



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

**Project Title:** CardenasTownhomes **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** LOTS 10,11,12- BLOCK 11 SWEARINGGEN-MAYBERRY SUBDIVISION  
**City Address:** 5905 MARBLE

**Applicant:** Ahmet Tiryaki **Contact:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Other Contact:** RIO GRANDE ENGINEERING **Contact:** DAVID SOULE  
**Address:** PO BOX 93924 ALB NM 87199  
**Phone#:** 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

**TYPE OF DEVELOPMENT:**  PLAT  RESIDENCE  DRB SITE  ADMIN SITE

Check all that Apply:

**DEPARTMENT:**

HYDROLOGY/ DRAINAGE  
 TRAFFIC/ TRANSPORTATION

**TYPE OF APPROVAL/ACCEPTANCE SOUGHT:**

BUILDING PERMIT APPROVAL  
 CERTIFICATE OF OCCUPANCY

**TYPE OF SUBMITTAL:**

ENGINEER/ARCHITECT CERTIFICATION  
 PAD CERTIFICATION  
 CONCEPTUAL G & D PLAN  
 GRADING PLAN  
 DRAINAGE REPORT  
 DRAINAGE MASTER PLAN  
 FLOODPLAIN DEVELOPMENT PERMIT APPLIC  
 ELEVATION CERTIFICATE  
 CLOMR/LOMR  
 TRAFFIC CIRCULATION LAYOUT (TCL)  
 TRAFFIC IMPACT STUDY (TIS)  
 STREET LIGHT LAYOUT  
 OTHER (SPECIFY) \_\_\_\_\_  
 PRE-DESIGN MEETING?

PRELIMINARY PLAT APPROVAL  
 SITE PLAN FOR SUB'D APPROVAL  
 SITE PLAN FOR BLDG. PERMIT APPROVAL  
 FINAL PLAT APPROVAL

SIA/ RELEASE OF FINANCIAL GUARANTEE  
 FOUNDATION PERMIT APPROVAL  
 GRADING PERMIT APPROVAL  
 SO-19 APPROVAL  
 PAVING PERMIT APPROVAL  
 GRADING/ PAD CERTIFICATION  
 WORK ORDER APPROVAL  
 CLOMR/LOMR  
 FLOODPLAIN DEVELOPMENT PERMIT  
 OTHER (SPECIFY) \_\_\_\_\_

IS THIS A RESUBMITTAL?:  Yes  No

DATE SUBMITTED: \_\_\_\_\_ By: \_\_\_\_\_

COA STAFF: \_\_\_\_\_

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

December 10, 2020

David Soule, P.E.  
Rio Grande Engineering  
P.O. Box 93924  
Albuquerque, NM 87199

**RE: Cardenas Townhomes  
5905 Marble Ave NE  
Grading and Drainage Plan  
Engineer's Stamp Date: 11/26/20  
Hydrology File: J18D049**

Dear Mr. Soule:

PO Box 1293  
Based upon the information provided in your submittal received 11/30/2020, the Grading and Drainage Plan is approved for Building Permit and SO-19.

Albuquerque  
Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter. Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

NM 87103  
www.cabq.gov  
If the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, [jhughes@cabq.gov](mailto:jhughes@cabq.gov), 924-3420) 14 days prior to any earth disturbance.

Also, please provide the Drainage Covenant for the proposed stormwater quality ponds per Article 6-15(C) of the DPM prior to Permanent Release of Occupancy. There is a recording fee (\$25, payable to Bernalillo County). Please contact Charlotte LaBadie ([clabadie@cabq.gov](mailto:clabadie@cabq.gov), 924-3996). Due to COVID-19, please follow the instructions:

Either email a pdf copy of the executed drainage covenant and the exhibit to [clabadie@cabq.gov](mailto:clabadie@cabq.gov) or either mail or drop off the originals. Please mail the \$25.00 recording fee check made payable to Bernalillo County to:

Planning Dept./DRC  
Attn: Charlotte LaBadie  
600 2nd St. NW, Ste. 400  
ABQ, NM, 87102

# CITY OF ALBUQUERQUE

*Planning Department*  
Brennon Williams, Director



*Mayor Timothy M. Keller*

If you drop off the originals, there is a drop box outside the building labeled DRC. Once approved and recorded, Charlotte will email you a copy.

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

Sincerely,

*Renée C. Brissette*

Renée C. Brissette, P.E. CFM  
Senior Engineer, Hydrology  
Planning Department

PO Box 1293

Albuquerque

NM 87103

[www.cabq.gov](http://www.cabq.gov)

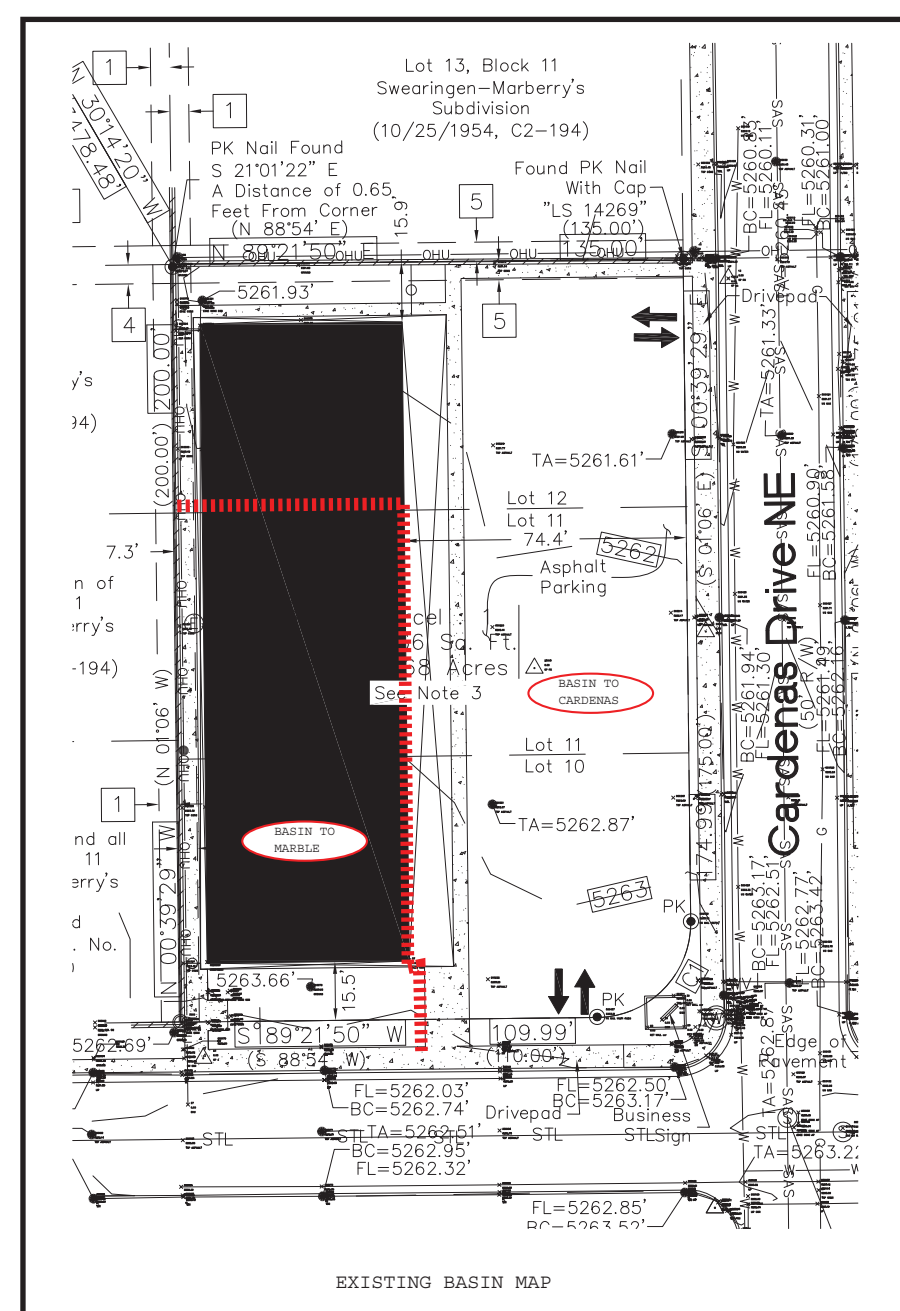
**Weighted E Method**

Basin	Area (sf)	Area (acres)	Treatment				100-Year, 6-hr.						
			Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs				
HISTORIC TO MARBLE	7252	0.166	0%	0	0.0%	0.000	14.0%	0.02331	86%	0.143	2.371	0.033	0.72
HISTORIC TO CARDENAS	19576	0.449	0%	0	6.0%	0.027	11.0%	0.04943	89%	0.400	2.464	0.092	2.02
PROPOSED TO MARBLE	6556	0.128	0%	0	10.0%	0.013	17.0%	0.02168	73%	0.093	2.149	0.023	0.52
PROPOSED TO CARDENAS	21272	0.488	0%	0	7.0%	0.034	29.0%	0.14162	64%	0.313	2.023	0.082	1.94

**Equations:**  
 Weighted E = Ea\**A*a + Eb\**A*b + Ec\**A*c + Ed\**A*d / (Total Area)  
 Volume = Weighted E \* Total Area  
 Flow = Qa \* *A*a + Qb \* *A*b + Qc \* *A*c + Qd \* *A*d  
 Where for 100-year, 6-hour storm (zone 3)  
 Ea= 0.67      Qa= 1.84  
 Eb= 0.8      Qb= 2.49  
 Ec= 1.09      Qc= 3.17  
 Ed= 2.58      Qd= 4.49

	TO MARBLE	TO CARDENAS
DISCHARGE PROPOSED	0.58 CFS	2.15
EXISTING DISCHARGE	0.8 CFS	2.25
FIRST FLUSH REQUIREMENT	114.9166 CF	385.73
FIRST FLUSH RETAINED	287 CF	951

**Narrative**  
 This project is a redevelopment of an existing office complex. The complex was recently demolished. The proposed development is a multifamily residential project. The existing site discharges 0.72 cfs to Marble and 2.02 cfs to Cardenas. The proposed development will continue to discharge 0.52 cfs to Marble, retaining the first flush volume of 115 cf. The proposed development will continue to discharge 1.94 cfs to Marble, retaining the first flush volume of 386 cf. The developed flow is less than historical and the first flush is retained.



**Private Drainage Facilities within City Right-of-Way  
 Notice to Contractor  
 (Special Order 19 ~ "SO-19")**

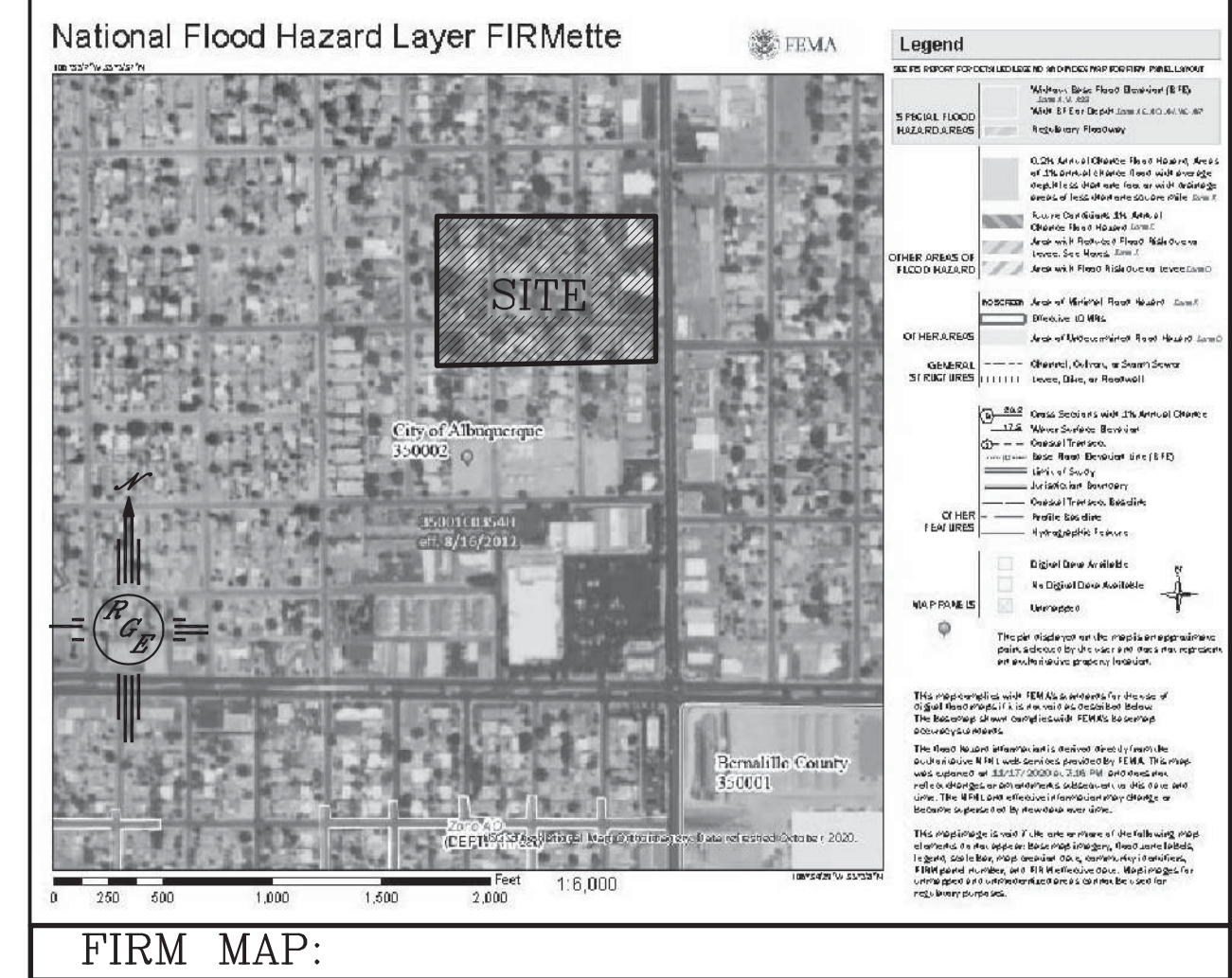
- Build sidewalk culvert per COA STD DWG 2236.
- Contact Storm Drain Maintenance at (505) 235-8106 to schedule a meeting prior to forming.
- An excavation permit will be required before beginning any work within City Right-Of-Way.
- All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- Two working days prior to any excavation, the contractor must contact **New Mexico One Call**, dial "811" [or (505) 260-1990] for the location of existing utilities.
- Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- Backfill compaction shall be according to traffic/street use.
- Maintenance of the facility shall be the responsibility of the owner of the property being served.
- Work on arterial streets may be required on a 24-hour basis.
- Contractor must contact Storm Drain Maintenance at (505) 235-8106 and Construction Coordination at 924-3416 to schedule an inspection.

**CAUTION:**  
 EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

REV. 05/01/2019

**EROSION CONTROL NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



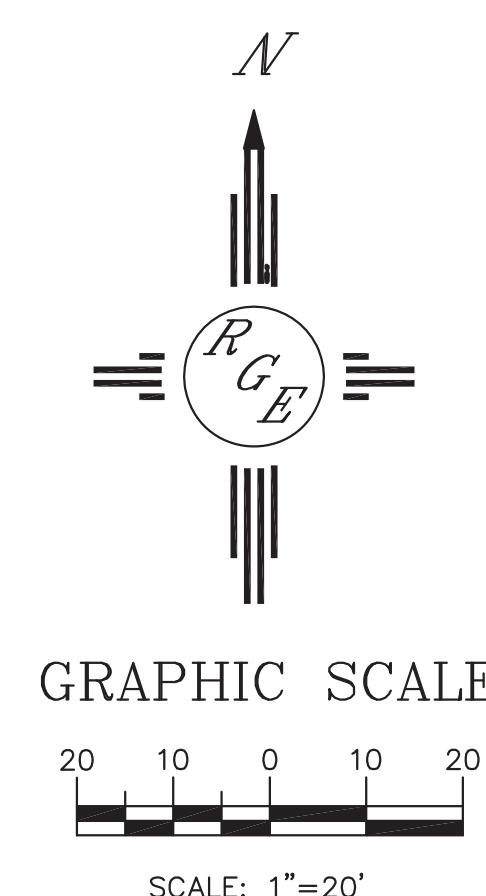
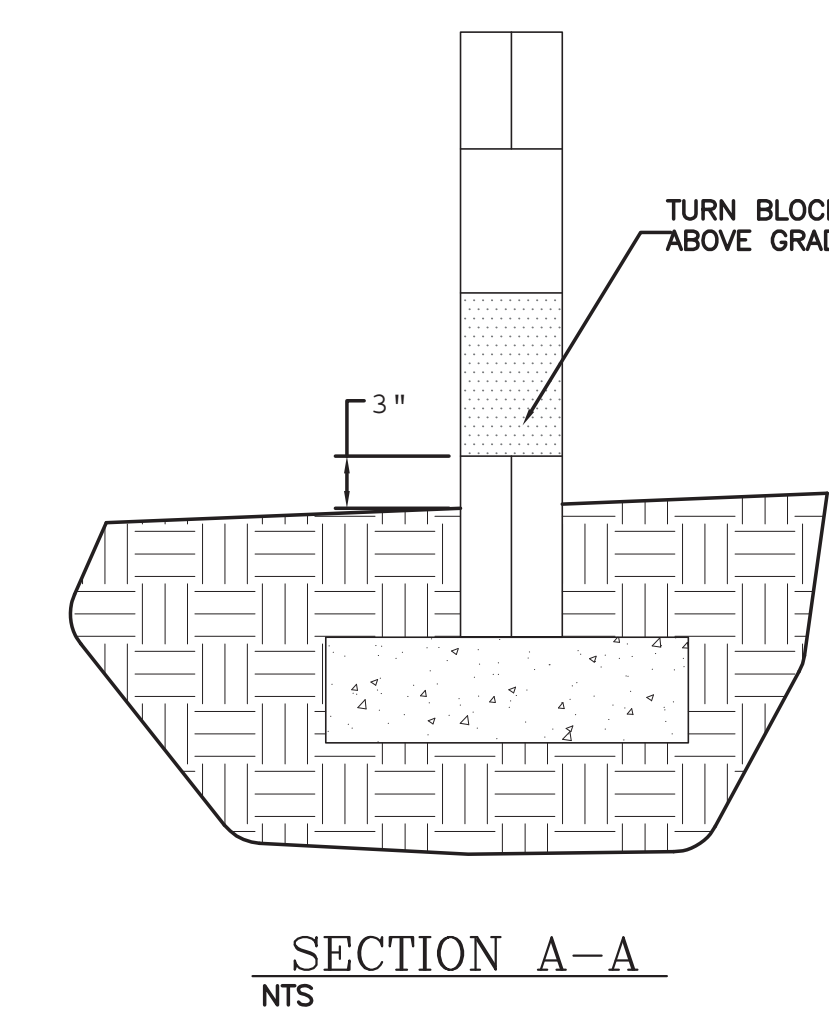
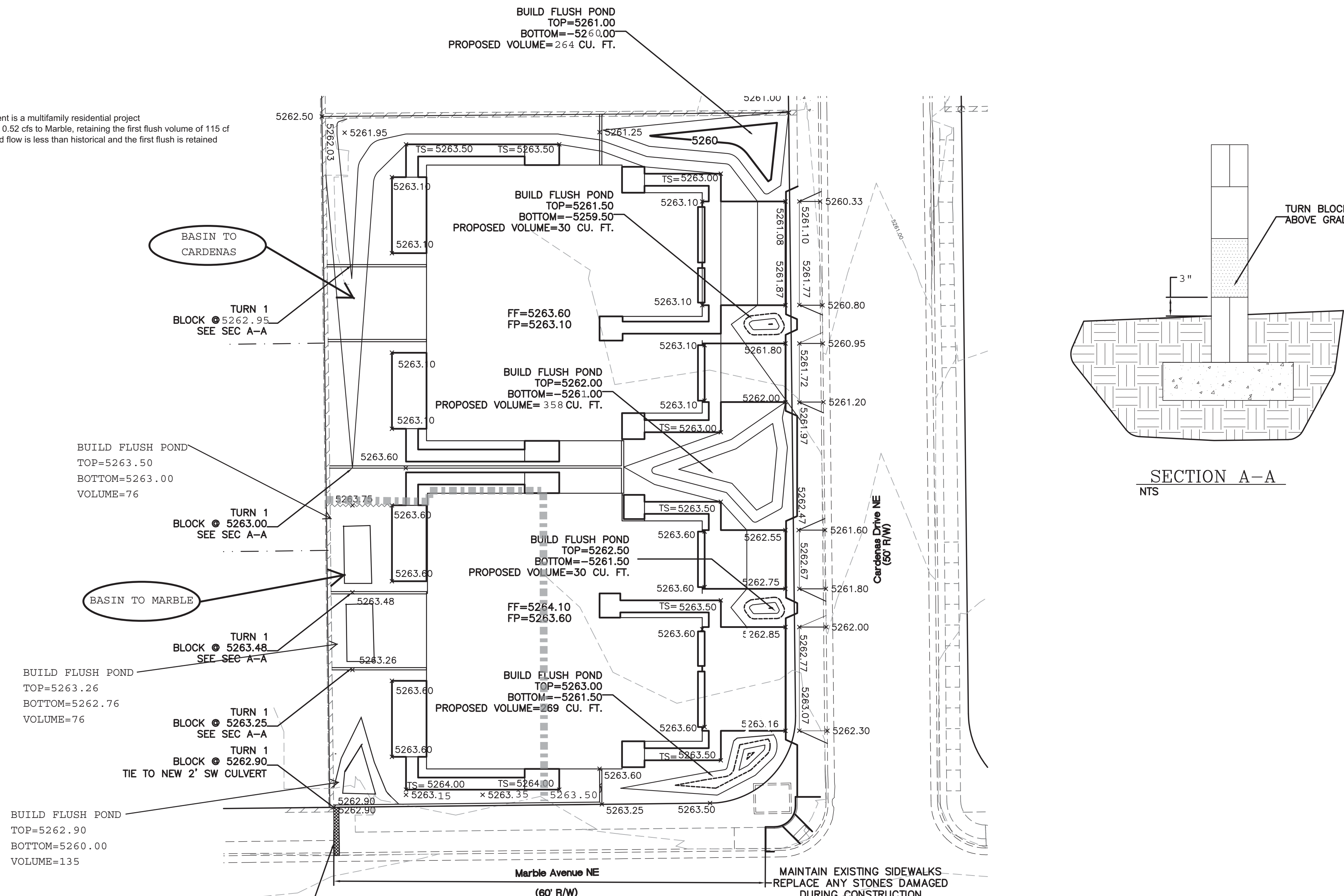
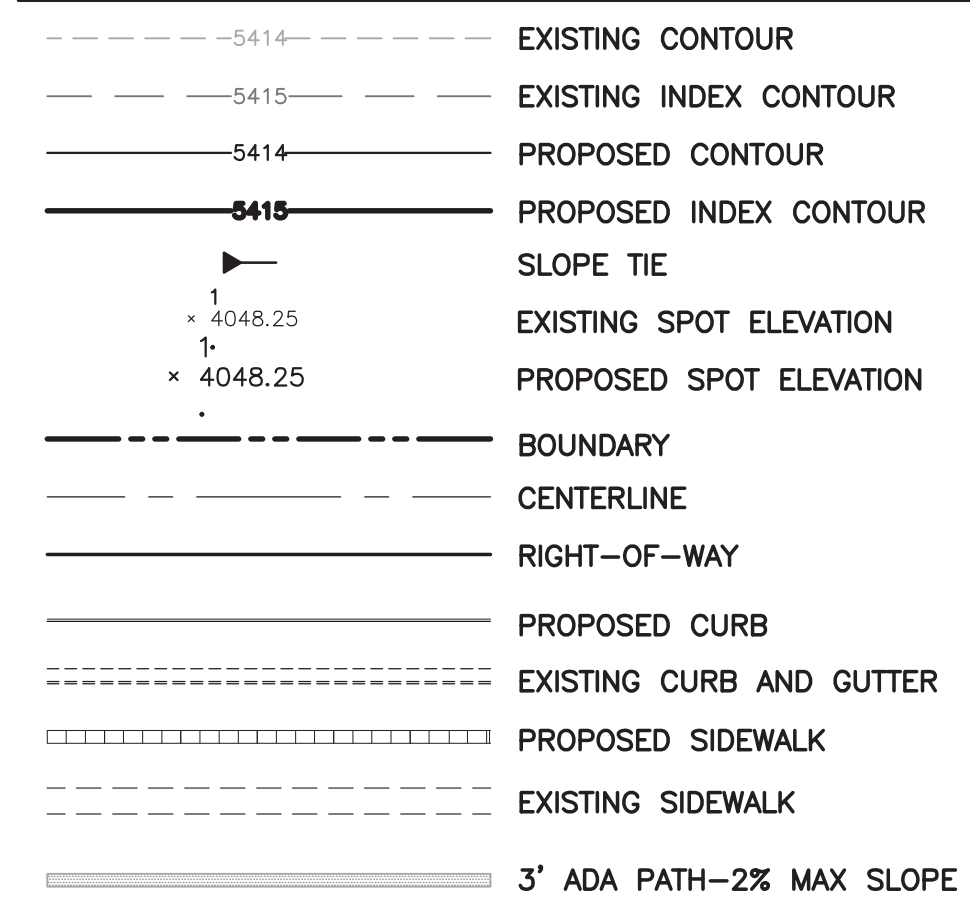
**LEGAL DESCRIPTION:**

LOTS 10-12, BLOCK 11  
 SWEARINGEN-MAYBERRY'S SUBDIVISION

**NOTES:**

- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL CURB AND GUTTER TO 6" HEADER UNLESS OTHERWISE NOTED.
- ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- ALL NEW PAVING SHALL BE 6" PCC OVER 8" SUBGRADE PREPARATION IN CONFORMANCE TO ACI 330R-08. UNLESS OTHERWISE NOTED.
- ANY CURBS OR PAVEMENT NEGATIVELY IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE REPLACED TO MATCH EXISTING CONDITIONS.
- ALL SITE WORK SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARDS FOR PUBLIC WORKS CONSTRUCTION EDITION 9

**LEGEND**



ENGINEER'S SEAL DAVID SOULE 14522 11/26/20 P.E. #14522	<b>CARDENAS TOWNHOMES</b>  <b>GRADING AND DRAINAGE PLAN</b>  <i>Rio Grande Engineering</i> 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	DRAWN BY WCWJ  DATE 11-24-20  2102103-LAYOUT-11-23-20  SHEET # —  JOB # 2102103
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