



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

Architectural Review Board Staff Report

Project Type: Site Development Section Plan

Meeting Date: March 10, 2016

From: Jessica Henry, AICP

Project Planner

CC: Aimee Nassif, Planning & Development Services Director

Location: Southeast corner of Ladue Road and Greentrails Drive.

Applicant: St. Charles Engineering & Surveying, Inc. on behalf of Onofrio Serra

Description: Trails West Village of Greentrails, Lot 270 B: A Site Development Section Plan,

Landscape Plan, Lighting Plan, Architectural Elevations and an Architect's Statement of Design for a 3.6 acre tract of land zoned "C-8" Planned Commercial District, located at the southeast corner of Ladue Road and Greentrails Drive.

PROPOSAL SUMMARY

The request is for a Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and an Architect's Statement of Design for a new retail center to be located on Lot 270 B of the Trails West Village of Greentrails subdivision. Although this subdivision is primarily residential in nature, Lot 270, outlined in yellow on the image on the following page, is zoned "C-8" Planned Commercial District. Accordingly, the applicant is proposing to construct a 4,000 square foot building with four separate entries to tenant spaces. The proposed building is to be constructed of brick veneer, split-face CMU, dark bronze metal roof and fascia, stone coping tile, and a dark bronze anodized aluminum and glass storefront.

HISTORY OF SUBJECT SITE

In December of 1966, St. Louis County rezoned the subject site from the "NU" Non-Urban District to the "C-8" Planned Commercial District via Ordinance 4165 and established the permitted uses as being all permitted uses in the "C-2" Shopping Districts. In June of 1969, Ordinance 5084 amended the previous ordinance to limit the permitted uses to "C-2" Shopping District permitted uses as well as one neighborhood gasoline service station. On February 4th, 1985, St. Louis County approved Ordinance 11,900 which amended St. Louis County Ordinance 5084 and 4165 which had governed the site.

On November 20, 1989, The City of Chesterfield approved Ordinance 378 which amended portions of the sign requirements for the site. Additionally, the original Lot 270 was split into Lots A and B in 1986, with Lot A being further subdivided into Lot A1 and A2 in 2007, as shown in the image below. Lot 270 B is presently vacant with remaining portions of a parking area that are in disrepair.



STAFF ANALYSIS

General Requirements for Site Design:

A. Site Relationships

The subject site is located within the small commercial development that comprises the southeast quadrant of the intersection of Ladue Road and South Greentrails Drive. The three lots within the development share cross access, and Lots 270 A1 and A2 currently contain a neighborhood service station and commercial retail building, respectively.

B. Circulation System and Access

The subject site has direct access from South Greentrails Drive as well as access from Ladue Road via the shared internal drive. No changes to the location of these access points are proposed. Internal circulation to each lot within the development will remain, and minor changes within the lots and to the shared drive areas are proposed in an effort to facilitate and improve circulation.

2 | P a g e

C. Topography

The subject site will be graded to maximize the building and parking area. This will result in a height differential from grade and a CMU block wall and elevated walkway is proposed along the rear elevation to address this differential. Additionally, there is a significant slope down to a creek along the southern property line. The creek is protected via a required 25 foot buffer from the top of the bank.

D. Retaining Walls

A concrete retaining wall is proposed along the parking area adjacent to the creek buffer mentioned above. Additionally, as discussed above, a CMU wall with an elevated walkway is proposed along the rear elevation of the building.

General Requirements for Building Design:

A. Scale

The proposed single story building is 14' 8" in height and is designed to the pedestrian scale, with a split-face CMU base around all four sides of the building. The metal roof and fascia provide an overhang over the glass storefront entries. The scale of the building is consistent with the surrounding development.

B. Design

The building is rectangular shaped and evenly divided into four storefronts. Apart from the metal roof and fascia element, the building lacks articulation. The applicant has provided material variation and architectural interest via the use of reveal bands and a brick soldier course within the upper brick portion of the building. A stone sweep band is sandwiched between the brick veneer and CMU.

In the Architectural Elevations and rendering, the parapet is shown as being extended around the building. However, the Architect's Statement of Design states "there will be no parapet on the rear of the building." The inclusion of a parapet wall on the rear façade as shown in the elevations would provide consistency to the design on all sides while also providing screening to the lower portion of the roof top mechanical units.

C. Materials and Color

Ordinance 378 states that submittals for buildings within this development should "show the architectural character of the neighborhood and how the buildings blend in and complement the surrounding residential neighborhood." In an effort to meet this requirement, the applicant is proposing to utilize brick veneer on all four elevations of the single-story building. The proposed colors are appropriate for the neighborhood character. However, the metal fascia, flat roof, and use of CMU block are not typical to residential neighborhoods and traditional neighborhood design.

A glass storefront is proposed, with the bottom panel called out as "bronze insulated panel" on the Architectural Elevations. However, the call-out is visibly inconsistent with the actual elevations and rendering, which clearly show a glass panel. Staff does not have a concern with these panels being either glass or a bronze insulated panel considering both materials/colors are used elsewhere on the building; however, the inconsistency must be addressed prior to Planning Commission.

3 | Page

The proposed dumpster enclosure utilized the same CMU split face block with a wooden gate enclosure.

D. Landscape Design and Screening

As required by the UDC, a thirty foot landscape buffer and berm planted with trees, shrubs, and ornamental grasses is provided along the South Greentrails Drive frontage. This will serve to buffer the adjacent residential area from the commercial use of the site and to provide screening from headlights. Additional trees and plantings are located within the parking area in accordance with City code.

The applicant is proposing a screen unit for the roof-mounted mechanical equipment. Although this screen unit is shown as being constructed of wood on both the Architectural Elevations and rendering, the checklist included in the submittal packets indicates that the screen "will use the standing steel material instead of wood." This information was not presented to Staff prior to receipt of the meeting packet and depending on the design could be a concern.

Regarding roof top screening of equipment, the City's Architectural Review Design Standards state the following:

• Screen rooftop equipment on all visible sides with materials that are an integral part of the architecture. Parapet walls or screen walls shall be treated as an integral part of the architecture and shall not visually weaken the design of the structure.

Due to the residential nature of the surrounding development, Staff requested that a sight-line study be provided related to the proposed mechanical screening; however, the applicant has elected not to provide this document. The roof-top screening, including the apparent change in material, remains under review by Staff and input on this item from the Architectural Review Board is encouraged.

Proposed Architectural Elevation—Front and Rear Elevations





4 | Page

E. Signage

Signage is not part of the proposal before Architectural Review Board and will be reviewed separately by Staff.

F. Lighting

The applicant is proposing nine wall mounted light fixtures and seven pole mounted fixtures. Each of these fixtures is utilitarian in nature and features fully-shielded, full cut-optics as required by the UDC.

DEPARTMENTAL INPUT

Staff has reviewed the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design and has found several inconsistencies and issues with the submittal, as discussed throughout this report.

This project is still under review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed. Staff has issued comments to the applicant regarding the concerns in this report throughout the review process which has been conducted over approximately 12 months. Despite these comments, the applicant has requested to be placed on the agenda for ARB review and Staff is therefore presenting this to the board with the acknowledgement of Staff concerns noted throughout this report. All recommendations made by the ARB will be included in Staff's report to the Planning Commission.

Staff requests action on the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Trails West Village of Greentrails, Lot 270 B.

MOTION

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

- 1) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Trails West Village of Greentrails, Lot 270 B, as presented, with a recommendation for approval (or denial) to the Planning Commission."
- 2) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Trails West Village of Greentrails, Lot 270 B, to the Planning Commission with the following recommendations..."

Attachments

1. Architectural Review Packet Submittal



MAR - 2 2016





ARCHITECTURAL REVIEW BOARD Project Statistics and Checklist

Date of First Comment Letter Received from the City of Chesterfield January 28, 2015
Project Title: 116 Greentrails Drive Location: Ladue Road and Greentrails Drive Onofrio + Lucretia
Developer: Serra Architect: Derut Associates Engineer: 5t. Charles Engineering + Surveying, Inc J
PROJECT STATISTICS:
Size of site (in acres): 1.11 Ac Total Square Footage: 4,000 Building Height: 14 - 8
Proposed Usage: Commercil, Retail and Restaurant Space
Exterior Building Materials: CMU Base + Brick top in front and sides,
Roof Material & Design: Bronze standing metal awning on front and sides EPDM on roof,
Screening Material & Design: Screeing as designed to match surrounding area and will use the standing steel material instead of wood
Description of art or architecturally significant features (if any): Architectural features
to reflect the existing fabric of the area
ADDITIONAL PROJECT INFORMATION: Front and two sides will have
standing metal awning + roof top screeing will be of same material
Checklist: Items to be provided in an 11" x 17" format
Color Site Plan with contours, site location map, and identification of adjacent uses.
Color elevations for all building faces.
Color rendering or model reflecting proposed topography.
Photos reflecting all views of adjacent uses and sites.
Details of screening, retaining walls, etc.
Section plans highlighting any building off-sets, etc. (as applicable)
Architect's Statement of Design which clearly identifies how each section in the Standards
has been addressed and the intent of the project.
Landscape Plan.
Lighting cut sheets for any proposed building lighting fixtures. (as applicable)
Large exterior material samples. (to be brought to the ARB meeting)
Any other exhibits which would aid understanding of the design proposal. (as applicable)
Pdf files of each document required.





ARCHITECTS

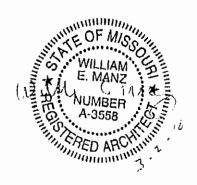
ENGINEERS

CODE COMPLIANCE

PLAN REVIEW

COMMISSIONING

116 GREEN TRAIL S. CHESTERFIELD, MO



ARCHITECTURAL OVERVIEW

The proposed retail building is a one story masonry structure with a flat membrane roof combined with metal in the front. The building footprint is measured 100'-0"x 40'-0" with a total of 4000 gross square feet. The structure is designed to accommodate four commercial retail units. Each unit is 860 SF of 23'-11 1/4"x38'-2 ½" net. The total net area is 3404 SF combined. Each unit is equipped with an ADA accessible restroom, a storefront system and a rear exit door as additional means of egress.

The existing buildings in the commercial strip are an eye sore; they are in terrible shape. However, the commercial strip is located in a piece of land that is surrounded by a well-maintained housing community. It is the only commercial center in the area and it is also well-traveled by the community families and people from other areas. Therefore, the newly proposed retail building will function as the heart of the retail center to complement the existing businesses in meeting the commercial needs of the community residents and the travelers from other areas. It will provide a unique and exciting opportunity, as it will not only enhance the look of the area, but it will help the existing businesses in getting new clients.

Although the existing commercial buildings are not well-maintained, the new building and the proposed services will attract people to their business, which will motivate the existing owners to improve the appearance of their buildings. The new building and the proposed services will appeal to a range of age group including young families and empty nesters and seniors. It is highly expected that based on the needs of the area, the people in the community will be excited and very enthusiastic ahout the new building and its use in the area. The following are the partial architectural features of the new building:

2020 North Broadway, St. Louis, MO 63102 Telephone: 314-574-5770

WALLS:

The exterior of the building is designed to reflect the architectural fabric of the surrounding area with quality materials to enhance its appearance. The front and the two sides of the building will be built with brick veneer (SIOUX CITY BRICK CAMBRIDGE COLONIAL that will be provided with three reveal bands and one soldier band. The brick will be rested on stone sweep band (INDIANA BLUFF SAWN) with a 3'-0" high split-face CMU watertable wall (NATURAL). The parapet will be built of the same material with stone coping reflecting the sweep band material and color. The rear of the building will be built with split-face CMU wall, reflecting the same color as the watertable wall on the three sides. There will be no parapet on the rear of the building. The retaining walls will be built with CMU (CHARCOAL) to create contrast between the building and the site.

DOORS AND WINDOWS:

Each unit entrance will receive a storefront system made out of 2"x5" Dark Bronze Anodize Aluminum. The bottom of the each storefront system will be provided with Bronze Insulated Panel instead of glass. The rear door will be made out of hallow core metal with metal frame painted to match the grey wall.

ROOF:

The roof structure will be flat covered with membrane roofing, which will be sloped to the rear of the building. Gutter and downspouts will be provided at the rear to channel the water. The front of the building will receive a dark bronze metal roof and fascia with formed battens 2'-0" O.C.

ROOF SCREEN:

The mechanical condensing units will be located on the roof and rested on a curb. A wood screening system will be built to screen the condensing unit from view. The screen will be painted grey to match the CMU.

EXTERIOR STAIR and HANDRAIL:

Exterior stair will be made out of concrete with tubular metal handrail on both sides. Handrails will be provided where platform elevation is higher than 1'-0"

SITE

The site will be graded to provide maximum usable area for the building and parking. Accessible parking stalls will be located at the front of the building with an accessible ramp to allow wheelchair access into the building. Sidewalk will be provided on all four sides of the building to provide access from all corners of the site.

2020 North Broadway, St. Louis, MO 63102 Telephone: 314-574-5770

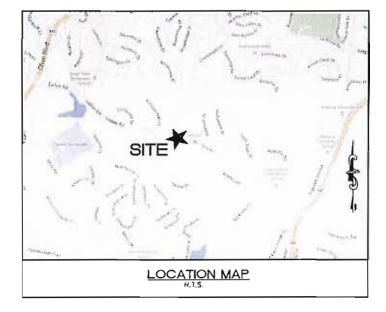
[Name of Owner(s)]	, the owner(s) of the property shown on this plan for and in
Section 03. (applicable subsection) (prese Code, do hereby agree and declare that said developed only as shown thereon, unless said	d plon to develop property under the provisions of of City of Chesterfield Unified Development not coning) property from the dole of recording this plon sholl be plon is omended by the City of Chesterfield or e City of Chesterfield.
woided or vocated by order of ordinance of th	e City of Chesterfield Councit. (Signoture):
	(Name Typed):
State of) SS.	, , , , , , , , , , , , , , , , , , ,
County of)	
On this day of	A.O., 20 before me personally appeared to me known, who, being by me sworn in, did say
that he/she is the(Title) corporation in the State of	of o (Nome of Corporation) ond that the seed affixed to the foregoing instruments that said instrument was eigned on behalf of said
acknowledged sold instrument to be the free o	(Officer of Corporation)
Slote of)	
County of	A.O., 20, before me personally appeared
(Enginedical)	(#(16)
that he, she or they executed the same as his	
In Testimony Whereof, I have hereunta set my I (County and State)	hand and offixed my Natorial Seal at my Office in ay and year tast above written.
My term expires	
	(Notory Public)
This Site Development Plon was approved by the	
duly verified on the day of Commission, authorizing the recording of this Sr	
•	Manning and Development Services Director and The
Cily Clerk	
Airnee Nassil, AICP Planning and Development Services Director City of Chester Field, Missouri	
Vickie Hoss, City Oerk City of Chesterfield, Missouri	
SURVEYOR'S CERTI	FICATE .
THIS IS TO COPTEY THAT ST. CHARLES ENCINCERING AM FOR FIG EXCUSIVE USE OF CHORING A LUCKETA SERR EXECUTION A BOUNDARY & FORORAINE, SHAPEY OF "I NORTHE RANCE 1 LAST, ST (COES COUNTY, MISSOURS, THE WITH CHAPTER IS "MISSOURS IMMINION STANDARDS FOR C CSP. 2020–18.010–18.110)."	A DURING THE MONTH OF JUNE, 2014 IS GREENTRAKS DRIVE", TOWNSHIP 45 IS SURVEY WAS PREPARED IN ACCORDANCE
RICHARD KETH SEDONINN HD. P.L.S. (2002014094	DAIE
COMPLIANCE WITH GEOTE	
PREPARED THE PLAN ON THIS SHEET. THE SRIP OF THE PROPERTY ON THIS SHEET. THE SRIP SHEET SHEET THE SHEET SHEE	UNDERSIGNED ENGINEER HAVE HOT THE UNDERSIGNED PROFESSIONAL AND IS A EXPROSED HAS DEVENEED THE PLANS AND
AS SHOWN ON THE PLANS, AS WELL AS THE TOURI AND GEOLOGIC CONDITIONS AT THE SHE AS DESCRI THE DEVELOPMENT DATED	NIS RELATED TO SLOPE CONSTRUCTION DATIONS, ARE COMPATIBLE WITH THE SOL BED IN THE GEDTECHNICAL REPORT FOR
THE SELECT STREET	CHED ASSUME NO RESPONSIBILITY FOR
AND THE UNDERSH	GNED ASSUME ND RESPONSIBILITY FOR 1). NTATION OF THE CRADING PLAN SHALL BE
AND THE UNDERSISERVICES BY DTHERS (PURSUANT TO RISMO 327.41) CONSTRUCTION MEANS AND METHODS FOR IMPLEMO LEFT TO THE DEVILOPER/CONTRACTOR. OBSERVATION TO COMPUNACE WITH THE APPLICABLE SPECIFICATIONS	GNED ASSUME ND RESPONSIBILITY FOR 1). NTATION OF THE CRADING PLAN SHALL BE
AND THE UNDERSISERVICES BY DTHERS (PURSUANT TO RISMO 327.41) CONSTRUCTION MEANS AND METHODS FOR IMPLEMO LEFT TO THE DEVILOPER/CONTRACTOR. OBSERVATION TO COMPUNACE WITH THE APPLICABLE SPECIFICATIONS	CHED ASSUME ND RESPONSBILITY FOR 1). NIATION OF THE CRADING PLAN SHALL BE INS OF THE OLYELOPER/CONTRACTOR'S SHALL BE IDENTIFICO AND VERIFIED IN

Call BEFORE you DIG

1-800-344-7483

AMENDED SITE DEVELOPMENT SECTION PLAN 116 GREENTRAILS DRIVE

LOT B OF THE RESUBDIVISION OF LOT 270 OF TRAILS WEST SECTION OF GREEN TRAILS SUBDIVISION TOWNSHIP 45 NORTH, RANGE 4 EAST ST. LOUIS COUNTY, MISSOURI



PERVIOUS / IMPERVIOUS DIFFERENTIAL CALCULATION

EXISTING IMPERVIOUS	
PROPOSEQ IMPERMOUS	
OFFERENTIAL IMPERVIOUS(+0.10 AC PERVIOUS(-0.10 AC	;)

15YR. - 20 MIN. DIFFERENTIAL CALCULATION

EXISTING IMPERVIOUS	
PROPOSED IMPERMOUS	
QIFFERENTIAL	

INDEX OF SHEETS

COVER SHEET	1
	2
	Y3-7
31E FR0103-	

GENERAL NOTES:

- I. PROPERTY OWNER: ONOFRID & LUCRETIA SERRA
- 2. SITE ADDRESS: 116 GREENTRAILS DRIVE CHESTERFIELD, MISSOURI 63017
- 3. ST. LOUIS COUNTY PARCEL ID NUMBER: 17R320372
- 4. AREA OF TRACT: 1.11 AC
- 5. CURRENT/PROPOSED ZONINC:C8
- 6. REQUIREO SETBACKS: 30° PARKING & LANDSCAPE GREENTRAILS 40° FRONT GREENTRAILS 40' SIDE - ALONG SOUTH PROPERTY LINE O' REAR - LOT B EAST PROPERTY LINE
- 7. PROPOSED USE: 2,000 SF=RETAIL 2,000 SF=RESTAURANT
- 8. PARKING & LOADING REQUIREMENTS AND PROVISIONS PER CITY OF CHESTERFIELD THE UNIFIED DEVELOPMENT CODE:
- 4 SPACES PER 1000 SF OF RETAIL SPACE 2000 SF RETAIL X 4 SPACES PER 1000 SF= 8 SPACES
- 12 SPACES PER 1000 SF OF RESTAURANT SPACE 2000 SF RESTAURANT X 12 SPACES PER 1000 SF= 24 SPACES
- 8. PER F.I.R.M. RATE MAP PANEL 29189C0145 H, THIS PARGEL LIES IN ZONE "X" AREAS BETERWINED TO BE OUTSIDE OF THE 500 YEAR FLOODPLAIN HAYIND AN EFFECTIVE DATE OF AUGUST 2, 1995.
- 9. AREA OF DISTURBANCE: 0.75 AC
- 10. PROPOSED RESTAURANT SHALL BE A SIT DOWN RESTAURANT
- 11. SIGN APPROVAL IS A SEPARATE PROCESS
- 12. ALL PROPOSED UTILITIES SHALL BE PLACED UNDERGROUND

UTILITY & SERVICE PROVIDERS

WATER: MISSOURI AMERICAN WATER COMPANY 727 CRAIG ROUS ST LOUIS, MISSOURI 63141 314-822-5846

Sanitary Sewer: Metropolitan St. Louis Sewer district 7350 Market Street St. Louis, Missouri 63103 314-768-6200

FIRE PROTECTION:
MONARCH FIRE PROTECTION DISTRICT
13725 OLIVE BLVD.
CHESTERFIELD. MISSOURI 63017
314-514-0900

ELECTRIC: AMEREN CORPORATION PO BOX 65149 ST LOUIS, MISSOURI 63168 314-342-1111

AT&1 13075 MANCHESTER ROAD, 3RD FLOOR DES PERES, MISSOURI 63633 636-220-2175

BENCHMARK

ST LOUIS COUNTY BENCHMARK

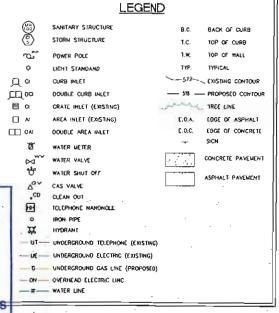
12-142 ELEVATION 523.91 - "SO." IN THE CENTER OF AN ISLAND AT SEABROOK
ORIVE (WEST ENTRANCE TO LADUE TRAILS); 10' NORTH OF THE CENTERLINE OF
WESTBOUND LANES OF LADUE ROAD.

SITE BENCHMARK

ELEVATION 515.20 - "OLD IRDN PIPE" AT THE SOUTHEAST CORNER OF THE INTERSECTION OF GREENTRAILS DRIVE AND LADUE ROAD. 30' EAST OF CENTERLINE OF GREENTRAILS DRIVE.

RECEIVED City of Chesterfield MAR - 2 2016

Department of Public Services



DEVELOPMENT
N PLAN
TRAILS DRIVE SITE I

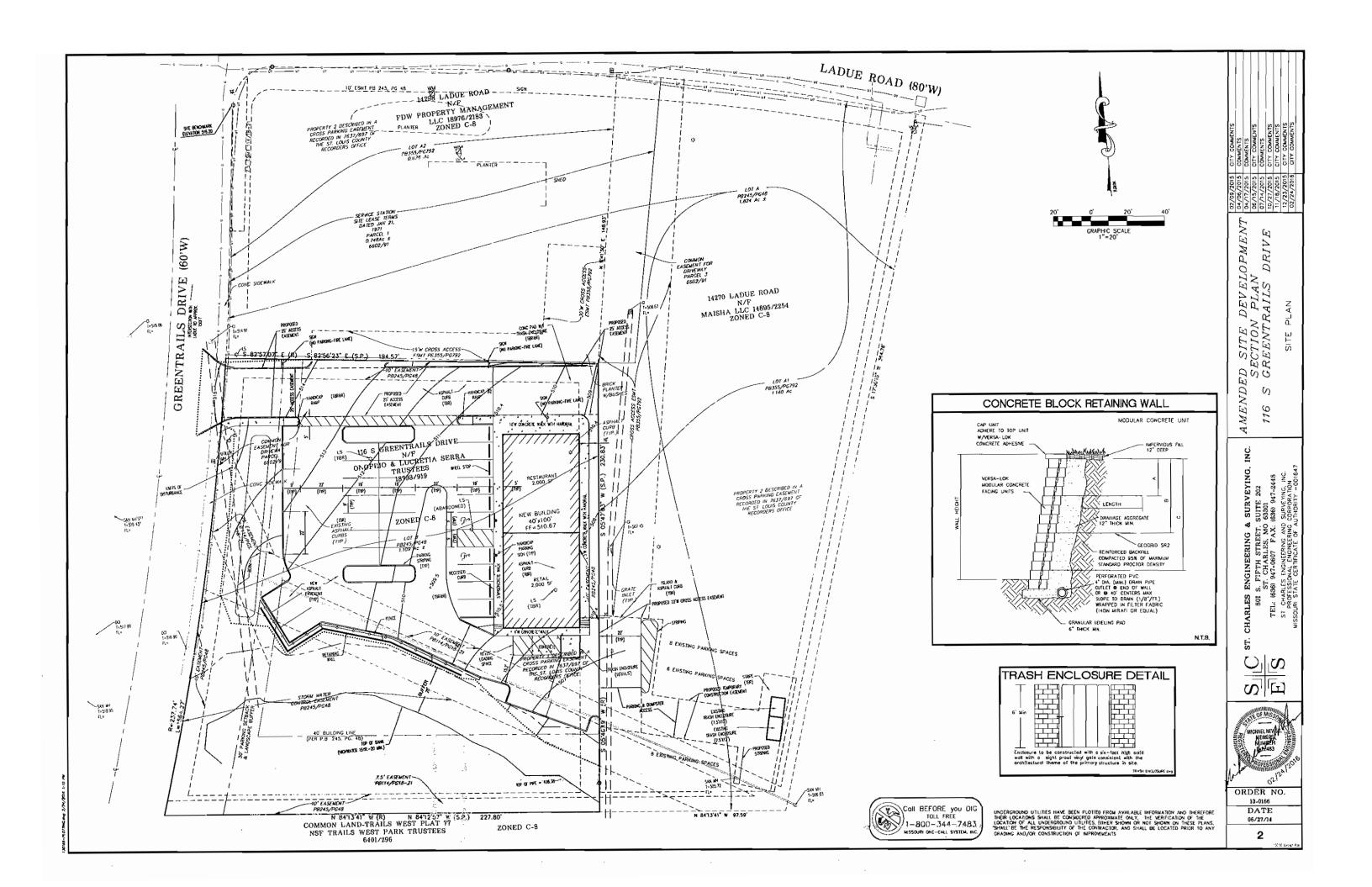
AMENDED SE 116 S GR INC

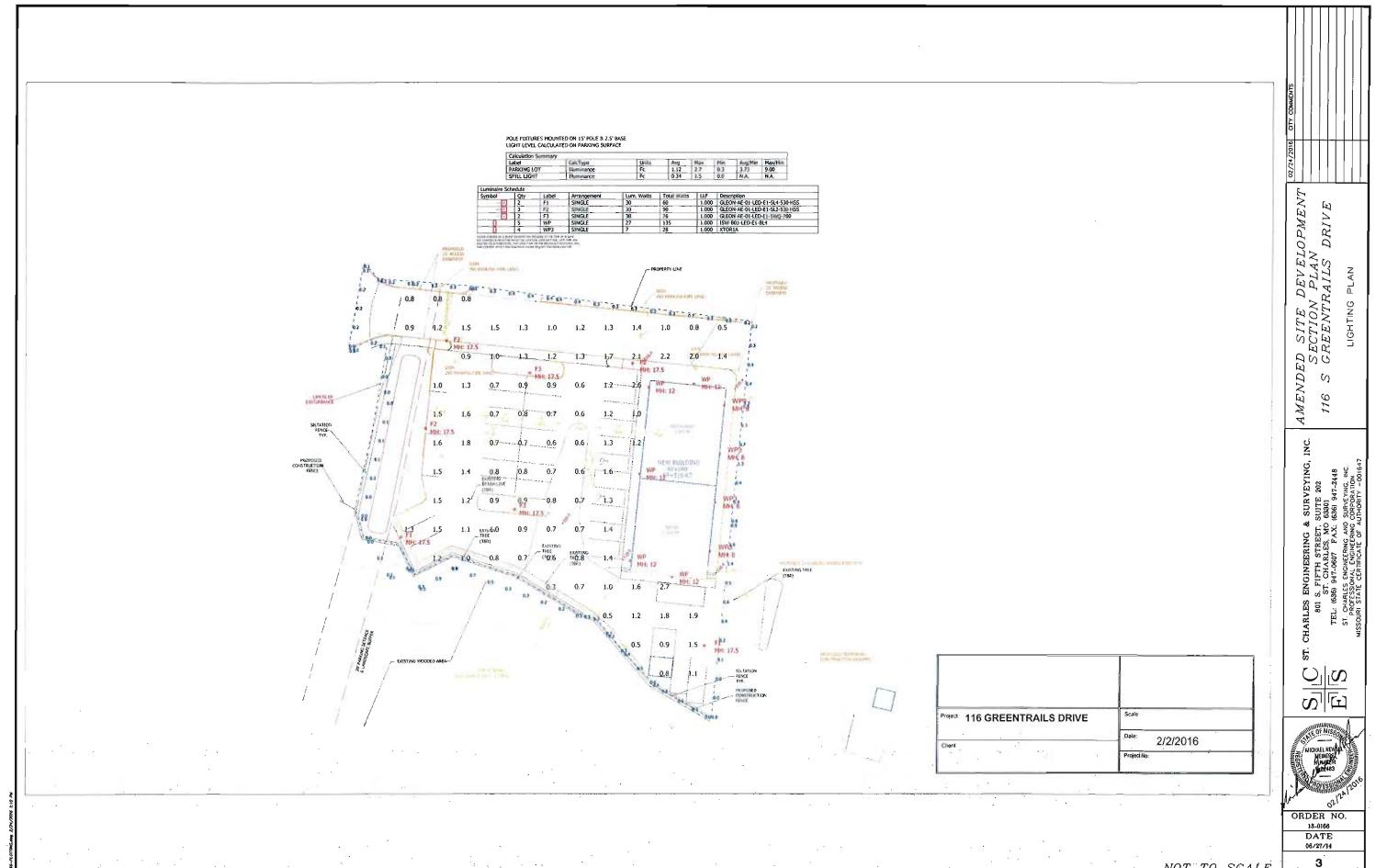
CHARLES 801 8

0 S) 国



ORDER NO. 06/27/14

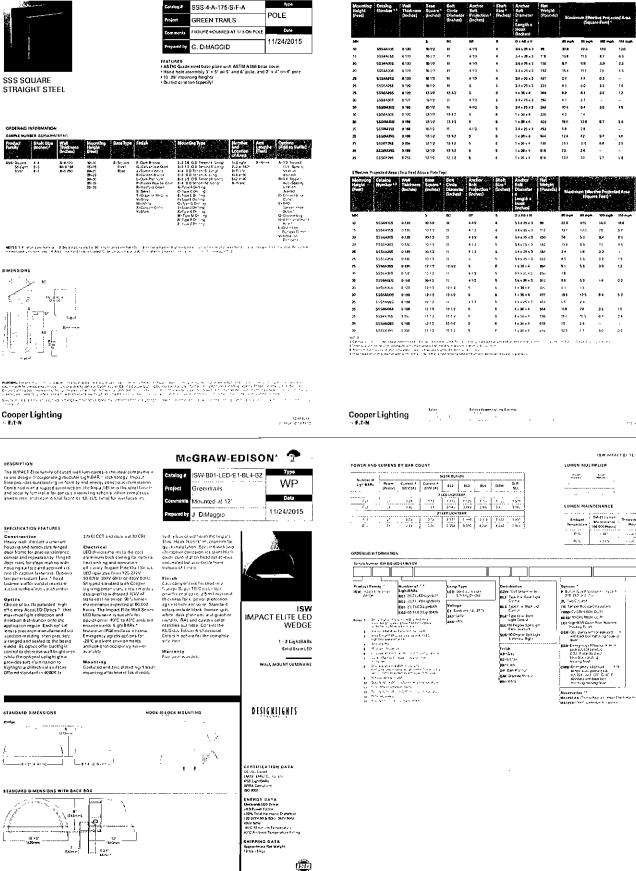




NOT TO SCALE



COOPER Lighting



COOPER Lighting

Bill Comfort on and a remain many training with a twice Anni Bill self-self at the accounts specifying seri. Customer Fact Central 1721 Halling 27 South Proceedings City (2) 2923 1723 455 (20) SAX 173 (25) 4301.

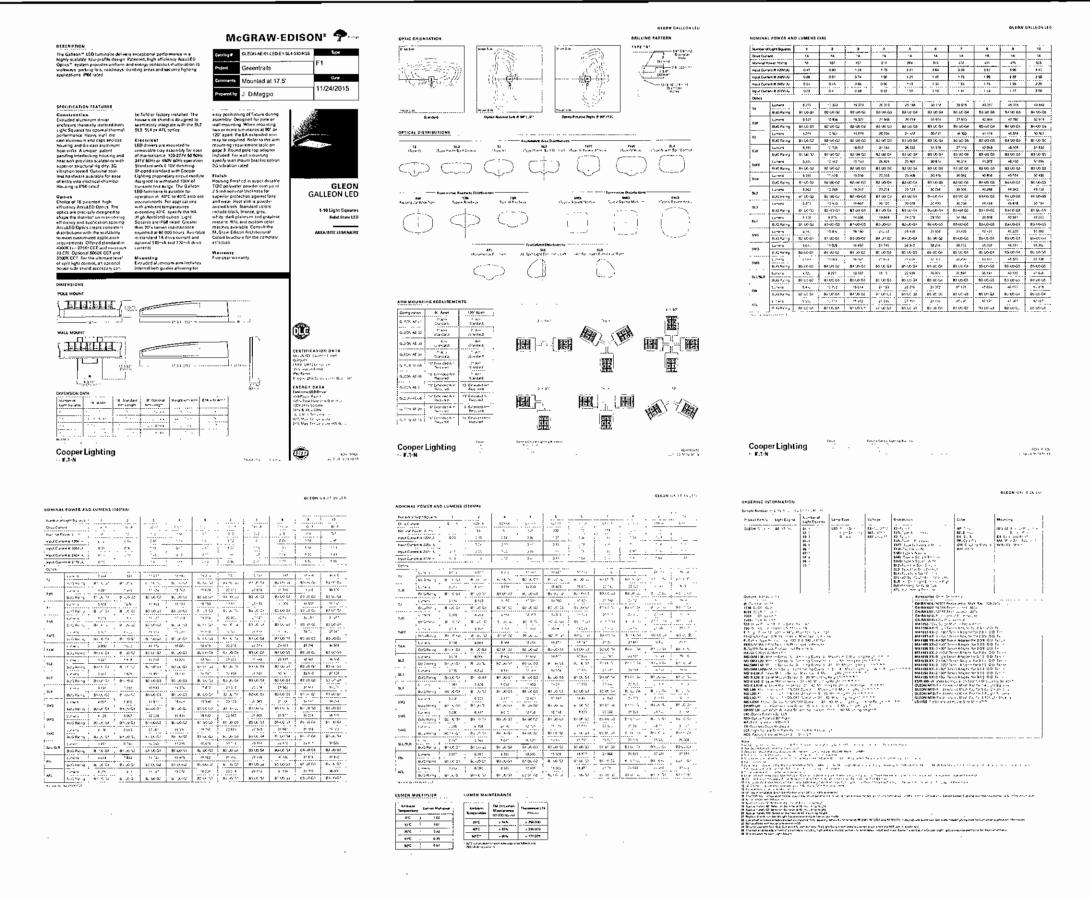
COOPER LIGHTING

Тура

SITE DEVELOPMENT ECTION PLAN REENTRAILS DRIVE $\mathcal{E}_{\mathbf{J}}$ PLAN AMENDED SE 116 S GR #[2][5782] 75] | 472[340] 2 NC ISW INFACT EL 15 LED WEIGH SUITE 202
SUITE 202
63801
(636) 947-2448
SURVEYING, INC. LUMEN MULTIPLIER the total CHARLES ENGINEERING & S
601 S. FIFTH STREET, SU
ST. CHARLES, MO 63
TEL: (636) 947-0607 FAX: (63
ST. CHARLES ENGINEERING AND SU
PROFESSIONAL EURIEERING CO
WISSOLIAR LORIERERING CO Options 1

Filters in a discount 1 (a.g. 1)

Filters in a discount 1 (a.g. ST. E \mathcal{O}_{1} ORDER NO. 13_0166 DATE 05/27/14 4



AMENDED SITE DEVELOPMENT SECTION PLAN 116 S GREENTRAILS DRIVE INC. SUITE 202
SUITE 202
SUITE 202
(636) 947-2448
SUNCYNG, INC
CORPORATION
AUTHORITY CONSETT RLES ENGINEERING & S
801 S. FIFTH STREET, SU
ST. CHARLES, MO 63
'EL. (636) 947-0607 FAX: (63
'EL. (636) 947-0607 OF PROFESSIONAL FONDEERING AND SL
PROFESSIONAL ENGHESPING OF AURHS STATE CERRITICATE OF AURHS CHARLES 1 ST

 ∞ \Box

PLAN

LIGHTING

02/24. ORDER NO. 13-0166 DATE

06/27/14 5

Cooper Lighting Constitution Co

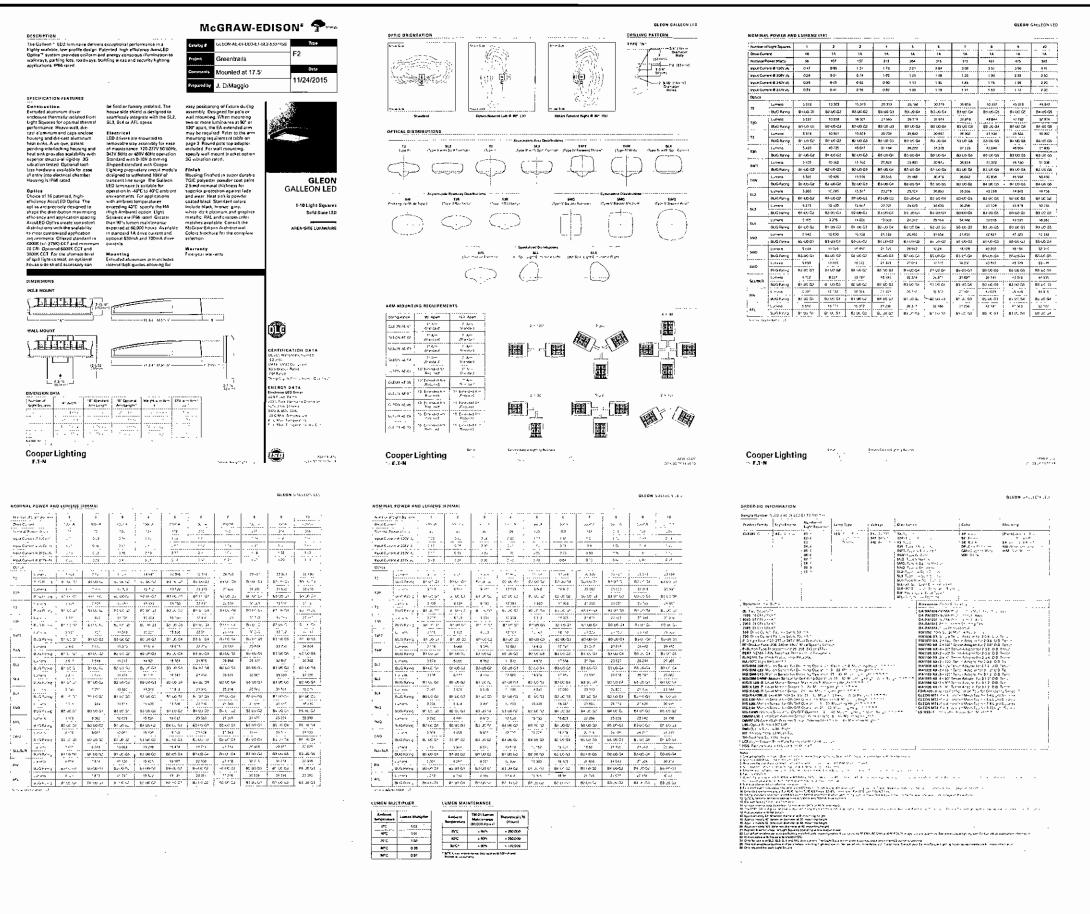




Cooper Lighting



AZMI165636 2015 GT 06 16 M.15



CooperLighting

Cooper Lighting

Cooper Lighting 6. F.T.W. Cooper Lighting 6. F.T.W. Cooper Lighting 6. F.T.W. Cooper Lighting 7. F.T.W. Cooper Lighting 7.

AD41 65476 21 52 41 50 15 2100

 $\frac{1}{|C|}$ 团 Ω 02/24

AMENDED SITE DEVELOPMENT SECTION PLAN 116 S GREENTRAILS DRIVE

INC.

SUITE 202
SUITE 202
63301
(636) 947-2448
SURETING, INC.
CORPORATION

CHARLES ENGINEERING & S 801 S. FIFTH STREET, SU ST. CHARLES, MO 63 TEL: (636) 947-0607 FAX: (63

ST.

TEL: (636) 947-0607 FAX: (6 ST. CHARLES ENGINEERING AND S PROFESSIONAL ENGINEERING CO ISSOURL STATE CERTIFICATE OF AUT

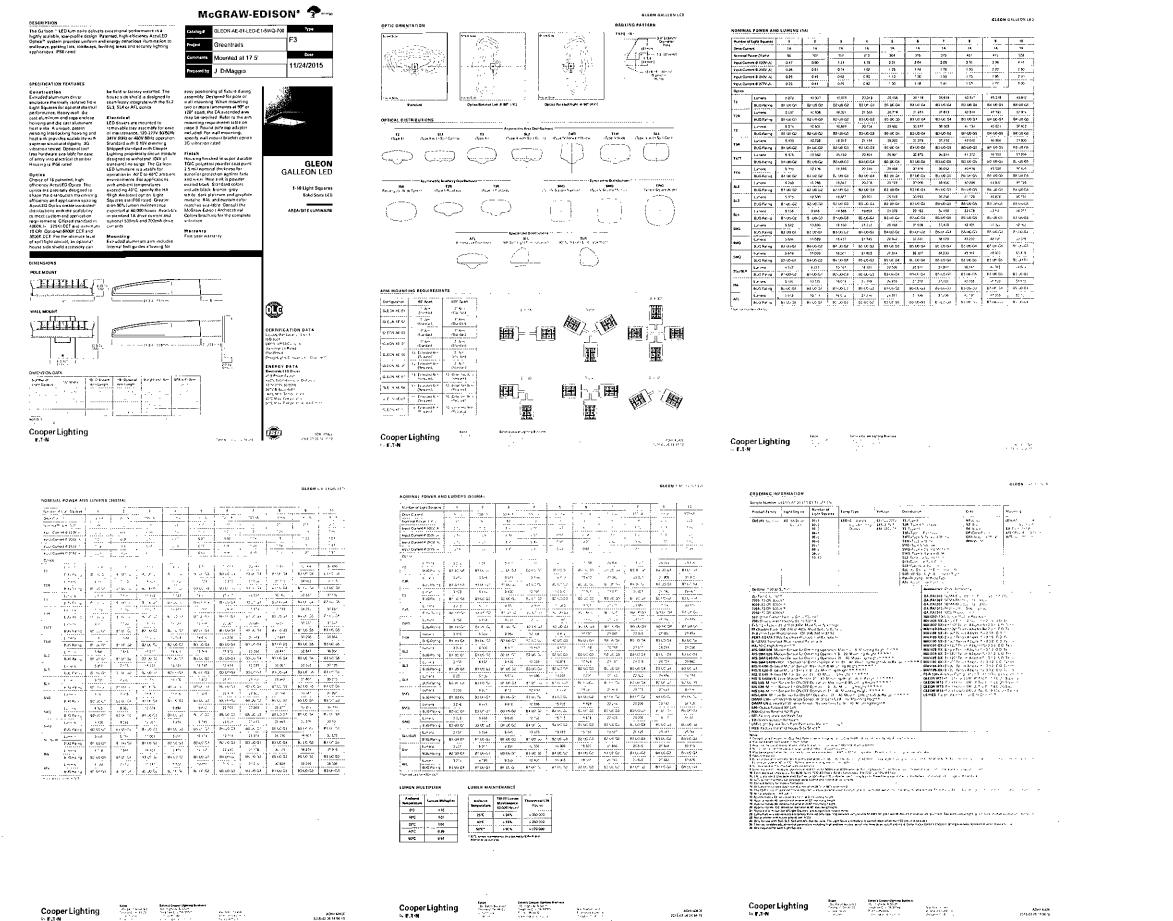
PLAN

) NIT

LIGH

ORDER NO. 13,0166 DATE

06/27/14 6



20041112402 P1 98 81 80 E642105

02/24

AMENDED SITE DEVELOPMENT SECTION PLAN 116 S GREENTRAILS DRIVE

INC.

SUITE 202
SUITE 202
63801
(636) 947-2448
5 CORPORATION
AUTHORITY - ON 1427

JARLES ENGINEERING & S
801 S. PIFTH STREET, SU
ST. CHARLES, MO 63
TEL. (636) 947-0607 PAX: (63
ST. CHARLES ENGNEERING AND SU
INSOURTE ENGNEERING CO
INSOUR STATE CERTIFICATE OF AUTI

CHARLES | 801 S

ST

|S|

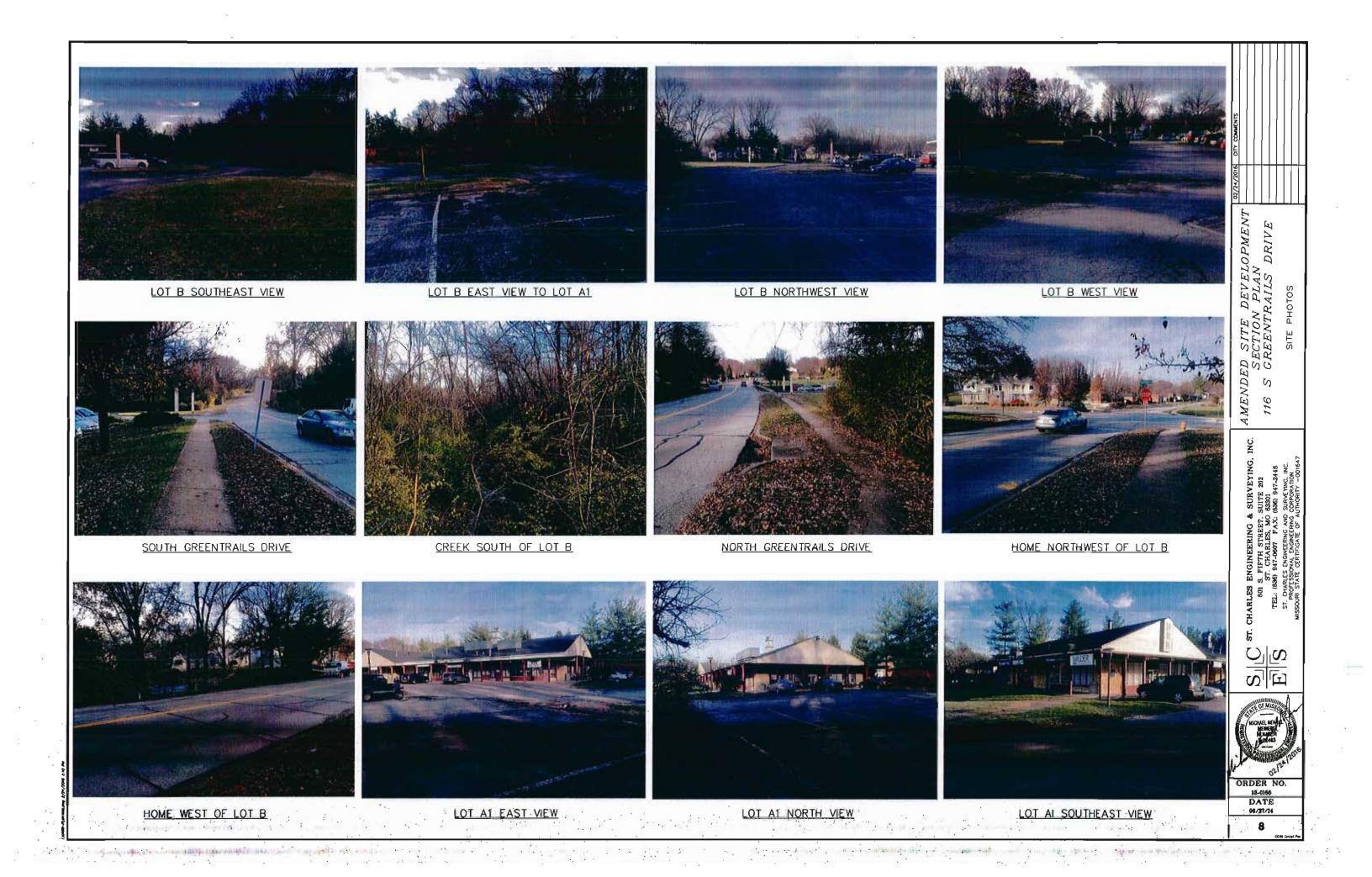
 ∞ \square

₫.

LIGHTING

ORDER NO. 13-0166 DATE 06/27/14

7











LOT A2 SOUTHEAST VIEW

LOT A1 NORTHEAST VIEW

LOT A2 NORTHEAST VIEW

LOT A2 NORTHWEST VIEW

AMENDED SITE DEVELOPMENT SECTION PLAN 116 S GREENTRAILS DRIVE

> LES ENGINEERING & SURVEYING, INC 801 S. FIFTH STREET, SUITE 202 ST. CHARLES, MO 63891 21z. (636) 947-2648

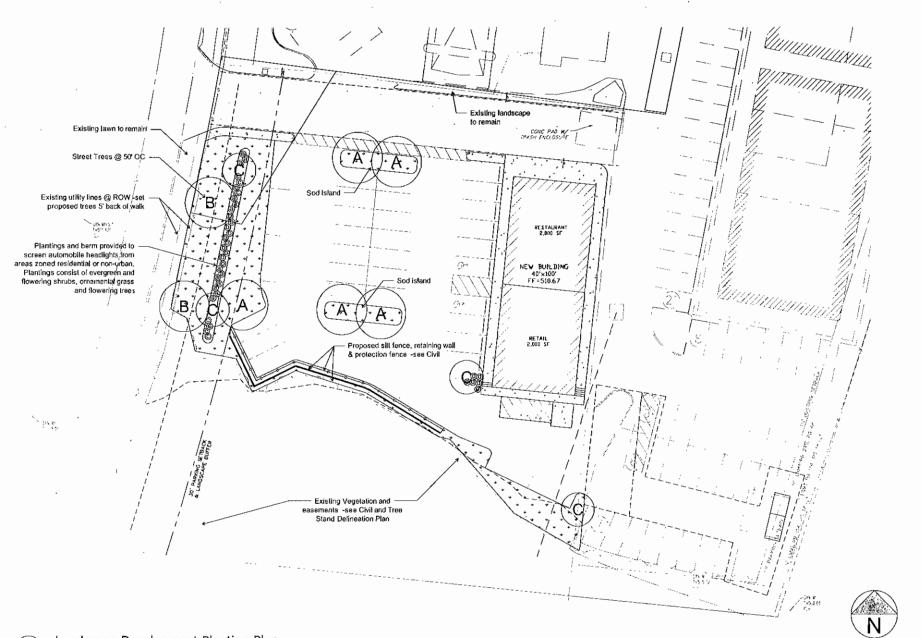
SIC ST. C



ORDER NO 18-0166 DATE 06/27/14

9





ANDSCAPE PLANTING SCHEDULE

Acer rubrum 'Columnare

b 10 Rosa Home Run'
c 8 Panicum virgatum 'Shenandoah

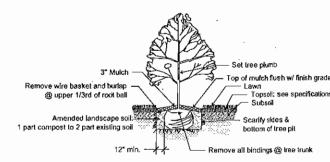
900 sf Double Ground Bark Mulch

d 6 Schizachyrium scoparium

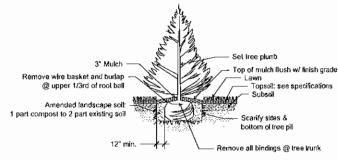
4,820 sf Fescue Sod

Open Space Site Calculations
Description

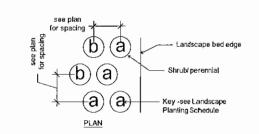
4 | Cercis canadensis Forest Pansy

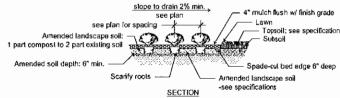


SHADE TREE PLANTING DETAIL



EVERGREEN TREE PLANTING DETAIL





Scale: 1" = 20' 0"

Mature Height 45'+ 45'+

20-40'

20-36"

Hedge Slow 48-60" Fast 36-48" Fast

Fast

Med

Fast

Size Condition 2 1/2" Cal. B&B

2 1/2" Cal. B&B

2 1/2" Cal. B&B

18-20" 5 Gal.

2 Gal. 3 canes 1 Gal.

1 Gal.

Upright Red Maple Honey Locust

Home Run Rose

Little Blue Stem

Sq. Ft. Area

27.070

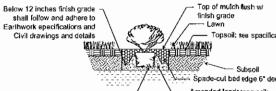
Red Switch Grass

Sile %

100%

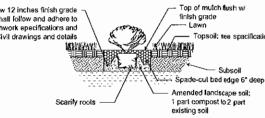
Redbud -Forest Pansy

PLANT TYPE % PLANT SPECES SHADE TREES 45.5% Street Tree 18 2% Parking Lot Tree Buffer Planting EL OWERNG 27.0% Buffer Planting NATIVE GRASS Parking Lot Island NATIVE GRASS 16.2%



SHRUB PLANTING DETAIL

SHRUB/ PERENNIAL/ ANNUAL PLANTING DETAIL



	Uisce.	ье	ath
,		L	A
s	LANDSCAP ph# 314 Missourt Certi	. 205 Ncate o	. 8 8 7

DERMODY & ASSOCIATES

CIVIL ENGINEER St. Charles Engineering & Surveyin 801 S. Fifth Street, Suite 202 St. Charles, MO 63301

116 GREENTRAILS DRIVE CAHESTERFIELD, MISSOURI

Date: 4.4/2015
4.4/2015
7/14/201
9.14 201
11/18/20
12/23/20
1/14:201



rawn by: EMD

hecked By:

Landscape Development Planting Plan

Project Number: 454.001

LDP -1

Landscape Development Planting Plan

SITE DEVELOPMENT SECTION PLAN-LANDSCAPING NOTES:

1. See Civil sheets for specific information pertaining to existing and proposed easement, ROW, utilities and

All trees shown on this plan are selected form TREE PRESERVATION AND LANDSCAPE

REQUIREMENTS (see City of Chesterfield Unified Development Code).

Parking lots trees are located within 50 feet of parking stalls and 33.3% of parking lot trees species are a slow or medium growth rate (30% min. required).

Contractor to review and field verify existing and proposed conditions prior to installation.

Contractor to notify owner of any discrepancies. Contractor to coordinate end cooperate with other trades.

Contractor to adjust plantings accordingly, notify owner and City of Chesterfield of any changes to landscape dasign due to unforeseen field conditions

Proposed plant material is to be selected by the contractor and approved by Owner prior to installation.

All planting bads and islands to receive 4 Inch layer of mulch in a continuous bed, Apply a granular pre-emergent weed control prior to mulching.

6" Spade cul landscapa bed areas.

 Repair all landscape and lawn areas disturbed during and due to construction. See Civil sheets for limits of site construction.

Contractor is responsible for installing all plant material, seed, topsoil and mulch as shown on plan

12. Plant Schedule is for informational purposes only. Contractor is responsible for ventying and installation of quantitias on drawings.

Contractor to provide in-ground automatic irrigation system. Coordinate point of connection, back-flow prevent and controller location with owner's representative.

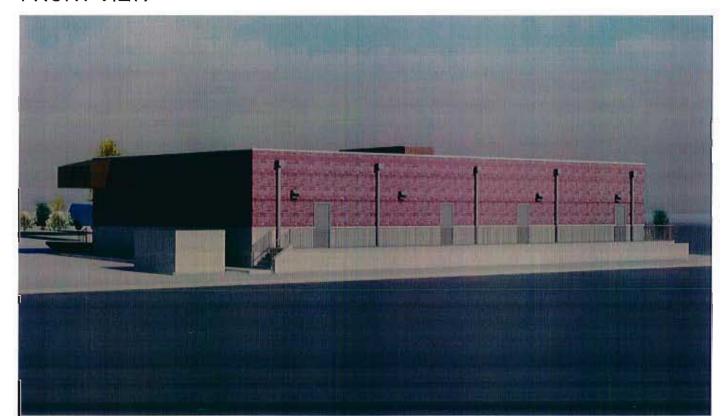
Lawn areas to be Irrigated with 6" pop-up spray heads with head-to-head coverage Annuals to be irrigated with 12" pop-up spray heads with head-to-head coverage

 13.3. Shrubs and grasses to be irrigated with drip irrigation
 14. See Civil sheets for limits of disturbance and removal. Repair all lawn and landscape areas disturbed during construction.

15. Shrub border along parking lot will screen front of cars from roadway and residential neighborhood across



FRONT VIEW



REAR VIEW





2020North Broadway St. Louis, MO 63102 314-574-5770

Owner

RETAIL STRIP

FRONT AND REAR 3D VIEWS

Project Number Issue Date

A104

