

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

October 16, 2024

Patrick J. Conley, P.E.
Conley Engineering, LLC
3915 Carlisle Blvd. NE
Albuquerque, NM 87107

**RE: New Mexico International Playground Improvements
7215 Montgomery Blvd. NE
Grading and Drainage Plan
Engineer's Stamp Date: 09/04/2024
Hydrology File: F19D003B**

Dear Mr. Conley:

PO Box 1293

Based upon the information provided in your submittal received 09/10/2024, the Grading & Drainage Plan is approved for Building Permit, and Grading Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

Albuquerque

PRIOR TO CERTIFICATE OF OCCUPANCY:

NM 87103

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

www.cabq.gov

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, 505-924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 505-924-3995 or richardmartinez@cabq.gov.

Sincerely,

Richard Martinez, P.E.
Senior Engineer, Hydrology
Planning Department

PROJECT INFORMATION

Site Location: The project area is currently fully developed as a school for the New Mexico International School. The site is vicinity map is F-19-Z and is bounded by Montgomery Blvd NE on the south, Gene Avenue NE on the north and Chama Street NE on the west.

Site Modifications: The proposed improvements include replacing an existing asphalt parking lot and curb and gutter with a new artificial turf play field, sidewalks, and landscape areas. The total area of the proposed improvements is 0.324 acres.

Legal: TR A-1-A PLAT OF LOTS A-1-A AND A-1-B KNAPP HEIGHTS ADDITION UNIT 2 CONT 6.5270 AC

Address: 7215 Montgomery Blvd NE Albuquerque NM 87109

Project Area Size: 6.53 Acres

Flood Hazard: The project is in an area designated as Zone X per the Bernalillo County FIRM map 35001C0139G effective 9/26/2008.

HYDROLOGY

Off-Site Flow: There are no off-site flows that enter the site.

Hydrology: The existing project area is an asphalt parking lot and is 100% Land Treatment "D". The peak runoff rate for the existing for the 100-Year, 6-Hour peak runoff rate for the project is 1.45 cfs. The proposed development is a combination of concrete flatwork, an artificial turf paying field and landscaped areas. This combination of Land Treatments "B", "C", and "D" results in a peak runoff rate for the 100-Year, 6-Hour peak runoff rate of 1.03 cfs. This is a reduction in the runoff rate of 0.42 cfs.

Storm Water Quality Retention: A new water quality basin will be constructed on the site to contain the water quality volume of 75 cubic feet. The water quality basin has a total volume of 79 cubic feet and will retain the full amount of required water quality volume for the project area. In addition, the landscape rock will provide for added storage for water quality flows. Flows that are in excess of the retained water quality volume will pass through the pond and then will move along historic flow paths on the site.

Basin Areas and Land Use for Project

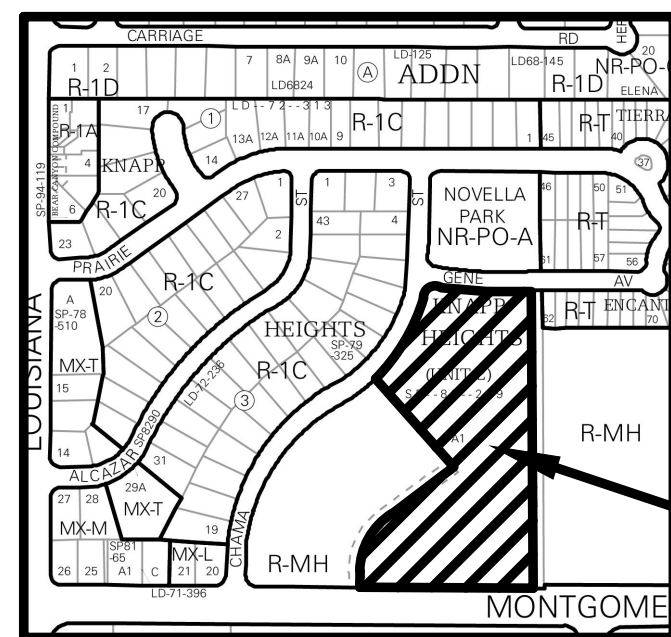
BASIN	AREA, SF	AREA, AC	AREA BY EXISTING LAND USE				AREA BY PROPOSED LAND USE			
			A	B	C	D	A	B	C	D
1	14094	0.324	0	0	0	14094	0	6477	4169	3448
Project Total		0.324	14094				6477 4169 3448			

Stormwater Quality Volume Calculation

Proposed Land Use "D" Area, Square Feet:		3448
Required SWQV (0.26/12" Land Use "D" Area), Cubic Feet		75

EXISTING CONDITIONS		
Precip Zone 3		
100-Year, 6-Hour Storm		
Weighted excess precipitation		
$(Ea \cdot Aa + Eb \cdot Ab + Ec \cdot Ac + Ed \cdot Ad) / (Aa + Ab + Ac + Ad)$		
Land Use	E Value	Qp cfs/acre
A	0.67	1.84
B	0.86	2.49
C	1.09	3.17
D	2.58	4.49
Basin 1		
Land Use	SF	% Land Use
A	0	0
B	0	0
C	0	0
D	14094	100
Total	14094	100
Weighted Excess Precipitation, inches		
Volume Runoff, cubic feet		
Peak Runoff Rate, cfs		
Total Volume Runoff, cubic feet	3030	
Total Peak Runoff Rate, cfs	1.45	

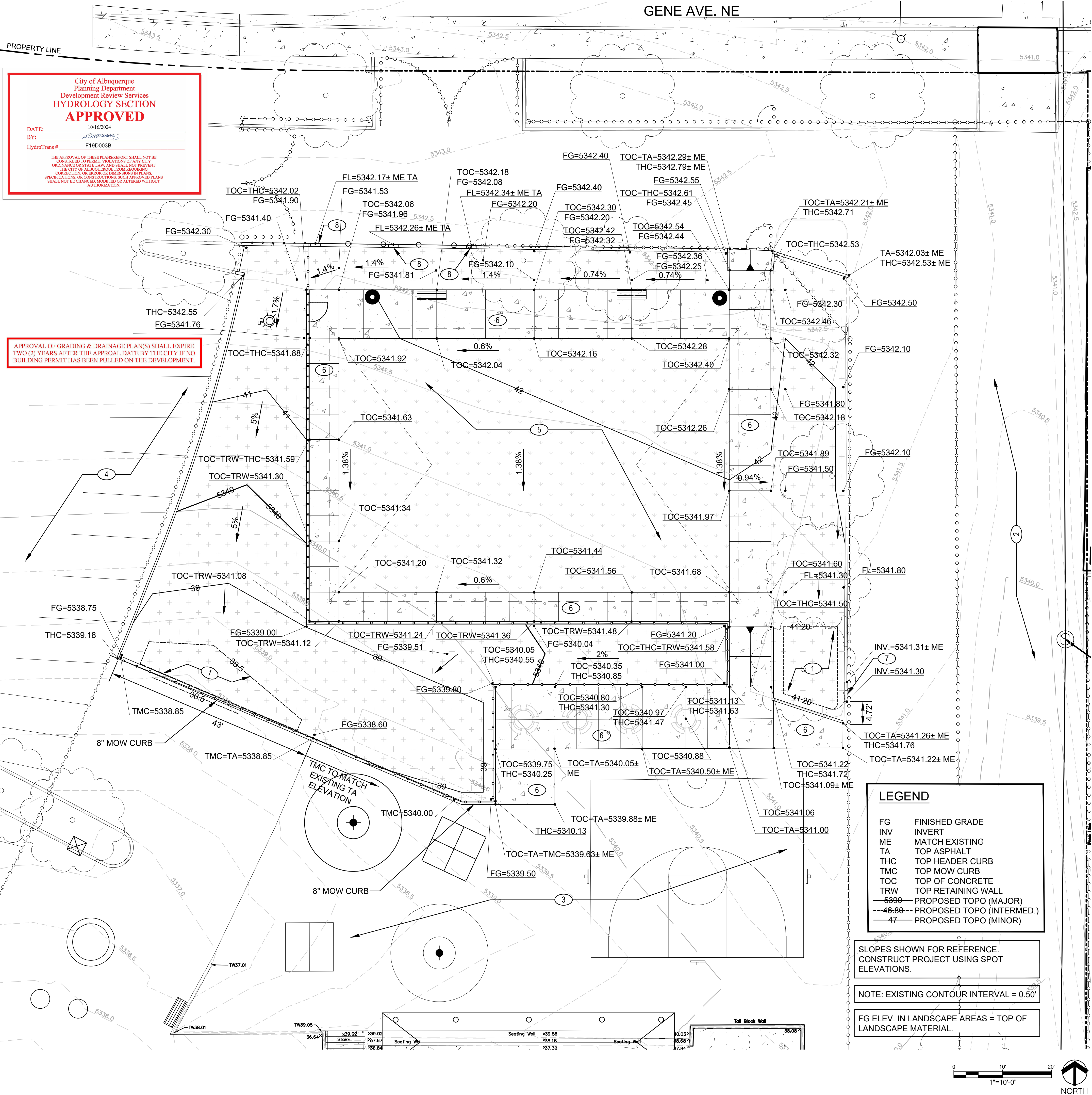
PROPOSED CONDITIONS		
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Land Use	E Value	Qp cfs/acre
A	0.67	1.84
B	0.86	2.49
C	1.09	3.17
D	2.58	4.49
Basin 1		
Land Use	SF	% Land Use
A	0	0
B	6477	46
C	4169	30
D	3448	24
Total	14094	100
Weighted Excess Precipitation, inches		
Volume Runoff, cubic feet		
Peak Runoff Rate, cfs		
Total Volume Runoff, cubic feet	1584	
Total Peak Runoff Rate, cfs	1.03	



ZONE ATLAS PAGE F-19-Z

KEYED NOTES

- 1 WATER QUALITY BASIN.
- 2 EXISTING DRAINAGE SWALE.
- 3 EXISTING PLAY AREA.
- 4 EXISTING PARKING AREA.
- 5 ARTIFICIAL TURF FIELD. SEE LANDSCAPE ARCHITECT SHEET.
- 6 NEW PCC SIDEWALK AND FLATWORK. SEE LANDSCAPE ARCHITECT SHEET.
- 7 SAWCUT 4' LONG DRAINAGE OPENING IN EXISTING PCC CURB.
- 8 CONCRETE HEADER CURB OPENING IN NEW 6" CURB PER DETAIL 4/L501.



CONSENSUS

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Albuquerque, NM 87102
(505) 764-9801 Fax 842-5495
e-mail: cp@consensusplanning.com

CONSULTANTS

CONLEY
ENGINEERING
LLC

3915 Carlisle Blvd NE Albuquerque, NM 87107 505-331-1587



NEW MEXICO
INTERNATIONAL
SCHOOL
PLAYGROUND
IMPROVEMENTS

7215 MONTGOMERY BLVD. NE,
ALBUQUERQUE, NM 87109

SUBMITTAL: SEPTEMBER 2024

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO:

CAD DWG FILE:

DESIGNED BY: PJC DATE: 09/2024

DRAWN BY: CE DATE: 09/2024

CHECKED BY: PJC DATE: 09/2024

SHEET TITLE

GRADING PLAN

DRAWING SHEET

G101