

CITY OF ALBUQUERQUE



January 20, 2017

Richard J. Berry, Mayor

Ron Hensley, P.E.
GND Engineering
11032 Dreamy Way Dr. NW
Albuquerque, NM, 87114

**RE: Coors Pavilion Subdivision
9154 Coors Blvd
Grading Plan
Engineer's Stamp Date 01-04-2017 (File: G11D069)**

Dear Mr. Hensley:

Based upon the information provided in your submittal received 01/13/2017, the Grading Plan is not approved for Grading Permit. The following comments need to be addressed for approval of the above referenced project:

1. The AHYMO model routes discharge from Lot 7 into Lot 6, and along the alley to the north, then into the pond. However the drainage narrative and the drawing show Lot 7 as draining into Lot 8, then to the pond. The AHYMO model needs to reflect the drawing and narrative or visa-versa.
2. If discharge from Lot 7 is to be drained into Lot 8, a curb cut and dip section will need to be provided to take water out of the alley and into Lot 8.
3. Waterblocks will be required where the alley joins Coors and St. Josephs to prevent excess flows from entering and contributing to the drainage area. These may be present already but are difficult to see; provide spot elevations and callouts to clarify.
4. Clarify contributions from adjoining lot X-1-A1. The AHYMO model appears to refer to this as "Church" with a contribution of 10.68 cfs and 0% impervious area. The drawing shows a contribution of 29.26 cfs. Is the existing pond being merged with the new one?
5. Proposed contours need to be added to the legend and to the lots. On this sheet no regrading appears to be taking place across the new lots.
6. The proposed water surface elevation of 5011.50 will back up into the alley and across a large portion of Lot 1. Is this desired?

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Albuquerque

New Mexico 87103

www.cabq.gov

7. First flush volume needs to be calculated and shown on this sheet, as well as how it will be retained in the pond beneath the invert of the outlet structure.
8. Additional detail is required on the outlet structure and its downstream effects. This includes inverts, velocities, grades, and HGL's.
9. Provide the input and output files for the AHYMO model.

Work within the City Right-of-Way will require a city work order. The two similar submittals for Lots 3 & 4, and Lot 4, submitted on 1/3/2017 are on hold until this master grading plan is approved. Please let me know if you need to revise those based on changes to the master plan. If you have any questions, contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

A handwritten signature in dark ink, appearing to read 'D. Peterson', with a stylized, sweeping flourish extending to the right.

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services



CONSULTING ENGINEERS

10224 Green River Place NW Albuquerque, New Mexico 87114
Phone: 505-264-0472
Email: segreer@swcp.com

January 12, 2016

Hydrology Development
City of Albuquerque
PO Box 1293
Albuquerque, NM 87103

Re: Coors Pavilion Subdivision –Grading Plan for Grading Permit

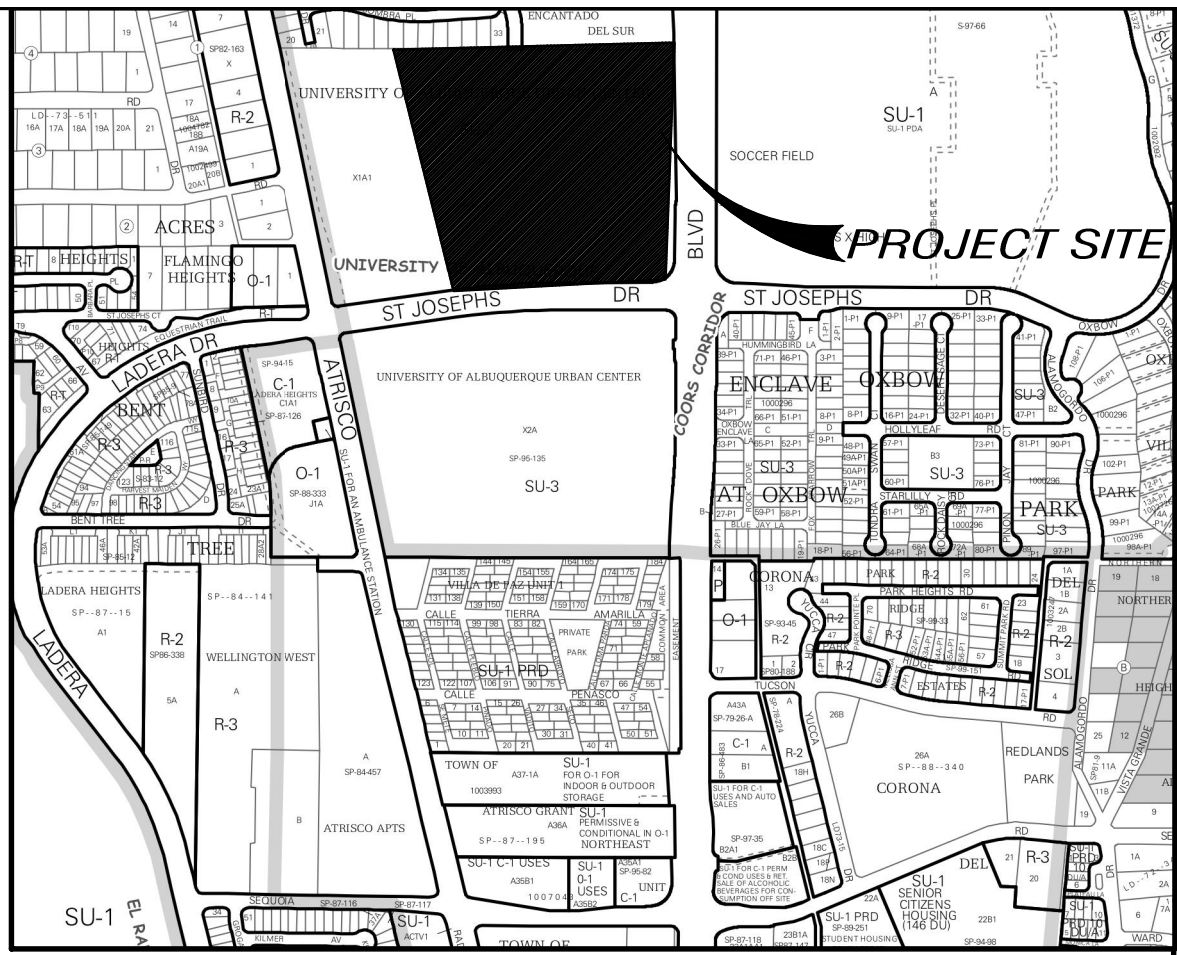
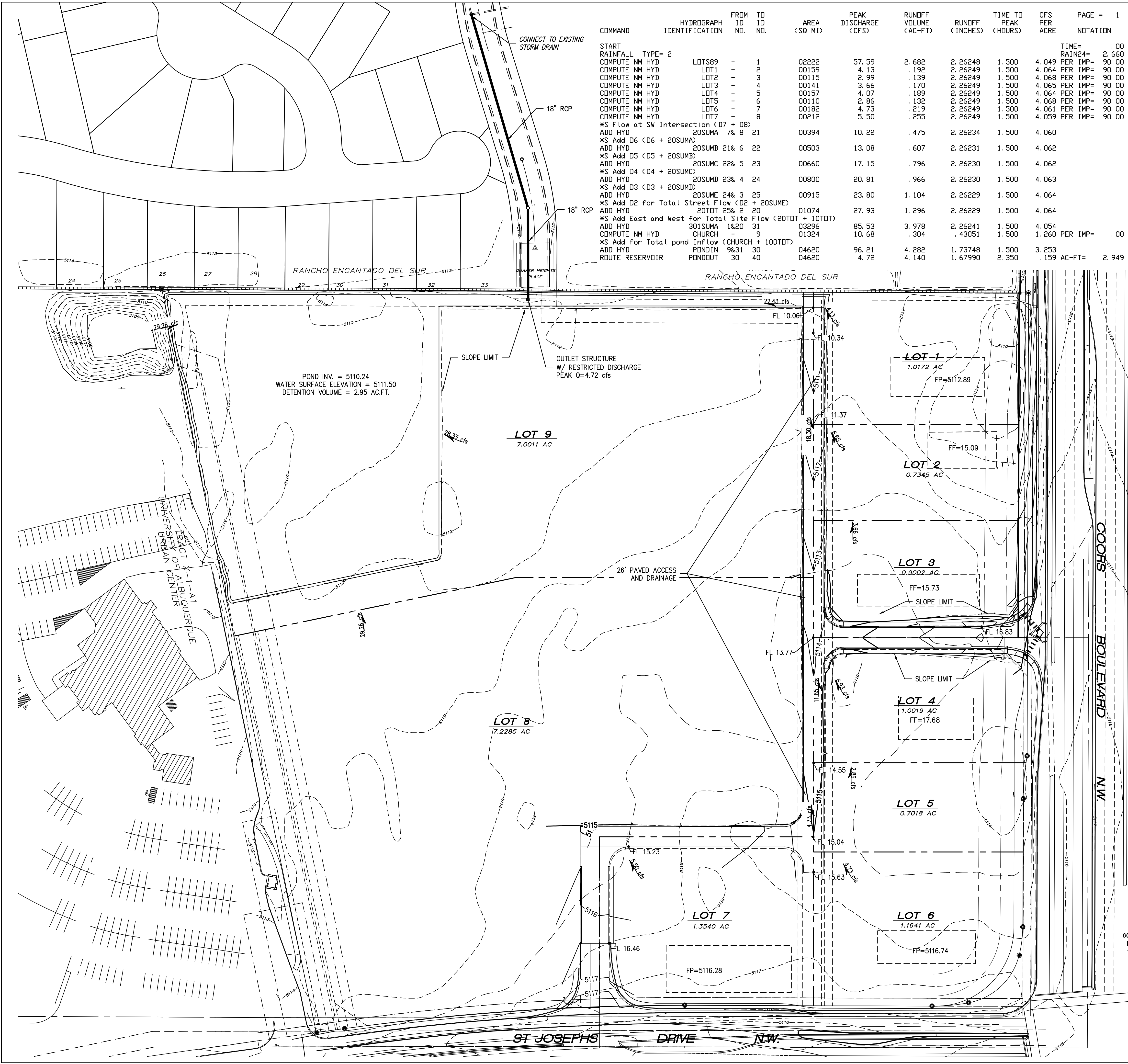
We are requesting a review of the attached plan in support of the Grading Permit of TRACT X-1-A2 UNIVERSITY OF ALBUQUERQUE URBAN CENTER AND the Coors Pavilion Subdivision. The subdivision is located at the corner of Coors Blvd. and St. Josephs Dr. NW. The plan covers the rough grading and drainage features of the subdivision. We are requesting a review for compliance with City requirements.

Please contact me at 410-1622 or via email if you have any questions or comments.

Sincerely,

A handwritten signature in black ink that reads "Ron E. Hensley". The signature is written in a cursive, flowing style.

Ron E. Hensley P.E.
ron@thegroup.cc



DRAINAGE INFORMATION
LOCATION & DESCRIPTION

AS SEEN ON THE VICINITY MAP, THE PROPOSED SITE IS 21.22 ACRES LOCATED ON THE SOUTH SIDE OF ST JOSEPH'S DRIVE AND WEST OF COORS BLVD.. THE SITE IS UNDEVELOPED. THE ADJACENT PROPERTY TO THE WEST IS A CHURCH AND TO THE NORTHE IS A RESIDENTIAL SUBDIVISION. THE PROPOSED DEVELOPMENT WILL BE EIGHT (8) OFFICE AND COMMERCIAL LOTS WITH PRIVATE DRAINAGE FEATURES AND PUBLIC STORM DRAIN TO CONVEY FLOWS TO THE LADERA POND.

FLOODPLAIN STATUS

THIS PROJECT WITHIN FEMA'S FLOOD INSURANCE RATE MAP 35001C0142H, DATED APRIL 2, 2002 IS NOT WITHIN A DESIGNATED 100-YEAR FLOODPLAIN.

METHODOLOGY

THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING AHYMO SOFTWARE.

PRECIPITATION

THE 100-YR 24-HR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THIS SITE IS WITHIN ZONE 1 AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2.

EXISTING DRAINAGE

THE EXISTING FLOW CONDITIONS FROM THE SITE DISCHARGE ARE DETAINED ONSITE WITH OVERFLOW TO THE NORTH OF THE SITE.

DEVELOPED CONDITION

THIS SITE WILL BE DEVELOPED WITH AN ACCESS AND DRAINAGE EASEMENT TO INTERCEPT FLOW FROM LOT 1 THROUGH LOT 6. THE ASPHALT DRIVE SURFACE WILL CONVEY FLOW TO THE ONSITE DETENTION POND. LOT 7 THROUGH LOT 9 WILL DISCHARGE TO THE POND VIA SURFACE SHEET FLOW. THE RESTRICTED DISCHARGE FROM THE POND WILL HAVE MINIMAL IMPACT ON DOWNSTREAM FACILITIES.

EACH LOT WILL MAKE ACCOMMODATION FOR THE "FIRST FLUSH" WHICH WILL BE PRIMARILY RETAINED WITHIN THE VOLUME OF THE SUBDIVISION POND.

CONCLUSION

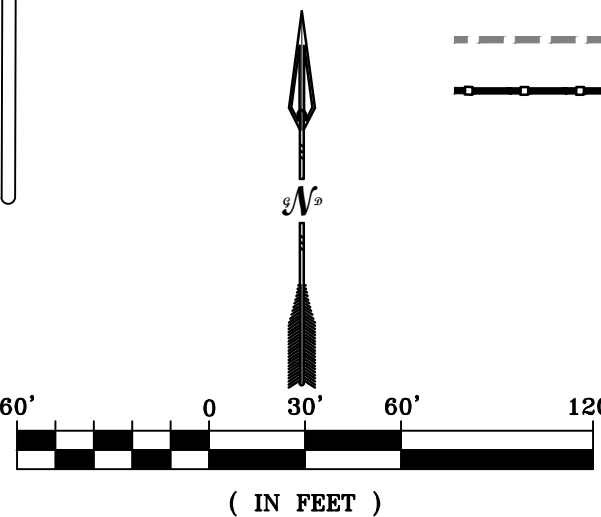
THE RUNOFF FROM THE SITE IS WITHIN THE DESIGN CAPACITY OF THE DOWNSTREAM FACILITIES AND IN COMPLIANCE WITH CITY REQUIREMENTS.

LEGEND

- FLOW ARROW
- SLOPE ARROW
- EL=11.28 PROPOSED ELEVATION
- 66.33 EXISTING ELEVATION
- GRADE BREAK
- EXISTING CONTOUR
- EXISTING CONTOUR
- PROPOSED EASEMENT
- PROPOSED GRADE
- EXISTING WALL
- BASIN BOUNDARY

GND, LLC

Albuquerque, NM 87114
Phone: (505) 364-0472



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	DATE	INSPECTOR	DATE	NO.	BY	NO.	DATE	NO.	DATE	BY	DATE
WORK BY		INSPECTOR'S									
ACCEPTANCE BY		DATE									
VERIFICATION BY		DATE									
DRAWINGS		DATE									
CORRECTED BY		DATE									
MICRO-FILM INFORMATION		DATE									
RECORDED BY		DATE									
NO.											

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP		COORS PAVILION MASTER DRAINAGE PLAN SITE GRADING & DRAINAGE	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.
CITY PROJECT No.	ZONE MAP NO. K-09-Z	SHEET 1	OF 1