

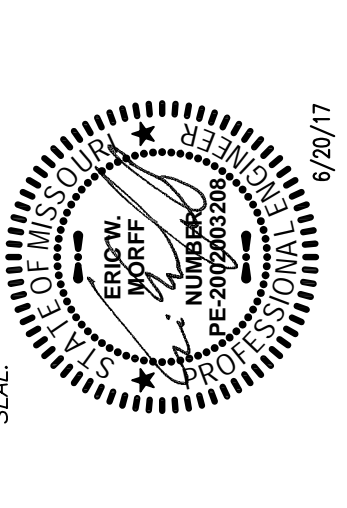
**DRAINAGE AREA CALCULATIONS**

AREA	RUNOFF FACTOR (15-YEAR)
PERVIOUS	1.87
IMPERVIOUS	3.85
ROOF	3.85

DRAINAGE AREA	PROPOSED CONDITIONS (INLET SIZING)			FUTURE CONDITIONS (PIPE SIZING)			TOTAL AREA (ACRES)	INLET SIZING		TRIBUTARY STRUCTURES
	PERVIOUS AREA (ACRES)	IMPERVIOUS AREA (ACRES)	ROOF AREA (ACRES)	PERVIOUS AREA (ACRES)	IMPERVIOUS AREA (ACRES)	ROOF AREA (ACRES)		Q <sub>s</sub> (CFS)	Q <sub>15</sub> (CFS)	
A	8.14	0.10	0.00	8.14	0.10	0.00	8.24	15.61	15.61	34
B	0.26	0.07	0.00	0.00	0.33	0.00	0.33	0.76	1.27	3.11
C	0.05	0.72	0.00	0.05	0.72	0.00	0.77	2.87	2.87	3.9
D	0.09	0.24	0.00	0.09	0.24	0.00	0.33	1.09	1.09	3.8
E	0.00	0.31	0.00	0.00	0.31	0.00	0.31	1.19	1.19	3.7
F	0.00	0.81	0.00	0.00	0.81	0.00	0.81	3.12	3.12	3.6
G	0.00	1.06	0.00	0.00	1.06	0.00	1.06	4.08	4.08	
H	0.00	1.59	0.00	0.00	1.59	0.00	1.59	6.12	6.12	
I	0.00	0.56	0.00	0.00	0.56	0.00	0.56	2.16	2.16	
J	0.00	0.67	0.00	0.00	0.67	0.00	0.67	2.58	2.58	
K	0.15	0.42	0.00	0.00	0.57	0.00	0.57	1.90	2.19	5.4
L	0.44	0.34	0.00	0.00	0.78	0.00	0.78	2.13	3.00	5.3
M	0.03	0.26	0.00	0.03	0.26	0.00	0.29	1.06	1.06	5.2
N	0.01	0.04	0.00	0.01	0.04	0.00	0.05	0.17	0.17	5.1
O	0.00	1.09	0.00	0.00	1.09	0.00	1.09	4.20	4.20	4.2
P	0.07	0.84	0.00	0.07	0.84	0.00	0.91	3.36	3.36	4.1
Q	0.07	0.15	0.00	0.00	0.22	0.00	0.22	0.71	0.85	5.11
R	0.00	4.89	0.00	0.00	4.89	0.00	4.89	18.83	18.83	
S	0.00	2.57	0.00	0.00	2.57	0.00	2.57	9.89	9.89	
T	0.00	0.76	0.00	0.00	0.76	0.00	0.76	2.93	2.93	
U	0.41	0.00	0.00	0.41	0.00	0.00	0.41	0.77	0.77	
V	0.00	0.97	0.00	0.00	0.97	0.00	0.97	3.73	3.73	
W	3.00	0.00	0.00	3.00	0.00	0.00	3.00	5.61	5.61	
A1	0.15	0.18	0.00	0.15	0.18	0.00	0.33	0.97	0.97	32
B1	0.09	0.13	0.00	0.07	0.15	0.00	0.22	0.67	0.71	23
C1	0.21	0.12	0.00	0.05	0.28	0.00	0.33	0.85	1.17	22
D1	0.72	0.00	0.00	0.18	0.54	0.00	0.72	1.35	2.42	28
E1	0.05	0.12	0.00	0.01	0.16	0.00	0.17	0.56	0.63	25
F1	0.38	0.12	0.00	0.09	0.41	0.00	0.50	1.17	1.75	26
G1	1.24	0.00	0.00	0.31	0.93	0.00	1.24	2.32	4.16	29
H1	1.05	0.00	0.00	0.26	0.79	0.00	1.05	1.96	3.53	27
I1	0.58	0.00	0.00	0.14	0.44	0.00	0.58	1.08	1.96	19
J1	0.33	0.00	0.00	0.08	0.25	0.00	0.33	0.62	1.11	18
K1	0.06	0.10	0.00	0.02	0.14	0.00	0.16	0.50	0.58	11
L1	0.08	0.15	0.00	0.02	0.21	0.00	0.23	0.73	0.85	13
M1	3.74	0.00	0.00	0.93	2.81	0.00	3.74	6.99	12.56	17
N1	0.00	0.22	0.00	0.00	0.22	0.00	0.22	0.85	0.85	14
O1	0.00	0.16	0.00	0.00	0.16	0.00	0.16	0.62	0.62	16
P1	0.67	0.05	0.00	0.18	0.54	0.00	0.72	1.45	2.42	15
Q1	0.41	0.10	0.00	0.10	0.41	0.00	0.51	1.15	1.77	10
R1	0.09	0.08	0.00	0.02	0.15	0.00	0.17	0.48	0.61	10
S1	0.04	0.24	0.00	0.04	0.24	0.00	0.28	1.00	1.00	30

NO	REVISION DESCRIPTION	DATE
1	CLIENT/CITY/AGENCY COMMENTS	6/20/17
2	REVISED SANITARY SEWER ALIGNMENT	6/20/17
3	CLIENT/CITY/AGENCY COMMENTS	6/20/17
4	CLIENT/CITY/AGENCY COMMENTS	6/20/17

DEVELOPER/OWNER:  
**40 DD SPORTS, LLC**  
 460 EHLMAIN ROAD  
 ST. PETERS, MO 63376  
 636-369-0621



MISSOURI RUSH  
 SOCCER COMPLEX  
 CALEDONIA DRIVE  
 O'FALLON, MO 63366  
**DRAINAGE AREA MAP**

+ ST. LOUIS  
 1155 1/2th Street  
 Suite 200  
 St. Louis, MO 63103  
 314.984.9887 tel  
 www.colestl.com

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DRAWN BY	BSJ
CHECKED BY	EWM
DRAWING SCALE	AS SHOWN
DATE	4/28/17
Job Number	16-0042-A
Sheet Number	C9.0

USER: Brian Johnson, TAB: DM  
 DATE: June 20, 2017 - 10:33:24 AM  
 DRAWING: S:\005\16-0042\16-0042\CADD\C-Plan\PrintSheets\16-0042.dwg

OUTFALL #1

OUTFALL #2

**THIS SHEET IS FOR DRAINAGE CALCULATION PURPOSES ONLY AND NOT TO BE USED AS CONSTRUCTION PLANS**