

15 YEAR STORM

STRUCTURE NUMBER	GRASS AREA (ACRES)	P.I. FACTOR (GRASS)	GRAVEL AREA (ACRES)	P.I. FACTOR (PCP)	PAVT. AREA (ACRES)	P.I. FACTOR (PVMT)	ROOF AREA (ACRES)	P.I. FACTOR	TOTAL AREA (ACRES)	TOTAL Q (CFS)
2	0.48	1.70	0.00	3.15	0.56	3.54	0.15	3.54	1.19	3.33
4	0.00	1.70	0.00	3.15	0.06	3.54	0.02	3.54	0.08	0.28
5	0.02	1.70	0.00	3.15	0.26	3.54	0.03	3.54	0.31	1.06
7	0.18	1.70	0.00	3.15	0.03	3.54	0.41	3.54	0.62	1.86
10	0.00	1.70	0.00	3.15	0.04	3.54	0.00	3.54	0.04	0.14
11	0.00	1.70	0.00	3.15	0.05	3.54	0.03	3.54	0.08	0.28

100 YEAR STORM

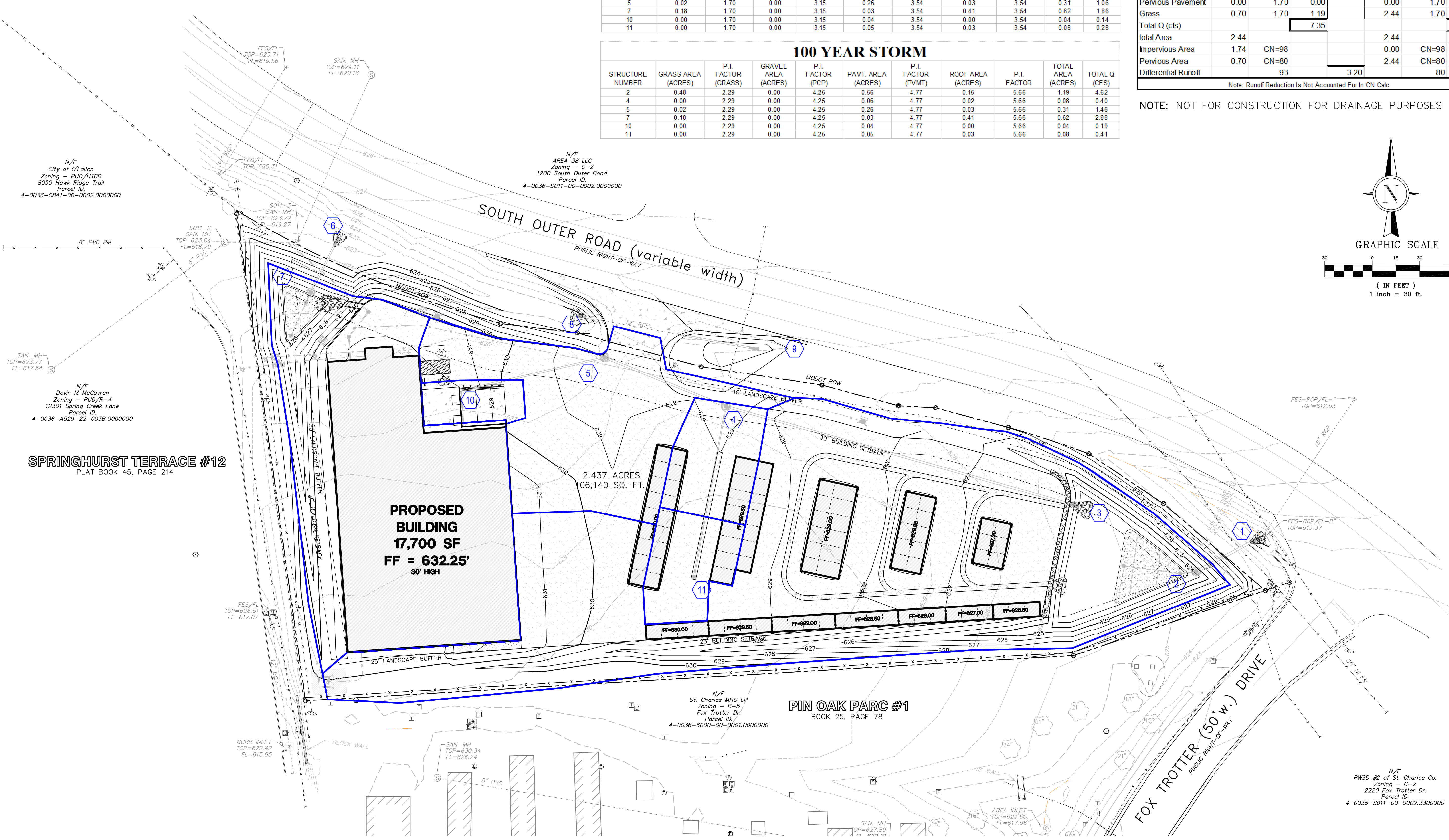
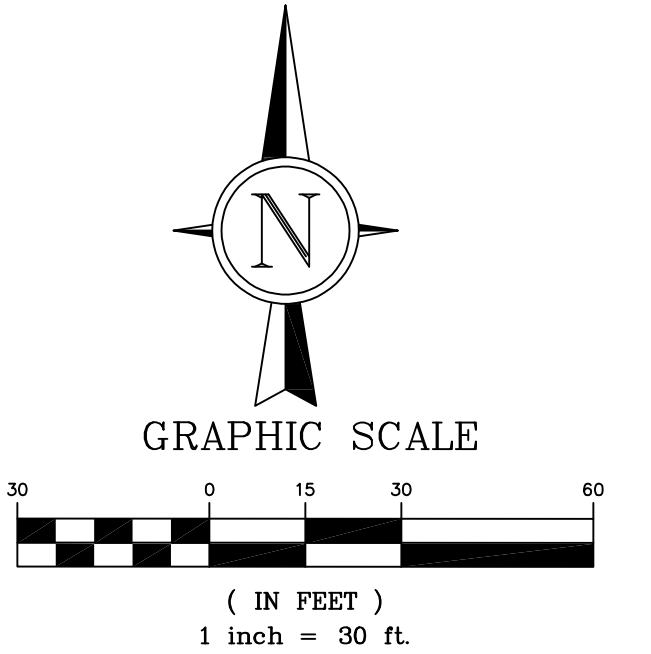
STRUCTURE NUMBER	GRASS AREA (ACRES)	P.I. FACTOR (GRASS)	GRAVEL AREA (ACRES)	P.I. FACTOR (PCP)	PAVT. AREA (ACRES)	P.I. FACTOR (PVMT)	ROOF AREA (ACRES)	P.I. FACTOR	TOTAL AREA (ACRES)	TOTAL Q (CFS)
2	0.48	2.29	0.00	4.25	0.56	4.77	0.15	5.66	1.19	4.62
4	0.00	2.29	0.00	4.25	0.06	4.77	0.02	5.66	0.08	0.40
5	0.02	2.29	0.00	4.25	0.26	4.77	0.03	5.66	0.31	1.46
7	0.18	2.29	0.00	4.25	0.03	4.77	0.41	5.66	0.62	2.88
10	0.00	2.29	0.00	4.25	0.04	4.77	0.00	5.66	0.04	0.19
11	0.00	2.29	0.00	4.25	0.05	4.77	0.03	5.66	0.08	0.41

DIFFERENTIAL CALCS (Lot Area)

PROPOSED	ACRES	PIFACTOR	Q (CFS)	EXISTING	ACRES	PIFACTOR	Q (CFS)
Roof	0.00	4.20	0.00		0.00	4.20	0.00
Roof (disconnected)	0.66	3.54	2.34		0.00	3.54	0.00
Pavement	1.08	3.54	3.82		0.00	3.54	0.00
Pervious Pavement	0.00	1.70	0.00		0.00	1.70	0.00
Grass	0.70	1.70	1.19		2.44	1.70	4.15
Total Q (cfs)			7.35				4.15
total Area	2.44				2.44		
Impervious Area	1.74	CN=98			0.00	CN=98	
Pervious Area	0.70	CN=80			2.44	CN=80	
Differential Runoff			93				80
							3.20

Note: Runoff Reduction Is Not Accounted For In CN Calc

NOTE: NOT FOR CONSTRUCTION FOR DRAINAGE PURPOSES ONLY



N/F
City of O'Fallon
Zoning - PUD/HTCD
8050 Hawk Ridge Trail
Parcel ID:
4-0036-C841-00-0002.0000000

N/F
AREA 38 LLC
Zoning - C-2
1200 South Outer Road
Parcel ID:
4-0036-S011-00-0002.0000000

N/F
Devin M McGarran
Zoning - PUD/R-4
12301 Spring Creek Lane
Parcel ID:
4-0036-A529-22-003B.0000000

SPRINGHURST TERRACE #12
PLAT BOOK 45, PAGE 214

N/F
St. Charles MHC LP
Zoning - R-5
Fox Trotter Dr.
Parcel ID:
4-0036-6000-00-0001.0000000

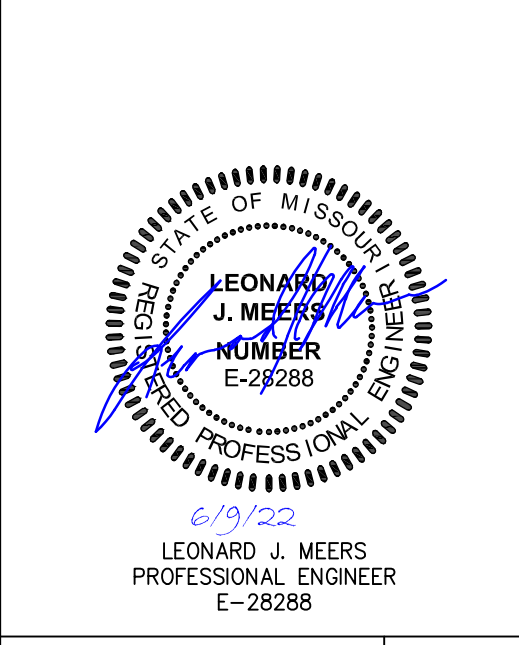
PIN OAK PARC #1
BOOK 25, PAGE 78

N/F
PWS #2 of St. Charles Co.
Zoning - C-2
2220 Fox Trotter Dr.
Parcel ID:
4-0036-S011-00-0002.3300000

NO.	DESCRIPTION	DATE
1	CITY COMMENTS	02-24-2022
2	CITY/UTIL COMMENTS	03-14-2022

PROJECT TITLE
OFALLON
U-HAUL
1200 S. OUTER ROAD
OFALLON, MO 63366

GRIMES CONSULTING, INC.
Civil Engineering & Surveying Services
GRIMES CONSULTING, INC.
PROFESSIONAL ENGINEER CORPORATION, E-1470-D
PROFESSIONAL LAND SURVEYING CORPORATION, LS-543-D
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FAX: (314) 849-6010



Developer / Owner Information
UHAUL
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PROPOSED DRAINAGE AREA MAP

P+Z No.
Approval Date:
City No.
Page No.
C10.0

PREPARED FOR:
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