CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director

Mayor Richard J. Berry

December 21, 2015

Conrad Ley, P.E.
Wilson & Company
4900 Lang Ave NE
Rio Rancho, New Mexico 87109

Re: Lead Avenue Residences
2122 Lead Avenue SE
Request for Permanent C.O. - Accepted
Engineer's Stamp dated: 12-22-14 (K15D094)
Certification dated: 12-21-15

Dear Mr. Ley,

Based on the Certification received 12/21/2015, the Lead Avenue Residences is acceptable for permanent release of Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3695 or Totten Elliott at 924-3982.

Sincerely,

Rita Harmon, P.E.
Senior Engineer, Hydrology
Planning Department

TE/RH
C: email

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

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: Lead Avenue Residences Building Permit #: T201492679 City Drainage #: K15D094

DRB#: N/A EPC#: N/A Work Order#: N/A

Legal Description: Lot 6, Block 4, Buena Vista Heights Subdivision

City Address: 2122 Lead Avenue SE Albuquerque NM 87106

Engineering Firm: Wilson & Company Contact: Conrad Ley

Address: 4900 Lang Ave. NE Albuquerque, NM 87109

Phone#: 505.348.4000 Fax#: 505.348.4055 E-mail: conrad.ley@wilsonco.com

Owner: Dr. Charles Chiang Contact:

Address: 402 Coyote Canyon Dr. Gallup, NM 87301

Phone#: Fax#: E-mail:

Architect: Mullen Heller Architecture Contact: Doug Heller

Address: 1718 Central Ave SW Suite D

Phone#: 505.268.4144 Fax#: 268.4244 E-mail: doug@mullenheller.com

Other Contact: Insight Construction Contact: Damian Chimenti

Address: PO Box 6653 Albuquerque, NM 87197

Phone#: 505.888.7927 Fax#: E-mail:

Check all that Apply:

DEPARTMENT:

X HYDROLOGY/ DRAINAGE
____ TRAFFIC/ TRANSPORTATION
____ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

X ENGINEER/ ARCHITECT CERTIFICATION

____ CONCEPTUAL G & D PLAN
____ GRADING PLAN
____ DRAINAGE MASTER PLAN
____ DRAINAGE REPORT
____ CLOMR/LOMR

____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ TRAFFIC IMPACT STUDY (TIS)
____ EROSION & SEDIMENT CONTROL PLAN (ESC)

____ OTHER (SPECIFY) _____

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

____ BUILDING PERMIT APPROVAL
X CERTIFICATE OF OCCUPANCY

____ PRELIMINARY PLAT APPROVAL
____ SITE PLAN FOR SUB'D APPROVAL
____ SITE PLAN FOR BLDG. PERMIT APPROVAL
____ FINAL PLAT APPROVAL
____ SIA/ RELEASE OF FINANCIAL GUARANTEE
____ FOUNDATION PERMIT APPROVAL
____ GRADING PERMIT APPROVAL
____ SO-19 APPROVAL
____ PAVING PERMIT APPROVAL
____ GRADING/ PAD CERTIFICATION
____ WORK ORDER APPROVAL
____ CLOMR/LOMR

____ PRE-DESIGN MEETING
____ OTHER (SPECIFY) _____

RECEIVED
DEC 21 2015
LAND DEVELOPMENT SECTION

IS THIS A RESUBMITTAL?: X Yes ____ No

DATE SUBMITTED: 12/21/15 By: Conrad Ley

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ___

CITY OF ALBUQUERQUE

December 21, 2015

Jeff Wooten, PE
Wooten Engineering
1005 21st St, SE
Rio Rancho, NM 87124

Re: T-Mobile Store #288
5350 Academy Rd. NW
Request Permanent C.O. - Accepted
Engineer's Stamp dated: 8-13-15 (E18D030A)
Certification dated: 12-21-15

Dear Mr. Wooten,

Based on the Certification received 12/21/2015, the site is acceptable for release of Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3686 or Totten Elliott at 924-3982.

Sincerely,

Abiel Carrillo, P.E.
Principal Engineer, Planning Department
Development and Review Services

TE/AC
C: email

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

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: New T-Mobile Store #288 Building Permit #: _____ City Drainage #: EPBD030A

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

Legal Description: Tract A, North Academy Business Park

City Address: 5350 Academy Road NW

Engineering Firm: Wooten Engineering Contact: Jeff Wooten

Address: 1005 21st Street SE, Suite B1, Rio Rancho, NM 87124

Phone#: 505-980-3560 Fax#: N/A E-mail: jeffwooten.pe@gmail.com

Owner: _____ Contact: _____

Address: _____

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

Architect: DSA Architects Contact: Craig Calvert

Address: 4700 Lincoln NE, Suite 111, ABQ, NM, 87109

Phone#: 505-342-6200 Fax#: _____ E-mail: craigc@dsaabq.com

Surveyor: Harris Surveying Contact: Tony Harris

Address: 2412 Monroe NE, Suite D, 87110

Phone#: 505-889-8056 Fax#: _____ E-mail: tony@harrissurveying.com

Contractor: Insight Construction Contact: Damian Chimenti

Address: PO Box 6653, ABQ, 87197

Phone#: 505-888-7927 Fax#: _____ E-mail: damian@insightnm.com

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT
____ DRAINAGE PLAN 1st SUBMITTAL
____ DRAINAGE PLAN RESUBMITTAL
____ CONCEPTUAL G & D PLAN
____ GRADING PLAN
____ EROSION & SEDIMENT CONTROL PLAN (ESC)
X 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)

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
X CERTIFICATE OF OCCUPANCY (PERM)
____ CERTIFICATE OF OCCUPANCY (TCL TEMP)
____ FOUNDATION PERMIT APPROVAL
____ BUILDING PERMIT APPROVAL
____ GRADING PERMIT APPROVAL ____ SO-19 APPROVAL
____ PAVING PERMIT APPROVAL ____ ESC PERMIT APPROVAL
____ WORK ORDER APPROVAL ____ ESC CERT. ACCEPTANCE
X GRADING CERTIFICATION ____ OTHER (SPECIFY)

RECEIVED
DEC 21 2015
LAND DEVELOPMENT SECTION

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

DATE SUBMITTED: December 21, 2015 By: Jeff Wooten, P.E.

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 followin

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

CITY OF ALBUQUERQUE

November 17, 2015

Conrad Ley, P.E.
Wilson & Company
4900 Lang Ave NE
Rio Rancho, New Mexico 87109

Re: Lead Avenue Residence
2122 Lead Ave. SE
Request 60-Day Temporary C.O. - Accepted
Engineer's Stamp dated: 12-22-14 (K15D094)
Certification dated: 11-13-15

Dear Mr. Ley,

Based on the Certification received 11/13/2015, the above named Lead Avenue Residence is acceptable for 60-day Temporary release of Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3695 or Totten Elliott at 924-3982.

Sincerely,

Rita Harmon, P.E.
Principal Engineer, Hydrology
Planning Department

TE/RH
C: email

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

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: Lead Avenue Residences Building Permit #: T201492679 City Drainage #: K15D094

DRB#: N/A EPC#: N/A Work Order#: N/A

Legal Description: Lot 6, Block 4, Buena Vista Heights Subdivision

City Address: 2122 Lead Avenue SE Albuquerque NM 87106

Engineering Firm: Wilson & Company Contact: Conrad Ley

Address: 4900 Lang Ave. NE Albuquerque, NM 87110

Phone#: 505.348.4133 Fax#: E-mail: conrad.ley@wilsonco.com

Owner: Dr. Charles Chiang Contact:

Address: 402 Coyote Canyon Dr. Gallup, NM 87301

Phone#: Fax#: E-mail:

Architect: Mullen Heller Architecture Contact: Doug Heller

Address: 1718 Central Ave SW Suite D Albuquerque, NM 87102

Phone#: 505.268.4144 Fax#: 268.4244 E-mail: doug@mullenheller.com

Other Contact: Insight Construction Contact: Damian Chimenti

Address: PO Box 6653, Albuquerque, NM 87197

Phone#: 505.888.7927 Fax#: E-mail:

Check all that Apply:

DEPARTMENT:

X HYDROLOGY/ DRAINAGE
____ TRAFFIC/ TRANSPORTATION
____ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

X ENGINEER/ ARCHITECT CERTIFICATION

____ CONCEPTUAL G & D PLAN
____ GRADING PLAN
____ DRAINAGE MASTER PLAN
____ DRAINAGE REPORT
____ CLOMR/LOMR

____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ TRAFFIC IMPACT STUDY (TIS)
____ EROSION & SEDIMENT CONTROL PLAN (ESC)

____ OTHER (SPECIFY) _____

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

____ BUILDING PERMIT APPROVAL
X CERTIFICATE OF OCCUPANCY TEMP 90

____ PRELIMINARY PLAT APPROVAL
____ SITE PLAN FOR SUB'D APPROVAL
____ SITE PLAN FOR BLDG. PERMIT APPROVAL
____ FINAL PLAT APPROVAL
____ SIA/ RELEASE OF FINANCIAL GUARANTEE
____ FOUNDATION PERMIT APPROVAL
____ GRADING PERMIT APPROVAL
____ SO-19 APPROVAL
____ PAVING PERMIT APPROVAL
____ GRADING/ PAD CERTIFICATION
____ WORK ORDER APPROVAL
____ CLOMR/LOMR

____ PRE-DESIGN MEETING
____ OTHER (SPECIFY) _____

RECEIVED
NOV 13 2015
AMAFCA DEVELOPMENT SECTION

IS THIS A RESUBMITTAL?: ____ Yes X No

DATE SUBMITTED: 11/13/15 By: CONRAD LEY

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ___

WILSON &COMPANY

Arizona
California
Colorado
Florida
Kansas
Missouri
Nebraska
New Mexico
Oklahoma
Texas
Utah

Transmittal

Date: 11/13/15

To: Rita Harmon
City of Albuquerque Planning Deptartment
Plaza Del Sol

From: Conrad Ley

File No:

Phase: **Task:**

Dept: 8100/TRN

Project: Lead Avenue Duplexes

Telephone:

Sent via: ☐Ground ☐2nd Day ☐Overnight ☐US Mail

We Transmit:
- ☒ Attached
- ☐ Under separate cover via
- ☐ In accordance with your request

For Your:
- ☒ Approval
- ☐ Review and Comment
- ☐ Use
- ☒ Distribution to parties
- ☐ Record
- ☐ Information

The Following:
- ☐ Drawings
- ☐ Prints
- ☐ Specifications
- ☐ Change Order
- ☐ Shop Drawing Prints
- ☐ Other

Copies	Date	No.	Description
1	11/13/15		22"X36" Drainage Plan with Signature for Temporary Cert. of Occupancy
1	11/13/15		Drainage and Transportation Information Sheet

Comments:

Copies To:

Signature

CITY OF ALBUQUERQUE

Planning Department
Transportation Development Services

November 12, 2015

Doug Heller
Mullen Heller Architecture, P.C.
1718 Central Ave., SW Suite D
Albuquerque, NM 87104

Re: Lead Avenue Residences
2122 Lead Ave., SE
Request for Certificate of Occupancy- Transportation Development
Engineer's/Architect's Stamp dated 11-4-14 (K15-D094)
Certification dated 11-12-15

Dear Mr. Heller,

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 11-12-15, Transportation Development has no objection to the issuance of a Permanent Certificate of Occupancy. This letter serves as a "green tag" from Transportation Development for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

If you have any questions, please contact Gary Sandoval at (505) 924-3675 or me at (505)924-3991.

Sincerely,

Racquel M. Michel, P.E.
Traffic Engineer, Planning Dept.
Development Review Services

\gs via: email
C: CO Clerk, File

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Lead Avenue Residences Building Permit #: T201492679 City Drainage #: K15D094

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

Legal Description: LOTS 6, BLOCK 4 BUENA VISTA HEIGHTS

City Address: 2122 Lead Ave SE., Albuquerque, NM 87106

Engineering Firm: _____ Contact: _____

Address: _____

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

Owner: Dr. Charles Chiang Contact: C/O: Doug Heller

Address: 402 Coyote Canyon Dr. Gallup, NM 87301

Phone#: _____ Fax#: _____ E-mail: doug@mullenheller.com

Architect: Mullen Heller Architecture P.C Contact: Antonio Vigil

Address: 1718 Central Avenue SW, Suite D Albuquerque, NM 87104

Phone#: 505-268-4144 Fax#: 505-268-4244 E-mail: antonio@mullenheller.com

Surveyor: _____ Contact: _____

Address: _____

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

Contractor: Insight Construction Contact: _____

Address: 3909 12th St. Albuquerque, New Mexico 87107

Phone#: 505-888-7927 Fax#: _____ E-mail: _____

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)
X ENGINEER'S CERT (TCL)
____ ENGINEER'S CERT (DRB SITE PLAN)
____ ENGINEER'S CERT (ESC)
____ SO-19
____ OTHER (SPECIFY)

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
X 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)

RECEIVED
NOV 12 2015
AND DEVELOPMENT SECTION

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

DATE SUBMITTED: November 12, 2015 By: Doug Heller

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 followin

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

November 12, 2015

Racquel Michel, P.E., Transportation Development
Planning Department
Development and Building Services Division
City of Albuquerque
600 2nd Street NW.
Albuquerque, NM 87102

Re: **Permanent Certificate of Occupancy for**
Lead Avenue Residences
Address: 2122 Lead Avenue SE., Albuquerque, NM 87106

Dear Ms. Racquel Michel:

I, Douglas Heller, NMRA of Mullen Heller Architecture P.C., hereby certify that this project is in substantial compliance with and in accordance with the design intent of the Approved Traffic Circulation Layout on December 31, 2014.

I further certify that I have personally visited the project site on November 4, 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 Engineer's Certification (TCL approved Site Plan) for Permanent Certificate of Occupancy.

The record information presented herein is not necessarily complete and intended only to verify substantial compliance of the traffic aspects of this project. Those relying on the record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Please feel free to contact me if you have any questions.

Sincerely,
Mullen Heller Architecture PC

Douglas Heller, AIA
Attachment: Approved Traffic Circulation Layout – with revision redlines

STATE OF NEW MEXICO
JOHN DOUGLAS HELLER
NO. 2827
11/12/15
REGISTERED ARCHITECT

RECEIVED
NOV 12 2015
LAND DEVELOPMENT SECTION

TRANSMITTAL LETTER

PROJECT: **Lead Avenue Townhomes**
2122 Lead Avenue, SE.
Albuquerque, New Mexico 87114

Project No.: 10-26
Date: November 14, 2015

TO: **City of Albuquerque – Transportation Development**
Planning Department
Development & Building Services Division
600 2nd Street, NW.
Albuquerque, NM 87102
ATTN: **Racquel Michel, P.E. – Traffic Engineer**
CC: **File**
Phone #: **(505) 924-3991**
SIGNED: **Antonio Vigil**

WE TRANSMIT:	FOR YOUR:	THE FOLLOWING:	VIA:
☒ HEREWITH	☐ APPROVAL	☐ DRAWINGS	☐ REGULAR MAIL
☐ UNDER SEPARATE COVER	☒ REVIEW AND COMMENT	☐ LETTER(S)	☐ FEDERAL EXPRESS
☐ IN ACCORDANCE WITH YOUR REQUEST	☐ RECORD	☐ SHOP DRAWINGS	☐ FAX
	☐ USE	☒ OTHER – **Engineer's Cert.**	☒ HAND PICKUP/DELIVERY

COPIES	DATE	DESCRIPTION
1 copy	11/12/2015	Engineer's Certification Letter for TCL approved Site Plan for Permanent Certificate of Occupancy
1 copy	11/12/2015	Approved TCL drawing with redlines
1 copy	11/12/2015	City of Albuquerque Transportation Information Sheet

RECEIVED
NOV 12 2015
LAND DEVELOPMENT SECTION

REMARKS

Mullen Heller Architecture PC

1718 Central Ave SW Suite D Albuquerque NM 87104
505 268 4144 [p] 505 268 4244 [f]

Verbal NO
10/15/15 G.S.
* Must pave alley way per original TCL BP Approved dwgs.

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Lead Avenue Residences Building Permit #: T201492679 City Drainage #: K15D094

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

Legal Description: LOTS 6, BLOCK 4 BUENA VISTA HEIGHTS

City Address: 2122 Lead Ave SE., Albuquerque, NM 87106

Engineering Firm: _____ Contact: _____

Address: _____

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

Owner: Dr. Charles Chiang Contact: C/O: Doug Heller

Address: 402 Coyote Canyon Dr. Gallup, NM 87301

Phone#: _____ Fax#: _____ E-mail: doug@mullenheller.com

Architect: Mullen Heller Architecture P.C Contact: Antonio Vigil

Address: 1718 Central Avenue SW, Suite D Albuquerque, NM 87104

Phone#: 505-268-4144 Fax#: 505-268-4244 E-mail: antonio@mullenheller.com

Surveyor: _____ Contact: _____

Address: _____

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

Contractor: Insight Construction Contact: _____

Address: 3909 12th St. Albuquerque, New Mexico 87107

Phone#: 505-888-7927 Fax#: _____ E-mail: _____

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
X TRAFFIC CIRCULATION LAYOUT (TCL)
____ ENGINEER'S CERT (TCL)
____ ENGINEER'S CERT (DRB SITE PLAN)
____ ENGINEER'S CERT (ESC)
____ SO-19
____ OTHER (SPECIFY)

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
X CERTIFICATE OF OCCUPANCY (PERM)
____ CERTIFICATE OF OCCUPANCY (TCL TEMP)
____ FOUNDATION PERMIT APPROVAL
X BUILDING PERMIT APPROVAL REVISION
____ GRADING PERMIT APPROVAL
____ PAVING PERMIT APPROVAL
____ WORK ORDER APPROVAL
____ GRADING CERTIFICATION
____ SO-19 APPROVAL
____ ESC PERMIT APPROVAL
____ ESC CERT. ACCEPTANCE
____ OTHER (SPECIFY)

RECEIVED
OCT 09 2015
LAND DEVELOPMENT SECTION

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

DATE SUBMITTED: October 5, 2015 By: Doug Heller

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 followin

1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
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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

For more current information and more details visit: http://www.cabq.gov/gis

Albuquerque Geographic Information System

Map amended through: 2/1/2010

RECEIVED
OCT 09 2015
LAND DEVELOPMENT SECTION

Note: Grey Shading represents Area Outside of City Limits

Zone Atlas Page:

K-15-Z

Selected Symbols

- SECTOR PLANS
- Design Overlay Zones
- City Historic Zones
- H-1 Buffer Zone
- Petroglyph Mon.
- Escarpment
- 2 Mile Airport Zone
- Airport Noise Contours
- Wall Overlay Zone

0 750 1,500 Feet

CITY OF ALBUQUERQUE

December 30, 2014

Mr. Conrad Ley, PE
Wilson & Company
4900 Lang Ave NE
Albuquerque, NM 87109

Re: Lead Avenue Townhomes
Grading and Drainage Plan
Engineer's Date 12-22-14 (K15D094)

Dear Mr. Ley,

Based upon the information provided in your submittal received 12-22-14, the above referenced plan is approved for Building Permit and SO-19.

The SO-19 Permit is required for construction within the City Right of Way. A copy of this approval letter must be on hand when applying for the Excavation Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

If you have any questions, you can contact me at 924-3994.

Sincerely,

Amy L. D. Niese, P.E.
Senior Engineer, Hydrology
Planning Department

C: e-mail
file

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003)

PROJECT TITLE: LEAD AVENUE TOWNHOMES ZONE MAP/DRG. FILE#: K-15 K15D094

DRB#: _____ EPC#: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: **LOT 6, BLOCK 4, BUENA VISTA HEIGHTS, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO**

CITY ADDRESS: **2122 LEAD AVENUE, SE. 87106**

ENGINEERING FIRM: WILSON & COMPANY CONTACT: CONRAD LEY
ADDRESS: 4900 LANG AVENUE, NE PHONE: (505) 348-4133
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

OWNER: DR. CHARLES CHIANG CONTACT: ROBERT THOMAS
ADDRESS: 402 COYOTE CANYON DR PHONE: (505) 268-4144
CITY, STATE: GALLUP, NEW MEXICO ZIP CODE: 87301

ARCHITECT: MULLEN HELLER ARCHITECTURE CONTACT: ANTONIO VIGIL
ADDRESS: 924 PARK AVENUE SW PHONE: (505) 268-4144
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87102

SURVEYOR: HARRIS SURVEYING CONTACT: ANTHONY HARRIS #11463
ADDRESS: 2412-D MONROE ST NE PHONE: (505) 889-8645
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87110

CONTRACTOR: INSIGHT CONSTRUCTION CONTACT: DAMIAN CHIMENTI
ADDRESS: 3909 12TH STREET PHONE: (505) 888-7927
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87107

CHECK TYPE OF SUBMITTAL:

DRAINAGE REPORT

X DRAINAGE PLAN 1st SUBMITTAL, REQUIRES TCL OR EQUAL
___ CONCEPTUAL GRADING & DRAINAGE PLAN
___ GRADING PLAN
___ EROSION CONTROL PLAN
___ ENGINEERS CERTIFICATION (HYDROLOGY)
___ CLOMR\LOMR
___ TRAFFIC CIRCULATION LAYOUT (TCL)
___ ENGINEERS CERTIFICATION (TCL)
___ ENGINEERS CERTIFICATION (DRB, APPR. SITE PLAN)
X OTHER: SO-19 REVIEW

CHECK TYPE OF APPROVAL SOUGHT:

SIA / FINANCIAL GUARANTEE RELEASE

___ PRELIMINARY PLAT APPROVAL
___ S. DEV. PLAN FOR SUB'D. APPROVAL
___ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
___ SECTOR PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ FOUNDATION PERMIT APPROVAL
X BUILDING PERMIT APPROVAL
___ CERTIFICATION OF OCCUPANCY (PERM.)
___ CERTIFICATION OF OCCUPANCY (TEMP.)
___ GRADING PERMIT APPROVAL
___ PAVING PERMIT APPROVAL
___ WORK ORDER APPROVAL
X OTHER (SO-19)

WAS A PRE-DESIGN CONFERENCE ATTENDED:

___ YES
X NO
___ COPY PROVIDED

RECEIVED 12/22/14

Date Submitted: DECEMBER 22, 2014 By: CONRAD LEY

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
2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5)
3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

$Q_{out} = 0.67$ cfs $A_D = 0.10$ Ac

WILSON &COMPANY

4900 Lang Ave. NE
Albuquerque, NM 87109
P.O. Box 94000, 87199-4000
505-348-4000
505-348-4055 Fax

TRANSMITTAL LETTER

Albuquerque
Colorado Springs
Denver
El Paso
Fort Worth
Houston
Kansas City
Las Cruces
Lenexa
Pasadena
Phoenix
Rio Rancho
Salina
San Bernardino

Wilson & Company
Latin America, LLC

To: City of Albuquerque Hydrology
600 Second NW
Albuquerque, NM 87102

Date: 22 December 2014
File No.:
Task Code:

Attn: Amy Niese

Project Name: Lead Ave. Townhomes

We are sending you:
- [X] Attached
- [ ] Under separate cover via

The following items:

- [X] Originals
- [ ] Prints
- [ ] Submittals
- [ ] Plans
- [ ] Samples
- [ ] Specifications
- [ ] Copy of letter
- [ ] Change order
- [ ] Other:

Copies	Date	Description
2	12/1/14	Grading and Drainage Plan – Full Size (22" x 34")

These are transmitted as checked below:

- [X] For approval
- [ ] For your use
- [ ] As required
- [ ] For review & comment
- [ ] Approved as submitted
- [ ] Approved as noted
- [ ] Returned for corrections
- [ ] Other:
- [ ] Resubmit ___ copies for review
- [ ] Submit ___ copies for distribution
- [ ] Return ___ corrected prints

Remarks:

Action Requested: Please sign below and return a copy

Copies to:

Signed: Conrad Fey

RECEIVED
DEC 22 2014
LAND DEVELOPMENT SECTION

Recipient Signature:

Dated:

Worksheet for Triangular Channel - 1

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Roughness Coefficient	0.041	
Channel Slope	0.00800	ft/ft
Normal Depth	0.67	ft
Left Side Slope	3.00	ft/ft (H:V)
Right Side Slope	3.00	ft/ft (H:V)

Results

Discharge	2.03	ft^3/s
Flow Area	1.35	ft^2
Wetted Perimeter	4.24	ft
Hydraulic Radius	0.32	ft
Top Width	4.02	ft
Critical Depth	0.49	ft
Critical Slope	0.04196	ft/ft
Velocity	1.51	ft/s
Velocity Head	0.04	ft
Specific Energy	0.71	ft
Froude Number	0.46	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.67	ft
Critical Depth	0.49	ft
Channel Slope	0.00800	ft/ft
Critical Slope	0.04196	ft/ft

Worksheet for Circular Pipe - 1

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Roughness Coefficient	0.010	
Channel Slope	0.01000	ft/ft
Normal Depth	0.33	ft
Diameter	0.33	ft

Results

Discharge	0.24	ft^3/s
Flow Area	0.09	ft^2
Wetted Perimeter	1.04	ft
Hydraulic Radius	0.08	ft
Top Width	0.00	ft
Critical Depth	0.28	ft
Percent Full	100.0	%
Critical Slope	0.00971	ft/ft
Velocity	2.82	ft/s
Velocity Head	0.12	ft
Specific Energy	0.45	ft
Froude Number	0.00	
Maximum Discharge	0.26	ft^3/s
Discharge Full	0.24	ft^3/s
Slope Full	0.01000	ft/ft
Flow Type	SubCritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%
Normal Depth Over Rise	100.00	%
Downstream Velocity	Infinity	ft/s

Worksheet for Circular Pipe - 1

GVF Output Data

Upstream Velocity	Infinity	ft/s
Normal Depth	0.33	ft
Critical Depth	0.28	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.00971	ft/ft

Cherne, Curtis

From: Cherne, Curtis
Sent: Thursday, January 15, 2015 10:26 AM
To: Harmon Rita T.; Niese, Amy; Rael, Rudy E.
Subject: pipe through curb detail

As you all know, the City has a standard drawing for a 4" pipe through the curb. Jason Rodriguez called me yesterday concerning a project where 2-4" pipes were shown on the drainage plan, but the engineer did not specify the minimum distance between the pipes. Clearly we don't want the pipes right next to each other.
A different engineer on a different project had specified 10" between the 2-4" pipes on a particular plan.

So.....
Jason and I came up with a minimum distance of 6" between the pipes and the rebar in the curb can go over the top of both of them. The engineer is to specify the minimum distance on the drainage plan for plan approval.
Jason will contact the engineer so the engineer can convey this info to the contractor. A note was put in the file.

Another one for the help file.

Curtis

CITY OF ALBUQUERQUE

December 15, 2014

Mr. Conrad Ley, PE
Wilson & Company
4900 Lang Ave NE
Albuquerque, NM 87109

Re: Lead Avenue Townhomes
Grading and Drainage Plan
Engineer's Date 12-1-14 (K15D094)

Dear Mr. Ley,

Based upon the information provided in your submittal received 12-2-14, the above referenced plan is not approved for Building Permit. Please address the following comments:

1. The proposed impervious area is 60%. The impervious area in the plan view is greater than that (approximately 75%). Please revise.
2. What is the height of the water in the swale? At the shallowest point next to the southern building, the swale has 0.08 feet of clearance between the invert and the Finished Floor of the building. The water surface elevation should be below the Finished Floor. In Keyed Note 4, the swale has a height of 0.0 feet to 0.75 feet. The minimum height of the swale should be at the water surface elevation. Will the water between the buildings be able to get into the swale? Provide more spot elevations to show how the water will drain.
3. Is the sidewalk on the southern end of the buildings flush with the asphalt or raised above the asphalt? The sidewalk is at 60.82, but the Finished Floor is at 60.75. The sidewalk should be sloping away from the building. The site historically flowed north. What are the elevations that the site is matching in the alley? How is the storm water going to drain north from the parking lot without going onto adjacent properties? How is the water being directed to the swale? Show more spot elevations. (Please note that it is highly unusual to give a northing and easting for the spot elevations. Simply place the elevations on the plan where needed.)
4. The difference between existing and proposed flows is not being detained. Why is that?
5. State the volume that is being provided for the First Flush. That volume should be a retention portion of the pond that is below the invert out elevation. Provide top and bottom of pond elevations on the plan in addition to the invert out elevation.
6. The area near the drain lines through curb is identified as a "no work area" on the plans. Please remove since the drain line work will need to be done with these plans as part of the SO-19.
7. Provide a legend for the line work. Some existing contour lines are not labeled. Please label. Tie in the proposed 61 contour with existing.

PO Box 1293

Albuquerque

New Mexico 87103

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CITY OF ALBUQUERQUE

8. On the DTIS, select drainage submittal. (The certification is for after the grading and drainage is constructed.) For the requested approval, specify an S0-19 review on the "Other" line.

If you have any questions, you can contact me at 924-3994.

Sincerely,

Amy L. D. Niese, P.E.
Senior Engineer, Hydrology
Planning Department

C: e-mail
file

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003)

PROJECT TITLE: LEAD AVENUE TOWNHOMES ZONE MAP/DRG. FILE#: K-15 K15D094

DRB#: _____ EPC#: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: **LOT 6, BLOCK 4, BUENA VISTA HEIGHTS, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO**

CITY ADDRESS: **2122 LEAD AVENUE, SE. 87106**

ENGINEERING FIRM: WILSON & COMPANY CONTACT: CONRAD LEY
ADDRESS: 4900 LANG AVENUE, NE PHONE: (505) 348-4133
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

OWNER: DR. CHARLES CHIANG CONTACT: ROBERT THOMAS
ADDRESS: 402 COYOTE CANYON DR PHONE: (505) 268-4144
CITY, STATE: GALLUP, NEW MEXICO ZIP CODE: 87301

ARCHITECT: MULLEN HELLER ARCHITECTURE CONTACT: ANTONIO VIGIL
ADDRESS: 924 PARK AVENUE SW PHONE: (505) 268-4144
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87102

SURVEYOR: HARRIS SURVEYING CONTACT: ANTHONY HARRIS #11463
ADDRESS: 2412-D MONROE ST NE PHONE: (505) 889-8645
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87110

CONTRACTOR: INSIGHT CONSTRUCTION CONTACT: DAMIAN CHIMENTI
ADDRESS: 3909 12TH STREET PHONE: (505) 888-7927
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87107

CHECK TYPE OF SUBMITTAL:

DRAINAGE REPORT

___ DRAINAGE PLAN 1st SUBMITTAL, REQUIRES TCL OR EQUAL
___ CONCEPTUAL GRADING & DRAINAGE PLAN
___ GRADING PLAN
___ EROSION CONTROL PLAN
_X_ ENGINEERS CERTIFICATION (HYDROLOGY)
___ CLOMR\LOMR
___ TRAFFIC CIRCULATION LAYOUT (TCL)
___ ENGINEERS CERTIFICATION (TCL)
___ ENGINEERS CERTIFICATION (DRB, APPR. SITE PLAN)
___ OTHER:

CHECK TYPE OF APPROVAL SOUGHT:

SIA / FINANCIAL GUARANTEE RELEASE

___ PRELIMINARY PLAT APPROVAL
___ S. DEV. PLAN FOR SUB'D. APPROVAL
___ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
___ SECTOR PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ FOUNDATION PERMIT APPROVAL
_X_ BUILDING PERMIT APPROVAL
___ CERTIFICATION OF OCCUPANCY (PERM.)
___ CERTIFICATION 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

RECVD 12/2/14

Date Submitted: DECEMBER 1, 2014 By: CONRAD LEY

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
2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5)
3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

Worksheet for Triangular Channel - 1

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Roughness Coefficient	0.041	
Channel Slope	0.01000	ft/ft
Normal Depth	0.75	ft
Left Side Slope	2.75	ft/ft (H:V)
Right Side Slope	2.75	ft/ft (H:V)

Results

Discharge	2.80	ft^3/s
Flow Area	1.55	ft^2
Wetted Perimeter	4.39	ft
Hydraulic Radius	0.35	ft
Top Width	4.13	ft
Critical Depth	0.58	ft
Critical Slope	0.04025	ft/ft
Velocity	1.81	ft/s
Velocity Head	0.05	ft
Specific Energy	0.80	ft
Froude Number	0.52	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.75	ft
Critical Depth	0.58	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.04025	ft/ft

Worksheet for Circular Pipe - 1

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Roughness Coefficient	0.010	
Channel Slope	0.01000	ft/ft
Normal Depth	0.33	ft
Diameter	0.33	ft

Results

Discharge	0.24	ft^3/s
Flow Area	0.09	ft^2
Wetted Perimeter	1.04	ft
Hydraulic Radius	0.08	ft
Top Width	0.00	ft
Critical Depth	0.28	ft
Percent Full	100.0	%
Critical Slope	0.00971	ft/ft
Velocity	2.82	ft/s
Velocity Head	0.12	ft
Specific Energy	0.45	ft
Froude Number	0.00	
Maximum Discharge	0.26	ft^3/s
Discharge Full	0.24	ft^3/s
Slope Full	0.01000	ft/ft
Flow Type	SubCritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%
Normal Depth Over Rise	100.00	%
Downstream Velocity	Infinity	ft/s

Worksheet for Circular Pipe - 1

GVF Output Data

Upstream Velocity	Infinity	ft/s
Normal Depth	0.33	ft
Critical Depth	0.28	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.00971	ft/ft

Subd Des

Sidewalk D

Preliminary Plat

Include the access easement for the traffic circle on La Luz De Oeste.
AMAFCA will sign the Final Plat.
An approved drainage report, grading plan and infrastructure list are required.

SIGNED:

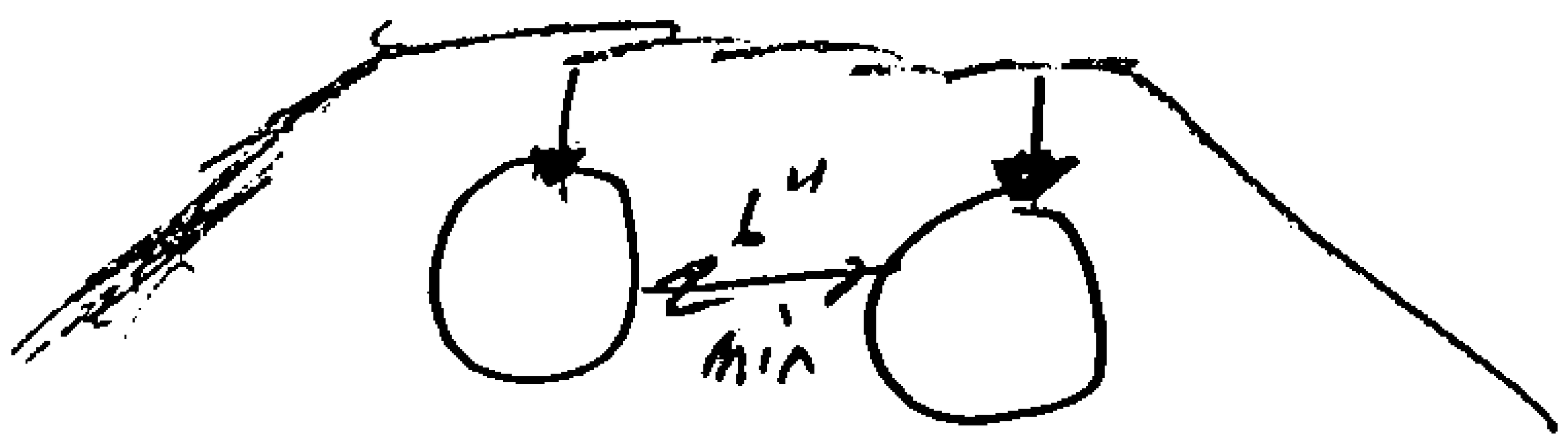
Curtis Cherne
Hydrology Section
City Engineer Designee
AMAFCA Designee
924-3986

DATE: 1-14-15

Wilson & Company

10' ~~[illegible]~~ lead across [illegible]

2 4" pipe doesn't cut out still drug



Modify detail 6" minimum between pipe

Jason Rodriguez to inform Engineer of minimum spacing between pipe

1-15-14

CITY OF ALBUQUERQUE

November 24, 2014

Mr. Conrad Ley, PE
Wilson & Company
4900 Lang Ave NE
Albuquerque, NM 87109

Re: Lead Avenue Townhomes
Grading and Drainage Plan
Engineer's Date 11-6-14 (K15D094)

Dear Mr. Ley,

Based upon the information provided in your submittal received 11-6-14, the above referenced plan is not approved for Building Permit. Please address the following comments:

1. Always include a FIRM Map or narrative of the 100 year Flood Plain. Reference the vicinity map the site is shown on.
2. Many items are lacking for the drainage analysis:
   A. Per Table A-2, the precipitation for this site is 2.35 inches not 2.2 inches.
   B. The Existing Conditions Table shows two basin 101s. Revise one of them and show them on the plan. A small image of those basins is sufficient.
   C. There is off-site flow coming onto the property. Determine the size of the area, the flow amount, and how it will be passed through the site.
   D. Identify the areas of all existing and proposed land treatment per Table A-4 of the DPM. Determine flow volumes based on weighted E calculated from the E for each land treatment from Table A-8 of the DPM. Calculate flows based on peak discharge amounts for each land treatment area from Table A-9. Detain the difference between existing and proposed flows.
   E. The First Flush was not discussed. Per the City Drainage ordinance, the 90th Percentile Storm Event, which is 44 inches, is to be managed. Reduce 0.44 inch by the 0.1 inch for the initial impervious abstraction in Table A-6 of Section 22 of the DPM. Multiply the remaining 0.34 inch by your impervious area. This is the amount of the First Flush necessary for the site. Show that amount on your plans. State the ponding volume that is being provided for the First Flush. Utilize landscaping areas for the ponding.
   F. Provide calculations for sizing your swale and discharge pipes. What is the slope of the swale? Call out rip-rap instead of gravel and provide a size.
   G. Include labels for all existing and proposed contours.
   H. Provide spot elevations throughout the site including ADA ramps and spaces, door locations, roof drain outlets, inverts for the swale and the outlet to Lead Avenue, and other critical points.
3. If the alley, which is City Right-of-Way, is being paved, construction plans will need to be submitted for Work Order. Call out standard City details for alley sections and pavement. The work for the drainage lines (and removal and replacement of City sidewalk) should be included in those plans also. If the paving

PO Box 1293
Albuquerque
New Mexico 87103
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of the alley is eliminated from the project, the drainage lines can be done by S0-19. Include standard S0-19 language and signature block on the plans and specify an S0-19 review on the DTIS.

If you have any questions, you can contact me at 924-3994.

Sincerely,

Amy L. D. Niese, P.E.
Senior Engineer, Hydrology
Planning Department

C: e-mail
file

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003)

PROJECT TITLE: LEAD AVENUE TOWNHOMES ZONE MAP/DRG. FILE#: K-15 K15D094

DRB#: _____ EPC#: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: **LOT 6, BLOCK 4, BUENA VISTA HEIGHTS, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO**

CITY ADDRESS: **2122 LEAD AVENUE, SE. 87106**

ENGINEERING FIRM: WILSON & COMPANY CONTACT: CONRAD LEY conrad.ley@wilsonco.com

ADDRESS: 4900 LANG AVENUE, NE PHONE: (505) 348-4133 ~~4795~~ 4288

CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

OWNER: DR. CHARLES CHIANG CONTACT: ROBERT THOMAS

ADDRESS: 402 COYOTE CANYON DR PHONE: (505) 268-4144

CITY, STATE: GALLUP, NEW MEXICO ZIP CODE: 87301

ARCHITECT: MULLEN HELLER ARCHITECTURE CONTACT: ANTONIO VIGIL

ADDRESS: 924 PARK AVENUE SW PHONE: (505) 268-4144

CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87102

SURVEYOR: HARRIS SURVEYING CONTACT: ANTHONY HARRIS #11463

ADDRESS: 2412-D MONROE ST NE PHONE: (505) 889-8645

CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87110

CONTRACTOR: INSIGHT CONSTRUCTION CONTACT: DAMIAN CHIMENTI

ADDRESS: 3909 12TH STREET PHONE: (505) 888-7927

CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87107

CHECK TYPE OF SUBMITTAL:

___ DRAINAGE REPORT
___ DRAINAGE PLAN 1st SUBMITTAL, REQUIRES TCL OR EQUAL
___ CONCEPTUAL GRADING & DRAINAGE PLAN
X GRADING PLAN
___ EROSION CONTROL PLAN
X ENGINEERS CERTIFICATION (HYDROLOGY)
___ CLOMR\LOMR
___ TRAFFIC CIRCULATION LAYOUT (TCL)
___ ENGINEERS CERTIFICATION (TCL)
___ ENGINEERS CERTIFICATION (DRB, APPR. SITE PLAN)
___ OTHER:

CHECK TYPE OF APPROVAL SOUGHT:

___ SIA / FINANCIAL GUARANTEE RELEASE
___ PRELIMINARY PLAT APPROVAL
___ S. DEV. PLAN FOR SUB'D. APPROVAL
___ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
___ SECTOR PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ FOUNDATION PERMIT APPROVAL
X BUILDING PERMIT APPROVAL
___ CERTIFICATION OF OCCUPANCY (PERM.)
___ CERTIFICATION 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 - 6 2014
LAND DEVELOPMENT SECTION

Date Submitted: NOVEMBER 5, 2014 By: CONRAD LEY

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
2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5)
3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

WILSON & COMPANY

4900 Lang Ave. NE
Albuquerque, NM 87109
P.O. Box 94000, 87199-4000
505-348-4000
505-348-4055 Fax

TRANSMITTAL LETTER

Albuquerque
Colorado Springs
Denver
El Paso
Fort Worth
Houston
Kansas City
Las Cruces
Lenexa
Pasadena
Phoenix
Rio Rancho
Salina
San Bernardino

Wilson & Company
Latin America, LLC

To: City of Albuquerque Hydrology
600 Second NW
Albuquerque, NM 87102

Date: 6 November 2014
File No.: 1410009000
Task Code:

Attn:

Project Name: Lead Avenue Townhomes

We are sending you:
- [X] Attached
- [ ] Under separate cover via

The following items:

[X] Originals	[ ] Plans	[ ] Copy of letter
[ ] Prints	[ ] Samples	[ ] Change order
[ ] Submittals	[ ] Specifications	[ ] Other:

Copies	Date	Description
2	11/5/2014	Grading and Drainage Plan –Full Size (22" x 34")

These are transmitted as checked below:

[X] For approval	[ ] Approved as submitted	[ ] Resubmit ___ copies for review
[ ] For your use	[ ] Approved as noted	[ ] Submit ___ copies for distribution
[ ] As required	[ ] Returned for corrections	[ ] Return ___ corrected prints
[X] For review & comment	[ ] Other:	

Remarks

Action Requested: Please sign below and return a copy

Copies to:

Signed:

Recipient Signature:

Dated:

RECEIVED
NOV - 6 2014
LAND DEVELOPMENT SECTION

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003)

PROJECT TITLE: LEAD AVENUE TOWNHOMES ZONE MAP/DRG. FILE#: K-15 K15D094

DRB#: _____ EPC#: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: **LOT 6, BLOCK 4, BUENA VISTA HEIGHTS, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO**

CITY ADDRESS: **2122 LEAD AVENUE, SE. 87106**

ENGINEERING FIRM: WILSON & COMPANY CONTACT: CONRAD LEY
ADDRESS: 4900 LANG AVENUE, NE PHONE: (505) 348-4133
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

OWNER: DR. CHARLES CHIANG CONTACT: ROBERT THOMAS
ADDRESS: 402 COYOTE CANYON DR PHONE: (505) 268-4144
CITY, STATE: GALLUP, NEW MEXICO ZIP CODE: 87301

ARCHITECT: MULLEN HELLER ARCHITECTURE CONTACT: ANTONIO VIGIL
ADDRESS: 924 PARK AVENUE SW PHONE: (505) 268-4144
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87102

SURVEYOR: HARRIS SURVEYING CONTACT: ANTHONY HARRIS #11463
ADDRESS: 2412-D MONROE ST NE PHONE: (505) 889-8645
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87110

CONTRACTOR: INSIGHT CONSTRUCTION CONTACT: DAMIAN CHIMENTI
ADDRESS: 3909 12TH STREET PHONE: (505) 888-7927
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87107

CHECK TYPE OF SUBMITTAL:

DRAINAGE REPORT

____ DRAINAGE PLAN 1st SUBMITTAL, REQUIRES TCL OR EQUAL
____ CONCEPTUAL GRADING & DRAINAGE PLAN
____ GRADING PLAN
____ EROSION CONTROL PLAN
_X_ ENGINEERS CERTIFICATION (HYDROLOGY)
____ CLOMR\LOMR
____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ ENGINEERS CERTIFICATION (TCL)
____ ENGINEERS CERTIFICATION (DRB, APPR. SITE PLAN)
____ OTHER:

CHECK TYPE OF APPROVAL SOUGHT:

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____ PRELIMINARY PLAT APPROVAL
____ S. DEV. PLAN FOR SUB'D. APPROVAL
____ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
____ SECTOR PLAN APPROVAL
____ FINAL PLAT APPROVAL
____ FOUNDATION PERMIT APPROVAL
_X_ BUILDING PERMIT APPROVAL
____ CERTIFICATION OF OCCUPANCY (PERM.)
____ CERTIFICATION 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

Date Submitted: DECEMBER 1, 2014 By: CONRAD LEY

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
2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5)
3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

Worksheet for Triangular Channel - 1

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Roughness Coefficient	0.041	
Channel Slope	0.01000	ft/ft
Normal Depth	0.75	ft
Left Side Slope	2.75	ft/ft (H:V)
Right Side Slope	2.75	ft/ft (H:V)

Results

Discharge	2.80	ft^3/s
Flow Area	1.55	ft^2
Wetted Perimeter	4.39	ft
Hydraulic Radius	0.35	ft
Top Width	4.13	ft
Critical Depth	0.58	ft
Critical Slope	0.04025	ft/ft
Velocity	1.81	ft/s
Velocity Head	0.05	ft
Specific Energy	0.80	ft
Froude Number	0.52	
Flow Type	Subcritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	0.75	ft
Critical Depth	0.58	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.04025	ft/ft

Worksheet for Circular Pipe - 1

Project Description

Friction Method	Manning Formula
Solve For	Discharge

Input Data

Roughness Coefficient	0.010	
Channel Slope	0.01000	ft/ft
Normal Depth	0.33	ft
Diameter	0.33	ft

Results

Discharge	0.24	ft^3/s
Flow Area	0.09	ft^2
Wetted Perimeter	1.04	ft
Hydraulic Radius	0.08	ft
Top Width	0.00	ft
Critical Depth	0.28	ft
Percent Full	100.0	%
Critical Slope	0.00971	ft/ft
Velocity	2.82	ft/s
Velocity Head	0.12	ft
Specific Energy	0.45	ft
Froude Number	0.00	
Maximum Discharge	0.26	ft^3/s
Discharge Full	0.24	ft^3/s
Slope Full	0.01000	ft/ft
Flow Type	SubCritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%
Normal Depth Over Rise	100.00	%
Downstream Velocity	Infinity	ft/s

Worksheet for Circular Pipe - 1

GVF Output Data

Upstream Velocity	Infinity	ft/s
Normal Depth	0.33	ft
Critical Depth	0.28	ft
Channel Slope	0.01000	ft/ft
Critical Slope	0.00971	ft/ft

.029 AC 43560 =

~~E~~ AC

ASSUME
$A_B = 25\%$
$A_D = 75\%$

$E_w = E_B A_B + E_D A_D / A_T =$ $\quad A_T = .161$

$= .25[.161 AC \cdot (43560\ SF/AC)].78 + .75[.161 AC (43560)]\ 2-12/.16$

$= 1368 + 11,151 / .161 = 12518 / .161 (43560) = 1.79$

$V_{100 YR} = (E_w/12) A_T = 1.79 IN/12\ IN/FT\ .161\ AC\ 43560\ SF/AC$

$= 1043\ CF$

$Q_p = .25(.161) AC\ 2.28^{Q_B}\ CFS/AC + .75(.161 AC)\ 4.70^{Q_D}\ CFS/AC$

$= .0918 + .548 = .66\ CFS$

FF $V_{FF} = .34\ IN\ (.75)(.161\ AC)\ 43560\ SF/AC = 1788\ CF$

IF ALLOWED TO DISCHARGE 2.75 CFS/AC

$2.75\ CFS/AC\ (.161\ AC) = .44\ CFS$

$E_w = .78[(.40)(.164) AC\ 43560\ SF/AC] + 2.12[.60(.164)(43560)] / .164$

$= (.0512 + .2086) / .164 = 1.58$ ✓

$V_{100 YR} = ((1.58/12)\ .164\ AC\ 43560\ SF/AC = 943\ CF = .022\ AC$

$Q_p = [.40(.164 AC)](2.28 CFS/AC) + .60(.164\ AC)\ 4.70 CFS/AC$

$= .1496 + .4625 = 0.612\ CFS$ ✓

$FF = .60\ (.164 AC)\ 43560\ SF/AC,\ .34\ IN / 12\ IN/FT = 1210F$

KISD094 Lead Ave Townhomes 11/24/14

L No FF

L No ref to Zone Atlas Page

L No FIRM MAP

L No spots - include spots for roof drain + swale

L What is Basin 101?

L Label exist contours + proposed CO

x CO does not match site plan - townhomes + courtyards

< 2.75 CFS/AC?

2.35 W Table A-2 not 2.2

$E_A = .53$ $E_B = .78$ $E_C = 1.13$ $E_D = 2.12$

$Q_P = 2.75 CFS/A \times 0.161 A = .44 CFS$ peak discharge

L Some offsite flow coming onto property

L Paving of alley will require CO

x Callout Swales

L Section A-A - Use RR instead of gravel - size
What slope is swale at - inverts

L Note e - call out paving

L Provide calcs for swale + drain lines
8019 for drain lines

WILSON &COMPANY

4900 Lang Ave. NE
Albuquerque, NM 87109
P.O. Box 94000, 87199-4000
505-348-4000
505-348-4055 Fax

TRANSMITTAL LETTER

Albuquerque
Colorado Springs
Denver
El Paso
Fort Worth
Houston
Kansas City
Las Cruces
Lenexa
Pasadena
Phoenix
Rio Rancho
Salina
San Bernardino

Wilson & Company
Latin America, LLC

To: City of Albuquerque Hydrology
600 Second NW
Albuquerque, NM 87102

Date: 1 December 2014
File No.:
Task Code:

Attn: Amy Niese

Project Name: Lead Ave. Townhomes

We are sending you:
- [X] Attached
- [ ] Under separate cover via

The following items:

- [X] Originals
- [ ] Prints
- [ ] Submittals
- [ ] Plans
- [ ] Samples
- [ ] Specifications
- [ ] Copy of letter
- [ ] Change order
- [ ] Other:

Copies	Date	Description
2	12/1/14	Grading and Drainage Plan – Full Size (22" x 34")

These are transmitted as checked below:

- [X] For approval
- [ ] For your use
- [ ] As required
- [ ] For review & comment
- [ ] Approved as submitted
- [ ] Approved as noted
- [ ] Returned for corrections
- [ ] Other:
- [ ] Resubmit ___ copies for review
- [ ] Submit ___ copies for distribution
- [ ] Return ___ corrected prints

Remarks:

Action Requested: Please sign below and return a copy

Copies to:

Signed: Conrad Frey

Recipient Signature:

Dated:

RECEIVED
DEC - 1 2014
LAND DEVELOPMENT SECTION

CITY OF ALBUQUERQUE

February 10, 2011

Michele Mullen, R.A.
Mullen Heller Architecture P.C.
924 Park Avenue SW. Suite B
Albuquerque, NM 87102

Re: Lead Avenue Town Homes, 2212 Lead Ave SW, Traffic Circulation Layout
Architect's Stamp dated 01-27-11 (K15-D094)

Dear Ms. Mullen,

The TCL submittal received 01-28-11 is approved for Building Permit. The plan is stamped and signed as approved. A copy of this plan will be needed for each of the building permit plans. Please keep the original to be used for certification of the site for final C.O. for Transportation. Public infrastructure or work done within City Right-of-Way shown on these plans is for information only and is not part of approval. A separate DRC and/or other appropriate permits are required to construct these items.

Prior to any certificate of occupancy approval, the following items must be completed:

- **The work order associated with the project must be completed and closed out. This project must be coordinated with the Lead-Coal improvements project. Please contact the project manager, Diane Sholtis (768-3838).**

If a temporary CO is needed, a copy of the original TCL that was stamped as approved by the City will be needed. This plan must include a statement that identifies the outstanding items that need to be constructed or the items that have not been built in "substantial compliance," as well as the signed and dated stamp of a NM registered architect or engineer. Submit this TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

When the site is completed and a final C.O. is requested, use the original City stamped approved TCL for certification. A NM registered architect or engineer must stamp, sign, and date the certification TCL along with indicating that the development was built in "substantial compliance" with the TCL. Submit this certification TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

Once verification of certification is completed and approved, notification will be made to Building Safety to issue Final C.O. To confirm that a final C.O. has been issued, call Building Safety at 924-3306.

Sincerely,

Kristal D. Metro, P.E.
Traffic Engineer, Planning Dept.
Development and Building Services

C: File

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

Metro, Kristal D.

From: Metro, Kristal D.
Sent: Friday, January 28, 2011 9:37 AM
To: 'Garcia, Savina G'; 'Mike Salvador'
Cc: Sholtis, Diane
Subject: RE: 2122 Lead Avenue - Town Home Development

Savina,
I've checked with the ABCWUA, and there is no water line in the alleyway, so the water services will continue to be off of Lead. The fire hydrant will need to be located within the City right of way or a public easement. Since Lead is an arterial roadway, ABCWUA will require a full work order for the hydrant. The hydrant work should be included with the work order for the paving of the alleyway. The designer for this project will need to coordinate with you regarding the timeline of their project.
Thanks,
Kristal Metro, City of Albuquerque Transportation Development

---

From: Garcia, Savina G [mailto:Savina.Garcia@wilsonco.com]
Sent: Friday, January 28, 2011 8:53 AM
To: 'Mike Salvador'
Cc: Sholtis, Diane; Metro, Kristal D.
Subject: RE: 2122 Lead Avenue - Town Home Development

Hi Mike,
Per your plan, you will not need the driveway reconstructed off of Lead for 2122 Lead Ave., you will no longer need the water service/meter off of Lead, and you will install a fire hydrant along the south side of Lead for the property. Is this correct?

We will be installing a new storm drain pipe in Lead but it should be deep enough to go under the new line for the fire hydrant you would install. Should the fire hydrant be within your property? Right now you show is located within the city's right of way.

Thank you,
Savina

From: Mike Salvador [mailto:mike@mullenheller.com]
Sent: Thursday, January 27, 2011 10:37 AM
To: Garcia, Savina G; 'Diane Sholtis'
Subject: 2122 Lead Avenue - Town Home Development

Good Morning Savina and Diane,

Per the request of Diane, I have attached the latest site plan for the above mentioned project for your review and comment. The current site plan shows all information provided by Savina for the Lead-Coal Street Improvements along with our property survey. Please don't hesitate to call with any questions or concerns.

FYI: We are also in for TCL-Site Plan review for Building Permit with the COA Transportation Department - Kristal Metro. I have informed her of our ongoing communication with regards to construction timelines for Lead Avenue and our proposed project. I will fix any review comments that you have and forward Kristal a new plan.

Thank you again for your time and attention to our request.

Mike Salvador
Mullen Heller Architecture, PC.

****
Confidential/Proprietary Note:
The information in this email is confidential and may be legally privileged. Access to this email by anyone other than the intended addressee is unauthorized. If you are not the intended recipient of this message, any review, disclosure, copying, distribution, retention, or any action taken or omitted to be taken in reliance on it is prohibited and may be unlawful. If you are not the intended recipient, please reply to or forward a copy of this message to the sender and delete the message, any attachments, and any copies thereof from your system. Thank you.

Albuquerque Bernalillo County Water Utility Authority GIS - Mozilla Firefox

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Albuquerque Bernalillo County Water Utility Authority

Pointer

Tools

Markers

Waste Water

Apply

Select Scale

Enter Scale

Apply

Links

Identify currently visible layers

Waste Water Pipes

AV

60 30 0 60 Feet

Done

CITY OF ALBUQUERQUE

January 21, 2011

Michele Mullen, R.A.
Mullen Heller Architecture P.C.
924 Park Avenue SW. Suite B
Albuquerque, NM 87102

Re: Lead Avenue Town Homes, 2212 Lead Ave SW,
Traffic Circulation Layout
Architect's Stamp dated 01-07-11 (K15-D094)

Dear Ms. Mullen,

Based upon the information provided in your submittal received 01-10-11, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

1. Please include two copies of the traffic circulation layout at the next submittal.
2. This project must be coordinated with the Lead-Coal improvements project. Please contact the project manager, Diane Sholtis (768-3838).
3. Parking stalls must be a minimum of 8.5 feet wide.
4. All sidewalk within the site must be a minimum of 6 feet wide.
5. A separate work order is required for the paving of the alleyway. Please add a note to the plan regarding this. The work order must be closed out prior to any certificate of occupancy approval.

If you have any questions, you can contact me at 924-3991.

Sincerely,

Kristal D. Metro, P.E.
Traffic Engineer, Planning Dept.
Development and Building Services

C: File

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Lead Avenue Town Homes ZONE MAP/DRG. FILE #: K-15-ZPD 94
DRB #: _____ EPC#: _____ WORK ORDER#: N/A

LEGAL DESCRIPTION: Lot 6, Block 4 of Buena Vista Heights
CITY ADDRESS: 2122 Lead Avenue SW., Albuquerque, NM 87114

ENGINEERING FIRM: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

OWNER: Amy and Dr. Charles Chiang CONTACT: Dr. Charles Chiang
ADDRESS: 19433 De Haviland PHONE: 505-268-4144
CITY, STATE: Saratoga, CA. ZIP CODE: 95070

ARCHITECT: Mullen Heller Architecture P.C CONTACT: Doug Heller
ADDRESS: 924 Park Avenue SW, Suite B PHONE: 505-268-4144
CITY, STATE: Albuquerque, NM ZIP CODE: 87102

SURVEYOR: Harris Surveying, Inc. CONTACT: Tony Harris
ADDRESS 2412-D Monroe Street NE. PHONE: 505-889-8056
CITY, STATE: Albuquerque, NM ZIP CODE: 87110

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

CHECK TYPE OF SUBMITTAL:

____ DRAINAGE REPORT
____ DRAINAGE PLAN 1st SUBMITTAL, ***REQUIRES TCL or equal***
____ DRAINAGE PLAN RESUBMITTAL
____ CONCEPTUAL 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

CHECK TYPE OF APPROVAL SOUGHT:

____ SIA / FINANCIAL GUARANTEE RELEASE
____ PRELIMINARY PLAT APPROVAL
____ S. DEV. PLAN FOR SUB'D. APPROVAL
____ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
____ SECTOR PLAN APPROVAL
____ FINAL PLAT APPROVAL
____ FOUNDATION PERMIT APPROVAL
✓ BUILDING PERMIT APPROVAL
____ 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
✓ NO
____ COPY PROVIDED

DATE SUBMITTED: January 7, 2011 BY: Doug Heller

RECEIVED
JAN 10 2011
HYDROLOGY SECTION

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature , location and scope ot 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.