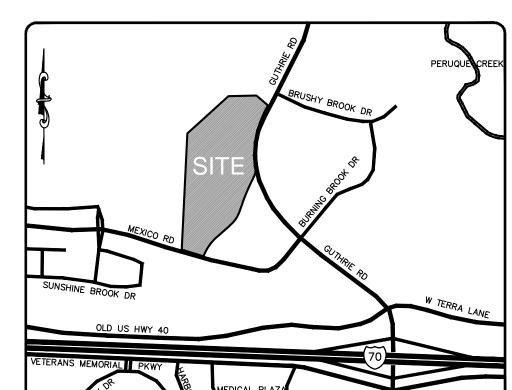
A TRACT OF LAND BEING PART OF SECTIONS 22 AND 27 TOWNSHIP 47 NORTH, RANGE 2 EAST, OF THE FIFTH PRINCIPAL MERIDIAN

CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI



Plan View

TYPICAL LOT DETAILS NTS

5,320 S.F. MIN.

20' BLDG. LINE

MAX. LOT 6' SIDE SETBACK

MIN.

SETBACK

MIN.

5,320 S.F. MIN.

COVERAGE 46%

20' BLDG. LINE 52'W MIN.

- SETBACK

Drawing Index

3.1

3.2-3.3

4.1

4.2-4.3

4.5-4.6

4.7

4.8-4.9

5.1

5.2-5.3

6.1

6.2-6.3

6.4-6.5

7.1

8.1-8.3

9.1-9.3

9.4

10.1

10.4-10.5

10.6-10.7

11.1

11.2-11.3

12.1

13.1-13.2

13.3-13.4

13.5

13.6

13.7-13.8

14.1

as follows:

COVER SHEET

**GENERAL NOTES** 

GRADING PLAN

**INITIAL SWPPP** 

SWPPP

SITE PLAN

UTILITY PLAN

**HYDRAULICS** 

UTILITY DETAILS

STREET PROFILES

DRAINAGE AREA MAP

WARPING DETAILS

PAVEMENT DETAILS

SEWER DETAILS

WATER DETAILS

**RETAINING WALL** 

\* City of O'Fallon Construction work hours per

October 1 through May 31

7:00 A.M. To 7:00 P.M. Monday Through Sunday

June 1 Through September 30

6:00 A.M. To 8:00 P.M. Monday Through Friday

7:00 A.M. to 8:00 P.M. Saturday and Sunday

City Ordinance 3429 as shown in section 500.420

of the Municipal Code of the City of O'Fallon are

PROFILES & DETAILS

LANDSCAPE PLAN

BASIN CROSS SECTIONS

MISCELLANEOUS DETAILS

**OVERALL SWPPP** 

SWPPP DETAILS

OVERALL SITE PLAN

OVERALL UTILITY PLAN

SANITARY SEWER PROFILES

EXISTING DRAINAGE AREA PLAN

OVERALL DRAINAGE AREA MAP

**EMERGENCY RELIEF PATH SECTIONS** 

DOWNSTREAM DEFENDER DETAILS

**BASIN & OUTFALL STRUCTURE DETAILS** 

STORM SEWER PROFILES

OVERALL GRADING PLAN

**OVERALL INITIAL SWPPP** 

OVERALL EXISTING CONDITIONS PLAN

**EXISTING CONDITIONS & DEMOLITION PLAN** 

SEDIMENT BASIN CALCULATIONS & DETAILS

WATER QUALITY & DETENTION DRAINAGE AREA PLAN

<b>EXISTING</b>	ELGEND	<u>PROPOSED</u>
— — — 542 — — — —	CONTOURS -	(542)
X 536	SPOT ELEVATIONS	XXX.X
	- CENTER LINE -	
	BUILDINGS, ETC.	
~~~~~~	TREE LINE	$\qquad \qquad $
XX	- FENCE -	x x
	SILTATION CONTROL FENCE -	— x — x — x —
	- STORM SEWERS -	
	- SANITARY SEWERS -	
EX.	CATCH BASIN	CI NO.
EX.	AREA INLET	AI NO.
EX. GI	GRATED INLET	GI NO.
EX.	DOUBLE CURB INLET	DCI
EX. MH	STORM MANHOLE	MH NO.
(EX )—S	SANITARY MANHOLE	(MH)
DI— (EX.)	FLARED END SECTION	FE NO.
	- CLEANOUT -	<u>co</u> <u></u>
	- LATERAL CONNECTION -	Т
0	UTILITY OR POWER POLE	
炭	FIRE HYDRANT	寒
<b>₽</b>	TEST HOLE	lacksquare
	PAVEMENT -	
	GAS MAIN & SIZE -	— (G) —— (G) —
	- WATER MAIN & SIZE -	(W) (W)
	- TELEPHONE -	(T) (T)
UE	- ELECTRIC (U) UNDERGROUND -	(UE) —
OHE	- ELECTRIC (O) OVERHEAD -	(OHE)
FO	- FIBER OPTIC -	(F0) (F0)
Æ	FLOW LINE	FL.
	TO BE REMOVED	TBR
то в	E REMOVED & RELOCATED/REPLA	ACED TBRR
TC	TOP OF CURB	(TC)
	- SWALE -	<del>~~</del> ~~ ~~ ~~ ~~
*	LIGHT STANDARD	*
<del>-\$ _</del>	STREET SIGN	<u>-\$ </u>
P.S. Elec	PARKING STALLS	P.S.
<del>-</del>	YARD LIGHT	$\times$

5,320 S.F. MIN.

COVERAGE 46%,

- 20' BLDG. LINE

### **BENCHMARKS:**

DATUM HAS BEEN ESTABLISHED VIA A GPS REAL TIME KINEMATIC NETWORK PUBLISHED BY THE MISSOURI DEPARTMENT OF TRANSPORTATION (MODOT RTK), USING PUBLISHED BASE STATION 'MOOF" WITH A PID OF DM4688 AND OBSERVING SITE BENCHMARK #1. THE SECOND SITE BENCHMARK HAS BEEN ESTABLISHED BY DIRECT READING USING CONVENTIONAL SURVEY EQUIPMENT FROM SITE BENCHMARK #1. THE ELEVATIONS PUBLISHED HEREON ARE RELATIVE TO THE NORTH AMERICAN

SITE BENCHMARK #1: ELEVATION = 575.79' (NAVD 88)

FEET WEST OF AN UTILITY POLE WITH A TRANSFORMER TO THE NORTH OF MEXICO ROAD, AND 40.0

SITE BENCHMARK #2: ELEVATION = 528.16' (NAVD 88)

FEET WEST OF THE EDGE OF PAVEMENT. APPROXIMATELY 30.8 FEET SOUTHWEST OF A FOUND IRON (P.B. 48, PGS, 304-305), AND 41.8 FEET SOUTH OF THE CENTER LID OF THE SOUTHERN LID OF A DUAL CURB INLET LOCATED ON THE EASTERN SIDE OF GUTHRIE ROAD, AND 135.0 FEET NORTH OF THE

# SURVEYOR'S LAND DESCRIPTION:

THENCE ALONG LAST SAID EAST LINE OF THE MERKLIN PROPERTY, SOUTH 02° 45' 18" WEST, 1212.49 FEET TO THE POINT OF BEGINNING, CONTAINING 956,813 SQUARE FEET OR 21.9654 ACRES, MORE OF LESS, ACCORDING TO A SURVEY PERFORMED BY THE STERLING COMPANY, DURING APRIL, 2017, UNDER ORDER No. 17-02-041

# Conditions of Approval From Planning and Zoning

#### This approval would be contingent upon the following

- 1. The developer shall contribute funds to the City in the amount of \$20,000, including the value of the in-kind contribution of right-of-way, to install a signalized intersection to be located at Guthrie Road and Mexico Road.
- Provide approval of the proposed street names from St. Charles County. Provide a temporary school bus drop off lane per the Wentzville School District letter along Mexico Road.
- Provide information to confirm that Old Guthrie Road right—of—way has been properly vacated. The relocation of the retaining walls in the rear yard of the lots so that the entire rear yard of the lots are accessible to the lot owners shall be
- addressed on the Construction Site Plans. The applicant shall abide by the Municipal Code Requirements

- 2. The water connection to the City of Wentzville is required, and both municipalities will need to approve the plans. The connection must be metered to measure flow in each direction and include isolation valves to be controlled by each municipality. Coordination with the City of Wentzville will be required to determine what requirements they have, and a letter of approval from Wentzville will be required prior to construction plan approval. A hydraulic analysis report for the water distribution system has been submitted to the City. To assist in the review of the hydraulic analysis, the City
- is hiring an engineering firm to update the City's hydraulic model and to review and provide comments on the report. Prior to construction plan approval, any comments that are generated as a result of the review of this report must be incorporated. 4. The development may require modifications to the existing Brookside Lift station, and a report on the modifications has been received by the City. The City is currently hiring an engineering firm to assist in the review and to provide comments on the sewer lift station report. This review will include looking at current actual flow data coming into the lift station, to confirm the accuracy of planning factors used and assumptions made in the report.
- Comments that are generated as a result of the review of this lift station report will require incorporation and approval prior to approval of construction plans. The results of this review are not anticipated to be available until the end of August. Any required modifications shall be determined by the City in consultation with the City's independent experts and consultants.
- 5. Right of way shall be dedicated to the City totaling the 84 foot width, starting from the established right—of—way line along the east side of Guthrie
- There may be stacking concerns due to the mailbox kiosk proximity to Mexico Road. Work with City staff to address the parking space configuration with the construction plans. The road pull—off parking area will be private maintenance by the HOA. This detail will be identified on the construction plans so that a 26' wide section of pavement remains public maintenance via a joint or curb, separating the street from the parking area. Provide written confirmation from the USPS prior to construction plan approval that states their preferred method and location of mail delivery.

## **Project Data**

1. TOTAL SITE AREA: 21.96 ACRES 18.44 ACRES 2. TOTAL DISTURBED

PER FLOOD INSURANCE RATE MAP PANEL NUMBER 29183C0210G DATED JANUARY 20, 2016 & MAP PANEL NUMBER 29183C0220G DATED JANUARY 20, 2016, THIS SITE IS ZONED X, DESCRIBED AS AREAS OUTSIDE THE 500-YEAR FLOODPLAIN.

4. TREE PRESERVATION CALCS: =16.87 ACRES TREES REMOVED =13.16 ACRES

=3.71 ACRES (22.0%) TREES SAVED TREES REQUIRED TO BE SAVED =3.37 (20.0%) NO PLANTING MITIGATION IS REQUIRED.

COMPLIED WITH CHAPTER 402, SECTION 402.040

5. ESTIMATED SANITARY SEWER FLOW = 28,490 GALLONS/DAY

### Zoning and Density Notes

GROSS PROPOSED RESIDENTIAL AREA OF SITE: 21.95 ACRES PROPOSED RIGHT-OF-WAY DEDICATION ALONG MEXICO RD.: 0.10 ACRES (0.46%) PROPOSED RIGHT-OF-WAY DEDICATION ALONG GUTHRIE RD.: 0.31 ACRES (1.41%) PROPOSED RIGHT-OF-WAY WITHIN RESIDENTIAL: 2.97 ACRES (13.53%) 18.57 ACRES (84.60%) NET PROPOSED RESIDENTIAL AREA: CURRENT ZONING: R-1 - P.U.D., SINGLE FAMILY RESIDENTIAL

GUTHRIE PARTNERS, LLC CURRENT OWNER: 5055 HWY N, SUITE 215 COTTLEVILLE, MO 63304 DWELLING UNITS ALLOWED:

TOTAL SITE AREA: PROPOSED RIGHT-OF-WAY: 3.38 ACRES DETENTION AREA: 0.47 ACRES EXISTING FLOODPLAIN: 0.00 ACRES

DWELLING UNITS PROPOSED = 77 UNITS

= <u>18.10 ACRES X 43,560 SQ. FT.</u> 10,000 SQ. FT. DWELLING UNITS ALLOWED = 78 UNITS ALLOWED

RESIDENTIAL SPACES REQUIRED: (2.0 SPACES/UNIT)x(77 UNITS)= 154 SPACES RESIDENTIAL SPACES PROVIDED: 154 SPACES

COMMON GROUND: 5.50 ACRES FOR CONSTRUCTION BY: DATE January 30, 2018 PROFESSIONAL ENGINEER'S SEAL INDICATES

CITY OF O'FALLON COMMUNITY

DEVELOPMENT DEPARTMENT ACCEPTED

RESPONSIBILITY FOR DESIGN

**DEVIATIONS FROM R-1 ZONING DISTRICT** 

R-1 REGULATIONS

10,000 S.F.

100 FT.

25 FT.

25 FT.

35%

MIN. LOT SIZE

MIN. LOT WIDTH

MIN. LOT DEPTH

REAR YARD

LOT COVERAGE

PROPOSED 5,320 S.F.

52 FT.

100 FT.

20 FT.

**Utility Contacts** 

Sanitary Sewer City of O'Fallon 100 N. Main St. O'Fallon, MO. 63366

Duckett Creek Sanitary District O'Fallon, MO. 63368

City of O,Fallon 100 N. Main St O'Fallon, MO. 63366 Contact: 636-281-2858

Missouri American Water Co. 727 Craig Rd. St. Louis. MO. 63141

1-866-430-0820

Public Water Supply District No. 2 P.O. Box 967 O'Fallon, MO. 63366 Storm Sewer City of O'Fallon 100 N. Main St.

636-281-2858 Curve River Electric Co.

636-639-8312

O'Fallon, MO. 63366

P.O. Box 160 Troy, MO. 63379-0160 1-800-392-3709 Ameren UE 200 Callahan Road Wentzville, MO. 63385

Laclede Gas Company 6400 Graham Road St. Louis, MO. 63134 314-522-2297

Telephone Centurylink 1151 Century Tel Dr. Wentzville, MO. 63385 636-332-7261 Fire Department

O'Fallon Fire Protection District 119 E. Elm St. O'Fallon, MO, 63366 636-272-3493

Wentzville Fire District 209 West Pearce Blvd. Wentzville, MO. 63385

-Cottleville Fire Protection District 1385 Motherhead Rd. St. Charles, MO. 63304 <del>-636-447-6655</del>



SEAN ACKLEY LICENSE # PE-2009018679 Civil Engineer

SHE

**P+Z No**. 17-005894

City No. 17-008288 Date: 01/11/18 **Job No.** 17-02-041

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