1200mA. 7. 480V not to be used with ungrounded or impedance grounded systems. 8. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information. 9. Cannot be used with other control options. 10. Low voltage control leads extended 18" from fixture. 11. Not available in 1200mA. When used with CBP or HA options, only available with single light square. 12. Not available in 1200mA, UPL or CBP options. Available with single light square. 13. Not available with SL2, SL3, SL4, HA, CBP, PR or PR7 options. 14. Operates a single light square only. Operates at -20°C to +40°C. Backbox is non-IP rated. Control option limited to BPC. 15. Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls. 16. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 17. The FSIR-100 configuration tool is required to adjust parameters such as high and low modes, sensitivity, time delay and cutoff. Consult your lighting representative at Cooper Lighting Solutions for more information. 18. Replace LXX with L08 (<8' mounting), L20 (8'-20' mounting) or L40W (21'-40' mounting). 19. Includes integral photosensor. 20. Enlightened wireless sensors are factory installed requiring network components in appropriate quantities. 21. White sensor shipped on all housing color options. 22. Not available with HSS or GRS options. 23. Not for use with 5NQ, 5MQ, 5WQ or RW optics. The light square trim plate is painted black when the HSS option is selected. 24. CE is not available with the 1200, DALI, LWR, MS, MS/DIM, BPC, PR or PR7 options. Available in 120-277V only. 25. One required for each light square. 26. Requires PR7. 27. Not for use with T4FT, T4W or SL4 optics. 28. Set of 4 pcs. Once set required per Light Square. 29. Cannot be used in conjunction with additional photocontrol or other controls systems (BPC, PR, PR7, MS, LWR). 30. WAC Gateway required to enable field-configurability. Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. 31. Requires ZW or ZD receptacle. 32. Replace XX with sensor color (WH, BZ, or BK). 33. Specify 120V or 277V. 34. Smart device with mobile application required to change system defaults. See controls section for details. 35. 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 website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 36. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 37. Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB. 38. 2L not available with FF, AHD or DALI options. Controls and/or battery packs operate only one of the two circuits when 2L is specified. 2L with controls options not available with 347V or 480V. 39. Not available with CBP or CBP-CEC options.						

Product Specifications

Construction

- Driver enclosure thermally isolated from optics for optimal thermal performance
- Die-cast aluminum heat sinks
- IP66 rated housing
- 1.5G vibration rated

Optics

- Patented, high-efficiency injection-molded AccuLED Optics technology
- 13 optical distributions
- IDA Certified (3000K CCT and warmer only)

Electrical

- LED driver assembly mounted for ease of maintenance
- Standard with 0-10V dimming
- Optional 10kV or 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments; Optional 50°C high ambient (HA) configuration

Mounting

- Gasketed and zinc plated rigid steel mounting attachment
- "Hook-N-Lock" mechanism for easy installation

Finish

- Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is powder coated black
- RAL and custom color matches available
- Coastal Construction (CC) option available

Typical Applications

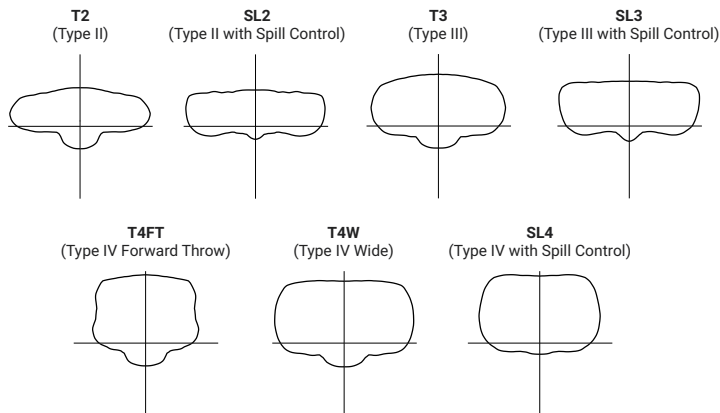
- Exterior Wall, Walkway

Warranty

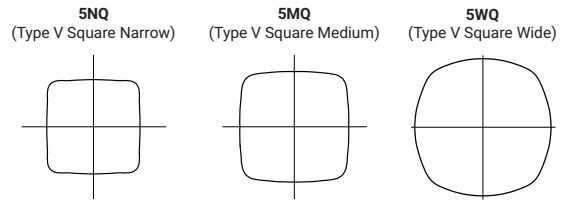
- Five-year warranty

Optical Distributions

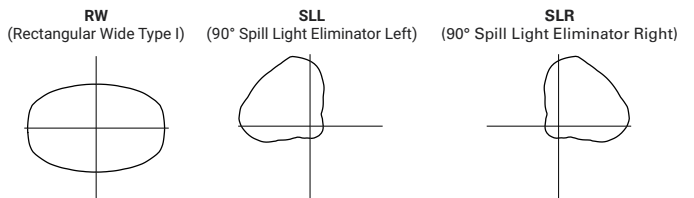
Asymmetric Area Distributions



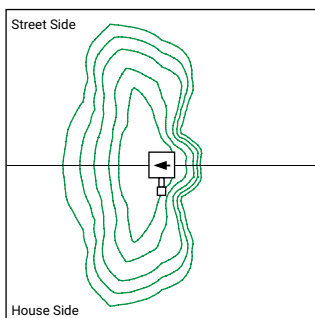
Symmetric Distributions



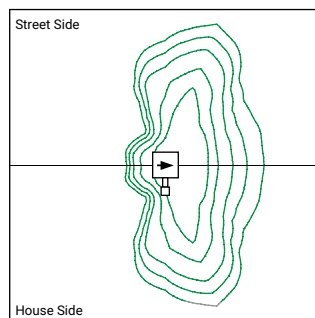
Specialized Distributions



Optic Orientation



Optics Rotated Left @ 90° [L90]



Optics Rotated Right @ 90° [R90]

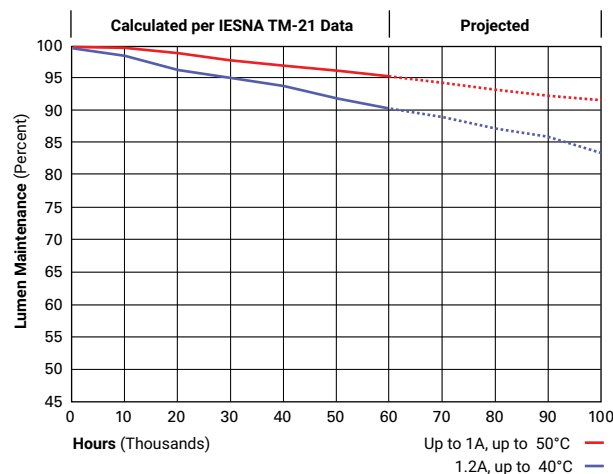
Energy and Performance Data

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

Lumen Maintenance

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



Energy and Performance Data

 View GWC Galleon Wall IES files

4000K/5000K/6000K CCT, 70 CRI

Number of Light Squares		1				2			
Drive Current		615mA	800mA	1050mA	1.2A	615mA	800mA	1050mA	1.2A
Nominal Power (Watts)		34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (A)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (A)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	Lumens	4,883	5,989	7,412	8,131	9,543	11,703	14,485	15,891
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	Lumens per Watt	144	136	126	121	145	136	128	123
T3	Lumens	4,978	6,105	7,556	8,288	9,729	11,929	14,764	16,196
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	146	139	128	124	147	139	131	126
T4FT	Lumens	5,008	6,140	7,599	8,337	9,783	11,998	14,850	16,290
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	147	140	129	124	148	140	131	126
T4W	Lumens	4,942	6,060	7,502	8,229	9,658	11,843	14,658	16,080
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
	Lumens per Watt	145	138	127	123	146	138	130	125
SL2	Lumens	4,874	5,979	7,399	8,117	9,528	11,684	14,461	15,863
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G3
	Lumens per Watt	143	136	125	121	144	136	128	123
SL3	Lumens	4,976	6,104	7,555	8,287	9,727	11,927	14,763	16,194
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	146	139	128	124	147	139	131	126
SL4	Lumens	4,729	5,799	7,178	7,873	9,239	11,333	14,025	15,387
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4
	Lumens per Watt	139	132	122	118	140	132	124	119
5NQ	Lumens	5,134	6,296	7,793	8,547	10,033	12,303	15,226	16,704
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
	Lumens per Watt	151	143	132	128	152	143	135	129
5MQ	Lumens	5,228	6,412	7,935	8,705	10,216	12,529	15,508	17,011
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	154	146	134	130	155	146	137	132
5WQ	Lumens	5,242	6,428	7,956	8,728	10,244	12,563	15,548	17,056
	BUG Rating	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	154	146	135	130	155	146	138	132
SLL/SLR	Lumens	4,373	5,365	6,640	7,283	8,547	10,481	12,973	14,231
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	129	122	113	109	130	122	115	110
RW	Lumens	5,087	6,238	7,721	8,472	9,941	12,190	15,088	16,553
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	150	142	131	126	151	142	134	128

* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

3000K CCT, 80 CRI

Number of Light Squares		1				2			
Drive Current		615mA	800mA	1050mA	1.2A	615mA	800mA	1050mA	1.2A
Nominal Power (Watts)		34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (A)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (A)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	Lumens	3,880	4,759	5,890	6,461	7,583	9,300	11,510	12,628
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	114	108	100	96	115	108	102	98
T3	Lumens	3,956	4,851	6,004	6,586	7,731	9,479	11,732	12,870
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	Lumens per Watt	116	110	102	98	117	110	104	100
T4FT	Lumens	3,980	4,879	6,038	6,625	7,774	9,534	11,800	12,945
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	117	111	102	99	118	111	104	100
T4W	Lumens	3,927	4,816	5,961	6,539	7,675	9,411	11,648	12,778
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	116	109	101	98	116	109	103	99
SL2	Lumens	3,873	4,751	5,880	6,450	7,571	9,285	11,491	12,605
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	114	108	100	96	115	108	102	98
SL3	Lumens	3,954	4,851	6,004	6,585	7,729	9,478	11,731	12,868
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	116	110	102	98	117	110	104	100
SL4	Lumens	3,758	4,608	5,704	6,256	7,342	9,006	11,145	12,227
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3
	Lumens per Watt	111	105	97	93	111	105	99	95
5NQ	Lumens	4,080	5,003	6,193	6,792	7,973	9,776	12,099	13,274
	BUG Rating	B2-U0-G0	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2
	Lumens per Watt	120	114	105	101	121	114	107	103
5MQ	Lumens	4,154	5,095	6,305	6,917	8,118	9,956	12,323	13,518
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	122	116	107	103	123	116	109	105
5WQ	Lumens	4,166	5,108	6,322	6,936	8,140	9,983	12,355	13,553
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	123	116	107	104	123	116	109	105
SLL/SLR	Lumens	3,475	4,263	5,276	5,787	6,792	8,329	10,309	11,309
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	102	97	89	86	103	97	91	88
RW	Lumens	4,042	4,957	6,135	6,732	7,900	9,687	11,990	13,154
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
	Lumens per Watt	119	113	104	100	120	113	106	102

* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

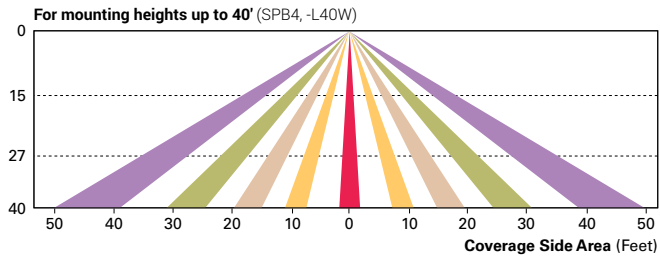
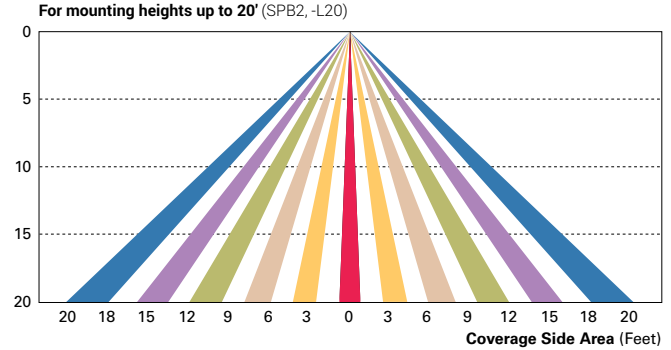
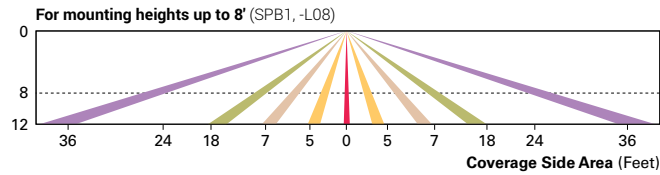
Control Options

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

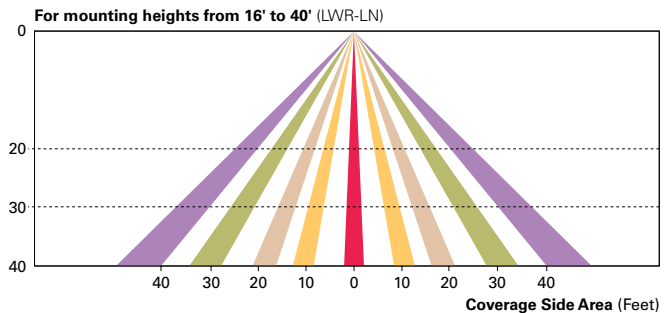
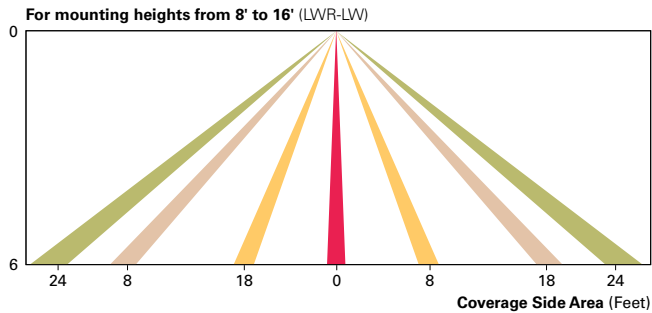
Photocontrol (BPC, PR, and PR7) Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

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, MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.



Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN) The Enlighted control system is a connected lighting solution, combining LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes while collecting valuable data about building performance and use. Software applications utilizing energy dashboards maximize data inputs to help optimize the use of other resources beyond lighting.



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A) The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.