

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



Mayor Timothy M. Keller

January 7, 2022

Scott McGee, PE
Scott M. McGee PE, LLC
9700 Tanoan Dr. NE
Albuquerque, NM 87111

RE: **NM United Storage Room AA**
5601 University Blvd. SE
Grading and Drainage Plan
Engineers Stamp Date 12/7/2021 (R15D002A)

Dear Mr. McGee,

Based upon the information provided in your re-submittal received 1/7/2022, this plan is approved for Building Permit.

PO Box 1293

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

Albuquerque

If you have any questions, please contact me at 924-3986 or earmijo@cabq.gov.

NM 87103

Sincerely,

www.cabq.gov

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

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

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

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

Other Contact: _____ **Contact:** _____

Address: _____

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

TYPE OF DEVELOPMENT: _____ PLAT (# of lots) _____ RESIDENCE _____ DRB SITE _____ ADMIN SITE

IS THIS A RESUBMITTAL? _____ Yes _____ No

DEPARTMENT: _____ TRAFFIC/TRANSPORTATION _____ HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ ENGINEER/ARCHITECT CERTIFICATION
- _____ PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ DRAINAGE MASTER PLAN
- _____ DRAINAGE REPORT
- _____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- _____ ELEVATION CERTIFICATE
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ TRAFFIC IMPACT STUDY (TIS)
- _____ OTHER (SPECIFY) _____
- _____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

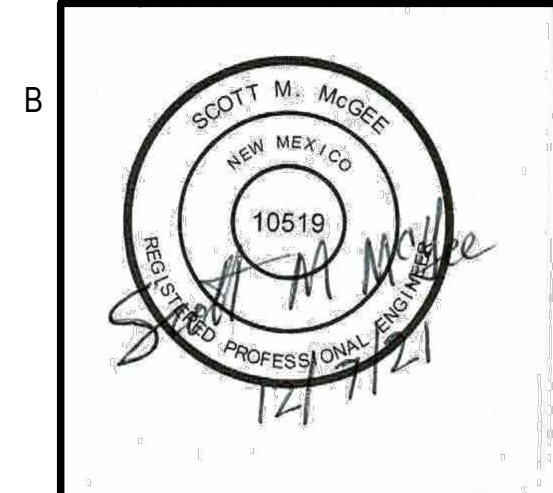
- _____ BUILDING PERMIT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY
- _____ PRELIMINARY PLAT APPROVAL
- _____ SITE PLAN FOR SUB'D APPROVAL
- _____ SITE PLAN FOR BLDG. PERMIT APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ SIA/ RELEASE OF FINANCIAL GUARANTEE
- _____ FOUNDATION PERMIT APPROVAL
- _____ GRADING PERMIT APPROVAL
- _____ SO-19 APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ GRADING/ PAD CERTIFICATION
- _____ WORK ORDER APPROVAL
- _____ CLOMR/LOMR
- _____ FLOODPLAIN DEVELOPMENT PERMIT
- _____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

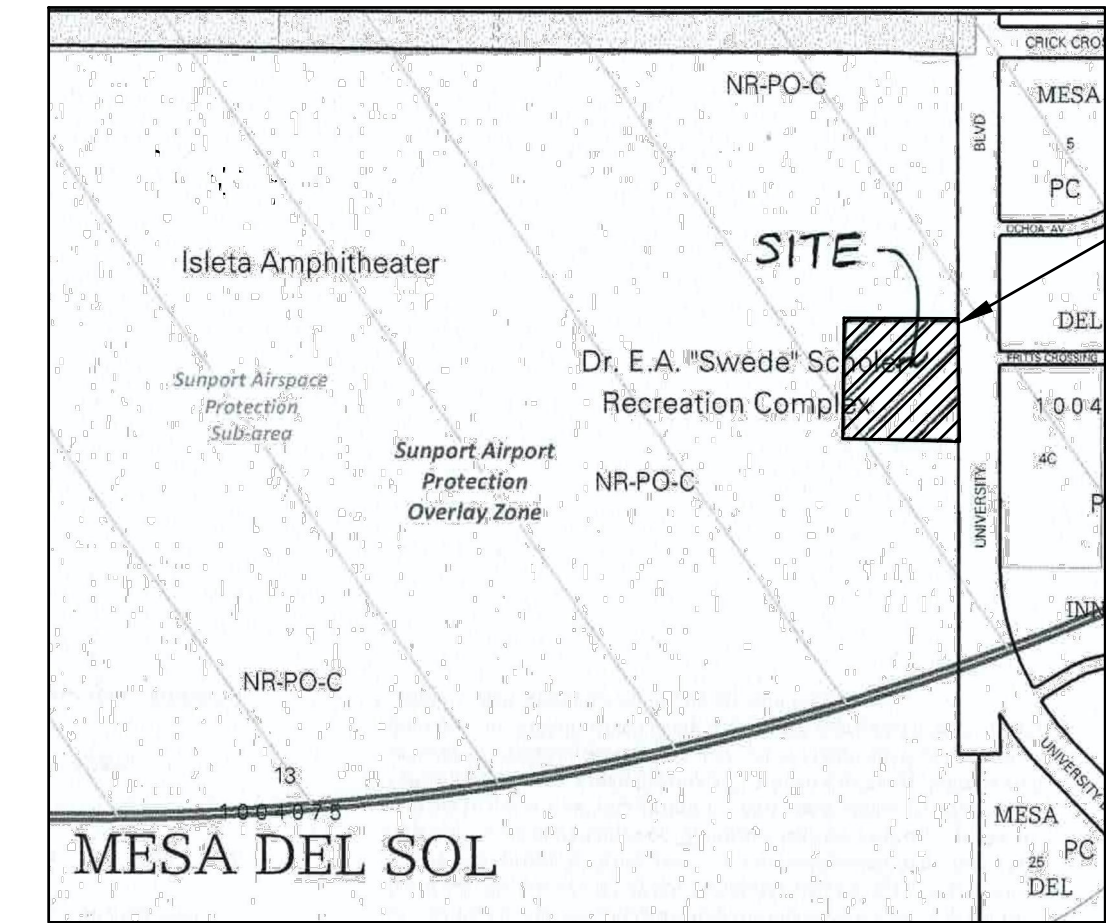
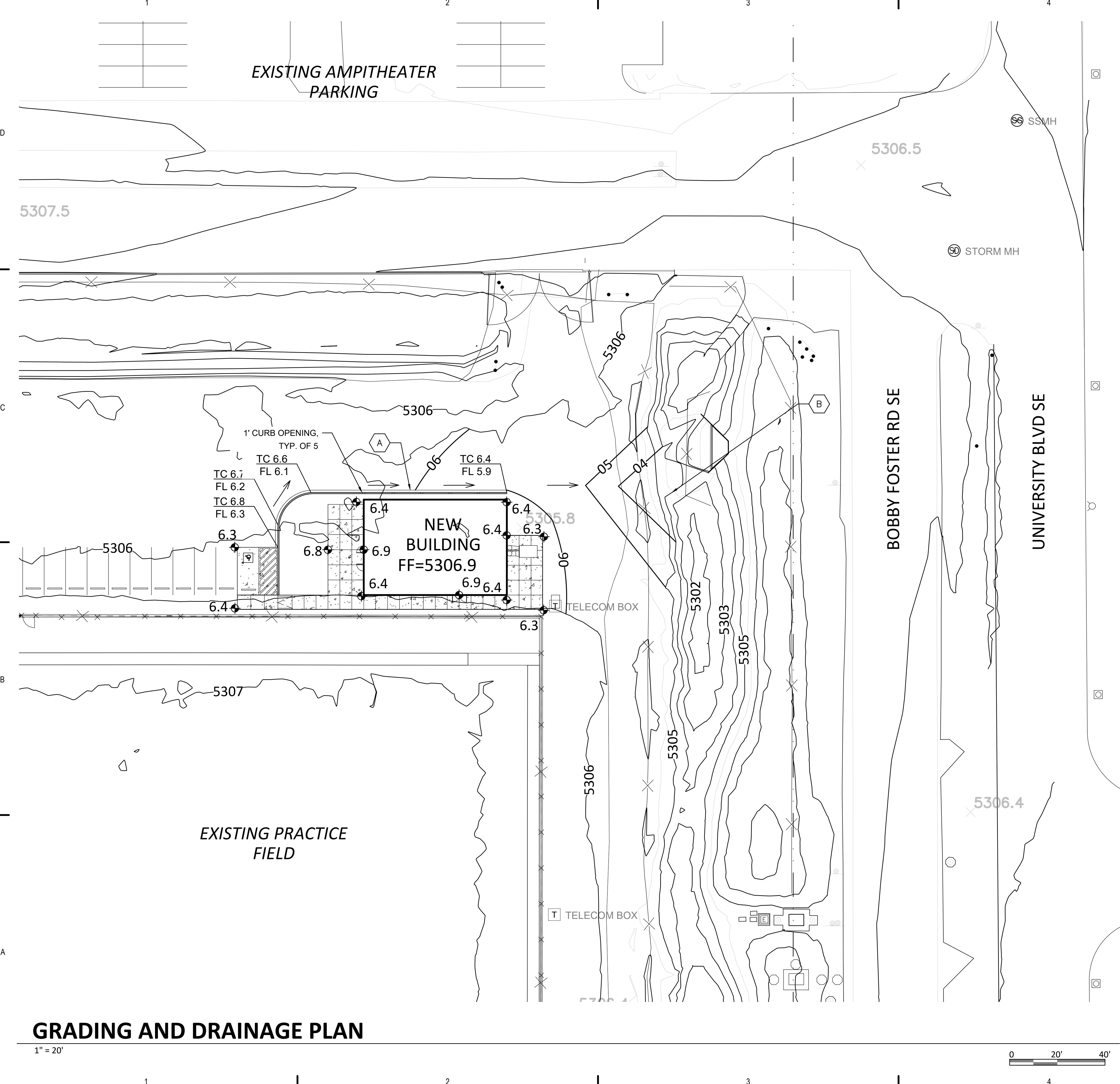
COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



No	Date	Description
Revision Schedule		
ISSUE:		CD's
PROJECT #:		61257
FILE:		
DRAWN BY:		JW
CHECKED BY:		JW
DATE:		12.03.21
GRADING AND DRAINAGE PLAN		



VICINITY MAP

LEGEND

- | |
|--|
| EXISTING CONSTRUCTION |
| EXISTING CONTOUR |
| NEW CONTOUR |
| PROPOSED BUILDING FINISH FLOOR ELEVATION |
| 6.9 |
| NEW SPOT ELEVATION |
| NEW CONSTRUCTION |
| RD |
| TC |
| ROOF DRAIN |
| TOP OF CURB |

DRAINAGE ANALYSIS

LEGAL DESCRIPTION: TRACT 13 MESA DEL SOL INNOVATION PARK

PROJECT AREA: 0.3 AC (13,060 SF)

BENCHMARK: City of Albuquerque Station '5-R15' being a brass cap.
ELEV= 5306.674 (NAVD 1988)

FLOOD HAZARD: From FEMA Map 35001C0555H (8/16/2012), this site is identified within Zone 'X' - determined to be an area of minimal flood hazard.

OFFSITE FLOW: The site does not accept offsite flow as University Blvd SE borders the site to the east. A soccer practice field lies to the south and undeveloped land surrounds the remainder of the site.

EXISTING CONDITIONS: The site is currently a dirt parking area adjacent to a fenced practice field. This area is within Basin P2, from 2019 DMP study (R15/D002). The ultimate developed conditions drainage information for P2:
A=13.88 acres, Q=59.13 CFS, E=1.87", and 10-DAY V= 158,727 CF

PROPOSED IMPROVEMENTS: The proposed improvements include a 2,400 SF building, parking, patio, and sidewalks. Total new impervious area is 3,400 SF.

DRAINAGE APPROACH: The site drainage pattern will follow historic conditions discharging to the existing conveyance to the east. Flow is then carried south to the West University Pond which has excess capacity.

Existing land treatment: 100% C (Compacted dirt) PRECIPITATION ZONE: 2
 $Q = (3.14)(0.3) = 0.9 \text{ CFS}$
Proposed land treatment: 74% C and 26% D
 $Q = [(0.74)(3.14) + (.26)(4.7)](0.3) = 1.1 \text{ CFS}$
This minor increase in flow increases the Basin 101 Q to 8.2 CFS. This increases 10-YR
 $V = [(2.12 - 1.13) / 12 + (3.95 - 2.35) / 12] (3400 \text{ SF}) = 734 \text{ CF}$

The existing Booby Foster conveyance shall be enlarged by removing 30 CY dirt to provide added storage volume of 810 CF. The developed runoff will surface discharge to the existing West University Pond.

KEYED NOTES

- A. INSTALL NEW 6" HIGH MEDIAN CURB WITH 1' CURB OPENINGS (AT 12' ON CENTER) ADJACENT TO BUILDING. PLACE COBBLE BETWEEN CURB AND BUILDING.
- B. CONTRACTOR SHALL REMOVE 30 CY DIRT FROM WEST SIDE OF EXISTING POND AS SHOWN.

GRADING AND DRAINAGE PLAN

$$1'' = 20'$$
