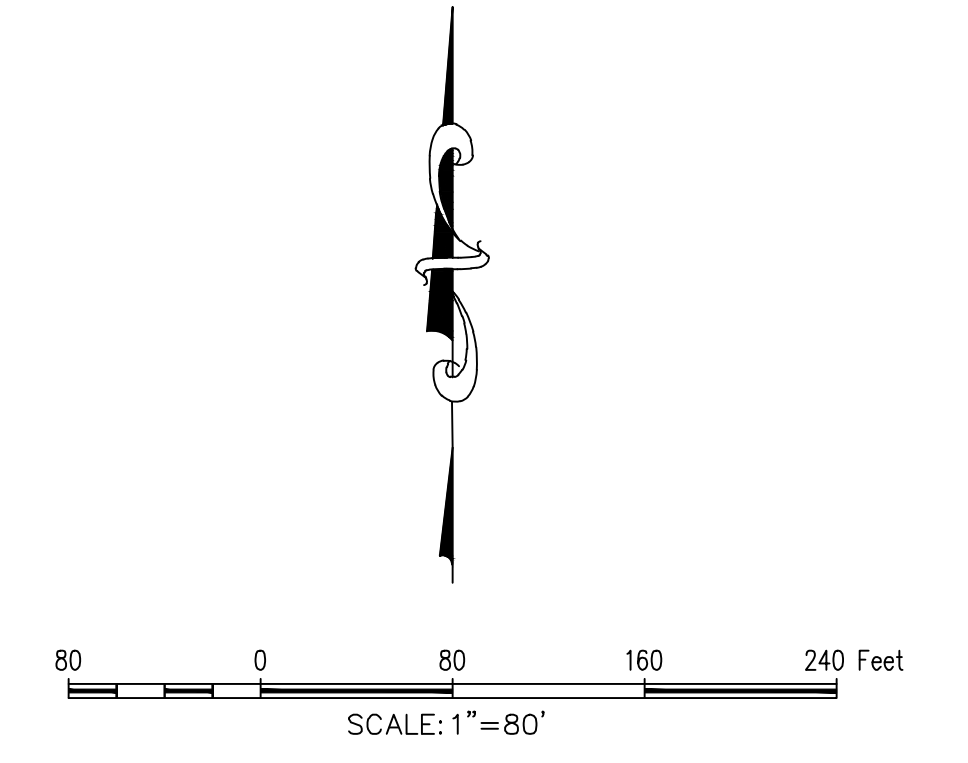


Tc = 20 mins

| ROCKWALL APARTMENTS - EXISTING |                                     |      |      |       |                |                 |                 |                 |                  |                |                 |                 |                 | Comments |
|--------------------------------|-------------------------------------|------|------|-------|----------------|-----------------|-----------------|-----------------|------------------|----------------|-----------------|-----------------|-----------------|----------|
| Area                           | Acreage                             | C    | C*A  | Tc    | I <sub>s</sub> | I <sub>10</sub> | I <sub>25</sub> | I <sub>50</sub> | I <sub>100</sub> | Q <sub>s</sub> | Q <sub>10</sub> | Q <sub>25</sub> | Q <sub>50</sub> |          |
|                                | (ac.)                               | (#)  | (%)  | (min) | (in/hr)        | (in/hr)         | (in/hr)         | (in/hr)         | (in/hr)          | (cfs)          | (cfs)           | (cfs)           | (cfs)           | (cfs)    |
| A1                             | 6.26                                | 0.35 | 2.19 | 20    | 4.9            | 5.9             | 6.6             | 7.5             | 8.3              | 10.8           | 13.0            | 14.5            | 16.5            | 18.2     |
| A2                             | 1.40                                | 0.35 | 0.49 | 20    | 4.9            | 5.9             | 6.6             | 7.5             | 8.3              | 2.5            | 2.9             | 3.3             | 3.7             | 4.1      |
| B                              | 8.73                                | 0.35 | 3.06 | 20    | 4.9            | 5.9             | 6.6             | 7.5             | 8.3              | 15.0           | 18.1            | 20.2            | 23.0            | 25.4     |
| FP1                            | 4.88                                | 0.35 | 1.71 | 20    | 4.9            | 5.9             | 6.6             | 7.5             | 8.3              | 8.4            | 10.1            | 11.3            | 12.9            | 14.2     |
| OS A1                          | 0.12                                | 0.35 | 0.04 | 20    | 4.9            | 5.9             | 6.6             | 7.5             | 8.3              | 0.3            | 0.3             | 0.3             | 0.4             | 0.4      |
| OS A2                          | 10.34                               | 0.35 | 3.62 | 20    | 4.9            | 5.9             | 6.6             | 7.5             | 8.3              | 17.8           | 21.4            | 23.9            | 27.2            | 30.1     |
| OS B                           | 4.06                                | 0.35 | 1.42 | 20    | 4.9            | 5.9             | 6.6             | 7.5             | 8.3              | 7.0            | 8.4             | 9.4             | 10.7            | 11.8     |
| OS FP                          | 6.76                                | 0.35 | 2.37 | 20    | 4.9            | 5.9             | 6.6             | 7.5             | 8.3              | 11.6           | 14.0            | 15.7            | 17.8            | 19.7     |
| OS Q                           | 0.70                                | 0.35 | 0.25 | 20    | 4.9            | 5.9             | 6.6             | 7.5             | 8.3              | 1.3            | 1.5             | 1.7             | 1.9             | 2.1      |
| OSX                            | REFER TO H&H STUDY FOR CALCULATIONS |      |      |       |                |                 |                 |                 |                  |                |                 |                 |                 |          |
| Totals                         | 43.25                               |      |      |       |                |                 |                 |                 |                  | 74.70          | 89.70           | 100.30          | 114.10          | 126.00   |

# - [(R<sup>3</sup>)(hr)]/[(ac-in)(sec)]  
 S - [(R<sup>3</sup>)(hr)]/[(in)(sec)]



TBM: "X" CUT ON CURB INLET ALONG NORTHSIDE OF DISCOVERY BLVD. APPROXIMATELY 570 FEET FROM EAST PROPERTY LINE. ELEV. = 564.92  
 BM: CITY OF ROCKWALL CONTROL MONUMENT "N1495". CALLED ELEV. = 566.71. MEASURED ELEV. = 566.83

- GENERAL NOTES**
1. THE DRAINAGE AREA MAPS PROVIDED IN THESE PLANS ARE FOR: COMPARING THE LOCAL PEAK FLOWS FROM EXISTING CONDITIONS THROUGH THE PROPOSED FIRST PHASE TO THE ULTIMATE BUILDOUT, AND TO SIZE THE ON-SITE STORM SEWER SYSTEM. DRAINAGE AREAS FOR THE GREATER WATERSHED ARE PROVIDED IN REPORT TITLED "HYDROLOGIC AND HYDRAULIC STUDY IN SUPPORT OF SWBC PHASE I DEVELOPMENT" PREPARED BY DHR ENGINEERING, INC.
  2. OFFSITE DRAINAGE AREA "OS-X" IS PROVIDED AS A PLACEHOLDER TO ACKNOWLEDGE DRAINAGE FROM ADDITIONAL SOURCES SOUTH OF PROJECT. OFFSITE DRAINAGE FROM DISCOVERY BOULEVARD AND POINTS SOUTH HAS NO IMPACT ON THE ON-SITE PEAK FLOW. FOR EVALUATION OF OFF-SITE DRAINAGE AREAS, REFER TO REPORT TITLED "HYDROLOGIC AND HYDRAULIC STUDY IN SUPPORT OF SWBC PHASE I DEVELOPMENT" PREPARED BY DHR ENGINEERING, INC.
  3. REFER TO REFERENCED REPORT FOR ADDITIONAL INFORMATION REGARDING OFF-SITE CONSTANTS/COEFFICIENTS/CALCULATIONS

**AS-BUILT RECORD DRAWING**

THE INFORMATION ON THESE PLANS HAS BEEN REVISED 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: 03/04/2021

The John R. McAdams Company, Inc.  
 111 Hillside Drive  
 Lewisville, Texas 75057  
 972.436.9712  
 201 County View Drive  
 Rockwall, Texas 75087  
 940.248.1817  
 TBPE: 19762 TBPLS: 10194440  
 www.mcadamsco.com

**MCADAMS**

**SWBC ROCKWALL**  
 Lot 1, Block A  
**SWBC ROCKWALL ADDITION, PHASE I**  
 21280 Acres  
 in the  
 CITY OF ROCKWALL, TEXAS  
 J.M. ALLEN SURVEY, ABSTRACT NO. 2  
 ROCKWALL COUNTY, TEXAS

**EXISTING DRAINAGE AREA MAP**

**MCADAMS**  
 TBPE: 19762

|                        |
|------------------------|
| Drawn By: MD           |
| Date: 12/19/2017       |
| Scale: 1"=80'          |
| Revisions:             |
| 03/23/2018 AS-BUILT S. |
| 05/16/2018 03/04/2021  |
| 07/16/2018             |
| 08/13/2018             |
| 10/12/2018             |
| 11/07/2018             |
| 12/14/2018             |
| 12/26/2018             |

**17193**

**OWNER/DEVELOPER**  
**SWBC BUILDERS**  
 5049 SHERRY LANE #760  
 DALLAS, TX 75226  
 Ph. (214) 987-8317  
 Contact: SPENCER BYINGTON

**C12**

File: Z:\2017\17193\SWBC\Rockwall\Addition\Phase I\AS-BUILT.dwg  
 Plotted: 3/7/2021 8:38 AM by S. Marie, Matthew St. Marie  
 Date: 2/20/2021 10:00 AM by S. Marie, Matthew St. Marie