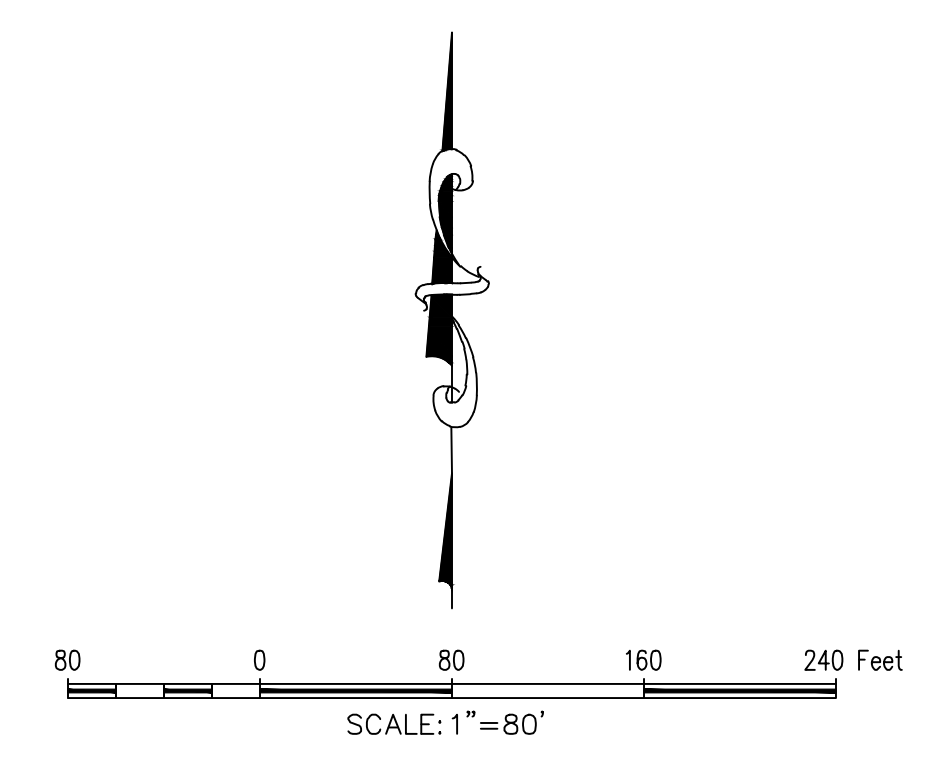


**DRAINAGE NOTES**

1. THE DRAINAGE AREA MAPS PROVIDED IN THESE PLANS ARE FOR: COMPARING THE LOCAL PEAK FLOWS FROM EXISTING CONDITIONS THROUGH THE PROPOSED PHASE, AND TO SIZE THE ON-SITE STORM SEWER SYSTEM.
2. DRAINAGE AREAS FOR THE GREATER WATERSHED ARE PROVIDED IN REPORT TITLED "SWBC ROCKWALL PHASE II FLOOD STUDY" PREPARED BY THE JOHN R. MCADAMS COMPANY, INC.
3. OFFSITE DRAINAGE AREA "OSZ" IS PROVIDED AS A PLACEHOLDER TO ACKNOWLEDGE DRAINAGE FROM ADDITIONAL SOURCES EAST OF PROJECT. OFFSITE DRAINAGE FROM ROCKWALL TECHNOLOGY PARK AND POINTS EAST HAS NO IMPACT ON THE ON-SITE PEAK FLOW. FOR EVALUATION OF OFF-SITE DRAINAGE AREAS, REFER TO REPORT TITLED "SWBC ROCKWALL PHASE II FLOOD STUDY" PREPARED BY THE JOHN R. MCADAMS COMPANY, INC.
4. REFER TO REFERENCED REPORT FOR ADDITIONAL INFORMATION REGARDING OFFSITE CONSTANTS/COEFFICIENTS/CALCULATIONS



TM: "X" CUT ON CURB INLET ALONG NORTHSIDE OF DISCOVERY BLVD. APPROXIMATELY 85' WEST OF THE SOUTHWEST CORNER OF SUBJECT PROPERTY LINE. ELEV.= 564.92  
 BM: CITY OF ROCKWALL CONTROL MONUMENT "N1495", CALLED ELEV.= 566.71. MEASURED ELEV. = 566.83

SWBC ROCKWALL PHASE 2 APARTMENTS - PROPOSED DRAINAGE AREAS															Comments		
Area	Acres	C	C* <i>A</i>	T <sub>c</sub>	I <sub>2</sub>	I <sub>5</sub>	I <sub>10</sub>	I <sub>15</sub>	I <sub>20</sub>	Q <sub>2</sub>	Q <sub>5</sub>	Q <sub>10</sub>	Q <sub>15</sub>	Q <sub>20</sub>		Q <sub>100</sub>	
	(ac.)	(#)	(S)	(min)	(in/hr)	(in/hr)	(in/hr)	(in/hr)	(in/hr)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)		
A1	1.04	0.75	0.78	10	5.30	6.10	7.10	8.30	9.00	9.80	4.13	4.76	5.54	6.47	7.02	7.64	Sheet Flow to Yard Drains, ST-B to Underground Detention
A2	0.36	0.75	0.27	10	5.30	6.10	7.10	8.30	9.00	9.80	1.43	1.65	1.92	2.24	2.43	2.63	Sheet Flow to Curb Inlet, ST-10 to Underground Detention
A3	0.56	0.75	0.42	10	5.30	6.10	7.10	8.30	9.00	9.80	2.23	2.56	2.98	3.49	3.78	4.12	Sheet Flow to Curb Inlet, ST-10A to Underground Detention
A4	1.56	0.75	1.17	10	5.30	6.10	7.10	8.30	9.00	9.80	6.20	7.14	8.31	9.71	10.53	11.47	Sheet Flow to Curb Inlet, ST-9 to Underground Detention
A5	0.45	0.75	0.34	10	5.30	6.10	7.10	8.30	9.00	9.80	1.79	2.06	2.40	2.80	3.04	3.31	Sheet Flow to Curb Inlet, ST-8 to Underground Detention
A6	0.41	0.75	0.31	10	5.30	6.10	7.10	8.30	9.00	9.80	1.63	1.88	2.18	2.55	2.77	3.01	Sheet Flow to Curb Inlet, ST-7 to Underground Detention
A7	0.19	0.75	0.14	10	5.30	6.10	7.10	8.30	9.00	9.80	0.76	0.87	1.01	1.18	1.28	1.40	Sheet Flow to Curb Inlet, ST-6 to Underground Detention
A8	0.41	0.75	0.31	10	5.30	6.10	7.10	8.30	9.00	9.80	1.63	1.88	2.18	2.55	2.77	3.01	Sheet Flow to Curb Inlet, ST-5 to Underground Detention
A9	0.23	0.75	0.17	10	5.30	6.10	7.10	8.30	9.00	9.80	0.91	1.05	1.22	1.43	1.55	1.69	Sheet Flow to Curb Inlet, ST-4 to Underground Detention
A10	0.27	0.75	0.20	10	5.30	6.10	7.10	8.30	9.00	9.80	1.07	1.24	1.44	1.68	1.82	1.98	Sheet Flow to Curb Inlet, ST-3 to Underground Detention
A11	0.90	0.75	0.68	10	5.30	6.10	7.10	8.30	9.00	9.80	3.58	4.12	4.79	5.60	6.08	6.62	Sheet Flow to Detention Basin A-3
A12	0.61	0.75	0.46	10	5.30	6.10	7.10	8.30	9.00	9.80	2.42	2.79	3.25	3.80	4.12	4.48	Sheet Flow to Curb Inlet, ST-11 to Detention Basin A-1
A13	0.23	0.75	0.17	10	5.30	6.10	7.10	8.30	9.00	9.80	0.91	1.05	1.22	1.43	1.55	1.69	Sheet Flow to Curb Inlet, ST-11B to Detention Basin A-1
A14	0.10	0.75	0.08	10	5.30	6.10	7.10	8.30	9.00	9.80	0.40	0.46	0.53	0.62	0.68	0.74	Sheet Flow to Curb Inlet, ST-11A to Detention Basin A-1
A15	0.44	0.75	0.33	10	5.30	6.10	7.10	8.30	9.00	9.80	1.75	2.01	2.34	2.74	2.97	3.23	Sheet Flow to Curb Inlet, ST-11 to Detention Basin A-1
A16	0.38	0.75	0.29	10	5.30	6.10	7.10	8.30	9.00	9.80	1.51	1.74	2.02	2.37	2.57	2.79	Sheet Flow to Detention Basin A-1
A17	0.74	0.75	0.56	10	5.30	6.10	7.10	8.30	9.00	9.80	2.94	3.39	3.94	4.61	5.00	5.44	Sheet Flow to Curb Inlet, ST-12 to Detention Basin A-2
A18	0.37	0.75	0.28	10	5.30	6.10	7.10	8.30	9.00	9.80	1.47	1.69	1.97	2.30	2.50	2.72	Sheet Flow to Buffalo Creek Floodplain
A19	0.18	0.75	0.14	10	5.30	6.10	7.10	8.30	9.00	9.80	0.72	0.82	0.96	1.12	1.22	1.32	Sheet Flow to Buffalo Creek Floodplain
A20	0.16	0.75	0.12	10	5.30	6.10	7.10	8.30	9.00	9.80	0.64	0.73	0.85	1.00	1.08	1.18	Sheet Flow to Buffalo Creek Floodplain
A21	0.20	0.75	0.15	10	5.30	6.10	7.10	8.30	9.00	9.80	0.80	0.92	1.07	1.25	1.35	1.47	Sheet Flow to Buffalo Creek Floodplain
A22	0.51	0.75	0.38	10	5.30	6.10	7.10	8.30	9.00	9.80	2.03	2.33	2.72	3.17	3.44	3.75	Sheet Flow to Buffalo Creek Floodplain
A23	0.75	0.75	0.56	10	5.30	6.10	7.10	8.30	9.00	9.80	2.98	3.43	3.99	4.67	5.06	5.51	Sheet Flow to Buffalo Creek Floodplain
A24	0.30	0.75	0.23	10	5.30	6.10	7.10	8.30	9.00	9.80	1.19	1.37	1.60	1.87	2.03	2.21	Sheet Flow to Buffalo Creek Floodplain
B1	0.25	0.75	0.19	10	5.30	6.10	7.10	8.30	9.00	9.80	0.99	1.14	1.33	1.56	1.69	1.84	Surface flow to Curb Inlet, ST-1 to Detention Pond
B2	0.25	0.75	0.19	10	5.30	6.10	7.10	8.30	9.00	9.80	0.99	1.14	1.33	1.56	1.69	1.84	Surface flow to Curb Inlet, ST-1 to Detention Pond
B3	0.10	0.75	0.08	10	5.30	6.10	7.10	8.30	9.00	9.80	0.40	0.46	0.53	0.62	0.68	0.74	Surface flow to Area Drains, ST-1 to Detention Pond
B4	0.66	0.75	0.50	10	5.30	6.10	7.10	8.30	9.00	9.80	2.62	3.02	3.51	4.11	4.46	4.85	Surface flow to Curb Inlet, ST-1 to Detention Pond
B5	0.64	0.75	0.48	10	5.30	6.10	7.10	8.30	9.00	9.80	2.54	2.93	3.41	3.98	4.32	4.70	Surface flow to Discovery Blvd, Detention Pond
B6	0.41	0.75	0.31	10	5.30	6.10	7.10	8.30	9.00	9.80	1.63	1.88	2.18	2.55	2.77	3.01	Surface flow to existing Drop Inlet, Detention Pond
B7	0.59	0.75	0.44	10	5.30	6.10	7.10	8.30	9.00	9.80	2.35	2.70	3.14	3.67	3.98	4.34	Surface flow to existing Drop Inlet, Detention Pond
FP1	7.02	0.35	2.46	20	3.90	4.90	5.90	6.60	7.50	8.30	9.58	12.04	14.50	16.22	18.43	20.39	Dedicated for Open Space, Floodplain, Undevelopable
OS1a	0.27	0.35	0.09	20	3.90	4.90	5.90	6.60	7.50	8.30	0.37	0.46	0.56	0.62	0.71	0.78	Off-Site Sheet Flow through B1 (See Note 1)
OS1b	0.35	0.35	0.12	20	3.90	4.90	5.90	6.60	7.50	8.30	0.48	0.60	0.72	0.81	0.92	1.02	Off-Site Sheet Flow through B2 (See Note 1)
OS2	0.49	0.35	0.17	20	3.90	4.90	5.90	6.60	7.50	8.30	0.67	0.84	1.01	1.13	1.29	1.42	Off-Site Sheet Flow through A (See Note 2)
OS3	0.47	0.90	0.42	10	5.30	6.10	7.10	8.30	9.00	9.80	2.24	2.58	3.00	3.51	3.81	4.15	Off-Site Sheet Flow through A (See Note 2)
OSZ																	Greater Watershed Drainage as provided in Flood Study
Totals	22.85										69.98	81.73	95.63	110.99	121.39	132.51	

# - [(P/dm)](ac.-in)(sec)  
 \$ - [(P/dm)](in)(sec)

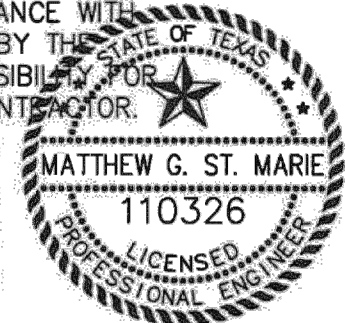
Note 1: Drainage Areas OS1 & OS2 reflect the undeveloped condition of a portion of a Drainage Area defined in Rockwall Technology Park Record Drawings, dated 02/16/2005, as "D-6."  
 Per Note 9 on the Drainage Area Map of the aforementioned plans, Drainage Area "D-6" is to be redirected north into an existing Detention Pond upon development of the lot encompassing "D-6"

Note 2: Drainage Area OS3 reflects a developed Drainage Area defined in Colnet Warehouse Record Drawings, dated 03/15/2004, as "DA #10."

**AS-BUILT RECORD DRAWING**

THE INFORMATION ON THESE PLANS HAS BEEN REVIEWED TO REFLECT CHANGES TO PUBLIC IMPROVEMENTS MADE DURING CONSTRUCTION. UNLESS OTHERWISE NOTED, THE CONSTRUCTION OF THE PUBLIC IMPROVEMENTS IS IN GENERAL CONFORMANCE WITH THESE PLANS, BASED UPON INFORMATION PROVIDED BY THE CONTRACTOR AND FIELD VERIFICATIONS. THE RESPONSIBILITY FOR ACCURACY AND COMPLETENESS BELONGS TO THE CONTRACTOR.

*Matthew G. St. Marie*  
 THE JOHN R. MCADAMS COMPANY, INC.  
 Date: 09/25/2023



MCADAMS  
 TBPE: 19762

Drawn By: CMK
Date: 12/30/2020
Scale: 1"=80'
Revisions:
02/11/2021
03/11/2021
05/07/2021
07/12/2021

09/25/2023 - AS-BUILTS

**WBC20000**

**C3.09**

OWNER/DEVELOPER  
 SWBC ROCKWALL LP  
 5049 SHERRY LANE, SUITE 760  
 DALLAS, TEXAS 75225  
 Ph. (214) 987-0700  
 Contact: Spencer Byington

**SWBC ROCKWALL PHASE II**  
 Lot 1, Block A  
 SWBC ROCKWALL ADDITION, PHASE II  
 21,275 Acres  
 in the  
 J.M. ALLEN SURVEY, ABSTRACT NO. NO. 2  
 CITY OF ROCKWALL,  
 ROCKWALL COUNTY, TEXAS

**SWBC ROCKWALL PHASE II**

The J.M. Allen Survey, Abstract No. 2, Block A, Lot 1, Block A, SWBC Rockwall Addition, Phase II, 21,275 Acres, in the J.M. Allen Survey, Abstract No. 2, City of Rockwall, Rockwall County, Texas. Surveyed and Platted by J.M. Allen, Surveyor, 1912.