

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

August 11, 2023

David Soule, P.E.  
Rio Grande Engineering  
P.O. Box 93924  
Albuquerque, NM 87199

**RE: 6105 Copper Rose St. NE**  
**Engineer's Certification Date: 08/08/23**  
**Engineer's Stamp Date: 04/06/23**  
**Hydrology File: E23D003O1**

Dear Mr. Soule:

Based upon the information provided in your submittal received 08/10/2023, the Grading and Drainage Plan is approved for Building Permit and Building Pad Certification for 6105 Copper Rose St. NE. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

**PRIOR TO CERTIFICATE OF OCCUPANCY:**

1. Engineer's Certification, per the DPM Part 6-14 (G): Engineer's Certification Checklist for Subdivision and Part 6-14 (H): Required Certification Language is required.

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

Sincerely,

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 6/2018)

**Project Title:** 6105 Copper Rose **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_  
**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_  
**Legal Description:** LOT 2 OVERLOOK AT HIGH DESERT  
**City Address:** 6105 Copper Rose

**Applicant:** \_\_\_\_\_ **Contact:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Other Contact:** RIO GRANDE ENGINEERING **Contact:** DAVID SOULE  
**Address:** PO BOX 93924 ALB NM 87199  
**Phone#:** 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

**TYPE OF DEVELOPMENT:** \_\_\_\_\_ PLAT ☒ RESIDENCE \_\_\_\_\_ DRB SITE \_\_\_\_\_ ADMIN SITE

Check all that Apply:

### DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE  
☐ TRAFFIC/ TRANSPORTATION

### TYPE OF SUBMITTAL:

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

IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

### 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: \_\_\_\_\_





SEE SHEET 2 FOR HYDRAULIC CALCULATIONS

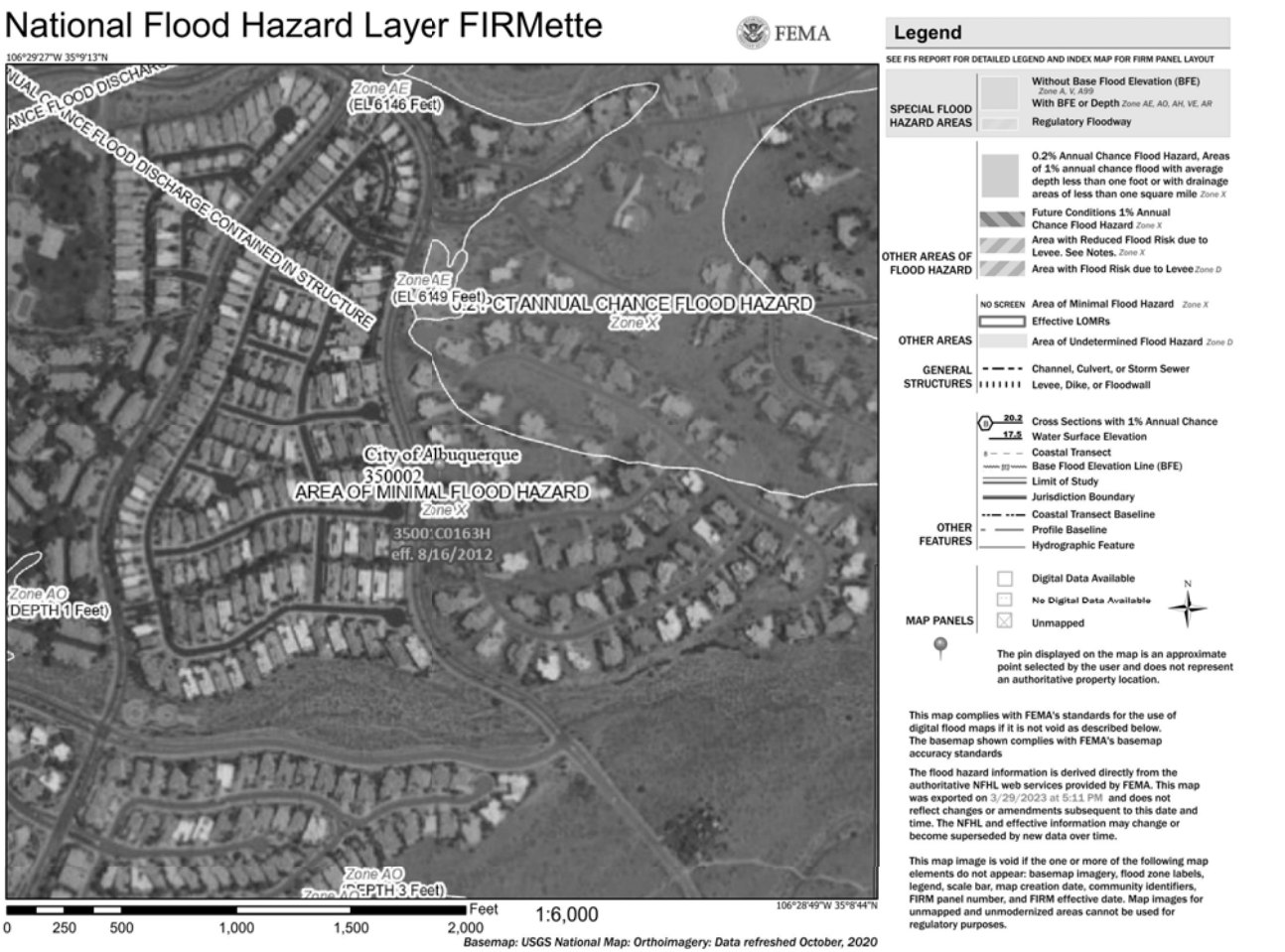
I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 4/6/13

### EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



### VICINITY MAP: E-23-Z



### FIRM MAP:

### LEGAL DESCRIPTION:

LOT 2 OVERLOOK AT HIGH DESERT  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

### NOTES:

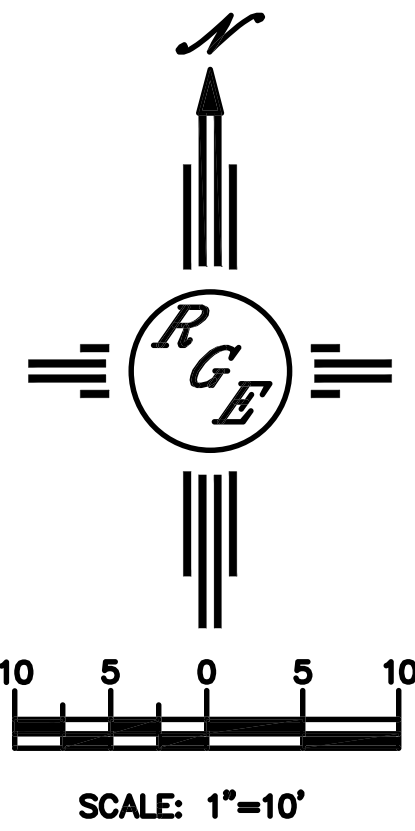
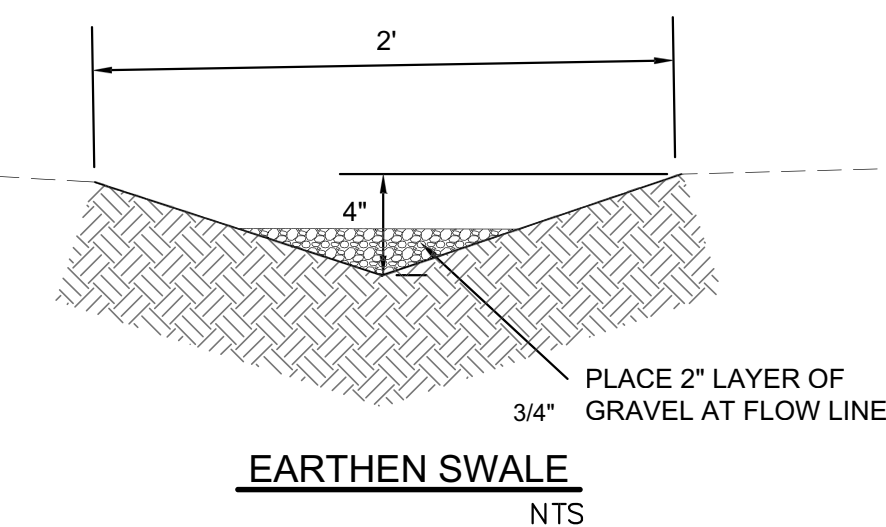
- ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
- ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
- SURVEY INFORMATION PROVIDED BY ANYTHONY HARRIS USING NAVD DATUM 1988.
- A PAD ELEVATION CERTIFICATION SHALL BE REQUIRED PRIOR TO RELEASE OF BUILDING PERMIT.

### LEGEND

|                |                          |
|----------------|--------------------------|
| -----XXXX----- | EXISTING CONTOUR         |
| -----XXXX----- | EXISTING INDEX CONTOUR   |
| -----XXXX----- | PROPOSED CONTOUR         |
| -----XXXX----- | PROPOSED INDEX CONTOUR   |
| XXXX           | EXISTING SPOT ELEVATION  |
| ●XXXX          | PROPOSED SPOT ELEVATION  |
| ---            | BOUNDARY                 |
| ---            | ADJACENT BOUNDARY        |
| =====          | EXISTING CURB AND GUTTER |
| -----<-----    | PROPOSED EARTHEN SWALE   |
| -----<-----    | PROPOSED RETAINING WALL  |
| -----<-----    | PROPOSED GRAVEL          |
| -----<-----    | PROPOSED CONCRETE        |

### CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.



|                                                                         |                                                          |                                   |
|-------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------|
| ENGINEER'S SEAL                                                         | LOT 2 OVERLOOK AT HIGH DESERT<br>6105 COPPER ROSE STREET | DRAWN BY DEM                      |
| DAVID SOULE<br>NEW MEXICO<br>REGISTERED PROFESSIONAL ENGINEER<br>4/6/23 | GRADING AND DRAINAGE PLAN                                | DATE<br>3-30-23                   |
|                                                                         |                                                          | Lot 2 Overlook At High Desert.dwg |
|                                                                         |                                                          | SHEET #<br>C1                     |
|                                                                         |                                                          | JOB #                             |

## BASIN DATA

[illegible]

ROUTED DISCHARGE FROM BASIN A POND INCLUDES UPLAND  
SITE DISCHARGE CALCULATED UTILIZING AHMO. THE DETENTION PONDS HAVE DIFFERENT TP THEREFORE THE CUMULATIVE DISCHARGE IS  
SLIGHTLY LESS THAN THE SUMMATION OF EACH BASIN.

# VOLUME CALCULATIONS

| ACTUAL | DEPTH | AREA   | VOLUME   | VOLUME     | VOLUME | Q     |
|--------|-------|--------|----------|------------|--------|-------|
| FEET   | (FT)  | SF     | PER UNIT | CUMULATIVE | ACFT   | (CFS) |
| 62.35  | 0.00  | 15.00  | 0        | 0          | 0.000  | 0.000 |
| 63.00  | 0.00  | 119.00 | 43.55    | 43.55      | 0.001  | 0.000 |
| 64.00  | 0.00  | 420.00 | 269.50   | 313.05     | 0.007  | 0.735 |
| 64.85  | 1.60  | 807.00 | 521.48   | 834.53     | 0.019  | 1.20  |

$$Q = CA \sqrt{2gh}$$

OUTFALL

|                           |                                        |
|---------------------------|----------------------------------------|
| C =                       | 0.6                                    |
| Diameter (in)             | 6                                      |
| Area (ft <sup>2</sup> ) = | 0.196349541                            |
| $\bar{g}$ =               | 32.2                                   |
| H (ft) =                  | Depth of water above center of orifice |
| Q (CFS) =                 | Flow                                   |

|                                                                                                           |                                   |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------|
| ENGINEERS<br>SEAL                                                                                         | DAVID SOULE<br>P.E. #14322        |
|                        |                                   |
| 4/16/23                                                                                                   |                                   |
|                         |                                   |
| <b><i>Rio Grande</i></b><br><i>Engineering</i><br>PO BOX 30004<br>ALBUQUERQUE, NM 87189<br>(505) 227-3669 |                                   |
| <b>LOT 2 OVERLOOK AT HIGH DESERT</b><br><b>6105 COPPER ROSE STREET</b>                                    |                                   |
| <b>GRADING AND DRAINAGE PLAN</b><br>CALCULATIONS                                                          |                                   |
| DRAWN<br>BY<br>DEM                                                                                        | Lot 2 Overlook at High Desert Hwy |
| DATE                                                                                                      | 3-30-23                           |
| SHEET #                                                                                                   | C2                                |
| JOB #                                                                                                     |                                   |

[illegible]