

# CITY OF ALBUQUERQUE

*Planning Department*  
Alan Varela, Director



*Mayor Timothy M. Keller*

January 20, 2023

Genny Donart, P.E.  
Isaacson & Arfman, P.A.  
128 Monroe St NE  
Albuquerque, NM 87108

**RE: Explora STEM Expansion  
1701 Mountain NW  
Permanent C.O. - Accepted  
Engineer's Certification Date: 01/13/23  
Engineer's Stamp Date: 11/22/19  
Hydrology File: J13D070**

Dear Ms. Donart:

PO Box 1293

Based on the Certification received 01/13/2023 and site visit on 01/20/2023, this letter serves as a "green tag" from Hydrology Section for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque

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

NM 87103

Sincerely,

[www.cabq.gov](http://www.cabq.gov)

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

DATE SUBMITTED: 01/13/23

## S.O.19 : NOTICE TO CONTRACTORS

## PRIVATE DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

- 1 AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 2 ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 3 TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL, DIAL "811" OR (505) 260-1990, FOR THE LOCATION OF EXISTING UTILITIES.
- 4 PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATIONS OF ALL OBSTRUCTIONS, SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5 BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC / STREET USE.
- 6 MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- 7 WORK ON ARTERIAL STREETS MAY BE REQUIRED ON A 24-HOUR BASIS.
- 8 CONTRACTOR MUST CONTACT AUGIE ARMIJO AT (505) 857-8607 AND CONSTRUCTION COORDINATION AT 924-3416 TO SCHEDULE AN INSPECTION.

| APPROVAL  | NAME | DATE |
|-----------|------|------|
| INSPECTOR |      |      |

## DRAINAGE CERTIFICATION

I, GENEVIEVE L. DONART, NMPE, OF THE FIRM ISAACSON & ARFMAN, P.A., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11/22/2019. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ROBER FIERRO NMLS #22809, OF THE FIRM FIERRO & COMPANY. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 11/3/2023 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 CERTIFICATE OF OCCUPANCY.

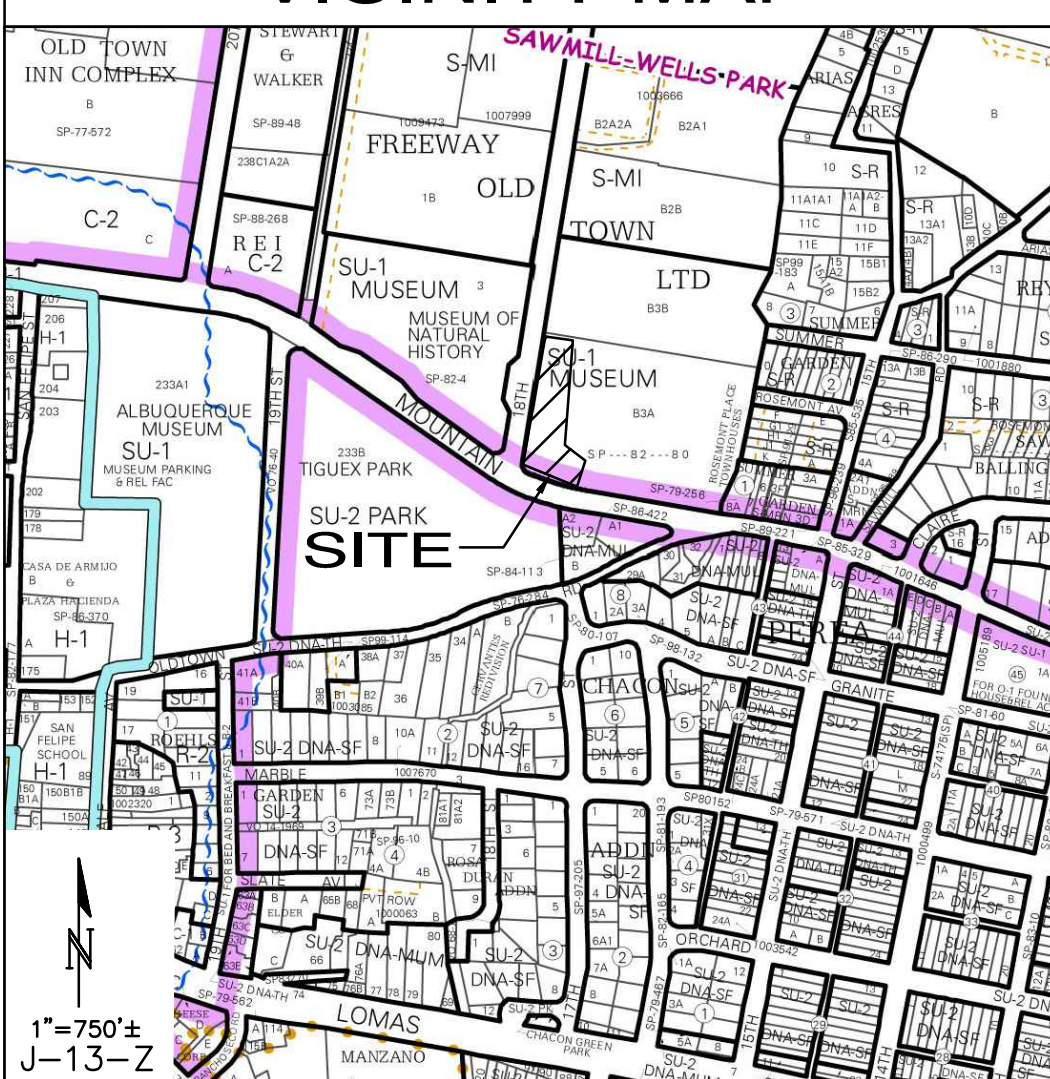
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.



GENEVIEVE L. DONART  
01/13/23  
DATE

NMPE #15088

## VICINITY MAP



## KEYED NOTES

1. INSTALL 8" ADS N-12 WATER TIGHT HDPE STORM DRAIN AT INVERTS SHOWN IN PLAN.
2. CONNECT NEW STORM PIPE TO EXISTING STORM DRAIN. REMOVE AND PROPERLY DISPOSE OF STORM DRAIN NORTH OF CONNECTION POINT.
3. INSTALL 24" NYLOPLAST BASIN WITH LOCKING BEEHIVE-GRADE, SOLID LID.
4. INSTALL 6" INLINE AREA DRAIN.
5. INSTALL INFILTRATION TRENCH PER DETAIL ON SHEET CG-501.
6. INSTALL 5-18" WIDE SIDEWALK CULVERT PER DETAIL ON SHEET CG-501 AS AN EMERGENCY OVERFLOW FOR THE DETENTION POND.
7. 2-6" HIGH STEPS.
8. TIE TO EXISTING SIDEWALK.
9. INSTALL 2-18" ADS N-12 WATER TIGHT HDPE STORM DRAINS AT INVERTS SHOWN IN PLAN.
10. INSTALL 8" I.D. CAST IRON PIPE UNDER BUILDING AT INVERTS SHOWN. USE MANUFACTURER RECOMMENDED PARTS TO CONNECT TO NYLOPLAST BASIN.
11. REMOVE & DISPOSE OF EXISTING STORM DRAIN.
12. 3" PVC PIPE CONNECTED TO ROOF DRAIN AND DISCHARGING TO POND AT 1% MIN. SLOPE. INSTALL RODENT SCREEN IN OUTLET OF PIPE.
13. 3" PVC PIPE CONNECTED TO ROOF DRAIN AND DISCHARGING TO STORM DRAIN AT 1% MIN SLOPE. INSTALL A SINGLE CLEAN OUT DOWNSTREAM OF PIPE PENETRATION THROUGH FOUNDATION PER DETAIL ON SHEET CU-101.

## LEGEND

|           |                                   |
|-----------|-----------------------------------|
| ---       | EXISTING CONTOUR                  |
| ---       | PROPOSED CONTOUR                  |
| 61.65     | EXISTING SPOT ELEVATION           |
| 61.65     | PROPOSED SPOT ELEVATION           |
| ---       | EXISTING STORM DRAIN              |
| ---       | PROPOSED STORM DRAIN              |
| FF=4961.7 | PROPOSED FINISHED FLOOR ELEVATION |
| ---       | PROPOSED INFILTRATION TRENCH      |
| ---       | PROPOSED SIDEWALK CULVERT         |
| ---       | PROPOSED DETENTION PONDING AREA   |
| ---       | PROPOSED WATER QUALITY BASIN      |

**ISAACSON & ARFMAN, P.A.**  
Consulting Engineering Associates  
128 Monroe Street N.E.  
Albuquerque, New Mexico 87108  
Ph. 505-268-8828 www.iacsa.com  
2268 CG-101 AS-BULTS.dwg Jan 13, 2023

**STUDIO SW**  
ARCHITECTS

2101 Mountain Road NW Suite B | Albuquerque NM 87104  
505-843-9639 | www.studioswarch.com

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## CONSULTANTS

Architect

Engineer

EXPLORA  
STEM

Project Address

## Key Plan

NTS

## LEGEND

|           |                                   |
|-----------|-----------------------------------|
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GRADING & DRAINAGE  
PLAN

**CG-101**