AN ORDINANCE APPROVING A COMMERCIAL PRELIMINARY DEVELOPMENT PLAN LOCATED AT 250 NW MCNARY COURT IN DISTRICT CP-2, IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 33, THE UNIFIED DEVELOPMENT ORDINANCE, OF THE CODE OF ORDINANCES FOR THE CITY OF LEE'S SUMMIT, MISSOURI.

WHEREAS, Application #PL2020-243 submitted by Premier Design Group requesting approval of a commercial preliminary development plan in District CP-2 (Planned Community Commercial District) on land located at 250 NW McNary Court was referred to the Planning Commission to hold a public hearing; and,

WHEREAS, the Unified Development Ordinance provides for the approval of a preliminary development plan by the City following public hearings by the Planning Commission and City Council; and,

WHEREAS, after due public notice in the manner prescribed by law, the Planning Commission held a public hearing for the request on January 7, 2021, and rendered a report to the City Council containing findings of fact and a recommendation that the preliminary development plan be approved; and,

WHEREAS, after due public notice in the manner prescribed by law, the City Council held a public hearing on February 2, 2021, and approved a motion for a second ordinance reading to approve the preliminary development plan for said property; and,

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF LEE'S SUMMIT, MISSOURI, as follows:

SECTION 1. That a preliminary development plan is hereby approved in District CP-2 on the following described property:

A tract of land being all of lot 3B, Summit Tec Annex – lots 3A, 3B, and 3C, a subdivision in Township 46 North, Range 31 West, in the City of Lee's Summit, Jackson County, Missouri, according to the recorded plat thereof, being a replat of lot 1 and tract a of block 3 of Summit Tec Industrial Park, a subdivision in the City of Lee's Summit, Jackson County, Missouri.

SECTION 2. That the following conditions of approval apply:

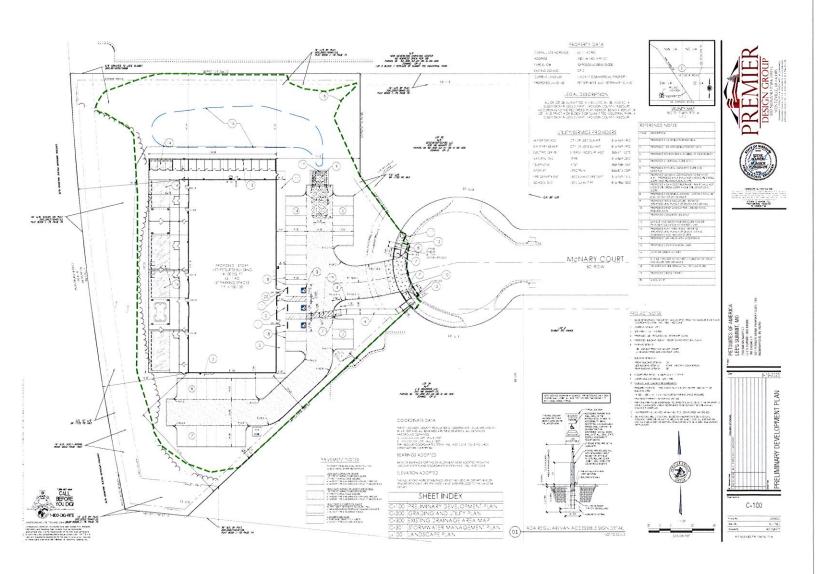
- 1. Development shall be in accordance with the site plan dated October 30, 2020.
- 2. Development shall be in accordance with the grading and utility plan dated on November 25, 2020.
- 3. Development shall be in accordance with the landscape plan, dated August 8, 2020.
- 4. The architectural style and building materials for the proposed new building shall be consistent with the building elevations date issued November 5, 2020.

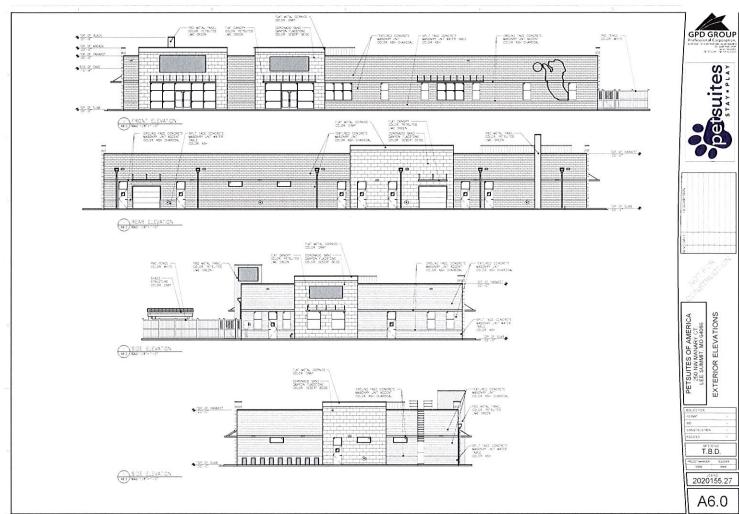
SECTION 3. Nonseverability. All provisions of this ordinance are so essentially and inseparably connected with, and so dependent upon, each other that no such provision would be enacted without all others. If a court of competent jurisdiction enters a final judgment on the merits that is not subject to appeal and that declares any provision or part of this ordinance void, unconstitutional, or unenforceable, then this ordinance, in its collective entirety, is invalid and shall have no legal effect as of the date of such judgment.

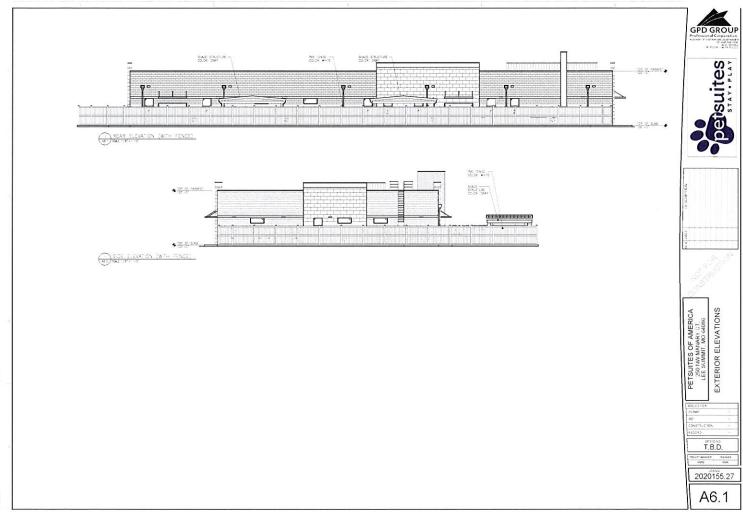
SECTION 4. That failure to comply with all of the provisions contained in this ordinance shall constitute violations of both this ordinance and Chapter 33, the City's Unified Development Ordinance, of the Code of Ordinances for the City of Lee's Summit.

SECTION 5. That this ordinance shall be in full force and effect from and after the date of its passage and adoption, and approval by the Mayor.

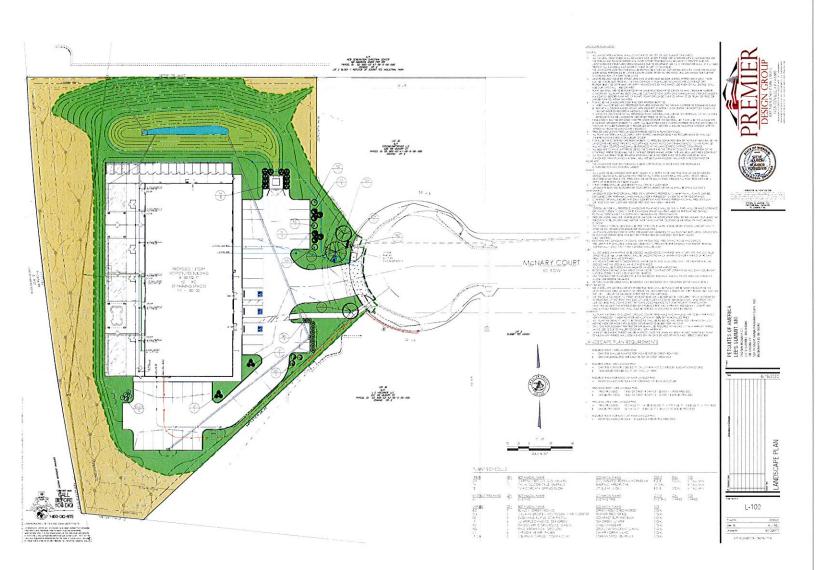
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PASSED by the City Council of the City of Lee's Summ	it, Missouri, thisday of
Floriary, 2021.	
	: M -
.365	Man (
ATTEST:	Mayor <i>William A. Baird</i>
O . O .	
Junia Joulis Oram	
City Clerk Trisha Fowler Arcuri	
APPROVED by the Mayor of said city thisday of _	February, 2021.
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ATTEST:	Mayor <i>William A. Baird</i>
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City Clerk Trisha Fowler Arcuri	
APPROVED AS TO FORM	







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# PRELIMINARY STORMWATER MANAGEMENT FACILITIES REPORT FOR



Site Address:

250 NW McNary Court Lee's Summit, MO 64086

Developer: TM Crowley 501 Pennsylvania Parkway Suite 160 Indianapolis, IN-46280— 630-441-0165

Prepared By:





Dated: November 3, 2020

314.925.7444 WWW.PREMIERCIVIL.COM

## STORMWATER FACILITIES MANAGEMENT REPORT Table of Contents

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#### Introduction

The proposed improvements that are depicted on the Preliminary Development Plan provides the design for the proposed development for Petsuites located at 250 NW McNary court. The development will increase the impervious area of the site therefore changing the characteristics of the stormwater runoff. The information supplied in this report will provide evidence that the Post Developed Stormwater Runoff has been mitigated appropriately with the Best Management Practices proposed for this development.

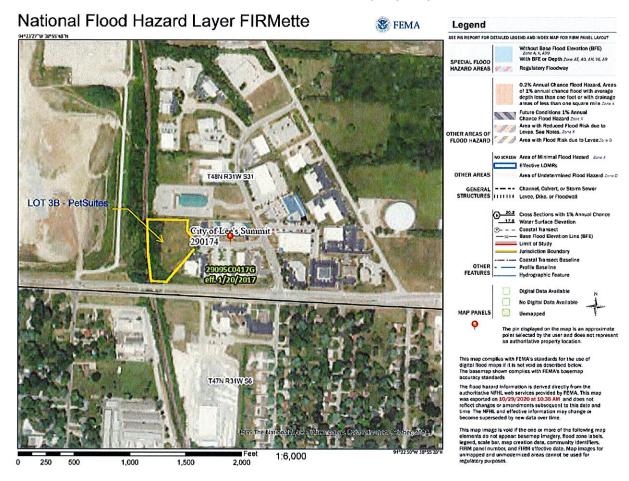
#### **Project Narrative**

TM Crowley is developing the subject property for Petsuites of America. The property size is ±2.11 acres and is located at the west end of the cul-de-sac on McNary Court. The proposed building will consist of a veterinary clinic and PetSuites for a total of 14,100 sq. ft. The overall drainage patterns of the existing area drain east to west towards the existing railroad.

#### **FEMA Classification**

This property is classified as Zone "X" areas outside the 100 year floodplain per 29095C0417G map effective date of 1/20/2017. There are no known flooding

#### issues. associated with this property.



#### Wetland and USACE Involvement

There are no wetlands listed associated with the national wetlands inventory.



Estuarine and Marine Deepwater Estuarine and Marine Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond Riverine

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

#### **Site Area Calculations**

Property Size	2.11 Acres
Pre-Development Condition	
2.11 Acres of Grass	CN=74
Post-Development Condition	
0.69 Acres of Impervious Area (Buildings and Pavement)	CN=98
1.42 Acres of Pervious Area	CN=74
"CN" Value Weighted Average	CN=82

#### Methodology

The methodology used for the project is Hydro CAD 10.10-3a for determination of SCS TR-55 hydrographs. The hydraulics for the project will be determined using Autodesk Civil 3D 2020 Storm Sewer Analysis. To determine the Storm Intensity and Frequency the overall project pre-development condition and post development condition was determined by the SCS method using NOAA's precipitation intensity data from their website.

#### **Existing Condition Analysis**

The summary of comprehensive control requirements shall be per 5601.5.A.4.and 5608.4 the "Comprehensive Control" release rate strategy. Assumed time of concentration associated with the areas were used to due to the minimal area to discharge locations.

The default strategy of comprehensive protection of the 1% (100 year event), 10% (10 year event) and 50% (2 year event) is being provided with this development. Comprehensive controls shall be the following:

- 50% storm peak rate less than nor equal to 0.5 cfs per site acre
- 10% storm peak rate less than nor equal to 2.0 cfs per site acre
- 1% storm peak rate less than nor equal to 3.0 cfs per site acre

**Existing Conditions Summary Table** 

ID J	RUNOFF (cfs)	TC	IMPERVIOUS AREA (ac.)	PERVIOUS AREA (ac.)	Total Area (ac.)	COMPOSITE C
∃ AREA A						
2-Year	2.79	30	0.99	0.175	1.17	94
10-Year	4.43	30	0.99	0.175	1.17	94
100-Year	6.58	30	0.99	0.175	1.17	94
AREA B						
2-Year	0.12	5	0.00	0.05	0.05	74
10-Year	0.24	5	0.00	0.05	0.05	74
100-Year	0.42	5	0.00	0.05	0.05	74
AREA C						
2-Year	0.35	5	0.00	0.15	0.15	74
10-Year	0.73	5	0.00	0.15	0.15	74
100-Year	1.27	5	0.00	0.15	0.15	74
AREA D						
2-Year	0.14	5	0.00	0.06	0.06	74
10-Year	0.29	5	0.00	0.06	0.06	74
100-Year	0.51	5	0.00	0.06	0.06	74
AREA E						
2-Year	6.56	20	1.84	0.325	2.17	94
10-Year	10.38	20	1.84	0.325	2.17	94
100-Year	15.41	20	1.84	0.325	2.17	94
AREA F						
2-Year	3.57	10	0.00	1.89	1.89	74
10-Year	7.6	10	0.00	1.89	1.89	74
100-Year	13.44	10	0.00	1.89	1.89	74
AREA G						
2-Year	0.04	10	0.00	0.02	0.02	74
10-Year	0.08	10	0.00	0.02	0.02	74
100-Year	0.14	10	0.00	0.02	0.02	74
AREA H						
2-Year	0.02	10	0.00	0.01	0.01	74
10-Year	0.04	10	0.00	0.01	0.01	74
100-Year	0.07	10	0.00	0.01	0.01	74

The site is an open field with a wooded area to the west. It is surrounded by commercial properties except the west which is railroad right of way. The existing runoff drains to the west. Due to the minimal TC and unknown relationship of discharge for the offsite basin we determined a 30 minute TC for Area A otherwise areas B, C and D were five minute time of concentrations. Area F, G, and H were given 10 minute time of concentrations representing the existing onsite conditions.

There are two points of interest associated with the existing conditions.

#### Existing Point of Interest #1

Point of Interest #1 – Existing Runoff to West of Site

This is in relationship to the property and the overland flow to the existing railway. The discharge associated with this is shown in Areas C, D, F, G and H. Area D drains offsite to the existing inlet at the street however its discharge associated with the project remains along with a small area of Area H that drains offsite however it is nominal of an area.

	NOFF (CTS)	IC IIVIPER	VIOUS AREA (ac.)	PERVIOUS AREA (ac.)	iotal Area (ac.)	COMPOSITE CN
□ AREA C						
2-Year	0.35	5	0.00	0.15	0.15	74
10-Year	0.73	5	0.00	0.15	0.15	74
100-Year	1,27	5	0.00	0.15	0.15	74
□ AREA D						
2-Year	0.14	5	0.00	0.06	0.06	74
10-Year	0.29	5	0.00	0.06	0.06	74
100-Year	0.51	5	0.00	0.06	0.06	74
<b>∃AREA F</b>						
2-Year	3.57	10	0.00	1.89	1.89	74
10-Year	7.6	10	0.00	1.89	1.89	74
100-Year	13.44	10	0.00	1.89	1.89	74
□ AREA G						
2-Year	0.04	10	0.00	0.02	0.02	74
10-Year	0.08	10	0.00	0.02	0.02	74
100-Year	0.14	10	0.00	0.02	0.02	74
<b>□ AREA H</b>						
2-Year	0.02	10	0.00	0.01	0.01	74
10-Year	0.04	10	0.00	0.01	0.01	74
100-Year	0.07	10	0.00	0.01	0.01	74
2-Year	4,12					
10-Year	8.74					
100-Year	15.43					

The values listed at the bottom of the table are the combined runoff for the storm events for the existing conditions for the runoff onsite that leads offsite or to the existing storm sewers.

#### Existing Point of Interest #2

This point of interest is in relationship with the neighboring stormwater runoff that is collected in what appears to be a water quality basin. This is noted as area A. A longer time of concentration was provided to address the ponding area and reduced release rate and timing. We considering this 30 minute TC as conservative and protects the proposed project from potentially overcompensating with a larger TC and our calculations would not handle to the correct amount of stormwater.

ID RUN	NOFF (cfs) TC IMPERVIC	US AREA (ac.) PERVIO	US AREA (ac.) Total	Area (ac.) COMP	OSITE CN
□ AREA A					
2-Year	2.79 30	0.99	0.175	1.17	94
10-Year	4.43 30	0.99	0.175	1,17	94
100-Year	6.58 30	0.99	0.175	1.17	94

#### Allowable Release Rate Calculation

Due to this project providing the comprehensive control strategy that is listed in the existing condition analysis, our storm peak rate is based from the Existing Point of Interest #1. Since our site area is larger than the area listed in Existing Point of Interest #1 a table has been provided of the allowed release rates.

	Release Rate Per Acre (ac per cfs)	<u>Site Area (ac.)</u>	Allowable release rate (c.f.s.)
2 Year	0.50	2.11	1.06
10 Year	2.00	2.11	4.22
100 Year	3.00	2.11	6.33

#### **Proposed Development Analysis**

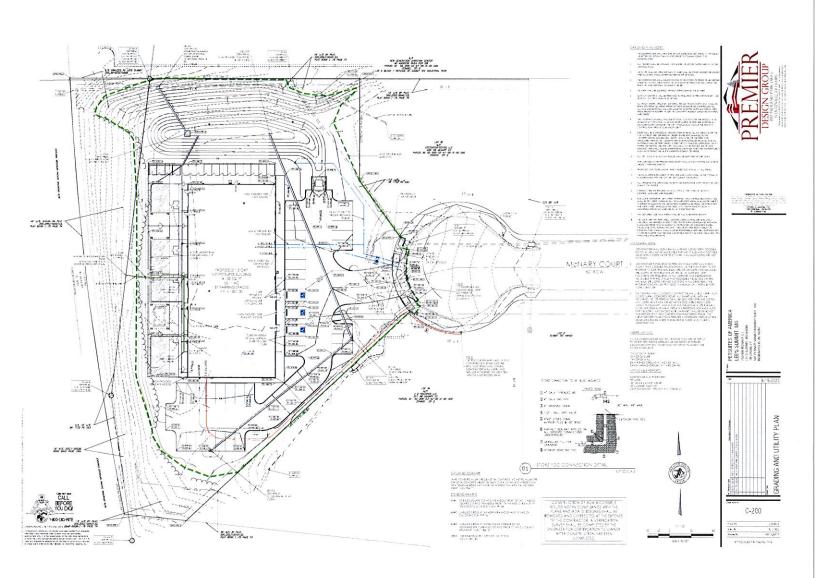
The proposed project will change the existing stormwater runoff by the increase of impervious area. The bypass areas have been mitigated to the maximum extent practical and the detention has accommodated for such areas. There is an overall reduction in the total runoff based on the proposed conditions as referenced in the Differential Runoff Table. The table was derived per the event tables from HydroCAD.

The proposed project will increase the impervious surface however it will reduce the runoff for the overall disturbed area per APWA 5600. This project proposes that areas that will route through the detention will meet the allowable release rate. The bypass areas consist of existing woodlands that will remain in place therefore to meet the requirements we would have to remove the existing vegetation in place.

Due to the orifice size for the WQv event designed at 1.5" the full water volume design cannot be obtained unless the orifice size is reduced to 0.67". Most municipalities in the Midwest with extended detention or channel protection requirements do not allow an orifice size less than 1.5". While we have a larger orifice size than the calculations state for the 40 hour extended detention, we are within 0.07 cfs of meeting the release rate.

#### **Proposed Drainage Conditions Analysis**

The proposed drainage area map that is referenced in the attachments provide a visual indicator for the runoff of each drainage area map. The proposed project will change the existing stormwater runoff by the increase of impervious area. The bypass areas have been mitigated to the maximum extent practical and the detention has accommodated for such areas. There is an overall reduction in the total runoff based on the proposed conditions as referenced in the Differential Runoff Table. The table was derived per the event tables from HydroCAD.





### **LEE'S SUMMIT** MISSOURI

#### **DEVELOPMENT REVIEW FORM** TRANSPORTATION IMPACT

DATE:

December 18, 2020

CONDUCTED BY: Michael K Park, PE, PTOE

**SUBMITTAL DATE:** 

November 9, 2020

PL2020243

PHONE: 816.969.1800

EMAIL: Michael.Park@cityofls.net

**APPLICATION #:** PROJECT NAME:

**PETSUITES OF AMERICA** 

PROJECT TYPE: Prel Dev Plan (PDP)

#### **SURROUNDING ENVIRONMENT (Streets, Developments)**

The proposed development is located northwest of the NW Chipman Road and NW Main Street intersection and zoned commercial. The site is bordered by commercial development to the north, east and south. The west side of the property abuts train tracks with additional commercial development west of the tracks.

#### **ALLOWABLE ACCESS**

The property is located at the end of a cul-de-sac, NW McNary Court, which intersects NW Commerce Drive. Due to the nature of cul-de-sacs, the property will have one access point for entrance and exit. In addition to the proposed driveway to this property, the cul-de-sac is shared with both neighboring business' drive entrances.

#### **EXISTING STREET CHARACTERISTICS** (Lanes, Speed limits, Sight Distance, Medians)

NW McNary Court is a two-lane access street with a 25 mph posted speed limit. Since there is no through traffic along NW McNary Court, the use of this road is minimal, primarily used only for vehicles accessing the businesses along the road. NW Commerce Drive is a two-lane commercial collector with a 25 mph posted speed limit. There are no sight distance issues at any of the proposed or existing intersections.

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YES X

No

All intersection spacing, turn lanes and other applicable criteria required by the Access Management Code have been satisfied and/or will be compliant as shown on the PDP.

#### **TRIP GENERATION**

Time Period	Total	In	Out
Weekday	454	227	227
A.M. Peak Hour	39	30	9
P.M. Peak Hour	50	14	36

TRANSPORT	ATIONI IN	ADACT	THIDY	Droine	ED3

YES

No 🖂

The proposed development will not likely generate more than 100 peak hour trips; a minimum condition in the Access Management Code for Traffic Impact Studies.

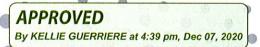
LIVABLE STREETS (Resolution 10-17)	COMPLIANT 🔀	EXCEPTIONS
Comprehensive Plan, associated attachments, and elements othe	Greenway Master Plan and erwise required by ordinance	nents identified in the City's adopted I Bicycle Transportation Plan es and standards, including but not icy adopted by Resolution 10-17 have
RECOMMENDATION: APPROVAL X Recommendations for Approval refer only to City Staff.		N/A STIPULATIONS do not constitute an endorsement from
Staff recommends approval of the	ne proposed development.	

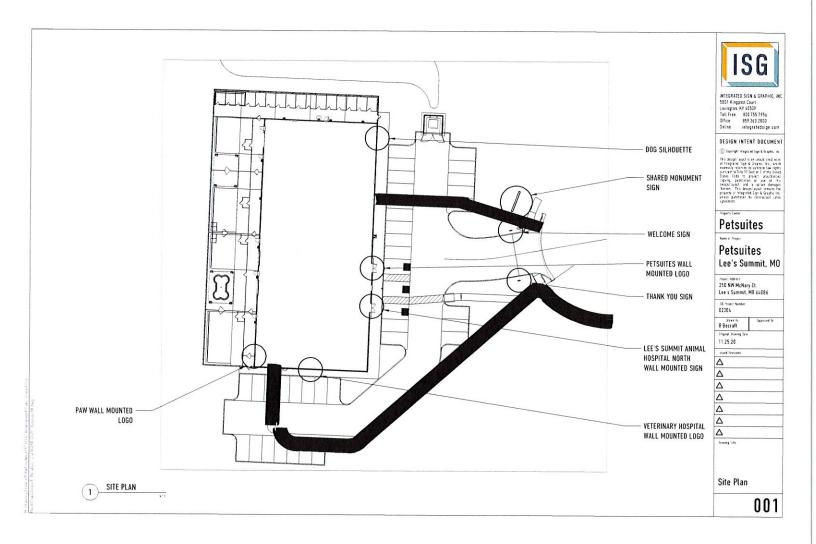


## **Petsuites**

Lee's Summit, MO Sign Package

11-30-2020





PetSuites Plum PetSuites Gray PMS Coo. Gray 7 CM\*K 36/100/G/13 CM\*K 42/13/35/1 RGB 74/13/102 RGB 153/153/154

PerSuites Lime PMS 375 C CMYK 45/0/100/0 RGB 149/214/0

Paint Colors

P-1 Murex Purple (MP (3563) Matthews Parit

P-2 Green (MP 77527) Matthews Pant - See attached Formula

Grey Shank (MP 13914) Matthews Paint

Translucent Vinyl Colors

Plum Purple [3M Scatchcal 3630-128]

V-2 Lime Green [3M Scotchca, 7128-138]

Trim Cap Colors

Gernini - Purple (2287)

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**Petsuites** 

**Petsuites** Lee's Summit, MO

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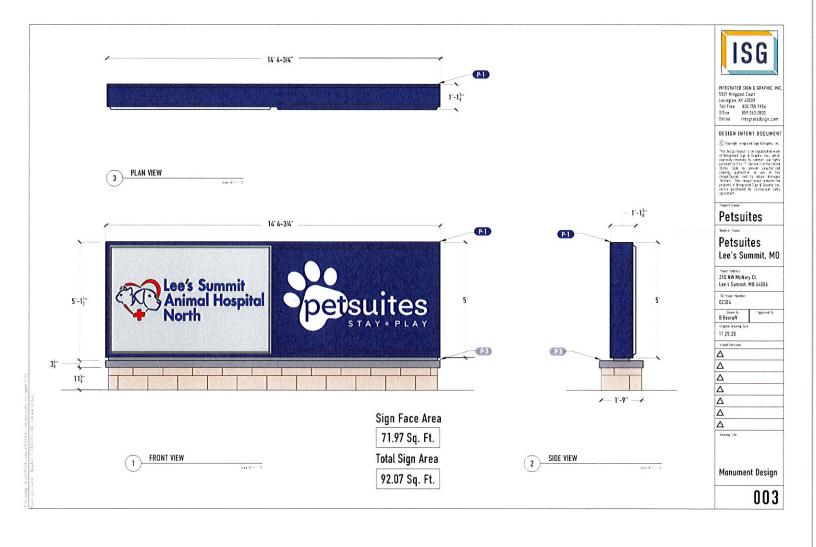
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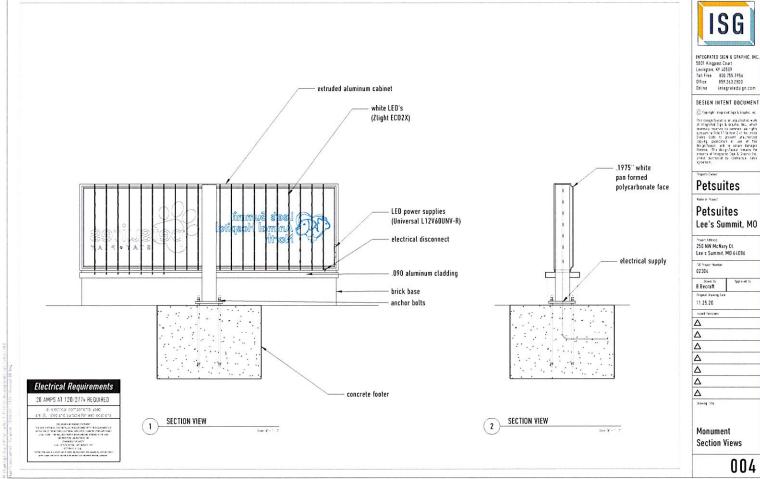
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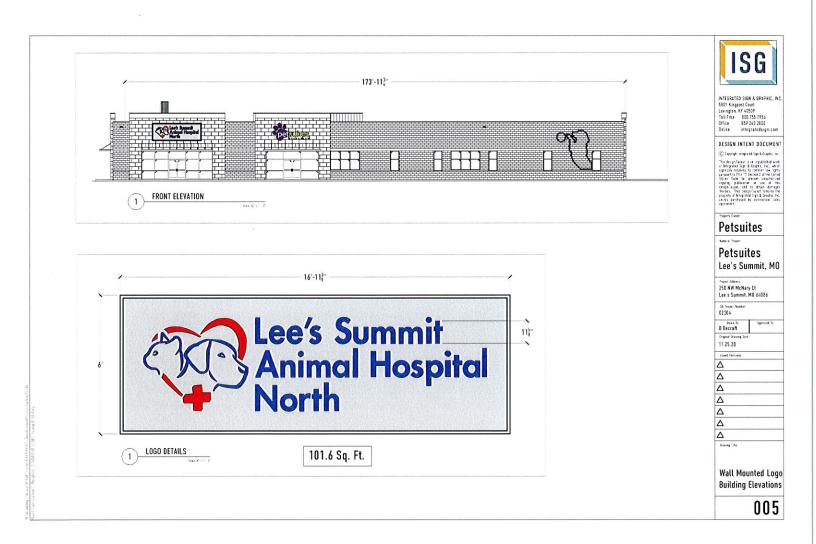
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Materials and Colors















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#### **Petsuites**

Name of Project

#### Petsuites Lee's Summit, MO

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Wall Mounted Logo Building Elevations







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#### Petsuites

Name of Project

#### Petsuites Lee's Summit, MO

250 NW McNary Ct Lee's Summit, MO 64086

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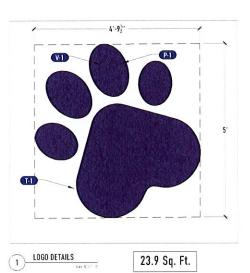
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Wall Mounted Logo Building Elevations





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#### **Petsuites**

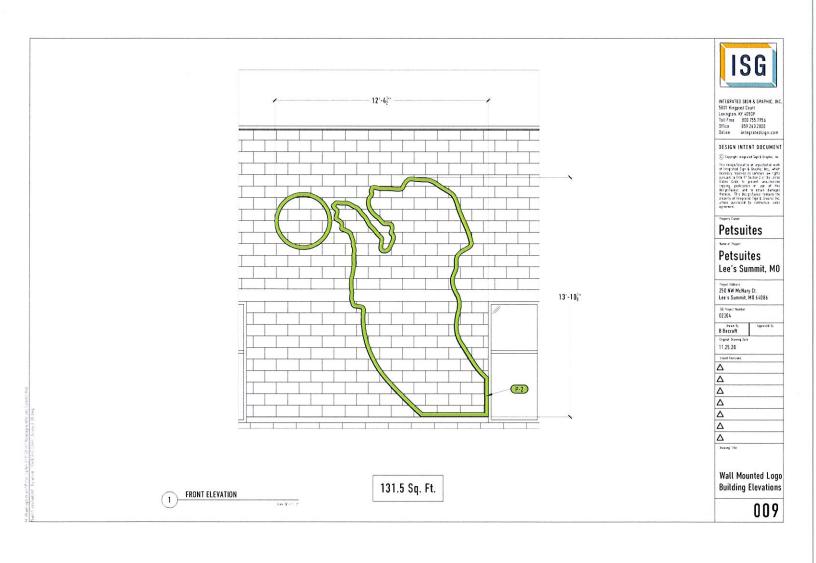
#### **Petsuites** Lee's Summit, MO

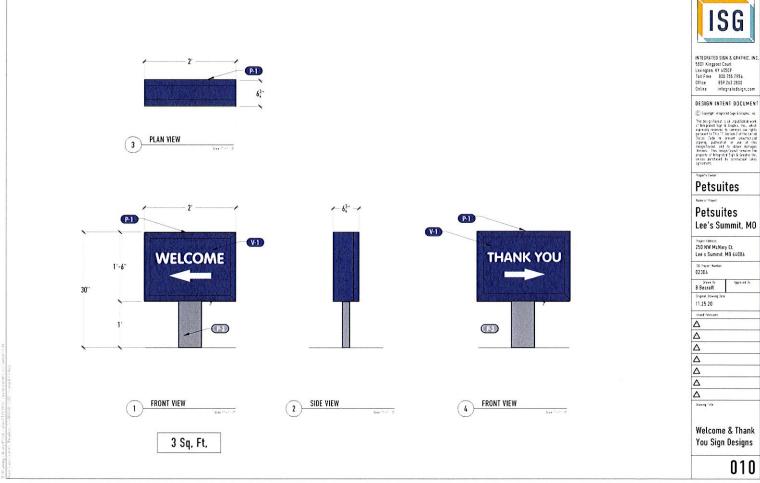
Project Address 250 NW McNary Ct. Lee's Summit, MO 64086

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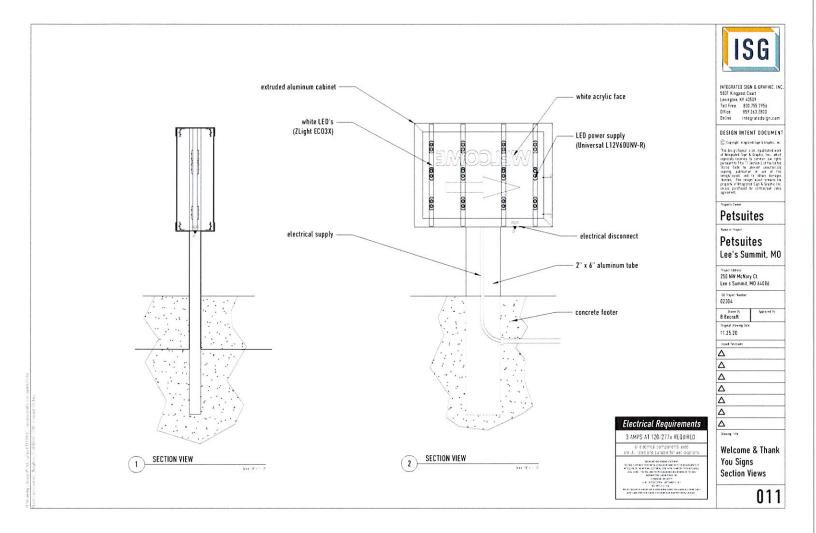
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Wall Mounted Logo Building Elevations





### Lee's Summit, MO



# PL2020-243 Preliminary Development Plan 250 NW McNary Court

