

OWNER: CITY OF LEE'S SUMMIT, MISSOURI /
ZONED: RP-3 (PLANNED RESIDENTIAL MIXED USE)

**WEST VILLAGE
COMMERCIAL
DEVELOPMENT,
LOTS 1-3**

AI #2081

FOUND 1/2" STEEL ROD WITH CAP
STAMPED "ASC KLS3 MLS76D"
ON PROPERTY CORNER

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON AS-BUILT SURVEYS BY CFS ENGINEERS, DATED NOVEMBER 18, 2020 AND UPDATED FEBRUARY 4, 2021; FEBRUARY 24, 2021; MARCH 5, 2021; AND MARCH 25, 2021. CATALYST DESIGN GROUP IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY.

GRADING & DRAINAGE KEYNOTES

CODE	DESCRIPTION	DET #/SHT #
G1A	SINGLE CURB INLET	7 / C7.1
G1B	DOUBLE CURB INLET	5 / C7.3
G2	CATCH BASIN	6 / C7.2
G3	JUNCTION MANHOLE	1, 2, 4 / C7.3
G5	CLEANOUT	8 / C7.1
G6	POND OUTLET STRUCTURE	3 / C7.3
G7	EXTENDED DRY DETENTION POND	-
G8	CONCRETE HEADWALL - WINGED	6 / C7.3
G9	RIP-RAP OUTLET PROTECTION	1 / C7.4
G11	6" BUILDING DOWNSPOUT CONNECTION	10 / C7.1
G12	DETENTION POND EMERGENCY SPILLWAY	-

STRUCTURE TABLE

CODE	DESCRIPTION	TOP GRATE
A1	POND OUTLET	966.20
A2	JUNCTION MANHOLE	966.22
B1	HEADWALL	971.49
B2	CLEANOUT	978.70
B3	CATCH BASIN	977.67
B4	CLEANOUT	977.10
B5	CLEANOUT	979.00
B6	CLEANOUT	978.75
B7	CLEANOUT	978.40
B8	CLEANOUT	978.15
B9	CLEANOUT	978.30
C1	CLEANOUT	978.70
C2	CLEANOUT	978.28
C3	CLEANOUT	978.25
C4	CLEANOUT	978.67
C5	CLEANOUT	978.88
D1	HEADWALL	NA
D2	SINGLE CURB INLET	976.19
D3	SINGLE CURB INLET	976.30
D4	DOUBLE CURB INLET	976.15
EX A1 #2081	EXISTING POND OUTLET	977.00
EX AL#1202	EXISTING CATCH BASIN	966.20

PIPE TABLE

FROM CODE	FROM INV.	TO CODE	TO INV.	GRADE (%)	SIZE (INCHES)	LENGTH (L.F.)	TYPE
A1	958.88	EX AL#1202	948.85	-5.41%	24"	163	RCP
A2	957.82	A1	949.17	-5.41%	15"	69	RCP
B2	962.79	B1	958.12	-6.31%	12"	74	HDPE
B3	971.31	B2	963.84	-7.64%	12"	18	HDPE
B4	973.39	B3	972.70	-0.90%	10"	69	HDPE
B5	974.11	B4	973.39	-1.00%	10"	73	HDPE
B6	974.36	B5	974.11	-1.00%	10"	25	HDPE
B7	974.57	B6	974.36	-1.00%	10"	41	HDPE
B8	975.09	B7	974.77	-1.00%	10"	32	HDPE
B9	975.23	B8	975.09	-1.00%	10"	14	HDPE
C1	973.31	B2	972.32	-12.63%	10"	8	HDPE
C2	973.62	C1	973.31	-1.00%	10"	31	HDPE
C3	974.22	C2	973.62	-1.00%	10"	59	HDPE
C4	974.92	C3	974.22	-1.00%	10"	70	HDPE
C5	975.30	C4	974.92	-1.00%	10"	38	HDPE
D2	969.00	D1	963.50	-15.89%	12"	35	HDPE
D3	970.60	D2	963.15	-15.26%	12"	34	HDPE
D4	973.50	D3	968.44	-5.54%	12"	39	HDPE
EX A1 #2081	967.00	A2	971.00	-1.34%	15"	186	RCP
EX AL#1202	966.20	A2	966.64	-0.41%	15"	74	RCP

STORM WATER LEGEND

CB #1170
TOP ELEVATION = 980.66
F/L NORTH 15" RCP = 975.44
F/L SOUTHEAST 15" HDPE = 974.81

CB #1206
TOP ELEVATION = 981.70
F/L SOUTH 15" RCP = 976.20
F/L EAST = 976.70
(UNKNOWN PIPE SIZE & TYPE)
TCB = 980.76

CB #1173
TOP ELEVATION = 980.74
F/L SOUTH 15" RCP = 976.04

CB #1115
TOP ELEVATION = 968.97
F/L NORTH 15" RCP = 964.47
F/L SOUTH 15" RCP = 963.62
F/L EAST 15" RCP = 963.97
TCB = 968.01

AI #1202
TOP ELEVATION = 959.95
F/L NORTHEAST 15" RCP = 952.24
F/L SOUTHWEST 24" RCP = 948.65
TCB = 958.57

CB #1085
TOP ELEVATION = 961.05
F/L NORTH 15" RCP = 954.50
F/L SOUTHWEST 15" RCP = 954.30
TCB = 960.10

AI #2081
TOP ELEVATION = 973.94
F/L EAST 15" RCP = 967.09

SSMH #1148
TOP ELEVATION = 978.52
F/L NORTH 15" RCP = 972.38
F/L SOUTH 15" RCP = 972.28
F/L NORTHWEST 15" HDPE = 974.04

SEWER LEGEND

SSMH #1019
TOP ELEVATION = 959.22
F/L NORTHEAST 6" PVC = 947.82
F/L SOUTH 6" PVC = 947.67

BENCHMARK LEGEND

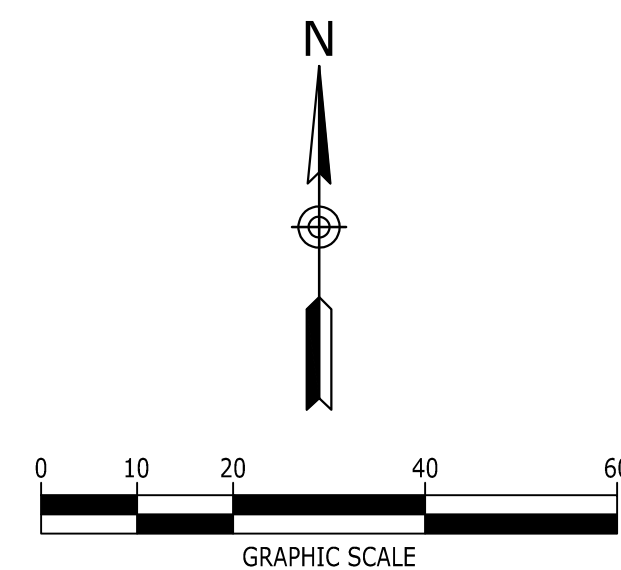
BM #1148
TOP ELEVATION RIM OF SWMH = 978.52
DATUM = NAVD83

LEGEND

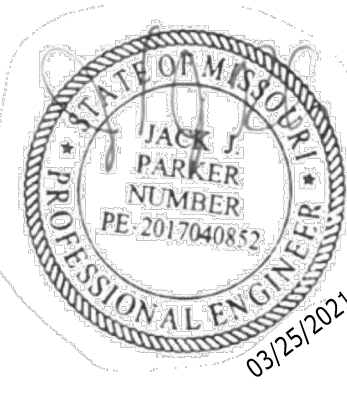
STORM PIPE & INLET	
SPOT ELEVATION	
PROPOSED CONTOUR ELEV.	
DRAINAGE STRUCTURE	



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CONSTRUCTION DRAWINGS
DCI - LEE'S SUMMIT

2001 NW SHAMROCK AVENUE
LEE'S SUMMIT, MISSOURI, 64081
JACKSON COUNTY

DATE	REVISIONS PER CITY COMMENTS	DESCRIPTION
03/11/2020		STORM REVISIONS
01/09/2020		REVISIONS PER CITY COMMENTS

DRAWING TITLE
**GRADING &
DRAINAGE PLAN**

RECORD

PROJECT NUMBER
20180111

DRAWING NUMBER

C5.0

