

# CITY OF ALBUQUERQUE

Planning Department  
Alan Varela, Director



Mayor Timothy M. Keller

January 25, 2024

David Thompson, PE  
Thompson Engineering Consultants, Inc.  
PO Box 65760  
Albuquerque, NM 87193

**RE: 623 14th Street SW  
Permanent C.O. – Accepted  
Engineer’s Certification Date: 01/23/24  
Hydrology File: K13D083**

Dear Mr. Thompson:

Based on the Certification received 01/24/2024 and site visit on 11/17/2023, 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.

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

PO Box 1293

Albuquerque

NM 87103

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



# City of Albuquerque

Planning Department  
Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title: \_\_\_\_\_ Hydrology File # \_\_\_\_\_

Legal Description: \_\_\_\_\_

City Address, UPC, OR Parcel: \_\_\_\_\_

Applicant/Agent: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Applicant/Owner: \_\_\_\_\_ Contact: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

(Please note that a DFT SITE is one that needs Site Plan Approval & ADMIN SITE is one that does not need it.)

**TYPE OF DEVELOPMENT:** PLAT (#of lots) \_\_\_\_\_ RESIDENCE  
DFT SITE ADMIN SITE

RE-SUBMITTAL: YES NO

**DEPARTMENT:** TRANSPORTATION HYDROLOGY/DRAINAGE

**Check all that apply under Both the Type of Submittal and the Type of Approval Sought:**

### TYPE OF SUBMITTAL:

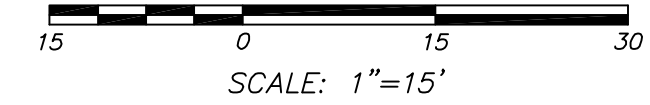
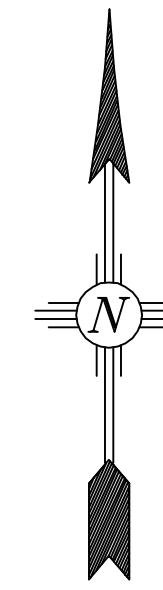
- ENGINEER/ARCHITECT CERTIFICATION
- PAD CERTIFICATION
- CONCEPTUAL G&D PLAN
- GRADING & DRAINAGE PLAN
- DRAINAGE REPORT
- DRAINAGE MASTER PLAN
- CLOMR/LOMR
- TRAFFIC CIRCULATION LAYOUT (TCL)  
ADMINISTRATIVE
- TRAFFIC CIRCULATION LAYOUT FOR DFT  
APPROVAL
- TRAFFIC IMPACT STUDY (TIS)
- STREET LIGHT LAYOUT
- OTHER (SPECIFY) \_\_\_\_\_

### TYPE OF APPROVAL SOUGHT:

- BUILDING PERMIT APPROVAL
- CERTIFICATE OF OCCUPANCY
- CONCEPTUAL TCL DFT APPROVAL
- PRELIMINARY PLAT APPROVAL
- FINAL PLAT APPROVAL
- SITE PLAN FOR BLDG PERMIT DFT  
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
- OTHER (SPECIFY) \_\_\_\_\_

DATE SUBMITTED: \_\_\_\_\_

Lot 17-AP-P2-A  
OF THE  
14 + Coal Subdivision  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY  
STATE OF NEW MEXICO  
January 2024  
Section 19, T.10N., R.3 E., N.M.P.M.



**LEGEND**

- ⊙ = CAPPED REBARS SET (LS 10461)
- = POINTS FOUND
- ⊕ = ALBUQUERQUE SURVEY CONTROL MONUMENT
- U— = OVERHEAD UTILITIES
- ⊕ = UTILITY POLE
- ⊕ = DENOTES WATER METER
- ⊕ = DENOTES GAS METER
- ⊕ = DENOTES MANHOLE
- ⊕ = DENOTES FIRE HYDRANT
- ⊕ = DENOTES COMMUNICATIONS BOX
- W— = DENOTES WATER LINE
- G— = DENOTES GAS LINE
- S— = DENOTES SEWER LINE
- ( ) RECORD DATA PLAT BK. 2007C, PG. 261

**100-YEAR HYDROLOGIC CALCULATIONS**

BASIN #	AREA (acre)	LAND TREATMENT				WEIGHTED E (in)	100-YEAR PRECIPITATION				
		A (%)	B (%)	C (%)	D (%)		V (6-hr) (acre-ft)	V (6-hr) (cu-ft)	V (24-hr) (acre-ft)	V (24-hr) (cu-ft)	Q (cfs)
<b>EXISTING CONDITIONS</b>											
SITE	0.0574	100.00	0.00	0.00	0.00	0.62	0.00	129	0.00	129	0.10
TOTAL RUNOFF	0.0574										
<b>FULL DEVELOPMENT CONDITIONS</b>											
SITE	0.0574	0.00	6.00	6.00	68.00	2.16	0.01	450	0.01	505	0.24
TOTAL RUNOFF	0.0574										
EXCESS PRECIP.		0.62	0.8	1.03	2.33	E (in)					
PEAK DISCHARGE		1.71	2.36	3.05	4.34	Q <sub>p</sub> (cfs)					

WEIGHTED E (in) = (E<sub>A</sub>)(%A) + (E<sub>B</sub>)(%B) + (E<sub>C</sub>)(%C) + (E<sub>D</sub>)(%D)  
 V<sub>6hr</sub> (acre-ft) = (WEIGHTED E)(AREA)/12  
 V<sub>24hr</sub> (acre-ft) = V<sub>6hr</sub> + (A<sub>o</sub>)(P<sub>24hr</sub> - P<sub>6hr</sub>)/12  
 Q (cfs) = (Q<sub>6hr</sub>)(A<sub>o</sub>) + (Q<sub>24hr</sub>)(A<sub>o</sub>) + (Q<sub>24hr</sub>)(A<sub>c</sub>) + (Q<sub>24hr</sub>)(A<sub>o</sub>)

ZONE = 2  
 P<sub>6hr</sub> (in.) = 2.29  
 P<sub>24hr</sub> (in.) = 2.59  
 P<sub>24hr</sub> (in.) = 3.62

**POND CALCULATIONS:**  
 WATER QUALITY VOLUME = (0.42IN/12IN/FT) x ((0.88 x .0574)) x 43,560SF/AC) = 77 CF REQUIRED.  
**VOLUME PROVIDED:**  
 POND A = 86 CF  
 POND B = 24 CF  
 TOTAL POND VOLUME = 110 CF

**DRAINAGE CERTIFICATION**

I, DAVID B. THOMPSON, NMPE 9677, OF THE FIRM THOMPSON ENGINEERING CONSULTANTS, INC., HEREBY CERTIFY THAT THIS PLAN FOR 623 14<sup>TH</sup> STREET SW HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN BY TIERRA WEST, LLC DATED 1-15-14. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY LORENZO E. DOMINGUEZ, NMPLS 10461. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 1-12-24 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.

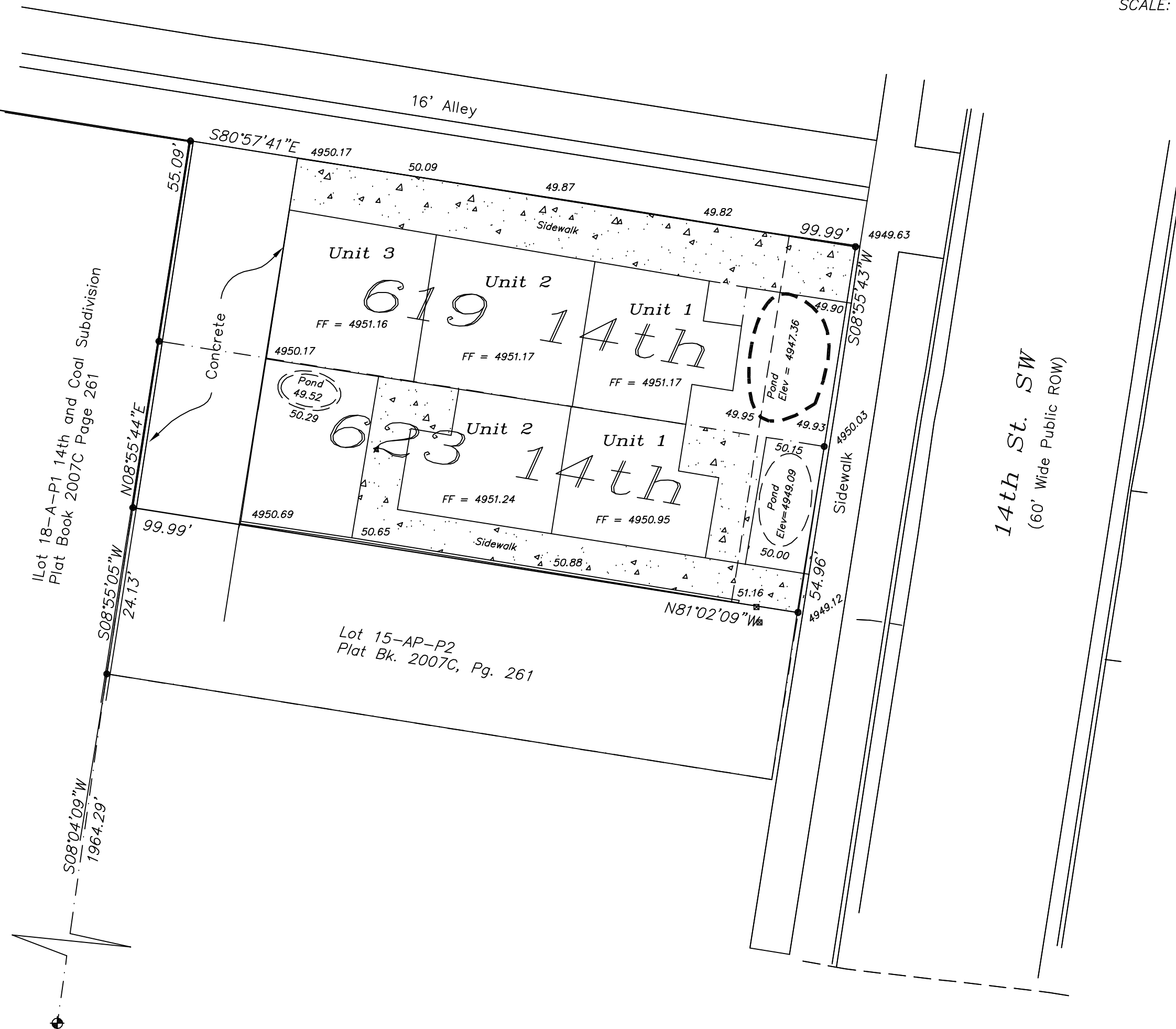
*David B. Thompson*



DAVID B. THOMPSON, NMPE 9677  
 JANUARY 23, 2024  
 DATE

**"As Built"**

*Lorenzo E. Dominguez*



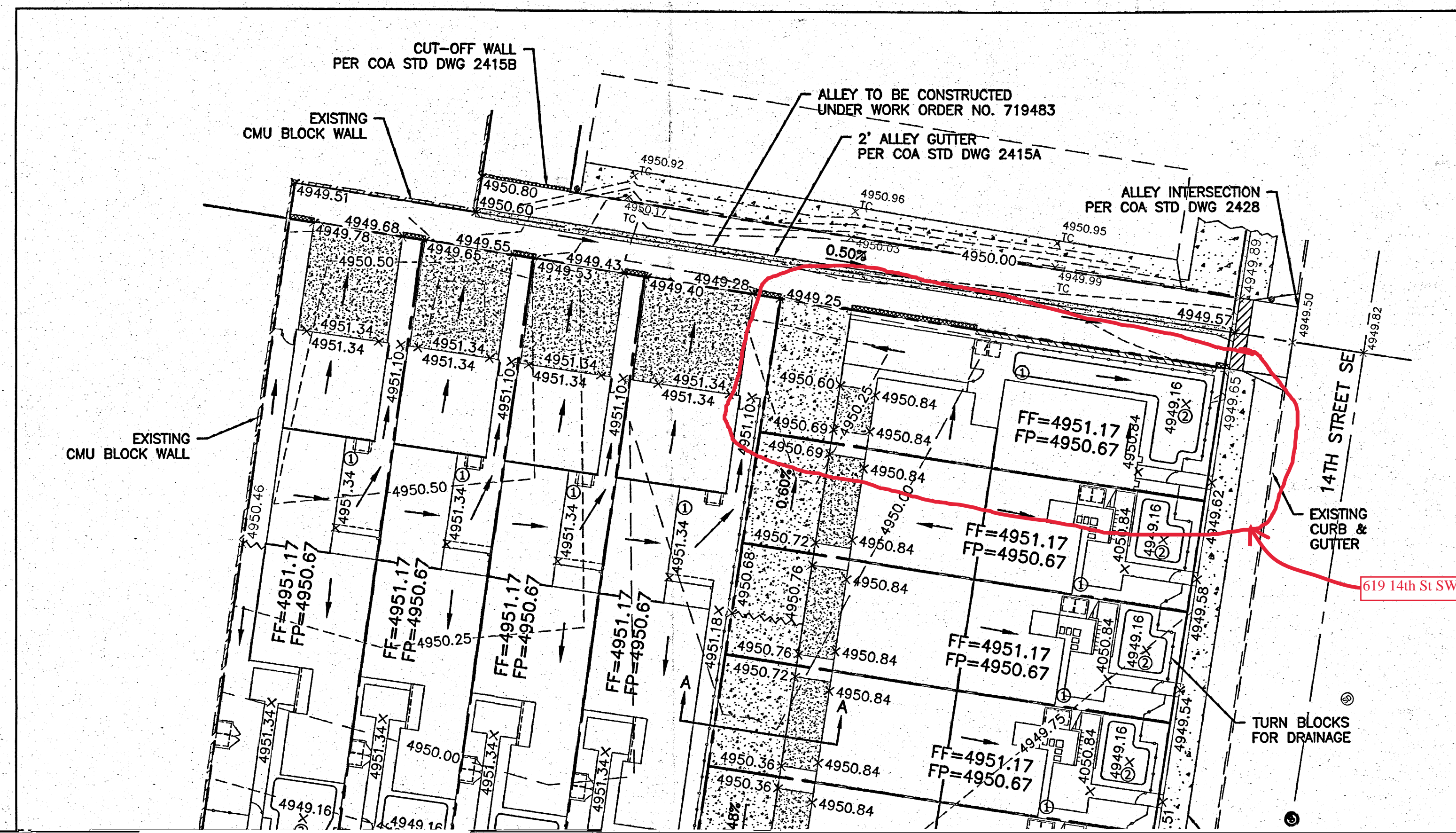
**East Mountain Surveying Co.**

Lorenzo (Larry) E. Dominguez  
 Owner/Professional Surveyor · PS #10461  
 PO Box 1607, Moriarty, NM 87035  
 505.639-5557 · Mobile 505.450.2097 · Fax 505.639.5557

**INDEXING INFORMATION**

ALEXANDER HOLDING LLC	
RECORDED DOCS: 2022004985 & 2022004986	
SEC. 19, T.10N, R.3E., N.M.P.M.	
SUBDIVISION(S): 14th & Coal Subdivision	
PROJECT No. EM.21-232-C	Sheet 2 of 2





A.G.R.S. MONUMENT "6\_K13"  
 STANDARD A.G.R.S. BRASS TABLET  
 (FOUND IN PLACE)  
 NEW MEXICO STATE PLANE COORDINATES  
 (CENTRAL ZONE—N.A.D. 1983)  
 N=1485023.668  
 E=1515142.468  
 PUBLISHED EL=4959.62 (NAVD 1988)  
 GROUND TO GRID FACTOR=0.999684989  
 DELTA ALPHA ANGLE=0°14'26.38"

**LEGEND**

- BOUNDARY LINE
- EASEMENT
- - - CENTERLINE
- - - RIGHT-OF-WAY
- ▨ CMU BLOCK WALL
- ▤ ALLEY CUT-OFF WALL
- x SPOT ELEVATION
- FLOW ARROW
- ① RAIN BARREL (50 GALLON MIN.)
- ② WATER HARVESTING AREA
- ▨ EXISTING SIDEWALK
- - - EXISTING CURB & GUTTER
- - - EXISTING BOUNDARY LINE
- 5010- EXISTING CONTOUR MAJOR
- 5011- EXISTING CONTOUR MINOR
- x 5048.25 EXISTING ELEVATION

