Estimated Cut / Fill Quantities	
Site Area	17.72 Acres
Cut Volume (Unadjusted)	30,198 c.y.
Fill Volume (Unadjusted)	33,320 c.y.
Street & Sidewalk Cut Volume	2,327c.y.
Net Excess	795 c.y. (Unadjusted)(Cut)

Notes

1. Contractor is responsible for verifying all existing utility locations prior to excavation
2. There are no known natural or artificial water storage detention areas, or wetlands in the area designated for construction
3. No part of the project lies within the 100 year flood plain
4. All erosion and sediment control measures need to be implemented prior to construction
5. Additional erosion control may be required by the City Engineer, Design Engineer or Owner at any time problematic areas are noted in the field or existing measures are found to be ineffective
6. Soil Stabilization of disturbed areas shall be completed within 14 days of construction inactivity
7. Contractor responsible for all density testing of roadway subgrade and granular base.

RECORD DRAWING
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Title: Engineer
Firm: Engineering Solutions

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PARK RIDGE 8TH PLAT
Section 9, Township 48 North, Range 31 West
Lee's Summit, Jackson County, Missouri

Project: PARK RIDGE
Issue Date: March 17, 2021

Master Drainage Plan 1 of 3:
Grading Plan
PARK RIDGE 8TH PLAT
Section 9, Township 48 North, Range 31 West
Lee's Summit, Jackson County, Missouri

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER PE-2006019708
PROFESSIONAL ENGINEER

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REVISIONS
3/31/2022 As-Built

C.200

GRAPHIC SCALE
0 25' 50' 100'

North

SPOT ELEVATIONS

SCALE: 1" = 50'

Lot Number	Basement Type	MBOE
362	Full	952.20
363	Full	
364	Full	
365	Full	
366	Full	
367	Full	
368	Full	
369	Daylight	
370	Full	
371	Full	
372	Full	
373	Full	
374	Full	
375	Full	
376	Full	
377	Full	
378	Full	
379	Full	
380	Walkout	
381	Walkout	
382	Walkout	
383	Walkout	
384	Walkout	
385	Walkout	
386	Walkout	
387	Walkout	
388	Walkout	
389	Walkout	
390	Walkout	
391	Walkout	

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PARK RIDGE 8TH PLAT
Section 9, Township 48 North, Range 31 West
Lee's Summit, Jackson County, Missouri

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Master Drainage Plan 2 of 3:
Spot Elevations
PARK RIDGE 8TH PLAT
Section 9, Township 48 North, Range 31 West
Lee's Summit, Jackson County, Missouri

STATE OF MISSOURI
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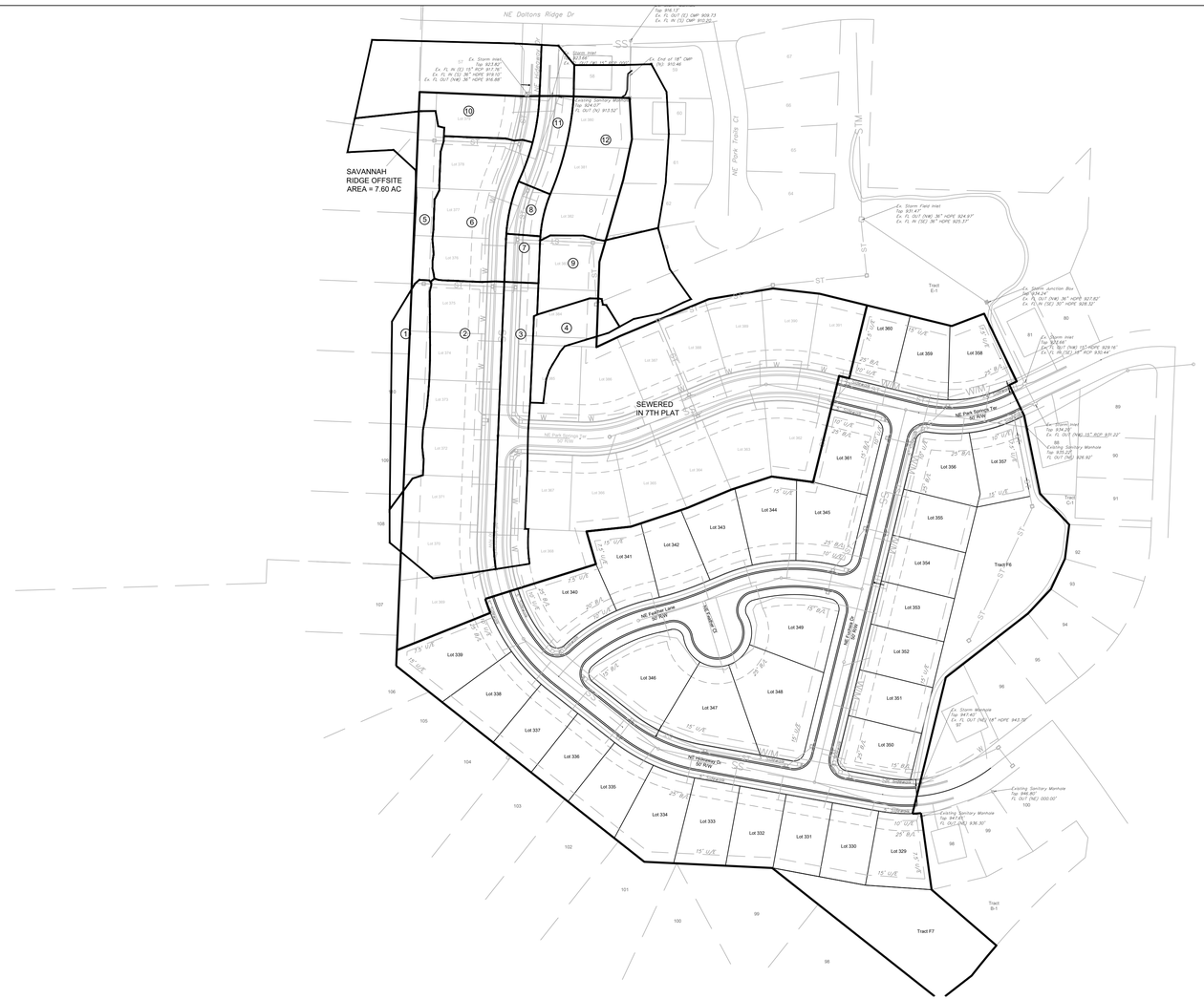
C.201



North

0 50' 100' 200'

DRAINAGE AREA MAP

SCALE: 1" = 100'

APWA STORM DRAINAGE "TC" COMPUTATIONS FOR : PARK RIDGE 8TH PLAT

						Surface types:		Asph/Conc	Bus/Com	Dirt	Grass/Park	Lake	MultFam	SnglFam	Undev	Other										
	yellow areas are self computing					SURFACE CODES		A	B	D	G	L	M	S	U	Z										
	overwrite if necessary					"C" Values		0.90	0.87	0.60	0.30	0.90	0.66	0.51	0.3		TC COMPUTATION									
		TOTAL WATERSHED				Overwrite Length - DnElev or Slope						SURFACE	P=Paved	Overwrite Slope or Elevations												
						if necessary						CODE	U=Unpaved	if necessary												
						OVERLAND FLOW - 100' MAX						P	FLOW - FIRST REACH						Cal	Used	Cal	Cal			
AREA	TOTAL	TOTAL	WTRSHD	UP	DN	SURFACE	"C"	OVRLND	UP	DN	SLOPE	or	CHANNEL	UP	DN	SLOPE	VELOCITY	Flow	Overland	Min 5	Channel	Channel	Total		AREA
ID	SQ.FT.	ACRES	LENGTH	ELEV	ELEV	CODE	VALUE	LENGTH	ELEV	ELEV	%	U	LENGTH	ELEV	ELEV	%	F/S	T(I)		Max 15	One	Two	T@ 10		ID
POST																										POST
1	14966.00	0.34	339.00	978.00	953.50	Z	0.51	67.0	978.0	974.00	6.0	U	272.0	974.0	953.5	7.54	4.4	4.8		5.0	1.0	0.0	6.0		1
2	50289.00	1.15	496.00	975.70	943.00	Z	0.51	100.0	975.7	972.00	3.7	P	396.0	972.0	943.0	7.32	5.5	6.9		6.9	1.2	0.0	8.1		2
3	19199.00	0.44	447.00	973.00	943.00	Z	0.51	36.0	973.0	972.00	2.8	P	411.0	972.0	943.0	7.06	5.4	4.5		5.0	1.3	0.0	6.3		3
4	8486.00	0.19	202.00	960.00	930.50	Z	0.51	100.0	960.0	948.50	11.5	U	102.0	948.5	930.5	17.65	6.8	4.7		5.0	0.3	0.0	5.3		4
5	13330.00	0.31	219.00	963.00	951.00	Z	0.51	100.0	963.0	955.50	7.5	P	119.0	955.5	951.0	3.78	4.0	5.4		5.4	0.5	0.0	5.9		5
6	23746.00	0.55	286.00	953.00	925.00	Z	0.51	100.0	953.0	941.00	12.0	P	186.0	941.0	925.0	8.60	6.0	4.6		5.0	0.5	0.0	5.5		6
7	3478.00	0.08	99.00	943.00	936.00	Z	0.51	36.0	943.0	942.00	2.8	P	63.0	942.0	936.0	9.52	6.3	4.5		5.0	0.2	0.0	5.2		7
8	3558.00	0.08	103.00	936.70	929.00	Z	0.51	36.0	936.7	935.30	3.9	P	67.0	935.3	929.0	9.40	6.2	4.1		5.0	0.2	0.0	5.2		8
9	21596.00	0.50	156.00	937.00	926.50	Z	0.51	91.0	937.0	931.00	6.6	U	65.0	931.0	926.5	6.92	4.2	5.4		5.4	0.3	0.0	5.7		9
10	32151.00	0.74	262.00	941.00	924.00	Z	0.51	100.0	941.0	931.00	10.0	U	162.0	931.0	924.0	4.32	3.4	4.9		5.0	0.8	0.0	5.8		10
11	10143.00	0.23	171.00	929.50	924.00	Z	0.51	36.0	929.5	928.00	4.2	P	135.0	928.0	924.0	2.96	3.5	4.0		5.0	0.6	0.0	5.6		11
12	37543.00	0.86	271.00	937.00	912.50	Z	0.51	36.0	931.0	925.00	16.7	U	235.0	925.0	912.5	5.32	3.7	2.5		5.0	1.1	0.0	6.1		12

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PARK RIDGE 8TH PLAT
Section 9, Township 48 North, Range 31 West
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Project: PARK RIDGE
Issue Date: March 17, 2021

Master Drainage Map 3 of 3:
Drainage Area Map
PARK RIDGE 8TH PLAT
Section 9, Township 48 North, Range 31 West
Lee's Summit, Jackson County, Missouri

STATE OF MISSOURI — MATTHEW J. SCHLICHT — NUMBER 2006019708 — PROFESSIONAL ENGINEER

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