



UTILITY NOTE:
 UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND, THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

Centene Data Center - Building Expansion
STORMWATER RUNOFF CALCULATIONS - GRADING

209-4511.8
 October 19, 2015

POST-DEVELOPMENT RUNOFF		Tc = 20 min.		Q(15) 5%=1.87		Q(15) 9%=2.95	
SUBAREA	AREA (SQ FT)	TOTAL AREA	AC	Q(15) 100%(pavement)=3.85	Q(15) 100%(roof)=3.85	Q(100) 100%(pavement)=6.08	Q(100) 100%(roof)=6.08
	IMPERVIOUS	PERVIOUS	SQFT	AC	ACERAGE	Q(15)	Q(100)
1	0	40,587	40,587	0.93	0	0	0.93
2	0	14,001	14,001	0.32	0	0	0.32
				1.25			
						TOTAL	TOTAL
						2.34	3.68

FOR DRAINAGE AREAS ONLY.
NOT FOR CONSTRUCTION.

PREPARED BY:
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GRADING PERMIT PLANS FOR:
CENTENE DATA CENTER BUILDING EXPANSION
 6430 WELDON SPRING ROAD
 OF FALLON, MISSOURI

STATE OF MISSOURI
 GEORGE MICHAEL STOCK
 NUMBER: PE-25116
 EXPIRES: 12/15
 GEORGE M. STOCK E-25116
 CIVIL ENGINEER
 CERTIFICATE OF AUTHORITY
 NUMBER: 000996

REVISIONS:
 1. 2015-11-2-REVISED PER CITY COMMENTS. SUBMITTED FOR GRADING PERMIT.

DRAWN BY: J.M.B.	CHECKED BY: G.M.S.
DATE: 09/15/2015	JOB NO: 209-4511.2
DUCITT CREEK #	BASE MAP #
S.C.C. H&T #	H&T S.U.P. #
M.D.N.R. # MO-RA07437	

SHEET TITLE:
PROPOSED DRAINAGE AREA MAP

SHEET NO.:
C7.0