CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

June 9, 2022

Scott Eddings, PE Huitt-Zollars 333 Rio Rancho Blvd Rio Rancho, NM 87124

RE: APD Crime Paving Improvements 5203 2nd St. NW Grading and Drainage Plan Engineer's Stamp Date: 6/7/22 Hydrology File: F15D019A

Dear Mr. Eddings:

Based upon the information provided in your submittal received [xx/xx/xxxx], the Grading & Drainage Plan **is not** approved for Grading Permit. The following comments need to be addressed for approval of the above referenced project:

PO Box 1293 General Notes

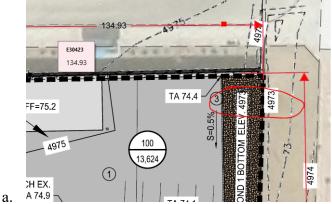
- 1. Please use a 1:20 scale.
- 2. Please fade back the existing G&D copied over and make it clear with a note that it is present and is for informational purposes. Perhaps outline or lightly hatch to explain that is existing? I leave that up to you to clearly communicate that it is existing.
- 3. Please clearly define the basing boundary as the area defined for construction limits of the proposed G&D.
- 4. Please provide a section of the pond and provide elevations (100 year storm, outlet elevation, SWQV elevation bottom etc...)

www.cabq.gov

Albuquerque

NM 87103

- 5. Please clearly
 - 6. This is unclear (see image below) regarding what elevation this belongs to. Please clarify. Is it the countour? If so, it matches the pond bottom and I cannot tell what the top of pond is and how it spills out.



CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

7. Please clearly show keyed note 4. I could barely find it in the plan. See image below.

	 a. b. Are there calculations showing the weir opening? Please demonstrate how it will handle the flow going into the pond. c. Provide a detail for construction purposes. It needs inverts at top and bottom as
PO Box 1293	 well. 8. Please clearly show a graphic of where the pond will discharge. (overflow) 9. Will there be a curb and gutter on this parking lot or simply edge of pavement? It is unclear the transition and if there is a flowline to get flow to the rundown.
Albuquerque	10. Please provide benchmark coordinates and tie the construction limits to the benchmark.11. Please include datum reference.12. Please note this is a retention pond but note where emergency outlet will be.
NM 87103	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
www.cabq.gov	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 924-3695 or <u>dggutierrez@cabq.gov</u>
	Sincerely,

Quilit

David G. Gutierrez, P.E. Senior Engineer, Hydrology Planning Department



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

Project Title ^{APD} CRIME PAVING IMPROVEMENTS Building	g Permit # <u>BP-2021-37278</u> Hydrology File #			
DRB#	_EPC#			
Legal Description: Tract A Sanchez-Mel Lath & Plaster	City Address OR Parcel 5203 Second St, NW			
Hutt Zollara Ing	2			
Applicant/Agent: Huitt-Zollars, Inc.	Contact: Scott Eddings			
Address: 333 Rio Rancho Blvd	Phone: 505-235-7211			
Email: seddings@huitt-zollars.com				
Applicant/Owner: City of Albuquerque APD	Contact: Stacy Herrera			
Address:	Phone: <u>328-7471</u>			
Email: stacyherrera@cabq.gov				
TYPE OF DEVELOPMENT: PLAT (#of lots) RI RE-SUBMITTAL: YES x NO DEPARTMENT: TRANSPORTATION x Check all that apply:				
	E OF APPROVAL/ACCEPTANCE SOUGHT:			
ENGINEER/ARCHITECT CERTIFICATION	X_BUILDING PERMIT APPROVAL			
PAD CERTIFICATION	CERTIFICATE OF OCCUPANCY			
CONCEPTUAL G&D PLAN	CONCEPTUAL TCL DRB APPROVAL			
<u>X</u> GRADING PLAN	PRELIMINARY PLAT APPROVAL			
DRAINAGE REPORT	SITE PLAN FOR SUB'D APPROVAL			
DRAINAGE MASTER PLAN FLOOD PLAN DEVELOPMENT PERMIT APP.	SITE PLAN FOR BLDG PERMIT APPROVAL FINAL PLAT APPROVAL			
ELEVATION CERTIFICATE	SIA/RELEASE OF FINANCIAL GUARANTEE			
CLOMR/LOMR	FOUNDATION PERMIT APPROVAL			
TRAFFIC CIRCULATION LAYOUT (TCL)	X GRADING PERMIT APPROVAL			
ADMINISTRATIVE	SO-19 APPROVAL			
TRAFFIC CIRCULATION LAYOUT FOR DRB	X PAVING PERMIT APPROVAL			
APPROVAL	GRADING PAD CERTIFICATION			
TRAFFIC IMPACT STUDY (TIS)	WORK ORDER APPROVAL			
STREET LIGHT LAYOUT	CLOMR/LOMR			
OTHER (SPECIFY)	FLOOD PLAN DEVELOPMENT PERMIT			
PRE-DESIGN MEETING?	OTHER (SPECIFY)			

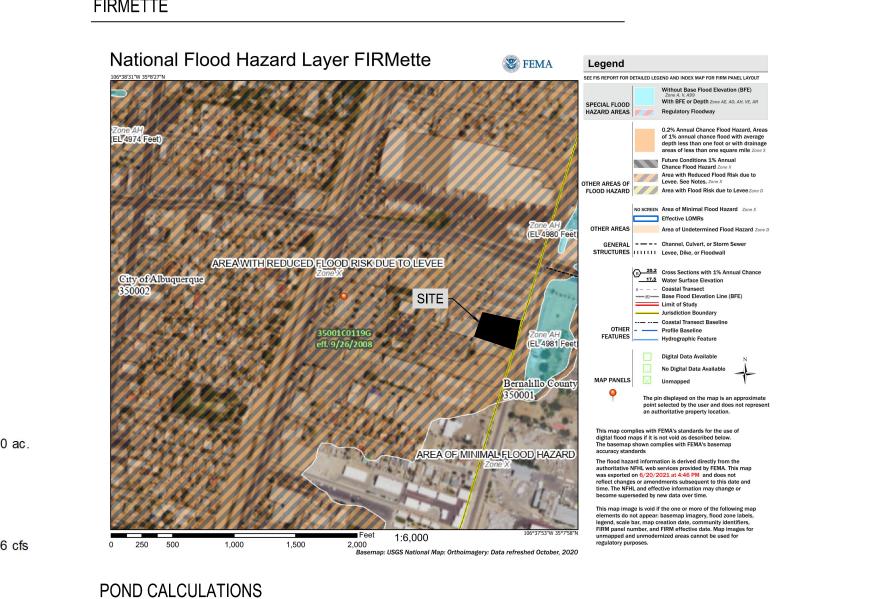
DATE SUBMITTED: May 2, 2022

PROPERTY					
THIS SITE IS A DEVELOPED APD SUB-STATION AND CENTRAL FACILITY LOCATED WITHIN THE CITY OF ALBUQUERQUE (ZONE MAP F-15). THE	HYDROLOGY BASIN 100	AREA =	0.3 ac.		
SITE IS BOUND TO THE EAST BY THE AT&SF RAILROAD, TO THE NORTH AND SOUTH BY COMMERCIAL REALESTATE AND TO THE WEST BY SECOND STREET. FLOOD ZONE	NOAA Atlas 14 Latitude Longitude	35.2649 -106.685			
PER THE FEMA MAP NUMBER 35001C0119G DATED SEPTEMBER 26, 2008 SHOWS THE SITE IS NOT LOCATED WITHIN FLOOD HAZARD ZONE X.	PRECIPITATION:	360 = 1440 = 10day =			
MASTER DRAINAGE PLAN	FXC				PEAK DISCHAF
PER THE APPROVED DRAINAGE MASTER PLAN PREPARED BY JMA, INC (NOVEMBER 1991), THE ALLOWABLE DISCHARGE FROM THE 13.3 ACRE SITE IS 5 CFS. A CITY OF ALBUQUERQUE PROJECT INSTALLED A 15-INCH STORM DRAIN TO THE ALAMEDA DRAIN TO THE WEST. A 10-INCH ORIFICE PLATE RESTRICTS THE DISCHARGE FROM THE SITE TO THE APPROVED RATE OF 5 CFS.	TREATMENT A TREATMENT B TREATMENT C TREATMENT D	0.62 in. 0.8 in. 1.03 in. 2.33 in.	innen.		1.56 cfs/ac 2.28 cfs/ac 3.14 cfs/ac 4.70 cfs/ac
THIS PLAN ALSO REFERENCES APD FORENSIC LAB MODULAR BUILDING	EXISTING CONDITION				CONDITIONS:
ADDITION GRADING AND DRAINAGE PLAN PREPARED BY ISAACSON & ARFMAN, P.A. DATED MARCH 11, 2011. PROPOSED IMPROVEMENTS	TREATMENT A TREATMENT B TREATMENT C	AREA 0 ac. 0 ac. 0.3045 ac.		AREA 0 ac. 0 ac. 0.0472 ac.	
THIS PROJECT CONVERTS AN EXISTING VEHICLE STORAGE LOT	TREATMENT D	0 ac.		0.2573 ac.	
CONSTRUCTED OF CRUSHER FINES TO AN ASPHALT PAVEMENT VEHICLE STORAGE LOT PLUS CONVERTS APPROXIMATELY 5 PARKING	EXISTING EXCESS P	RECIPITATION:			
STALLS TO COVERED PARKING. PROPOSED DRAINAGE CONDIITIONS	Weighted E = = 1.03 V100-360 =	3 in.	0.00)+(0.00)+(1.03 0.026136 ac-ft
PROJECT IMPROVEMENTS MAINTAIN DRAINAGE PATTERNS AND FLOWS	EXISTING PEAK DIS		0.00)/	12 -	0.020130 40-1
NEW PAVEMENTS DISCHARGE INTO A NEW POND WHICH HAS ADEQUATE CAPACITY TO STORE TWICE THE 100-YEAR 6-HOUR STORM	Q100 =	(1.56)x(0.00)+(2.28)x(0.00)+(3.14
EVENT. POND REQUIREMENT IS 2 TIMES THE 100-YEAR 6-HOUR STORM S 4,706 CUBIC FEET. POND VOLUME IS 4,731 CUBIC FEET AND AND	PROPOSED EXCES	S PRECIPITATIO	<u>DN:</u>		
NNUDATES THE NEW VEHICLE STORAGE PARKING LOT WITH 2-INCHES OF STORM WATER.	Weighted E =	(0.62)x(0.00)+(0.80)x(0.00)+(1.03
THE NEW PARKING AREA DISCHARGES INTO POND 1 AT ANALYSIS	= 2.13 V100-360 =	3 in. (2.13)x(0.30)/	12.0 =	0.054010 ac-ft
POINT 1 AT A FLOW OF 1.36 CFS. A CONCRETE RUNDOWN 2' WIDE AND S-INCHES DEEP CONVEY FLOWS TO THE POND 1 BOTTOM.	V100-1440 =	(0.05)+(0.26)x(3.21 -	2.30)/ 12
STORM WATER QUALITY	V100-10day =	(0.05)+(0.26)x(4.33 -	2.30)/ 12
WATER QUALITY REQUIREMENTS TREATING THE PAVED AREAS.	PROPOSED PEAK D	DISCHARGE:			
VOLUME = 11,208 SF * 0.26IN/12 = 243 CUBIC FEET	Q100 =	(1.56)x(0.00)+(2.28)x(0.00)+(3.14
A STORM WATER QUALITY POND IS PROVIDED EXCEEDING 243 CUBIC FT.	RESULTS	1.36 -	0.96 =	0.40 cfs	Increase
BENCHMARK				1,214 cf	Ponding
A STANDARD NMDOT BRASS CAP LOCATED ON THE NORTH MEDIAN NOSE AT INTERSECTION OF 2ND ST. AND MONTANO ROAD STAMPED					
'STA.NM47-8' ELEVATION= 4976.43		-			
			TE .		
			10	J.	Gr.
4" PRESSURE DISCHARGE LINE					FELI
Start Start					
IN A SINGL	E D'INIFT	1111	111	11	
4" INV=73.5	Z			HIGH	
	N			POINT	\wedge
A AND					1
73.8 - FL 74.8 .9 FL 74.3 .41	12"SE) - TC 70 FL 75	5.9 76.14	f 9.	tig
	15	-	<u> </u>	74.	1.5.65
ATT A ATT TO THE O		1	75.63	TC FL 75.6	2%
AT3.5 TC TE OF		0	7		
9 3 473.5 <u>IC 75.25</u> <u>FL 74.77</u> 75	+21h.2		1		
$\frac{10}{75.66}$ $\frac{10}{75.16}$ $\frac{10}{75.16}$ $\frac{10}{75.35}$ $\frac{10}{75.35}$ $\frac{10}{75.25}$ $\frac{10}{75.25}$ $\frac{10}{75.25}$ $\frac{10}{75.40}$ $\frac{10}{75.35}$ $\frac{10}{2"SAS}$	Aract	11	1	76	the state of the s
$\frac{10^{-75.66}}{10^{-75.10}} = \frac{10^{-75.8}}{10^{-75.35}} = \frac{10^{-75.25}}{10^{-75}} = \frac{10^{-75}}{10^{-75}} = \frac{10^{-75}}{10^{-75}}} = \frac{10^{-75}}{10^{-75}} = \frac{10^{-75}}{10^{-75}} = 10^{-$			~		* 76.4
$\frac{10}{75.66} + \frac{10}{75.8} + \frac{10}{75.35} + \frac{10}{75.25} + \frac{10}{75.25} + \frac{10}{75.25} + \frac{10}{75.10} + \frac{10}{75.10} + \frac{10}{75.35} + \frac{10}{2"SAS} + \frac{10}{75.10} + \frac{10}$.43	◆ 76.4: 111111111111111111111111111111111111

75 X .

LX TC 75 53

74.4



(2.33)x(0.26)/	0.30 ac.	5320 Secol
3	cf				7-Jun-22 pondvol.xls
2	ac-ft	=	3203 ct	f	pondior.xis
					Pond
7	ac-ft	=	4249 ct	f	Elevation

ng Requirement

