### CITY OF ALBUQUERQUE



August 8, 2007

Jeffrey L. Mulberry, P.E. Bohannan Huston, Inc. 7500 Jefferson NE – Courtyard 1 Albuquerque, NM 87109

Re: Mesa Del Sol Elevated Water Reservoir Grading and Drainage Plan Engineer's Stamp dated 7-24-07 (R16/DA3004)

Dear Mr. Mulberry,

Based upon the information provided in your submittal dated 7-25-07, the above referenced plan is approved for Site Development Plan by the DRB, Grading Permit and Foundation Permit.

P.O. Box 1293

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. You are required to send a copy of your SWPPP on a CD to the following address:

Albuquerque

Department of Municipal Development, Storm Drainage Division, P.O. Box 1293, One Civic Plaza, Rm. 301, Albuquerque, NM 87103

New Mexico 87103

If you have any question concerning the SWPPP, please contact Kathy Verhage 768-3654.

www.cabq.gov

Upon completion of the project, please provide an Engineer Certification for our files.

If you have any questions, you can contact me at 924-3695.

Sincerely, Center G- Chem

Curtis A. Cherne, P.E.

Engineering Associate, Planning Dept. Development and Building Services

C: file
Brad Bingham
Kathy Verhage, DMD

#### DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/11/2002)

ADA ZROH

PROJECT TITLE: Mesa del Sol Elevated Water Reservoir DRB #:1005355EPC#: 07EPC-00110	ZONE MAP/DRG. FILE #R-16			
LEGAL DESCRIPTION: Future Tract 20, Bulk Land Plat for Mesa del Sol Innovation Park CITY ADDRESS:				
ENGINEERING FIRM: Bohannan Huston, Inc.  ADDRESS: 7500 Jefferson NE – Courtyard I  CITY, STATE: Albuquerque, NM	PHONE: (505) 823-1000			
OWNER: Forest City Covington, N.M., LLC  ADDRESS: 801 University Blvd. SE, Suite 200  CITY, STATE: Albuquerque, NM	PHONE: 505-400-3021 ZIP CODE:87106			
ARCHITECT: ADDRESS: CITY, STATE:	ZIP CODE:			
SURVEYOR: ADDRESS: CITY, STATE:	PHONE:			
CONTRACTOR:  ADDRESS:  CITY, STATE:	PHONE:			
CHECK TYPE OF SUBMITTAL:  DRAINAGE REPORT DRAINAGE PLAN X RESUBMITTALCONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION (HYDROLOGY) CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) ENGINEERS CERTIFICATION (TCL) ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN) OTHER (DRAINAGE DESIGN ANALYSIS REPORT) REVISION	CHECK TYPE OF APPROVAL SOUGHT:  SIA / FINANCIAL GUARANTEE RELEASE PRELIMINARY PLAT APPROVAL  S. DEV. PLAN FOR SUB'D. APPROVAL  X. S. DEV. PLAN FOR DRB APPROVAL SECTOR PLAN APPROVAL FINAL PLAT APPROVAL FINAL PLAT APPROVAL  BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY (PERM.) CERTIFICATE OF OCCUPANCY (TEMP.) X. ROUGH GRADING PERMIT APPROVAL PAVING PERMIT APPROVAL WORK ORDER (CHANGE ORDER) APPROVAL OTHER (DRC HYDROLOGY APPROVAL)			
WAS A PRE-DESIGN CONFERENCE ATTENDED: YES NO COPY PROVIDED	JUL 2 5 2007  HYDROLOGY SECTION			
DATE SUBMITTED: 7-24-07	BY: Jeff Mulbery/mb			

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of 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 subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



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

June 25, 2007

Curtis A Cherne, E.I.
Engineering Associate, Planning Dept.
Development and Building Services
City of Albuquerque
P. O. Box 1293
Albuquerque, NM 87103

Re: Mesa del Sol Elevated Water Tank Grading and Drainage Plan (R16/D096) Engineer's Stamp dated 7-9-07 (Resubmitted Engineer's Stamp dated 7-24-07)

#### Dear Curtis:

Based upon the comments provided in your letter dated July 16, 2007, the Grading and Drainage plan for the above referenced project has been updated to meet the requirements for Site Development action by the DRB, Rough Grading and Foundation Permit approval. The following revisions have been addressed:

- The access road to the site has been revised on all sheets. The access road is currently located east of the trail. In addition the power pole has been shown correctly on the Site Access Plan. The Grading Plan shows this pole in the correct location.
- 2. A maintenance agreement will be obtained by PNM/ABCWAU for the access road.
- 3. Inverts for the 2-36" RCP storm drain connecting the regional retention pond together was provided.
- 4. The rip rap specification call-out was revised and corrected.
- 5. An invert for the rundown in the south pond was provided.
- 6. Volumes for the design volume required and the volume provided have been shown on sheet

If you have questions or require further information, please contact me at 823-1000.

Sincerely,

Michael Balaskovits, E.I.

Engineer

Community Development and Planning

MJB/cc Enclosures

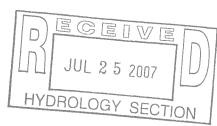
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## CITY OF ALBUQUERQUE



July 16, 2007

Jeffrey L. Mulberry, P.E. Bohannan Huston, Inc. 7500 Jefferson NE – Courtyard 1 Albuquerque, NM 87109



Re: Mesa Del Sol Elevated Water Tank Grading and Drainage Plan Engineer's Stamp dated 7-9-07 (R16/D096)

Dear Mr. Mulberry,

Based upon the information provided in your submittal dated 7-9-07, the above referenced plan cannot be approved for Site Development action by the DRB, Rough Grading Permit or Foundation Permit.

P.O. Box 1293

Concerning Site Development approval by the DRB:

Albaquerque

New Mexico 87103

www.cabq.gov

- The Site Access Plan shows the access road in the bottom of the swale leading to the regional pond, while the grading plan shows the access road on the east shoulder of the swale. The location east of the swale is preferable. The Site Access Plan also shows the power pole in the drainage tract, whereas the Grading Plan depicts it outside of the drainage tract.
- The access road in the drainage tract should be maintained by PNM/ABCWAU. A maintenance agreement is required.

Concerning Rough Grading and Foundation Permits:

- More information is required before the ponds can be graded and related infrastructure can be built.
  - o Inverts are required for the 2-36" RCP storm drain connecting the two ponds. In addition show the pipe ends in both ponds.
  - o Which COA STD SPEC are you planning on using for the Rip Rap rundowns? What is Type VL? Is "1" thick" a typo?
  - o Provide an invert for the rundown into the south pond.
  - o Provide new volumes of the two ponds.
- It appears that grading of the site is integral with grading of the ponds and since more information is required before grading the ponds, the site should not be graded until approval is given to grade the ponds.

# CITY OF ALBUQUERQUE



If you have any questions, you can contact me at 924-3695.

Sincerely,

Curtis A. Cherne, P.E.

Engineering Associate, Planning Dept. Development and Building Services

C: file

**Brad Bingham** 

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

# **Bohannan** ▲ **Huston** ⊌

### **CLIENT/COURIER TRANSMITTAL**

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

To:	Curtis Cherne 600 Second St.	Requested by:	Mike Balaskovits
	Albuquerque, NM 87102	Date:	July 25, 2007
Dhana	004 2005	Time Due:	<ul><li>☐ This A.M.</li><li>☐ This P.M.</li><li>☐ Rush</li><li>☐ By Tomorrow</li></ul>
Phone: Job No.:	924-3695 070204	Job Name:	Elevated Water Reservoir
JOD NO.:	070204	Job Name:	Elevated water Reservoir
DE Cour Mail	☐ UPS	PICK Item:	<u>UP</u>
ITEM NO.     QUANTITY     DESCRIPTION       1     1     Drainage Information Sheet       2     1     COA Comment Letter Sent 7-16-07       3     1     Reply to COA Comment Letter (Dated 7-25-07)       4     3 Sheets     Resubmittal of grading and drainage plan (Engineering Stamp Date 7-24-07)			
COMMENTS / INSTRUCTIONS			
Curtis,			ML 2 E
Attached is the resubmittal for the Elevated Water Reservoir submittal requesting site plan approval for DRB action approval, Foundation permit approval and rough grading approval. If you have any questions, don't hesitate to contact Jeff Mulbery or myself Thanks.			
Mike Balasko	ovits		4)
REC'D BY:_	DAT	E: T	ENGINEERING A IME:SPATIAL VATA A
			ADVANCED TECHNOLOGIES A

