

FIRM MAP:

3500T00352 H

Location
Lots 2 & 3, Block B, Louisiana Addition, is located at 7016 Prospect Ave., NE and contains ±11977 acres. See attached portion of Vicinity Map H-19-2 for exact location.

Purpose
The purpose of this drainage report is to present a grading and drainage solution for the proposed garages to the west side of the buildings, covered parking to the east side of the building, and paving gravel parking lot to the south along the alley. We are requesting the rough grading, paving and building permit approval.

Existing Drainage Conditions
This site is fully developed and drains both to the north to Prospect and south to the paved alley. There are existing covered/paved parking areas to the east and west side of the project. There is also gravel parking lot to the south along the alley. No off-site runoff exists. Existing ground map is 3500T00352H, map revised August 16, 2012, the site does not fall within a 100-year floodplain.

Proposed Conditions and On-Site Drainage Management Plan
The owners are proposing the remove existing covered parking areas and construct new garages to the west and new covered parking area to the east, and pave existing gravel parking area along the alley to the south. Eventhough paving the gravel parking area will increase the runoff, but additional landscaping areas are being proposed. The increase in runoff under the developed conditions is only 0.11 cfs.

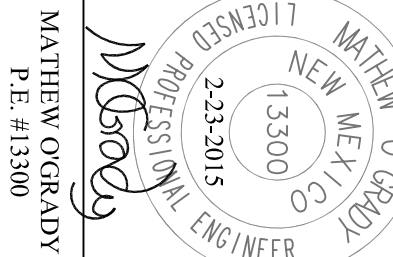
Calculations
City of Albuquerque, Development Process Manual, Section 22.2, Hydrology Section, was used for runoff calculations. See this plan for AHYMO input and Summary output files.

* ZONE 3	
* 100-PROSPECT AVE. NE	
***** 100-YEAR, 6-HR STORM (UNDER EXISTING CONDITIONS) *****	
START	RAINFALL
TYPE=1 RAIN QUANTER=0.0 IN	
RAIN ONE=2.14 IN RAIN SIX=4.60 IN	
ID=1 HYD NO=101.1 AREA=0.001871 SQ MI	
PER A=0.00 PER B=11.00 PER C=24.00 PER D=65.00	
TP=0.1333 HR MASS RAINFALL=1	
***** 10-YEAR, 6-HR STORM (UNDER EXISTING CONDITIONS) *****	
START	RAINFALL
TYPE=0 RAIN QUANTER=0.0 IN	
RAIN ONE=1.43 IN RAIN SIX=1.73 IN	
ID=1 HYD NO=101.1 AREA=0.001871 SQ MI	
PER A=0.00 PER B=14.00 PER C=13.00 PER D=73.00	
TP=0.1333 HR MASS RAINFALL=1	
***** 10-YEAR, 6-HR STORM (UNDER PROPOSED CONDITIONS) *****	
START	RAINFALL
TYPE=1 RAIN QUANTER=0.0 IN	
RAIN ONE=2.14 IN RAIN SIX=4.60 IN	
ID=1 HYD NO=101.1 AREA=0.001871 SQ MI	
PER A=0.00 PER B=14.00 PER C=13.00 PER D=73.00	
TP=0.1333 HR MASS RAINFALL=1	
***** 10-YEAR, 6-HR STORM (UNDER PROPOSED CONDITIONS) *****	
START	RAINFALL
TYPE=0 RAIN QUANTER=0.0 IN	
RAIN ONE=1.43 IN RAIN SIX=1.73 IN	
ID=1 HYD NO=101.1 AREA=0.001871 SQ MI	
PER A=0.00 PER B=14.00 PER C=13.00 PER D=73.00	
TP=0.1333 HR MASS RAINFALL=1	
***** FINISH *****	

DRAINAGE CERTIFICATION

I, MATTHEW OKRADY, SHAPE 13300, OF THE FIRM MATTHEW OKRADY, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S STANDARDS AND SPECIFICATIONS FOR GRADING AND DRAINAGE. I HAVE PERSONALLY VISITED THE PROJECT SITE ON 2/23/2015 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR FINAL CERTIFICATION OF OCCUPANCY. THE ASSURANCE IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE DESIGN WITH THE CITY OF ALBUQUERQUE'S STANDARDS AND SPECIFICATIONS FOR GRADING AND DRAINAGE. I AM NOT PROVIDING ANY OTHER WORKS.

Signature of Engineer
2-23-2015
Date



MATTHEW OKRADY
P.E. #13300

PROSPECT AVENUE

MATTHEW OKRADY
P.E. #13300

AHYMO PROGRAM SUMMARY TABLE (AHYMO.97) -									
INPUT FILE = PROSPECT1.XT									
COMMAND	IDENTIFICATION	NO.	FROM TO ID	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1
START	TYPE=1	1	101.00	.00187	5.26	.193	1.93723	1.500	00
COMPUTE NM HYD	TYPE=1	1	111.00	.00187	3.31	.115	1.15187	1.500	65.00
START	TYPE=1	1	101.10	.00187	5.37	.201	2.01195	1.500	1.730
COMPUTE NM HYD	TYPE=1	1	111.10	.00187	3.41	.121	1.21633	1.500	2.600
FINISH	TYPE=1	1							73.00

BASIN AREA

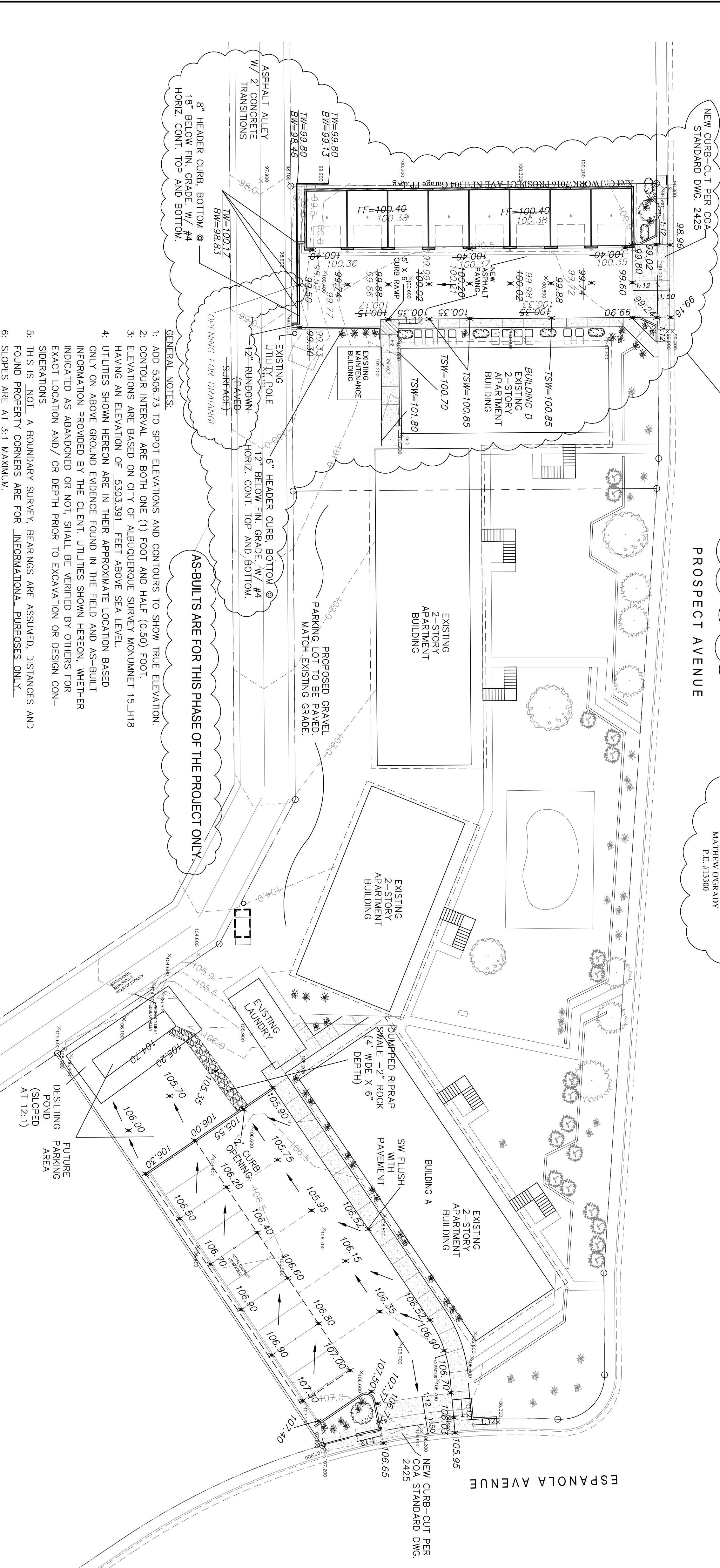
BASIN	AREA (SF)	AREA (AC)	AREA (MI ²)
ON-SITE	52,172.67	1.1977	0.001871

EXISTING

BASIN	Q-100 (CFS)	Q-10 (CFS)	TREATMENT
ON-SITE	5.26	3.31	A, B, C, D

PROPOSED

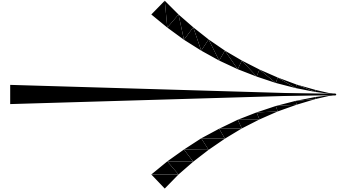
BASIN	Q-100 (CFS)	Q-10 (CFS)	TREATMENT
ON-SITE	5.37	3.41	A, B, C, D



- EROSION CONTROL PLAN AND POLLUTION PREVENTION NOTES**
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
 - CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
 - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUNOFF ON SITE.
 - REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC AREAS IS THE RESPONSIBILITY OF THE CONTRACTOR.
 - ALL WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
 - ALL THE DISTURBED AREAS MUST BE REVEGETATED.

LEGEND

- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- BOUNDARY LINE
- EASEMENT
- LIMITS OF TOP OF EXISTING SLOPE
- PROPOSED GRADE
- PROPOSED SPOT ELEVATION
- EXISTING GRADE
- AS-BUILT GRADES

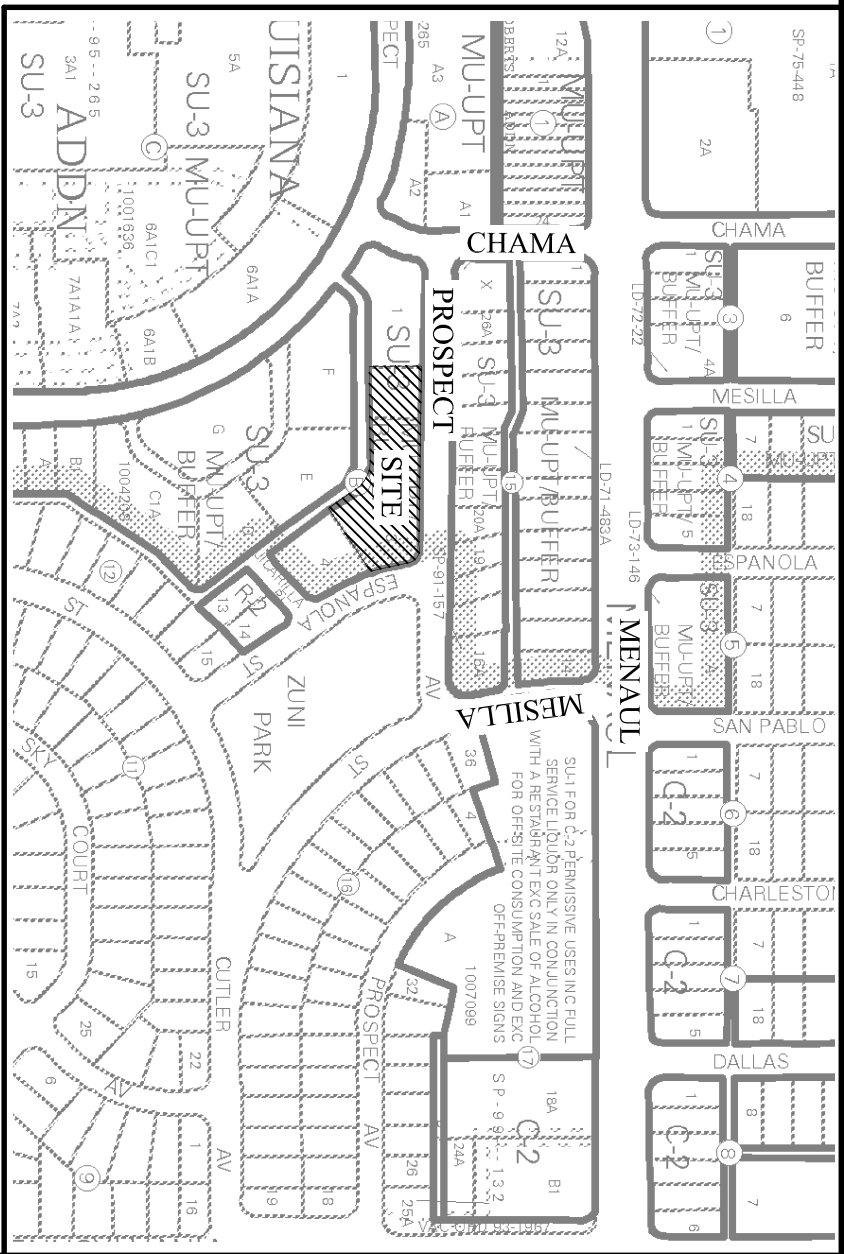


GRAPHIC SCALE

SCALE: 1"=20'

Prospect Apartments
Garages, Carport and Parking Modifications
GRADING AND DRAINAGE PLAN

DRAWING: PROSPECT.DWG
DRAWN BY: MG
DATE: 11-18-2013
SHEET # 1 OF 1



VICINITY MAP:

H-19-2

LEGAL DESCRIPTION:

LOT 2 & 3, BLOCK B, LOUISIANA ADDITION
CONTAINING 52,172.67 SQUARE FEET (1.1977 ACRES)
MORE OR LESS.
ZONED SU-3

ADDRESS

7016 PROSPECT AVE., NE, ALBUQUERQUE, NM 87110

NOTICE TO CONTRACTORS

- ANY EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1989.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL FOR LOCATING SERVICE, 240-1990 OR "811", FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL STRUCTURES. SHOULD A CONFLICT BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

LAST REVISION: 01-23-2015

CITY OF ALBUQUERQUE



March 2, 2015

David Soule, PE
Rio Grande Engineering
1606 Central SE Suite 201
Albuquerque, NM 87106

**Re: Rancho Candelaria
3615 Conrado NW
Request Permanent C.O. - Accepted
Engineer's Stamp dated: 8-5-14 (G13D023C)
Certification dated: 2-5-15**

Dear Mr. Soule,

Based on the Certification received 3/2/2015, the site is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

If you have any questions, you can contact me at 924-3695 or Rudy Rael at 924-3977.

Albuquerque

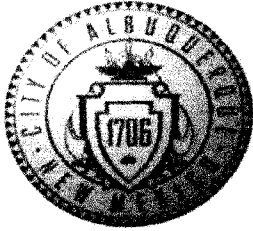
Sincerely,

Curtis Cherne, P.E.,
Principal Engineer, Hydrology
Planning Department

New Mexico 87103

www.cabq.gov

C: RR/CC
email



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Prospect Apartments Building Permit #: 201391936 City Drainage #: H19D080

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: LOT 2 & 3, BLOCK B, LOUISIANA ADDITION

City Address: 7016 PROSPECT AVE. NE, ALBUQUERQUE, NM 87110

Engineering Firm: Mathew O'Grady Contact: _____

Address: 8707 La Sala Del Sur NE, Albuquerque, NM 87111

Phone#: 505-507-1436 Fax#: _____ E-mail: mathewogradype@gmail.co

Owner: Mark Bentz Contact: _____

Address: 9800 Lorelei Ln NE, Albuquerque, NM 87111

Phone#: 505-449-7090 Fax#: _____ E-mail: _____

Architect: ARRIS DESIGN GROUP Contact: _____

Address: P.O. Box 93693, Albuquerque, NM 87199

Phone#: (505) 301-0358 Fax#: _____ E-mail: adg@arrisdg.com

Surveyor: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Contractor: Renaissance Man Construction Inc. Contact: Mike Howell

Address: P.O. Box 90118, Albuquerque, NM 87199

Phone#: (505)659-7208 Fax#: _____ E-mail: rmcincnm@gmail.com

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1st SUBMITTAL
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL G & D PLAN
- ☐ GRADING PLAN
- ☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☒ ENGINEER'S CERT (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEER'S CERT (TCL)
- ☐ ENGINEER'S CERT (DRB SITE PLAN)
- ☐ ENGINEER'S CERT (ESC)
- ☐ SO-19
- ☒ OTHER (SPECIFY) Resubmit w/ requested info

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ SIA/FINANCIAL GUARANTEE RELEASE
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D APPROVAL
- ☐ S. DEV. FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☒ CERTIFICATE OF OCCUPANCY (PERM)
- ☐ CERTIFICATE OF OCCUPANCY (TCL TEMP)
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ BUILDING PERMIT APPROVAL
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☐ GRADING CERTIFICATION
- ☐ SO-19 APPROVAL
- ☐ ESC PERMIT APPROVAL
- ☐ ESC CERT. ACCEPTANCE
- ☐ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED: _____ Yes _____ No _____ Copy Provided

DATE SUBMITTED: 2/24/2015 By: Mike Howell

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
4. **Erosion and Sediment Control Plan:** Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development