# III. E

# **Memorandum** Department of Planning & Development Services

**To:** Planning and Public Works Committee

From: Cassie Harashe, Planner

**Date:** August 9, 2018

**Mobil Mart at Baxter and Clayton (Brite Worx)**: A Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 1.72 acre tract of land zoned "PC" Planned Commercial District located on the western corner of the intersection of Clayton Road and Baxter Road.

# **Summary**

RE:

The request is for a Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and an Architect's Statement of Design for a new 4,020 square foot stand-alone carwash facility at 14905 Clayton Road. The proposed building is to be constructed of EIFS and brick veneer with a stone base and a clear acrylic roof system. Accents include metal fascia, exposed steel ribbing, and clear glass windows. The subject site is zoned "PC" Planned Commercial District and is governed under the terms and conditions of City of Chesterfield Ordinance 2977.

The project was reviewed by the Architectural Review Board on May 10, 2018. A motion was made to forward the Site Development Plan to the Planning Commission with a recommendation for approval by a vote of 5-0 with the following conditions: Revise the planting locations along the north property line to provide adequate space for all plantings, provide photos of nighttime conditions to illustrate the appearance of the roofing material while lit at night, and ensure lighting levels as indicated on the lighting plans will be maintained in the future. All of the ARB conditions have been fulfilled by the applicant.

Planning Commission reviewed the project at the July 9, 2018 meeting, where additional information regarding the colors of the accessory elements and revised section views were requested. No vote was held at that meeting. At the July 23, 2018 meeting, Planning Commission recommended approval of the request by a vote of 6 - 1 with the conditions of constructing the proposed six-foot wall and utilizing silver accents on the vacuum stations in place of the proposed blue. Ordinance 2977 has automatic Power of Review for the Site Development Plan, Landscape Plan, Lighting Plan, Tree Preservation Plan, and Architectural Elevations.

Since Planning Commission, the applicant has submitted a letter requesting to maintain the blue vacuum structures for consideration.



Mobil Mart at Baxter and Clayton (Brite Worx)

Attached to this report please find a copy of the Applicant's letter, the July 23<sup>rd</sup> and July 9<sup>th</sup> Planning Commission Staff Reports, New Vacuum Station Elements, Section Views, Site Development Plan, Tree Stand Delineation, Tree Preservation Plan, Landscape Plan, Lighting Plan, Lighting Cutsheets, the Architect's Statement of Design, Architectural Elevations, Site Element Photos, Renderings, Night Photos of the Columbia, IL location, and emails from residents.

Attachments: Applicant's Letter July 23, 2018 Planning Commission Staff Report Section Views Proposed Vacuum Station Elements July 9, 2018 Planning Commission Staff Report Site Development Plan Tree Stand Delineation & Tree Preservation Plan Landscape Plan Lighting Plans & Cut Sheets Architect's Statement of Design Architectural Elevations Site Elements Renderings Night Photos of Columbia, IL location Emails from Residents



**Figure 1: Aerial Photo** 

L	1	<b></b>	Ý	h.,,,	l	¥	E	U
-			_			_	-	No. of Concession, name

AUG 0 3 2018

City of Chesterfield Department of Public Services

Civil & Environmental Consultants, Inc

August 3, 2018

City of Chesterfield Attn: Cassie Harashe, AICP 690 Chesterfield Pkwy W Chesterfield, MO 63017

Dear Ms. Harashe:

Subject:

Brite Worx (Wallis Companies) Site Development Plan 14905 Clayton Road Chesterfield, MO 63017 CEC Project #153-224

This letter is a response to the request from the City on our position with regard to the finish on the accessories for the BriteWorx proposed at 14905 Clayton Road.

During the July 9th Planning Commission meeting there were several comments by commission members in regard to the blue accessories. In summary, the Commission suggested that these accessories (particularly the sunscreens and the globe shaped trash receptacle/hose holder) were too much blue. In response we noted that these accessories, are part of the facility brand and are appropriate, but we would review the possibilities and alternatives.

At the July 23<sup>rd</sup> Planning Commission meeting we offered an alternative to the blue accessories. This alternative significantly reduced the amount of blue. In lieu of these blue accessories, we proposed only the poles/arches but *finished in blue to match the building accent*. It was the commission's stance was that even this limited blue was too much and a motion was made to approve with the condition that the vacuum poles/arches be gray/silver. The result was a favorable 6-1 vote.

We feel that the elimination of *all* blue accessories goes above what is reasonable and is arbitrary to this particular site. Our research efforts after the July 9<sup>th</sup> meeting was to find common ground with the neighbors, the commissioners, and the needs of the business. What we felt was a good compromise for these elements ultimately us suggesting a completely different vendor and system for the vacuum area. This system would match the building accent, thus reducing the amount of blue, by having no spheres or sunscreens, but still being able to retain some identification of the brand which again we feel is a reasonable compromise.

Cassie Harashe – City of Chesterfield CEC Project 153-224 Page 2 August 3, 2018

In addition to the above, we would also submit that the silver/stainless steel that the commission preferred over the blue is a subjective decision based individual preferences and in fact may be more noticeable than the blue we are proposing because of the reflectivity.

It should be noted that these accessories are consistent with what has been presented since this development was first presented for zoning. Since that time there have been significant reductions in the amount of blue on the building to the point that while other locations are almost completely blue to now this location proposes only accents of blue. Additionally, many businesses of similar nature use the brand color on accessories and have been approved to do so. One in particular, less than 400 yards down the street was recently approved to increase the amount of their accent color on their carwash building and at no time were they asked to change the color schemes of their accessories or otherwise diminish the branding color scheme.

At almost every meeting, both public and with neighbors, the developer has been accommodating, collaborative, and open. Changes have included items such as building size, orientation, materials, fencing heights and locations, landscaping, and lighting. We have even gone above requirements in cases like installing no u turn signs at two subdivision entrances near the intersection, well outside of the limits of this development, before our project would be allowed to continue in that zoning process. We feel that continuing to now reevaluate and require further changes beyond this compromise is arbitrary to this particular request.

We thank you for your continued efforts in reviewing the proposed redevelopment. Please let us know if there are any additional comments or questions we can address before the Planning & Public Works Committee meets.

Sincerely,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Kevin T. Kamp, P.E. Vice President





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

# **Planning Commission Staff Report**

Project Type: Site	e Development Plar
--------------------	--------------------

Meeting Date: July 23, 2018

From: Cassie Harashe, Planner

Location: 14905 Clayton Road

Description: <u>Mobil Mart at Baxter and Clayton (Brite Worx)</u>: A Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 1.72 acre tract of land zoned "PC" Planned Commercial District located on the western corner of the intersection of Clayton Road and Baxter Road.

# PROPOSAL SUMMARY

The request is for a Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and an Architect's Statement of Design for a new 4,020 square foot stand-alone carwash facility at 14905 Clayton Road. The proposed building is to be constructed of EIFS and brick veneer with a stone base and a clear acrylic roof system. Accents include metal fascia, exposed steel ribbing, and clear glass windows. The subject site is zoned "PC" Planned Commercial District and is governed under the terms and conditions of City of Chesterfield <u>Ordinance 2977</u>.



Figure 1: Site Photo

# **STAFF ANALYSIS**

The Site Development Plan was reviewed at the July 9, 2018 Planning Commission meeting. At that time, there was discussion regarding the height of the screening wall around the buttonhook, as shown in Figure 2. The Commission requested to see section views of the site. The applicant has provided section views with sight lines that include both a 6' fence, as required by the site specific ordinance, and a taller 8' fence as requested by the Planning Commission.

The Site Development Plans still reflect a 6' wall. If the Planning Commission recommends approval with an 8' wall, the plans will be revised prior to the Planning and Public Works Committee Meeting.

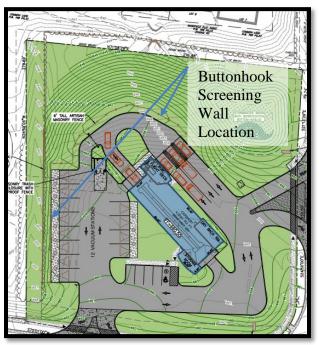


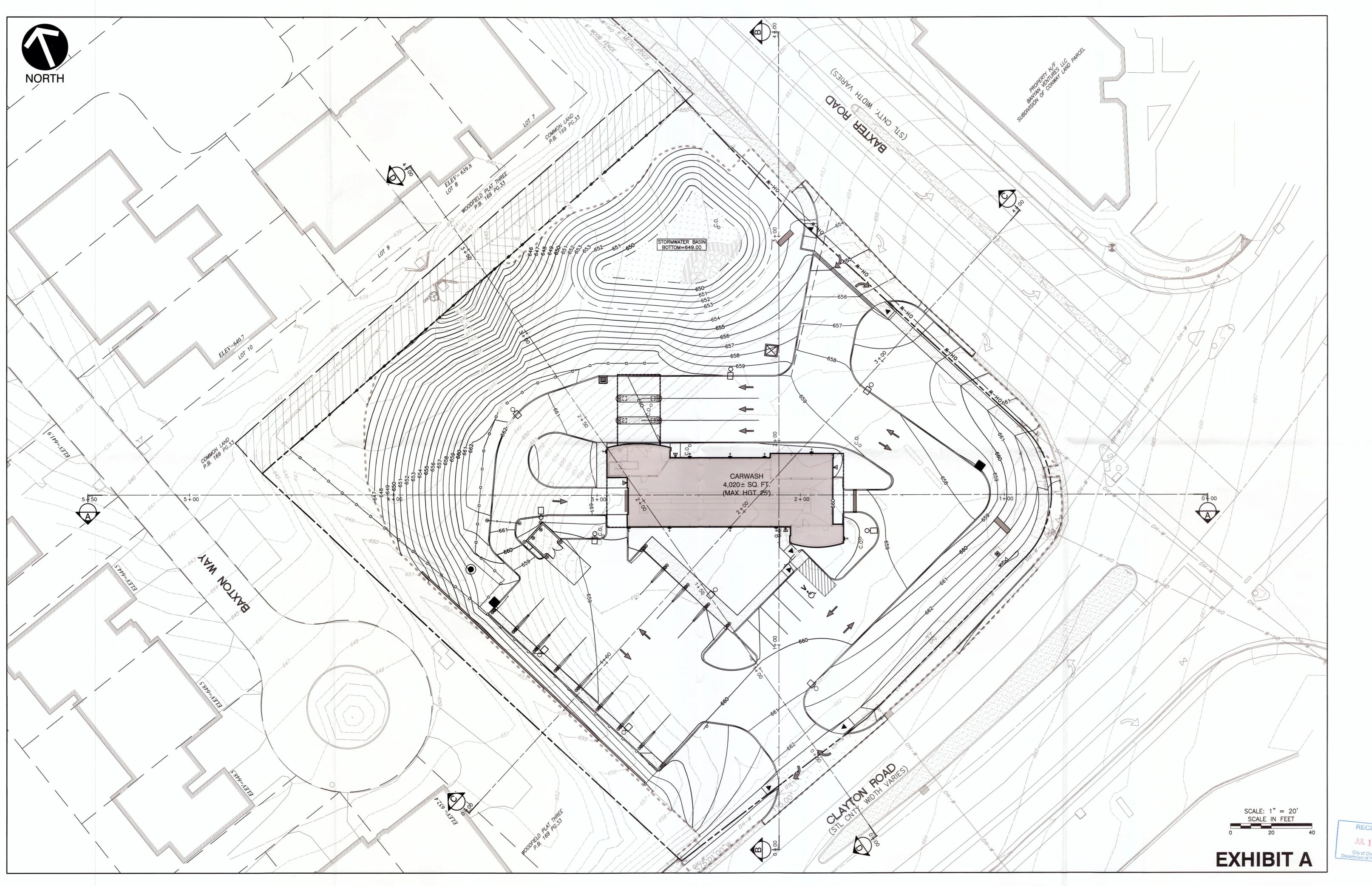
Figure 2: Buttonhook Screening Wall Location

There was also considerable discussion regarding the accessory structures such as the vacuum balls and sun shades. The discussion resulted in a request that the applicant provide additional colors for these elements.

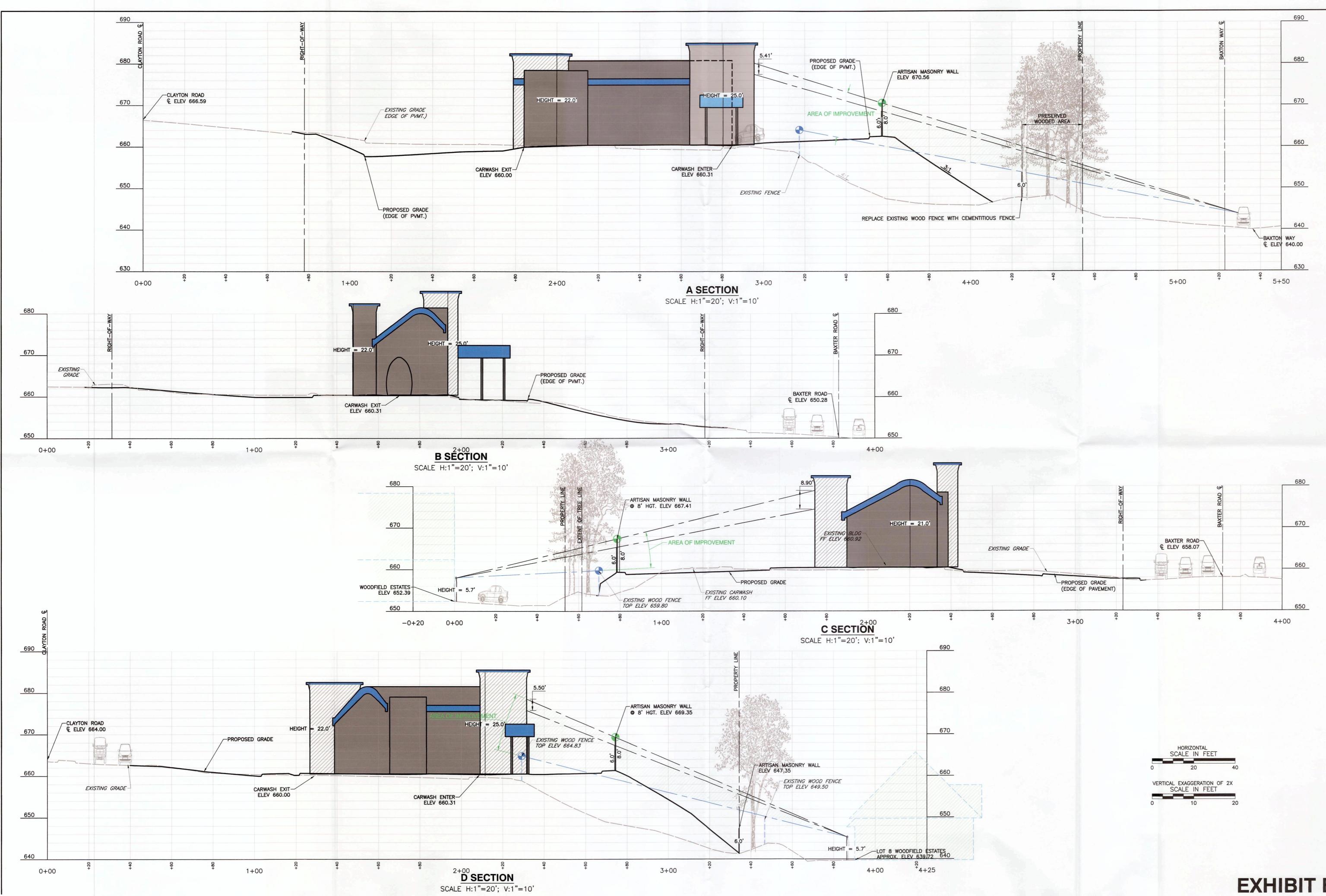
In response the applicant has submitted a different vacuum station that eliminates the ball element and the shade structure element. The new proposed vacuum stations will be placed on the stripe lines of the parking spaces and be 10' tall. The applicant is requesting the poles be blue. They have provided photos of the new vacuum station design. These are included with this report.

Attachments: Section Views

Proposed Vacuum Station Elements July 9, 2018 Planning Commission Staff Report Site Development Plan Tree Stand Delineation & Tree Preservation Plan Landscape Plan Lighting Plans & Cut Sheets Architect's Statement of Design Architectural Elevations Site Elements Renderings Night Photos of Columbia, IL location Emails from Residents



RECEIVED JUL 17 2018 City of Chesterfield Department of Public Services



# **EXHIBIT B**

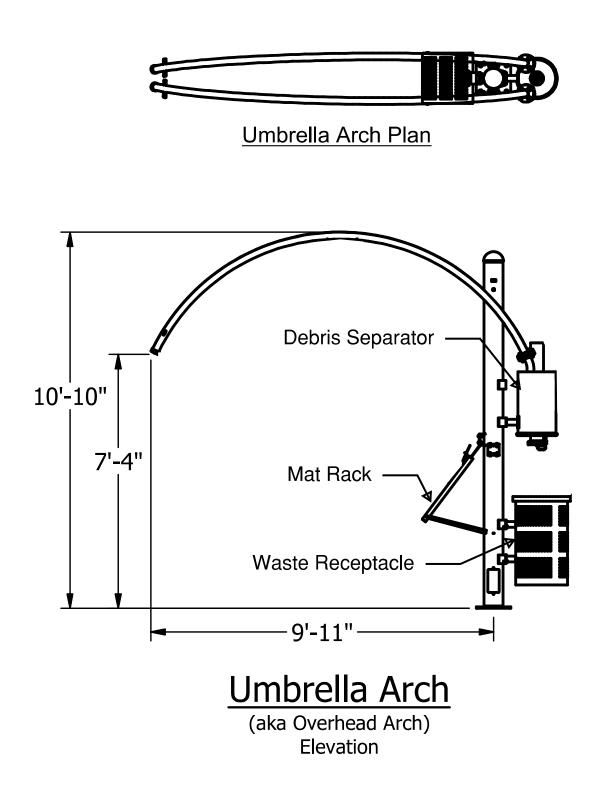
# **VACUUM STATIONS**



**TYPE:** PROPOSE 'UMBRELLA' ARCH (PHOTO ON THE LEFT) WITH POWDER COATED POSTS, ARCHES, AND OPTIONS IN BLUE *SIMILAR* TO THE PHOTO ON LEFT *BUT* USING THE SAME COLOR AS THE BLUE ACCENT ON THE BUILDING.

NOTE:

- IN THE LEFT PHOTO, WE ARE PROPOSING TO SWAP ALL THE YELLOW FEATURES WITH THE BUILDING'S BLUE ACCENT COLOR BUT WITHOUT A CANOPY CLOTH
- THE PHOTO ON RIGHT SHOWS THE 'PALM' ARCH, NOT THE 'UMBRELLA' ARCH WE ARE PROPOSING, BUT SHOWS THE STATIONS W/O A CANOPY CLOTH USING *SIMILAR* COLORS *EXCEPT* WE ARE PROPOSING *ALL* BLUE (IN LIEU OF BLUE CANOPY CLOTH).







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: July 9, 2018

From: Cassie Harashe, Planner

Location: 14905 Clayton Road

Description: <u>Mobil Mart at Baxter and Clayton (Brite Worx)</u>: A Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 1.72 acre tract of land zoned "PC" Planned Commercial District located on the western corner of the intersection of Clayton Road and Baxter Road.

# PROPOSAL SUMMARY

The request is for a Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and an Architect's Statement of Design for a new 4,020 square foot stand-alone carwash facility at 14905 Clayton Road. The proposed building is to be constructed of EIFS and brick veneer with a stone base and a clear acrylic roof system. Accents include metal fascia, exposed steel ribbing, and clear glass windows. The subject site is zoned "PC" Planned Commercial District and is governed under the terms and conditions of City of Chesterfield Ordinance 2977.



Figure 1: Site Photo

# **HISTORY OF SUBJECT SITE**

The subject property was originally zoned "C8" Planned Commercial District. In 1998, Arch Energy petitioned to change the zoning to allow for a filling station, a fast food restaurant, and a vehicle washing facility for automobiles. After initially being denied by the City, the zoning was changed to "PC" Planned Commercial District in June 2001 by <u>Ordinance 1750</u>. Ordinance 1750 underwent two amendments in 2001, ultimately ending with <u>Ordinance 1803</u>. In 2018, the subject site was zoned "PC" Planned Commercial District by City of Chesterfield <u>Ordinance 2977</u> to establish all new development criteria and uses for the site. The only approved use under this ordinance is a standalone car wash. There are several development criteria for this development including screening walls for both acoustic mitigation and aesthetic purposes, stricter lighting standards and restrictive access management standards.

	AND USE AND ZUNING OF SURROUNDING FROM EXTER										
Direction	Zoning	Land Use									
North &	"R3" Residence District (10,000 sq.	Attached single family residences within									
West	ft.)	the Woodfield Subdivision									
South	"PC" Planned Commercial and "C2"	Pharmacy and Bank located within the									
	Shopping Districts	Walgreens at Clayton and Baxter Center									
		and No Subdivision Ward 3									
East	"C8" Planned Commercial District	Commercial properties within the Baxter									
		Center Subdivision									

# LAND USE AND ZONING OF SURROUNDING PROPERTIES

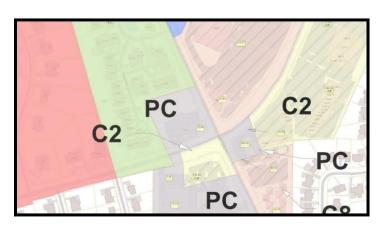


Figure 2: Zoning Map

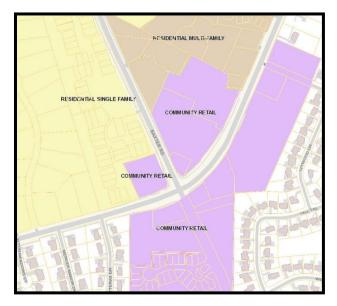


Figure 3: Comprehensive Land Use Plan

# **COMPREHENSIVE PLAN ANALYSIS**

The subject site is located within Ward 3 of the City of Chesterfield. The City of Chesterfield Land Use Plan gives this parcel a Community Retail designation. The Plan Policies chapter of the Code calls for:

"Community Retail development along Highway 340 (Clarkson Road/Olive Boulevard) should be limited to the Urban Core and a select number of high quality, well-planned nodes clustered at the following locations: Baxter Road, Hilltown Center, Woods Mill/Highway 141." More specifically in the Land Use Element chapter, it defines Community Retail as "Serving Multiple Neighborhoods and Neighboring Communities". It further clarifies locations of Community Retail to include the intersection of Clayton Road and Baxter Road. There are three policies related to Commercial Development laid out in the Comprehensive Plan.

*Policy 3.1 Quality Commercial Development* - Commercial developments should positively affect the image of the City, provide employment opportunities, and offer retail and service options to residents.

This Site Development Plan is for the redevelopment of the Mobil Gas Station to be replaced with a Brite Worx Car Wash. This project offers a different service option to residents.

*Policy 3.1.1 Quality of Design* - Overall design standards should provide for smaller scale, mixed-use, project-oriented developments. Developments should emphasize architectural design, pedestrian circulation, landscaping, open space, innovative parking solutions and landscape buffering between any adjacent residential uses.

The redevelopment of this site is proposing a smaller footprint of impervious surfaces and more open space than a previously approved redevelopment plan. Design elements including elevations, circulation, landscaping and open space are discussed further in this report.

*Policy 3.1.2 Buffering of Neighborhoods* - Development should substantially buffer the neighboring residential uses in all directions by employing good site design, addressing vehicular access, building materials selection, tree preservation, and expanded setbacks.

This development is providing buffering through the use of site design, screening walls, landscaping, tree preservation, and setbacks. These specific areas are discussed later in this report.

This subject site is not located in any sub-area identified by the Comprehensive Plan; therefore there are no additional development guidelines for this site.

# **STAFF ANALYSIS**

# Circulation System & Access

The proposed carwash is to be located on a diagonal with the exit of the carwash facing the intersection of Clayton Road and Baxter Road. During the zoning process, the location of the carwash in relationship to the adjacent property owners was discussed at length. The length and the angle of the carwash were located to be as far from the residents as possible while still meeting other requirements such as, throat depths, turning radii, and landscape buffers. This angle also allows the exit of the carwash with the drying system to be located at the end of the carwash closest to the intersection. This puts the loudest portion of the carwash further away from the residents. The carwash will have vacuum stations on the western side that utilize a

central vacuum system; this system will be enclosed within the taller of the two towers on the building, again to minimize the amount of noise the site will generate.

Proposed ingress and egress from the site will be from two right-in/right-out access points, one on Clayton Road and one on Baxter Road, as required by the governing ordinance. Parking is proposed at the vacuum stations and north of the drive aisle along Clayton Road. Vehicles will enter the carwash from the northwest corner and exit at the southeast corner; customers can then turn left to access the vacuum stations.

A sidewalk is already in place along both Clayton and Baxter Roads to provide pedestrian access.

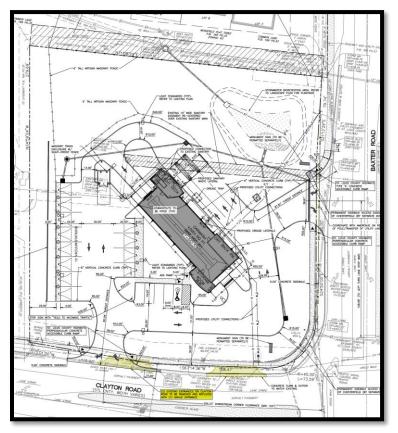


Figure 4: Site Plan

# **Topography & Retaining Walls**

The subject site has an approximately 15 foot grade change from the northern side of the development to the north property line. One modular block retaining wall is proposed on the western side of the development along an existing wooden fence. This wooden fence will be removed, except the most southern 35'. This portion of the wood fence connects to a 13 foot section of chain link fence that carries over from the neighboring development to the west.

# **Architectural Elevations**

There are two tower elements, one on the northeast and one on the southwest side of the carwash tunnel. The northeast tower will be 25 feet tall and the southwest tower will be 22' 5"

tall. The carwash tunnel is approximately 116 feet long and 21 feet tall. The tunnel portion of the carwash is a similar scale to the Walgreens to the south and the gas station canopy to the southeast. The scale of the building is broken down by providing various height changes along the east and west elevations, and a logical pattern of materials and windows along the north and south elevations. The applicant is proposing two human entry points which are adjacent to the auto entrance and exits on the narrow ends of the building. Finally, the building is provided with human scale by using horizontal banding to reduce the visual scale of the vertical elements.

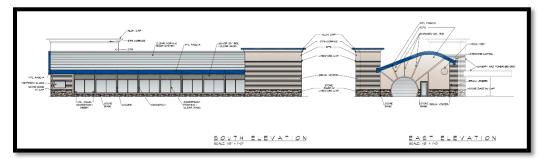


Figure 5: Color Elevations

Materials planned for this proposal include EIFS, brick veneer, stone base, a clear acrylic roof system, metal fascia, exposed steel ribbing, clear glass windows, limestone coping, aluminum gutters and downspouts. The EIFS, brick veneer, and stone base will be in shades of tan with metal fascia accent pieces in Pantone 23, Blue. During the zoning process, different elevations were shown to residents and the Planning and Public Works Committee. The final elevation proposed, Figure 5, does significantly match what was presented at the Planning and Public Works Committee meeting.

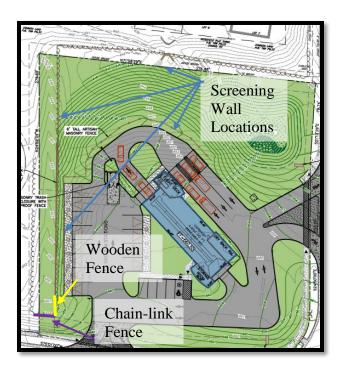


Figure 6: Screening Wall & Fence Locations

# Landscaping, Screening, and Open Space

Landscaping is planned in association with the proposed development as required by the City of Chesterfield. The landscape design provides both deciduous and evergreen trees throughout the site, along with preserving many existing trees along the north and west property lines. Due to the presence of existing overhead utility lines and large sight distance triangles along Clayton Road and Baxter Road, the applicant is proposing a wide variety of low growing species in a meandering pattern to provide a wide variety of textures and colors. Additionally, many of these species have been integrated throughout the site to ensure a variety of seasonal color and texture is present.

Per the requirements of Ordinance 2977, the site should have an artisan concrete screen wall along the western edge of the vacuum station that continues to wrap around the northern side of the drive aisle around the development. The Ordinance also has a requirement that an artisan concrete wall be installed along the northern property line. The Site Development Plan shows the required wall, along with an artisan concrete wall that connects the northern wall to where the wall turns at the vacuum stations, essentially providing a continuous wall along the western and northern property lines. The locations of these walls are indicated by blue arrows in Figure 6.

At the southern end of the vacuum stations, the artisan wall will end and tie into a portion of the existing wood fence. The wooden fence is currently parallel to a large portion of the western property line. This fence will be removed, except for the portion indicated in yellow in Figure 6. This wood fence connects to an existing chain-link fence; approximately 13' of this fence, shown in purple in Figure 6, carries over onto the subject site from the southern property line of the Woodfield Development. The existing conditions of these fences can be seen in Figure 7.

A trash enclosure is planned to be located at the northeast corner of the building. The enclosure is proposed to be the same material as the artisan concrete screening wall with sight proof doors in a similar color.

A minimum of 35% open space is required for this development by <u>Ordinance 2977</u>. The proposal exceeds this requirement with 56.5% proposed open space.



Figure 7: Existing Fencing Conditions

# Lighting

Lighting is planned in association with this development. The proposed lighting plan consists of one (1) light standard at two different heights. Per Ordinance No. 2977, light poles cannot exceed 8' on the north and west sides of the development and 16' elsewhere on the site. The applicant is proposing to use the same utilitarian light fixture on two different pole heights to comply with the Ordinance. The only wall mounted fixtures will be located at the human entry and exit points.

No accent lighting is proposed for this building. The Ordinance also has stricter requirements pertaining to non-security lighting. The applicant has provided five lighting plans, one for the site as a whole during operating hours, one for the site as a whole indicating the security lighting. Since the proposed building design includes a clear roof, they have additionally provided one for inside the tunnel during operating hours at the roof, one for inside the tunnel during operating hours at grade, and one for inside the tunnel at grade indicating security lighting.

# ARCHITECTURAL REVIEW BOARD INPUT

This project was reviewed by the Architectural Review Board on May 10, 2018. At that meeting, the Board recommended approval with three conditions.

• Revise the planting locations along the north property line to provide adequate space for all plantings.

The applicant has since revised their landscape plan to provide a sufficiently planted 30' landscape buffer and to provide additional space for the proposed trees along the north property line.

• Provide photos of nighttime conditions to illustrate the appearance of the roofing material while lit at night.

The applicant has provided photos of their location at Columbia, Illinois to demonstrate the amount of sky glow the clear roofing material would produce. All photos are included in the Commission's packet, and one can be seen in Figure 8, below.

• Ensure lighting levels as indicated on the lighting plans will be maintained in the future.

Section VII. Enforcement, Item A. of Ordinance 2977 states 'The City of Chesterfield, Missouri will enforce the conditions of this ordinance in accordance with the Plan approved by the City of



*Figure 8: Columbia, Illinois Brite Worx Location at night* 

Chesterfield and the terms of this Attachment 'A'. As a result of this, the City of Chesterfield has the authority to issue a violation should the lighting levels be out of compliance with the approved plan.

# **STAFF RECOMENDATION**

Staff has reviewed the Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design and found it in compliance with the site specific ordinance, Comprehensive Plan, and City Code requirements. Staff recommends approval of the proposed development of Brite Worx Car Wash Site Development Plan.



Figure 9: Color Rendering

# **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 Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for Brite Worx Car Wash."
- 2) "I move to approve (or deny) the Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for Brite Worx Car Wash with the following conditions..." (Conditions may be added, eliminated, altered, or modified).

Attachments:	Site Development Plan
	Tree Stand Delineation & Tree Preservation Plan
	Landscape Plan
	Lighting Plans & Cut Sheets
	Architect's Statement of Design
	Architectural Elevations
	Site Elements
	Renderings
	Night Photos of Columbia, IL location
	Emails from Residents

# BRITE CarWasher

NORTH

# BENCHMARK

PROJECT BENCHMARK: "L" ON THE SOUTHWEST CORNER OF THE SOUTH HEADWALL OF A BOX CULVERT, 100' EAST OF THE CENTER LINE OF BAXTER ROAD AND 31' SOUTH OF MANOR KNOLL DRIVE. ELEV.584.94 (USGS DATUM) AS PUBLISHED IN THE METROPOLITAN ST. LOUIS SEWER DISTRICT ST. LOUIS COUNTY BENCHMARK BOOK (REVISED 6/97) BM4 12-89

SITE BENCHMARK: "L" ON THE WEST CORNER AT NORTH END OF 10" CONCRETE WALL AT THE NORTHEAST CORNER OF BAXTER AND CLAYTON ROADS. 45' EAST OF THE CENTERLINE OF BAXTER ROAD AND 125' NORTH OF THE CENTERLINE OF CLAYTON ROAD. ELEV.=661.29



# **DEPARTMENT OF PLANNING AND DEVELOPMENT SERVICES**

# SCRIPT FOR A SITE DEVELOPMENT PLAN

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

INTERSECTION OF THE WESTERN RIGHT OF WAY LINE OF BAXTER ROAD AS WIDENED BY DEED RECORDED IN BOOK 8202 PAGE 1228 OF THE ST. LOUIS COUNTY RECORDS WITH THE NORTHERN LINE OF A TRACT OF O SOCONY MOBIL OIL COMPANY, BY DEED RECORDED IN BOOK 4921, PAGE 476 OF THE ST. LOUIS HENCE ALONG SAID WESTERN RIGHT OF WAY LINE. SOUTH 21 DEGREES 13 MINUTES 29 SECONDS O A POINT OI DEGREES 59 MINUTES 04 SECONDS WEST, 279.69 FEET TO THE NORTHWEST CORNER THEREOF. THENCE ALONG THE NORTHERN LINE OF SAID SOCONY MOBIL OIL COMPANY TRACT, NORTH 71 DEGREES 08 MINUTES 29 SECONDS EAST, 276.88 FEET TO THE POINT OF BEGINNING, CONTAINING 76,050 SQUARE FEET.

ARCH ENERGY, LCA	, the owner(s) of the property shown on this plan for and in
[Name of Owner(s)]	

consideration of being granted approval of said plan to develop property under the provisions of Section 03-04, PC -PLANNED COMMERCIAL of City of Chesterfield Unified Development (applicable subsection) (present zoning)

Code, 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 City of Chesterfield, or voided or vacated by order of ordinance of the City of Chesterfield Council.

(Name Typed):

State of

County of

On this \_\_\_\_\_ dav (

, A.D., 20\_\_\_\_, before me personally appeared

, to me known, who, being by me sworn in, did say (Officer of Corporation) that he/she is the \_ (Name of Corporation) (Tille)

, and that the seal affixed to the foregoing instruments corporation in the State of \_ is the corporate seal of said corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and the said\_ (Officer of Corporation) acknowledged said instrument to be the free act and deed of said corporation.

In Testimony Whereof, I have hereunto set my hand and affixed my Notarial Seal at my Office in

, the day and year last above written.

(County and State)

My term expires \_

(Notary Public)

This Site Development Plan was approved by the City of Chesterfield Planning Commission and duly verified on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_, by the Chairperson of said Commission, authorizing the recording of this Site Development Plan pursuant to Chesterfield Ordinance Number 200, as attested to by the Director of Planning and Development Services and the City Clerk.

Justin Wyse, AICP Director of Planning and Development Services City of Chesterfield, Missouri

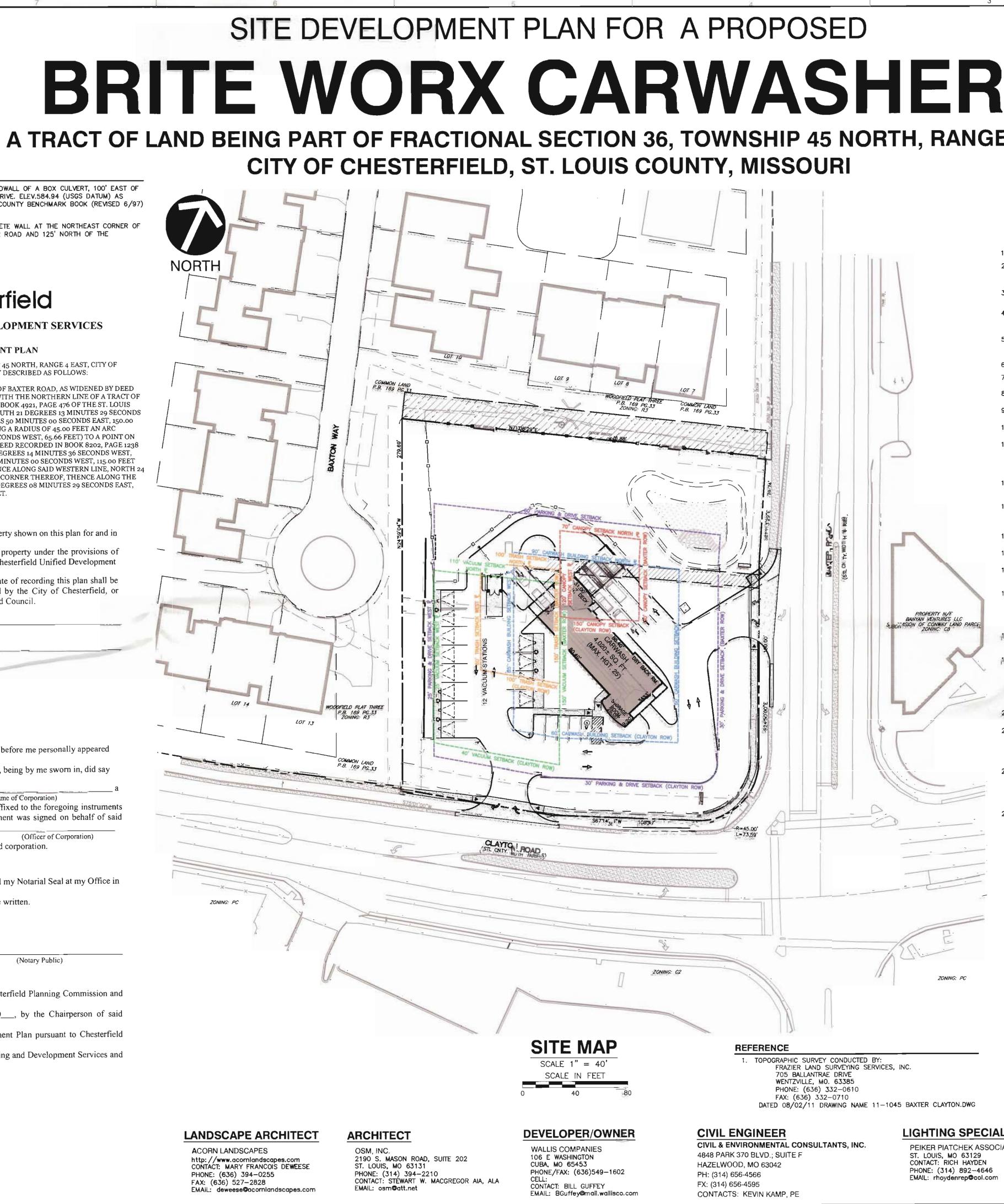
Vickie Hass, City Clerk City of Chesterfield, Missouri

# LANDSCAPE ARCHITECT

ZONING: PO

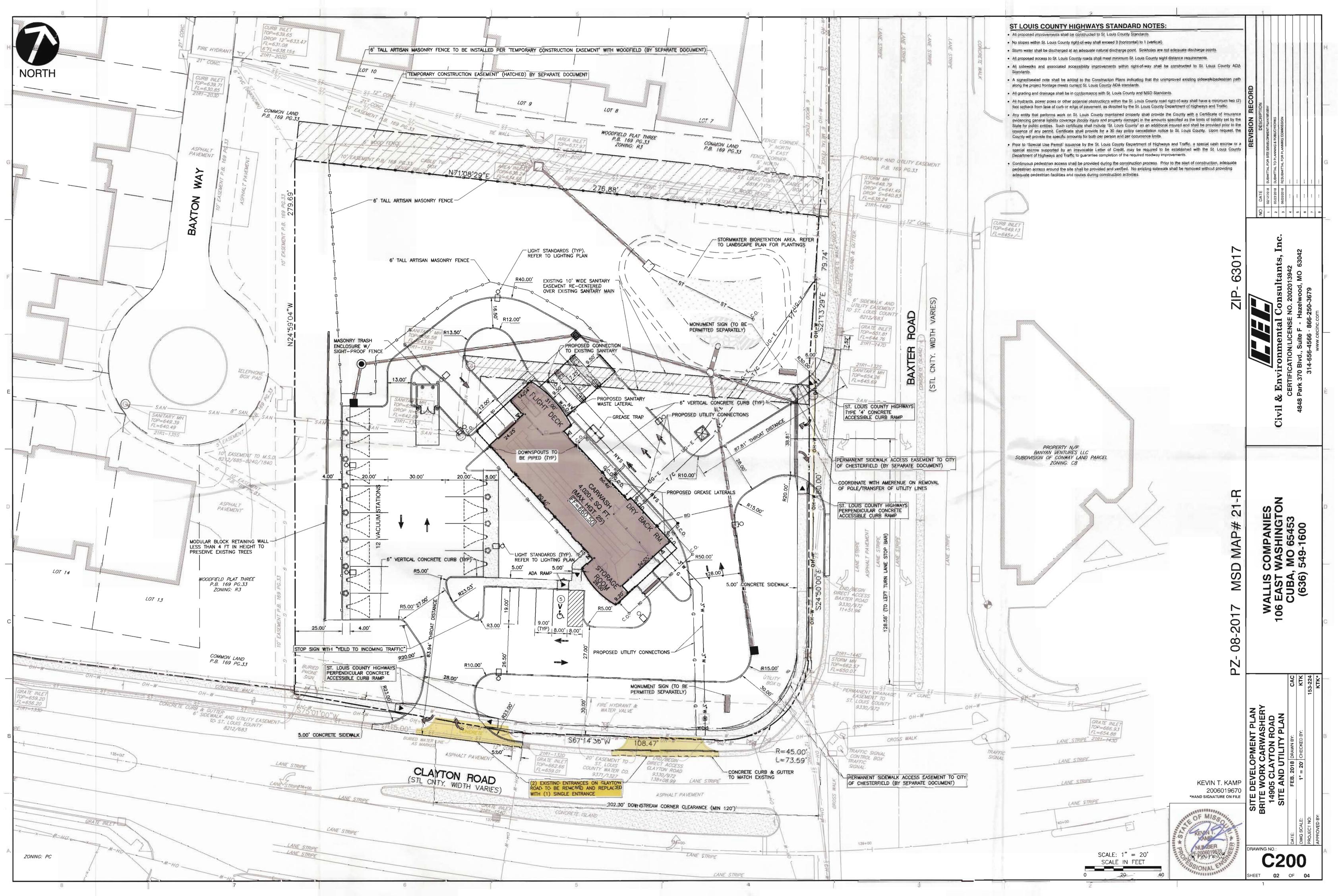
LOT 13

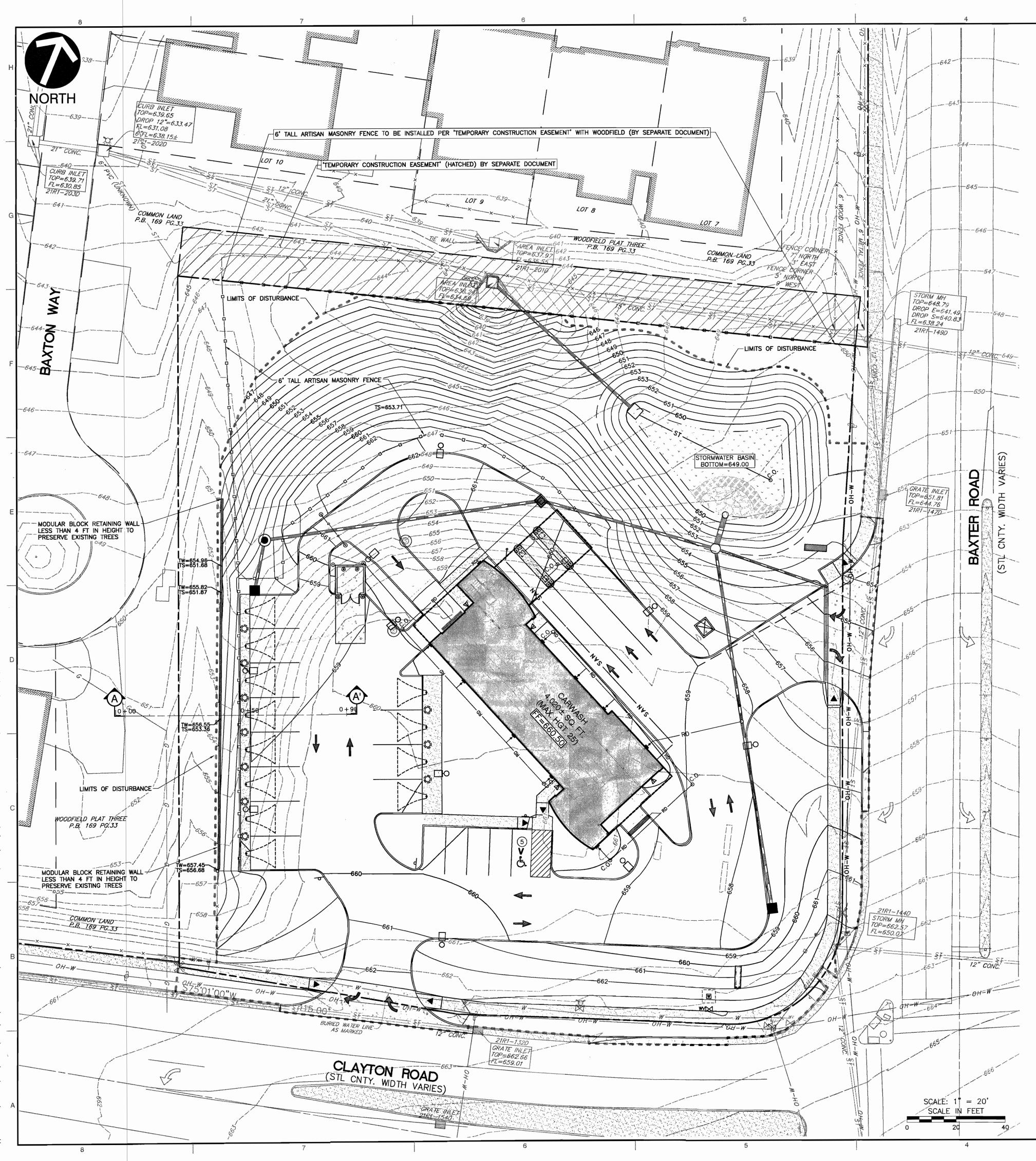
ACORN LANDSCAPES http://www.acomlandscapes.com CONTACT: MARY FRANCOIS DEWEESE PHONE: (636) 394-0255 FAX: (636) 527-2828 EMAIL: deweese@acomlandscapes.com

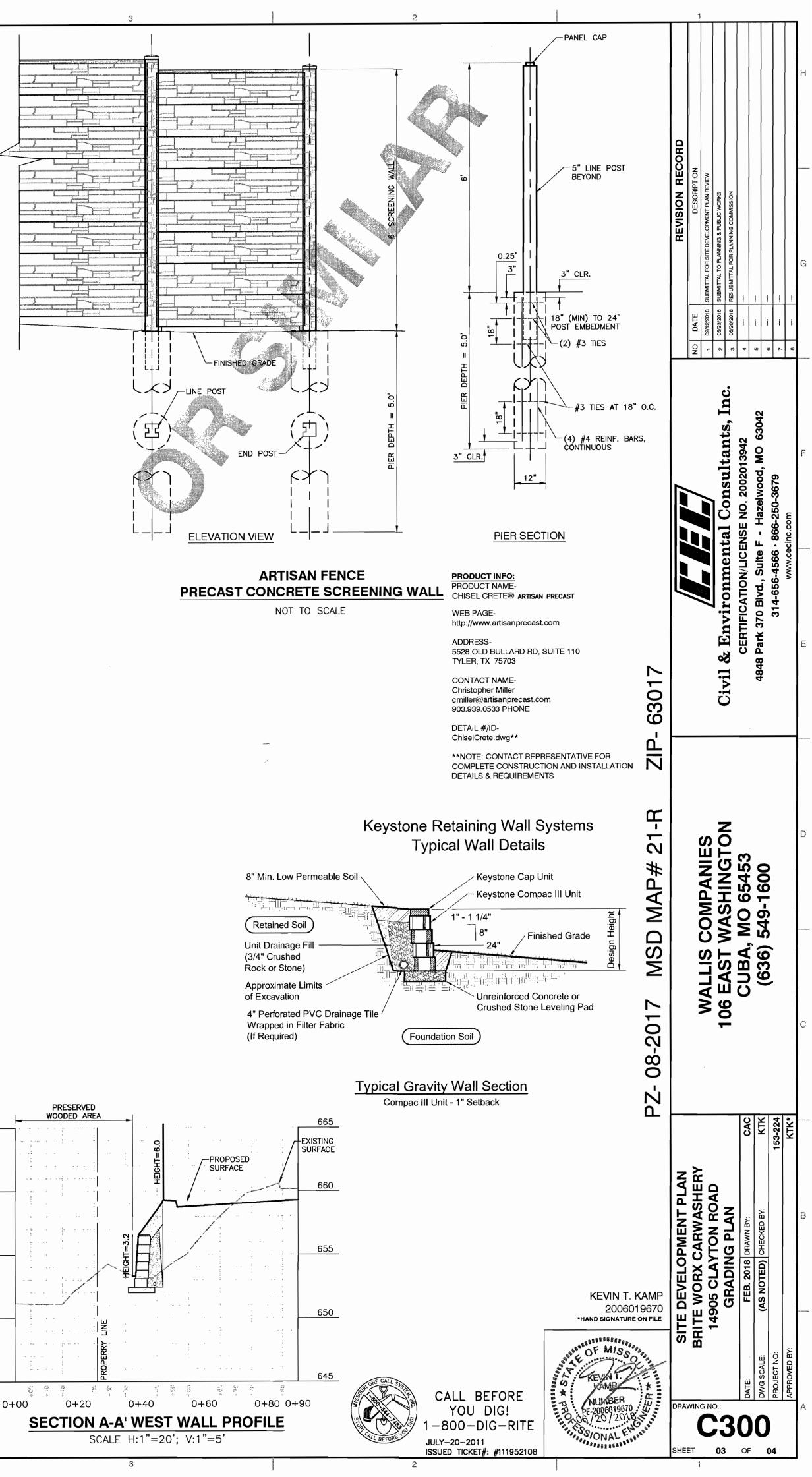


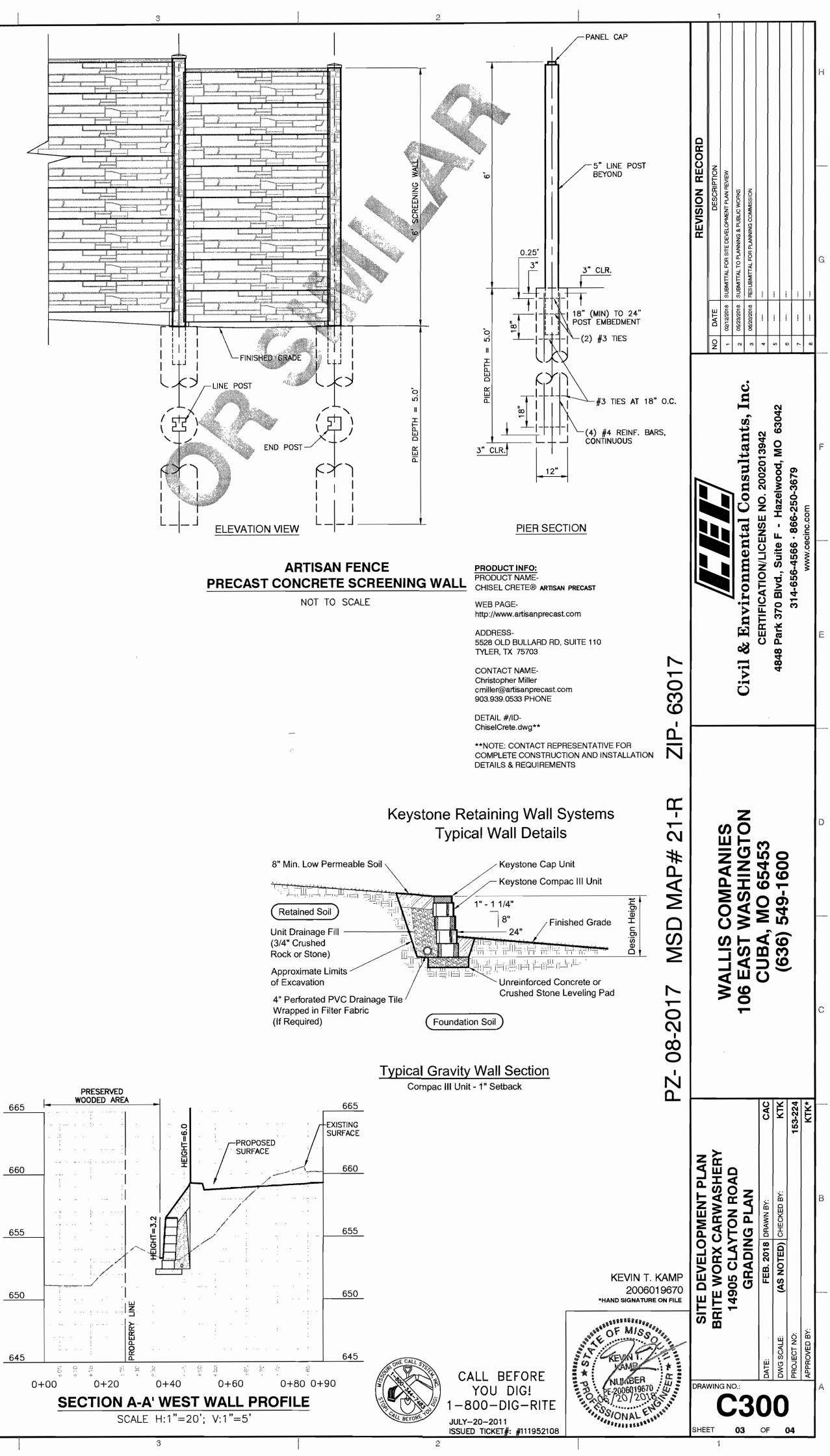
4

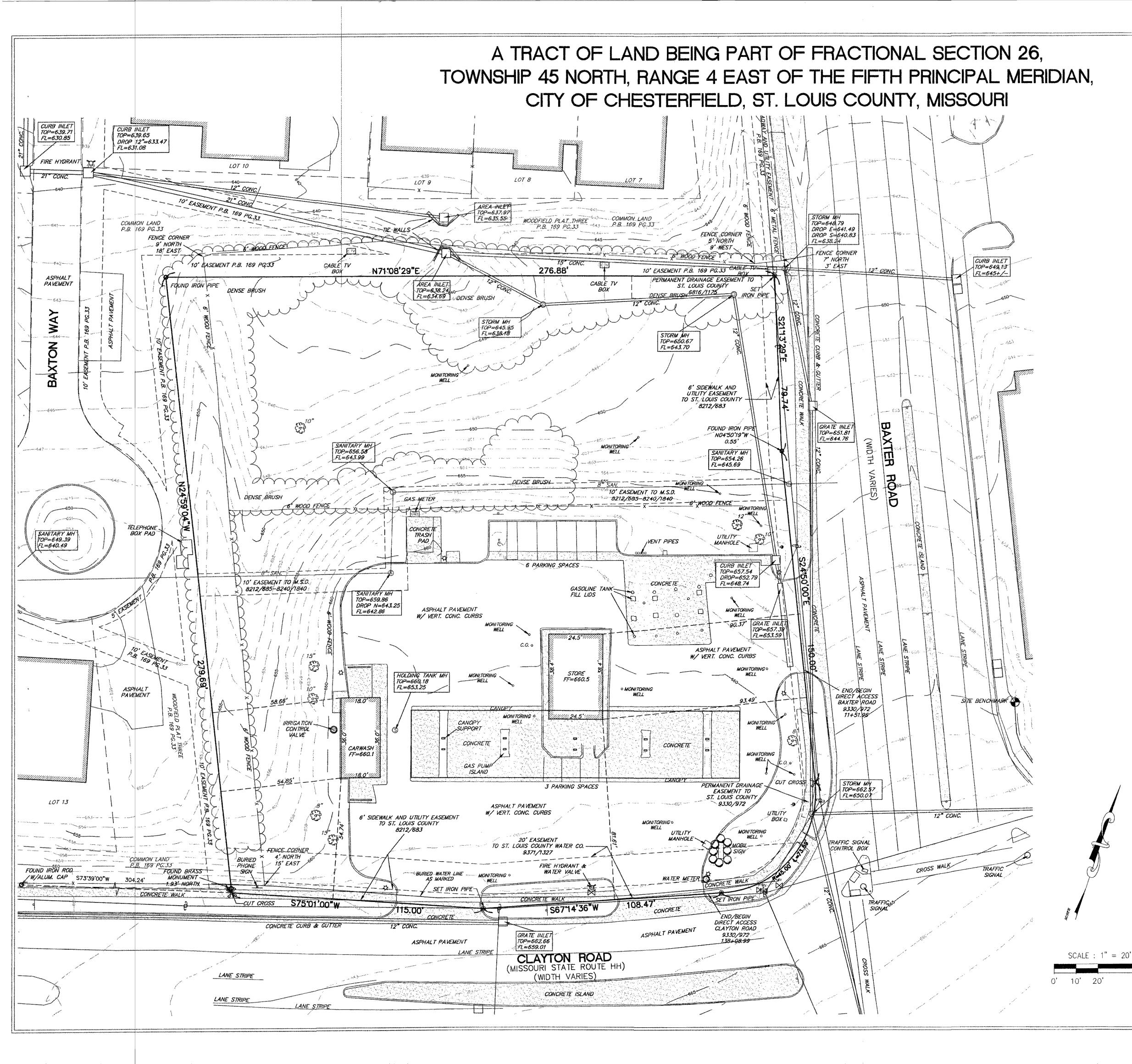
DEVELOPMENT NOTES 1. OVERALL AREA OF TRACT:	FORSHEER DR FORSHEER DR BITE USG U.S.G.S. 7.5 S: 76,050 SQ.FT. (1.746	SITES	Loehr	CLAYTON I GOOD AND CORPORED MISSOURI DATED 2		SUBMITTAL	05/23/2018 SUBMITTAL TO PLANNING & PUBLIC WORKS 06/20/2018 RESUBMITTAL FOR PLANNING COMMISSION 		
NUMBER 29189C0281K, WITH ZONE IS DEFINED AS AN AR 12. FENCING PROPOSED SHALL MANUFACTURER. 13. VACUUMS SHALL UTILIZE A OPERATIONAL ONLY DURING CANISTER VACUUMS AT INDIX 14. SITE SHALL OBTAIN APPROV/ 15. LANDSCAPING WILL BE REQU 16. ACCESS MANAGEMENT PRINC UNIFIED DEVELOPMENT CODE	P.Z. 08-2017 APPRO CONVENIENCE STORE, SINGLE USE: TUNNEL ARCH ENERGY, LCA 106 E WASHINGTON CUBA, MO 65453 THIS SHEET. 25 FEET JRFACE TRANSFORMER SW GEPARATE PROCESS E LOCATED UNDERGROUND INSURANCE RATE MAP OF H AN EFFECTIVE DATE OF REA DETERMINED TO BE OF REA DETERMINED TO BE OF BE OF CEMENTATIOUS MAR CENTRAL VACUUM SYSTEM BUSINESS HOURS AND P VIDUAL STATIONS WILL BE AL FROM ST. LOUIS METR JIRED TO BE PLANTED ON CIPALS TO BE APPLIED TO E OF THE CITY OF CHEST	63017 0960] RCIAL DISTRICT (CITY OF CHE DVED JAN 17, 2018; ORDINAN , CARWASH & GAS SALES CARWASH (HOURS OPERATION VITCHING PADS SHALL BE SCR D. TST. LOUIS COUNTY, MISSOUR OF FEBRUARY 4, 2015, THIS F DUTSIDE THE 0.2% ANNUAL CH ATERIAL AND A PRODUCT OF A INTERIAL OF THE PROPO INTERICT. IN BOTH SIDES OF THE PROPO INTERICT.	CE #2977/BILL #31 N 7AM-8PM ALL DAY REENED. RI AND INCORPORATE PROPERTY LIES WITHI ANCE FLOOD PLAIN. NRTISAN® PRECAST O N BUILDING. VACUUMS E TURNED OFF DUR SE TURNED OFF DUR	rs) D AREAS, MAP N SFHA ZONE X. R SIMILAR S SHALL BE ING OFF-HOURS. L. 0410 OF THE	21-R ZIP- 63017		Civil & Environmental Consultants, Inc.	Bivd., Suite F - Hazelwood, MO 63042	0-4300 - 000-201-301 www.cecinc.com
CREDIT AGAINST THE PETITIO BE AWARE OF EXTENSIVE DE CONSTITUTE À CAUSE TO AL 18. US SURVEY CORNERS LOCAT DISTURBED DUE TO THE CO 19. NO ONSITE LIGHT STANDARD DIRECTLY ON ADJOINING PRO SHALL NOT EXCEED EIGHT ( DESIGN. THE LIGHT STANDAR AND SHALL BE A BOX DESI REFER TO PHOTOMETRIC PL/ 20. NON-SECURITY LIGHTING SH 21. PARKING CALCULATIONS: SEL STACKING PROVIDED = 3+ PARKING PROVIDED = 3+ PARKING PROVIDED = 17 22. NO OFF-SITE GRADING IS A GRADING IS NECESSARY FOR REQUIRED FOR THE ADJAC REQUIRED FOR THE ADJAC REQUIRED FOR THE OFF-SIT OTHER AMENITIES AS SET FO 23. SITE CALCULATIONS: F.A.R. CALCULATIONS: F.A.R. CALCULATIONS: DENSITY: TOTAL LOT SIZE TOTAL GREEN SF TOTAL PAVEMENT	D RIGHT OF WAY. UTILIT NER'S TRAFFIC GENERATIC ELAYS IN UTILITY COMPAN LOW OCCUPANCY PRIOR TED ON OR NEAR THE DE INSTRUCTION. SHALL EXCEED SIXTEEN OPERTIES AND/OR PUBLIC (8) FEET IN HEIGHT, SHAL RD AT THE ENTRANCE ON GN (PER ORDINANCE). LIC AN(S). HALL NOT BE ON 30 MINU LF-SERVICE DRIVE THRU/ S @ 1 SPACE PER VACUL SPACES SPACES INCLUSIVE OF 1 INTICIPATED FOR THE PRO R THE COMPLETION OF THE ENT PROPERTY OWNER. IN TE CONSTRUCTION OF THE ORTH IN THAT AGREEMENT	Y RELOCATION COST SHALL N ON ASSESSMENT CONTRIBUTION Y RELOCATION AND ADJUSTME TO COMPLETION OF ROAD IMP EVELOPMENT SITE MUST PROTE (16) FEET IN HEIGHT NOR BI C ROADWAYS. LIGHT STANDARD L BE DIRECTED TOWARD THE CLAYTON ROAD SHALL NOT E GHTING SHALL BE AS APPROVI JTES PRIOR TO OPENING OR F AUTOMATED CARWASH @ 1 SF JM. ADA VAN-ACCESSIBLE SPACE OPOSED DEVELOPMENT OF THE HE PROJECT, A TEMPORARY SL IOTE: A TEMPORARY SLOPE CO E CEMENTATIOUS FENCE, DEMO T.	INT. BE CONSIDERED NS. THE DEVELOPER NTS. SUCH DELAYS PROVEMENTS. ECTED AND SHALL BI E SO SITUATED THAT S NORTH AND WEST BUILDING, AND SHAL EXCEED SIXTEEN (16) ED BY THE CITY OF PAST CLOSING. PACE IN BAY PLUS 3 & 12 VACUUM STAT BRITEWORX PROJEC LOPE CONSTRUCTION DNSTRUCTION LICENS	AS AN ALLOWABLE SHOULD ALSO WILL NOT E RESTORED IF LIGHT IS CAST OF THE BUILDING L BE A SHOEBOX FEET IN HEIGHT CHESTERFIELD, ADDITIONAL TONS T. IF OFF-SITE LICENSE WILL BE E WILL BE	-Z- 08-2017 MSD MAP#	WALLIS COMPANIES	106 EAST WASHINGTON CUBA, MO 65453	(636)	
DEVELOPMENT PROPOSED GEOTECHNIKAL STUD DAT	HAS PROVIDED OF TRANSTIGATION 125 CON FINDINGS INDICATE THAT PIRSUAN'T TO THE GEOT 2018 TIMOTHY I BARRETT 5/22/18 NUMBER PE-2011015698	IPI ANCE GEOTECHNICAL SEMICES FOR VDUCTED DURING THE EARTH-RELATED ASSECT ECHNICAL RECOMMENDATIONS DATE DATE NECEIVED JUL - 2 2018 LIST TODE OF Public Service TITLE	SET FORTH IN OUR	ALL BEFORE YOU DIG! 300-DIG-RIT -20-2011 D TICKET#: #111952 KEVIN T. KAN 20060196 *HAND SIGNATURE ON F	108 1P 70	SITE DEVELOPMENT PLAN BRITE WORX CARWASHERY	FEB. 2018 DRAWN BY: CAC	1" = 30' CHECKED BY:	D BY: KTK*
	NO.         NO.           01         C000           02         C200           03         C300           04         C400	COVER SITE AND UTILITY PLAN GRADING PLAN SURVEY	A S * DULL	NUMBER DE 2006018670 SSIONAL ENGINE	Press			0	

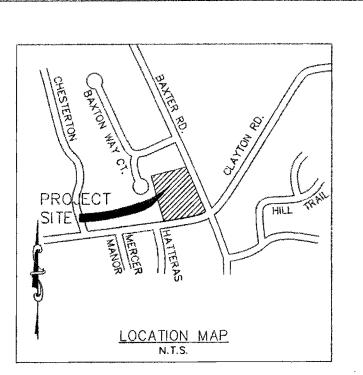












GENERAL NOTES:

RECORDS.

- 1. BASIS OF BEARINGS FOR THIS SURVEY WAS ADOPTED FROM THE DEED RECORDED IN BOOK 10024, PAGE 199, TRACT 12, OF THE ST. LOUIS COUNTY RECORDS.
- 2. THIS PROPERTY IS CURRENTLY VESTED IN THE NAME OF THE ARCH ENERGY, LC ACCORDING TO THE DEED RECORDED IN BOOK 10024, PAGE 199 OF THE ST. LOUIS COUNTY RECORDS.
- 3. ALL TIES ARE PERPENDICULAR TO THE PROPERTY LINES UNLESS OTHERWISE NOTED.
- 4. ACCORDING TO THE FLOOD INSURANCE RATE MAP OF ST. LOUIS COUNTY, MISSOURI AND INCORPORATED AREAS, MAP NUMBER 29189C0256H, WITH AN EFFECTIVE DATE OF AUGUST 2, 1995, THIS PROPERTY LIES WITHIN SFHA ZONE X. ZONE IS DEFINED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.
- 5. UTILITY LOCATIONS BASED ON FIELD MARKINGS BY MISSOURI ONE CALL, TICKET #111952108, AND ABOVE GROUND OBSERVED EVIDENCE. ALL LOCATIONS SHOULD BE CONSIDERED APPROXIMATE ONLY, OTHERS MAY EXIST AND SHOULD BE VERIFIED BEFORE ANY CONSTRUCTION BEGINS.
- 6. A CURRENT TITLE COMMITMENT WAS NOT FURNISHED FOR THE EXECUTION OF THE SURVEY. THEREFORE THIS PLAT IS SUBJECT TO ALL THE CONDITIONS AND EXCEPTIONS THAT A CURRENT TITLE COMMITMENT MAY REVEAL, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:
- A. EASEMENTS OF RECORD. B. EASEMENTS OR CLAIMS OF EASEMENTS NOT REVEALED IN THE PUBLIC
- C. RIGHTS OR CLAIMS OF RIGHTS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORD, IF ANY.
  D. DEFECTS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY. THIS SURVEY IS ALSO SUBJECT TO ANY CONVEYANCES OR TAKINGS, NOT REVEALED BY THE COUNTY ASSESSOR'S OFFICE, RIGHTS OF WAY, SETBACK LINES, COVENANTS, RESTRICTIONS AND ZONING ORDINANCES.
- 7. PROJECT BENCHMARK: "L" ON THE SOUTHWEST CORNER OF THE SOUTH HEADWALL OF A BOX CULVERT, 100' EAST OF THE CENTER LINE OF BAXTER ROAD AND 31' SOUTH OF MANOR KNOLL DRIVE. ELEV.584.94 (USGS DATUM) AS PUBLISHED IN THE METROPOLITAN ST. LOUIS SEWER DISTRICT ST. LOUIS COUNTY BENCHMARK BOOK (REVISED 6/97) BM4 12-89.

SITE BENCHMARK: "L" ON THE WEST CORNER AT NORTH END OF 10" CONCRETE WALL AT THE NORTHEAST CORNER OF BAXTER AND CLAYTON ROADS. 45' EAST OF THE CENTERLINE OF BAXTER ROAD AND 125' NORTH OF THE CENTERLINE OF CLAYTON ROAD. ELEV.=661.29

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

BEGINNING AT THE INTERSECTION OF THE WESTERN RIGHT OF WAY LINE OF BAXTER ROAD, AS WIDENED BY DEED RECORDED IN BOOK 8202, PAGE 1238 OF THE ST. LOUIS COUNTY RECORDS WITH THE NORTHERN LINE OF A TRACT OF LAND CONVEYED TO SOCONY MOBIL OIL COMPANY, BY DEED RECORDED IN BOOK 4921, PAGE 476 OF THE ST. LOUIS COUNTY RECORDS; THENCE ALONG SAID WESTERN RIGHT OF WAY LINE, SOUTH 21 DEGREES 13 MINUTES 29 SECONDS EAST, 79.74 FEET TO AN ANGLE POINT THEREIN; THENCE SOUTH 24 DEGREES 50 MINUTES OD SECONDS EAST, 150.00 FEET TO A POINT OF CURVE; THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 45.00 FEET AN ARC DISTANCE OF 73.59 FEET (CHORD OF SOUTH 22 DEGREES 02 MINUTES 01 SECONDS WEST, 65.66 FEET) TO A POINT ON THE NORTHERN RIGHT OF WAY LINE OF CLAYTON ROAD, AS WIDENED BY DEED RECORDED IN BOOK 8202, PAGE 1238 AS AFOREMENTIONED; THENCE ALONG SAID NORTHERN LINE, SOUTH 67 DEGREES 14 MINUTES 36 SECONDS WEST, 108.47 FEET TO AN ANGLE POINT THEREIN; THENCE SOUTH 75 DEGREES 01 MINUTES 00 SECONDS WEST, 115.00 FEET TO THE WESTERN LINE OF SAID SOCONY MOBIL OIL COMPANY TRACT; THENCE ALONG SAID WESTERN LINE, NORTH 24 DEGREES 59 MINUTES 04 SECONDS WEST, 279.69 FEET TO THE NORTHWEST CORNER THEREOF, THENCE ALONG THE NORTHERN LINE OF SAID SOCONY MOBIL OIL COMPANY TRACT, NORTH 71 DEGREES 08 MINUTES 29 SECONDS EAST, 276.88 FEET TO THE POINT OF BEGINNING, CONTAINING 76,050 SQUARE FEET.

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT WE HAVE, DURING THE MONTH OF AUGUST 2011, BY THE ORDER OF CIVIL & ENVIRONMENTAL CONSULTANTS, INC EXECUTED A PROPERTY BOUNDARY AND TOPOGRAPHIC SURVEY ON A TRACT OF LAND BEING PART OF FRACTIONAL SECTION 26, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE FIFTH PRINCIPAL MERIDIAN, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI. THIS SURVEY WAS EXECUTED IN ACCORDANCE WITH THE CURRENT MISSOURI MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS FOR URBAN PROPERT.

DENNIS C. FRAZIER NUMBER L\$-2002000247, 82 CA 7LAN DENNIS C FRAZIER LAND SURVEYING SERVICES, INC. MISSOURI PROFESSIONAL LAND SURVEYOR #2002000247

	PREPARED FOR: CIVIL & ENVIRONMENTAL CONSULTANTS, INC. 4848 PARK 370 BLVD., HAZELWOOD, MO. 63042		DATE: 08/02/11 SCALE: 1"=20' PROJECT NO: 11-1045 FILE NAME: 11-1045.DWG	PROPERTY BOUNDARY AND TOPOGRAPHIC SURVEY	C
40'	DRAWING NO.: <b>C400</b> SHEET 04 OF 04	REV-1: REV-2: REV-3: REV-4:		FRAZIER LAND SURVEYING SERVICES, INC. 705 BALLANTRAE DRIVE WENTZVILLE, MO. 63385 PHONE: 636-332-0610 FAX: 636-332-0710	1 OF 1

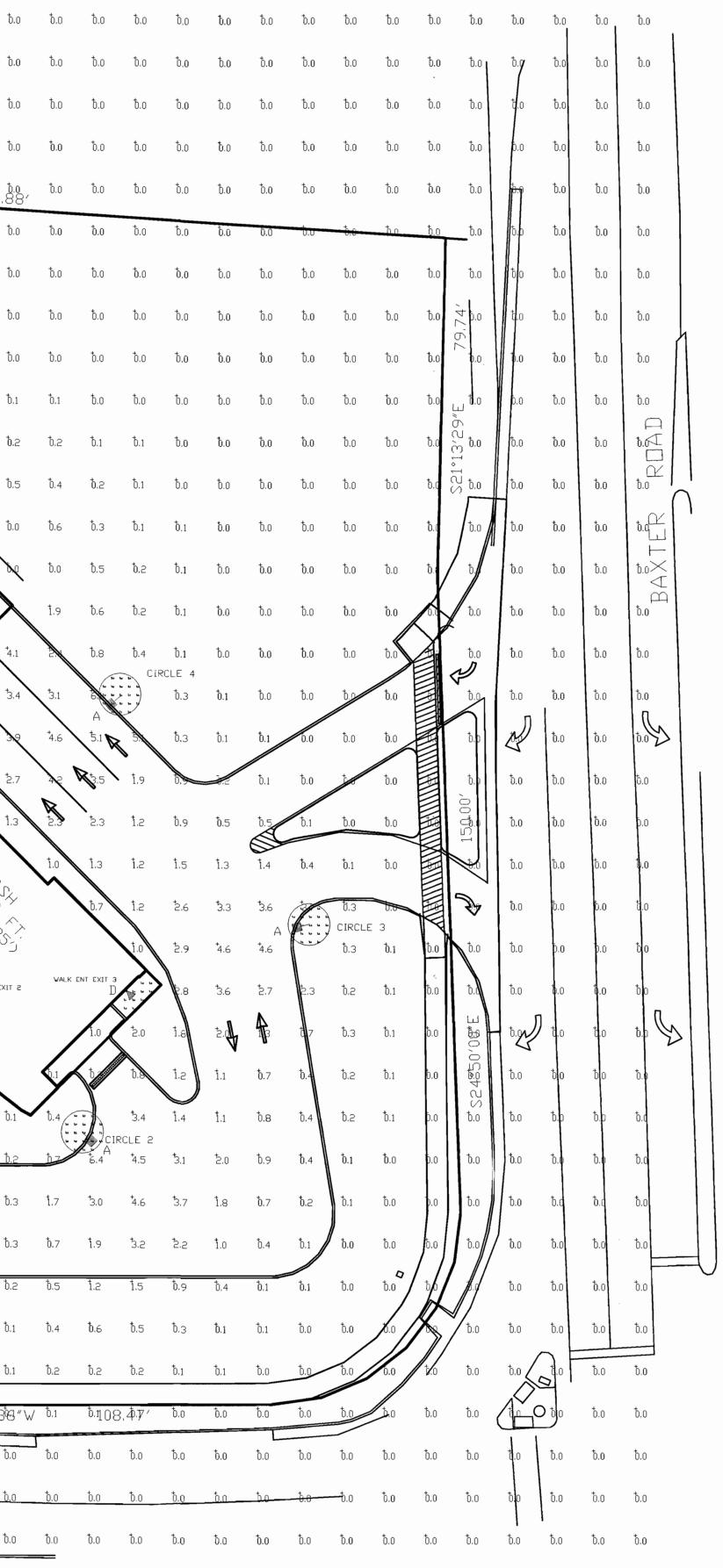


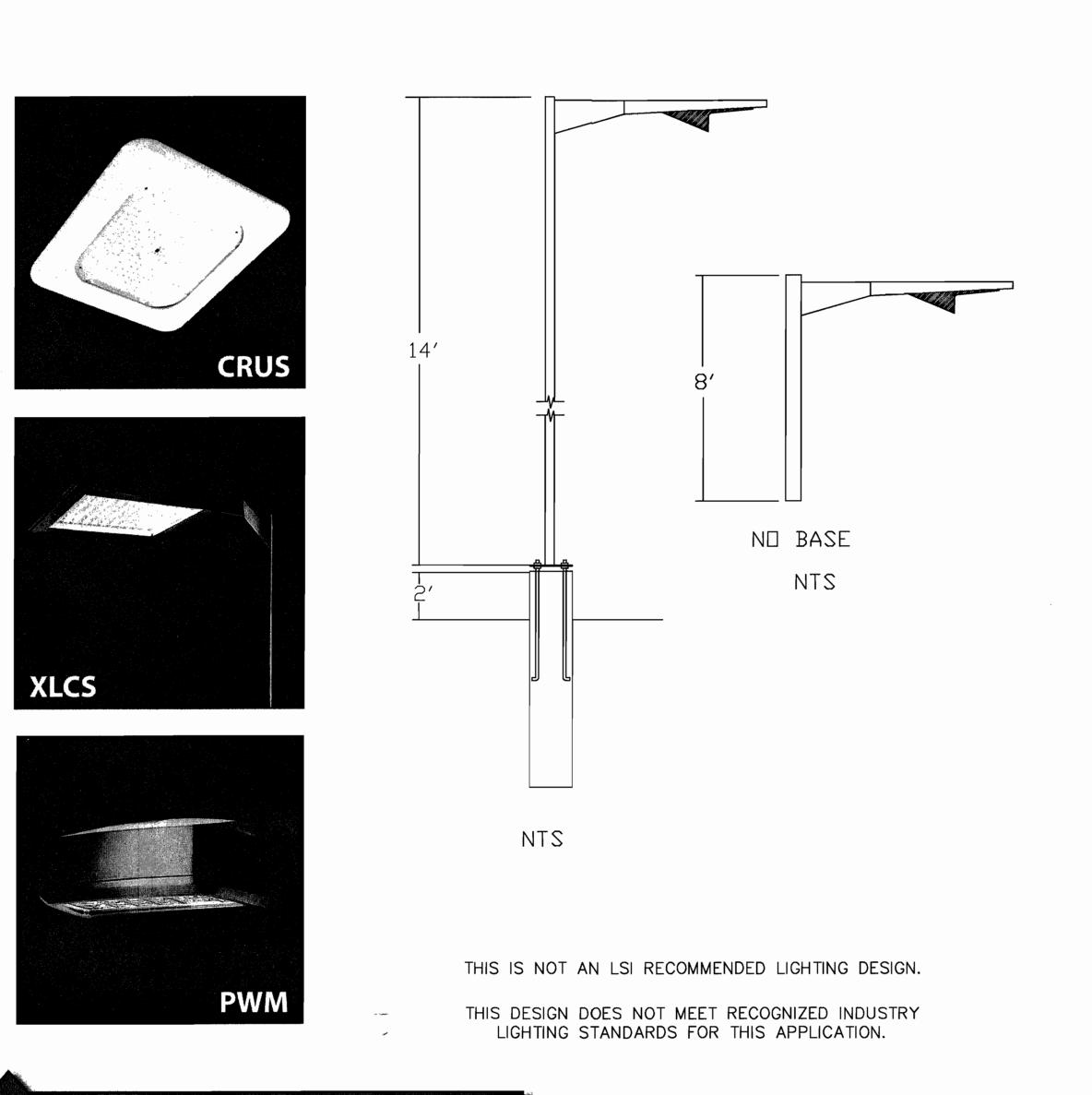
	Ō.0	<b>.</b> 0	<sup>†</sup> 0.0	<b>b.</b> 0	Ō.0	Ō.0	<sup>†</sup> 0.0	<sup>†</sup> 0.0	ð.0	ð.0	ð.o	Ō.0	<b>ð</b> .0	ħ.0	<b>ð</b> .0	ð.0	Ō.0	<b>Ъ</b> .о	ħ.o
	<sup>†</sup> 0.0	<sup>†</sup> 0.0	ħ.o	<sup>†</sup> 0.0	<sup>†</sup> 0.0	ţ.0	<sup>†</sup> 0.0	<sup>†</sup> 0.0	ð.0	<b>0</b> .0	<sup>†</sup> 0.0	ð.0	0.0	ħ.o	Ō.0	Ō.0	ð.0	ð.o	Ō.0
	Ō.0	ð.o	Ō.0	b.o	Ō.0	Ō.0	Ō.0	Ō.0	ð.0	Ѣ.о	₽.0	Ō.0	<b>†</b> .0	ð.o	<sup>†</sup> 0.0	<sup>†</sup> 0.0	<b>b</b> .0	<sup>†</sup> 0.0	<sup>†</sup> 0.0
	Ō.0	Ō.0	Ъ.0	ō.o	Ō.0	Ō.0	<b>b</b> .o	<b>0</b> .0	Ō.0	<b>†</b> .0	ð.0	ð.o	ō.o	ħ.o	<b>ð</b> .0	<b>t</b> .0	<b>b</b> .0	Ѣ.о	Ō.0
	ō.0	Ō.0	Ō.0	ħ.o	ħ.o	Ō.0	ħ.o	ð.0	D.0	N71°	08,53	9″Ę.	<u>ħ.n</u>	ð.0	ð.o	ħ.0	Ō.0	<sup>₺</sup> . <u>2</u> 76	0.đ
	ð.o Č	、	<sup>†</sup> 0.0	ð.o	<sup>†</sup> 0.0	<sup>†</sup> 0.0	<b>†</b> 0.0	Ō.0	Ō.0	<b>.</b> 0	ħ.0	ð.0	ħ.o	ð.o	ð.0	<b>ð</b> .0	Ō.0	<b>b</b> .o	ħ.o
	0 1 0.0	か へい も.o	<sup>†</sup> 0.0	ð.o	<b>†</b> 0.0	ħ.0	ħ.o	ð.o	ð.0	ō.o	ħ.o	Ō.0	ъ.о	ð.o	ð.o	Ō.0	ħ.o	Ō.0	<sup>†</sup> 0.0
	Ō.0	ō.o	<sup>†</sup> 0.0	ð.0	Ō.0	Ō.0	Ō.0	ō.0	ð.o	Ѣ.о	ð.0	ō.o	Ѣ.о	Ō.0	ħ.0	ð.0	ð.o	Ъ.0	ħ.o
	Ō.0	þ.o	Ѣ.о	Ъ.о	ð.0	ħ.o	Ō.0	<sup>†</sup> 0.0	<b>ð</b> .0	Ъ.о	ħ.0	ō.0	ъ.о	Ō.0	ħ.o	ð.0	ð.0	ð.1	Ō.0
	<sup>†</sup> 0.0	0.0	<sup>†</sup> 0.0	<b>b</b> .o	<sup>†</sup> 0.0	Ъ.о	<b>Ъ</b> .о	ħ.o	<b>b</b> .o	Ъ.о	<b>ð</b> .o	ō.o		0.0 LE 5	<sup>†</sup> 0.0	<sup>†</sup> 0.0	Ō.1	<b>Ö</b> .1	ħ.1
	ð.0	<b>t</b> .0	<b>b</b> .0	ð.0	ħ.o	<b>т</b> .о	<sup>†</sup> 0.0	<b>т</b> .о	ħ.o	ð.0	0.0	1.4		<sup>†</sup> 0.4	-to.0	Ō.0	<b>†</b> .0	Ъ.2	ð.2
	Ъ.о	to	ð.o	Ō.0	ð.0	b.o	ð.0	<b>Ъ</b> .о	ħ.0	Ð.1	ð.5	<sup>+</sup> 3.0	B 4.7	Ť.0	ţ.4	Ď.6		<sup>†</sup> 0.0	ð.5
	ō.0	δo	<b>†</b> .0	Ō.0	ð.0	Ō.0	ð.0	ħø		Ō.4	ð.5	1.1	1.4	1.0	t.9	1.6	Ì	N	<b>0</b> .0
	ħ.o	14.04W	ō.0	<sup>†</sup> 0.0	<sup>†</sup> 0.0	ō.o	ħ.0	7.0	Ō.1	1.2	14	<b>.</b> 4	Ъ.4	t <sub>0.7</sub>	1.7	4.3	15.1	· 🐉	Ja
	ð.o	,0,6tg,	<b>ð</b> .0	Ō.0	<b>ð</b> .0	Ъ.о	ð.o	ð.o	0.1	<sup>3.1</sup> B	<b>*</b> 4.9	1.3	<b>0</b> .3	ţ.0	<b>X</b> <sup>3,2</sup>		16.0 200 20.00 21.0	19.1 14.1 1.9	
	<b>.</b> 0	4U24	<b>0</b> .0	Ō.0	<b>ð</b> .o	<b>.</b> 0	<b>b.</b> 0	Ф.О	ð.0		1.8	ð.	<u>ð.5</u>	ţ	V	13.1 18 13.1 197.2			4.1
	<b>ð</b> .o	<del>.</del> 0	ð.o	Ō.0	ħ.o	<u>_ħ1</u>		<b>b</b> .o	0.0	RCLE 6	$\wedge$	ð.2				12.3	ÌL4 66	- St	<sup>+</sup> 3,4
	<sup>†</sup> 0.0	<b>ð</b> .o	<b>.</b> 0	<sup>†</sup> 0.0 8″	0.2 AN		ð.2	<b>b</b> .o	p.5	X	1	>		WALK ENT		ENT EXIT		<sup>3.3</sup>	30
	ō.0	<b>ð.</b> o	ō.0	Ō.0	0 <sup>1.3</sup> G	E1.8	<sup>†</sup> .5	<b>.</b> 1	ħ.7	<sup>+</sup> 4.1 B		ð.2				1		<sup>1.8</sup>	<sup>‡</sup> 2.7
	<b>†</b> .0	ō.o	<sup>†</sup> 0.0	ð.1	B	4.9	1 <sup>b.7</sup>	<b>.</b> 2	ð.6	b.9	0.6	ð.1	t.d					$\backslash$	1.з
	<b>ð</b> .0	<b>ъ</b> .о	<sup>†</sup> 0.0	CIRC D.O	ΣΪ 7 ( 1.5 Ο	t2.0	ð.6	<b>.</b> 1	<b>b</b> .1	ð.1			<u>ð.o</u>	ð.0			A.	CAP4	
	ō.0	Ѣ.о	<sup>†</sup> 0.0	Ѣ.о	1	<b>1</b> 5	ð.2	Ď.1	Ō.0	ō.0	ð.r	Ъ.3	₹.1 <sup>E</sup>	ð.0	ţ.0		y		, ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	ð.o	ō.o	Ō.0	Ō.0	0	b.1	1 0.2	₽.₫	Ō.0	<b>A</b> .0	ð.1	1.0	1.2 E	Ō.1	<b>Ö</b> .0	ð.1		Ś	ر رک
	ð.o	Ō.0	<sup>†</sup> 0.0	<b>b</b> .o	<sup>†</sup> 2C	) h5	↓ _ ↓	<b>—</b> ••••••••••••••••••••••••••••••••••••	<b>ð</b> .0	<sup>†</sup> 0.0	<u>.</u>		= 5.0		<b>D</b> .1	<sup>†</sup> 0.2	ð.8	WALK ENT	EXIT 2
	ħ.o	Ō.0	<b>ð</b> .0	<sup>†</sup> 0.0	· ŦĘ B	3,4	1.0	Ō.1	Ō.0	<sup>†</sup> 0.0	<b>b</b> .1			CIRC ð.3	LE 9 D.1	Ō.2	ð.9		
	<b>ð</b> .0	<b>b</b> .o	Ъ.o				1.2	ð.1	<b>Ď</b> .1	<b>D</b> .1	ð.2	1.5		ð.3	Ō.2	<sup>†</sup> 0.2	<sup>†</sup> 0.3		
	<b>t</b> .0	Ō.0	<b>ð</b> .o	ъ.о			<b>1</b> ,6	<b>b</b> .1	<b>b</b> .1	ð.2	ţ	0.7	D.8	ð.8	ħ.?	₫5	<b>0</b> .3	ð.2	Ō.1
	ð.o	Ō.0	ð.o	<b>т</b> .о	ð.đ		1.2	ð.1	<b>b</b> .2	<b>b</b> .4	ħ.9	<u>†.</u> 8	2.4	ţ,	1,9	1.p	<b>1</b> .5	2	Ď.2
	<b>b</b> .0	<b>b</b> .o	ð.o	ħ.o	ō.o	<b>b</b> .0	ð.1	ta 1	<sup>†</sup> 0.1	<sup>†</sup> 0.4	ð.9	<sup>+</sup> 2.3	<sup>+</sup> 4.1	<b>*</b> 4.2	<b>*</b> 2.5	1.0	<b>.</b> 4	₩	ђ.з
	Ō.0	<b>Ď</b> .0	ъ.о	<b>t</b> .o	<sup>†</sup> 0.0	Ō.0	Ō.0	τþ	ð.1	ð.2	ð.5	1.7	4.2	<sup>+</sup> 4.6	<sup>‡</sup> 2.0	<b>t</b> .6	ð.2		ђ.з
	<sup>†</sup> 0.0	Ō.0	ð.o	<b>Ъ</b> .о	ð.o	, Ō.0	<b>ð</b> .o	1.0	<b>ъ</b> .о	Ō.1	ð.5	1.a	<u><u> </u></u>		2.1	ð.5	ð.2	Ō.1	ð.2
	<del></del>	<u>ħ.o</u>	ō.o	ō.0	Ō.0	<b>b</b> .0	<sup>†</sup> 0.0	0.0 m	<b>7</b> 0.0	<b>D</b> .0		ð.1	Ъ.З	CIRCL 0.3	E 1 0.1	<b>b</b> .1	ð.0	<b>ð</b> .o	ð.1
	<sup>†</sup> 0.0	<sup>†</sup> 0.0	<sup>0.</sup> \$7	5°01′0	ð.0	0.0	All		77-	ð.0		$\rightarrow$	<u> </u>	<u>ð</u> .o	<b>b</b> .0	<b>b</b> .0	<b>ð</b> .0	Ō.0	Ō.1
-	<sup>†</sup> 0.0	<sup>†</sup> 0.0	ð.o	0.0 0.0	Ū" \/ ð.o	0.0	<del></del>	11 t.0	<del>⊽, 0,9∕</del>	<u></u>	<u></u> .о	ð.o	t0.0	<sup>†</sup> 0.0	0.0	<b>0</b> .0	Ð.0 S	670.1914/(	3†8 ″
-	<b>t</b> .0	0.0	<del></del>	<u>ħ.o</u>	ð.0	ð.o	Ō.0	Ō.0	ð.0	<b>b.0</b>	ō.o	<b>b</b> .0	ō.o	ō.o	<b>b</b> .0	<b>D</b> .0	ð.0	ð.o	Ō.0
	<b>ð</b> .0	<u>†</u> ,0	<sup>†</sup> 0.0	<sup>†</sup> 0.0	<sup>†</sup> 0.0	<sup>†</sup> 0.0	<b>.</b> 0	<sup>†</sup> 0.0	ð.o (	LO.AY	1.9-7	N <sup>t.0</sup>		0.0	<del>- t</del> .o	<del></del>	<u> </u>	<u>_ħ.o</u>	<u>0.0</u>
	<b>b</b> .o	±0.0 √	C 1.0 136	0.0	Ō.0	<u></u>	0.0	( <sup>1</sup> .0	(ST 0.0	L CN	TY, V	VIDTH	KU4 Var	1D IE55)	<b>.</b> 0	ō.o	<b>b</b> .0	<b>ō</b> .0	<b>ð</b> .0

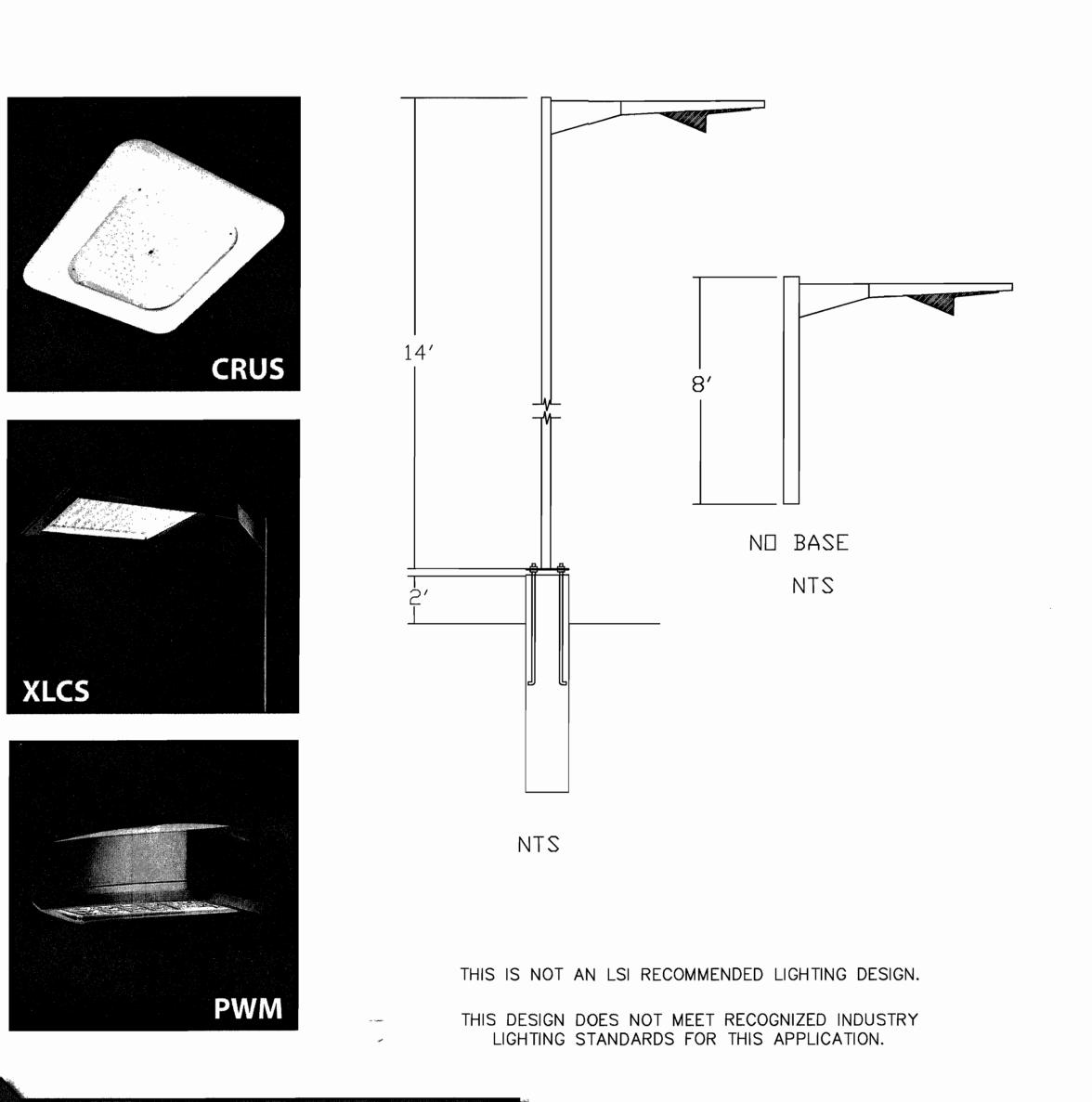
Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

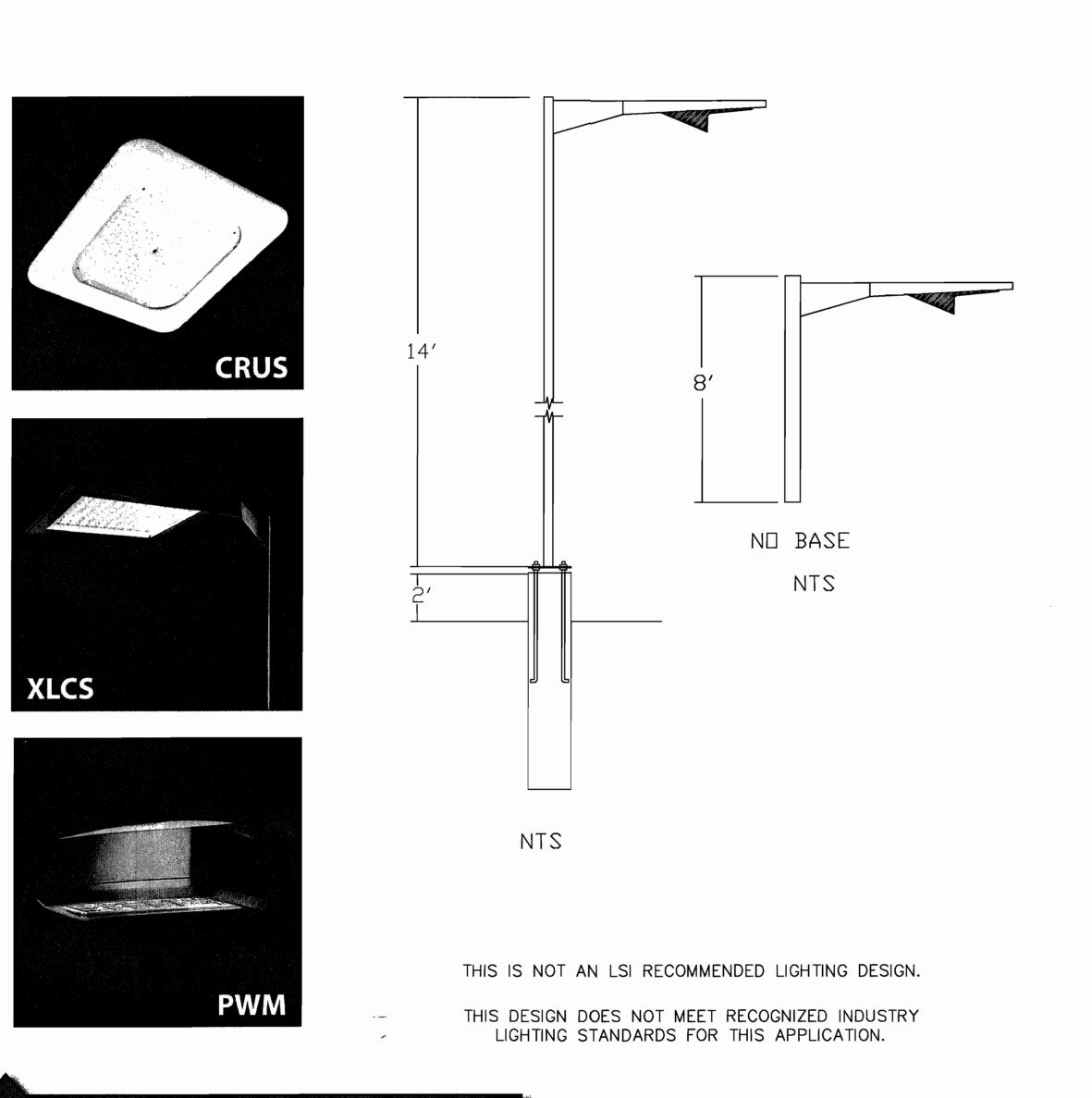
This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

Symbol	Qty	Label	Arrangement	Description	LLF	Arr. Lum. Lumens	Arr. Watte
<b>b</b> .	4	A	SINGLE	XLCS-FT-LED-SS-CW-HSS-SINGLE-14'POLE+2'BASE DIMMED 30%	0.700	9099	95.8
	6	B	SINGLE	XLCS-FT-LED-SS-CW-HSS-SINGLE-8'POLE NO BASE DIMMED 80%	0.200	9099	95.8
	3	С	SINGLE	CRUS-SC-LED-VLW-50 - 14' MH DIMMED 20%	0.800	9055	60.9
Ŕ	4	D	SINGLE	PWM-S-LED-LW-CW MTD @ 10'	1.000	1440	15.1
	12	E	SINGLE	FREE VAC SIGN MTD @ 7'	1.000	53	1.4









Click image to open Product Page

# Photometric data for fixture type "E" is based upon another manufacturer's test and as a result can not be verified by LSI Industries for this calculation.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ALL CALC POINTS AT GRADE	Illuminance	Fc	0.32	6.4	0.0	N.A.	N.A.
CIRCLE 1	Illuminance	Fc	3.98	7.0	0.4	9.95	17.50
CIRCLE 10	Illuminance	Fc	1.44	6.9	0.0	N.A.	N.A.
CIRCLE 2	Illuminance	Fc	3,90	7.2	0.4	9.75	18.00
CIRCLE 3	Illuminance	Fc	3.85	7.2	0.3	12.83	24.00
CIRCLE 4	Illuminance	Fc	3.82	7.3	0.5	7.64	14.60
CIRCLE 5	Illuminance	Fc	3.21	8.0	0.0	N.A.	N.A.
CIRCLE 6	Illuminance	Fc	3.22	8.0	0.3	10.73	26.67
CIRCLE 7	Illuminance	Fc	3.24	8.0	0.3	10.80	26.67
CIRCLE 8	Illuminance	Fc	3.29	7.9	0.3	10.97	26.33
CIRCLE 9	Illuminance	Fc	2.96	7.7	0.3	9.87	25.67
PAY CANOPY	Illuminance	Fc	15.26	21.2	6.6	2.31	3.21
WALK ENT EXIT	Illuminance	Fc	5.56	6.1	4.5	1.24	1.36
WALK ENT EXIT_1	Illuminance	Fc	1.57	5.0	0.2	7.85	25.00
WALK ENT EXIT_2	Illuminance	Fc	3.56	4.9	2.1	1.70	2.33
WALK ENT EXIT_3	Illuminance	Fc	4.38	5.4	3.3	1.33	1.64
PARKING AREA	Ittuminance	Fc	1.95	8.0	0.0	N.A.	N.A.

Total Projec Total Watts			
		IMEE FD. CDICIDENTI, DHID 4524 D 793-3201 + FAX (31) 793-682	
LIGHTING	PROPOSAL	LD-14	1527-4
BRIGHT WORX 14905 CLAYT CHESTERFIEL	ON RD		
BY∶MWE	DATE:2/8/18	REV:6~28-16	SHEET 1 DF 1
SCALE: 1"	=20′	0	20

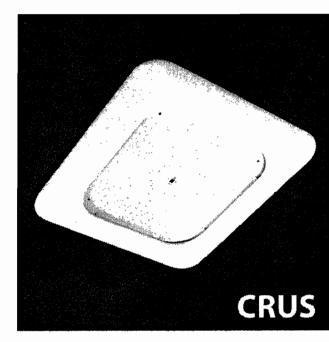


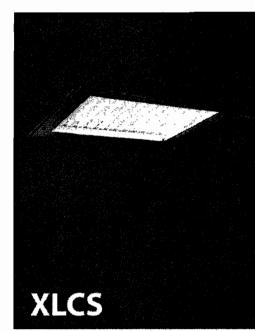
	b.o b.o
	b.o b.o
	ъ.о ъ.о ъ.о ъ.о
N71°08′29″F	b.o b.o
L/0,88	b.o b.o
9.	b.o b.o
	ъ.о <u></u> ъ.о
ت. م ف. ف. ف	b.o b.o
	ъ.о ъ.о
	t.o t.e
	b.0 b.0
b.o	b.o b.o
	t.o t.o×
	t.o t.o
	δ.ο δ.ο
	ъ.о ъ.о <b>П</b>
	b.o b.o
	b.o b.o
	b.o b.o
	b.o <b>b</b> .o
	6.0 <b>t</b> .0
	b.a b.d
	ъ.q ъ.o
b.o	Ъ.0 <b>Ъ.</b> 0
	b.0 b.0
	Ъ.o. Ъ.o
	ъ.o ъ.o
	t.o t.o
b.o <del>b.o b.o b.o b.o b.o b.o b.o b.o b.o b.o </del>	ხ.ი ხ.ი
(STL CNTV IN RUAD	ხ.ი ხ.ი
$b_0$	t.o t.o
136+00	

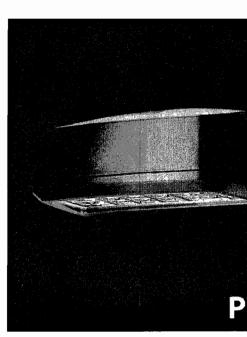
Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other anchitectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

Luminaire Sch	edule						
Symbol	Qty	Label	Arrangement	Description	LLF	Arr. Lum. Lumens	Arr. Watts
	4	Α	SINGLE	XLCS-FT-LED-SS-CW-HSS-SINGLE-14'PDLE+2'BASE DIMMED 30%	0.700	9099	95.8
	6	В	SINGLE	XLCS-FT-LED-SS-CW-HSS-SINGLE-8'POLE NO BASE DIMMED 80%	0.200	9099	95.8
	3	C	SINGLE	CRUS-SC-LED-VLW-50 - 14' MH	1.000	9055	60.9
	4	D	SINGLE	PWM-S-LED-LW-CW MTD @ 10'	1.000	1440	15.1
	12	E	SINGLE	FREE VAC SIGN MTD @ 7'	1.000	53	1.4







# Click image to open

Calculation Summary	
Label	СаісТуре
ALL CALC POINTS AT GRADE	Illuminance
CIRCLE 1	Illuminance
CIRCLE 10	Illuminance
CIRCLE 2	Illuminance
CIRCLE 3	Illuminance
CIRCLE 4	Illuminance
CIRCLE 5	Illuminance
CIRCLE 6	Illuminance
CIRCLE 7	Illuminance
CIRCLE 8	Illuminance
CIRCLE 9	Illuminance
PAY CANDPY	Illuminance
WALK ENT EXIT	Illuminance
WALK ENT EXIT_1	Illuminance
WALK ENT EXIT_2	Illuminance
WALK ENT EXIT_3	Illuminance
PARKING AREA	Illuminance

NIGHT SECURITY LIGHTING			
	NIGHT	SECURITY	LIGHTING

	1000	ALLIANCE RB CINCIPANT, DHID 45242 (513) 793-3200 • FAX (512) 793-6023	USA
BRIGHT \ 14905 CL	IG PROPOSA /ORX SECURIT AYTON RD TIELD, MO		527-4A
BY:MWE	DATE:2/8/18	REV:6~28-18	SHEET DF 1
SCALE	1″=20′	0	2

1 COLUMNOT IC		. 0.00	0.0	0.0	TATE OF	1.1.1.1.1	
Illuminana	ie Fo	. 0.00	0.0	0.0		N.A.	
Illuminanc	re Fo	0.08	0.1	0.0	N.A.	N.A.	
Illuminano	ie Fo	0.00	0.0	0.0	N.A.	N.A.	
Illuminanc	ie Fo	0.00	0.0	0.0	N.A.	N.A.	
Illuminanc	ie Fo	0.00	0.0	0.0	N.A.	N.A.	
Illuminana	ie Fo	3.28	3 7.9	0.3	10.93	26.33	
Illuminanc	ie Fo	0.00	0.0	0.0	N.A.	N.A.	
Illuminanc	re Fo	7.33	3 14.6	1.7	4.31	8.59	
Illuminanc	ie Fo	4.26	5.3	3.2	1.33	1.66	
Illuminanc	ie Fo	1.55	5.0	0.2	7.75	25.00	
Illuminanc	re Fo	3.56	4.9	2.1	1.70	2.33	
Illuminanc	ie Fo	3.63	4.8	2.0	1.82	2.40	
Illuminanc	re Fo	0.28	7.9	0.0	N.A.	N.A.	

Max

5.5

0.0

0.0

0.0

10 - 10 and a second se
State and a state of the
a strain marker of the
S (S conserved and a second se
State of Lot of

Units

Fc

FC

Fc

Fc

Avg

0.04

0.00

0.00

0.00



NTS THIS IS NOT AN LSI RECOMMENDED LIGHTING DESIGN. THIS DESIGN DOES NOT MEET RECOGNIZED INDUSTRY

LIGHTING STANDARDS FOR THIS APPLICATION.

Min

0.0

0.0

0.0

0.0

Avg/Min

N.A.

N.A.

N.A.

N.A.

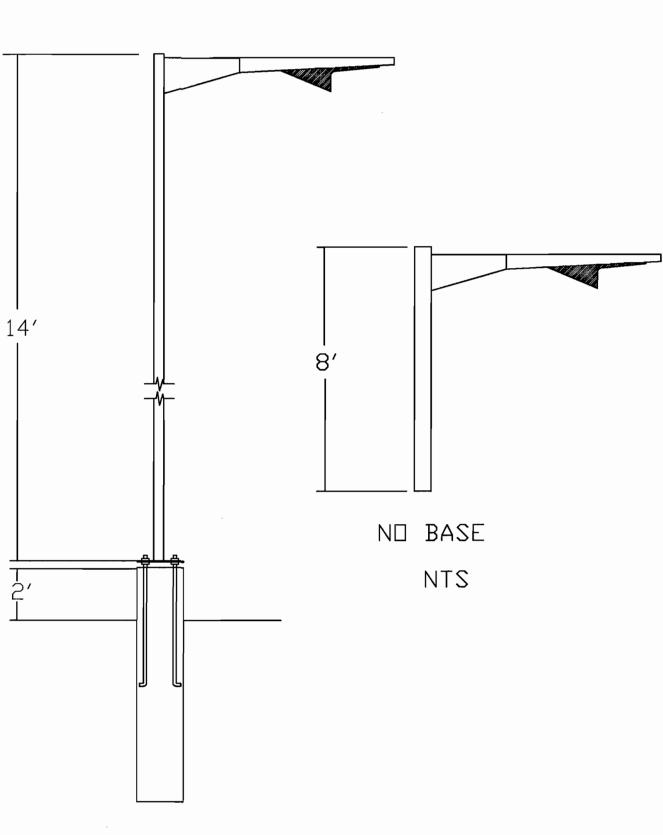
Ma×/Min

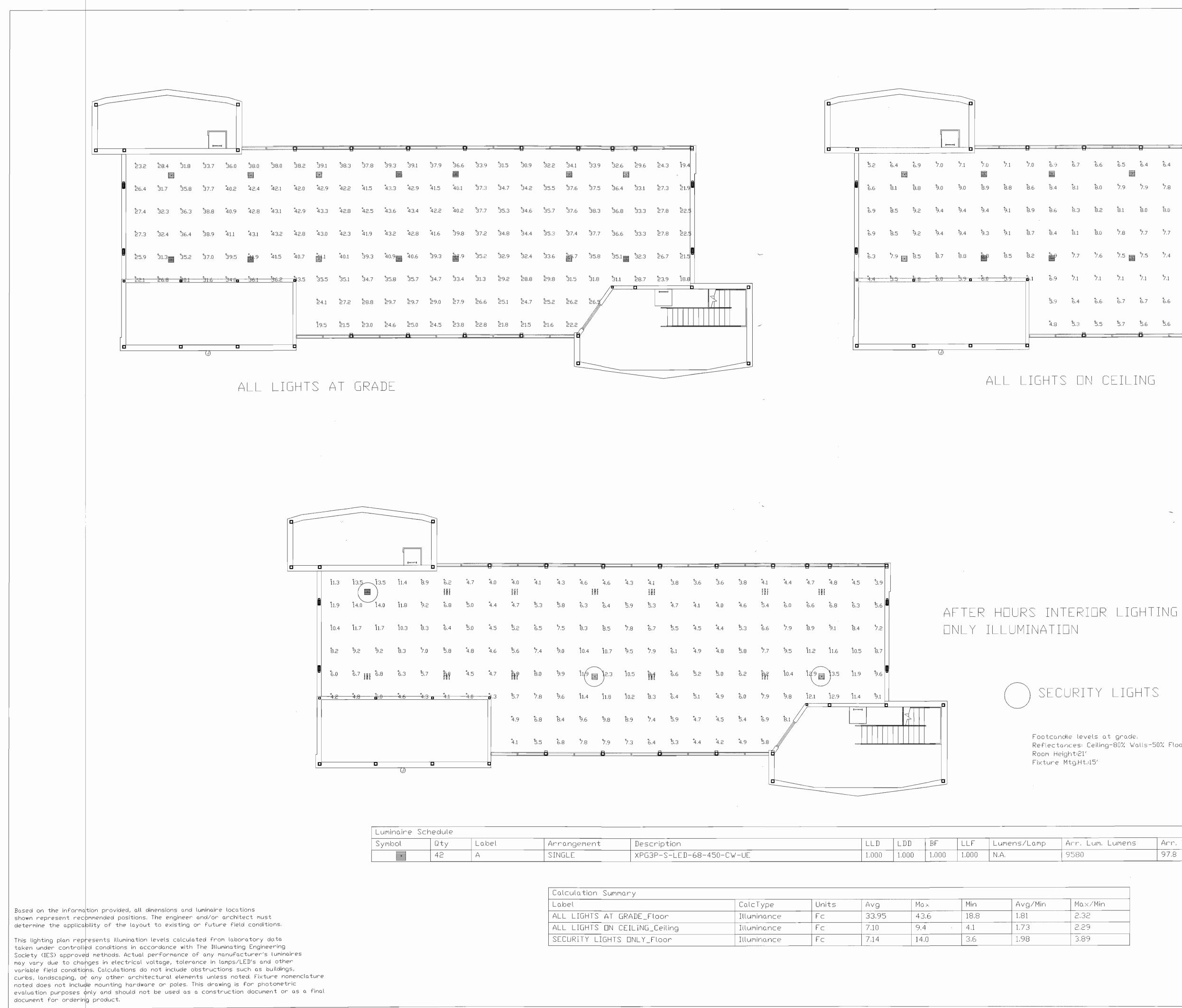
N.A.

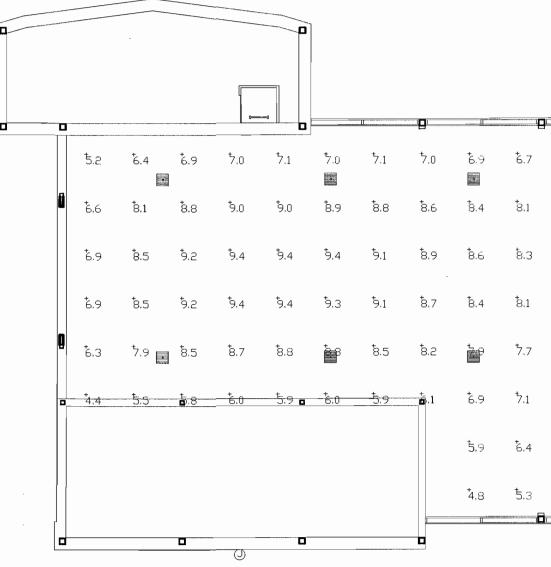
N.A.

N.A.

N.A.







 Arrangement	Description	LLD	LDD	BF	LLF	Lumens/Lamp	Ann. L
SINGLE	XPG3P-S-LED-68-450-CW-UE	1.000	1.000	1.000	1.000	N.A.	9580
			-				-

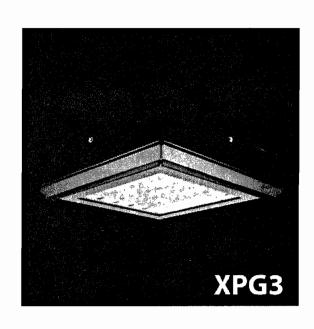
Calculation Summary			A =	N4	Miles		Max
Label	CalcType	Units	Avg	Maix	Min	Avg/Min	Max
ALL LIGHTS AT GRADE_Floor	Illuminance	Fc	33.95	43.6	18.8	1,81	2.32
ALL LIGHTS ON CEILING_Ceiling	Illuminance	Fc	7.10	9.4	· 4.1	1.73	2.25
SECURITY LIGHTS DNLY_Floor	Illuminance	Fc	7.14	14.0	3.6	1.98	3.89

b.2 $b.1$ $b.0$ $b.0$ $b.0$ $b.7$ $b.5$ $b.6$ $b.7$ $b.8$ $b.7$ $b.4$ $b.8$ $b.5$ $b.0$ $b.8$ $b.7$ $b.7$ $b.7$ $b.7$ $b.7$ $b.6$ $b.7$ $b.8$ $b.7$ $b.7$ $b.8$ $b.7$ $b.8$ $b.7$ $b.8$ $b.7$ $b.8$ $b.7$ $b.7$ $b.8$ $b.7$ $b.8$ $b.7$ $b.8$ $b.7$ $b.8$	Image: Normal state in the state in th			Ш			Q		-11	0	1	ī	1	9		8	
B.2 $B.1$ $B.0$ $B.0$ $7.8$ $7.7$ $7.6$ $7.7$ $7.8$ $7.7$ $7.4$ $6.8$ $5.5$ $B.0$ $7.8$ $7.7$ $7.7$ $7.6$ $7.5$ $7.6$ $7.7$ $7.8$ $7.7$ $7.4$ $6.8$ $5.5$ $B.0$ $7.8$ $7.7$ $7.7$ $7.6$ $7.5$ $7.6$ $7.5$ $7.6$ $7.5$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.5$ $7.6$ $7.5$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7$	b.2 $b.1$ $b.0$ $b.8$ $b.7$ $b.5$ $b.5$ $b.6$ $b.7$ $b.8$ $b.7$ $b.8$ $b.5$ $b.0$ $b.8$ $b.7$ $b.6$ $b.5$ $b.6$	_	<b>.</b> 6.6		÷ 6.4	<sup>+</sup> 6.4		<b>†</b> 6.2	÷.0	5.9	÷6.0		÷.З	÷.2	5.9	5.3	<sup>‡</sup> .3
b.0 $b.8$ $b.7$ $b.6$ $b.5$ $b.4$ $b.4$ $b.5$ $b.5$ $b.6$ $b.6$ $b.3$ $b.7$ $b.5$ $b.6$ $b.5$ $b.4$ $b.7$ $b.6$ $b.7$ $b.6$ $b.6$ $b.7$ $b.6$ $b.7$ $b.6$ $b.7$ $b.7$ $b.6$ $b.7$ $b.7$ $b.6$ $b.7$ $b.7$ $b.6$ $b.7$ $b.6$ $b.7$ $b.6$ $b.7$ $b.6$ $b.6$ $b.7$ $b.8$ $b.8$ $b.7$ $b.7$ $b.6$ $b.6$ $b.7$ $b.6$ $b.7$ $b.7$ $b.6$ $b.6$ $b.7$ $b.7$ $b.6$ $b.7$ $b.7$ $b.6$ $b.7$ $b.7$ $b.6$ $b.7$ $b.7$ $b.7$	8.0 $7.8$ $7.7$ $7.6$ $7.5$ $7.4$ $7.5$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.7$ $7.6$ $7.5$ $7.6$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ $7.6$ $7.5$ $7.6$ <t< td=""><td></td><td><b>*</b>8.0</td><td>₽.9</td><td>₽,9</td><td>5.8</td><td>ħ.7</td><td>5,ځ</td><td>ל.2</td><td>٦.2</td><td>້ን.3</td><td>ל.5</td><td>້፟ን.6</td><td><b>ئ</b>.6</td><td>ጎ.1</td><td><sup>‡</sup>6.5</td><td><del>5</del>.2</td></t<>		<b>*</b> 8.0	₽.9	₽,9	5.8	ħ.7	5,ځ	ל.2	٦.2	້ን.3	ל.5	້፟ን.6	<b>ئ</b> .6	ጎ.1	<sup>‡</sup> 6.5	<del>5</del> .2
7.6       7.5       7.4       3       7.2       7.2       7.2       7.3       7.3       7.0       6.4       5.2         7.1       7.1       7.1       7.0       6.9       6.9       6.8       6.8       6.7       6.2       5.8       5.2       4.1         6.6       6.7       6.7       6.6       6.6       6.5       6.4       6.3       6.0       5.4       5.4	7.6       7.5       7.4       7.3       7.2       7.2       7.2       7.3       7.3       7.0       6.4       5.2         7.1       7.1       7.1       7.0       6.9       6.9       6.8       6.7       6.5       6.2       5.8       5.2       4.1         6.6       6.7       6.7       6.7       6.6       6.5       6.4       6.4       6.3       6.0       5.4       5.2       5.2       4.1		₿.2	<sup>†</sup> 8.1	<sup>‡</sup> 8.0	₿.0	7.8	<b>ئ</b> .7	7.5	້ን.5	7.6	٦.7	<del>ئ</del> .8	٦.7	7.4	<sup>+</sup> 6.8	5.5
7.1     7.1     7.1     7.1     7.0     6.9     6.9     6.8     6.7     6.5     6.2     5.8     5.2     4.1       6.6     6.7     6.7     6.7     6.7     6.7     6.7     6.7     6.7	7.1     7.1     7.1     7.1     7.0     6.9     6.9     6.8     6.7     6.5     6.2     5.8     5.2     4.1       6.6     6.7     6.7     6.7     6.7     6.6     6.5     6.4     6.3     6.0     5.4		<b>.</b> 0	<del>8</del> .ל	٦.7	Ť.7	٦.6	7.5	7.4	<sup>+</sup> 7.4	7.5	٦.5	<sup>†</sup> 7.6	7.6	<sup>†</sup> .з	<sup>‡</sup> 6.7	5.5
b.6     b.7     b.6     b.6     b.6     b.6     b.7     b.6     b.7     b.6     b.7     b.7     b.6     b.7     b.7 <td>b.6     b.7     b.6     b.6     b.5     b.4     b.3     b.0     b.4     b.4     b.3     b.4     b.4     b.4     b.4     b.3     b.4     b.4<td></td><td>٦.6</td><td>5,5 ₪</td><td>້ 7.5</td><td>7.4</td><td>+,</td><td>ћ.з</td><td>ħ.2</td><td>ל.e</td><td><sup>ל</sup>.2</td><td>†</td><td>ל.3</td><td><sup>†</sup>.3</td><td>0.ל</td><td><sup>+</sup>6.4</td><td><b>5</b>.2</td></td>	b.6     b.7     b.6     b.6     b.5     b.4     b.3     b.0     b.4     b.4     b.3     b.4     b.4     b.4     b.4     b.3     b.4     b.4 <td></td> <td>٦.6</td> <td>5,5 ₪</td> <td>້ 7.5</td> <td>7.4</td> <td>+,</td> <td>ћ.з</td> <td>ħ.2</td> <td>ל.e</td> <td><sup>ל</sup>.2</td> <td>†</td> <td>ל.3</td> <td><sup>†</sup>.3</td> <td>0.ל</td> <td><sup>+</sup>6.4</td> <td><b>5</b>.2</td>		٦.6	5,5 ₪	້ 7.5	7.4	+,	ћ.з	ħ.2	ל.e	<sup>ל</sup> .2	†	ל.3	<sup>†</sup> .3	0.ל	<sup>+</sup> 6.4	<b>5</b> .2
\$.6     \$.7     \$.6     \$.6     \$.5     \$.4     \$6.3     \$6.0     \$5.4	\$6.6     \$6.7     \$6.6     \$6.5     \$6.4     \$6.3     \$6.0     \$5.4		٦.1	节.1	<b>†</b> 7.1	ት.1	<b>້</b> າ.0	<sup>+</sup> 6.9	÷.9	÷.8	<b>.</b> 6.8	÷6,7	÷.5	÷.2	5,8	5.2	
5.5 5.7 5.6 5.6 5.7 5.4 5.4 5.5 5.1 4.8	5.5 5.7 5.6 5.6 5.7 5.4 5.4 5.5 5.1 <sup>4</sup> .8		<b>*</b> 6.6	<b>*</b> 6.7	<b>†</b> 6.7	÷.6	<b>+</b> 6,6	÷6.5	<b>.</b> 4	<b>*</b> 6.4	÷.3	÷.0	5.4	/		(*************************************	
			5.5	5.7	5.6	5.6	5.7	<sup>†</sup> 5.4	5.4	5.5	5.1	<sup>+</sup> 4.8	ll l				

SECURITY LIGHTS

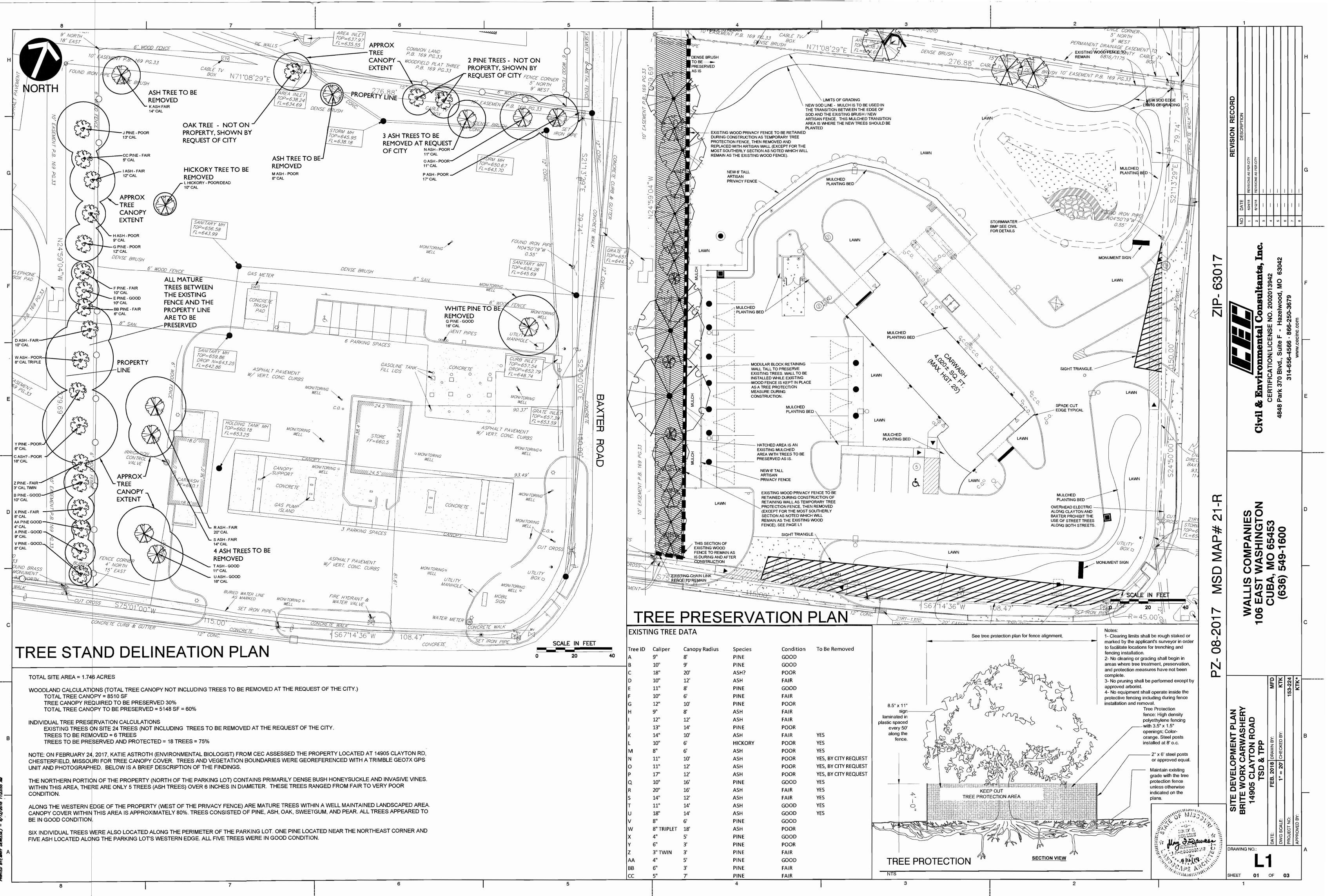
Footcandle levels at grade. Reflectances: Ceiling-80% Walls-50% Floor-20%

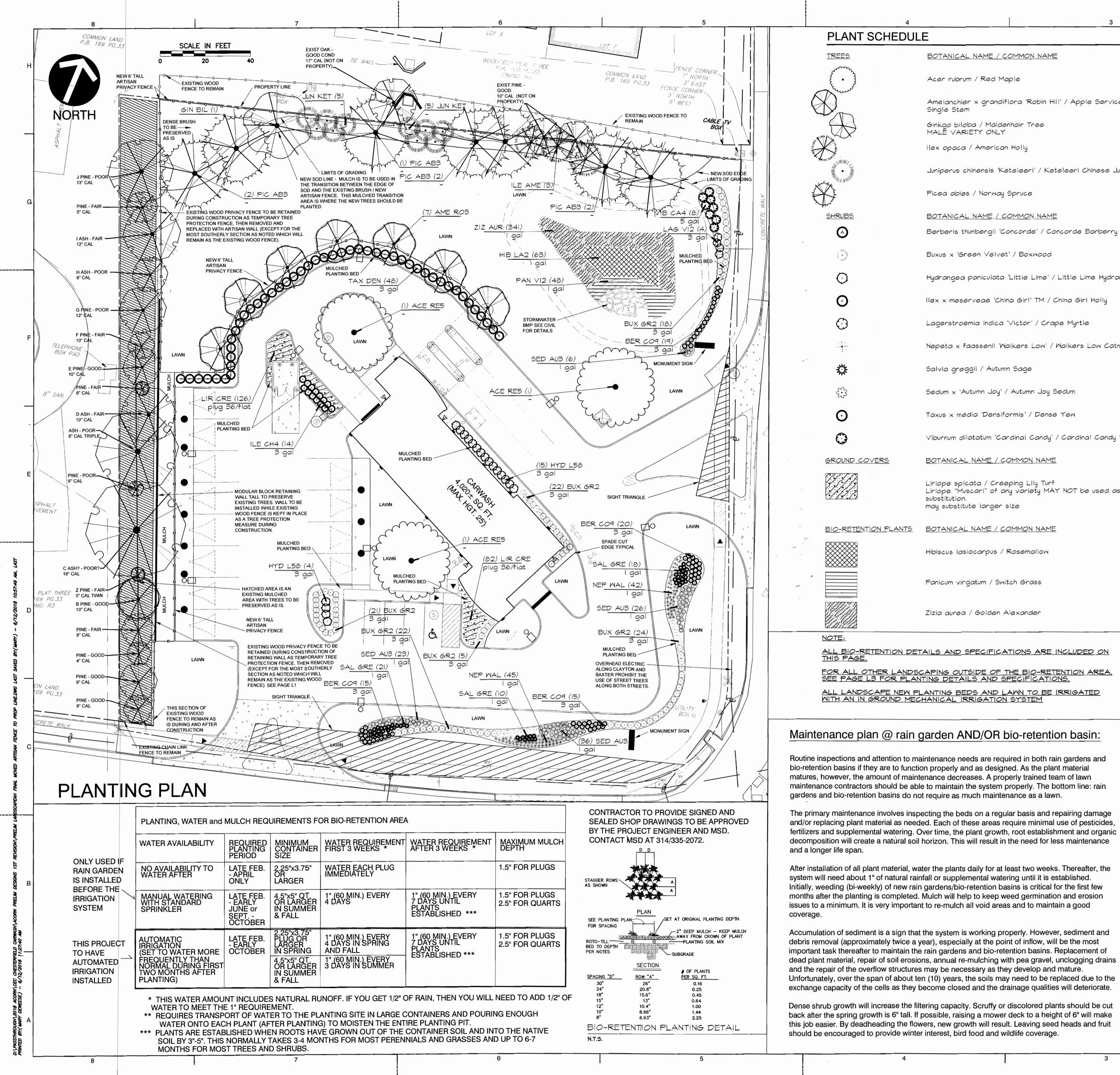
> . Lum. Lumens Arr, Watts 97.8 x/Min



# Click image to enable slide show & use tool bar to navigate

Total Project Watts <u>Total Watts = 3031.801</u> 10000 ALLIANCE RD. CINCINNATI, DHID 45242 USA (513) 793-3200 x FAX (513) 793-6023 LIGHTING PROPOSAL LD-142294-1 BRITE WORX CAR WASH 14905 CLAYTON ROAD CHESTERFIEL D,MO SHEET BY:MWE DATE:4-06-18 REV:5-16-18 SCALE: 1″=8′





				2				
	CONT	CAL	SIZE		QTY			
	-	2.5 cal.	JILL		3			н
ceberry	_	2.5 cal.			7			
Jobol I g	_	2.5 cal.			1			
	_	2.0 001.	6' tall		3			
luniper			6' tall		10			
onper	-		6' tall					
	<u>CONT</u>		e tan		7			REVISIONS AS PER CITY REVISIONS AS PER CITY REVISIONS AS PER CITY
ł	3 gal				<u>RTY</u> 69			
	3 gal				112			VO DATE 1 4/24/18 3 6 8
angea	3 gal				19			<u>α</u> γ ω μ Ν η - <u>Σ</u>
	3 gal				14		2	
	3 gal				4		63017	
mint	I gal				87			<b>onsultants</b> 0. 2002013942 elwood, MO 630 0-3679
	l gal				49		ZIP	Consultar Consultar Consultar Hazelwood, MO -250-3679 om
	l gal				୧୲			tal Consu ENSE NO. 2002 F - Hazelwood 866-250-3679 cinc.com
	3 gal				48			mental C N/LICENSE N Suite F - Ha 5-4566 · 866-2
√iburnum	5 gal				8			Environmental EERTIFICATION/LICENSE Park 370 Blvd., Suite F - F 314-656-4566 · 866- www.cecinc.co
	CONT			SPACING	QTY			& Enviro EERTIFICAT CERTIFICAT 8 Park 370 Blv 314-6
	plug 36/flat			16" o.c.	208			<mark>⊗</mark>
is a								Civil 48
	CONT			SPACING	QTY			
	l gal	. 42 J		30" o.c.	63			
				30"	48			
	l gal			30" o.c.	40		щ	7
	l gal			18" o.c.	34		21	
T t		G TREE TO REMA	N = 18				MAP#	545 600
							MA	ASH ASH 10 6 49-1
month	ns to determine t	he Ph (acidity)	level and	the nutrient l	, thereafter, every tw evels. A Ph range of	5.2 to 7.6 is	MSD	- 54 × CC
					sulfate and sulphur		Š	(63 AS
depar	tment/district.						17	
self-su		e help of the o	rganic ma		d bio-retention basin psoil. In fact, the pre		08-2017	C C
Additi	onal maintenanc	e might includ	le treatme		of plants presenting			
cutting	r fungal problem gs, moving rocks up of areas need	that may dive	ert water fl	ow, planting r	seed collections and nore of a successfu	l harvesting I species,	-Z-	
	ks schedule		,					MFD KTK 153-224 KTK*
Immed	diate tasks: wate	— r plant materia	l for fourte	en (14) cons	ecutive days unless	sufficient		
	l is recorded.	ispect for mos	quito lanv	a (after four (A	) days of standing v	vistor)		
Re-mu as nee	lich any void are	as by hand. W	ater durin	g extreme dro	ought periods, early	in the morning,		PMENT CARWA TTON R IG PLA
diseas	ly: visually inspe e (use least toxic ation of water.	ct and repair e c approach). I	erosion. A nspect dra	lso visually in: ainage paths a	spect for pest infesta and cells to assure p	ation and/or proper		VELO ORX ( CLAY ANTIN ANTIN 1" = 20'
Betwe 30TH,	<u>a year:</u> remove e en march 15TH-/ remove and rep d treatment.	April 30TH and	l again be	tween Octob	esh mulch layer. er 1ST-November n considered	Stander Mid 20	14	SITE BRITE 149
Once a vegeta	<u>a year:</u> check the ation material if n emain on trees.					May Johnson	100 M	DRAWING NO.:
Every	two to three year	<u>'s:</u> remove old	mulch lay	ver before app	olying a new layer.	5 12 19 192 AN	C. C. L.	L2
				2		" Weight Henrichter		SHEET <b>02</b> OF <b>03</b>

# LED CANOPY LIGHT - LEGACY<sup>TM</sup> (CRUS)



# DOE LIGHTING FACTS

Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.



# **Consult Factory**

Class 1, Division 2 - Available on LW and SS

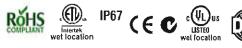
**T5 Temperature Classification** – The surface temperature of this product will not rise above 100°C., within a 40°C ambient.

Gas Groups A,B,C, and D - Group A: Acetylene / Group B: Hydrogen / Group C: Propane and Ethylene / Group D: Benzene, Butane, Methane & Propane.

# US & Int'l. patents pending.

- HOUSING Low profile, durable die-cast, aluminum construction, providing a reliable weather-tight seal.
- LEDS Features an array of select, mid-power, high brightness, high efficiency LED chips; 5000K color temperature, 70 CRI (nominal).
- DRIVE CURRENT Choice of Very Low Wattage (VLW), Low Wattage (LW), Super Saver (SS), High Output (HO) or Very High Output (VHO).
- **OPTICS / DISTRIBUTION -** Choice of Symmetrical or Asymmetrical, which directs light through a clear tempered glass lens, to provide a uniform distribution of light to vertical and horizontal surfaces.
- DPTICAL UNIT Features an ultra-slim 7/8" profile die-cast housing, with a flat glass lens. Unit is water-resistant, sealed to an IP67 rating. Integral designed heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.
- PRESSURE STABILIZING VENT Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.
- HAZARDOUS LOCATION Designed for lighter than air fuel applications. Product is suitable for Class 1 Division 2 only when properly installed per LSI installation instructions (consult factory).
- DRIVER State-of-the-art driver technology superior energy efficiency and optimum light output. Driver components are fully encased in potting for moisture resistance. Complies with IEC and FCC standards, 0-10 V dimming supplied standard with all drive currents.
- DRIVER HOUSING Die-cast aluminum, wet location rated driver/electrical enclosure is elevated above canopy deck to prevent water entry, provide easy "knock-out" connection of primary wiring and contributes to attaining the lowest operating temperatures. available. Seals to optical housing via one-piece molded silicone gasket.
- OPERATING TEMPERATURE -40°C to 50°C (-40°F to +122°F)
- ELECTRICAL Universal voltage power supply, 120-277 VAC, 50/60 HZ input. Drivers feature two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Scenario 1, Location Category C.
- FINISH Standard color is white and is finished with LSI's DuraGrip® polvester powder coat process. DuraGrip withstands extreme weather changes without cracking or peeling.
- INSTALLATION One person installation. No additional sealant required. Installs in a 12" or 16" deck pan. Deck penetration consists of a 4" hole, simplifying installation and water sealing. Unit is designed to quickly retrofit into existing Scottsdale (4") hole as well as openings for Encore and Encore Top Access and to reconnect wiring for the SC/ECTA without having to relocate the conduit. Retro panels are available for existing Encores (see back page) as well as kits for recessed and 2x2 installations (see separate spec sheets). Support brackets are provided standard, to prevent sagging of deck,
- SHIPPING WEIGHT 27 pounds (single pack), 48 pounds (double pack).
- EXPECTED LIFE Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.
- WARRANTY Limited 5-year warranty.
- LISTING UL and ETL listed to UL 1598, UL 8750 and other U.S. and International safety standards. Suitable for wet locations.
- PHOTOMETRICS Please visit our web site at www.isi-industries.com for detailed photometric data.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.









# LED CANOPY LIGHT - LEGACY<sup>™</sup> (CRUS)

# LUMINAIRE ORDERING INFORMATION

# TYPICAL OROER EXAMPLE: CRUS SC LED HO 50 UE WHT

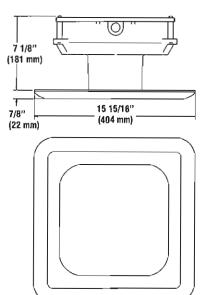
Prefix	Distribution <sup>1</sup>	Light Source	Drive Current	Color Temperature	Input Voltage	Finish	Options
CRUS	SC - Standard Symmetric AC - Asymmetric	LED	VLW - Very Low Walt LW - Low Watt SS - Super Saver HO - High Output VHO - Very High Output	50 - 5000K	UE - Universal Voltage (120-277V) 347 - 480V	WHT - White 8R2 - 8ronze 8LK - 8lack	HL - Hazardous location available on LW and SS

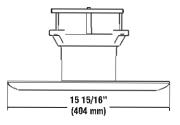
# FOOTNOTES:

1- AC distribution utilizes a reflector which allers the look from a standard S distribution.

ACCESSORY ORDERING INFORMATION (Access	ories are field installed)		
Description	Order Number	Oescription	Order Number
Retrofil Panels - EC / ECTA / SCF to CRU, for 16' Deck Panel	525946	Kil - Hole Plugs and Silicone (enough for 25 retrofils) <sup>1</sup>	1320540
Retrofit Panels - ECTA / SCF to CRU, for 12' Deck Panel	530281	1- Consists of (25) 7/8' hole plugs and (1) 10.3 oz tube of RTV	
Retrofit 2x2 Cover Panel Blank (no holes)	357282		
Retrofit RIC Cover Panel Blank (no holes)	354702		

# DIMENSIONS





		Lumens		Watts	, LP	W
		SC	AC	SC/AC	SC	AC
a.	VLW - Very Low Watt	9055	7632	61	148	125
White	LW - Low Wall	10525	8884	74	142	120
C00	SS - Super Saver	13674	11595	98	140	118
	HO - High Oulpul	18633	15145	132	141	115
	VHO - Very High Output	22418	17262	159	141	109



# LED WALL SCONCE (PWM)



### DOE LIGHTING FACTS

Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

LIG		TPUT - P	WM :ns (Nominal)						
Type S Watts									
Cool White	LW	1400	15						
Cool	HO	5200	56						
White	LW	1300	15						
Neutral White	H0	4900	56						

LEO Chips are frequently updated therefore values may increase.

### US & Int'l. patents pending

ENERGY SAVING CONTROL OPTIONS – DIM – 0-10 volt dimming enabled with controls by others.

- EXPECTED LIFE Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.
- LEDS Available with select high-brightness LEDs in Cool White (5000K) or Neutral White (4000K) color temperature, 70 CRI.
- **DISTRIBUTION/PERFORMANCE** Type S (Standard Symmetric). Exceptional uniformity creates bright environment at lower light levels.
- HOUSING One-piece die-cast aluminum housing is smoothly contoured rectangular shape. Mounting hardware is stainless steel or electro-zinc plated steel. Housing and optical unit are sealed with extruded silicone gasket; supply conductors with molded EPDM bushing.
- **OPTICAL UNIT** Clear tempered optical-grade flat glass lens sealed to the aluminum optic housing creates an IP65 rated unit. Pressure stabilizing breather allows super-tight protection while preventing cycling from building up internal pressures and vacuums that can stress optical unit seals.
- WALL MOUNTING Galvanized-steel universal wall mounting plate easily mounts directly to 4" octagonal or square junction box. EPDM gasket is supplied to be installed between mounting plate and junction box, sealing junction box from entrance of water. Universal plate permits fixture to be mounted in uplighting (indoor only) or downlighting position.
- POLE MOUNTING XPMA (for square) or XPMAR (for round) allows mounting to poles in single and D180 configurations. Use with 3" reduced drilling pattern.
- ELECTRICAL Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277VAC (50/60Hz input) or 347-480VAC.
- **DRIVER -** Available in Low Wattage (LW) and High Output (HO) drive currents (Drive currents are factory programmed). Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver can be easily accessed and removed. Optional 0-10V dimming available with controls by others.
- OPERATING TEMPERATURE -40°C to +50°C (-40°F to +122°F)
- FINISH Fixtures are finished with LSI's OuraGrip<sup>®</sup> polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.
- WARRANTY LSI LED fixtures carry a limited 5-year warranty.
- PHDTOMETRICS Please visit our web site at <u>www.lsi-industries.com</u> for detailed photometric data.
- SHIPPING WEIGHT (in carton) 27 lbs./12.2Kg
- **LISTING** UL listed to ANSI/UL1598, UL8750 and other U.S. and international safety standards. Suitable for wet locations in downlight position. For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.org.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.





# LED WALL SCONCE (PWM)

# LUMINAIRE ORDERING INFORMATION

# TYPICAL ORDER EXAMPLE: PWM S LED HO CW UE WHT PCI 120

Prefix	Distribution	Light Source	Drive Current	Color Temperature	Input Voltage	Flnish	Optional Controls	Optional Sensor/Options
PWM - LED Wall Sconce	S - Slandard Symmetrical	LEO	LW - Low Watt H0 - High Output	CW - Cool While (5000K) NW - Neutral White (4000K)	UE - Universal Voltage (120-277) 347-480 120 <sup>1</sup>	BLK - Black BRZ - Bronze GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Salin Verde Green WHT - White	Wireless Control System <sup>2,3</sup> (blank) - None           PCM - Platinum Control System           PCMH - Host/Satellite Platinum           Control System           GCM - Godd Control System           GCM - Kost/Satellite Gold           Control System           OIM - 0-10 volt dimming           (required for satellite fixtures)           Stand-Alone Control           Olark) - None           DIM - 0-10 volt dimming           (required for satellite fixtures)	Sensor           PCI120 - 120V Button-Type Photocell           PCI208 - 208V Button-Type Photocell           PCI240 - 240V Button-Type Photocell           PCI277 - 277V Button-Type Photocell           PCI347 - 347V Button-Type Photocell           Options           XPMA4 - Pole Mounting Adaptor w/ Fixture Back Plate for Use with Square Poles <sup>4</sup> XPMAR4 - Pole Mounting Adaptor w/ Fixture Back Plate for Use with 4' 0.0. Round Poles <sup>4</sup> XPMAR5 - Pole Mounting Adaptor w/ Fixture Back Plate for Use with 5' 0.0. Round Poles <sup>4</sup>

# ACCESSORY ORDERING INFORMATION<sup>2</sup> (Accessories are field installed)

reserved and subserved and subserve	noo aro noro motanoo)		
Description	Order Number	Description	Order Number
PWM Polycarbonate Shield	244657	DFK208, 240 - Double Fusing	DFK208,2405
PWM SW BLK - Surface Wiring Box (Available in black only)	356915BLK	DFK48D - Oouble Fusing	DFK480 <sup>s</sup>
FK120 - Single Fusing	FK120 <sup>5</sup>	FK347 - Single Fusing	FK347 <sup>s</sup>
FK277 - Single Fusing	FK277⁵		

### FOOTNOTES:

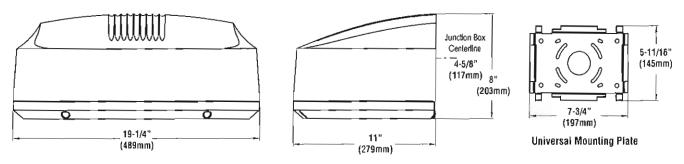
1- On Low Watt (LW) drive current, 120V only is DLC qualified. Specify 120 in place of UE.

2- For wireless controls information and accessories, see Controls section.

3- Requires a SiteManager and override switch.

4- Designed with 3\* reduced drilling pattern. For S or D1B0 mounting configuration only.
 5- Fusing to be installed in a compatible junction box supplied by contractor.

# DIMENSIONS



# **BUG LISTING**

# **PWM - TYPE S**

Orive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
НО	CW	5184	56	93	B2-U0-G1
HU	NŴ	4917	56	88	B2-U0-G1
00	CW	1439	15	95	B1-U0-G0
SS	NW	1310	15	85	B1-U0-G0

\* Color Temperature: NW-4000K, CW-5000K



Project Name

Catalog #\_

# LED GEN3 PARKING GARAGE LIGHT (XPG3)



### DOE LIGHTING FACTS

Department of Energy has verified representative product lest data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

LIG	HT OUTP	PUT - XPG3	}		
		# of LEDS	Lumens Type 5	(Nominal) Type S	Walts
350 mA		50	4718	6187	56
æ	350 IIIA	68	5814	7512	75
aji 450 r	450 m	50	5743	7606	73
	400 MA	68	7082	9580	98
ŭ	550 mA	50	6656	8952	90
	550 MA	68	8397	10712	125
	350 mA	50	4245	5998	56
lite	350 IIIA	68	5695	7051	75
Š.	450 mA	50	5137	7313	73
Neutral White	400 IIIA	68	6919	8584	98
Ner	550 mA	50	5950	8456	90
	220 IIIA	68	7875	9880	125

This product, or selected versions of this product, meet the standards

listed below. Please consult factory for your specific requirements.

IP65 IP67

wet location Func

ARRA

LED Chips are frequently updated therefore values may increase.

# US patent D603081 & D611188 & 7828456 and US & Int<sup>1</sup>. patents pending SMARTTEC<sup>™</sup> ENERGY SAVING FEATURES:

THERMAL CONTROL -LSI drivers feature integral sensor which reduces drive current, when ambient temperatures exceed rated temperature.

- OCCUPANCY SENSING (IMS) Optional internal passive infrared motion sensor activated switching of luminaire light levels. High level light is activated when automobile or passerby enters sensor target zone. High light level is increased to full bright in 1-2 seconds upon detection. Low light level (30% of maximum drive current) is activated when target zone is absent of motion activity for ~ 2 minutes. Upon inactivity, light level is gradually ramped down (10-15 sec.) to low level to allow eyes time to adjust. Two sensor detection optics are available. The wide optic has a coverage range of 40 feet diameter at mounting heights of 8 feet to 12 feet. The narrow optic has a coverage range of 20 feet diameter at a mounting height of 8 feet to 12 feet.
- **DIMMING (DIM)** Optional 0-10 volt dimming enabled, with controls.
- BI-LEVEL SWITCHING (BLS) Optional bi-level switching responds to external line voltage signal from separate controller or sensor, with low light level decreased to 30% maximum drive current.
- **EXPECTED LIFE** Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.
- LEOS Two LED array choices; 50 and 68. Each feature high-brightness LEDs in Cool White (5000K) or Neutral White (4000K) color temperature, 70 CRI.
- ORIVER CURRENT OPTIONS Available in 350mA, 450mA or 550mA drive currents.
- **OISTRIBUTION/PERFORMANCE** Ultra-high efficiency reflectors provide solid performance for typical spacings and heights, exceptional uniformity with vertical illumination and full cutoff. Ideal when maximum spacing is desired without sacrificing desired lumen levels. Meets RP20 recommendations while delivering unique control of distribution to minimize glare. Optional diffused lens available to reduce visibility of diodes.
- HOUSING/OPTICAL UNIT The XPG3 features a slim 7-1/8" profile. Housing is die-formed aluminum with a gasketed clear flat tempered glass lens providing a water-resistant seal. Weather-tight aluminum enclosure contains factory prewired driver to ensure no water entry and to eliminate need to open fixture completely. Optical unit is IP67 rated.
- MOUNTING Not intended for recessed mounting in enclosed ceilings. Standard mounting is rigid 3/4" pendant mount or direct surface mount to 4" (102mm) octagon box (box by others). Pendant and direct mount standard with 48" leads and 8" leads respectively. Direct mount features standard quick mount plate with elongated key hole slots to allow alignment of fixtures.
- ELECTRICAL Universal voltage power supply (120-277 VAC, 50/60 Hz). Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Scenario 1, Location Category C. Emergency LED battery back-up/driver operates 10 LEDs for a minimum of 90 minutes when primary AC power failure occurs.
- **ORIVER** Proprietary, state-of-the-art SmartTec driver technology designed specifically for LSI LED light sources provides unsurpassed system efficiency. Driver will operate with input of 120V thru 277V (50/60 Hz). LSI components are fully encased in potting material for IP65 moisture resistance. Driver complies with IEC and FCC standards.

**OPERATING TEMPERATURE -** -40°C to +50°C (-40°F to +122°F).

- FINISH Fixtures are finished with LSI's DuraGrip<sup>®</sup> polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.
- WARRANTY Limited 5-year warranty.
- PHOTOMETRICS Please visit our web site at <u>www.lsi-industries.com</u> for detailed photometric data.
- SHIPPING WEIGHT Standard fixture 21 lbs. (9.5 kg). Fixtures with battery back-up 28 lbs. (13 kg)
- LISTING ETL listed to U.S. and International safety standards. Suitable for wet locations. For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.org.



( E 🖉

\_\_\_ Fixture Type \_\_\_\_\_

# LED GEN3 PARKING GARAGE LIGHT (XPG3)

# LUMINAIRE ORDERING INFORMATION

# TYPICAL ORDER EXAMPLE: XPG3P 5W LED 68 450 CW UE WHT DIM

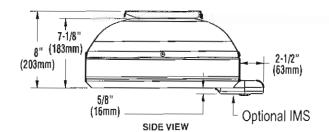
	Source	LEDs	Current	Color Temperature	Input Vollage	Finish	Optional Controls	Optional Sensors/Options
V - Type 5 Wide Symmetric	LED	50 68	350 - 350mA 450 - 450mA 550 - 550mA	CW - Cool White (5000K) NW - Neutral White (4000K)	UE - Universal Electronic (120-277) 347 - 347 voll 480 - 480 voit	WHT - White BLK - Black MSV - Metallic Silver	Wireless Control System         2.3           (blank) - None         PCM - Platinum Control System           PCM - Platinum Control System         Control System           GCM - Gold Control System         GCM - Gold Control System           GCM - Gold Control System         GCM - Gold Control System           GCM - Gold Control System         GCM - Gold Control System           GCM - Gold Control System         GCM - Gold Control System           GLM - On Volt dimming         (required for satellite fixtures)           Stand-Alone Control         (blank) - None           DIM <sup>5</sup> - 0-10V Dimming         (Irom external signal)           BLS <sup>6</sup> - 8-it-evel Switching         (Irom external signal - required 120-277v controls system voltage)	Sensor IMS - Integral Motion Sensor <sup>7.</sup> Options BB - Battery Backup <sup>9</sup> CW8B - Cold Weather BB <sup>9</sup> DFL - Oiffused Lens <sup>10</sup>

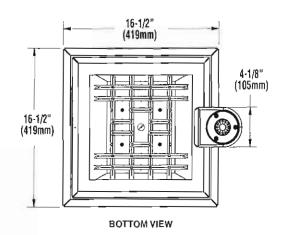
ACCESSURY URDERING INFORMATION	(Accessorie	es are field installed)	
Description	Drder Number	Description	Order Number
XPG3 Bird Guard	XPG3_BG	RPS8120 - WL Remote Box with 120V External Photocell	C/F <sup>11</sup> C/F <sup>11</sup>
Polycarb Sheild	XPG PCS <sup>8</sup>	RPSB208-277 - WL Remote Box with 208-277V External Photocell	C/F
ROSB120 - WL Remote Box with 120V Occupancy Sensor	C/F <sup>11</sup>		
ROSB277 - WL Remote Box with 277V Occupancy Sensor	C/F <sup>11</sup>		

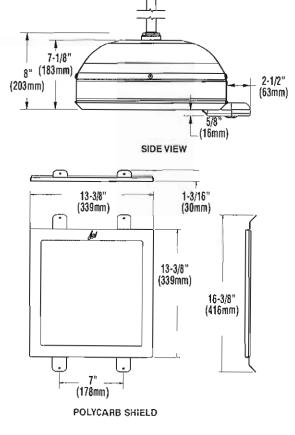
### FOOTNOTES:

- 1 Pendant stems must be ordered separately; specify length.
- 2 For wireless controls information and accessories, see Controls section.
- 3 Requires a SiteManager and override switch. Not compatible with BLS or IMS option.
- 4 Consult factory for available configurations.
- 5 Not compatible with IMS or BLS option.
- 6 Not compatible with wireless controls system, DIM or IMS option.
- 7 Nol compatible with wireless controls system, DIM or BLS option.
- 8 Polycarbonate Shield not available with IMS
- 9 Battey Backup & cold weather battery backup available in UE only. Not available with PCM or GCM wireless controls.
- 10 Diffused lens reduces light output. Consult factory.
- Includes PCM or GCM. To be used in conjunction with PCM or GCM options in the fixture. Consult factory.

# DIMENSIONS









Project Name \_\_\_\_\_ Catalog #\_\_\_\_\_ J Fixture Type \_\_\_\_\_

# LED AREA LIGHTS - LSI SLICE SMALL (XLCS)



### DOE LIGHTING FACTS

Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

LIG	нт	OUTPL	IT - XLCS	; –		_	
		Type 3	L Type FT	umens (N Type 5	lominal) Type5E	TypeFTE	Watts (Nominal)
ie, ei	<b>\$</b> \$	10100	11400	11400	8200	7800	97
Cool	HO	14000	15500	15700	11600	10600	140
Neutral White	SS	9700	10400	10800	7900	7500	97
Neu	HO	13400	14700	15200	11000	10500	140

LED Chips are frequently updated therefore values may increase.

# RECEIVED

JUL - 2 2018

City of Chesterfield Department of Public Services US & Int'l. patents pending

- SMARTTEC<sup>™</sup> LSI drivers feature integral sensor which reduces drive current, when ambient temperatures exceed rated temperature.
- ENERGY SAVING CONTROL OPTION DIM 0-10 volt dimming enabled with controls by others.
- EXPECTED LIFE Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.
- LEDS Select high-brightness LEDs in Cool White (5000K), or Neutral White (4000K) color temperature, 70 CRI.
- **DISTRIBUTION/PERFORMANCE** Types 3, FT, 5 and enhanced 5E and FTE. Exceptional uniformity creates bright environment at lower light levels. Internal Louver (IL) option available for improved backlight control without sacrificing street side performance for FT distribution.
- HDUSING One-piece, die-formed aluminum housing contains factory prewired driver. Wiring access door (with safety lanyard) located underneath.
- **OPTICAL UNIT** Clear tempered flat glass lens permanently sealed to weather-tight aluminum optic frame creates an IP65 rated optical unit (includes pressure-stabilizing breather).
- MOUNTING Tapered rear design allows fixtures to be mounted in 90° and 120° configurations without the need for extension arms. Use with 3" reduced drilling pattern. A round pole plate is required for mounting to round poles. Wall mount available by ordering wall mounting bracket (BKS-XBO-WM-\*-CLR). Proprietary pole quick mount accessories available with horizontal mounting or fixed 15° angled mounting (PQMH-KIT-CLR and PQM15-KIT-CLR) for mounting to square poles. See Accessory Ordering Information chart for all brackets.
- ELECTRICAL Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277 VAC (50/60Hz input), and 347-480 VAC. Optional button-type photocells (PCI) are available in 120, 208, 240, 277 or 347 volt (supply voltage must be specified).
- DRIVER Available in SS (Super Saver) and HO (High Output) drive currents. Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.
- OPERATING TEMPERATURE -40°C to +50°C (-40°F to +122°F)
- FINISH Fixtures are finished with LSI's DuraGrip<sup>®</sup> polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Available in black, bronze and white. Other standard LSI finishes available. Consult factory.
- WARRANTY LSI LED fixtures carry a limited 5-year warranty.
- PHOTOMETRICS Please visit our web site at <u>www.lsi-industries.com</u> for detailed photometric data.
- SHIPPING WEIGHT (in carton) One fixture: 17.5 lbs. (7.9 kg). Packed two per carton: 30 lbs. (13.6 kg).
- LISTING UL listed to U.S. and international safety standards. Suitable for wet locations. For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.org.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



Fotures comply with ANSI C136.31-2010 American National Standard for Roadway Lighting Equipment - Luminaire Vibration 1.5G requirements.



# LED AREA LIGHTS - LSI SLICE SMALL (XLCS)

LUMINAIRE ORDERING INFORMATION

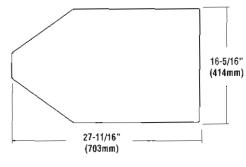
### **XLCS** BLK PCR S LED SS 50 UE TYPICAL ORDER EXAMPLE:

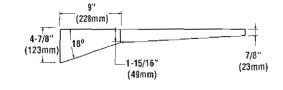
Prefix	Distribu	ution	Light Source	Orive Current	Color Temperalure	Input V	/ollage	Finish	Dj	otions
	3 - Type III 5 - Type V FT - Forward Thro 5E - Type V Enhar FTE - Foward Thro	nced ow Enhanced	LED	SS - Super Saver HD -High Oulput	50 - 5000K 40 - 4000K	Vol (120- 347 Universa (347	niversal lage 277V) -480 al Vollage -480V)	BLK - Black 8RZ - 8ronze WHT - White	PCI347 - 34 IL - Internal L	ial signal) Pholocells DV V - 208-277V 7V ouver (available stribution only) toelectric
LUMI	NAIRE EPA CI		ACCESSO	<u>RY ORDERING INFO</u>	DRMATION (/	Accessories are	e field installe	d)		
	Horizontal Mou	ating Only	Descr	íption		Order Numbe	r	Description		
-	Single	0.4	8KS-X80-WN	·*-CLR Wall Mount Brack	tel	382132CLR	DFK208, 240	Double Fusing (208V, 240V)		DFK208, 240
	D180°	0.8	XLCS-3/FT-HS	S (Black only)		6031628LK <sup>1</sup>	DFK480 Deu	ble Fusing (480V)		DFK480 <sup>2</sup>
			X3RPP Round	Pole Plate for 3' RTP Pole	IS	408273CLR	FK347 Single	Fusing (347V)		FK347 <sup>2</sup>
	D90°	0.6	X4RPP Roun	d Pole Plate for 4' Poles		379967CLR	PQMH-KIT-CL	R Square Pole Quick Mount Ho	prizontal Bracket	582328CLR
- ×	🖬 T90°	1.4	X5RPP Roun	d Pole Plate for 5' Poles		379968CLR	POMIS-KIT-C	LR Square Pole Quick Mount Br	acket w/fixed 15° An	igle 582329CLR
ļ	TN120°	1.4	FK120 Single	Fusing (120V)		FK120 <sup>2</sup>	ALSC UNV TL	5 - AirLink 5 Pin Twist Lock Cor	ntroller	661409
		1.4	FK120 Single	Fusing (120V)FK		FK277 <sup>2</sup>	ALSC UNV TL	7 - AirLink 7 Pin Twist Lock Cor	ntroller	661410
- 2	<b>09</b> 0°	1.6								

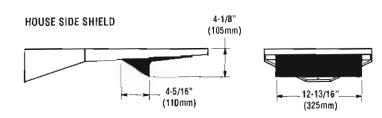
EPA. Consult Factory.

Fusion and the second of the band hole of pole.
 Photocell must be ordered separately. 7 pin standard. See Accessories.

DIMENSIONS









1

# LED AREA LIGHTS - LSI SLICE SMALL (XLCS)

# **BUG LISTING**

XLCS - Type 3									
Drive Current	Color Temp.*	Lumens	Watts	LER	<b>BUG Rating</b>				
	CW	14,020	143	98	B3-U0-G2				
HO	CW-HSS	8815	146	60	B2-U0-G2				
	NW	13,421	143	94	B3-U0-G2				
SS	CW	10,126	97	105	B3-U0-G2				
	NW	9719	97	101	B3-U0-G2				

# XLCS - Type 5E

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
HO	CW	11,581	146	79	B4-U0-G2
	NW	10,996	146	75	84-U0-G2
SS	CW	8202	96	85	B3-U0-G2
	NW	7908	96	82	B3-U0-G2

### Drive Current Color Temp.\* Lumens Watts LER **BUG Rating** 139 CW 15,535 112 B3-U0-G2 CW-HSS 12,489 139 90 B1-U0-G2 HO CW-IL 14,384 138 104 B3-U0-G2 NW 14,694 146 100 B3-U0-G2 10,499 B1-U0-G2 NW-HSS 144 73 12,763 144 B2-U0-G2 NW-IL 89 96 CW 11,383 118 B2-U0-G2 CW-HSS 96 9099 95 B1-U0-G2 SS CW-IL 10,509 96 109 B2-U0-G2

10,410

7699

9328

NW

NW-HSS

NW-IL

**XLCS - Type FT** 

XLCS - Type 5

<b>Drive Current</b>	Color Temp.*	Lumens	Walls	LER	BUG Rating
HO	CW	15,674	138	113	B4-U0-G2
	NW	15,184	146	104	B4-U0-G2
SS	CW	11,449	96	119	B3-U0-G2
	NW	10,762	96	112	B3-U0-G1

XLCS - Type FTE								
Drive Current	Color Temp.*	Lumens	Walts	LER	BUG Rating			
	CW	10585	141	75	B2-U0-G2			
НО	CW-HSS	7810	146	53	B1-U0-G2			
	NW	10,499	146	72	82-U0-G2			
	NW-HSS	7721	146	53	B1-U0-G2			
	CW	7752	96	<u>8</u> 1	<u>B1-U0-G2</u>			
SS	CW-HSS	5676	96	59	B1-U0-G2			
	NW	7493	96	78	B1-U0-G2			
	NW-HSS	5517	96	57	B1-U0-G2			

\* Color Temperature: NW-4000K, CW-5000K

108

78

B2-U0-G2

B1-U0-G2

95 B2-U0-G2

96

99

98



1

1



RECEIVED MAY - 2 2018 City of Chosterfield Department of Public Services

Architecture Planning Construction Management www.osmarchitecture.com

April 23, 2018

Ms. Cassie Harashe, AICP Project Planner City of Chesterfield 690 Chesterfield Parkway West Chesterfield, Missouri, 63017

RE: Brite WorX, 14905 Clayton Road

Dear Cassie,

Per your request, I am submitting this Architect's Statement of Design for review and comment.

Section C:

- (1) The submittal provides a site relationship with maximum buffer to surrounding properties while also maintaining a higher than minimum street frontage buffer providing a gentle transition from street to the development.
- (2) The submittal provides safe movement of all types throughout the site with separate and distinct pathways. The orientation of the building on site takes advantage of solar angles and creates pockets of visual interest throughout the site experience. Parking is primarily oriented away from the intersection view to the side and rear of the development.
- (3) The submittal uses the existing topography, as much as practical, to maintain the existing character. Topographical changes required complement the existing topography.
- (4) The submittal attempts use topography changes to minimize retaining wall use. Where retaining walls are proposed, they are intended to be low (less than 4') and used to protect existing mature trees to maintain a landscape buffer between the site and neighboring buildings.

## Section D:

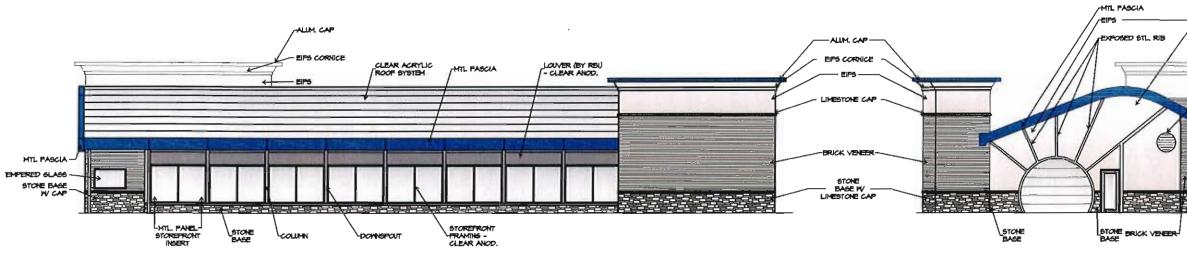
- (1) The submittal shares building scale compatibility and elements with the Walgreens opposite the site at the larger element and with the Petro-Mart and office building at the intersection at the smaller element. Human scale is achieved through use of recognizable scale materials and horizontal banding to reduce the visual scale of the vertical elements. Generic scale is achieved by site orientation and building massing to enhance the rhythm along the street.
- (2) The submittal relies on articulated vertical elements (towers) to physically and visually contrast the main building's low, linear form. Roof top screening is integral to the design elements, in contrast to the surrounding properties. Overhangs and tower element offsets at the entry and exit provide a transition into the facility. Highly efficient lighting combined with the building orientation with respect to the solar angles provides better energy efficiency.

Architect's Statement of Design Brite WorX, 14905 Clayton Road Page 2

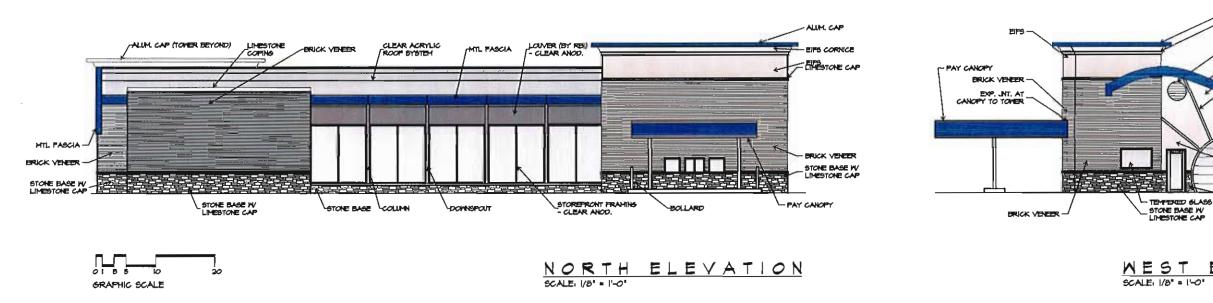
- (3) The submittal's use of different and compatible materials provides visual interest, reduces visual scale and are complimentary to the adjacent properties visible from the intersection. All materials proposed are durable to reduce maintenance requirements. Contrasting pavement color is incorporated into the proposal.
- (4) The submittal preserves many existing mature trees, primarily along the buffer/perimeter of the site. The additional perimeter landscaping follows the rhythm and theme of the existing. Landscape screening has been provided along the perimeter of the site and screening is provided internally to the landscaping to provide a visual barrier from off site. The internal screening material is masonry and complimentary to the building material. Building landscaping is grouped in clusters, primarily shrubs, to provide visual interest and soften the hard edges at ground level. Additional individual trees are proposed to add points of interest. Street landscaping is also clustered and varied to provide interest and focal points along the street. Parking and drive landscaping is fully protected from vehicular and pedestrian traffic. Trash enclosure materials are complimentary to the building materials and also screened by landscaping.
- (5) The signage will be reviewed under a separate process to comply with City requirements.
- (6) The lighting will be reviewed under a separate process to comply with City requirements.

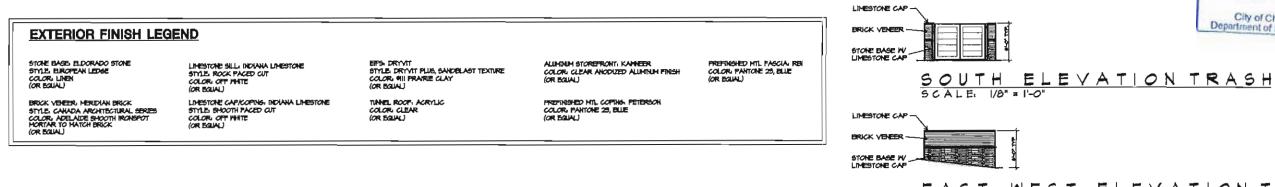
I believe this submittal meets the Chesterfield Architectural Guidelines for the reasons stated above. If you have any questions, please call.

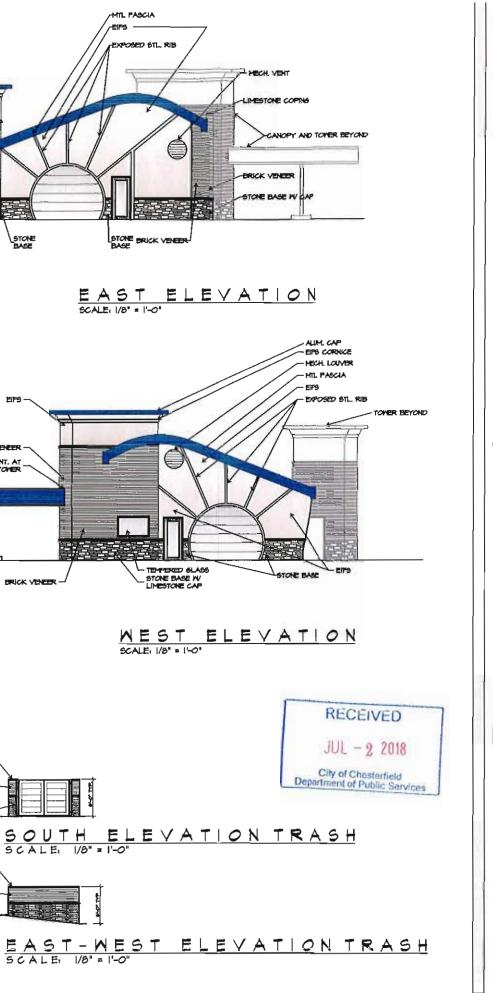




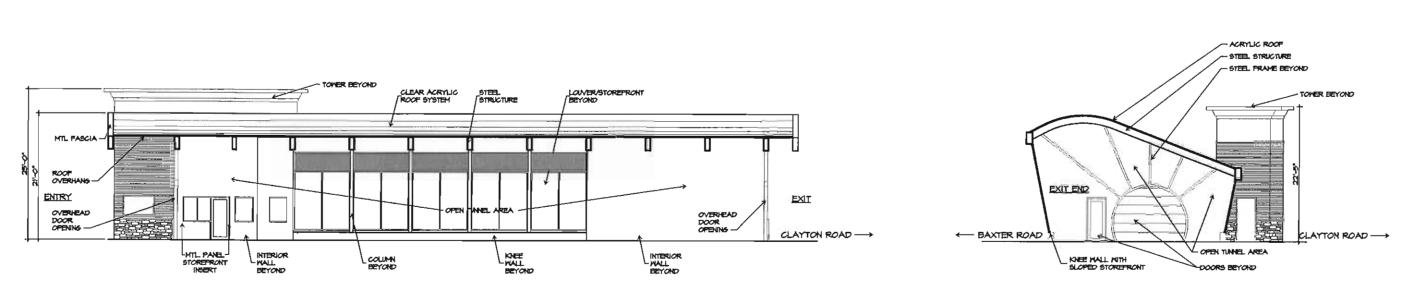
SOUTH ELEVATION SCALE: 1/8" = 1'-0"







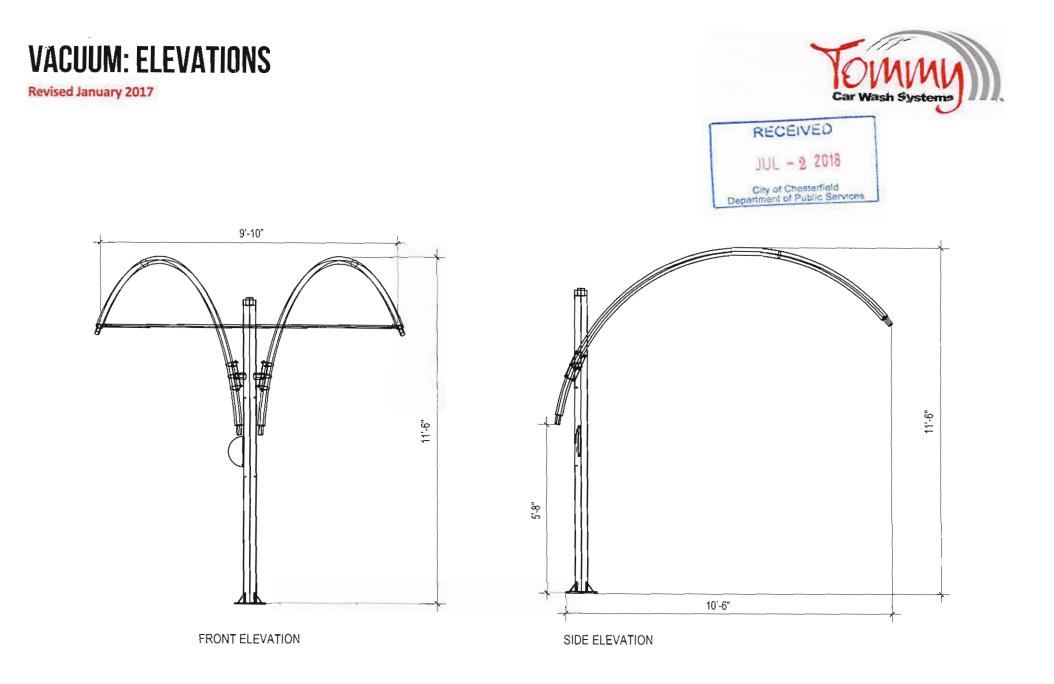




SECTION LOOKING NORTH

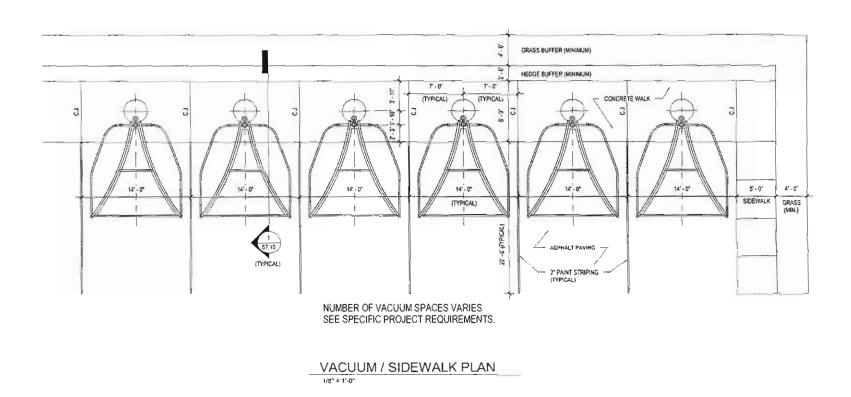






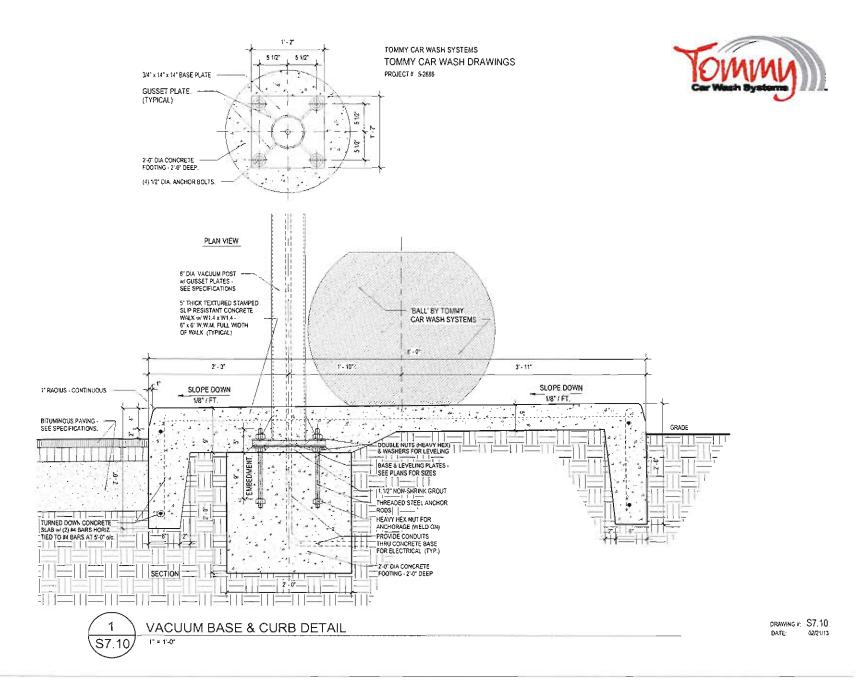
TOMMY CAR WASH SYSTEMS TOMMY CAR WASH DRAWINGS PROJECT # 5-2686





.

DRAWING # \$7.09 DATE: 03/22/13

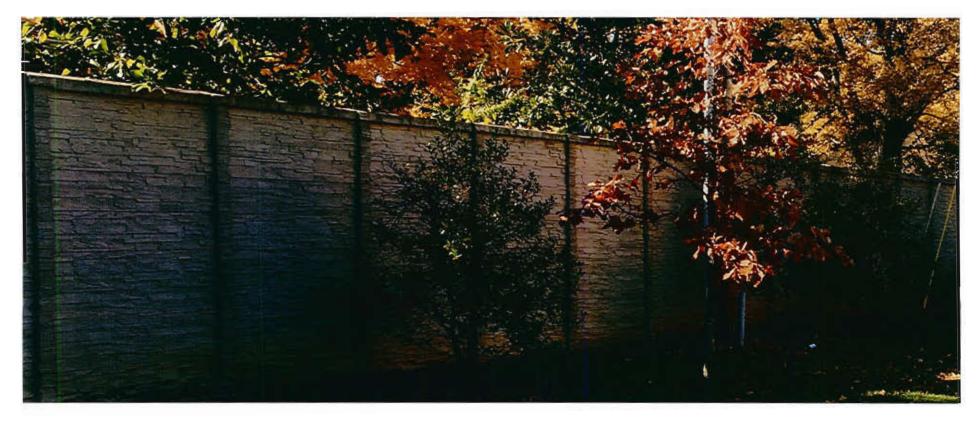


# SITE ELEMENT EXAMPLES

**RETAINING WALL** 



# ARTISAN FENCE



TRASH ENCLOSURE







# ARCHITECTURAL BUILDING MATERIALS

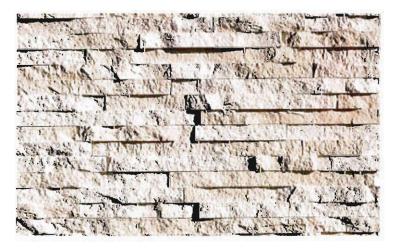
#### **Chesterfield Brite Worx Materials**



Dryvit, 111 Prairie Clay



Meridian Brick, Canada Architectural Series, Adelaide Smooth Ironspot



Eldorado Stone, Europen Ledge, Linen



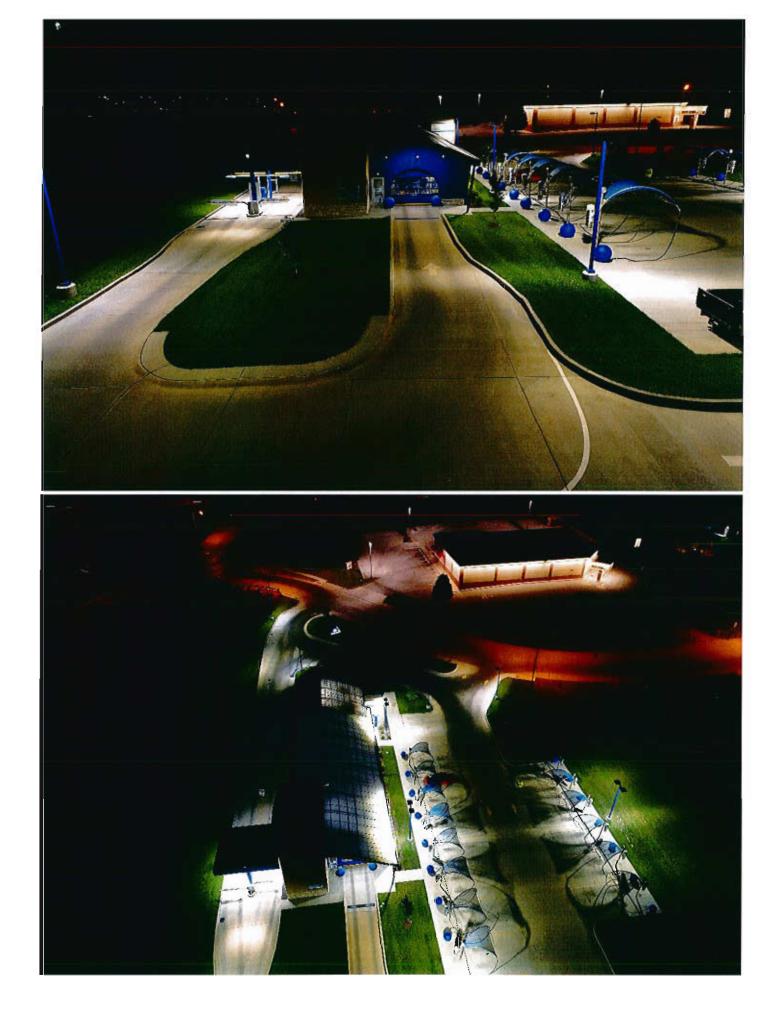


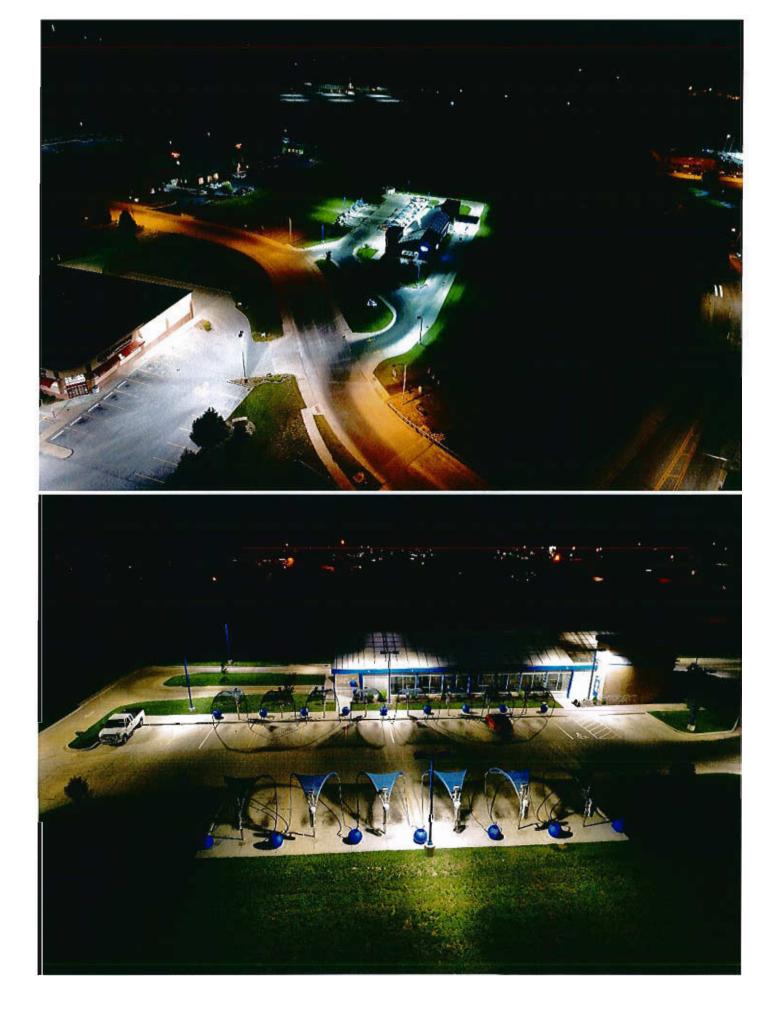


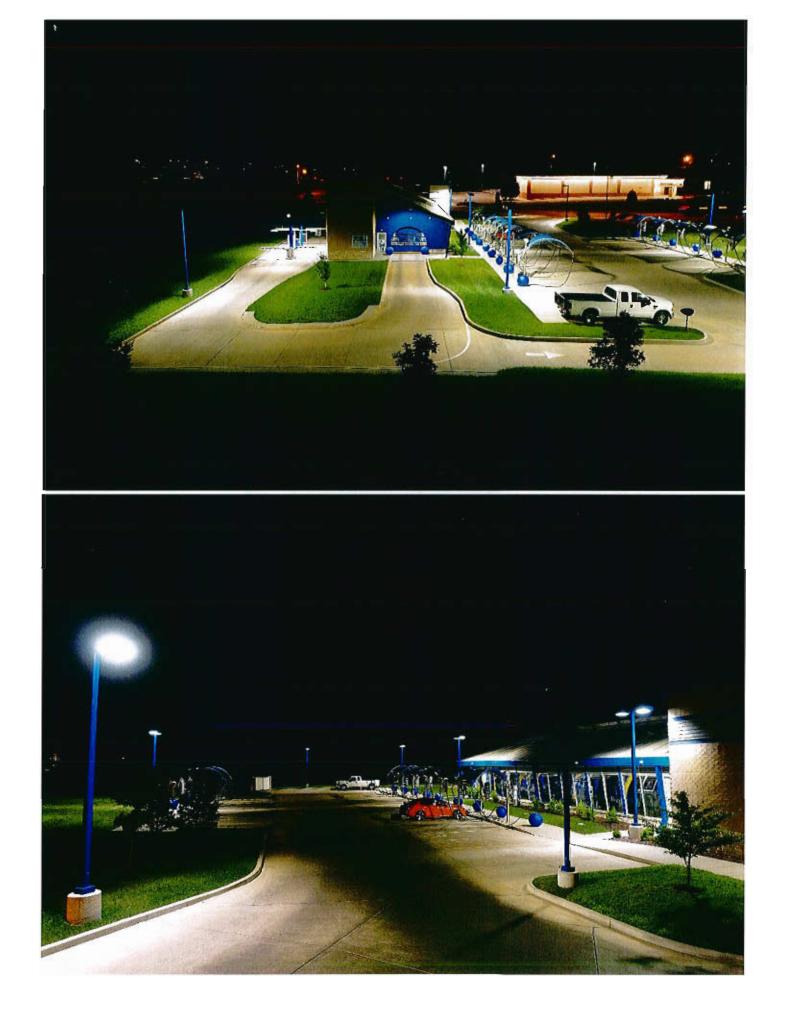


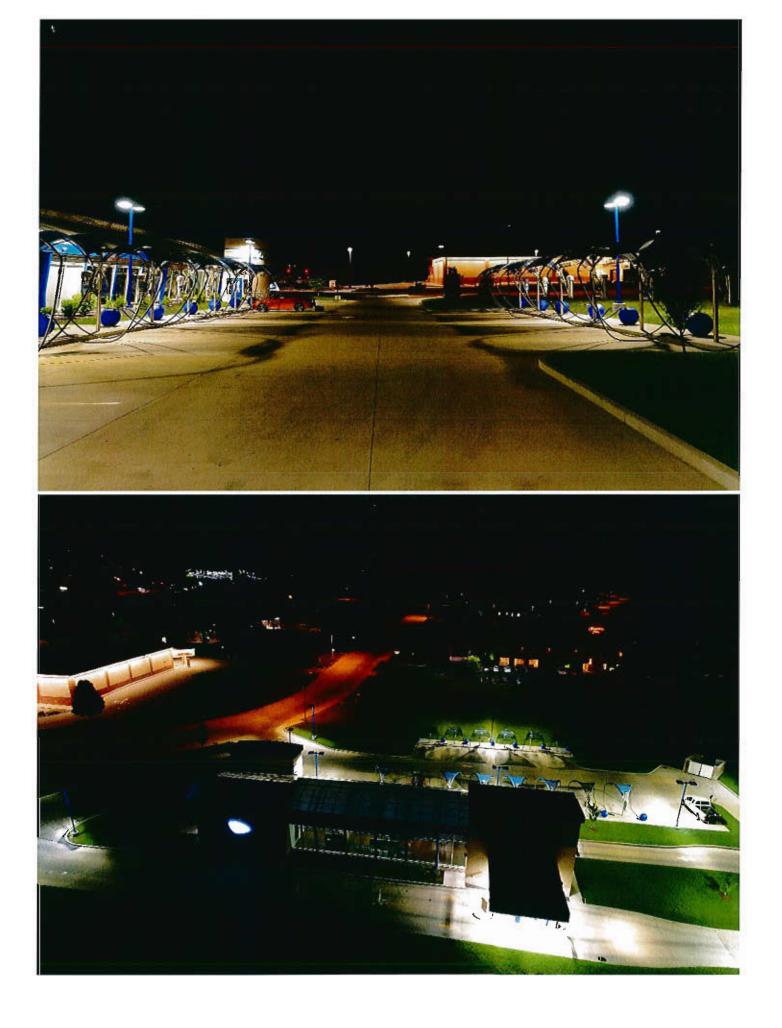












#### Cassandra Harashe

From:	Debbie <dbrbeb3@gmail.com></dbrbeb3@gmail.com>
Sent:	Wednesday, July 04, 2018 4:42 PM
То:	Dean.Berger@metaltek.com; Dan Hurt; Michael Moore; Cassandra Harashe; Robert
	Goldsmith; Rob Garrison; Dick Goldbaum; Skip; Bruce Affleck
Subject:	Briteworx Carwash
Follow Up Flag:	Follow up
Flag Status:	Flagged

Although we have attended every meeting concerning the Briteworx carwash we will not be able to attend the Chesterfield County Council Meeting this July 9. We would like to apprise you of the ongoing situation as we see it.

We never thought this corner of Baxter and Clayton should be allowed to have a tunnel carwash with outside vacuums. We were told this was a better solution to having a 24 hr. gas station/ carwash and convenience store. And if we did not accept this the Wallis company was prepared to sue Chesterfield.

Then and now our concerns are traffic at the intersection, noise pollution, and an undesirable architectural fit for our neighborhood. One of our concerns has been realized. Two traffic accidents have happened recently. On June 1 a fatal accident occurred at Baxter and Clayton in front of the Golds Gym. Two people died in that accident. Two weeks later a three car accident occurred in front of the Mobil station on Baxter. Thankfully we are not aware of any injuries and no one was walking on the sidewalks.

The Wallis Company will never be held accountable for any accidents. But lets be honest, putting more traffic congestion will not help our neighborhood of homes, schools and retail be any safer.

The Wallis Company in one of our meetings assured us that the architecture of this tunnel carwash would not look like the prototype Briteworx on Lindbergh Rd. They even promised us they would use building material that would make it resemble the center where the restaurant Mia Sorella is located. That way it would blend with our neighborhood and not look like it belonged on Manchester Road. We were at the last architectural meeting and the renderings of this Briteworx Carwash look to be extremely similar to the one on Lindbergh. There was no toning down of the garish blue detail.

One of the members of the Chesterfield architectural review board pointed out that the ceiling of the carwash at night would look like a lighted spaceship.

We are asking that the council members and the architectural review board to please hold the Wallis Co accountable for how this carwash blends into our neighborhood. We have residential homes on two sides of this building, and once you drive past this site there are more homes, schools, and churches. This is not Manchester Road. It does not need to have the garish blue colors to attract attention.

We also hope that Chesterfield will make the Wallis Company keep up the standards of the property and appearance of the Carwash. You only have to look at the Mobil station that they own on this property to see our concerns. Sincerely,

Debbie and Dean Berger 2457 Baxton Way Chesterfield, Mo 63017

Sent from Mail for Windows 10

### Cassandra Harashe

Subject:

FW: Briteworx Carwash

From: Debbie Berger [mailto: Sent: Wednesday, May 16, 2018 4:33 PM To: Barbara McGuinness <BMcGuinness@chesterfield.mo.us>; Dan Hurt <DHurt@chesterfield.mo.us>; Cassandra Harashe <CHarashe@chesterfield.mo.us> Cc: Robert Goldsmith < > Subject: Re: Briteworx Carwash

Cassie, Chesterfield City Council

My wife and I attended the architectural review meeting Thursday May 10 and witnessed the presentation by the Wallis group for the Briteworx carwash.

We have been part of almost every meeting as this has progressed and we were disappointed in what the final renderings offered.

From the very first meeting we had with the Wallis Company we were led to believe this Briteworx Carwash would look like the carwash on Lindbergh road. We visited it several times and thought it was too garish for our neighborhood. Several meetings later where we had residents and councilmen they told us when asked about the architecture that they had no idea what this new Briteworx would look like. They indicated they would build it to fit our neighborhood. We assumed they would be true to their word and tone it down. They even said they would try to make it look like the strip mall at Clayton and Henry roads. But It basically looks exactly like the Briteworx on Lindbergh Blvd.

All along it has been our hope that if this was to go through, at least it would be designed in such a way that it would blend into the neighborhood. Two sides of the carwash abut to residential areas, and the other commercial businesses

on the corners are all neutral structures.

Their presentation did address some of the issues and included earth tone brick and stone which fit into the area. The amount of stone they are using is very minimal. We are concerned about the blue. It really needs to be eliminated.

We had made it clear to Wallis that the bright blue trim needed to be reduced or eliminated completely, but we see it is still predominate in the rendering.

This might be needed to attract attention had this been on Lindbergh or Manchester Road, but not on Clayton and Baxter. Look at the WaterWay Wash on Clayton and Woodsmill, it is brick with very little accent colors.

We had hoped that the only blue would be part of the signage on the property.

Speaking of signage, we did not see where they presented anything on signage. We would hope that the architectural committee would require that the signage be presented for review.

If present and past behavior is any indication of how the Wallis Company will treat this property we have to make certain they start from the beginning with an aesthetically pleasing building. You only have to look at how poorly the Wallis Company has maintained the Mobil station to understand our concerns are serious.

Respectfully,

Dean and Debbie Berger

### Cassandra Harashe

Importance:

Subject:	FW: Letter of concern
Attachments:	Article for West County Magazine.docx

High

From: Richard Goldbaum [mailto:] Sent: Tuesday, May 22, 2018 3:42 PM To: Michael Moore <MMoore@chesterfield.mo.us>; Barbara McGuinness <BMcGuinness@chesterfield.mo.us>; Dan Hurt <DHurt@chesterfield.mo.us> Cc: Cassandra Harashe <CHarashe@chesterfield.mo.us>; 'Debbie Berger' < >; Bob Goldsmith < Subject: Letter of concern Importance: High

The Dan Hurt, Michael Moore and Barbara McGuiness,

As a residents of Woodfield subdivision, we have made it our responsibility to stay informed about the proposed changes to the Baxter and Clayton property which is now a Mobil station. The proposed car wash has been a point of concern for Woodfield residents for a long time. We and many of our neighbors have spent many hours going to meetings related to the Wallis Company's efforts to build a Briteworx Carwash on that corner. With the outstanding help from our City Councilmen, Dan Hurt and Randy Logan, many substantial changes were finally made to the first proposal.

Now it has come to our attention that significant architectural changes that we thought had been agreed to are not reflected in the proposed architectural renderings for the project. Specifically, we are concerned that the proposed structure will be totally out of context to the architectural integrity of Clayton Rd. As we mentioned in our letter to the editor of the West County Magazine, Clayton Rd. is an iconic treasure in West St. Louis County. A trip from 141 to Clarkson Rd. takes one through both commercial and residential neighborhoods. Churches and schools are also proudly positioned along that prestigious roadway. There are even other car washes on that stretch of Clayton Rd. They easily blend into the environment, to a point that some drive by them not even realizing they are there. All we are asking is that Briteworx be designed to complement the Clayton Rd. architectural culture.

Please require that they reduce, if not eliminate, the gaudy bright blue trim. Add more brick similar to those used in the commercial buildings on the south west corner of Clayton and Henry. The rendering of the Clayton and Baxter Briteworx does not reflect what the signage will look like and where it will be located. That is an important factor that needs your review.

We thank you for your consideration and commitment to keeping Chesterfield and Clayton Rd a place we can all be proud of.

Sincerely,

Dick & Jo Ann

Richard and Jo Ann Goldbaum 2371 Baxton Way Chesterfield, MO 63017