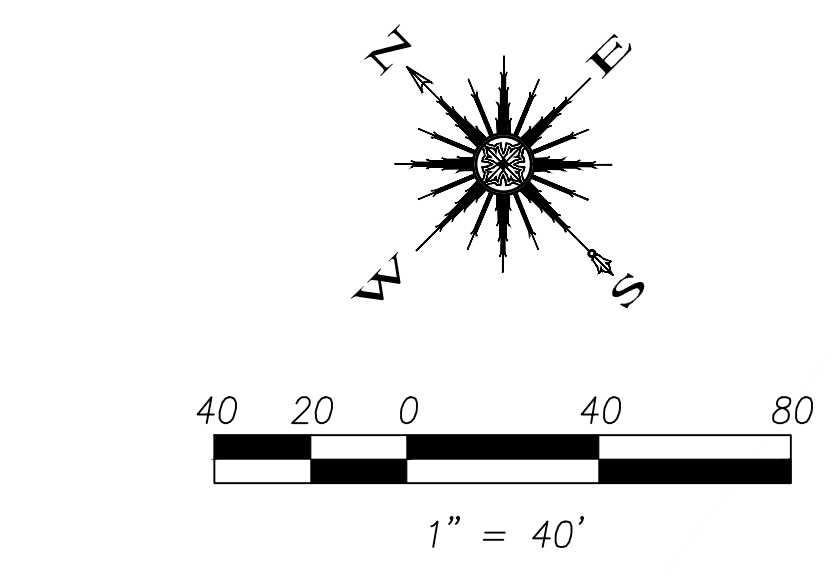


**PREDEVELOPED DRAINAGE AREA CALCULATIONS**

Drainage Area No.	Total Area (Acres)	Runoff Coefficient C	Time of Concentration Tc (Min.)	Rainfall Intensity I <sub>100</sub> (in/hr)	Proposed Flow Q <sub>100</sub> (cfs)	Remarks
OS-1	11.10	0.90	10	9.80	97.90	FLOWS FROM 48" PIPE AT SUMMER LEE
OS-2	3.70	0.35	20	8.30	10.75	FLOWS TO HILTON SITE
OS-3	1.05	0.35	20	8.30	3.05	FLOWS TO HILTON SITE
OS-4	-	-	-	-	64.07	FLOWS TO HILTON SITE
OS-5	1.03	-	-	-	8.10	FLOWS TO HILTON SITE
1	0.07	0.90	10	9.80	0.62	FLOWS TO GLEN HILL WAY
2	2.05	0.35	20	8.30	5.96	FLOWS TO EX. CHANNEL & DOWNSTREAM CULVERT
<b>TOTAL</b>	<b>19.00</b>				<b>190.44</b>	

\* NOTE: EXISTING DRAINAGE AREAS AND DRAINAGE INFORMATION IS TAKEN FROM RECORD DRAWINGS PROVIDED BY THE CITY OF ROCKWALL.

9/2/2020  
STATE OF TEXAS  
CAMERON A. SLOWIN  
106317  
LICENSED PROFESSIONAL ENGINEER  
*C.A.S.*



- LEGEND**
- Property Line
  - Ex. Contour
  - Flow Direction
  - Drainage Area No.
  - Drainage Area (Ac.)
  - Ex. Drain. Runoff - Q (cfs)
  - Existing Drainage Divide
  - Existing Offsite Drainage Divide