CITY OF ALBUQUERQUE

Planning Department David Campbell, Director



Mayor Timothy M. Keller

December 26, 2018

Martin Garcia, P.E. Anchor Engineering LLC 1035 S. Bosque Loop Bosque Farms, NM, 87123

RE: Enterprise Rent-a-Car Grading and Drainage Plan Engineer's Stamp Date: 12/10/18 Hydrology File: N15D016

Dear Mr. Garcia:

Based upon the information provided in your submittal received 12/12/2018, the Grading and Drainage Plan is approved for Grading Permit.

Once the pond is completed, an Engineer Certification per the DPM checklist will be required.

Albuquerque If you have any questions, please contact me at 924-3995 or <u>rbrissette@cabq.gov</u>.

NM 87103 Sincerely,

Renée C. Brissette

www.cabq.gov

Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology Planning Department



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

| Project Title: | Building Permit #: | City Drainage #: |
|---------------------------------------|-------------------------|------------------------|
| DRB#: EPC#: | | Work Order#: |
| Legal Description: | | |
| City Address: | | |
| Engineering Firm: | | Contact: |
| Address: | | |
| Phone#: Fax#: | | E-mail: |
| Owner: | | Contact: |
| Address: | | |
| Phone#: Fax#: | | E-mail: |
| Architect: | | Contact: |
| Address: | | |
| Phone#: Fax#: | | E-mail: |
| Surveyor: | | Contact: |
| Address: | | |
| Phone#: Fax#: | | E-mail: |
| Contractor: | | Contact: |
| Address: | | |
| Phone#: Fax#: | | E-mail: |
| TYPE OF SUBMITTAL: | CHECK TYPE OF APPROV | AL/ACCEPTANCE SOUGHT: |
| DRAINAGE REPORT | SIA/FINANCIAL GUARAN | TEE RELEASE |
| DRAINAGE PLAN 1st SUBMITTAL | PRELIMINARY PLAT APPI | ROVAL |
| DRAINAGE PLAN RESUBMITTAL | S. DEV. PLAN FOR SUB'D | APPROVAL |
| CONCEPTUAL G & D PLAN | S. DEV. FOR BLDG. PERMI | IT APPROVAL |
| GRADING PLAN | SECTOR PLAN APPROVAL | _ |
| EROSION & SEDIMENT CONTROL PLAN (ESC) | FINAL PLAT APPROVAL | |
| ENGINEER'S CERT (HYDROLOGY) | CERTIFICATE OF OCCUPA | ANCY (PERM) |
| CLOMR/LOMR | CERTIFICATE OF OCCUPA | ANCY (TCL TEMP) |
| TRAFFIC CIRCULATION LAYOUT (TCL) | FOUNDATION PERMIT AP | PROVAL |
| ENGINEER'S CERT (TCL) | BUILDING PERMIT APPRO | DVAL |
| ENGINEER'S CERT (DRB SITE PLAN) | GRADING PERMIT APPRO | VAL SO-19 APPROVAL |
| ENGINEER'S CERT (ESC) | PAVING PERMIT APPROV | AL ESC PERMIT APPROVAL |
| SO-19 | WORK ORDER APPROVAL | ESC CERT. ACCEPTANCE |
| OTHER (SPECIFY) | GRADING CERTIFICATION | N OTHER (SPECIFY) |
| WAS A PRE-DESIGN CONFERENCE ATTENDED: | Yes No Co | ppy Provided |
| DATE SUBMITTED: | By: | |

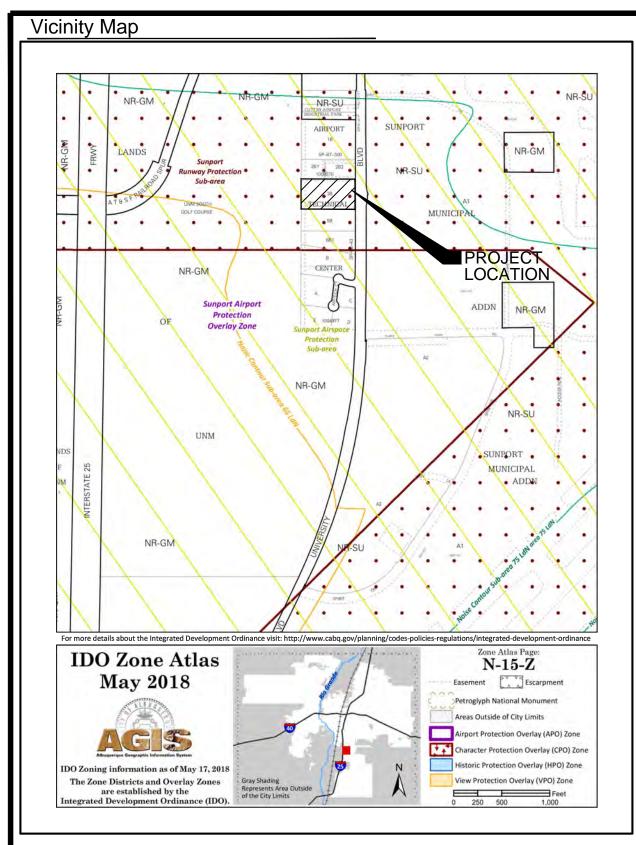
Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based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

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

2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5) acres

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

4. Erosion and Sediment Control Plan: Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development

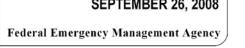


FEMA Map



FIRM FLOOD INSURANCE RATE MAP **BERNALILLO COUNTY,** NEW MEXICO AND INCORPORATED AREAS PANEL 342 OF 825 (SEE MAP INDEX FOR FIRM PANEL LAYOUT) CONTAINS: COMMUNITY NUMBER UQUERQUE, CITY OF 350002 BERNALILLO COUNTY UNINCORPORATED AREAS 350001 0342 Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject MAP NUMBER 35001C0342G MAP REVISED **SEPTEMBER 26, 2008**

PANEL 0342G



N89'35'37"W Set 5/8" Rebar with cap stamped "LS, 11808" POND 1 VOL = 19,481.99 C/F WS ELEV = 86.59 TOG\85.75 set \$/8" Rebar with cap stamper "LS 11808" LECE CEL NEW 2'X2' STORM DRAIN EXISTING STORM DRAIN WITH 1~18" DIA CMP GRADING AND DRAINAGE PLAN SCALE: 1" = 30'

Drainage Calculations

| ENTERPI | RISE REI | NT-A-CAR | | |
|-------------------------------|-----------------|----------|------|----------|
| Hydrology Calculations | 1 1 1 1 1 1 1 | | | |
| Date: October 4, 2016 | | | | |
| DPM - Section 22.2 | | | | |
| Volume 2, January 1993 | | | | |
| Precipitation Zone | 2 | | | |
| 100 Year Storm Depth, P (360) | 2.35 | | | |
| Treatment Area | A | В | С | D |
| Excess Precipitation Factors | 0.53 | 0.78 | 1.13 | 2.12 |
| Peak Discharge Factors | 1.56 | 2.28 | 3.14 | 4.70 |
| Land Treatment Area | Acres | Existing | | Proposed |
| Type "D" (Roof) | | 0.00 | | 0.36 |
| Type "C" (Unpaved Roadway) | | 2.00 | | 3.70 |
| Type "B" (Irrigated Lawns) | | 2.06 | | 0.00 |
| Type "A" (Undeveloped) | | 0.00 | | 0.00 |
| Total (Acres) | | 4.06 | | 4.06 |
| Excess Precipitaion(in) | | 0.95 | | 1.22 |
| Volume (100), cf | | 14036.48 | | 17947.45 |
| Volume (25), cf | | 11229.19 | | 14357.96 |

Drainage Narrative

THE PURPOSE OF THIS GRADING AND DRAINAGE PLAN IS TO ACCOMMODATE FOR A NEW PARKING/STORAGE LOT. THE LOT IS PROPOSED TO BE FINISHED WITH BASE COURSE ONLY. THE SITE CURRENTLY IN AN UNIMPROVED LOT AND IS BOUND TO THE NORTH BY IMPROVED LOTS, TO THE WEST BY THE UNM SOUTH GOLF COURSE, TO THE SOUTH BY AN UNIMPROVED LOT AND TO THE EAST BY UNIVERSITY BLVD S.E.

THE SITE CURRENTLY SLOPES FROM THE EAST TO THE WEST AND DRAINS INTO THE UNM SOUTH GOLF COURSE AT APPROXIMATELY 2.4% SLOPE. THE PROPOSED GRADING PLAN HEREON, WOULD ACCOMMODATE ALL RUN-OFF TO A NEW DETENTION POND WHERE ALL RUN-OFF WOULD DISCHARGE INTO A NEW 2'x2' STORM DRAIN INLET WITH AN 18" DIA OUTLET PIPE WITH A MAXIMUM FLOW OF 5.5664 CFS.

THE SITE IS OUTSIDE THE FLOOD PLAIN AS DESIGNATED AS "ZONE X" PER FEMA FLOOD PLAIN PANEL 35001C0342G, DATED SEPTEMBER 26, 2008

