

October 18, 1999

Tom Mann, P.E. Engineering & Surveying Associates, Inc. 5312 Noreen Drive NE Albuquerque, New Mexico 87111

RE: Grading and Drainage Certification Plan for Shadow Mountain Subdivision (K21/D3B) Submitted for Release of Financial Guarantees, Engineer's Certification Stamp Dated 10/12/99.

Dear Mr. Mann:

Based on the information provided, the above referenced plan is adequate to satisfy the Grading and Drainage Certification requirement per the Infrastructure List dated February 2, 1999 for the release of Financial Guarantees for the Shadow Mountain Subdivision.

If you have any questions, or if I may be of further assistance to you, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.

City/County Floodplain Administrator

c: Terri Martin, DRB-98-224 Charles Bacheller, Owner

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Shadow Mountain 201	NE ATLAS/DRNG. FILE #: K-21/D38
DRB #: 98-224 EPC #: 98-75	WORK ORDER #:
LEGAL DESCRIPTION: 6+36-18 BIL 13 \$ 6-45 16-20 B	3/k 15 Rhodes Sandia Vista
CITY ADDRESS: Domingo PalNE between Gre Ha 5	t & Jame St.
ENGINEERING FIRM: Engineering & Surveying Associ	•
ADDRESS: 53/2 Novem NE	
OMNER: Charles Bacheller	
ADDRESS: 6616 Paddington NE	PHONE: <u>858-078</u>
ARCHITECT: NIA	CONTACT:
ADDRESS:	PHONE: Tony Harris
SURVEYOR: Harris Surveying Fire	CONTACT: <u>889</u> 8056
ADDRESS: 2412-D Monroe NG	
CONTRACTOR: Hydro Systems	CONTACT: Lee Smith.
ADDRESS:	PHONE:
TYPE OF SUBMITTAL: CHEC	CK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SKETCH PLAT APPROVAL
DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D. APPROVAL
GRADING PLAN	S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
EROSION CONTROL PLAN	SECTOR PLAN APPROVAL
X ENGINEER'S CERTIFICATION	FINAL PLAT APPROVAL
OTHER	FOUNDATION PERMIT APPROVAL
	BUILDING PERMIT APPROVAL
in the American Street, and the American Stree	CERTIFICATE OF OCCUPANCY APPROVAL
\$67-948.44	GRADING PERMIT APPROVAL
· · · · · · · · · · · · · · · · · · ·	PAVING PERMIT APPROVAL
government of the state of the	S.A.D. DRAINAGE REPORT
	DRAINAGE REQUIREMENTS
OCT 1 2 1999	SUBDIVISION CERTIFICATION
HYDROLOGY SECTION	OTHER (SPECIFY)
· · · · · · · · · · · · · · · · · · ·	(000041)
DATE SUBMITTED 10/12/99	· · · · · · · · · · · · · · · · · · ·



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 2, 1999

Thomas T. Mann, P.E. & P.S. Engineering & Surveying Associates, Inc. 5312 Noreen Drive NE Albuquerque, New Mexico 87111

RE: Revised Grading and Drainage Plan for Shadow Mountain Subdivision (K21/D3B) Submitted for Preliminary Plat Approval, Engineer's Stamp Dated 1/21/99.

Dear Mr. Mann:

Based on the information provided with the submittal of January 22, 1999, the above referenced plan is approved for Preliminary Plat action.

The above referenced plan is also approved for Rough Grading. As you are aware, a top-soil disturbance permit must be obtained before any grading may occur on this site.

As the engineer, you must determine whether the block walls are retaining walls or not. All retaining walls must be shown on the grading plan that is approved by the DRB. Unless this plan is revised and resubmitted to City Hydrology and the DRB, the retaining walls shown by the darker lines on this plan must be certified.

Prior to Final Plat sign-off, the SIA must be in place. The Grading and Drainage Certification is required prior to the release of Financial Guarantees for this subdivision.

If you have any questions, or if I may be of further assistance to you, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.

City/County Floodplain Administrator

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c: Charles Bacheller, Owner File



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 8, 1999

Thomas T. Mann, P.E. & P.S. Engineering & Surveying Associates, Inc. 5312 Noreen Drive NE Albuquerque, New Mexico 87111

RE: Revised Grading and Drainage Plan for Shadow Mountain Subdivision (K21/D3B) Submitted for Preliminary Plat Approval, Engineer's Stamp Dated 12/3/98.

Dear Mr. Mann:

Prior to approval for Preliminary Plat action, the above referenced plan must be revised to address the following comments:

- 1. After careful examination of the grading plan, it appears that retaining walls are needed to absorb the differences in elevations between some of the Lots. Also, provide a section for the typical Lot grading detail to show the proposed slopes on the side yards.
- 2. It appears by the topography provided that retaining walls are also needed along the east and west property lines.
- 3. Lots 24 33 must be revised to drain toward the front of the Lots, i.e., to Shadow Mountain Road.
- 4. An off-site drainage easement is required for the proposed ditch shown to the east of the site. The Quitclaim Deed is not acceptable in lieu of this document. Also show elevations along this ditch on the plan.
- 5. As requested in my previous comments, please show the locations of each street cross-section on the plan.

If you have any questions regarding these comments, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.

City/County Floodplain Administrator

QUITCLAIM DEED

BUD LEWIS COMPANY, INC., a New Mexico corporation (Grantor), for consideration paid, quitclaims an undivided one-half (1/2) interest as tenants in common to Edward G. Otero or Carol J. Otero, his wife, (Grantee) whose address is 5028 Pheasant Ave. NW, Albuquerque, New Mexico 87120, to the following described real estate in Bernalillo County, New Mexico:

The west thirty feet (30') of Jane St. NE from the south right-of-way line of ISR-40 to the north right-of-way line of Dorothy Road, which vacated right-of-way is east of Block 15 of Rhodes Sandia Vista, as filed in the Office of the County Clerk of Bernalillo County, New Mexico on March 24, 1950.

SUBJECT TO: Restrictions, reservations and easements of record and to taxes for the year 1998 and subsequent years.

Grantor reserves an easement for the passage of storm drainage waters ("Reserved Easement) from Grantor's property located west of the conveyed property (the "Grantor's Retained Property") pursuant to a grading and drainage plan approved by the City of Albuquerque. It shall be the Grantor's obligation to construct and to maintain any required drainage facilities. This Reserved Easement shall benefit and be appurtenant to and run with the Grantor's Retained Property.

Witness my hand and seal this _____ day of October, 1998.

BUD LEWIS COMPANY, INC.

By ________

VELMA G. LEWIS, President



P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 30, 1998

Thomas T. Mann, P.E. & P.S. Engineering & Surveying Associates, Inc. 5312 Noreen Drive NE Albuquerque, New Mexico 87111

RE: Grading and Drainage Plan for Shadow Mountain Subdivision (K21/D3B) Submitted for Preliminary Plat Approval, Engineer's Stamp Dated 10/27/98.

Dear Mr. Mann:

This letter is in response to your submittal of October 27, 1998. Prior to Preliminary Plat approval the following comments must be addressed:

- 1. You state that the off-site flows from Basin A will be conveyed to Domingo Road by a proposed ditch. This ditch must be designed and be on the Infrastructure List. An off-site easement will also be required. Please provide a section for this ditch. Does Domingo have curb and gutter on the north side? Is a sidewalk culvert required?
- 2. The off-site drainage basin map does not show the north edge of the basin boundaries. Does the area north of the fence line drain to the north? This is not clear. The plan must show the on-site and Domingo road drainage basin boundaries.
- 3. The street capacity calculations are not complete. What is the depth of flow for the developed runoff at each section? You may wish to plot the 100-year water surface and EGL on each section. Show the location of the cross-sections on the plan. The sections do not include the elevations to the right-of-way. Is the EGL contained within the right-of-way on Domingo and Morris?
- 4. With respect to the downstream channel, concurrence must be obtained from the downstream property owner, or his agent, regarding their acceptance of your proposed developed runoff.

If you have any questions regarding these comments, please call me at 924-3982.

Sincerely.

Susan M. Calongne, P.E.

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City/County Floodplain Administrator



October 2, 1998

Thomas T. Mann, P.E. & P.S. Engineering & Surveying Associates, Inc. 5312 Noreen Drive NE Albuquerque, New Mexico 87111

RE: Conceptual Grading and Drainage Plan for Shadow Mountain Subdivision (K21/D3B) Submitted for Preliminary Plat Approval, Engineer's Stamp Dated 9/17/98.

Dear Mr. Mann:

In my letter of September 9, 1998, I indicated that a comprehensive drainage report was required for the above referenced subdivision. The information provided was not complete. Prior to Preliminary Plat approval the following comments must be addressed:

- 1. The plan states that the off-site basin to the east drains to Domingo Road, however, the contours on the maps show that these lots drain to the west which may impact this subdivision.
- 2. Please provide a better off-site drainage basin map with current contours. The basin boundaries must be clearly delineated.
- 3. The runoff calculations for the off-site basin use only 24% land treatment "D." Is this for the fully developed condition? Why does the Domingo Road basin have only 68% land treatment "D?"
- 4. Provide cross-sections for the streets with the capacity calculations. Since the energy grade lines overtop the curbs on some of the streets, provide elevations for the adjacent lots to show that the existing residences will not be adversely impacted by the street flow.
- 5. Provide the proposed street grades for Shadow Mountain Road. Where the street flows go over the curbs, will the proposed residences be impacted?
- 6. Provide an analysis for the 90° turn at Domingo and Morris. It appears that this water will jump over the west curb in Morris onto the Lenkurt Site.



Tom Mann, P.E. page 2

7. Downstream capacity was not adequately addressed. A complete analysis is required for the existing earth channel. What is the velocity? How much runoff is the channel carrying? Provide elevations and cross-sections. Is this channel within a public easement or right-of-way?

If you have any questions regarding these comments, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.

City/County Floodplain Administrator



September 9, 1998

Tom Mann, P.E. Engineering & Surveying Associates, Inc. 5312 Noreen Drive NE Albuquerque, New Mexico 87111

RE: Conceptual Grading and Drainage Plan for Shadow Mountain Subdivision (K21/D3B) Submitted for Preliminary Plat Approval, Engineer's Stamp Dated 8/11/98.

Dear Mr. Mann:

Prior to Preliminary Plat approval for the above referenced subdivision, a comprehensive drainage report is required. The Report and Grading and Drainage Plan must address the following comments:

- 1. Downstream capacity was not fully addressed. Your plan proposes that the runoff will go west on Domingo, then turn north on Morris. Please analyze how the water makes this 90° turn. Does any runoff from Gretta join these flows at the Domingo/Morris intersection? Is a storm drain required in Morris? After the runoff reaches the north end of Morris, where does it go? It is not clear how this runoff enters the existing channel on the Lenkurt Site. The capacity and stability of this channel must be examined. It appears that the Lenkurt Site is proposing a storm drain system in the near future. You may wish to contact Tom Isaacson regarding the design and status of this proposed system. If your subdivision develops before that system goes in, will interim improvements be proposed?
- 2. Please provide a copy of the proposed Plat. It appears that right-of-way and/or easements may need to be vacated as well as the old Lot lines. Is the 30' strip of land just east of the site an easement or right-of-way? Please label this.
- 3. Clearly show the basin boundaries on the off-site drainage basin map. It is unclear whether Lots A-D drain directly to Domingo Road, or if they drain to the adjacent right-of-way or easement. How does your off-site basin map compare with the one prepared for the Lenkurt site?
- 4. A complete Grading and drainage plan is required. The plan must show all existing and proposed street grades. Spot elevations, as well as pad elevations, must be provided on each Lot. If any retaining walls are proposed, these must be shown on the plan. Provide a typical lot layout to demonstrate that cross-lot drainage is not proposed. Also show the existing contours adjacent to the subdivision on the north side.



5. It appears that 17.66 cfs exits Shadow Mountain Road onto Domingo Road. Since this water will probably jump over the crown in Domingo, is there an existing standard curb on the south side of the street to prevent this water from entering private property?

If you have any questions regarding these comments, please call me at 924-3982.

Sincerely,

Just Calongne, P.E.

City/County Floodplain Administrator

