## CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



November 8, 2021

James E. Lopez, P.E. Wilson & Company 440I Masthead St. NE Albuquerque, NM 87113

**RE:** Barelas Park Improvements

**Grading & Drainage Plan** 

Engineer's Stamp Date: 09/14/21

**Hydrology File: K14D047** 

Dear Mr. Lopez:

PO Box 1293

Based upon the information provided in your submittal received 09/27/2021, 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, 924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 924-3995 or <a href="mailto:rbrissette@cabq.gov">rbrissette@cabq.gov</a>.

Sincerely,

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

Renée C. Brissette

Planning Department



# City of Albuquerque

## Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

AAAAA			
Project Title: Barelas Park Improvements Building Permit #:		Hydrology File #:	
	EPC#: Work Order#:  MAP 40 TR 127 (AKA TR IN NW 1/4 SW 1/4 SEC 20 T10N R3E ADJ TO BLKS 1 & 2 RIO GRANDE PA		
MAP 40 TR 127 (AKA TR ADD'N) CONT 2.5742	ÎN NW 1/4 SW 1	/4 SEC 20 T10N R3E /	ADJ TO BLKS 1 & 2 RIO GRANDE PARK
City Address: 801 Barelas St SW, Albud	querque, NM	1 87102	
Applicant: Wilson & Compnay, Inc., Eng	gineers & Ar	chitects	Contact: James Lopez, PE
Address: 4401 Masthead St NE Albuqu	erque, NM 8	7109	
Phone#: (505)-730-8013	5)-730-8013 Fax#: (505)-348-4055		E-mail: Jelopez@wilsonco.com
Other Contact:			Contact:
Address:			
	Fax#:		E-mail:
TYPE OF DEVELOPMENT: PLAT	(# of lots)	RESIDENCE _	DRB SITE ADMIN SITE
IS THIS A RESUBMITTAL? Yes	No		
DEPARTMENT TRANSPORTATION	HYD	ROLOGY/DRAINAC	GE .
Check all that Apply:  TYPE OF SUBMITTAL:  ENGINEER/ARCHITECT CERTIFICATION  PAD CERTIFICATION  CONCEPTUAL G & D PLAN  GRADING PLAN  DRAINAGE REPORT  DRAINAGE MASTER PLAN  FLOODPLAIN DEVELOPMENT PERMIT A  ELEVATION CERTIFICATE  CLOMR/LOMR  TRAFFIC CIRCULATION LAYOUT (TCL)  TRAFFIC IMPACT STUDY (TIS)  STREET LIGHT LAYOUT  OTHER (SPECIFY)  PRE-DESIGN MEETING?	APPLIC	BUILDING CERTIFICA  PRELIMINA SITE PLAN SITE PLAN FINAL PLA  SIA/ RELEA FOUNDATI GRADING SO-19 APPI PAVING PI GRADING/ WORK ORD CLOMR/LO FLOODPLA	ASE OF FINANCIAL GUARANTEE ION PERMIT APPROVAL PERMIT APPROVAL ROVAL ERMIT APPROVAL PAD CERTIFICATION DER APPROVAL
DATE SUBMITTED: <u>9/27/2021</u>	By: Jam	es Lopez, PE	
COA STAFF:		SUBMITTAL RECEIVED:	

FEE PAID:\_



### **Memorandum**

Arizona
California
Colorado
Kansas
Louisiana
Minnesota
Missouri
Nebraska
New Mexico
Texas
Ultah

To: Renée Brissette, PE, CFM

From: Luke Soens, EIT

**CC:** James Lopez, PE

**Date:** 09/27/21

Re: Barelas Park Improvements G&D Comments

#### Introduction

Comments for the Barelas Park Improvements were received, and some clarification is needed. Below, we addressed these comments to the best of our ability.

#### Sheet C-102

Please update the reference to the Development Process Manual (DPM). The current DPM (signed 06/08/20) for the procedure for 40 acre and smaller basins is outlined in Article 6-2(a). Please also correct any changes in the calculations. The Q100 under the new DPM has been found to be less than the old DPM.

See plan for adjustments.

Please follow the DPM (signed 06/08/20) Article 6-12 Stormwater Quality and Low-Impact Development for the sizing calculations and provide the required calculations. To calculate the required SWQV, multiply only the proposed impervious area (buildings, sidewalks, and paving) draining to the BMP by 0.26 inches for redevelopment sites which this project falls under.

See plan for adjustments.

Please either provide a reference to the weir equations or provide the weir calculations, per DPM Article 6-16(A) for the curb cuts. A coefficient of 2.7 is typically used for the weir equation  $Q = CLH^{2/3}$ .

See plan for adjustments.

What could be helpful is showing the existing storm sewer and the proposed storm sewer on this overall map. I have highlighted the existing in red and the proposed in green. The existing I showed are from the City's GIS. There are some proposed lines that may need to be adjusted or abandoned if not going to be used anymore.

See plan for adjustments.

One thing that I was wondering that I am assuming is a shade structure at Basin 210. The existing parking lot appears to have been used as a ponding area with an inlet. Is this being removed?

This is not a pond, rather, it is an area where the roadway would drain to. Water accumulated in this area but is now being captured upstream.





#### Sheet C-103

What could be helpful is showing the existing storm sewer. This could be labeled either "field verified" or "not field verified".

See plan for adjustments.

Pond 1 has two power poles in the middle of it. Is this pond actually a viable pond? Would the excavation of it cause the two power poles to be compromised? Please verify if this pond can be used. Also, where is the pond outfall? Typically, this is a sidewalk culvert at the elevation of the Stormwater Quality water surface elevation but there is no place to put a sidewalk culvert.

This is a landscape depression. There is a curb cut that allows for flow to exit the depression area on the south side.

Pond 2's outfall will be the Beehive Grate. The grate elevation should be the same as the elevation of the Stormwater Quality water surface elevation for the pond.

See plan for adjustments.

Please add this note for all Stormwater Quality Ponds. "Pond side slopes need to be stabilized with Native Grass Seed with Aggregate Mulch or equal (Must satisfy the "Final Stabilization criteria" CGP 2.2.14.b.)".

See plan for adjustments.

#### Sheet C-104

Instead of boring an 18-in RCP under the existing raised planter, wouldn't be better to just add another inlet and route the new pipe as shown? Something to think about.

The area north of sidewalk is a playground, which means there will not be enough cover for the describe pipe.

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.

See plan for adjustments.

#### **Conclusion**

All other comments made about the Grading and Drainage plan were revised in their respective sheet set. All calculations for hydrology were updated to the current Albuquerque DPM (signed 06/08/20).







