

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

May 2, 2024

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

**RE: Cactus Patch Plaza
7801 La Morada Place NW
Grading and Drainage Plan
Engineer's Stamp Date: No Date
Hydrology File: H10D034**

Dear Mr. Soule:

PO Box 1293

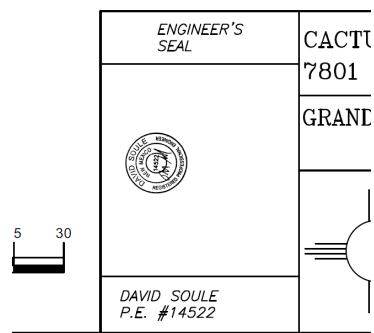
Based upon the information provided in your submittal received 04/25/2024, the Grading & Drainage Plan **is not** approved for Building Permit and Grading Permit. The following comments need to be addressed for approval of the above referenced project:

Albuquerque

1. Please provide an engineer's stamp with a signature and date. The seal that was provided was missed sized and rotated wrong.

NM 87103

www.cabq.gov



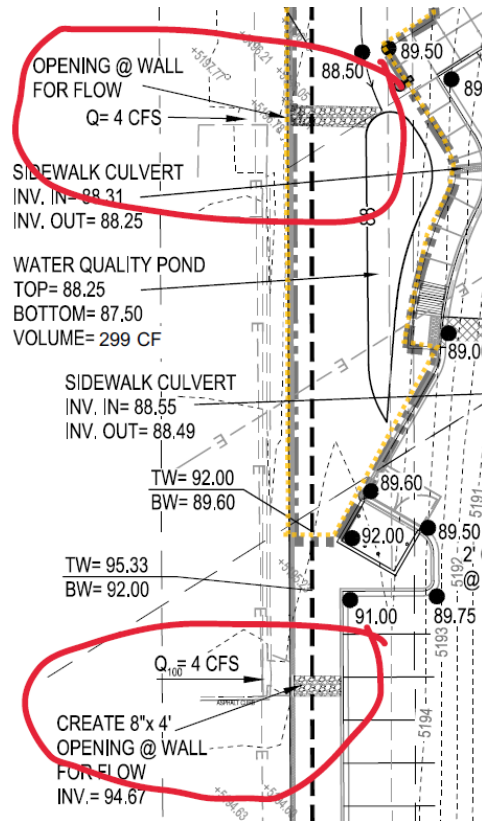
2. Please provide a section for this opening in the retaining wall. Also, please provide the opening calculations per the weir calculations, per DPM Article 6-16(A).

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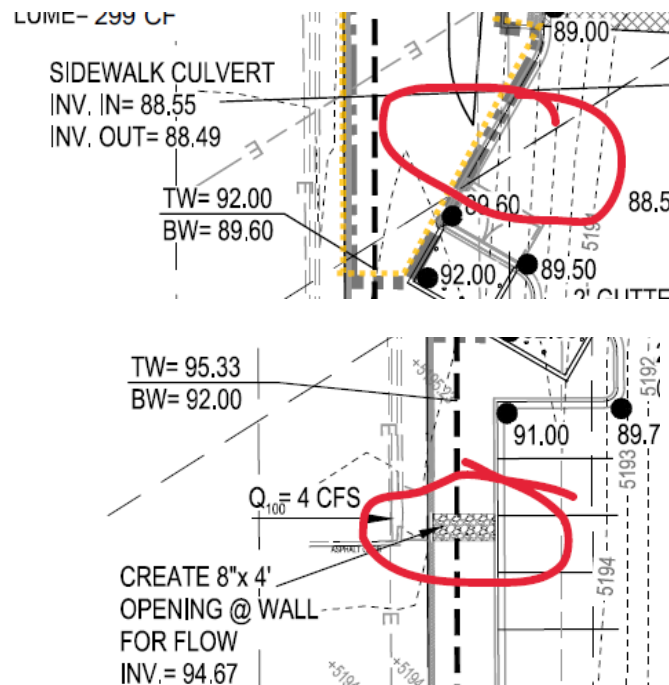
PO Box 1293

Albuquerque

3. Please provide a curb cuts for the offsite flows (4 cfs).

NM 87103

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As a reminder, 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, 924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

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

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title: _____ Hydrology File # _____

Legal Description: _____

City Address, UPC, OR Parcel: _____

Applicant/Agent: _____ Contact: _____

Address: _____ Phone: _____

Email: _____

Applicant/Owner: _____ Contact: _____

Address: _____ Phone: _____

Email: _____

(Please note that a DFT SITE is one that needs Site Plan Approval & ADMIN SITE is one that does not need it.)

TYPE OF DEVELOPMENT: PLAT (#of lots) _____ RESIDENCE
DFT SITE ADMIN SITE

RE-SUBMITTAL: YES NO

DEPARTMENT: TRANSPORTATION HYDROLOGY/DRAINAGE

Check all that apply under Both the Type of Submittal and the Type of Approval Sought:

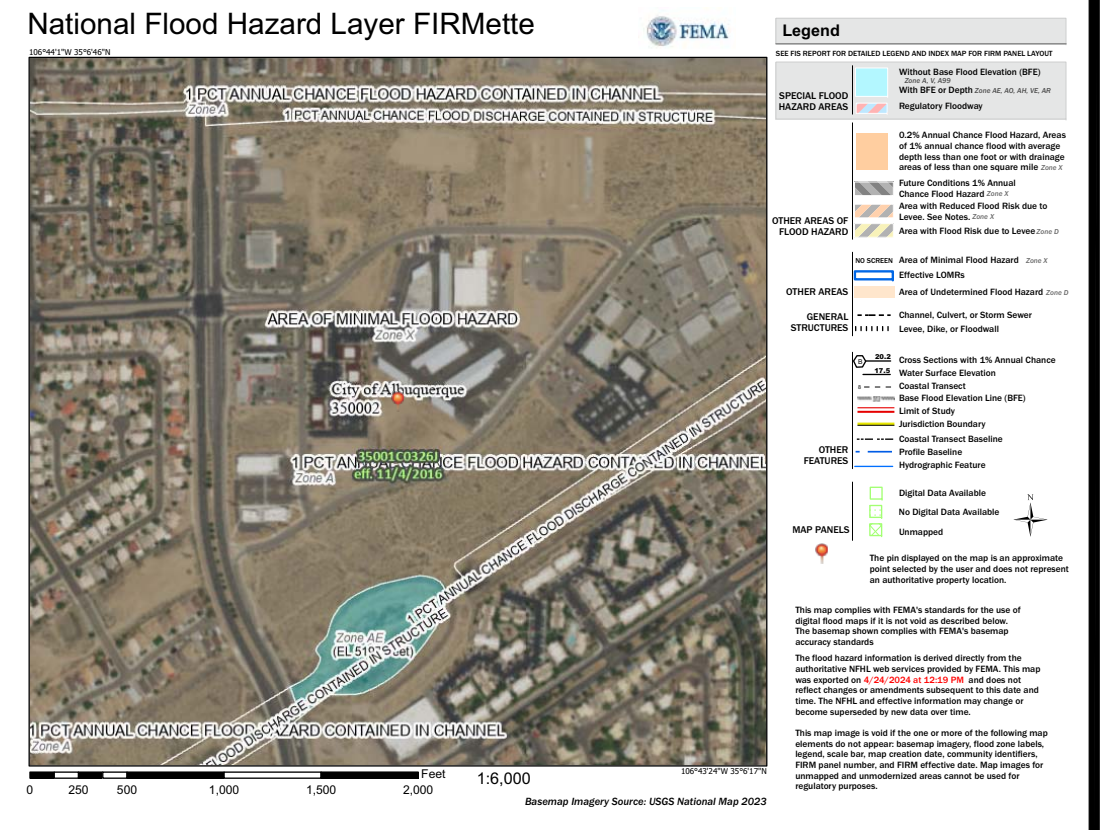
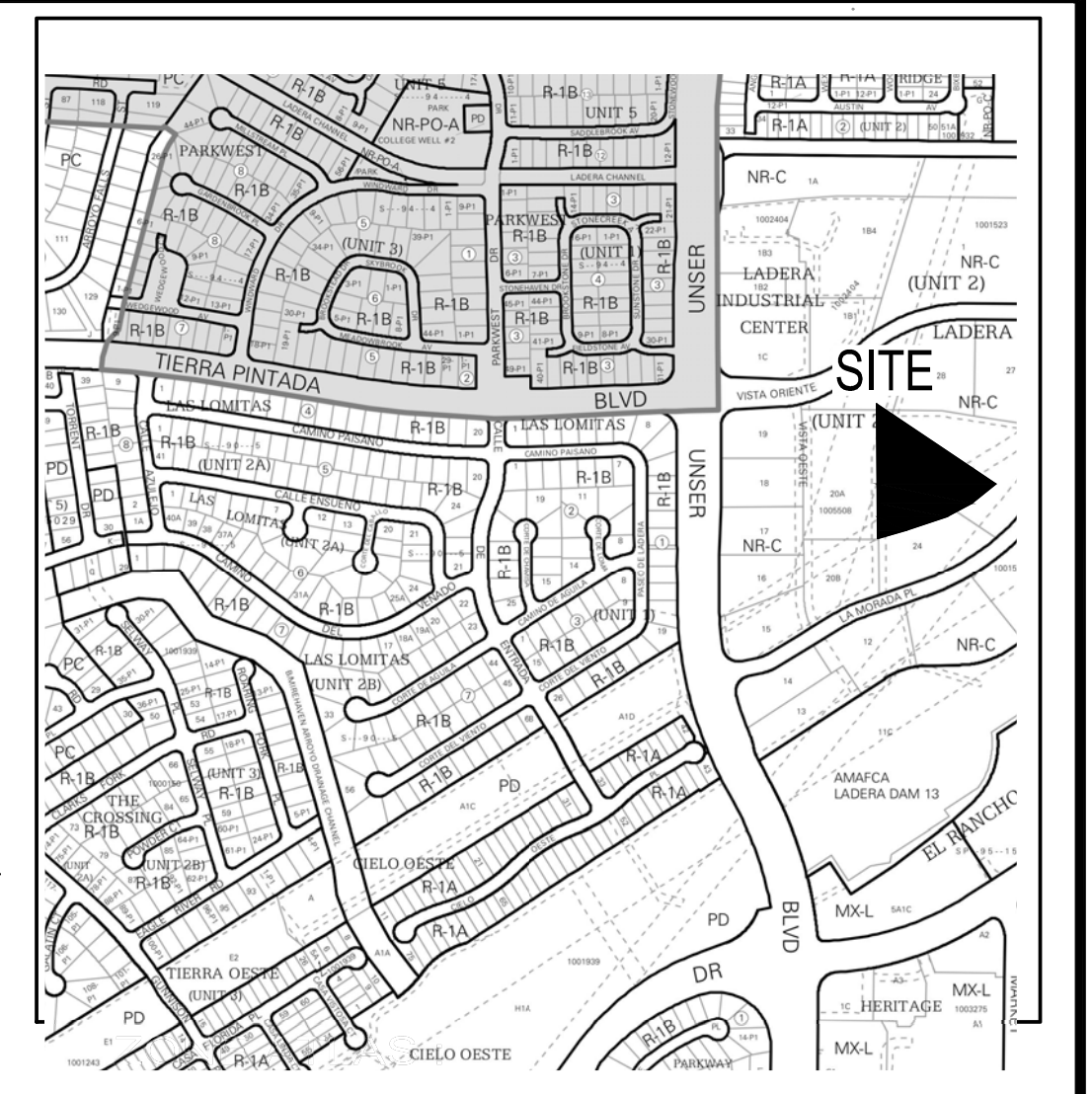
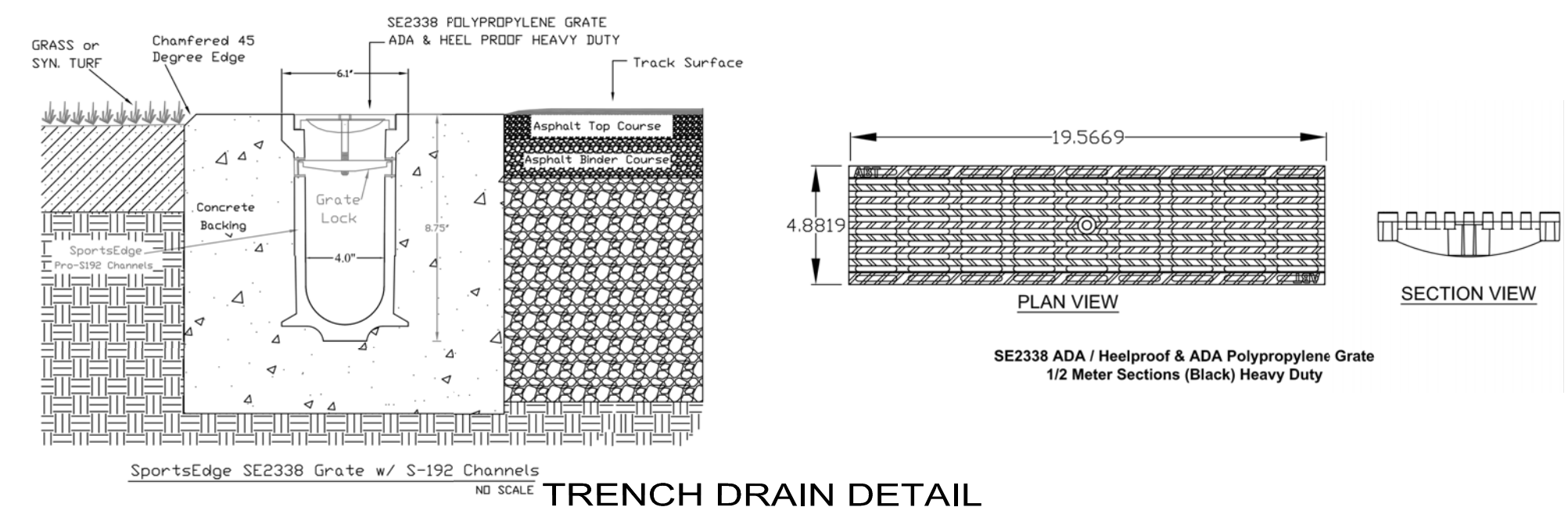
TYPE OF SUBMITTAL:

ENGINEER/ARCHITECT CERTIFICATION
PAD CERTIFICATION
CONCEPTUAL G&D PLAN
GRADING & DRAINAGE PLAN
DRAINAGE REPORT
DRAINAGE MASTER PLAN
CLOMR/LOMR
TRAFFIC CIRCULATION LAYOUT (TCL)
ADMINISTRATIVE
TRAFFIC CIRCULATION LAYOUT FOR DFT
APPROVAL
TRAFFIC IMPACT STUDY (TIS)
STREET LIGHT LAYOUT
OTHER (SPECIFY) _____

TYPE OF APPROVAL SOUGHT:

BUILDING PERMIT APPROVAL
CERTIFICATE OF OCCUPANCY
CONCEPTUAL TCL DFT APPROVAL
PRELIMINARY PLAT APPROVAL
FINAL PLAT APPROVAL
SITE PLAN FOR BLDG PERMIT DFT
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
OTHER (SPECIFY) _____

DATE SUBMITTED: _____



Weighted E Method								100-Year, 6-hr.			24 hour
Basin	Area (sf)	Area acres	Treatment A % acres	Treatment B % acres	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volume (cfs)	Flow cfs	Volume (cfs)	
ALLOWED										12.00 0.000	
PROPOSED A	62796	0.144	0%	0%	5% 0.007	30% 0.0432	65% 0.094	1.778	0.021	0.53 0.028	
PROPOSED B	102633	0.235	0%	0%	0% 0.000	22% 0.0516	78% 0.164	1.856	0.038	0.91 0.051	
PROPOSED C	8824	0.203	0%	0%	13% 0.026	20% 0.0405	67% 0.136	1.789	0.030	0.73 0.039	
PROPOSED D	15100	0.034	0.347	0%	0.10% 0.035	29% 0.1005	61% 0.211	1.715	0.050	1.23 0.064	
PROPOSED E	1654	0.008	0%	0%	0% 0.000	10% 0.0038	90% 0.034	2.111	0.007	0.15 0.009	
PROPOSED F	5629	0.129	0%	0%	0% 0.000	87% 0.1124	13% 0.017	1.118	0.012	0.39 0.013	
PROPOSED G	7484	0.172	0%	0%	0% 0.000	64% 0.11	36% 0.062	1.414	0.020	0.57 0.024	
PROPOSED H	63260	1.452	0.452	0%	0% 0.000	6% 0.0871	94% 1.365	2.163	0.262	5.37 0.353	
COMPARISON									0.038	10.39 0.001	

Equations:

Weighted E = Ea* Aa + Eb* Ab + Ec* Ac + Ed* Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm, zone 1

Ea= 0.55	Qa= 1.54
Eb= 0.73	Qb= 2.16
Ec= 0.95	Qc= 2.87
Ed= 2.28	Qd= 4.12

ONSITE Conditions

FIRST FLUSH WATER QUALITY	VOLUME REQUIRED	PROVIDED
	(CF)	(CF)
WATER QUALITY	0	2229
FLOOD CONTROL	2305	2229

Narrative

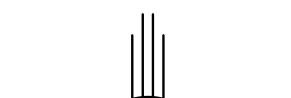
This site is within the Ladera Business Park Master Drainage plan boundaries. The site is allowed to discharge 12 cfs to La Morada Place. This site is impacted by 8cfs from upland that is allowed to enter and free discharge from this site.

We propose to discharge 10.39 cfs, which is less than allowed. We also are retaining 2229 cf for water quality that exceeds the 2205 required. This plan was modified to modify the dirt balance and to provide a modified drainage solution. The plan conforms to the master drainage plan and the city of Albuquerque drainage ordinance

REV. 01/22/21

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

1. Build sidewalk culvert per COA STD DWG 2236. Work is permitted and inspected by DMD Construction Services Division.
2. An excavation permit will be required before beginning any work within City Right-Of-Way.
3. 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.
4. Prior to any excavation, the contractor must contact New Mexico One Call, dial "811" [or (505) 260-1990] for the location of existing utilities.
5. 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.
6. Backfill compaction shall be 95%.
7. Maintenance of the facility shall be the responsibility of the owner of the property being served.
8. Work on arterial streets may be required on a 24-hour basis.
9. For excavation and barricading inspections, contact DMD Construction Services Division.

	ENGINEER'S SEAL	CACTUS PATCH PLAZA 7801 LA MORADA PL. NW	DRAWN BY DEM
		GRANDING AND DRAINAGE PLAN	DATE 2-15-24
			<i>Caution Patch Plaza Topo With New Site/ING</i>
		<i>Rio Grande Engineering</i> 1606 CENTRAL AVENUE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # C-1
DAVID SOULE P.E. #14522			JOB # XXXXX