



EXISTING ONSITE DRAINAGE AREAS (O'FALLON)							
I.D.	Total Area (ac.)	Grass (ac.)	Pavement (ac.)	Roof (ac.)	15-yr Comp. PI	15-yr Flow, Q (cfs)	15-yr Flow, Q x 1.1* (cfs)
1	1.68	1.68	0.00	0.00	1.70	2.86	3.14
CUMULATIVE TOTALS							
to Structure							
Surface Flow to Private Access Drive							

EXISTING OFFSITE DRAINAGE AREAS (O'FALLON)							
I.D.	Total Area (ac.)	Grass (ac.)	Pavement (ac.)	Roof (ac.)	15-yr Comp. PI	15-yr Flow, Q (cfs)	15-yr Flow, Q x 1.1* (cfs)
OFF1	0.26	0.10	0.16	0.00	2.81	0.73	0.80
OFF2	0.21	0.21	0.00	0.00	1.70	0.36	0.39
OFF3	0.07	0.03	0.04	0.00	2.73	0.19	0.21
OFF4	0.12	0.04	0.08	0.00	2.90	0.35	0.38
OFF5	0.12	0.00	0.12	0.00	3.50	0.42	0.46
CUMULATIVE TOTALS							
0.78 0.38 0.40 0.00 2.05 2.25							

NOTE: REFER TO DRAINAGE MAP BOUNDARIES PREPARED BY COCHRAN ENGINEERING FOR "STREETS OF CALEDONIA" DATED AUGUST 2020 FOR INTENDED COLLECTION TO DETENTION BASIN.

CITY OF O'FALLON
 Design Storm: 15-yr., 20-min.
 (per CITY OF O'FALLON) for Storm Sewer Sizing:
 Roof PI=3.5; Pavement PI=3.5; Grass PI=1.7;
 Discharge Body: Dardenne Creek



fgma

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DATE 08/25/2021

ISSUANCE

NO	DATE	DESCRIPTION
1.	08/25/21	CITY SUBMITTAL
2.	09/22/21	2nd CITY SUBMITTAL
3.	10/06/21	3rd CITY SUBMITTAL
4.	11/22/21	4th CITY SUBMITTAL (BID SET)

O'FALLON, MO MOTOMART NEW CONVENIENCE CENTER AND CARWASH AND CARWASH FKG OIL COMPANY

EXISTING DRAINAGE AREA MAP

SHEET NO. **C8.0**

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