



Drainage Area	Total (SF)	ImperVIOUS					PervIOUS					Qtotal (15 YR) (CFS)
		Area (ACRES)	% ImperVIOUS	PI (15 YR)	Q (15 YR) (CFS)	Area (ACRES)	% PervIOUS	PI (15 yr)	Q (15 YR) (CFS)			
1	47,316	0	0.00	3.85	0.00	47,316	1.09	100.0%	1.87	2.03	2.03	
2	176,339	128,768	2.96	73.0%	3.85	11.38	47,571	1.09	27.0%	1.87	2.04	13.42
3	7,511	147	0.00	2.0%	3.85	0.01	7,364	0.17	98.0%	1.87	0.32	0.33
Total	231,166	128,915	2.96	55.77%		11.39	102,251	2.35	44.23%	4.39	15.78	

$Q_{\text{Differential}} = 15.78 - 9.96 = 5.82 \text{ CFS}$

Area 3

POST DEVELOPMENT - DRAINAGE AREA MAP FOR DIFFERENTIAL RUNOFF CALCULATIONS

MASTERCARD PARKING LOT "E"
2200 MASTERCARD BOULEVARD
O'FALLON, MISSOURI 63368

Professional Seal:

MICHAEL J. MUELLER, P.E.
 CIVIL ENGINEER
 E-2000150045

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 The seals and signatures apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or parts of the Architectural or Engineering project.

No.	Description	Date
	City Submittal	10/18/18
	City Comments	11/21/18
	City Comments	01/07/19

Sheet Title:
POST DEVELOPMENT DRAINAGE AREA MAP FOR DIFFERENTIAL RUNOFF CALCULATIONS

Date: 10/01/2018
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 Designed By: MJM
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 Sheet Number:

DAM 2