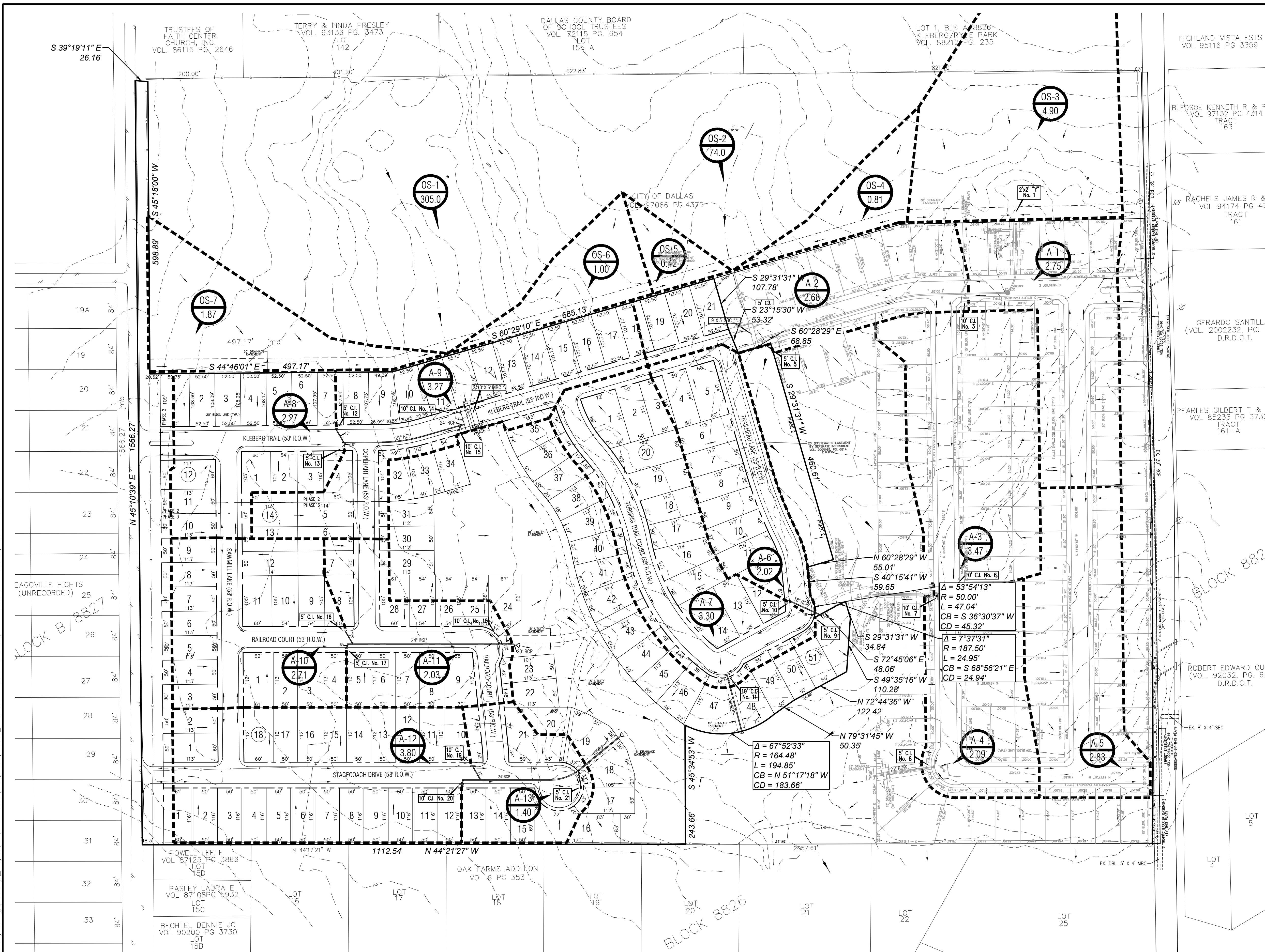


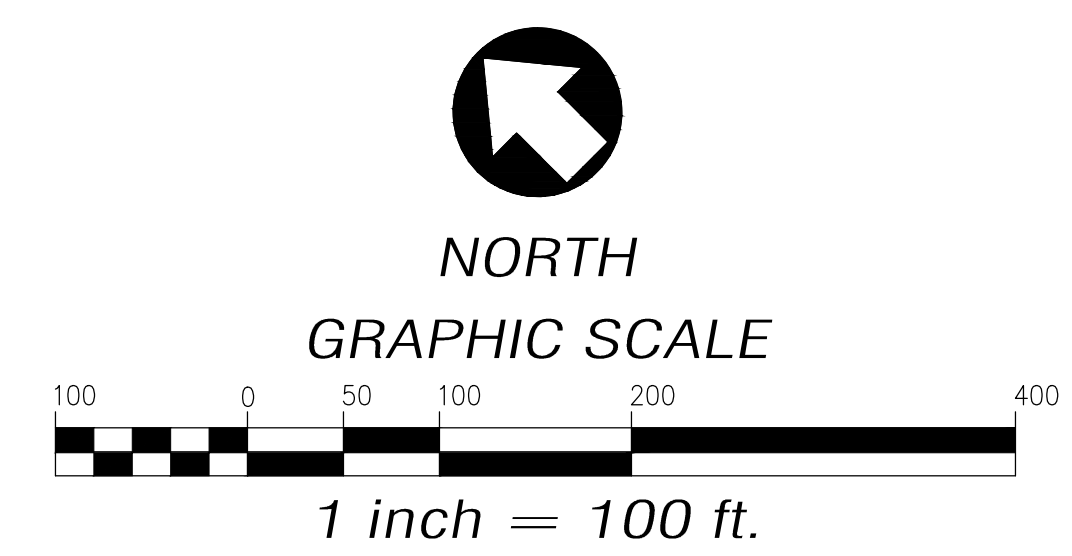
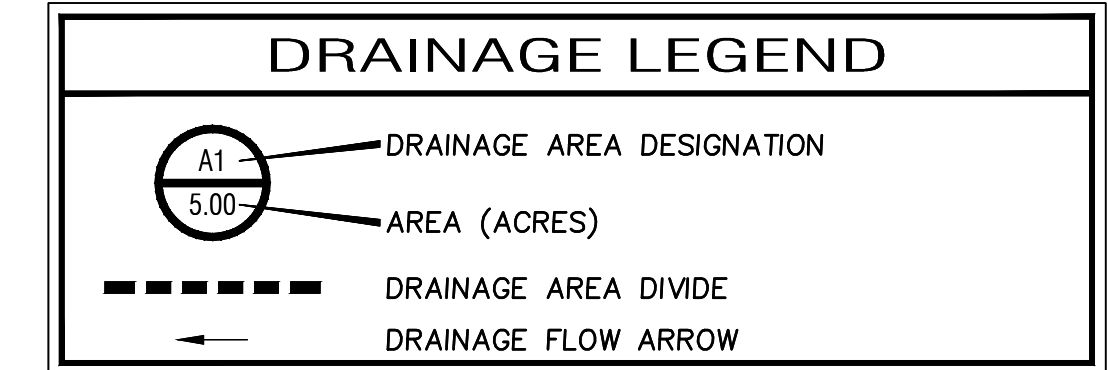
Drawing name: C:\Users\jody_chilus\Dropbox (dretz\engineering)\Dietz\Eng\Project\WV\W-E-W-038b\CAD\Sheet\wv038b_PP_phase II - 2017-12-21.dwg Plotted on: Dec 22, 2017 - 9:32am



DRAINAGE SUMMARY TABLE:										
DRAINAGE AREA NO.	AREA (Acres)	t_p (Time Con.)	C^* Design	I_p (in./hr.)	I_m (in./hr.)	Q_p (cfs)	Q_m (cfs)	ZONING	REMARKS	
OS-1	305.0	20	0.40/0.65	4.40	6.80	872.3	1328.6*	R-7.5/10	SURFACE FLOW TO 3'-10" X 6' MBC	
OS-2	74.0	15	0.40/0.65	5.00	7.56	240.5	252.7**	R-7.5/10	SURFACE FLOW TO 9' X 5' SBC	
OS-3	4.90	15	0.40	5.00	7.56	9.80	14.82	Park	SURFACE FLOW TO 2' X 2' "Y" INLET No. 1	
OS-4	0.81	15	0.40	5.00	7.56	1.62	2.45	Park	SURFACE FLOW TO INLET Nos. 2 & 3	
OS-5	0.42	15	0.40	5.00	7.56	0.84	1.27	Park	SURFACE FLOW TO INLET No. 1	
OS-6	1.00	15	0.40	5.00	7.56	2.00	3.02	Park	SURFACE FLOW TO INLET Nos. 2 & 3	
OS-7	1.87	15	0.40	5.00	7.56	3.74	5.65	Park	SURFACE FLOW TO INLET No. 1	
A-1	2.75	15	0.65	5.00	7.56	8.94	13.51	R-7.5	SURFACE FLOW TO INLET Nos. 2 & 3	
A-2	2.68	15	0.65	5.00	7.56	8.71	13.17	R-7.5	SURFACE FLOW TO INLET Nos. 4 & 5	
A-3	3.47	15	0.65	5.00	7.56	11.28	17.05	R-7.5	SURFACE FLOW TO INLET Nos. 6 & 7	
A-4	2.09	15	0.65	5.00	7.56	6.79	10.27	R-7.5	SURFACE FLOW TO INLET Nos. 8 & 9	
A-5	2.83	15	0.65	5.00	7.56	9.20	13.91	R-7.5	SURFACE FLOW TO EDD ROAD	
A-6	2.02	15	0.65	5.00	7.56	6.57	9.93	R-7.5	SURFACE FLOW TO INLET Nos. 9 & 10	
A-7	3.30	15	0.65	5.00	7.56	10.73	16.22	R-7.5	SURFACE FLOW TO INLET No. 11	
A-8	2.27	15	0.65	5.00	7.56	7.38	11.15	R-7.5	SURFACE FLOW TO INLET Nos. 12 & 13	
A-9	3.27	15	0.65	5.00	7.56	10.63	16.07	R-7.5	SURFACE FLOW TO INLET Nos. 14 & 15	
A-10	2.71	15	0.65	5.00	7.56	8.81	13.32	R-7.5	SURFACE FLOW TO INLET Nos. 16 & 17	
A-11	2.03	15	0.65	5.00	7.56	6.60	9.98	R-7.5	SURFACE FLOW TO INLET Nos. 18 & 19	
A-12	3.80	15	0.65	5.00	7.56	12.35	18.67	R-7.5	SURFACE FLOW TO INLET No. 20	
A-13	1.40	15	0.65	5.00	7.56	4.55	6.88	R-7.5	SURFACE FLOW TO INLET No. 21	

* OFF-SITE DRAINAGE AREA OS-1 COMPRISED OF: ($t=20$ minutes; $I_{100} = 6.80$ in/hr)
 293.5 ACRES R-7.5/R-10: ($293.5 \times 0.65 \times 6.80$) = 1297.3 cfs
 11.5 ACRES PARK LAND: ($11.5 \times 0.40 \times 6.80$) = 31.3 cfs
 $Q_{design} = 1328.6$ cfs

** OFF-SITE DRAINAGE AREA OS-2 COMPRISED OF: ($t=15$ minutes; $I_{100} = 7.56$ in/hr)
 15.3 ACRES R-7.5/R-10: ($15.3 \times 0.65 \times 7.56$) = 75.2 cfs
 58.7 ACRES PARK LAND: ($58.7 \times 0.40 \times 7.56$) = 177.5 cfs
 $Q_{design} = 252.7$ cfs



PRELIMINARY PLAT
Storm Drainage and Drainage Area Map
WRIGHT FARMS-PHASE 2 & 3
 Another environmentally sensitive
 single-family development by
Wildwood Development
 136 Lots located on 31.22 Acres of Land out
 of the Robert Kleberg Survey, Abstract 716
 City of Dallas, Dallas County, Texas
 December, 2017

PROPOSED LAND USE:
 CUD: COMMUNITY UNIT DEVELOPMENT
 OF R-7.5 ZONING

File No. S178-066

OWNER	DEVELOPER:	ENGINEER/SURVEYOR:
GRH Development Services LLC ATTN: Tom Gaubert 1130 N. Westmoreland Road DeSoto, Texas 75115 (972) 274-0001	Wildwood Development ATTN: Tom Gaubert P.O. Box 689 DeSoto, Texas 75123-0689 (972) 274-0001	Dietz Engineering 205 S. Alma Street Allen, Texas 75013 (972) 889-9977