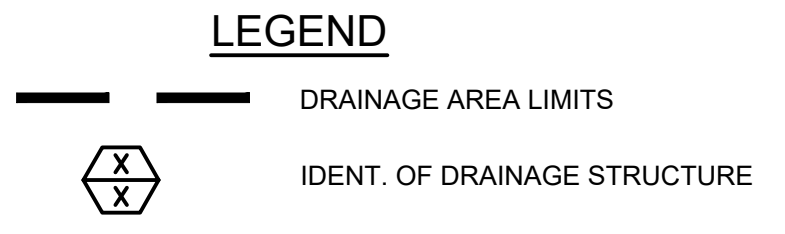




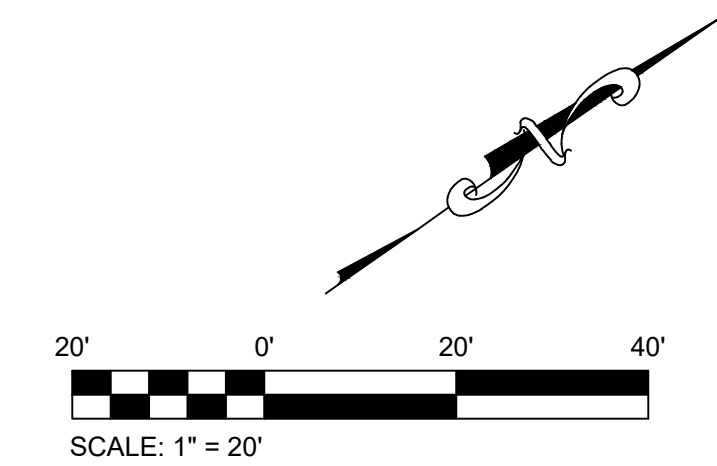
DRAINAGE AREA CALCULATIONS							
15 YEAR DESIGN STORM							
Structure	Area (sf)	Area (AC)	PI Factor	Q (CFS)	Total Q (CFS)	Description	Remarks
8	40163	0.92	2.64	2.43	2.43	Grate Inlet	
7	20607	0.47	2.64	1.25	1.25	Grate Inlet	
4	26034	0.60	2.64	1.58	5.26	Area Inlet	
3	15947	0.37	2.64	0.97	6.23	Ex. Area Inlet	
2	35572	0.82	2.64	2.16	8.38	Ex. Curb Inlet	
1		0.48	2.64	1.27	9.65	Ex. Curb Inlet	Q from design plans received from City

DWG: C:\projects\harrison\mes23500\Drainage\AreaMap.dwg  
 OPERATOR: AMHARRISON  
 PLOT DATE: 10/17/2018 12:58:14 PM  
 SAVE DATE: 10/17/2018 12:53:03 PM

**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.



Call Before you DIG  
 TOLL FREE  
 1-800-344-7483  
 MISSOURI ONE-CALL SYSTEM INC.  
 MODOT (314) 340-4100



2018 STORM WATER  
 IMPROVEMENT PROJECT  
 WINGHAVEN / HAWK RUN DRIVE

**HORNER SHIFRIN**  
 101 LAURA K DRIVE, STE. 101 OFALLON, MO 63366-3991  
 636-529-6226 • FAX 636-529-2910 • WWW.HORNERSHIFRIN.COM  
 DESIGN 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

DRAINAGE AREA MAP

P+Z No.  
 Approval Date  
 City No.

Page No.  
**C5.1**