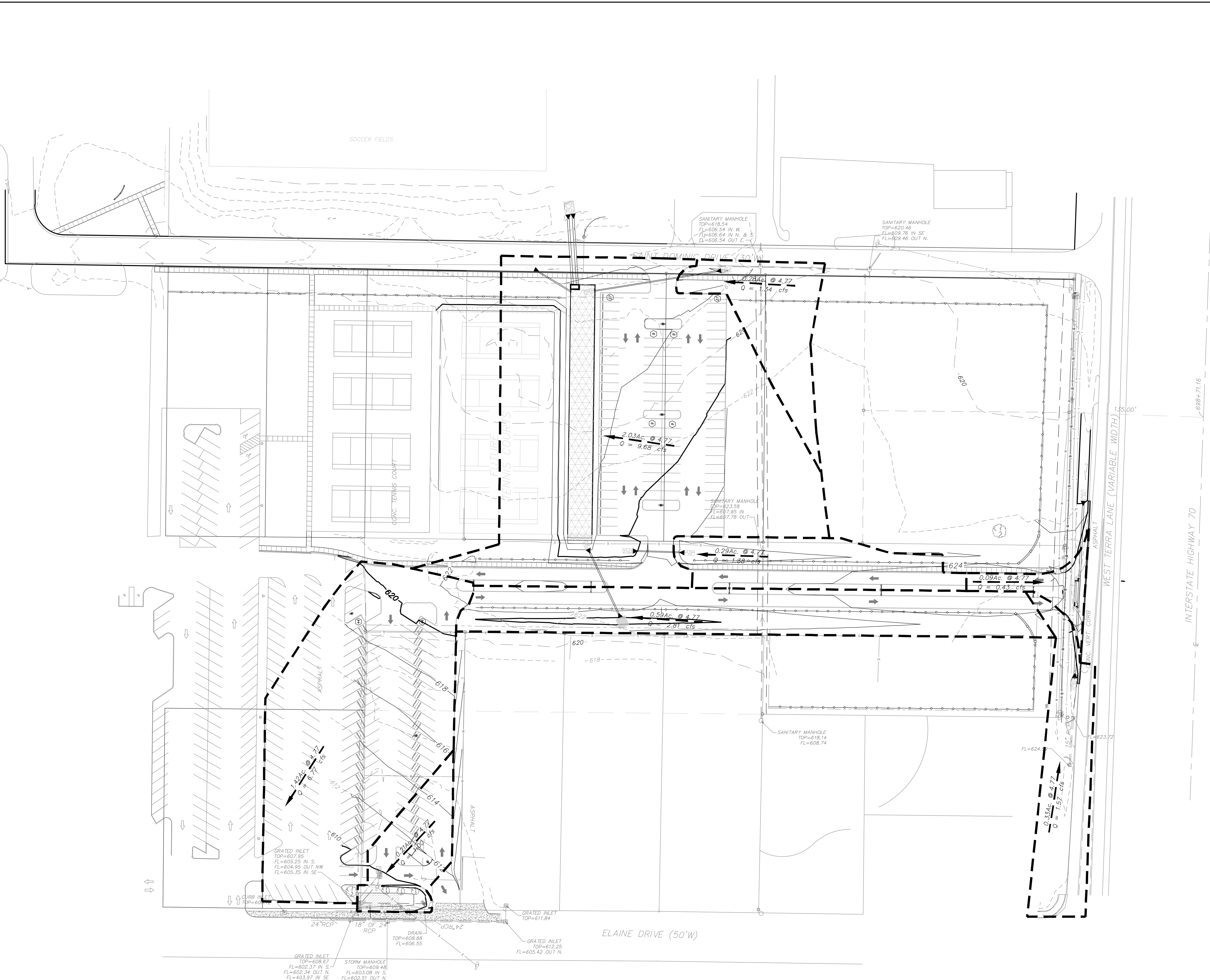
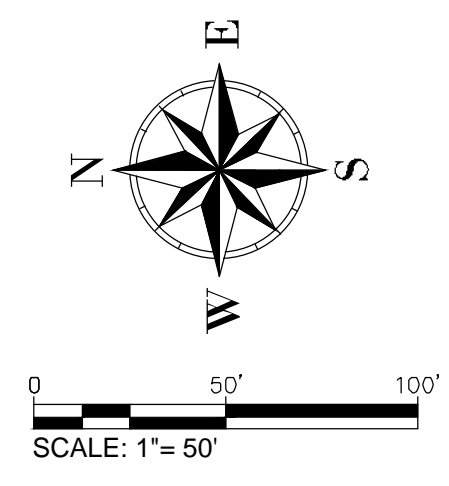


P:\19002_SCHS_00\DWG\OUTPUT\IMPROVEMENT PLANS\08 - DRAIN.DWG



DIFFERENTIAL RUNOFF CALCULATIONS

PRE DEVELOPED			
BUILDINGS:	0.22 Ac	@ 4.77	= 1.05 CFS
PAVEMENT:	1.63 Ac	@ 4.77	= 7.78 CFS
GRASS:	2.08 Ac	@ 2.29	= 4.76 CFS
TOTAL PRE-DEVELOPED RUNOFF = 13.59 CFS			
POST DEVELOPED			
BUILDINGS:	0.00 Ac	@ 4.77	= 0.00 CFS
PAVEMENT:	3.93 Ac	@ 4.77	= 18.75 CFS
TOTAL POST-DEVELOPED RUNOFF = 18.75 CFS			
DIFFERENTIAL RUNOFF:			
18.75 CFS - 13.59 CFS = 5.16 CFS			

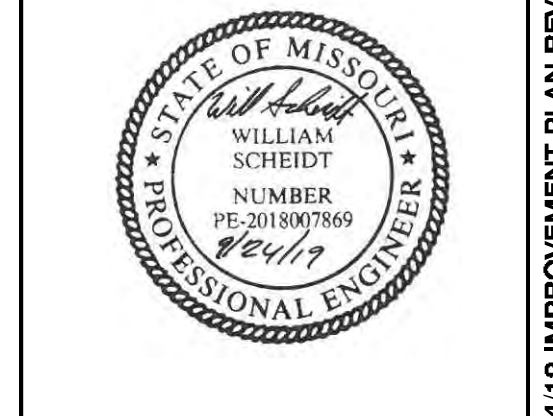


ST DOMINIC HIGH SCHOOL
 SEVERAL TRACTS OF LAND BEING U.S. SURVEY 55,
 TOWNSHIP 47 NORTH RANGE 3 EAST,
 CITY OF FALLON,
 ST. CHARLES COUNTY, MISSOURI
IMPROVEMENT PLANS
 PRS PROJECT NO.: 19002.SCHS.008

St. Peters
 22 Richmond Center Court
 St. Peters, MO 63376
 Phone (636) 397-1211
 Fax (636) 397-1104
 www.prs3.com



ENGINEERS AUTHORIZATION
 The responsibility for professional engineering liability on this project is hereby limited to the set of plans authorized by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthorized.
PICKETT, RAY & SILVER, INC.



WILLIAM SCHEIDT, P.E.
 PE-2018007869

Drainage Area Map

Owner Information:
 Archdiocese of St. Louis
 20 Archbishop May Dr
 St. Louis, MO 63119

City of O'Fallon Improvement Plans

P+Z No.: SP19-000018
 Approval Date: 6/6/2019
 City No.: 19-005347

Page No.
DRAINAGE AREA MAP
 8 of 11

*** 09/24/19 IMPROVEMENT PLAN REVISION SUBMITTAL ***