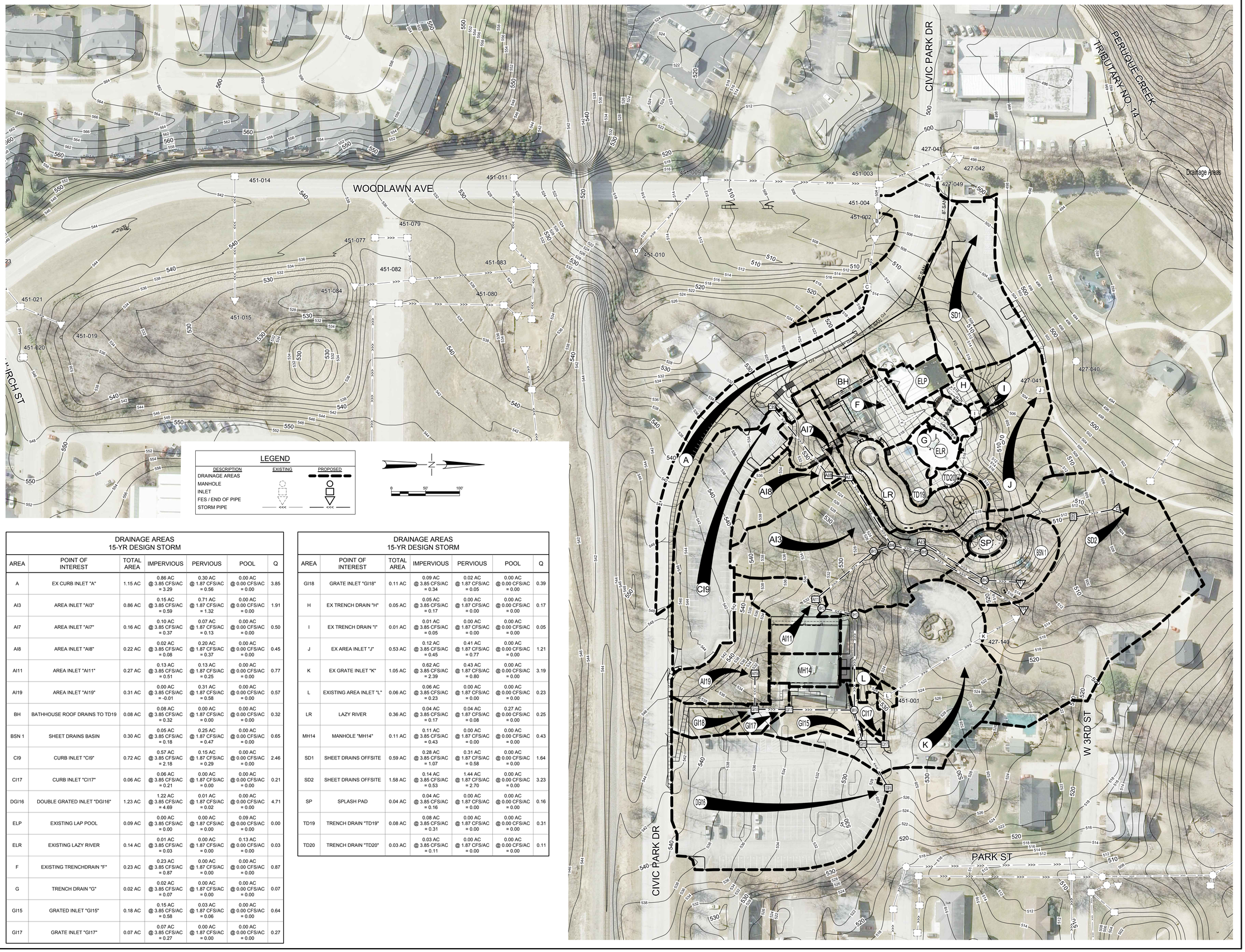

DRAINAGE AREAS 15-YR DESIGN STORM

AREA	POINT OF INTEREST	TOTAL AREA	IMPERVIOUS	PERVIOUS	POOL	Q
A	EX CURB INLET "A"	1.15 AC	0.86 AC @ 3.85 CFS/AC = 3.29	0.30 AC @ 1.87 CFS/AC = 0.56	0.00 AC @ 0.00 CFS/AC = 0.00	3.85
AI3	AREA INLET "AI3"	0.86 AC	0.15 AC @ 3.85 CFS/AC = 0.59	0.71 AC @ 1.87 CFS/AC = 1.32	0.00 AC @ 0.00 CFS/AC = 0.00	1.91
AI7	AREA INLET "AI7"	0.16 AC	0.10 AC @ 3.85 CFS/AC = 0.37	0.07 AC @ 1.87 CFS/AC = 0.13	0.00 AC @ 0.00 CFS/AC = 0.00	0.50
AI8	AREA INLET "AI8"	0.22 AC	0.02 AC @ 3.85 CFS/AC = 0.08	0.20 AC @ 1.87 CFS/AC = 0.37	0.00 AC @ 0.00 CFS/AC = 0.00	0.45
AI11	AREA INLET "AI11"	0.27 AC	0.13 AC @ 3.85 CFS/AC = 0.51	0.13 AC @ 1.87 CFS/AC = 0.25	0.00 AC @ 0.00 CFS/AC = 0.00	0.77
AI19	AREA INLET "AI19"	0.31 AC	0.00 AC @ 3.85 CFS/AC = -0.01	0.31 AC @ 1.87 CFS/AC = 0.58	0.00 AC @ 0.00 CFS/AC = 0.00	0.57
BH	BATHHOUSE ROOF DRAINS TO TD19	0.08 AC	0.08 AC @ 3.85 CFS/AC = 0.32	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.32
BSN 1	SHEET DRAINS BASIN	0.30 AC	0.05 AC @ 3.85 CFS/AC = 0.18	0.25 AC @ 1.87 CFS/AC = 0.47	0.00 AC @ 0.00 CFS/AC = 0.00	0.65
CI9	CURB INLET "CI9"	0.72 AC	0.57 AC @ 3.85 CFS/AC = 2.18	0.15 AC @ 1.87 CFS/AC = 0.29	0.00 AC @ 0.00 CFS/AC = 0.00	2.46
CI17	CURB INLET "CI17"	0.06 AC	0.06 AC @ 3.85 CFS/AC = 0.21	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.21
DGI16	DOUBLE GRATED INLET "DGI16"	1.23 AC	1.22 AC @ 3.85 CFS/AC = 4.69	0.01 AC @ 1.87 CFS/AC = 0.02	0.00 AC @ 0.00 CFS/AC = 0.00	4.71
ELP	EXISTING LAP POOL	0.09 AC	0.00 AC @ 3.85 CFS/AC = 0.00	0.00 AC @ 1.87 CFS/AC = 0.00	0.09 AC @ 0.00 CFS/AC = 0.00	0.00
ELR	EXISTING LAZY RIVER	0.14 AC	0.01 AC @ 3.85 CFS/AC = 0.03	0.00 AC @ 1.87 CFS/AC = 0.00	0.13 AC @ 0.00 CFS/AC = 0.00	0.03
F	EXISTING TRENCHDRAIN "F"	0.23 AC	0.23 AC @ 3.85 CFS/AC = 0.87	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.87
G	TRENCH DRAIN "G"	0.02 AC	0.02 AC @ 3.85 CFS/AC = 0.07	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.07
GI15	GRATED INLET "GI15"	0.18 AC	0.15 AC @ 3.85 CFS/AC = 0.58	0.03 AC @ 1.87 CFS/AC = 0.06	0.00 AC @ 0.00 CFS/AC = 0.00	0.64
GI17	GRATE INLET "GI17"	0.07 AC	0.07 AC @ 3.85 CFS/AC = 0.27	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.27

DRAINAGE AREAS 15-YR DESIGN STORM

AREA	POINT OF INTEREST	TOTAL AREA	IMPERVIOUS	PERVIOUS	POOL	Q
GI18	GRATE INLET "GI18"	0.11 AC	0.09 AC @ 3.85 CFS/AC = 0.34	0.02 AC @ 1.87 CFS/AC = 0.05	0.00 AC @ 0.00 CFS/AC = 0.00	0.39
H	EX TRENCH DRAIN "H"	0.05 AC	0.05 AC @ 3.85 CFS/AC = 0.17	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.17
I	EX TRENCH DRAIN "I"	0.01 AC	0.01 AC @ 3.85 CFS/AC = 0.05	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.05
J	EX AREA INLET "J"	0.53 AC	0.12 AC @ 3.85 CFS/AC = 0.45	0.41 AC @ 1.87 CFS/AC = 0.77	0.00 AC @ 0.00 CFS/AC = 0.00	1.21
K	EX GRATE INLET "K"	1.05 AC	0.62 AC @ 3.85 CFS/AC = 2.39	0.43 AC @ 1.87 CFS/AC = 0.80	0.00 AC @ 0.00 CFS/AC = 0.00	3.19
L	EXISTING AREA INLET "L"	0.06 AC	0.06 AC @ 3.85 CFS/AC = 0.23	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.23
LR	LAZY RIVER	0.36 AC	0.04 AC @ 3.85 CFS/AC = 0.17	0.04 AC @ 1.87 CFS/AC = 0.08	0.27 AC @ 0.00 CFS/AC = 0.00	0.25
MH14	MANHOLE "MH14"	0.11 AC	0.11 AC @ 3.85 CFS/AC = 0.43	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.43
SD1	SHEET DRAINS OFFSITE	0.59 AC	0.28 AC @ 3.85 CFS/AC = 1.07	0.31 AC @ 1.87 CFS/AC = 0.58	0.00 AC @ 0.00 CFS/AC = 0.00	1.64
SD2	SHEET DRAINS OFFSITE	1.58 AC	0.14 AC @ 3.85 CFS/AC = 0.53	1.44 AC @ 1.87 CFS/AC = 2.70	0.00 AC @ 0.00 CFS/AC = 0.00	3.23
SP	SPLASH PAD	0.04 AC	0.04 AC @ 3.85 CFS/AC = 0.16	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.16
TD19	TRENCH DRAIN "TD19"	0.08 AC	0.08 AC @ 3.85 CFS/AC = 0.31	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.31
TD20	TRENCH DRAIN "TD20"	0.03 AC	0.03 AC @ 3.85 CFS/AC = 0.11	0.00 AC @ 1.87 CFS/AC = 0.00	0.00 AC @ 0.00 CFS/AC = 0.00	0.11

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PROFESSIONAL ENGINEER
8/16/17

CIVIC PARK IMPROVEMENTS

O'Fallon Parks and Rec
Civic Park, O'Fallon, Missouri

MARK	DATE	DESCRIPTION

SFS PROJECT NO: 16962
ISSUED FOR: CONSTRUCTION DOCUMENTS
ISSUE DATE: 07/27/2017

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PROPOSED DRAINAGE AREA MAP

C5-03

K:\OFALLON MOMO\160194 SFS OFALLON CIVIC PARK\08 CADD\07 CIVIL\SHEETS\941_C5-03 - PROPOSED DRAINAGE AREA MAP.DWG
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