CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

September 15, 2023

Ronald Bohannan, P.E. Tierra West, LLC 5571 Midway Park Place NE Albuquerque, NM 87109

RE: IHOP - Unser Grading and Drainage Plans Engineer's Stamp Date: 09/05/23 Hydrology File: A11D018A

Dear Mr. Bohannan:

Based upon the information provided in your submittal received 09/05/2023, the Grading & Drainage Plans are 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.

PRIOR TO CERTIFICATE OF OCCUPANCY:

- Albuquerque 1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.
- NM 87103
 Please provide the executed paper Drainage Covenant (latest revision) printed on one-side only with Exhibit A and a check for \$25.00 made out to "Bernalillo County" for the stormwater quality pond per Article 6-15(C) of the DPM to Hydrology for review at Plaza de Sol.

www.cabq.gov

PO Box 1293

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 <u>rbrissette@cabq.gov</u>.

Sincerely,

Renée C. Brissette

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



City of Albuquerque

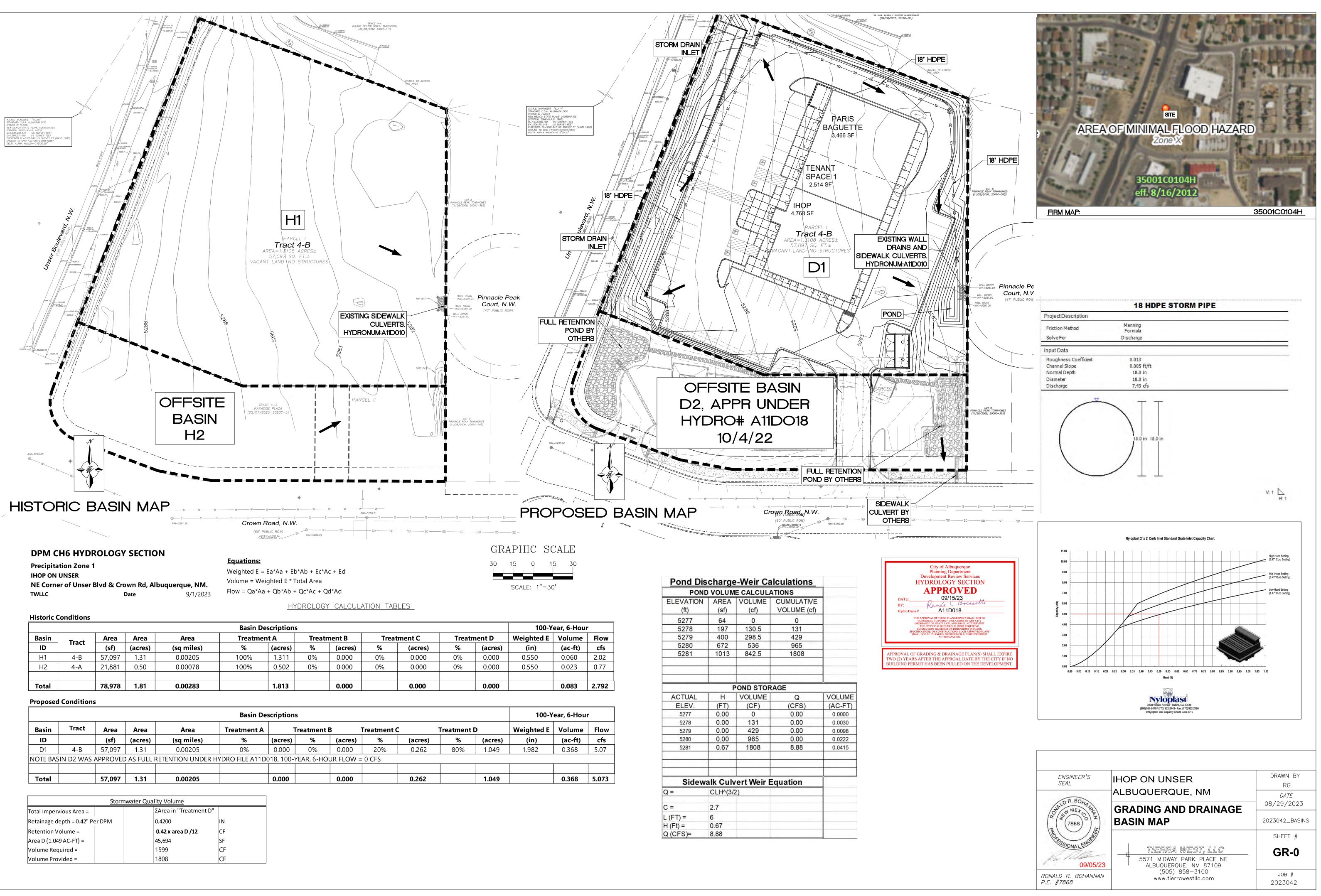
Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

Project Title: IHOP Unser	Building Permit #	Hydrology File #
DRB#	EPC#	
Legal Description: TR 4 PLAT OF TRS 1, 2, 3 & 4 F PLAZA CONT 1.8131 AC	PARADISE City Addres	s OR Parcel_101106638341510104
Applicant/Agent: <u>Tierra West LLC</u>	Contact: _L	uis Noriega
Address: 5571 Midway Park PI, NE, ABQ, N		
Email: Inoriega@tierrawestllc.com		
Applicant/Owner:	Contact: _	
Address:		
Email:		
TYPE OF DEVELOPMENT: PLAT (#of 1 RE-SUBMITTAL: YES YES NO	ots)RESIDENCEE	ORB SITE 🖌 ADMIN SITE:
DEPARTMENT: TRANSPORTATIO	ON 🖌 HYDROLOG	Y/DRAINAGE
TYPE OF SUBMITTAL:	TYPE OF APPROV	AL/ACCEPTANCE SOUGHT:
ENGINEER/ARCHITECT CERTIFICATION		G PERMIT APPROVAL
PAD CERTIFICATION	CERTIFIC	ATE OF OCCUPANCY
CONCEPTUAL G&D PLAN	CONCEPT	UAL TCL DRB APPROVAL
GRADING PLAN	PRELIMIN	JARY PLAT APPROVAL
DRAINAGE REPORT	SITE PLA	N FOR SUB'D APPROVAL
DRAINAGE MASTER PLAN		N FOR BLDG PERMIT APPROVAL
FLOOD PLAN DEVELOPMENT PERMIT A	PPFINAL PL	AT APPROVAL
ELEVATION CERTIFICATE	SIA/RELE	ASE OF FINANCIAL GUARANTEE
CLOMR/LOMR	FOUNDA'	FION PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOUT (TCL)		FERMIT APPROVAL
ADMINISTRATIVE	SO-19 API	
TRAFFIC CIRCULATION LAYOUT FOR D		PERMIT APPROVAL
APPROVAL		PAD CERTIFICATION
TRAFFIC IMPACT STUDY (TIS)		RDER APPROVAL
STREET LIGHT LAYOUT	CLOMR/L	
OTHER (SPECIFY)		LAN DEVELOPMENT PERMIT
PRE-DESIGN MEETING?	OTHER (S	PECIFY)

DATE SUBMITTED: ____09/05/23___



Basin Descriptions									100-Y	100-Year, 6-Hour					
Basin Troat	Area Are		Area	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E	Volume	Flow	
ID	Tract	(sf)	(acres)	(sq miles)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(in)	(ac-ft)	cfs
H1	4-B	57,097	1.31	0.00205	100%	1.311	0%	0.000	0%	0.000	0%	0.000	0.550	0.060	2.02
H2	4-A	21,881	0.50	0.00078	100%	0.502	0%	0.000	0%	0.000	0%	0.000	0.550	0.023	0.77
Total		78,978	1.81	0.00283		1.813		0.000		0.000		0.000		0.083	2.792

	Basin Descriptions								100-Year, 6-Hour						
Basin	Tract	Area	Area	Area	Treatment A	٦	reatment B		Treatment C		Treatment D)	Weighted E	Volume	Flow
ID		(sf)	(acres)	(sq miles)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(in)	(ac-ft)	cfs
D1	4-B	57,097	1.31	0.00205	0%	0.000	0%	0.000	20%	0.262	80%	1.049	1.982	0.368	5.07
NOTE BAS	SIN D2 WAS A	APPROVED	AS FULL F	RETENTION UNDER H	DRO FILE A11DC)18, 100-`	YEAR, 6-HOU	R FLOW =	= 0 CFS						·
Total		57,097	1.31	0.00205		0.000		0.000		0.262		1.049		0.368	5.073

Stormwater Quality Volume									
Total Impervious Area =			ΣArea in "Treatment D"						
Retainage depth = 0.42" Pe	er DPM		0.4200	IN					
Retention Volume =			0.42 x area D /12	CF					
Area D (1.049 AC-FT) =			45,694	SF					
Volume Required =			1599	CF					
Volume Provided =			1808	CF					

		E CALCUL	Iculations	1
		and the second of the second		
ELEVATION	AREA	VOLUME	CUMULATIVE	
(ft)	(sf)	(cf)	VOLUME (cf)	
5277	64	0	0	
5278	197	130.5	131	
5279	400	298.5	429	
5280	672	536	965	
5281	1013	842.5	1808	
	F	POND STOP	AGE	
ACTUAL	н	VOLUME	Q	VOLUME
ELEV.	(FT)	(CF)	(CFS)	(AC-FT)
5277	0.00	0	0.00	0.0000
5278	0.00	131	0.00	0.0030
5279	0.00	429	0.00	0.0098
5280	0.00	965	0.00	0.0222
5281	0.67	1808	8.88	0.0415
Sidew	alk Culv	ert Weir B	Equation	
Q =	CLH^(3/2	2)	No. I can be seen	
C =	2.7			
L (FT) =	6			
H (Ft) =	0.67			
Q (CFS)=	8.88			

