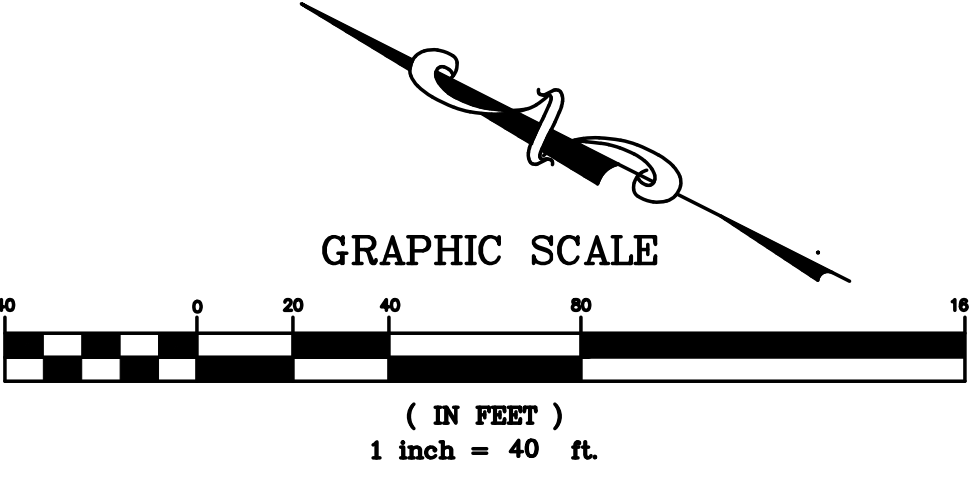


PRE-DEVELOPED  
ON-SITE AREA=19.112 Ac.  
EX. IMP. AREA =0.106 Ac.  
 $Q(15)=(3.54)(.106)+(1.70)(19.01)$   
 $Q(15)=32.69$  cfs

EXISTING  
LAKE OUTFALL

PRE-DEVELOPED  
OFF-SITE BYPASS  
TRIBUTARY AREA=101.16 Ac.

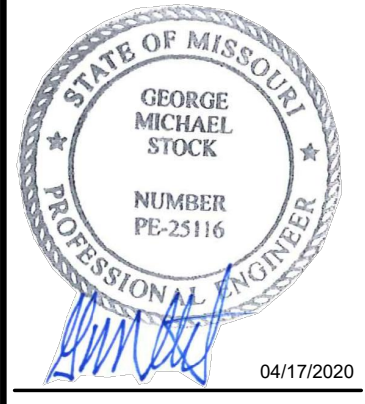


**MISSOURI GEOGRAPHIC  
REFERENCE BENCHMARK**

STA: SC-11 ELEV.=649.27 (NAVD 1988)  
The station and azimuth mark are standard Missouri DNR  
GRS aluminum disk stamped "SC-11 1990" and "SC-11A  
1990" and set in a 12 inch diameter concrete monument  
about 30 inches deep and flush with the ground. The  
station has an underground mark that is a standard  
Missouri DNR GRS aluminum disk stamped "SC-11U 1990"  
set in a mass of concrete.

**SITE BENCHMARK**

FND. CUT CROSS ON AREA INLET AT THE N.E. CORNER OF  
PROPERTY AS SHOWN HEREON.  
ELEV.=538.26



04/17/2020  
GEORGE M. STOCK E-25116  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 000998

REVISIONS:

1	01/16/2020 - 60% PRINTING
2	02/14/2020 - PERMIT SET
3	02/25/2020 - REVISED PER OWNER / CITY UTILITY COMMENTS
4	04/17/2020 - AGENDUM #

DRAWN BY:	C.M.S.	CHECKED BY:	C.M.S.
DATE:	01/16/2019	JOB NO.:	219-6404

SHEET TITLE:  
**DRAINAGE AREA MAP  
PRE-DEVELOPED**

SHEET NO.:  
**C11.1**