



TOTAL AREA = 5.24 AC.
OFF-SITE AREA B = 3.31 AC.
REMAINING AREA TRIBUTARY TO DET. BASIN #1 = 1.93 AC.

1.93 AC. AT 80% IMPERVIOUS
1.54 AC. x 3.85 = 5.93 CFS
0.39 AC. x 1.87 = 0.73 CFS
TOTAL Q = 6.66 CFS (15 YR)

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.

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IMPROVEMENT PLANS FOR:
CENTENE DATA CENTER BUILDING EXPANSION
 6430 WELDON SPRING ROAD
 OFALLON, MISSOURI

12/30/2015
 GEORGE M. STOCK
 CIVIL ENGINEER
 CERTIFICATE OF AUTHORITY NUMBER: 000996

REVISIONS:
 1. 2015-12-07 PROGRESS PRINT
 2. 2015-12-09 REVISED PER CITY COMMENTS
 3. 2015-12-30 REVISED PER CITY & CLIENT COMMENTS

DRAWN BY: J.M.B. CHECKED BY: G.M.S.
 DATE: 11/10/2015 JOB NO: 209-4511.8
 DUCKETT CREEK # BASE MAP #
 S.C.C. H&T # H&T S.U.P. #
 M.D.N.R. # MO-RA07437
 SHEET TITLE: EXISTING DRAINAGE AREA MAP
 SHEET NO.: C10.0