#### CITY OF ALBUQUERQUE



Timothy M. Keller, Mayor

April 11, 2018

David Aube, P.E. Hartman & Majewski Design Group 120 Vassar Dr SE, Suite 100 Albuquerque, NM, 87106

RE: Sawmill Market Drainage Master Plan Engineer's Stamp Date: No Stamp Hydrology File: J13D017A

PO Box 1293	Dear M	r. Aube:
Albuquerque	Master	pon the information provided in your submittal received 04/02/2018, the Drainage Plan <b>is not</b> approved for Building Permit and SO-19 Permit. The following nts need to be addressed for approval of the above referenced project:
	1.	Please provide an engineer's stamp with a signature and date on sheets.
NM 87103	2.	Per the DPM Chapter 22 Section 7, 24"x36" is currently the City's standard. This applies to all site plans, Grading & Drainage Plans, Traffic Circulation Plans, DRC Plans etc.
www.cabq.gov		
	3.	Please insure that the sheet titles are Existing Drainage Master Plan and Proposed Drainage Master Plan.
	4.	The DPM Chapter 27 Section 2 outlines the minimum text heights. Please insure that the existing grades and proposed grades are L100.
	5.	Sheet CD1 or Grading Plan. Please add the SO-19 Permit notes. See Attached notes.
	6.	Sheet CD2. Please correct Section VI. The allowable discharge for the impervious is 0.1 cfs/ac and not 0.01 cfs/ac.

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- 7. Sheet CD1 & CD2. Please correct the drainage calculations to reflect the allowable discharge for the impervious is 0.1 cfs/ac. The allowable discharge is 0.1\*0.596 = 0.06 cfs.
- Sheet CD2. Please show the pond volume calculations with both the water 8. surface elevation (100 yr - 6 hr) and the discharge rate.
- 9. Sheet CD2. Please show how each pond is to restrict the discharge for a total of 0.06 cfs.
- 10. Sheet CD2. Please show the first flush volume in each pond.
- 11. Sheet CD2. Please reference City of Albuquerque standard detail No. 2236 -Sidewalk Culvert with Steel Plate Top at the sidewalk culvert.
- 12. Grading Plan. Please show the flowline elevations of the sidewalk culverts.

PO Box 1293

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

Albuquerque

Sincerely,

Renée C. Brissette

NM 87103

Renée C. Brissette, P.E. CFM

Senior Engineer, Hydrology

Planning Department

www.cabq.gov

#### CITY OF ALBUQUERQUE



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

- 1. An excavation permit will be required before beginning any work within City Right-Of-Way.
- 2. 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.
- 3. Two working days prior to any excavation, the contractor must contact New Mexico One Call, dial "811" [or (505) 260-1990] for the location of existing utilities.
- 4. 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.
- 5. Backfill compaction shall be according to traffic/street use.
- 6. Maintenance of the facility shall be the responsibility of the owner of the property being served.
  - Work on arterial streets may be required on a 24-hour basis.
- Albuquerque

PO Box 1293

Contractor must contact Jason Rodriguez at 235-8016 and Construction Coordination at 924-3416 to schedule an inspection.

NM 87103

www.cabq.gov

7.

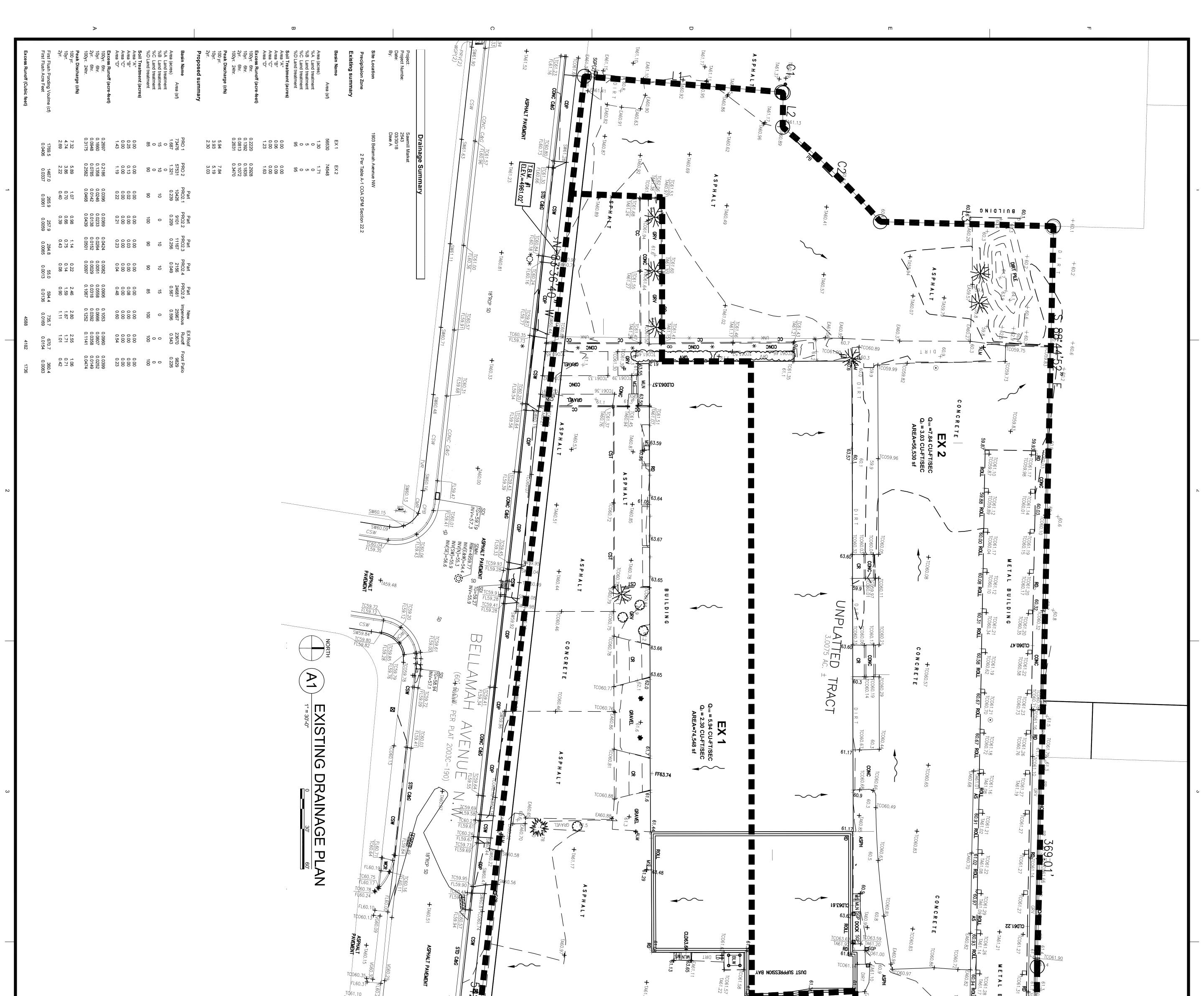


#### City of Albuquerque

Planning Department Development & Building Services Division DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2016)

Project Title:	Building Permi	t #: Hydrology File #:
DRB#:	EPC#:	Work Order#:
Legal Description:		
City Address:		
Applicant:		Contact:
Address:		
		E-mail:
Other Contact:		Contact:
Address:		
		E-mail:
Check all that Apply:		
DEPARTMENT:		TYPE OF APPROVAL/ACCEPTANCE SOUGHT:
HYDROLOGY/ DRAINAGE		BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY
TRAFFIC/ TRANSPORTATION		
TYPE OF SUBMITTAL:		PRELIMINARY PLAT APPROVAL
ENGINEER/ARCHITECT CERTIFICATI	ION	SITE PLAN FOR SUB'D APPROVAL
		SITE PLAN FOR BLDG. PERMIT APPROVAL
CONCEPTUAL G & D PLAN		FINAL PLAT APPROVAL
GRADING PLAN		
DRAINAGE MASTER PLAN		SIA/ RELEASE OF FINANCIAL GUARANTEE
DRAINAGE REPORT		FOUNDATION PERMIT APPROVAL
CLOMR/LOMR		GRADING PERMIT APPROVAL
		SO-19 APPROVAL
TRAFFIC CIRCULATION LAYOUT (TO	CL)	PAVING PERMIT APPROVAL
TRAFFIC IMPACT STUDY (TIS)		GRADING/ PAD CERTIFICATION
		WORK ORDER APPROVAL
OTHER (SPECIFY)		CLOMR/LOMR
PRE-DESIGN MEETING?		
IS THIS A RESUBMITTAL?: Yes	No	OTHER (SPECIFY)
DATE SUBMITTED:	Ву:	
COA STAFF:	ELECTRONIC SU	BMITTAL RECEIVED:

FEE PAID:





PURPOSE AND SCOPE ite  $\supset$ 

## SITE DE SC **RIPTION AND HISTORY**

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## ATION. CEDU **JRES**

formed utilizing DPM Section 22

### PRE CIPITATION

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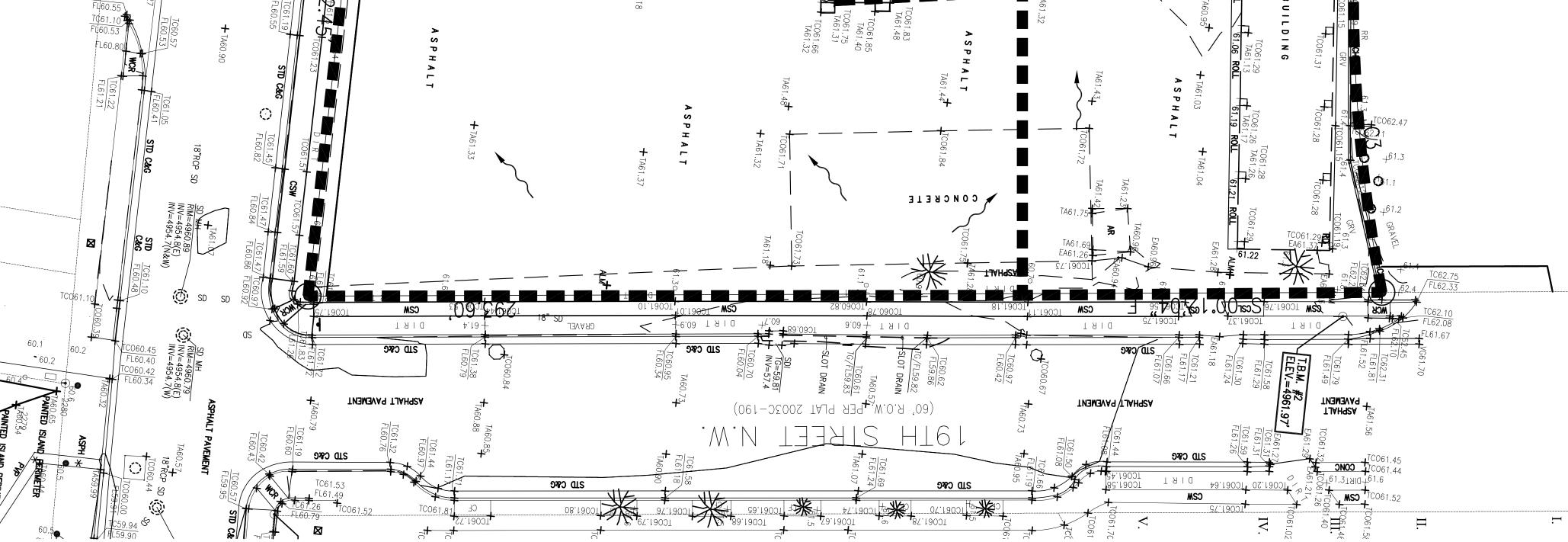
# EXISTING DRAINAGE CONDITIONS OVERVIEW

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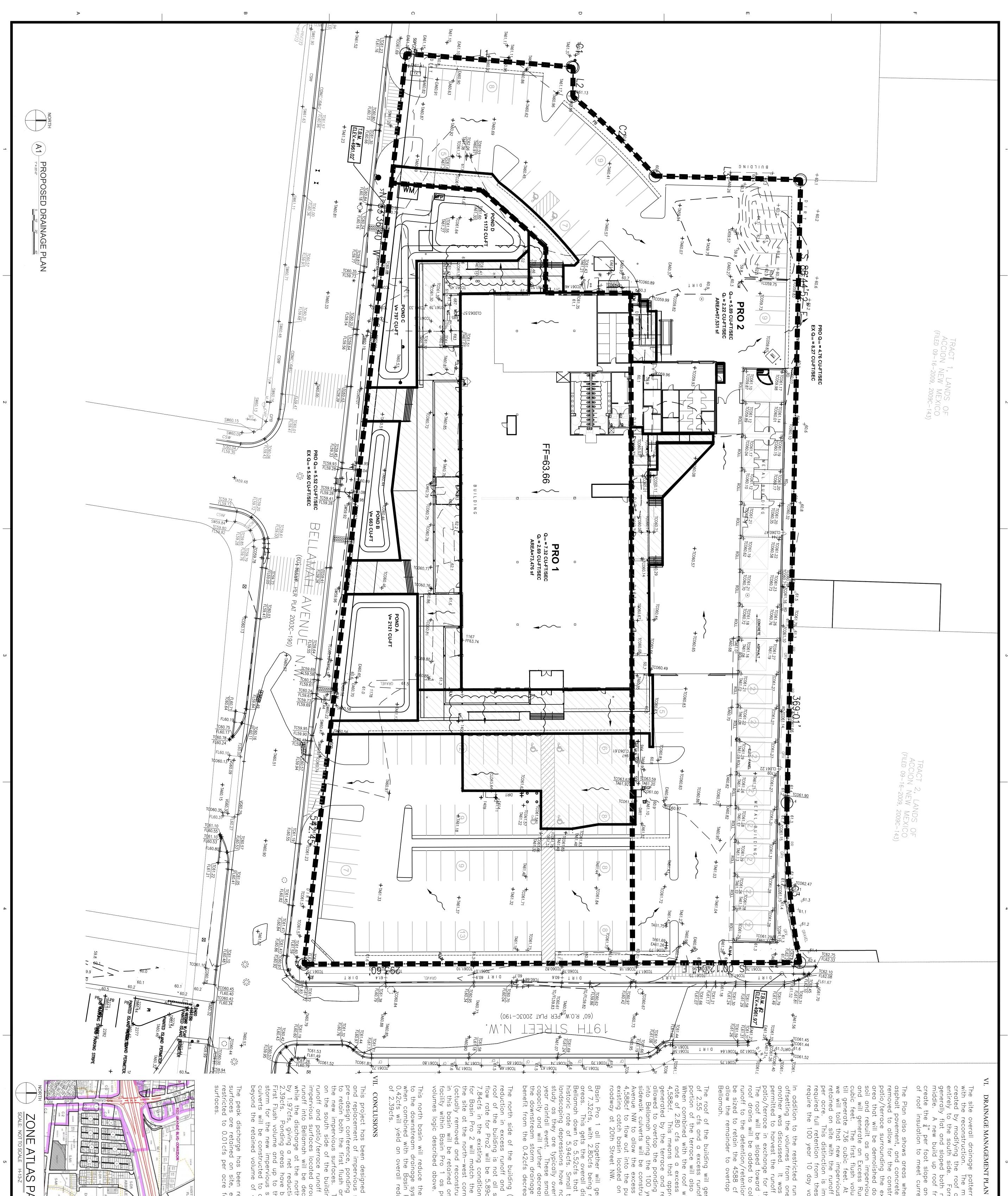


B5

FEMA scale: NOT TO

FLOOD MAP

SAMMA IN THE STAND	PRAGER STATION ADD			in parts of as EX1 inoff rate of scharge is g the port we have allysis Point e driveways. rmer of the OW at that 548sf and 548sf and 548sf and by this by this have defined as to not	d as the within Zone ables within -hr discharge. lamah Avenue lamah Avenue	<b>ASE 1</b> resent the nt plans for d at the NE street NW. 13-Z. The ne former ne former ne former is sourcement is the design 2.2 released
Job Number 1419 Sheet No.	sheet Title EXISTING DRAINAGE PLAN	Drawn by DAA Checked by DAA Scale 1"=30'	Pere Pere SAWMILL MARKET   SITE, SHELL, COMM 1909 BELLAMAH AVENUE NU   1909 BELLAMAH AVENUE NU ALBUQUERQUE, NEW MEXIC	ION AREAS	HOTELS & RESORTS, INC	ERIC HASKINS, ARCHITECT HERITAGE HOTELS & RESORTS 201 THIRD STREET NW SUITE 1140 ALBUQUERQUE, NM 87102 505-212-9148



ZONE ATLAS

ORTH ORTH	Image: state of the state	urfaces are retained on site, excess runott is estricted to 0.01cfs per acre for the new impervious urfaces.	roject has been desi eplacement of imperv esign conference, por ain both the first flu: w impervious surface south side of the t and patio/terrace ru- ious surfaces located into Bellamah will be the discharge at the 7cfs, giving a net re s. Ponding areas ho flush volume and up for the new impervices for the new imperviced the retained volume	The north side of the building (Pro 2) will have a eduction in excess runoff and peak flow rate as the oof of the building is not all sloping south. The peak low rate for Pro2 will be 5.89cfs (as opposed to 7.84cfs in the existing conditions). The discharge point or Basin Pro 2 will match the historic condition existing he site at the north-west corner. The new impervious actually removed and reconstructed impervious surfaces) in this basin will be retained on the south side of the acility within Basin Pro 1 as part of the offsetting the olumes logic described above. This north basin will reduce the excess runoff by 1.97cfs o the downstream drainage systems. This reduction of 1.42cfs will yield an overall reduction in excess runoff f 2.39cfs.	basin Pro 1 all together will generate a peak runoff rate of 7.32cfs, with 2.80cfs being retained in the ponding rreas. This gets the overall discharge rate into bellamah down to 5.52cfs that is .42cfs less than the istoric rate of 5.94cfs. Small tree wells and shallow andscaping depressions have not been included in this tudy as they are typically overtopped during a 100 rear rainfall event. These small areas may have the apacity and will further decrease the excess runoff, but he downstream storm drainage systems would already enefit from the 0.42cfs decrease in excess runoff.	he roof of the building will generate a peak runoff rate ortion of the terrace will also drain into the ponds. When combined with the roof will achieve a peak runoff ate of 2.80 cfs and a excess runoff volume of .,588cf. This means that approximately 0.25 cfs will be ellowed to overtop the ponding volume and discharge to Bellamah during the 100 year 6 hour event. Three idewalk culverts will be constructed along Bellamah wenue NW to allow the excess runoff beyond the .,588cf to flow out into the public street and to the wate of the terrace on the north side of the 	equire the row year to day volume.	he site overall drainage patterns will change slightly vith the reconstruction. The main difference being reated by modifying the roof of the buildings to slope intirely to the south side. Formerly the roof was lenerally flat and sloped both north and south from the riddle. A new build up roof framing will be added to reate the $\frac{1}{4}$ " per foot slope and allow for the addition f roof insulation to meet current Energy Codes. The Plan also shows areas where the existing building, isphalt pavement, and concrete pavement will be emoved to allow for the construction of the atio/terrace surrounding the existing building. The total rea that will be demolished down to the surface of the oil and rebuilt as an impervious surface is 25,967 sf and will generate an Excess Runoff Volume of 4,588 ubic feet. The first flush volume from this same area will told that new impervious surfaces will need to be etained on site with the runoff restricted to 0.01 cfs equired full retention from these areas, that would have been and the total the the runoff wolume of the total return the total that would the surface to be areas that would be to a supervise the surface to be a supervised to be a supervise to the surface to be returned full retention from these areas, that would	DRAINAGE MANAGEMENT PLAN (CONTINUED)
Job Number 1419 Sheet No.	sheet Title PROPOSED DRAINAGE PLAN	Drawn by DAA Checked by DAA Scale 1"=20'	Date 4-2-2018 Revised	SAWMILL MARKE SITE, SHELL, COM 1909 BELLAMAH AVEN ALBUQUERQUE, NEW	MON AREA		HOTELS & RESOR	ALBUQUERQUE, NM 871	R T S N W 1 4 0 1 0 2