CITY OF ALBUQUERQUE

November 7, 2014

Guy Jackson, PE
Guy Jackson & Associates, LLC
10522 Florence Ave NE
Albuquerque, NM 87122

Re: Lot 6 Rancho de Candelaria
3605 Conrado NW
Request Permanent C.O. - Accepted
Engineer's Stamp dated: 3-15-14 (G13D023B)
Certification dated: 11-4-14

Dear Mr. Jackson,

Based on the Certification received 11/4/2014, the site is acceptable for release of Certificate of Occupancy by Hydrology.

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

Sincerely,

Curtis Cherne, P.E.
Principal Engineer, Planning Dept.
Development and Review Services

RR/CC
C: email

PO Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 12/05)

PROJECT TITLE: ***Lot , Rancho de Candelaria***
ZONE MAP/DRG. FILE # G-13
DRB#:NA EPC#: NA WORK ORDER#: NA

LEGAL DESCRIPTION: Lot 6 –Rancho de Candelaria G13D023B
CITY ADDRESS: 3605 Conrado NW

ENGINEERING FIRM: GUY JACKSON & ASSOCIATES, LLC
ADDRESS: 10522 FLORENCE AVE. NE
CITY, STATE: Albuquerque, NM
CONTACT: GUY JACKSON, PE
PHONE: 235-1426
ZIP CODE: 87122

OWNER: Las Ventanas, NM, Inc
ADDRESS: PO Box 10600,
CITY, STATE: Albuquerque, NM
CONTACT: Scott Ashcraft
PHONE: 505-362-6824
ZIP CODE: 87184

ARCHITECT: NA
ADDRESS: NA
CITY, STATE: NA
CONTACT: NA
PHONE: NA
ZIP CODE: NA

SURVEYOR: Harris Surveying.
ADDRESS: 2412-D Monroe St. NE
CITY, STATE: ALBUQUERQUE, NM
CONTACT: Tony Harris
PHONE: 889-8645
ZIP CODE: 87109

CONTRACTOR: TBD
ADDRESS:
CITY, STATE:
CONTACT:
PHONE:
ZIP CODE:

TYPE OF SUBMITTAL:
_____ DRAINAGE REPORT
_____ DRAINAGE PLAN 1st SUBMITTAL
_____ DRAINAGE PLAN RESUBMITTAL
_____ CONCEPTUAL G & D PLAN
_____ GRADING PLAN
_____ EROSION CONTROL PLAN
X_____ ENGINEER'S CERT (HYDROLOGY)
_____ CLOMR/LOMR
_____ TRAFFIC CIRCULATION LAYOUT
_____ ENGINEER/ARCHITECT CERT (TCL)
_____ ENGINEER/ARCHITECT CERT (DRB S.P.)
_____ ENGINEER/ARCHITECT CERT (AA)
_____ OTHER (SPECIFY)

CHECK TYPE OF APPROVAL 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
_____ FOUNDATION PERMIT APPROVAL
_____ BUILDING PERMIT APPROVAL
X_____ CERTIFICATE OF OCCUPANCY (PERM)
_____ CERTIFICATE OF OCCUPANCY (TEMP)
_____ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ WORK ORDER APPROVAL
_____ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:
_____ YES
x_____ NO
_____ COPY PROVIDED

RECEIVED
NOV - 4 2014
LAND DEVELOPMENT SECTION

SUBMITTED BY: GUY JACKSON, PE DATE: 11-04-14

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 define 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.

GUY JACKSON
AND ASSOCIATES, LLC
CIVIL ENGINEERING

November 4, 2014

Rudy Rael, PE
Plan Checker,
Hydrology Development Section
Development & Building Services
PO Box 1293
Albuquerque, New Mexico 87103

Re: Lots 6, Rancho de Candelaria, NW, Albuquerque, NM
(Zone Atlas Map G-13)

Dear Rudy:
I'm providing the following material for
Certificate of Occupancy approval:

- One (1) drainage information sheet
- Two (2) copies of the drainage & grading plan with as-built info and certification language.

Please review the attached material for issuance of Certificate of Occupancy.

Please contact me if you have any questions or comments or if you would like me to assist you on your site inspection.

Sincerely,

GUY JACKSON & ASSOCIATES, LLC

Guy C. Jackson, PE
President
10522 Florence Ave. NE
Albuquerque, NM 87122
505-235-1426

CITY OF ALBUQUERQUE

September 4, 2014

Guy Jackson, P.E.
Guy Jackson & Associates, LLC
10522 Florence Ave NE
Albuquerque, New Mexico 87122

RE: **Lot 6 Conrado Ct, Rancho De Candelaria**
Grading and Drainage Plan
Engineers Stamp Date 8/22/14 (G13D023B)

Dear Mr. Jackson,

Based upon the information provided in your submittal received 8/23/14, the above referenced Grading and Drainage Plan is approved for Building Permit and Paving Permit. This will now be the plan used for approval of the final CO.

Attach a copy of this approved plan to each of the Building Permit sets prior to seeking approval by the Hydrology section.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

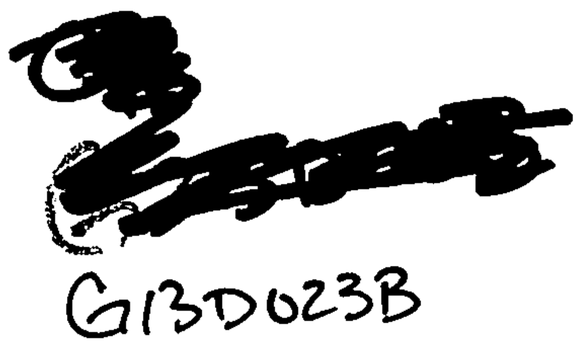
Sincerely,

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

RR/CC
C: File

PO Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 12/05)



PROJECT TITLE: ***Lot , Rancho de Candelaria***
ZONE MAP/DRG. FILE # G-13
DRB#: NA EPC#: NA WORK ORDER#: NA

LEGAL DESCRIPTION: Lot 6 –Rancho de Candelaria
CITY ADDRESS: 3605 Conrado NW

ENGINEERING FIRM: GUY JACKSON & ASSOCIATES, LLC — CONTACT: GUY JACKSON, PE
ADDRESS: 10522 FLORENCE AVE. NE — PHONE: 235-1426
CITY, STATE: Albuquerque, NM — ZIP CODE: 87122

OWNER: Las Ventanas, NM, Inc — CONTACT: Scott Ashcraft
ADDRESS: PO Box 10600, — PHONE: 505-362-6824
CITY, STATE: Albuquerque, NM — ZIP CODE: 87184

ARCHITECT: NA — CONTACT: NA
ADDRESS: NA — PHONE: NA
CITY, STATE: NA — ZIP CODE: NA

SURVEYOR: Harris Surveying. — CONTACT: Tony Harris
ADDRESS: 2412-D Monroe St. NE — PHONE: 889-8645
CITY, STATE: ALBUQUERQUE, NM — ZIP CODE: 87109

CONTRACTOR: TBD — CONTACT:
ADDRESS: — PHONE:
CITY, STATE: — ZIP CODE:

TYPE OF SUBMITTAL:
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X_____ DRAINAGE PLAN 1st SUBMITTAL
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_____ CONCEPTUAL G & D PLAN
X_____ GRADING PLAN
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_____ TRAFFIC CIRCULATION LAYOUT
_____ ENGINEER/ARCHITECT CERT (TCL)
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_____ S. DEV. FOR BLDG. PERMIT APPROVAL
_____ SECTOR PLAN APPROVAL
_____ FINAL PLAT APPROVAL
_____ FOUNDATION PERMIT APPROVAL
X_____ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY (PERM)
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_____ PAVING PERMIT APPROVAL
_____ WORK ORDER APPROVAL
_____ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:
_____ YES
x_____ NO
_____ COPY PROVIDED

SUBMITTED BY: GUY JACKSON, PE — DATE: 8-22-14

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 define the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

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CITY OF ALBUQUERQUE

April 2, 2014

Guy Jackson, P.E.
Guy Jackson & Associates, LLC
10522 Florence Ave NE
Albuquerque, New Mexico 87122

RE: **Lot 6 Conrado Ct, Rancho De Candelaria**
Grading and Drainage Plan
Engineers Stamp Date 3/19/14 (G13D023B)

Dear Mr. Jackson,

Based upon the information provided in your submittal received 3/20/14, the above referenced Grading and Drainage Plan is approved for Building Permit and Paving Permit.

Attach a copy of this approved plan to each of the Building Permit sets prior to seeking approval by the Hydrology section.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

Sincerely,

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

RR/CC
C: File

PO Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 12/05)

PROJECT TITLE: ***Lot , Rancho de Candelaria***
ZONE MAP/DRG. FILE # G-13
DRB#:NA EPC#: NA WORK ORDER#: NA

G-13 D023B

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CITY ADDRESS: 3605 Conrado NW

ENGINEERING FIRM: GUY JACKSON & ASSOCIATES, LLC
ADDRESS: 10522 FLORENCE AVE. NE
CITY, STATE: Albuquerque, NM

CONTACT: GUY JACKSON, PE
PHONE: 235-1426
ZIP CODE: 87122

OWNER: Las Ventanas, NM, Inc
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CONTACT: Scott Ashcraft
PHONE: 505-362-6824
ZIP CODE: 87184

ARCHITECT: NA
ADDRESS: NA
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CONTACT: NA
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ADDRESS: 2412-D Monroe St. NE
CITY, STATE: ALBUQUERQUE, NM

CONTACT: Tony Harris
PHONE: 889-8645
ZIP CODE: 87109

CONTRACTOR: TBD
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X_____ DRAINAGE PLAN 1st SUBMITTAL
_____ DRAINAGE PLAN RESUBMITTAL
_____ CONCEPTUAL G & D PLAN
X_____ GRADING PLAN
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_____ CLOMR/LOMR
_____ TRAFFIC CIRCULATION LAYOUT
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_____ PAVING PERMIT APPROVAL
_____ WORK ORDER APPROVAL
_____ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:
_____ YES
x_____ NO
_____ COPY PROVIDED

$ 50.00

RECEIVED
MAR 20 2014
LAND DEVELOPMENT SECTION

SUBMITTED BY: GUY JACKSON, PE DATE: 3-19-14

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 define the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

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3. **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.

GUY JACKSON
AND ASSOCIATES, LLC
CIVIL ENGINEERING

March 20, 2014

Curtis Cherne, PE
Rudy Rael, Plan Checker,
Hydrology Development Section
Development & Building Services
PO Box 1293
Albuquerque, New Mexico 87103

Re: Lots 6, Rancho de Candelaria, NW, Albuquerque, NM
(Zone Atlas Map G-13)

Dear Curtis and Rudy:
Attached for review for Building Permit approval are the following:

- One (1) drainage information sheet
- One (1) copy of the drainage & grading plan
- One (1) copy of the master drainage & grading plan
- One (1) copy of the drainage calculations, exhibits and spreadsheet

Note that this project is adjacent to lot 7 that was submitted and approved last month. Hopefully, similar to lot 7, since this project is also part of the previously approved grading plan for the subdivision, perhaps a timely review can be performed.

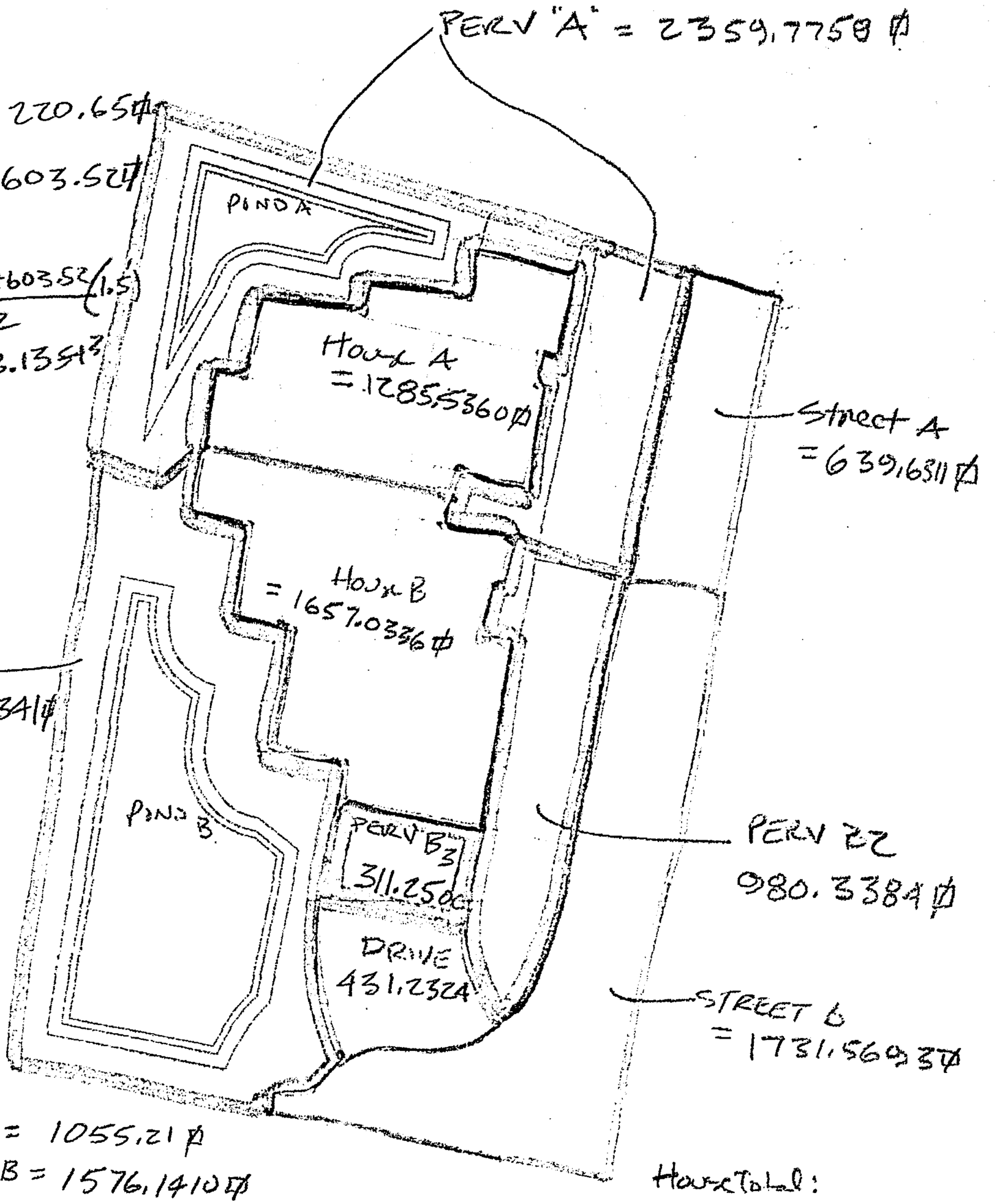
Please review the attached plan and accompanying master grading and drainage plan for the Ranch de Candelaria Subdivision prepared and certified by Richard Lovato dated 11/27/05.

Please contact me if you have any questions or comments.
Thanks for your consideration.

Sincerely,

GUY JACKSON & ASSOCIATES, LLC

Guy C. Jackson, PE
President
10522 Florence Ave. NE
Albuquerque, NM 87122
505-235-1426



65.5 A = 220.65 ft²

67 A = 603.52 ft²

$V_A = \frac{220.65 + 603.52}{2}(1.5')$

$= 618.1351 ft^3$

65.5 B = 1055.21 ft²

67 B = 1576.1410 ft²

$V_B = \frac{1055.21 + 1576.14}{2}(1.5')$

$= 1,973.51 ft^3$

Total $V_A + V_B = 2591.645 ft^3$

House Total:

1285.5360 ft²
+ 1657.0336 ft²

2,942.5696 ft²

HYDROLOGY ZONE 2

EXISTING CONDITIONS

$A_{TOTAL} = 0.29\,AC$

TREATMENT C = 0.256AC

TREATMENT D = 0.0544AC

PROPOSED CONDITIONS

$A_{TOTAL} = 0.29\,AC$

BASIN A:

TREATMENT C: $A_C = 0.054\,AC$

TREATMENT D: $A_D = 0.0442\,AC$

BASIN B:

TREATMENT C: $A_C = 0.1041\,AC$

TREATMENT D: $A_D = 0.0877\,AC$

Total $A_D = 0.1319\,AC$

HYDROLOGY

$A_{TOTAL} = 12{,}630.3877\,\text{ft}^2 = 0.29\,AC$

PROPOSED CONDITIONS

$A_{PERV} = 2359.7758\,(PERV_A)$

$+ 3241.6341\,(PERV_B)$

$+ 980.3384\,(PERV_{B2})$

$+ 311.2500\,(PERV_{B3})$

$6892.9983\,\text{ft}^2$ ① $= 0.1582415\,AC$ ①

$\%A_{PERV} = 55\%$

$A_{IMP} = 2{,}942.5696\,(HOUSE)$

$+ 639.6311\,(Street\ A)$

$+ 1731.5603\,(Street\ B)$

$+ 431.2324\,(DRIVE/SWALE)$

$5{,}745.0024\,\text{ft}^2 = 0.1318871\,AC$ ②

$\%A_{Imp} = 45\%$ ✓ MEETS MASTER GRADING & DRAINAGE PLAN (3-9-04) Low to Requirements

---

3/10

3/19/14

100YR - 10 DAY STORM

ZONE ATLAS G-13

P_{1440} = 2.6 in (24hr) (Figure C-3)

P_{360} = 2.2 in (6hr) (Figure C-2)

$$P_{10} = 10 - (24.9/(P_{1440})^{1.4})$$

$$= 10 - 24.9/3.91$$

$$= 3.47$$

$$V_{10DAY} = V_{360} + [A_D * (P_{10} - P_{360})/12in/ft]$$

$$= 0.038 + [0.1319 * (3.47 - 2.2)/12in/ft]$$

$$= 0.038 + 0.014$$

$$= 0.052 AC\text{-}FT$$

$$= 2265 CF (REQUIRED)$$

4/10

Volume Provided

A)

	A	∀	Σ∀
65.5	221	0	0
66.	332	138	138
67	604	468	606

$\frac{221+332}{2}(.5) = 138$

$\frac{332+604}{2}(1) = 468$

B)

	A	∀	Σ∀
65.5	1055	0	0
66	1221	569	569
67	1576	1399	1967.5

$\frac{1055+1221}{2}(.5) = 569$

$\frac{1221+1576}{2}(1) = 1399$

Total ∀OL Provided: $1968 + 606 = 2574_{CF}$

∀PROVIDED (2574) > ∀REQ (2265)

100YR -10DAY WSEL

703

$$\frac{2574 - (569+134)}{1} = \frac{2265 - (703)}{d}$$

$d = 0.83$

WSEL = $66 + .83 = 66.83$

Depth = 1.33'

Drainage Summary

Project: Lot 6 Rancho de Candelaria
Project Numbe:
Date: 03/19/14
By: GJA

Site Location

Precipitation Zone 2 Per Table A-1 COA DPM Section 22.2

Existing summary

Basin Name		Basin LOT 6					TOTAL
Soil Treatment (acres)							
Area "A"		0.00	0.00	0.00	0.00	0.00	0.00
Area "B"		0.00	0.00	0.00	0.00	0.00	0.00
Area "C"		0.236	0.000	0.000	0.000	0.000	0.24
Area "D"		0.054	0.00	0.00	0.00	0.00	0.05
	TOTAL	0.290	0.000	0.00	0.00	0.00	0.29
Excess Runoff (acre-feet)							
100yr. 6hr.		0.03	0.00	0.00	0.00	0.00	0.032
10yr. 6hr.		0.02	0.00	0.00	0.00	0.00	0.02
2yr. 6hr.		0.01	0.00	0.00	0.00	0.00	0.01
100yr. 24hr.		0.03	0.00	0.00	0.00	0.00	0.03
	TOTAL	0.09	0.00	0.00	0.00	0.00	0.09
Peak Discharge (cfs)							
100 yr.		1.00	0.00	0.00	0.00	0.00	1.00
10yr.		0.57	0.00	0.00	0.00	0.00	0.57
2yr.		0.24	0.00	0.00	0.00	0.00	0.24
	TOTAL	1.81	0.00	0.00	0.00	0.00	1.81

Proposed summary

Basin Name		Basin A(Dev)	Basin B(Dev)				TOTAL
Soil Treatment (acres)							
Area "A"		0.00	0.00	0.00	0.00	0.00	0.00
Area "B"		0.00	0.00	0.00	0.00	0.00	0.00
Area "C"		0.054	0.104	0.00	0.00	0.00	0.16
Area "D"		0.044	0.088	0.00	0.00	0.00	0.13
	TOTAL	0.10	0.19	0.00	0.00	0.00	0.29
Excess Runoff (acre-feet)							
100yr. 6hr.		0.01	0.03	0.00	0.00	0.00	0.038
10yr. 6hr.		0.01	0.01	0.00	0.00	0.00	0.02
2yr. 6hr.		0.00	0.01	0.00	0.00	0.00	0.01066
100yr. 24hr.		0.01	0.03	0.00	0.00	0.00	0.04
	TOTAL	0.04	0.07	0.00	0.00	0.00	0.11
Peak Discharge (cfs)							
100yr		0.38	0.74	0.00	0.00	0.00	1.12
10yr.		0.23	0.45	0.00	0.00	0.00	0.68
2yr.		0.11	0.23	0.00	0.00	0.00	0.34
	TOTAL	0.72	1.42	0.00	0.00	0.00	2.14

6/10

GJA,LLC

Civil Engineering

PROJECT **Lot 6 Rancho de Candelaria**
PROJECT NO.
DATE **03/19/14**
BY **GJA**

DPM Section 22.2 - Hydrology

Part A-Watersheds less than 40 acres.
January, 1993

INSTRUCTIONS

* Spread sheet requires three input areas (dark cells):
  - Location
  - >A.1 Precipitation Zone
  - >A.3 Land Treaments
* Values from the tables are automatically placed using "if" statements.
* Table values should be checked for correctness for each use.

SUMMARY

Location	Basin A(Dev)	Basin B(Dev)				TOTALS	
Precipitation Zone	2	2	2	2	2	2	
Land Area	0.10	0.19	0.00	0.00	0.00	0.29	acres
Excess Precipitation Volume							
>>> **100-year 6-hour (design)**	0.01	0.0253	0.00	0.00	0.00	0.04	**acre-ft.**
10-year 6-hour	0.01	0.01	0.00	0.00	0.00	0.02	acre-ft.
2-year 6-hour	0.00	0.01	0.00	0.00	0.00	0.01	acre-ft.
100-year 24-hour	0.01	0.03	0.00	0.00	0.00	0.04	acre-ft.
Peak Discharge Rates (DPM)							
>>> **Q100 (design)**	0.38	0.74	0.00	0.00	0.00	1.12	**cfs**
Q10	0.23	0.45	0.00	0.00	0.00	0.68	cfs
Q2	0.11	0.23	0.00	0.00	0.00	0.34	cfs

CALCULATIONS FOLLOW

9/7

INPUT AND CALCULATIONS

	LOCATION		Basin A(Dev)	Basin B(Dev)				
>A.1	PRECIPITATION ZONE (from Table A-1)		2	2	2	2	2	2
							TOTALS	
>A.2	DEPTHS (from Table A-2)							
	100-YEAR STORM (P60)		2.01	2.01	2.01	2.01	2.01	2.01 inches
	100-YEAR STORM (P360)		2.35	2.35	2.35	2.35	2.35	2.35 inches
	100-YEAR STORM (P1440)		2.75	2.75	2.75	2.75	2.75	2.75 inches
	10-YEAR (P360) (Calculated: P360*RPF10)		1.57	1.57	1.57	1.57	1.57	1.57 inches
	2-YEAR (P360) (Calculated: P360*RPF2)		1.02	1.02	1.02	1.02	1.02	1.02 inches
>A.3	LAND TREATMENTS (AI)						TOTALS	
		Treatment A	0.00	0.00	0.00	0.00	0.00	0.00 acres
		Treatment B	0.00	0.00	0.00	0.00	0.00	0.00 acres
		Treatment C	0.05	0.10	0.00	0.00	0.00	0.16 acres
		Treatment D	0.04	0.09	0.00	0.00	0.00	0.13 acres
		Total Area	0.10	0.19	0.00	0.00	0.00	0.29 acres
>A.4	ABSTRACTIONS		See A.5	See A.5	See A.5	See A.5	See A.5	See A.5

CALCULATIONS FOLLOW

9/16

INPUT AND CALCULATIONS (CON'T)

>A.5 EXCESS PRECIPITATION 6 HOUR AND 24 HOUR (EI) from Table A-8						TOTALS	
100-year 6-hour							
Treatment A	0.53	0.53	0.53	0.53	0.53	0.53	inches
Treatment B	0.78	0.78	0.78	0.78	0.78	0.78	inches
Treatment C	1.13	1.13	1.13	1.13	1.13	1.13	inches
Treatment D	2.12	2.12	2.12	2.12	2.12	2.12	inches
WEIGHTED E (Sum EI*AI/A)	1.58	1.58	0.53	0.53	0.53	1.58	inches
VOLUME V100:6h (E*A)	0.01	0.0253	0.00	0.00	0.00	0.04	acre-ft.
	561.65	1,101.91	0.00	0.00	0.00	1,663.56	ft^3
10-year 6-hour							
Treatment A	0.13	0.13	0.13	0.13	0.13	0.13	inches
Treatment B	0.28	0.28	0.28	0.28	0.28	0.28	inches
Treatment C	0.52	0.52	0.52	0.52	0.52	0.52	inches
Treatment D	1.34	1.34	1.34	1.34	1.34	1.34	inches
WEIGHTED E (Sum EI*AI/A)	0.89	0.89	0.13	0.13	0.13	0.89	inches
VOLUME V10:6h (E*A)	0.01	0.01	0.00	0.00	0.00	0.02	acre-ft.
	316.93	623.09	0.00	0.00	0.00	940.02	ft^3
2-year 6-hour							
Treatment A	0.00	0.00	0.00	0.00	0.00	0.00	inches
Treatment B	0.02	0.02	0.02	0.02	0.02	0.02	inches
Treatment C	0.15	0.15	0.15	0.15	0.15	0.15	inches
Treatment D	0.79	0.79	0.79	0.79	0.79	0.79	inches
WEIGHTED E (Sum EI*AI/A)	0.44	0.44	0.00	0.00	0.00	0.44	inches
VOLUME V2:6h (E*A)	0.00	0.01	0.00	0.00	0.00	0.01	acre-ft.
	156.16	308.18	0.00	0.00	0.00	464.34	ft^3
100-year 24-hour							
VOLUME V100:24h (V100-6h+Ad*P1440-P360)/12)	0.01	0.03	0.00	0.00	0.00	0.04	acre-ft.
	~~629.83~~	~~1,229.85~~	0.00	0.00	0.00	1,855.08	ft^3

CALCULATIONS FOLLOW

01/6

INPUT AND CALCULATIONS (CON'T)

>A.6 PEAK DISCHARGE RATE FOR SMALL WATERSHEDS (QI)
from Table A-9

						TOTALS	
100-year							
Treatment A	1.56	1.56	1.56	1.56	1.56	1.56	cfs/acre
Treatment B	2.28	2.28	2.28	2.28	2.28	2.28	cfs/acre
Treatment C	3.14	3.14	3.14	3.14	3.14	3.14	cfs/acre
Treatment D	4.70	4.70	4.70	4.70	4.70	4.70	cfs/acre
Q100 (Sum QI*AI)	0.38	0.74	0.00	0.00	0.00	1.12	cfs
10-year							
Treatment A	0.38	0.38	0.38	0.38	0.38	0.38	cfs/acre
Treatment B	0.95	0.95	0.95	0.95	0.95	0.95	cfs/acre
Treatment C	1.71	1.71	1.71	1.71	1.71	1.71	cfs/acre
Treatment D	3.14	3.14	3.14	3.14	3.14	3.14	cfs/acre
Q10 (Sum QI*AI)	0.23	0.45	0.00	0.00	0.00	0.68	cfs
2-year							
Treatment A	0.00	0.00	0.00	0.00	0.00	0.00	cfs/acre
Treatment B	0.08	0.08	0.08	0.08	0.08	0.08	cfs/acre
Treatment C	0.60	0.60	0.60	0.60	0.60	0.60	cfs/acre
Treatment D	1.86	1.86	1.86	1.86	1.86	1.86	cfs/acre
Q2 (Sum QI*AI)	0.11	0.23	0.00	0.00	0.00	0.34	cfs

CALCULATIONS FOLLOW

9/01