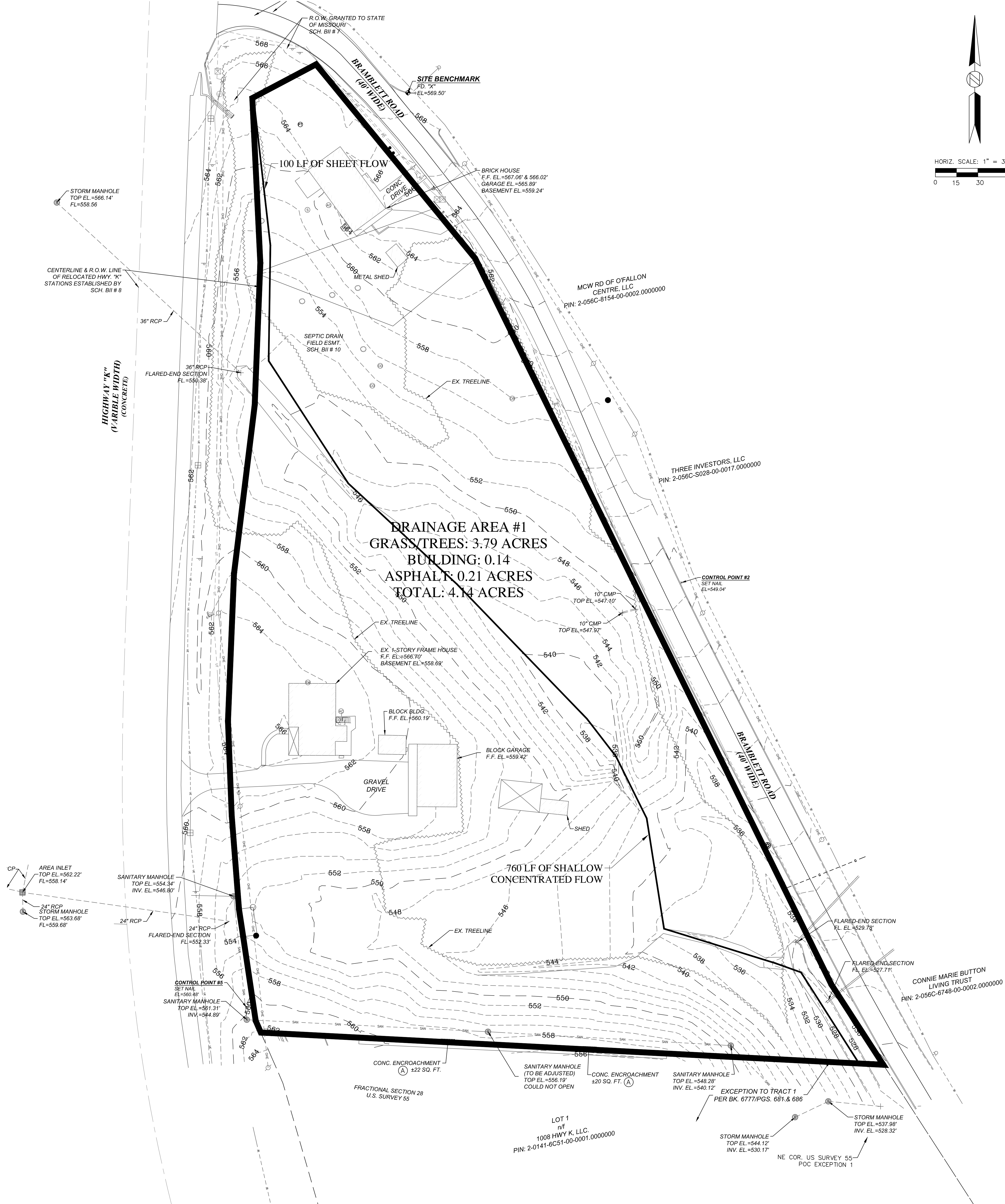


P.I. FACTOR IN CUBIC FEET PER SECOND PER ACRE												
DURATION OF RAIN IN MINUTES	IMPERVIOUS	15-YEAR RAINFALL FREQUENCY						20-YEAR RAINFALL FREQUENCY				
		15	20	30	60	90	120	15	20	30	60	90
0	1.98	1.81	1.62	1.22	1.04	0.92	1.95	1.88	1.80	1.29	1.08	0.96
5	1.70	1.70	1.59	1.17	1.08	0.95	1.78	1.78	1.69	1.24	1.11	0.99
10	1.80	1.79	1.68	1.33	1.12	0.97	1.87	1.87	1.77	1.40	1.15	1.02
15	1.91	1.89	1.78	1.38	1.15	1.00	1.98	1.97	1.85	1.45	1.19	1.05
20	2.01	2.00	1.88	1.43	1.18	1.03	2.09	2.09	1.95	1.50	1.22	1.07
25	2.12	2.09	1.92	1.49	1.22	1.06	2.20	2.18	2.03	1.56	1.26	1.10
30	2.23	2.19	2.00	1.54	1.26	1.08	2.31	2.28	2.11	1.61	1.30	1.13
35	2.33	2.28	2.09	1.58	1.29	1.11	2.42	2.38	2.20	1.68	1.33	1.16
40	2.44	2.39	2.18	1.63	1.32	1.13	2.53	2.50	2.30	1.71	1.37	1.18
45	2.54	2.48	2.26	1.69	1.37	1.16	2.64	2.59	2.38	1.78	1.41	1.22
50	2.65	2.58	2.33	1.74	1.40	1.19	2.75	2.69	2.46	1.83	1.44	1.24
55	2.76	2.67	2.41	1.78	1.43	1.22	2.86	2.78	2.54	1.89	1.48	1.27
60	2.86	2.76	2.50	1.85	1.47	1.24	2.97	2.89	2.63	1.94	1.52	1.30
65	2.97	2.89	2.57	1.90	1.51	1.27	3.08	3.00	2.71	1.99	1.56	1.33
70	3.07	2.97	2.66	1.94	1.54	1.29	3.19	3.10	2.81	2.04	1.59	1.35
75	3.18	3.06	2.74	2.00	1.58	1.32	3.30	3.19	2.89	2.10	1.63	1.38
80	3.28	3.15	2.81	2.05	1.62	1.35	3.41	3.29	2.98	2.15	1.67	1.41
85	3.39	3.24	2.90	2.10	1.65	1.38	3.52	3.38	3.06	2.21	1.70	1.44
90	3.50	3.36	2.98	2.16	1.68	1.40	3.63	3.50	3.14	2.27	1.74	1.46
95	3.60	3.45	3.07	2.21	1.72	1.43	3.74	3.60	3.24	2.32	1.78	1.50
100	3.71	3.54	3.15	2.26	1.75	1.45	3.85	3.70	3.32	2.37	1.81	1.52
RAINFALL	5.30	4.80	3.70	2.40	1.85	1.53	5.30	4.80	3.50	2.52	1.82	1.60

TABLE 4-2

P.I. VALUES FOR VARIOUS IMPERVIOUS CONDITIONS
(15 YEAR & 20 YEAR RAINFALL FREQUENCIES)

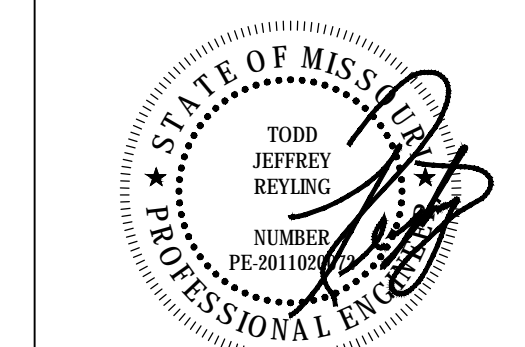


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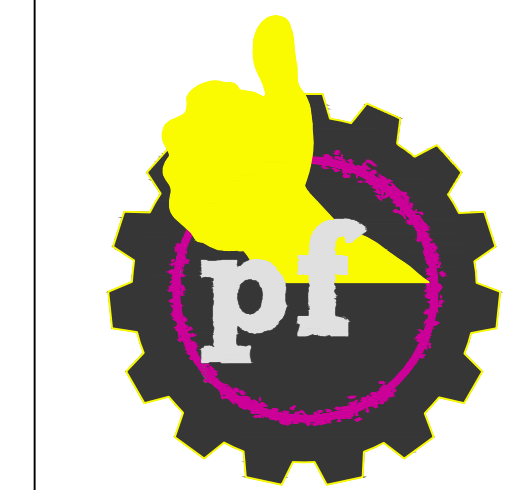
Missouri Firm License: 2016012969
 MO Certificate of Authority: LC001485066

RDC Project No. 20-115



LICENSE EXPIRES - 12.31.2023
 DATE SIGNED - 12.01.2021

ENGINEER OF RECORD:
 Todd J. Reyling, PE
 Missouri PE 2011020072



New Ground Up Building for:
PLANET FITNESS
 914 Highway K
 O'Fallon, MO 63366
 St. Charles County
 MTSTUDIO PROJECT NUMBER

ISSUED / REVISED	DATE
ISSUED TO CITY	05.12.2021
REVISED PER CITY COMMENTS	07.20.2021
REVISED PER CITY COMMENTS	08.10.2021
REVISED PER RETAINING WALL	11.19.2021
REVISED PER CITY COMMENTS	12.01.2021

Existing
 Drainage
 Area Map
C400