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 DESIGN CONSULTANTS

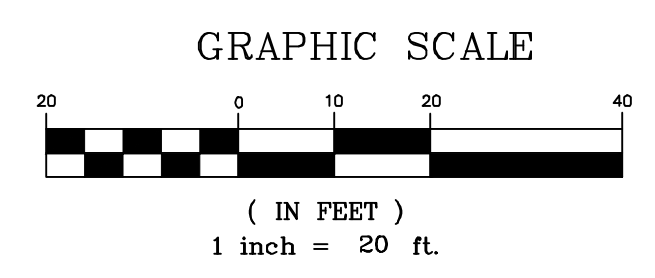
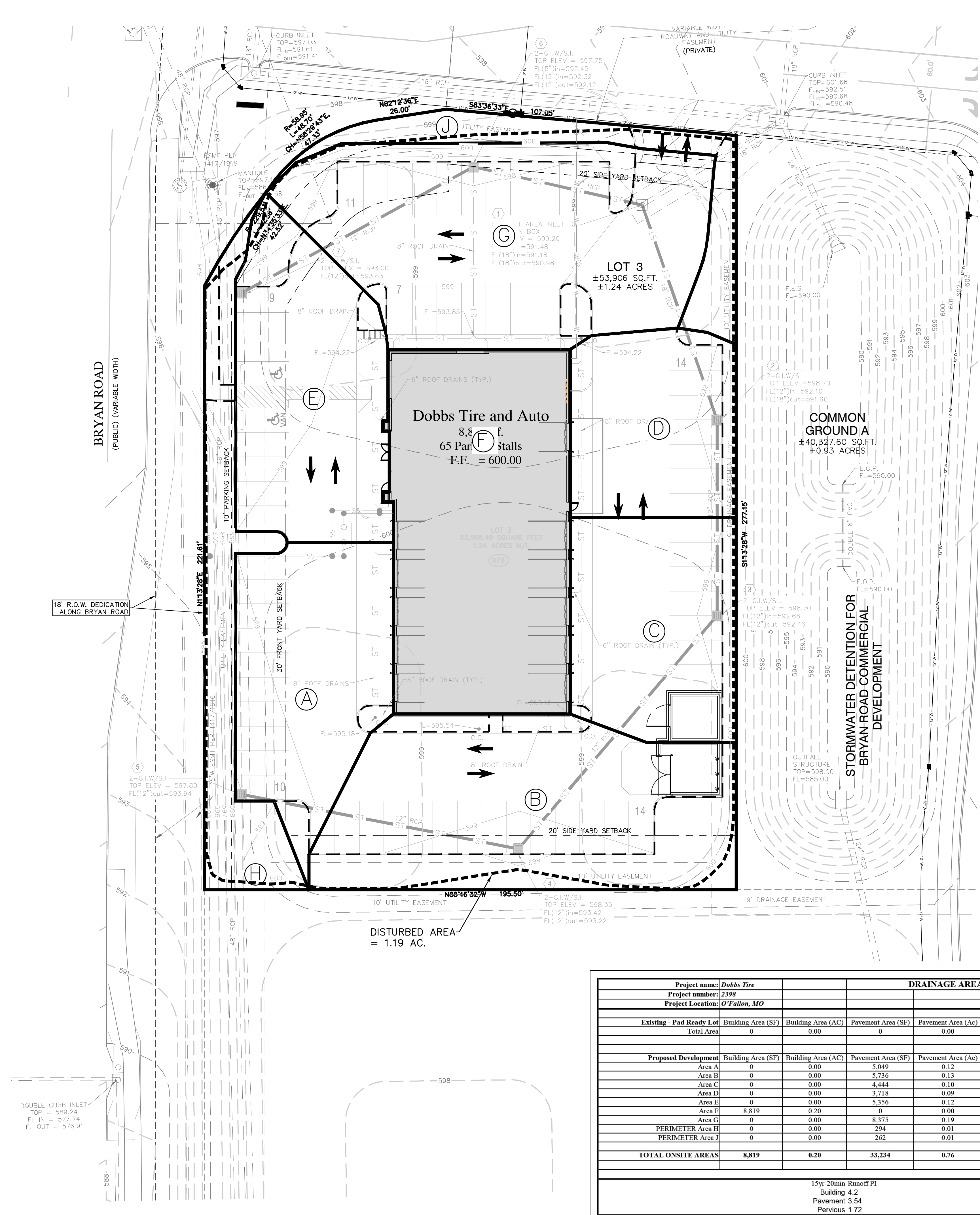
Site Improvement Plans for
DOBBS TIRE AND AUTO CENTER
 970 BRYAN ROAD
 O'FALLON, MO 63366

Proj. # 2398
 No. Description Date
 PERMIT SET 1/5/24
 REV PERMIT SET 2/12/24
 REV PERMIT SET 3/20/24

DRAINAGE AREA PLAN

DRAWING NO.

C09



FOR DRAINAGE AREAS ONLY
 ~NOT FOR CONSTRUCTION~

DISTURBED AREA
 = 1.19 AC.

DISTURBANCE:
 LAND AREA DISTURBED= 1.19 ACRES

Project name: Dobbs Tire		DRAINAGE AREAS								Calculated By: JH	
Project number: 2398										Date: 1/4/2024	
Project Location: O'Fallon, MO											
Existing - Pad Ready Lot	Building Area (SF)	Building Area (AC)	Pavement Area (SF)	Pavement Area (Ac)	Pervious Area (SF)	Pervious Area (Ac)	Subtotal Area (SF)	Subtotal Area (AC)	Subtotal Q15	Subtotal Q100	
Total Area	0	0.00	0	0.00	53,906	1.24	53,906	1.24	2.13	2.83	
Proposed Development	Building Area (SF)	Building Area (AC)	Pavement Area (SF)	Pavement Area (Ac)	Pervious Area (SF)	Pervious Area (Ac)	Subtotal Area (SF)	Subtotal Area (AC)	Subtotal Q15	Subtotal Q100	
Area A	0	0.00	5,049	0.12	295	0.01	5,344	0.12	0.42	0.57	
Area B	0	0.00	5,736	0.13	3,224	0.07	8,960	0.21	0.59	0.80	
Area C	0	0.00	4,444	0.10	443	0.01	4,887	0.11	0.38	0.51	
Area D	0	0.00	3,718	0.09	399	0.01	4,117	0.09	0.32	0.43	
Area E	0	0.00	5,356	0.12	610	0.01	5,966	0.14	0.46	0.62	
Area F	8,819	0.20	0	0.00	0	0.00	8,819	0.20	0.85	0.97	
Area G	0	0.00	8,375	0.19	1,643	0.04	10,018	0.23	0.75	1.00	
PERIMETER Area H	0	0.00	294	0.01	3,274	0.08	3,568	0.08	0.15	0.20	
PERIMETER Area J	0	0.00	262	0.01	1,966	0.05	2,228	0.05	0.10	0.13	
TOTAL ONSITE AREAS	8,819	0.20	33,234	0.76	11,854	0.27	53,907	1.24	4.02	5.23	
									PROPOSED % Imp		78%
				15yr-20min Runoff PI		100yr-20min Runoff PI					
				Building 4.2		Building 4.77		Differential Q's			
				Pavement 3.54		Pavement 4.77		1.89			
				Pervious 1.72		Pervious 2.29		2.39			