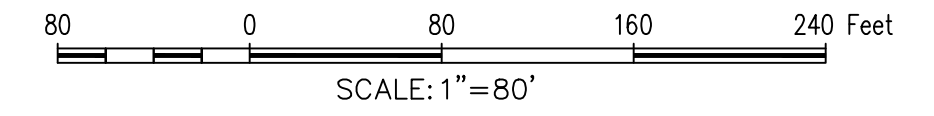


PROPOSED DRAINAGE AREA													Q=C*A*1				Comments
Area	Acreage (ac)	C	C*A	Tc (min)	I2 (in/hr)	I5 (in/hr)	I10 (in/hr)	I25 (in/hr)	I50 (in/hr)	I100 (in/hr)	Q2 (cfs)	Q5 (cfs)	Q10 (cfs)	Q25 (cfs)	Q50 (cfs)	Q100 (cfs)	
A1	1.31	0.80	1.05	10	5.30	6.10	7.10	8.30	9.00	9.80	5.55	6.39	7.44	8.70	9.43	10.27	Sheet flows to storm system to North Pond C35
A2	1.27	0.80	1.02	10	5.30	6.10	7.10	8.30	9.00	9.80	5.38	6.20	7.21	8.43	9.14	9.96	Sheet flows to storm system to North Pond C35
A3	1.37	0.80	1.10	10	5.30	6.10	7.10	8.30	9.00	9.80	5.81	6.69	7.78	9.10	9.86	10.74	Sheet flows to storm system to North Pond C35
A4	1.20	0.80	0.96	10	5.30	6.10	7.10	8.30	9.00	9.80	5.09	5.86	6.82	7.97	8.64	9.41	Sheet flows to storm system to North Pond C35
A5	0.41	0.80	0.33	10	5.30	6.10	7.10	8.30	9.00	9.80	1.74	2.00	2.33	2.72	2.95	3.21	Sheet flows to storm system to North Pond C35
A6	0.80	0.80	0.64	10	5.30	6.10	7.10	8.30	9.00	9.80	3.39	3.90	4.54	5.31	5.76	6.27	Sheet flows to storm system to North Pond C35
A7	0.92	0.80	0.74	10	5.30	6.10	7.10	8.30	9.00	9.80	3.90	4.49	5.23	6.11	6.62	7.21	Sheet flows to storm system to North Pond C35
A8	1.16	0.80	0.93	10	5.30	6.10	7.10	8.30	9.00	9.80	4.92	5.66	6.59	7.70	8.35	9.09	Sheet flows to storm system to North Pond C35
A9	0.37	0.80	0.30	10	5.30	6.10	7.10	8.30	9.00	9.80	1.57	1.81	2.10	2.46	2.66	2.90	Sheet flows to storm system to North Pond C35
A10	0.62	0.80	0.50	10	5.30	6.10	7.10	8.30	9.00	9.80	2.63	3.03	3.52	4.12	4.46	4.86	Sheet flows to storm system to North Pond C35
A11	0.99	0.80	0.79	10	5.30	6.10	7.10	8.30	9.00	9.80	4.20	4.83	5.62	6.57	7.13	7.76	Sheet flows to storm system to North Pond C35
A12	2.70	0.35	0.95	20	3.90	4.90	5.90	6.60	7.50	8.30	3.69	4.63	5.58	6.24	7.09	7.84	Sheet flows to North Pond C35
B1	1.62	0.80	1.30	10	5.30	6.10	7.10	8.30	9.00	9.80	6.87	7.91	9.20	10.76	11.66	12.70	Sheet flows to storm system to South Pond C36
B2	1.76	0.80	1.41	10	5.30	6.10	7.10	8.30	9.00	9.80	7.46	8.59	10.00	11.69	12.67	13.80	Sheet flows to storm system to South Pond C36
B3	1.85	0.80	1.48	10	5.30	6.10	7.10	8.30	9.00	9.80	7.84	9.03	10.51	12.28	13.32	14.50	Sheet flows to storm system to South Pond C36
B4	4.78	0.35	1.67	20	3.90	4.90	5.90	6.60	7.50	8.30	6.52	8.20	9.87	11.04	12.55	13.89	Sheet flows to South Pond C36
C	5.57	0.80	4.46	10	5.30	6.10	7.10	8.30	9.00	9.80	23.62	27.18	31.64	36.98	40.10	43.67	Sheet flows to flood plain, future area to East Pond
C1	4.10	0.35	1.44	10	5.30	6.10	7.10	8.30	9.00	9.80	7.61	8.75	10.19	11.91	12.92	14.06	Sheet flows to existing grate in JK, South Pond Bypass
D1	0.55	0.80	0.44	10	5.30	6.10	7.10	8.30	9.00	9.80	2.33	2.68	3.12	3.65	3.96	4.31	Sheet flows to existing flood plain South Pond Bypass
D2	0.72	0.35	0.25	20	3.90	4.90	5.90	6.60	7.50	8.30	0.98	1.23	1.49	1.66	1.89	2.09	Sheet flows to existing flood plain on the west lot
D3	0.67	0.35	0.23	20	3.90	4.90	5.90	6.60	7.50	8.30	0.91	1.15	1.38	1.55	1.76	1.95	Sheet flows to existing flood plain North Pond Bypass
E1	2.58	0.80	2.06	10	5.30	6.10	7.10	8.30	9.00	9.80	10.94	12.59	14.65	17.13	18.58	20.23	Sheet flows to existing flood plain on the east lot
E3	0.70	0.35	0.25	20	3.90	4.90	5.90	6.60	7.50	8.30	0.96	1.20	1.45	1.62	1.84	2.03	Sheet flows to existing flood plain on the east lot
E4	8.65	0.35	3.03	20	3.90	4.90	5.90	6.60	7.50	8.30	11.81	14.83	17.86	19.98	22.71	25.13	Sheet flows to existing flood plain on the west lot
E5	0.84	0.35	0.29	20	3.90	4.90	5.90	6.60	7.50	8.30	1.15	1.44	1.73	1.94	2.21	2.44	Sheet flows to existing flood plain on the west lot
E6	0.20	0.35	0.07	20	3.90	4.90	5.90	6.60	7.50	8.30	0.27	0.34	0.41	0.46	0.53	0.58	Sheet flows to existing flood plain North Pond Bypass
F	0.09	0.90	0.08	10	5.30	6.10	7.10	8.30	9.00	9.80	0.43	0.49	0.58	0.67	0.73	0.79	Offsite that sheet flows to detention pond
Totals	47.80										137.57	161.11	188.84	218.76	239.52	261.71	

**GENERAL NOTES**

1. ALL RESPONSIBILITIES FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.
2. REGIONAL DETENTION PONDS SIZED FOR RESIDENTIAL DEVELOPMENT, WILL NOT BE RESIZED FOR FUTURE COMMERCIAL DEVELOPMENT. FOR MORE INFORMATION ON THE GROSS SECTIONS FOR THE ULTIMATE 100 YR FLOODPLAIN REFER TO "HYDROLOGIC AND HYDRAULIC STUDY IN SUPPORT OF LADERA ROCKWALL DEVELOPMENT" PREPARED BY JEA-HYDROTECH ENGINEERING, INC.
- 3.



BM: CITY OF ROCKWALL CONTROL MONUMENT  
 "COR-1" CALLED ELEV. 523.27. MEASURED ELEV. = 523.56  
 BM: CITY OF ROCKWALL CONTROL MONUMENT  
 "COR-2" CALLED ELEV. 529.10. MEASURED ELEV. = 529.37

**AS-BUILT RECORD DRAWING**

TO THE BEST OF OUR KNOWLEDGE, THE JOHN R. MCADAMS COMPANY, INC. HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

MCADAMS,  
 Date: *5/14/2019*

The John R. McAdams Company, Inc.  
 111 Hillside Drive  
 Lewisville, Texas 75057  
 972.436.9712  
 201 Country View Drive  
 Rockwall, TX 75087  
 940.240.1012  
 TBPE: 19762 TBPLS: 10194440  
 www.mcadamsco.com

**MCADAMS**

**LADERA ROCKWALL PHASE 1**  
 Lot 1, Block A & Lot 1, Block B  
**LADERA ROCKWALL**  
 47.694 Acres  
 in the  
**M. JONES SURVEY, ABSTRACT NO. 122**  
 CITY OF ROCKWALL  
 ROCKWALL COUNTY, TEXAS

**PHASE ONE PROPOSED DRAINAGE AREA MAP**

MCADAMS  
 TBPE: 19762

Drawn By: MD
Date: 02/23/2018
Scale: 1"=80'
Revisions:
04/23/2018
07/16/2018
09/06/2018
01/28/2019
02/11/2019
03/11/2019 Signed

**17191**

**C34.1**

**OWNER/DEVELOPER**  
 RW LADERA, LLC  
 361 W. BYRON NELSON BLVD, STE 104  
 ROANOKE, TX 76262  
 Ph. 817.430.3318  
 Contact: John Dellin

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