CITY OF ALBUQUERQUE



Richard J. Berry, Mayor

March 27, 2017

Mike Balaskovits Bohannan Huston, Inc. 7500 Jefferson St NE Albuquerque, NM 87109

RE: Legacy 2 at Journal Center

Conceptual Grading and Drainage Plan

Stamp Date: 2/27/17 Hydrology File: D17D107

Dear Mr. Balaskovits:

Based upon the information provided in your submittal received 2/28/2017, the Conceptual Grading and Drainage Plan is approved for Site Plan for Subdivision Permit.

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

Albuquerque

PO Box 1293

Sincerely,

New Mexico 87103

Renee C. Brissett

www.cabq.gov

Reneé C. Brissette, P.E. Senior Engineer, Hydrology Planning Department



Engineering Spatial Data Advanced Technologies

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335

www.bhinc.com

voice: 505.823.1000 facsimile: 505.798.7988 toll free: 800.877.5332

CLIENT/COURIER TRANSMITTAL

То:	Shahab Biazar City of Albuquer	que	Requested by: Mike Balaskovits				
	600 2 nd St. NW		Date:	February 28, 2017			
	Albuquerque, NI	W 87102	Time Due:	☐ This A.M.☐ This P.M.☐ Rush☐ By Tomorrow			
Phone: Job No.:	924-3999 20170362		Job Name:	Legacy 2 @ Journal Center			
⊠ Coi		al Express	PICE	<u>CUP</u>			
☐ Mail							
1 2 3	. QUANTITY 1 1 1	DESCRIPTION Drainage Info Sheet Conceptual Grading of Excerpts from the "Pa Norte Interchange Re	art 2 Drainage Re	eport for the I-25 / Paseo del sign Build Project"			
COMMENT	S / INSTRUCTION	<u>ONS</u>					
Shahab,							
				gacy 2 @ Journal Center. We are Approval. Let me know if you have any			
Thanks, Mike							
REC'D BY:		DA	ATE:	TIME:			



COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: ____

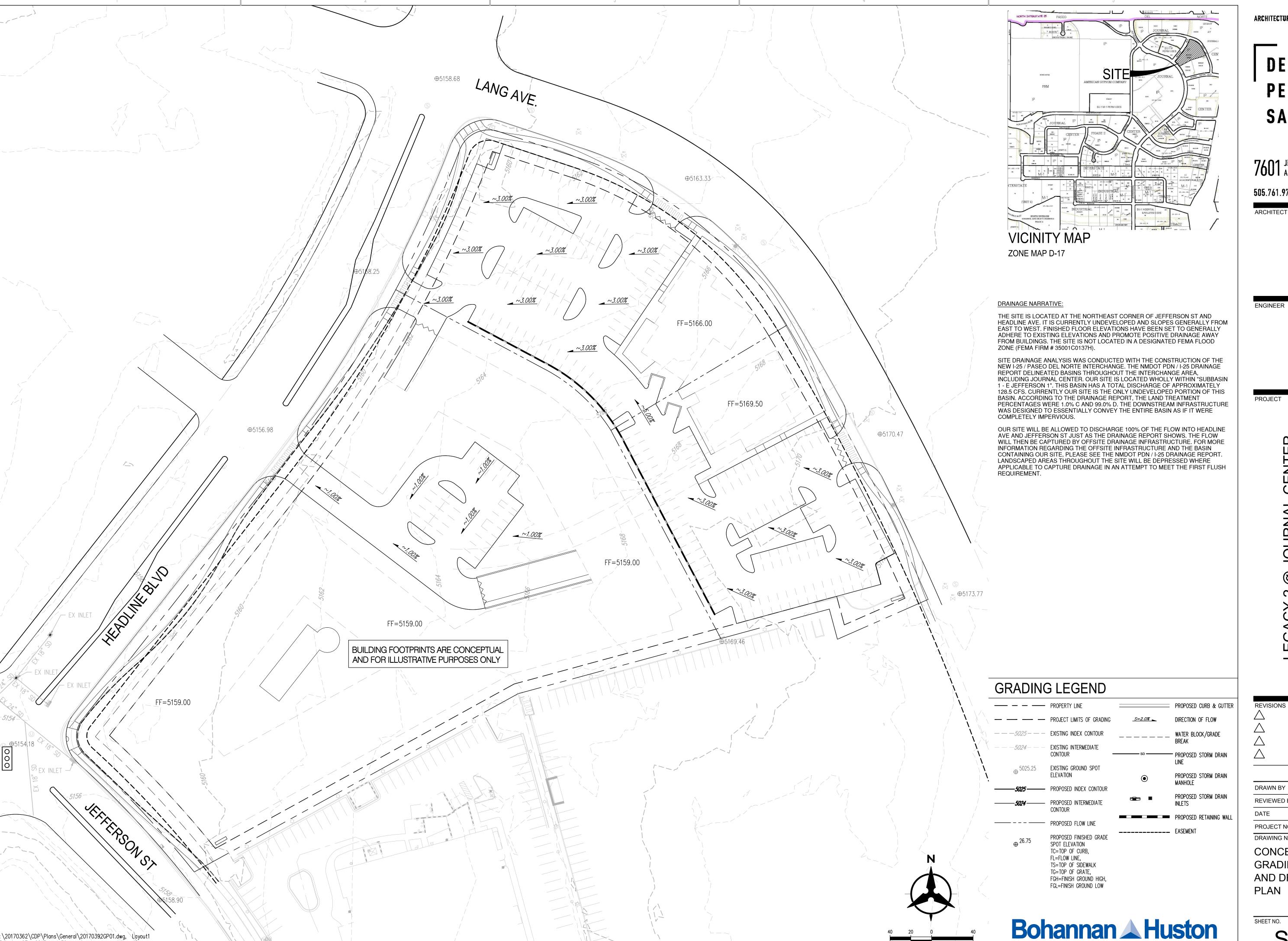
City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: LEGACY 2 @ JOURNAL CENTER	Building Permit #: City Drainage #:
DRB#: 1005283 EPC#: 16E	EPC-40043 & 16EPC-40044 Work Order#:
Legal Description: Lot(s) 2A-2A-2B-1-A Plat of Tract 2A-2A-2B-1	I-A, Journal Center
City Address: 7800 HEADLINE BLVD NE ALBUQUERQUE, NM 8	87109
Engineering Firm: BOHANNAN HUSTON, INC.	Contact: MIKE BALASKOVITS
Address: 7500 JEFFERSON ST NE ALBUQUERQUE, NM 87109	
Phone#: 505-823-1000 Fax#: 505-	.798-7988 E-mail: MBALASKOVITS@BHINC.COM
Owner: TITAN DEVELOPMENT CENTER LAND, LLC	Contact: BRIAN PATTERSON
Address: 6300 RIVERSIDE PLAZA LANE NW #200	
Phone#: 505-998-0163 Fax#:	E-mail: BPATTERSON@TITAN-DEVELOPMENT.COM
Architect:	Contact:
Address:	
Phone#: Fax#:	E-mail:
Other Contact:	Contact:
Address:	
Phone#: Fax#:	E-mail:
TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CONTROL TYPE OF SUBMITTAL: ENGINEER/ ARCHITECT CERTIFICATION	CERTIFICATE OF OCCUPANCY PRELIMINARY PLAT APPROVAL SITE PLAN FOR SUB'D APPROVAL SITE PLAN FOR BLDG. PERMIT APPROVAL
X CONCEPTUAL G & D PLAN	FINAL PLAT APPROVAL
GRADING PLAN	SIA/ RELEASE OF FINANCIAL GUARANTEE
DRAINAGE MASTER PLAN DRAINAGE REPORT	FOUNDATION PERMIT APPROVAL
CLOMR/LOMR	GRADING PERMIT APPROVAL SO-19 APPROVAL
TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTROL PLAN (ESC)	PAVING PERMIT APPROVAL GRADING/ PAD CERTIFICATION WORK ORDER APPROVAL CLOMR/LOMR
OTHER (SPECIFY)	PRE-DESIGN MEETING OTHER (SPECIFY)
IS THIS A RESUBMITTAL?: Yes X No	
DATE SUBMITTED: 02/27/2017	By: Mike Balaskovits



P:\20170362\CDP\Plans\General\20170392GP01.dwg, Layout1 February 27, 2017 — 4:32pm Plotted by: ENEWMAN

ARCHITECTURE / DESIGN / INSPIRATION

DEKKER PERICH SABATINI

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109

505.761.9700 / DPSDESIGN.ORG

ARCHITECT

PROJECT

REVISIONS	
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DRAWN BY	
REVIEWED BY	

02/27/2017 PROJECT NO. 16-0068 DRAWING NAME

CONCEPTUAL GRADING AND DRAINAGE PLAN

SHEET NO.

SPSB-2



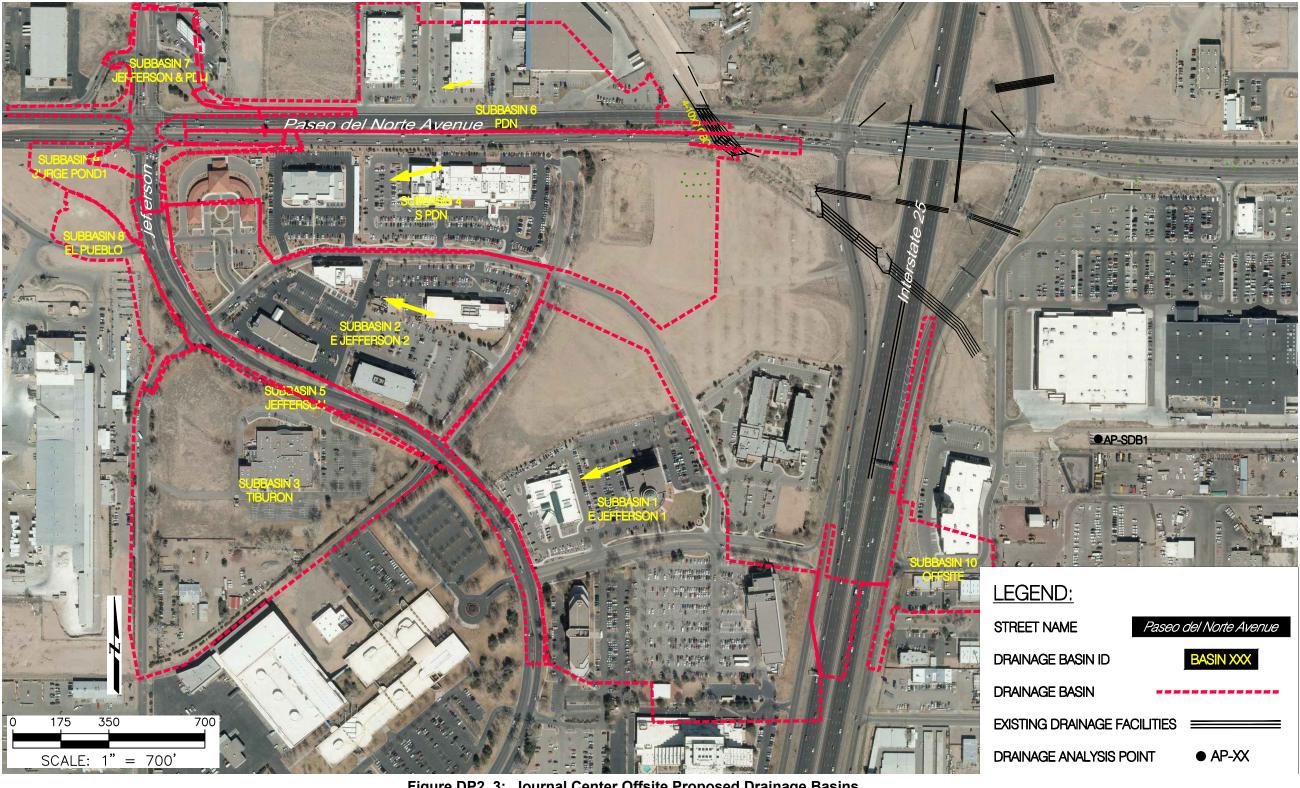


Figure DP2_3: Journal Center Offsite Proposed Drainage Basins





Land Treatments - for HEC-HMS Basin Models - Journal Center-Existing Calibrated

		Existing Conditions		Existing Conditions Proposed Conditions Land Treatment Description		Land Treatment							
Basin ID	Basin Name	Area (acres)	Area (sq.mi)	Area (acres)	Area (sq.mi)		%A	%B	%C	%D	IA	INF	R (hours)
									•	% Imperv.	Initial Loss (in)	Constant Rate (in/hr)	Storage Coeff.
Subbasin-1	E Jefferson 1	25.05	0.03915			100% - commercial/industrial	0	0	41	99 °	. 0.35	0.83	0.079103754
Subbasin-2	E Jefferson 2	14.80	0.02312			100% - commercial/industrial	0	0	1	99	0,35	0.83	0.120666743
Subbasin-3	Tiburon	14.30	0.02234			100% - commercial/industrial	0	0	1	99	0,35	0.83	0.134074159
Subbasin-4	S PDN	11.65	0.01820	21.23	0.03317	100% - commercial/industrial	0	0	1	99	0.35	0.83	0,113963035
Subbasin-5	Jefferson Street	5.48	0.00857	6.38	0.00997	100% - major roads	0	0	. 1	99	0.35	0.83	0.107259327
Subbasin-6	PDN	12.10	0.01891	10.54	0.01647	100% - major roads	0	0	1	99	0.35	0.83	0.160888991
Subbasin-7	PDN & Jefferson	3.16	0.00494	4.51	0.00704	100% - major roads	0	0	1	99	0.35	0.83	0.160888991
Subbasin-8	El Pueblo			2.26	0.00354	100% - major roads	0	0	1	99	0.35	0.83	0.160888991
Subbasin-9	Surge Pond			1.61	0.00251	100% - major roads	0	0	1	99	0.35	0.83	0,160888991
Subbasin-10				4.76	0.00744	100% - major roads	0	0	1	99	0,35	0.83	0.160888991

Notes:

1. Land Treatments are based on the SSCAFCA DPM chapter 22 Table F-3. - http://sscafca.org/development/documents/DPM/DPM_4_2010/DPM_4-2010.pdf. Land treatments were edited to match HEC-HMS results with Journal Center Drainage management Plan results.

2. Basins and areas for subbasins 1 through 5 are from "Revised Drainage Management Plan for Journal Center", Dec. 1992. Location: Pri/2013DB05\\(02 \) - Preliminary DesignArchive/Received\(\) Journal Center\(\)DMPBasin\(\)Map. A + Headline roadway (100' x 720')

4. Subbasin-1 area = Jotton of JC Basin O - south of Lang Ave, Lang Ave and small portion north of Land, adjacent to Jefferson (area estimated in JCDrainageBasins.dwg). Lang Ave, area in basin = 60 ' x 1240' = 1.7 acres.

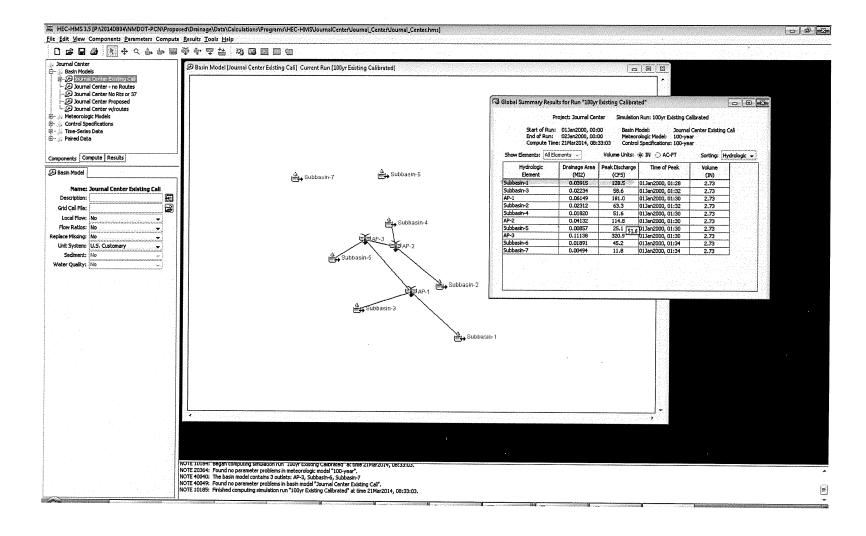
5. Subbasin-3 area = JC Basin D-1

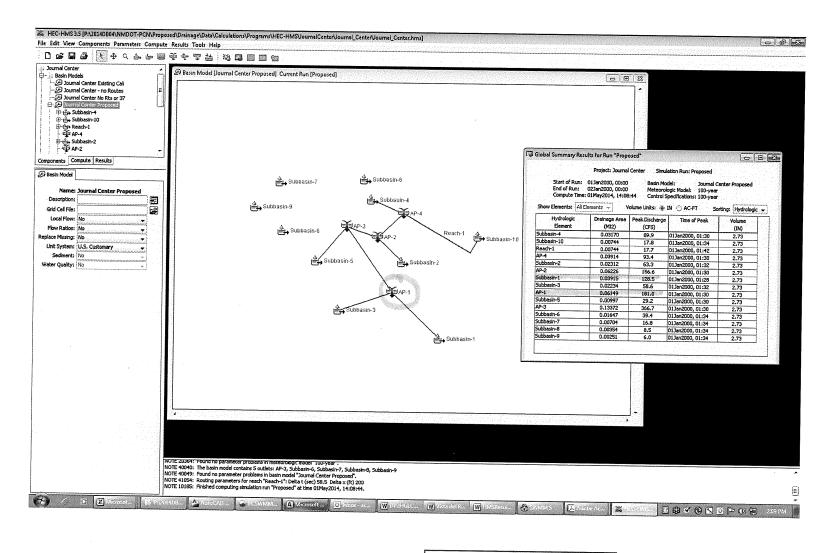
6. Subbasin-4 area = Area defined in P:\text{2014DB04Varchive\Received\CDP-Journal Center\North Journal Center SD-from CDP.pdf - Area = sum of basins A-H = 11.65 ac; Sum of 100yr Peak Q (cfs) = 53.3 cfs
7. Subbasin-5 area - Jefferson Street from PDN at north to high point just south of Journal Center Blvd. = 100 ft x 2380 ft = 5.48 acres. Land use to match Anna's PSQF - just roadway - 1% C and 99% D

8. Tc - from JC hydrology - Tc = 10 min. Tc were edited to match HEC-HMS results with Journal Center Drainage management Plan results.

9. R= clark unit hydrograph stroage coefficient
10. See Anna Caffrey's e-mail dated 1/2/2/13 - she added Subbasins 6 & 7 and also completed technical review of HEC-HMS model and supporting data. Sarah checked subbasins 6 & 7.
11. Subbasin 8 - flow reaching south surge pond (including El Pueblo)
12. Subbasin 9- flow reaching north surge pond (including EB off ramp)
13. Offsite flow from east of I-25 (the "37 cfs"), updated based on the DP5 drainage basins

Proposed conditions, subbasin 4 includes a portion of the Titan development





AP-1 doesn't relate to the DMP.
AP-2= DMP AP-6
AP3= DMP AP-7
See flow splits between SD and street on proposed basin figure.

