City Plan Commission Recommends Approval with Conditions

Case No. <u>CD-CPC-2024-00142</u> on <u>11-20-2024</u> CD-CPC-2024-00143

Secretary of the City Plan Commission

INDIANA COMMONS

INDIANA AVE & BARRY RD

CITY OF KANSAS CITY, CLAY COUNTY, MISSOURI

REZONING & DEVELOPMENT PLANS

AND PRELIMINARY PLAT





MILBURN CIVIL ENGINEERING, LLC 33135 W 83RD ST DE_SOTO, KS_66018



INDIANA

GENERAL NOTES:

1. PROPOSED CONTOURS, BMP's, GRADES, EASEMENTS, AND UTILITIES ARE

DRAINAGE STUDY OR PER DEPARTMENT OF PUBLIC WORKS. STORM WATER STUDY WILL IDENTIFY DETENTION, VOLUME CONTROL, AND TREATMENT AREAS. PROPOSED STORM WATER SYSTEM AND STORM WATER BMP's ARE INDICATED ON STORM WATER, GRADING, AND UTILITY

6. PARKLAND DEDICATION FEES SHALL FOLLOW KCMO ORDINANCE 88-408. REFER TO PARKLAND DEDICATION AND FEE CALCULATION TABLES IN PLAN

7. BUILDING AND PARKING DIMENSIONS HAVE BEEN ROUNDED TO THE

PREPARED BY:

MILBURN CIVIL ENGINEERING, LLC 33135 W 83RD STREET DE SOTO, KS 66018 913-583-0367 MATTHEW RAVEILL, PE MATT@MILBURNCE.COM

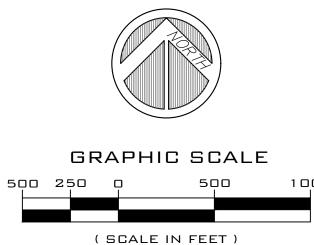
OWNER/APPLICANT:

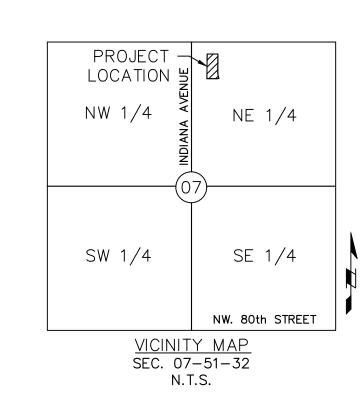
INDIANA NORTH DEVELOPMENT, LLC 7067 NW SCENIC DR. PARKVILLE, MO 64152 C/O ED LEWIS

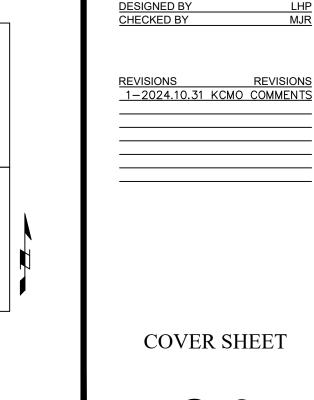


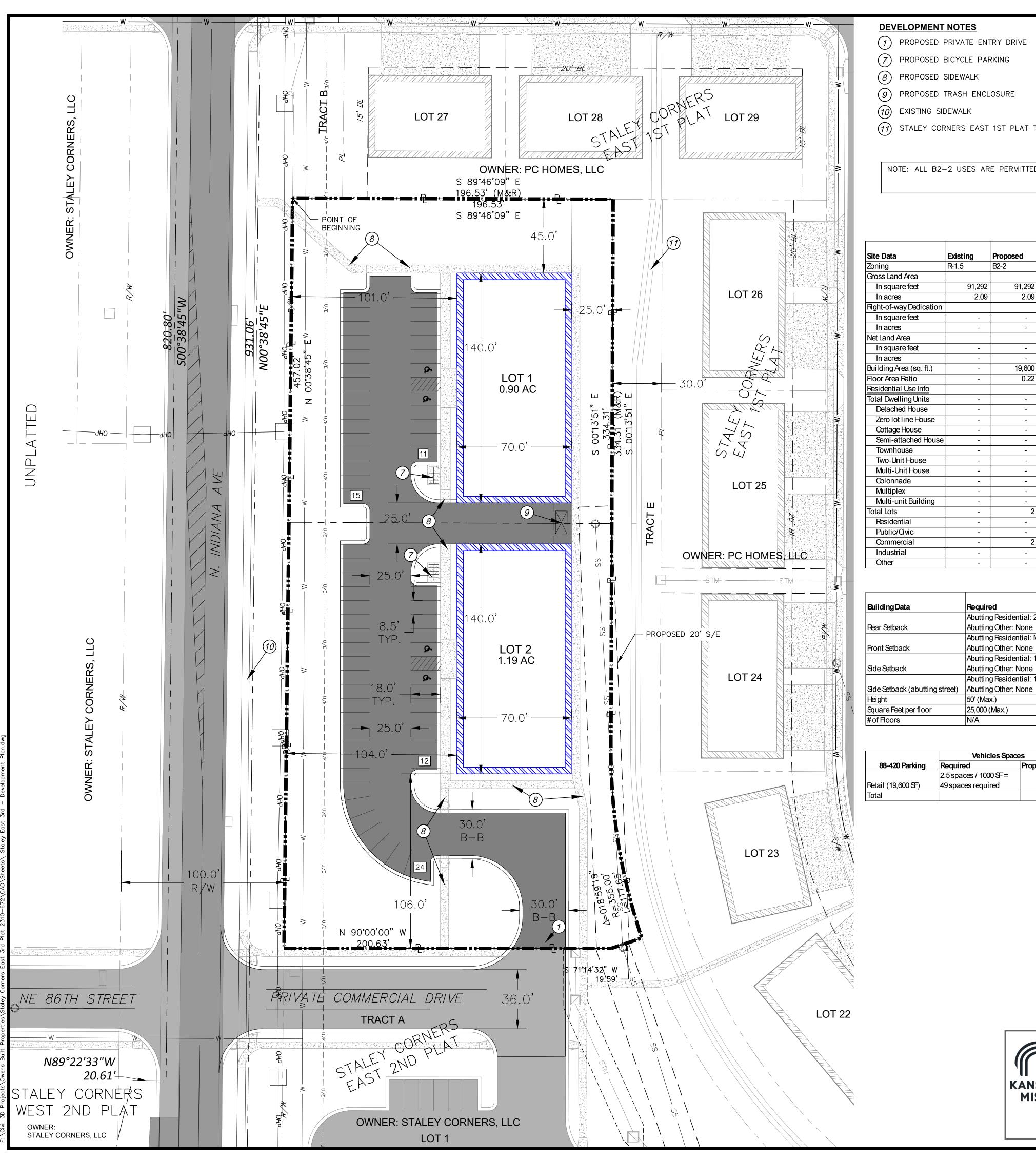
INDEX OF SHEETS

COVER SHEET SITE PLAN **GRADING PLAN UTILITY PLAN EXISTING CONDITIONS TREE PLAN/** TREE PRESERVATION & MITIGATION PLAN PRELIMINARY PLAT LANDSCAPE PLAN SITE LIGHTING PHOTOMETRICS **EXTERIOR ELEVATIONS**









- (1) PROPOSED PRIVATE ENTRY DRIVE
- (7) PROPOSED BICYCLE PARKING
- 8 PROPOSED SIDEWALK
- 9 PROPOSED TRASH ENCLOSURE
- (10) EXISTING SIDEWALK
- (11) STALEY CORNERS EAST 1ST PLAT TRAIL

NOTE: ALL B2-2 USES ARE PERMITTED

Existing

91,292

2.09

R-1.5

Proposed

91,292

19,600

0.22

Abutting Residential: 25% of lot depth, Max = 30

Abutting Residential: Match Residential setback

Abutting Residential: 10% of lot width, Max = 8

Proposed | Required

Abutting Other: None

Abutting Other: None

Abutting Other: None

Vehicles Spaces

25,000 (Max.)

Abutting Residential: 15'

2.09

B2-2

LEGEND

Deviation

Requested? Approved

PROPOSED SANITARY ———SS—— EXISTING SANITARY W PROPOSED WATER W EXISTING WATER

LEGAL DESCRIPTIONS

particularly described as follows:

Thence South 71°14'32" West, 19.59 feet;

Contains 91,292 square feet or 2.09 acres more or less.

Deviation

Proposed Required

9,800

Short-Term Bike Spaces

10% of vehicles spaces, min. 3=

62 6.2 spaces required

Northwest Corner of Tract E, said STALEY CORNERS EAST FIRST PLAT; Thence South 00°13'51" West along the West line of said Tract E, 334.31 feet;

STM PROPOSED STORM SEWER ——PL—— PROPERTY LINE



A Tract of land in the Northeast Quarter of Section 7, Township 51 North, Range 32 West, in Kansas City, Clay County, Missouri being more

Beginning at the Southwest Corner of Tract B, STALEY CORNERS EAST FIRST PLAT, a subdivision in Kansas City, Clay County Missouri, thence South 89°46'09" East along the South line of said Tract B and Lots 27 and 28, said STALEY CORNERS EAST FIRST PLAT, 196.53 feet to the

Thence on a curve to the left, continuing along said West line, tangent to the last described course, having a radius of 355.00 feet and an arc length

Thence North 90°00'00" West, 200.63 feet to the East Right-of-Way line of N Indiana Avenue, as now established;

Thence North 00°38'45" East along said East Right-of-Way line, 457.02 feet to the Point of Beginning.



MILBURN CIVIL ENGINEERING, LLC

33135 W 83RD ST DE SOTO, KS 66018



ARRY MO

AND CITY

ENUE NSAS

INDIANA

DATE
DESIGNED BY
CHECKED BY REVISIONS REVISIONS
1-2024.10.31 KCMO COMMENTS

SITE PLAN

C-1

City Plan Commission
Recommends Approval with Conditions of Case No. CD-CPC-2024-00142 on 11-20-2024 KANSAS CITY MISSOURI

Secretary of the City Plan Commission

Long-Term Bike Spaces

l+1 per 10,000 SF= 7 2.96 spaces required **Atematives**

Proposed?

PROJECT LOCATION

NE 1/4

SE 1/4

NW. 80th STREET

VICINITY MAP SEC. 07-51-32 N.T.S.

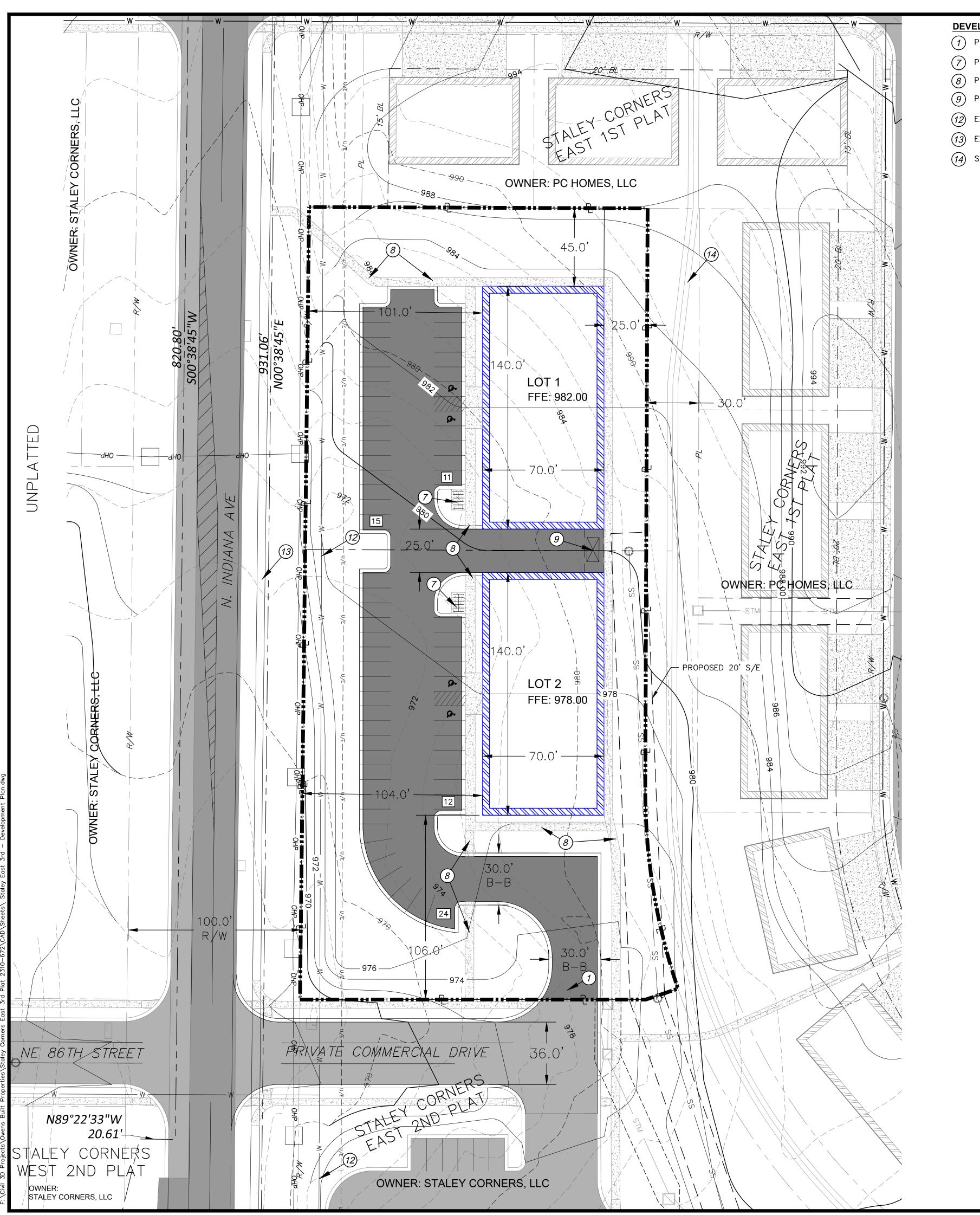
GRAPHIC SCALE

(SCALE IN FEET)

PRELIMINARY-NOT FOR CONSTRUCTION

NW 1/4

SW 1/4



DEVELOPMENT NOTES

- 1) PROPOSED PRIVATE ENTRY DRIVE
- 7) PROPOSED BICYCLE PARKING
- 8 PROPOSED SIDEWALK
- 9 PROPOSED TRASH ENCLOSURE
- (12) EXISTING WATER MAIN LINE
- 13) EXISTING SIDEWALK
- (14) STALEY CORNERS EAST 1ST PLAT TRAIL

LEGEND

Building Data

Rear Setback

Front Setback

Side Setback

#of Floors

Square Feet per floor

PROPOSED WATER W EXISTING WATER STM PROPOSED STORM SEWER ----R/W----- EXISTING R/W

——PL—— PROPERTY LINE

Side Setback (abutting street) Abutting Other: None



Requested? Approved

Proposed

106'

9,800

Abutting Residential: 25% of lot depth, Max = 30'

Abutting Residential: Match Residential setback

Abutting Residential: 10% of lot width, Max = 8'

Abutting Other: None

Abutting Other: None

Abutting Other: None

50' (Max.)

N/A

25,000 (Max.)

Abutting Residential: 15'



MILBURN CIVIL ENGINEERING, LLC 33135 W 83RD ST DE SOTO, KS 66018 913-583-0367

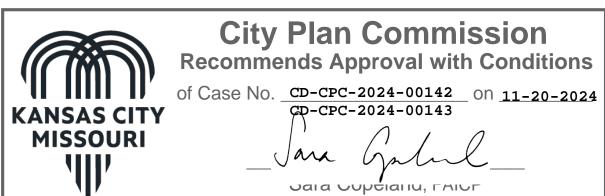


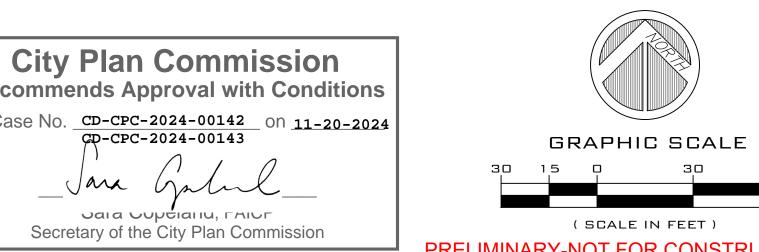
ROAD BARRY , MO FNUE INDIANA

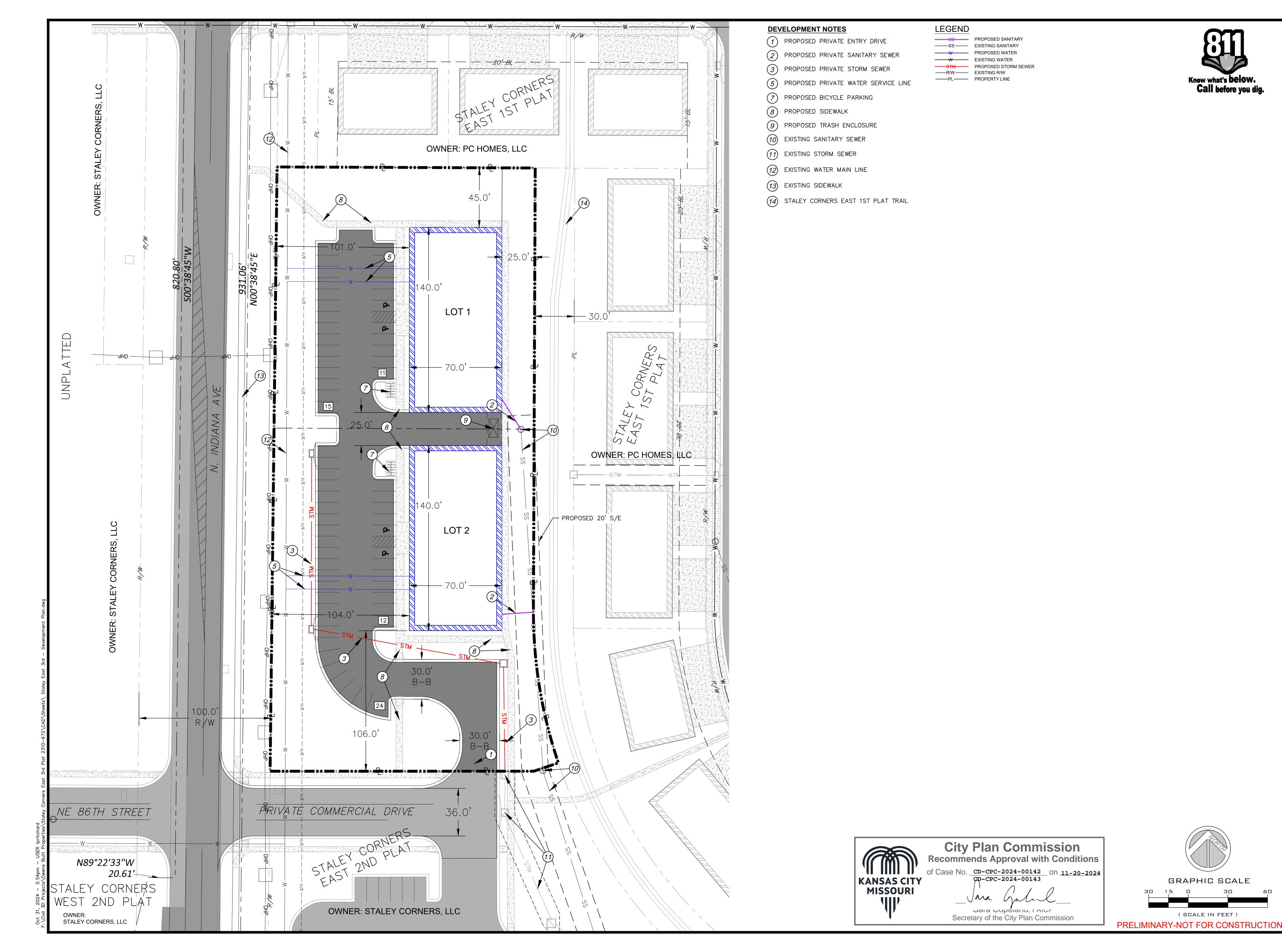
DATE
DESIGNED BY
CHECKED BY REVISIONS REVISIONS
1-2024.10.31 KCMO COMMENTS

GRADING PLAN

C-2







Milburn Civil Engineering, LLC

MILBURN CIVIL ENGINEERING, LLC 33135 W 83RD ST DE SOTO, KS 66018 913-583-0367



NA COMMONS

R DEVELOPMENT PLANS

PRELIMINARY PLAT

ROAD

BARRY , MO

INDIANA AVENUE / KANSAS (

 DATE
 09/25/2024

 DESIGNED BY
 LHP

 CHECKED BY
 MJR

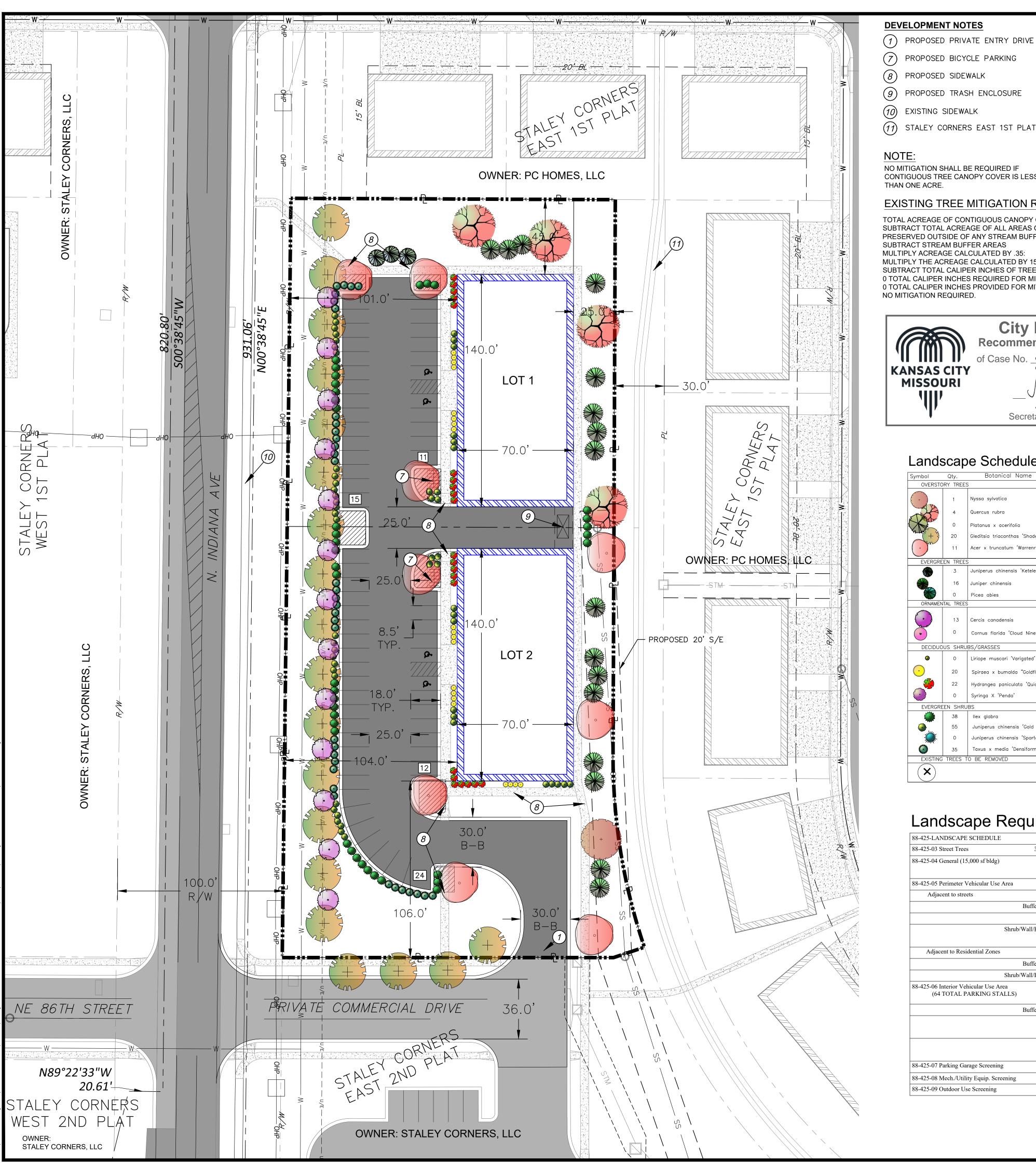
 REVISIONS
 REVISIONS

 1-2024.10.31
 KCMO
 COMMENTS

-2024.10.31 KCMO COMMENTS

UTILITY PLAN

C-3



- 7) PROPOSED BICYCLE PARKING
- (8) PROPOSED SIDEWALK
- (10) EXISTING SIDEWALK
- (11) STALEY CORNERS EAST 1ST PLAT TRAIL

NO MITIGATION SHALL BE REQUIRED IF CONTIGUOUS TREE CANOPY COVER IS LESS

EXISTING TREE MITIGATION REQUIREMENTS:

TOTAL ACREAGE OF CONTIGUOUS CANOPY COVER TO BE REMOVED ON THE ENTIRE DEVELOPMENT SITE. SUBTRACT TOTAL ACREAGE OF ALL AREAS OF CONTIGUOUS TREE CANOPY COVER OF ONE ACRE OR MORE PRESERVED OUTSIDE OF ANY STREAM BUFFERS. 0 ACRES OF TREE COVER TO BE REMOVED. SUBTRACT STREAM BUFFER AREAS MULTIPLY ACREAGE CALCULATED BY .35:

LEGEND

PROPOSED SANITARY

STM PROPOSED STORM SEWER

——SS—— EXISTING SANITARY

W EXISTING WATER

-----R/W----- EXISTING R/W

——PL—— PROPERTY LINE

MULTIPLY THE ACREAGE CALCULATED BY 150 CALIPER INCHES: 0 SUBTRACT TOTAL CALIPER INCHES OF TREES PROVIDED: 0 TOTAL CALIPER INCHES REQUIRED FOR MITIGATION 0 TOTAL CALIPER INCHES PROVIDED FOR MITIGATION

NO MITIGATION REQUIRED.

KANSAS CITY MISSOURI

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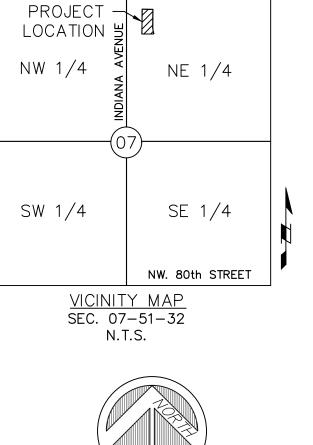
Secretary of the City Plan Commission

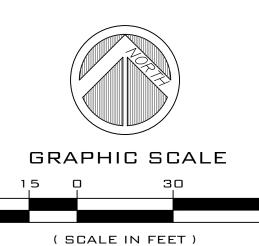
Landscape Schedule

Symbol	Qty.	Botanical Name	Common Name	Min.Root	Min.Size	Caliper	Remarks
OVERST	ORY TREE	S					
(·)	1	Nyssa sylvatica	Black Tupelo			2"	6' min. clear., ground to canop
11	4	Quercus rubra	Northern Red Oak			2"	6' min. clear., ground to cano
	0	Platanus x acerifolia	London Plane Tree			2"	6' min. clear., ground to canop
+ 5	20	Gleditsia triacanthas 'Shademaster'	Shademaster Honeylocust			2"	6' min. clear., ground to cano
· Inn	11	Acer x truncatum 'Warrenred'	Pacific Sunset Maple			2"	6' min. clear., ground to canop
EVERGR	EEN TREE	S					
	3	Juniperus chinensis 'Keteleeri'	Keteleeri Juniper		5' ht.		symmetrical pyramidal form
	16	Juniper chinensis	Eastern Red Cedar		5' ht.		symmetrical pyramidal form
	0	Picea abies	Norway Spruce		5' ht.		symmetrical pyramidal form
ORNAME	NTAL TREE	S					
	13	Cercis canadensis	Eastern Redbud			1.5"	
*	0	Cornus florida 'Cloud Nine'	Cloud 9 Dogwood			2"	
DECIDU	OUS SHRU	JBS/GRASSES					
•	0	Liriope muscari 'Varigated'	Varigated Liriope	1 gal.			Plant @ 18" O.C.
$\overline{\bullet}$	20	Spiraea x bumalda "Goldflame"	Goldflame spirea	3 gal.			Plant @ 3' O.C.
	22	Hydrangea paniculata 'Quick Fire'	Little Quick Fire Hydrangea	3 gal.			Plant @ 4' O.C.
	0	Syringa X 'Penda'	Bloomerang Purple Lilac	5 gal.			Plant @ 5' O.C.
EVERGF	REEN SHRU	JBS					
	38	llex glabra	Inkberry Holly	3 gal.			Plant @ 4' O.C.
$\bigoplus_{\Lambda \mu_{\ell}}$	55	Juniperus chinensis 'Gold Coast'	Gold Coast Juniper	3 gal.			Plant @ 4' O.C.
Marie	0	Juniperus chinensis 'Spartan'	Spartan Juniper		5' ht.		Symmetrical pyramidal form
1	35	Taxus x media 'Densiformis'	Dense Spreading Yew	3 gal.			Plant @ 4'O.C.
EXISTIN	G TREES	TO BE REMOVED	EXISTING TREES/SHRUBS T	O BE PRESE	RVED		
(\mathbf{x})			·) · C.	\supset			

Landscape Requirements/Calculations

88-425-LANDSCAPE SCHEDULE		Required	Proposed	Alt. Requested	Approved
88-425-03 Street Trees	30' o.c.	20	20		
88-425-04 General (15,000 sf bldg)		1 Tree/ 5000sf	4 Trees Provided		
88-425-05 Perimeter Vehicular Use Are	a				
Adjacent to streets					
	Buffer Width	10' min.	Provided		
	Trees	30' o.c.	Provided		
Sh	rub/Wall/Berm	Cont. Evergreen	Provided		
Adjacent to Residential Zones					
	Buffer Width	10' min.	Provided		
Sh	rub/Wall/Berm	Shrubs	Provided		
88-425-06 Interior Vehicular Use Area (64 TOTAL PARKING STALL	S)	35sf per Pkg Stall	2,240+ Provided		
	Buffer Width	n/a			
	Trees	1 Per 5 Stalls	13 Provided		
	Shrubs	1 Per Stall	62 Provided		
88-425-07 Parking Garage Screening		n/a	l		
88-425-08 Mech./Utility Equip. Screening	Provided				
88-425-09 Outdoor Use Screening		n/a			





PRELIMINARY-NOT FOR CONSTRUCTI

Milburn Civil Engineering, LLC

Know what's below.

Call before you dig.

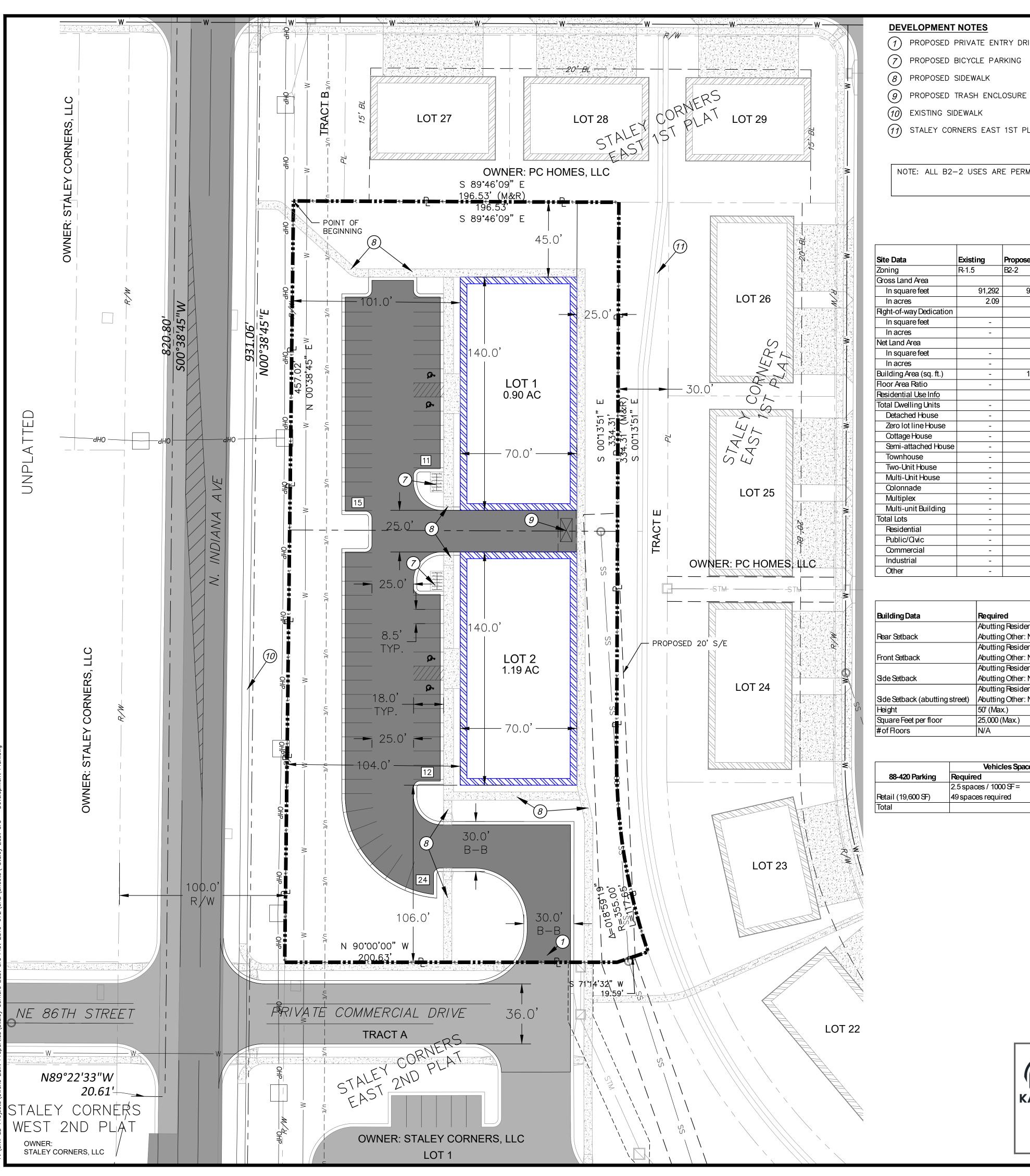
MILBURN CIVIL ENGINEERING, LLC 33135 W 83RD ST DE SOTO, KS 66018 913-583-0367



BARRY , MO INDIANA

DESIGNED BY CHECKED BY REVISIONS REVISIONS
1-2024.10.31 KCMO COMMENTS

EXISTING CONDITIONS TREE PLAN/ TREE PRESERVATION & MITIGATION PLAN



- 1) PROPOSED PRIVATE ENTRY DRIVE
- 7) PROPOSED BICYCLE PARKING
- 8 PROPOSED SIDEWALK
- (10) EXISTING SIDEWALK
- (11) STALEY CORNERS EAST 1ST PLAT TRAIL

NOTE: ALL B2-2 USES ARE PERMITTED

LEGEND

PROPOSED SANITARY ———SS—— EXISTING SANITARY PROPOSED WATER ———W EXISTING WATER

LEGAL DESCRIPTIONS

particularly described as follows:

Thence South 71°14'32" West, 19.59 feet;

Contains 91,292 square feet or 2.09 acres more or less.

Northwest Corner of Tract E, said STALEY CORNERS EAST FIRST PLAT; Thence South 00°13'51" West along the West line of said Tract E, 334.31 feet;

STM PROPOSED STORM SEWER -----R/W------ EXISTING R/W ——PL—— PROPERTY LINE



Beginning at the Southwest Corner of Tract B, STALEY CORNERS EAST FIRST PLAT, a subdivision in Kansas City, Clay County Missouri, thence South 89°46'09" East along the South line of said Tract B and Lots 27 and 28, said STALEY CORNERS EAST FIRST PLAT, 196.53 feet to the

Thence on a curve to the left, continuing along said West line, tangent to the last described course, having a radius of 355.00 feet and an arc length

Thence North 90°00'00" West, 200.63 feet to the East Right-of-Way line of N Indiana Avenue, as now established;

Thence North 00°38'45" East along said East Right-of-Way line, 457.02 feet to the Point of Beginning.



MILBURN CIVIL ENGINEERING, LLC 33135 W 83RD ST DE SOTO, KS 66018 A Tract of land in the Northeast Quarter of Section 7, Township 51 North, Range 32 West, in Kansas City, Clay County, Missouri being more



ARRY MO

INDIANA

			Deviation	
Site Data	Existing	Proposed	Requested?	Approved
Zoning	R-1.5	B2-2		
Gross Land Area				
In square feet	91,292	91,292		
In acres	2.09	2.09		
Right-of-way Dedication				
In square feet	-	-		
In acres	-	-		
Net Land Area				
In square feet	-	-		
In acres	_	_		
Building Area (sq. ft.)	-	19,600		
Roor Area Ratio	-	0.22		
Residential Use Info				
Total Dwelling Units	-	-		
Detached House	-	-		
Zero lot line House	-	-		
Cottage House	-	-		
Semi-attached House	-	-		
Townhouse	-	-		
Two-Unit House	-	-		
Multi-Unit House	-	-		
Colonnade	_	-		
Multiplex	-	-		
Multi-unit Building	-	-		
Total Lots	-	2		
Residential	-	-		
Public/Civic	_			
Commercial	_	2		
Industrial	_	_		
Other	_	-		

Deviation

			Deviation		
Building Data	Required	Proposed	Requested?	Approved	
	Abutting Residential: 25% of lot depth, Max = 30'				
Rear Setback	Abutting Other: None	25'			
	Abutting Residential: Match Residential setback				
Front Setback	Abutting Other: None	101'			
	Abutting Residential: 10% of lot width, Max = 8'				
Sde Setback	Abutting Other: None	23'			
	Abutting Residential: 15'				
Side Setback (abutting street)	Abutting Other: None	106'			
Height	50' (Max.)	21'			
Square Feet per floor	25,000 (Max.)	9,800			
#of Floors	N/A	1			

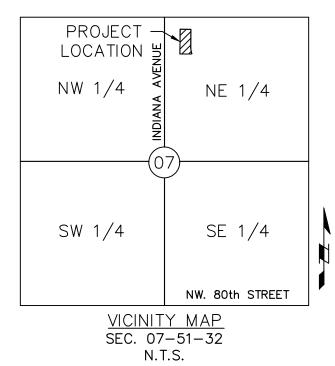
KANSAS CITY MISSOURI

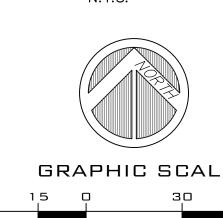
Vehicles Spaces			Short-Term Bike Space	es	Long-Term Bike S	Atematives		
88-420	Parking	Required	Proposed	Required	Proposed	Required	Proposed	Proposed?
		2.5 spaces / 1000 SF =		10% of vehicles spaces, min. 3=		1+1 per 10,000 SF=		
Retail (19,6	500 SF)	49 spaces required	62	6.2 spaces required	7	2.96 spaces required	3	
Total			ကေ		7		2	

City Plan Commission
Recommends Approval with Conditions

Secretary of the City Plan Commission

. CD-CPC-2024-00142 ON 11-20-2024 CD-CPC-2024-00143





GRAPHIC SCALE

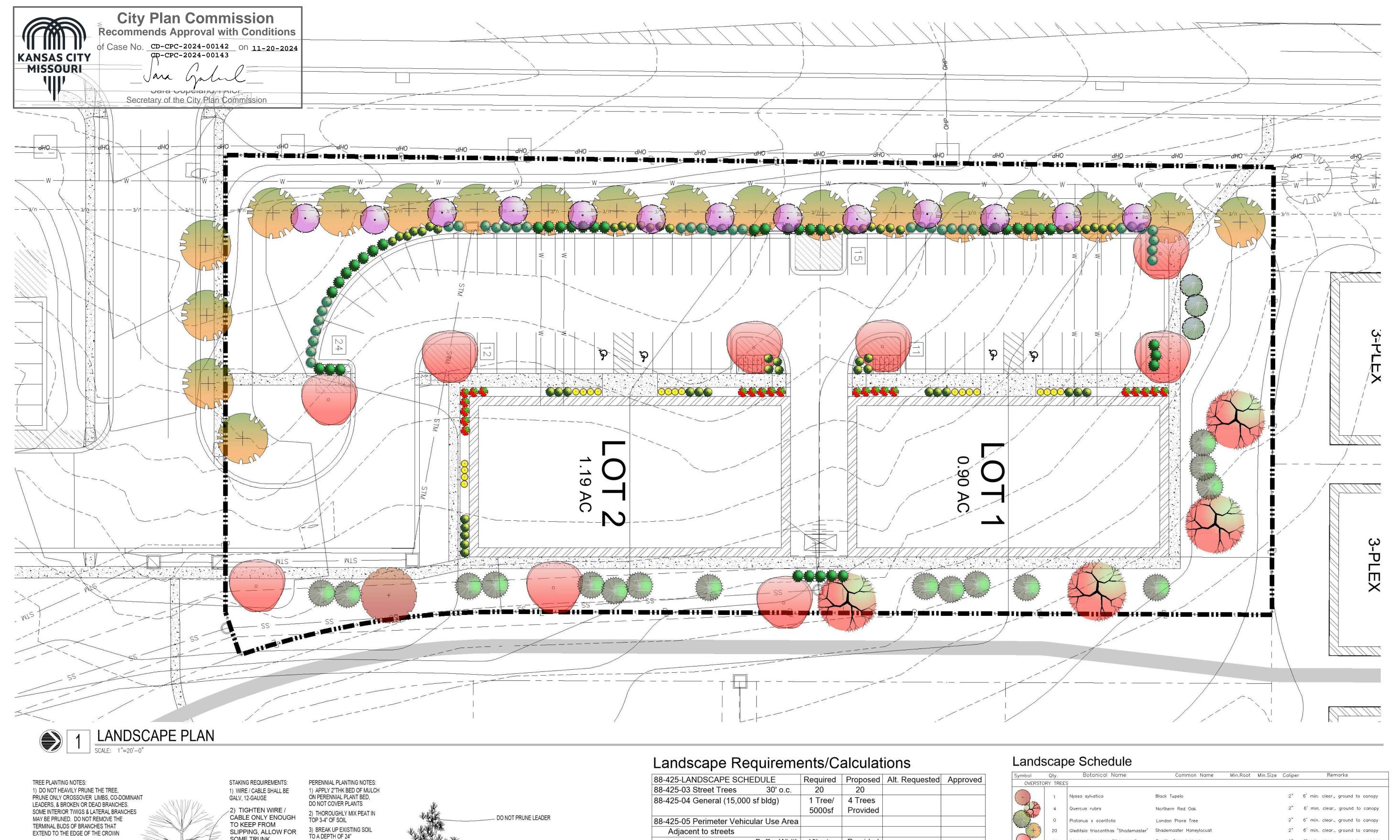
PRELIMINARY PLAT

REVISIONS REVISIONS
1-2024.10.31 KCMO COMMENTS

DATE
DESIGNED BY
CHECKED BY

C-5

(SCALE IN FEET) PRELIMINARY-NOT FOR CONSTRUCTIO



SOME TRUNK

2) MARK THE NORTH SIDE OF THE

WHENEVER POSSIBLE

w/ TREE TRUNK

TREE IN THE NURSERY, AND ROTATE

TREE TO FACE NORTH AT THE SITE

3) SET TOP OF ROOT BALL 1-2 INCHES

HIGHER THAN SURROUNDING GRADE

4) APPLY 4"THK WOOD MULCH, DO NOT PLACE MULCH IN DIRECT CONTACT

5) EACH TREE MUST BE PLANTED SUCH THE TRUNK FLARE IS VISIBLE

AT THE TOP OF THE ROOT BALL.

TREES WHERE THE FLARE IS NOT

6) REMOVE ALL TWINE, ROPE, WIRE

7) PLACE ALL ROOT BALLS ON UN-EXCAVATED OR TAMPED SOIL, TYP

AND BURLAP FROM THE UPPER 1/3 OF ROOT BALL (REMOVE WIRE BASKETS)

VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP

OF THE ROOT BALL w/ SOIL

MOVEMENT PLASTIC

ENOUGH TO ACCOM-

3) STAKES SHALL BE 2"x

2" HARDWOOD OR EQUAL

BACKFILL w/ SUITABLE

MODATE 1½" OF GROWTH

{}MULCH RING\

MIN 6' DIA

PLANTING INSTALLATION DETAILS

HOSE SHALL BE LONG

4) PROVIDE NEW TOPSOIL TO A DEPTH OF 12"

SHRUB PLANTING NOTES:

OR CONTAINER

1) SET SHRUB AT SAME DEPTH AT WHICH IT GREW IN THE FIELD

2) PRUNE, THIN & SHAPE SHRUBS
IN ACCORDANCE W/ STANDARD
HORTICULTURAL PRACTICE

WHEN BACKFILL IS 2/3
COMPLETE, WATER
THOROUGHLY UNTIL NO
MORE IS ABSORBED

INITIAL WATERING:

PRUNE DAMAGED OR DEAD WOOD

4" MIN. SPECIFIED MULCH

AT WHICH TREE GREW.

IS IN LANDSCAPE BED

SPECIFIED BACKFILL MIXTURE

- EXISTING UNDISTURBED SUBSOIL

IMMEDIATELY PRIOR TO PLANTING. NEVER LEAVE

TREE TIE SYSTEM, SEE STAKING REQUIREMENTS

3 METAL STAKES. PLACE NEXT TO ROOT BALL

PLANT ROOT BALL 2" HIGHER THAN GRADE

INSTALL WEED CONTROL FABRIC IF TREE

- CONTINUOUS SAUCER, RIM FOR WATER & MULCH

CUT & REMOVE BURLAP FROM TOP 1/3 OF BALL.

AS SHOWN. SPACE EQUIDISTANT AROUND TREE.

LEAVE "V" CROTCHES OR DOUBLE LEADER.

Landscape requirem		alodiai	.10110	
88-425-LANDSCAPE SCHEDULE	Required	Proposed	Alt. Requested	Approved
88-425-03 Street Trees 30' o.c.	20	20		
88-425-04 General (15,000 sf bldg)	1 Tree/	4 Trees		
30 S	5000sf	Provided		
88-425-05 Perimeter Vehicular Use Area				
Adjacent to streets				
Buffer Width	10' min.	Provided		
Trees	30' o.c.	Provided		
Shrub/Wall/Berm	Cont.	Provided	,	
	Evergreen			
Adjacent to Residential Zones			,	
Buffer Width	10' min.	Provided		
Shrub/Wall/Berm	Shrubs	Provided		
88-425-06 Interior Vehicular Use Area	35sf per	2,240+		
(64 TOTAL PARKING STALLS)	Pkg Stall	Provided		
Buffer Width	n/a			
Trees	1 Per 5	13		
	Stalls	Provided	,	
Shrubs	1 Per	62		
	Stall	Provided		
88-425-07 Parking Garage Screening	n/a			
88-425-08 Mech./Utility Equip. Screening	Provided			
88-425-09 Outdoor Use Screening	n/a			,

Symbol	Qty.	Botanical Name	Common Name	Min.Root	Min.Size	Caliper	Remarks
OVERSTO	DRY TREE	S T					
(·)	1	Nyssa sylvatica	Black Tupelo			2"	6' min. clear., ground to canopy
	4	Quercus rubra	Northern Red Oak			2"	6' min. clear., ground to canopy
	0	Platanus x acerifolia	London Plane Tree			2"	6' min. clear., ground to canopy
+3	20	Gleditsia triacanthas 'Shademaster'	Shademaster Honeylocust			2"	6° min. clear., ground to canopy
	11	Acer x truncatum 'Warrenred'	Pacific Sunset Maple			2"	6' min. clear., ground to canopy
EVERGRE	EN TREE	S					
	3	Juniperus chinensis 'Keteleeri'	Keteleeri Juniper		5' ht.		symmetrical pyramidal form
	16	Juniper chinensis	Eastern Red Cedar		5' ht.		symmetrical pyramidal form
400	0	Picea abies	Norway Spruce		5' ht.		symmetrical pyramidal form
ORNAMEN	TAL TREE	S					
	13	Cercis canadensis	Eastern Redbud			1.5*	
	O	Cornus florida 'Cloud Nine'	Cloud 9 Dogwood			2"	
DECIDUO	US SHRU	JBS/GRASSES					
•	0	Liriope muscari 'Varigated'	Varigated Liriope	1 gal.			Plant @ 18° O.C.
\odot	20	Spiraea x bumalda "Goldflame"	Goldflame spirea	3 gal.			Plant ◎ 3' O.C.
	22	Hydrangea paniculata 'Quick Fire'	Little Quick Fire Hydrangea	3 gal.			Plant @ 4' O.C.
	0	Syringa X 'Penda'	Bloomerang Purple Lilac	5 gol.			Plant @ 5' 0.C.
EVERGRE	EEN SHRU	JBS					
	38	llex glabra	Inkberry Holly	3 gal.			Plant @ 4' O.C.
Aug.	55	Juniperus chinensis 'Gold Coast'	Gold Coast Juniper	3 gal.			Plant @ 4' O.C.
	0	Juniperus chinensis 'Spartan'	Spartan Juniper		5' ht.		Symmetrical pyramidal form
	35	Taxus x media 'Densiformis'	Dense Spreading Yew	3 gal.			Plant @ 4' O.C.
EXISTING	TREES	TO BE REMOVED	EXISTING TREES/SHRUBS T	O BE PRESE	RVED		
(\mathbf{x})			· · · · ·)			



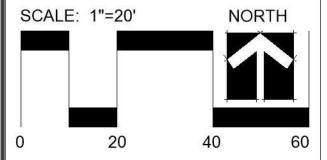


CLIENT

Indiana Commons

PROJECT

Indiana Commons Barry Rd. and Indiana Ave. Kansas City,MO



Date: 10.31.2024 Project #: 500 Landscape Plan

PERMIT

SET

Laura Blanchard, P.E.

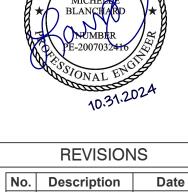
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ADAMS ARCHITECTS Lawrence, Kansas 66044 (785) 218-3980



MILBURN CIVIL ENGINEERING, LLC 33135 W. 83rd St. De Soto, Kansas 660018 (913) 583-0367

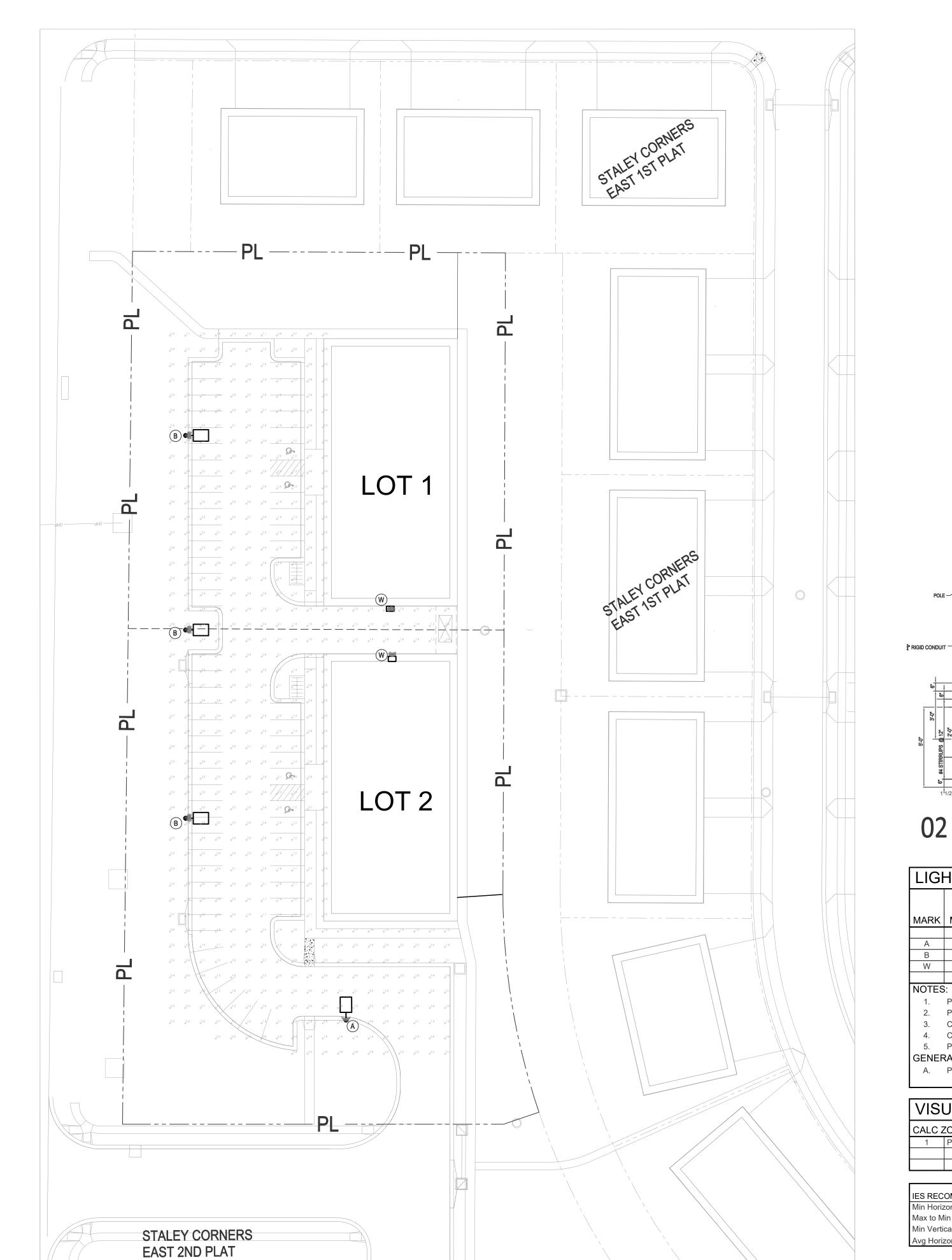


Rel. Date: 10.31.2024

SITE PLAN

E1.01

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01 Site Plan
Scale: 3/8"=1'-0"

POWER MATERIAL NOTES:

- A. CONDUIT (exterior above grade) shall be galvanized rigid with threaded fittings. Final connection to Mechanical Equipment shall be made with minimum 12" length of Liquid-Tite conduit.
- B. CONDUIT (interior above grade) circuits shall be routed in EMT conduit with set-screw or compression fittings.
- C. CONDUIT (below slab) shall be Schedule 40 PVC with solvent weld fittings. Change to metal conduit at floor penetration (elbow in slab shall be metal
- D. CONDUCTORS (#10 awg & smaller) shall be annealed soft copper, solid or stranded construction, and Code Type THWN or THHN with #12awg minimum size.
- E. CONDUCTORS (#8 awg & larger) shall be annealed soft copper, compressed strand construction, and Code Type THWN-2 or THHN.
- F. GROUNDING (equipment) All circuits shall be provided with Code sized equipment grounding conductor.
- G. SAFETY SWITCHES shall be Square D, or approved equal, heavy duty grade safety switch in configuration noted.
- H. FIRE STOPPING provide fire stopping, as manufactured by 3M or Hilti, at fire-rated construction to maintain an effective barrier against the spread of flame, smoke, and hot gases. Components shall be compatible with each other, the substrates forming openings, and the items, if any, penetrating the fire stopping under conditions of service and application, as demonstrated by

the fire stopping manufacturer based on testing and field experience.

20A WIRE SIZING SCHEDULE (VOLTAGE DROP) ALL WIRE SIZES SHOWN ON BELOW SCHEDULE ARE

INTENDED TO BE MINIMUM ACCEPTABLE WIRE SIZE

THE FOLLOWING SCHEDULE IS TO BE USED TO SIZE WIRE FOR 20 AMP CIRCUITS (120 AND 277 VOLT). LENGTHS (ONE WAY) ARE INTENDED TO BE MAXIMUM.

120	VC	LT CIR	CUIT M	AX LEN	GTH (F1	Γ)
MAX	\	MAX	WIRE SIZ	Έ		
AMP	S	WATTS	#12	#10	#8	#6
5		600	200	325	490	770
10		1200	100	160	245	38
15		1800	70	110	165	25
277	VC	LT CIR	CUIT M	AX LEN	GTH (F1	Γ)
MAX	\	MAX	WIRE SIZ	Έ		
AMP	S	WATTS	#12	#10	#8	#6
5		1385	480	760	1170	186
10		2770	240	200	505	03/

160

250

City Plan Commission
Recommends Approval with Conditions

of Case No. CD-CPC-2024-00142 on 11-20-2024 CP-CPC-2024-00143

oala oupciallu, raior Secretary of the City Plan Commission

KANSAS CITY MISSOURI

LIG	HT FIXTURE	SCHEDULE							Si	ite Lighting
MARK	MANUFACTURER	MODEL	QUAN.	HEADS TYPE	VOLTS	MOUNTING	TOTAL WATTS	DESCRIPTION	NOTES	MARK
Α	COOPER	GALN-SA6-735-120-SL3-BPC	1	MA1038	120	25' POLE	321	SINGLE HEAD POLE MOUNTED FIXTURE	2,3,4,5	Α
В	COPPER	GALN-SA6-735-120-TW4-HSS-BPC	1	MA1039	120	25' POLE	321	SINGLE HEAD POLE MOUNTED FIXTURE	1,2,3,4,5	В
W	COOPER	ISC-SA1-730-U-SL4-TR-HSS-BPC	1	52W LED	120	WALL	45.2	WALL MOUNTED EXTERIOR LED FIXTURE - FULL CUTOFF	1,2,3	W

- 1. PROVIDE WITH HOUSESIDE SHIELD 2. PROVIDE WITH FIXTURE MOUNTED PHOTOCELL FOR DUST TO DAWN CONTROL
- 3. COLOR AS SELECTED BY ARCHITECT
- 4. CONTRACTOR TO VERIFY TENON SIZE
- 5. PROVIDE WITH 25' POLES STRUCTURALLY DESIGNED FOR HEAD QUANTITY.

ANCHOR BOLTS AND TEMPLATE BY

POLE MANUFACTURER.

IN PARKING LOTS OR NEXT TO HIGH

TRAFFIC AREAS, BASES SHALL BE 36"

LOCATE FACE OF POLE BASE 4'-0" FROM BACK OF CURB UNLESS SHOWN OTHERWISE.

PROVIDE A 1/2"x8' COPPER GROUND ROD

12" DIA. CONCRETE BASE APPLICABLE FOR MAXIMUM OF 12FT. TALL POLE. PROVIDE 18" DIA. CONCRETE BASE FOR 12FT.-20FT.

CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS.

REINFORCING STEEL SHALL BE

CONTRACTOR SHALL PROVIDE IN-LINE FUSING IN THE BASE OF EACH POLE. BUSSMAN TYPE HEB FUSE HOLDERS WITH TYPE KTK

FOR EACH POLE.

---- BASE COVER

- ANCHOR BOLTS AND

A. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION.

V I C	VIOUALT HOTOWILTRIO OTATIOTICO										
CALC ZONE		DISCRIPTION	AVERAGE	MAX	MIN	MAX/MIN	AVE/MIN	NOTES			
1	PARKING AREA	25' POLE WITH 3' CONCRETE BASE	2	8.1	0.1	8:0.1	2:0.1				

IES RECOMMENDED	Enhanced Security	Basic min
Min Horizontal Illuminance	0.5 fc	.2 fc
Max to Min	15:1	20:1
Min Vertical	0.25 fc	0.1 fc
Avg Horizontal	2.5 fc	1

VISUAL PHOTOMETRIC STATISTICS

