

DWG: C:\projects\amharbison\mms235\0\DrainageAreaMap.dwg
 DATE: 10/17/2018 7:39:25 AM
 PLOT DATE: 10/17/2018 1:22:38 PM
 OPERATOR: AMHARRISON

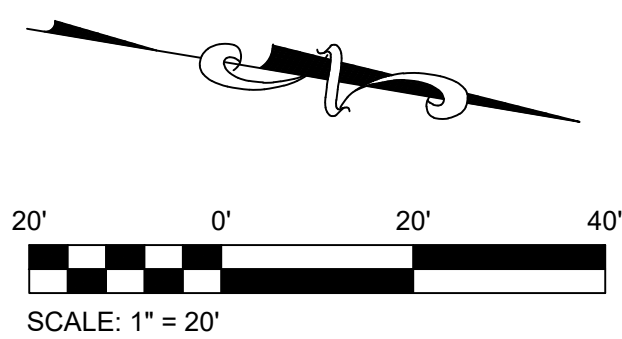


SPECIAL NOTE TO CONTRACTOR(S):
 EXISTING UNDERGROUND AND ABOVE-GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED ON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATIONS OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE, ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST (OR THE EXISTENCE OF WHICH WAS NOT KNOWN) AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES (EXCEPT THOSE SPECIFICALLY NOTED FOR REMOVAL OR DEMOLITION) DURING CONSTRUCTION.

DRAINAGE AREA CALCULATONS							
15 YEAR DESIGN STORM							
Structure	Area (sf)	Area (AC)	PI Factor	Q (CFS)	Total Q (CFS)	Description	Remarks
7	7483	0.17	2.64	0.45	0.45	Area Inlet	
5	9902	0.23	2.64	0.60	1.05	Area Inlet	
4	5724	0.13	2.64	0.35	1.40	Area Inlet	
3				0.39	6.75	Existing Area Inlet	Includes 4.96 cfs from West
2				3.38	10.13	Existing Area Inlet	
1				2.81	12.94	Existing Curb Inlet	Q from Bayfield Plans

LEGEND
 - - - PROPOSED DRAINAGE AREA LIMITS

Call Before you DIG
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 MODOT (314) 340-4100



2018 STORM WATER
 IMPROVEMENT PROJECT
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 101 LAURA K DRIVE, STE. 101 OF FALLON, MO 63366-3991
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 MISSOURI PROFESSIONAL ENGINEERING
 CERTIFICATE OF AUTHORITY 0001658
 EXPIRATION DATE: DECEMBER 31, 2018



10/17/18

CITY OF O'FALLON
 100 N. MAIN ST.
 O'FALLON, MO 63366

P+Z No.
 Approval Date
 City No.
 Page No.

DRAINAGE AREA MAP

C5.1