

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

February 7, 2024

Farman Shimohammadi, P.E.
Site Design Collaborative
245 E Third Street
Long Beach, CA 90802

**RE: Caliber Collision - 98th & Bluewater
Grading and Drainage Plans
Engineer's Stamp Date: 02/07/24
Hydrology File: K09D048D**

Dear Mr. Shimohammadi:

Based upon the information provided in your submittal received 02/02/2024, the Grading & Drainage Plans are approved for Building Permit, and Grading Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PO Box 1293

PRIOR TO CERTIFICATE OF OCCUPANCY:

Albuquerque

NM 87103

www.cabq.gov

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.
2. Please provide the executed paper Drainage Covenant (latest revision) printed on one-side only with Exhibit A and a check for **\$25.00** made out to "**Bernalillo County**" for the stormwater quality pond per Article 6-15(C) of the DPM to Hydrology for review at Plaza de Sol.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 924-3995 or 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 (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:

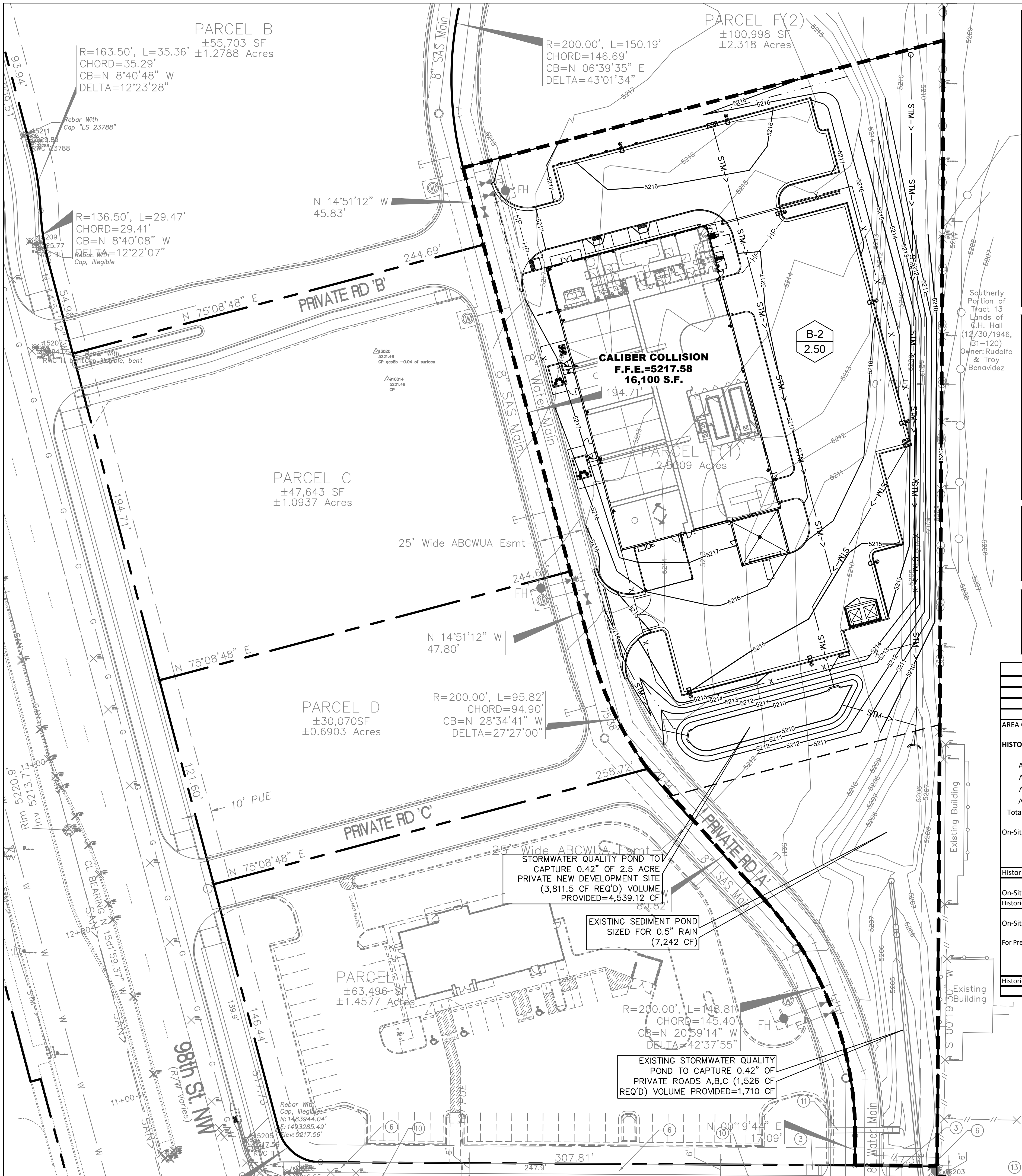
TYPE OF SUBMITTAL:

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: _____



EXISTING LEGEND	
	FIRE HYDRANT
	CHISELED "X" SET
	CHISELED "X" FOUND
	IRON ROD FOUND (SIZE AS NOTED)
	IRON ROD SET (SIZE AS NOTED)
	OVERHEAD UTILITY POLE W/ GUY
	SANITARY SEWER MANHOLE
	STORM SEWER MANHOLE
	WATER MANHOLE
	SAN. SWR. CLEAN OUT
	GAS VALVE
	WATER VALVE
	WATER METER
	BOLLARD
	SIGNAL POLE
	SIGNAL BOX
	ELECTRIC VAULT
	ELECTRIC BOX
	ELECTRIC VAULT
	STREET SIGN
	CABLE MARKER
	CABLE BOX
	SIGN
	AUTO SPRINKLER
	TRANSFORMER PAD
	LIGHT POLE
	TREE

POST-DRAINAGE LEGEND	
EXISTING MINOR CONTOURS	454
EXISTING MAJOR CONTOURS	455
MINOR CONTOURS	456
MAJOR CONTOURS	457
DRAINAGE DIVIDE	HP-HP-HP
HIGH POINT	HP
DRAINAGE AREA NO.	DA-X
DRAINAGE AREA ACREAGE	X.XX
DRAINAGE FLOW DIRECTION	15

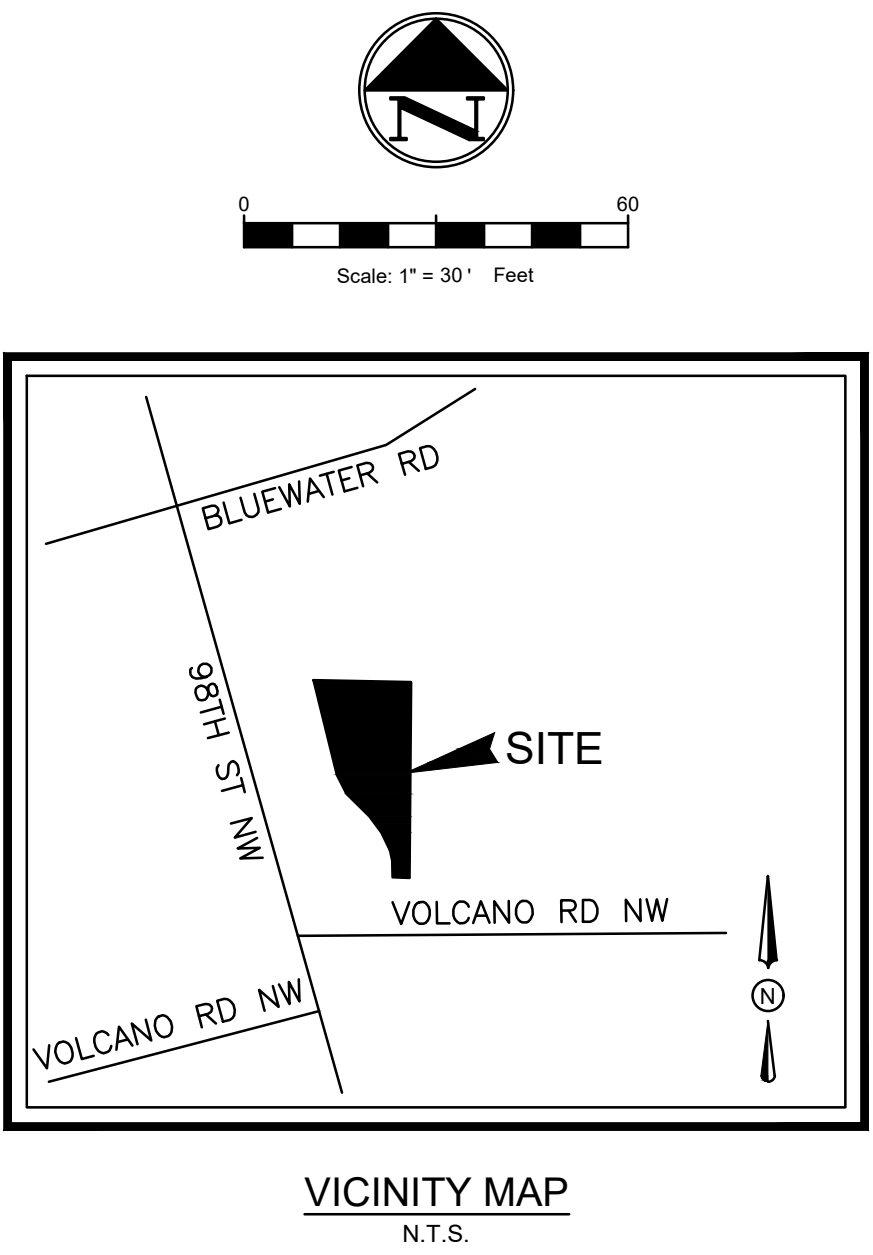
FLOOD PLAIN NOTE

BASED UPON SCALING, THIS PROPERTY LIES WITHIN FLOOD ZONE "X" WHICH IS DEFINED AS AN AREA OF MINIMAL FLOOD HAZARD AS DETERMINED BY F.E.M.A. AND SHOWN ON THE FLOOD INSURANCE RATE MAP NO. 35001C0328J, DATED NOVEMBER 4, 2016.

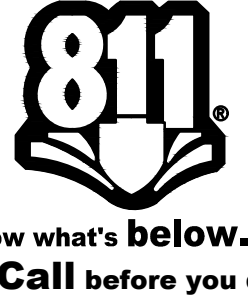
DRAINAGE NOTE

PER APPROVED HYDROLOGY PLAN DATED 04/18/22 (INCLUDED FOR REFERENCE) THE DOWNSTREAM SYSTEM HAS SUFFICIENT CAPACITY TO CONVEY THE POST-DEVELOPED FLOWS FROM OUR SITE.

CALCULATIONS	
CALCULATIONS: 98th/Bluewater Commercial Development -11/02/2023	
Based on City of Albuquerque DPM, Article 6-2 Hydrology dated June 26, 2020	
100-YEAR, 6-HOUR CALCULATIONS	
AREA OF SITE:	108,939 SF = 2.50 ACRE
100-year, 6 hour	
HISTORIC FLOWS	DEVELOPED FLOWS
Treatment SF %	Treatment SF %
Area A = 108,939 100%	Area A = 0 0%
Area B = 0 0%	Area B = 52,921 49%
Area C = 0 0%	Area C = 0 0%
Area D = 0 0%	Area D = 56018 51%
Total Area = 108939 100%	Total Area = 108939 100%
On-Site Weighted Excess Precipitation (100-year, 6-Hour Storm)	
Weighted E = $E_A \cdot A_A + E_B \cdot A_B + E_C \cdot A_C + E_D \cdot A_D / (A_A + A_B + A_C + A_D)$	
Historic E = 0.55 in	Developed E = 1.51 in
On-Site Volume of Runoff: V360 = E*A/12	
Historic V360 = 4993 CF	Developed V360 = 13676 CF
On-Site Peak Discharge Rate: Total Q _p = Q _{RA} A _A + Q _{RB} A _B + Q _{RC} A _C + Q _{RD} A _D / 43,560	
For Precipitation Zone 1	
Q _{PA} = 1.54 Q _{PC} = 2.87	
Q _{PB} = 2.16 Q _{PD} = 4.12	
Historic Q _p = 3.85 CFS	Developed Q _p = 7.92 CFS



City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 02/07/24
BY: *Renee C. Brumfield*
HydroTeam # K09D048D
THE APPROVAL OF THESE PLANS REPORT SHALL NOT BE CONSIDERED TO BE A GUARANTEE OF ANY CITY OR OFFICIAL OF THE CITY OF ALBUQUERQUE. THE CITY OF ALBUQUERQUE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY ARISING OUT OF THE USE OF THESE PLANS. THE CITY OF ALBUQUERQUE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY ARISING OUT OF THE USE OF THESE PLANS. THE CITY OF ALBUQUERQUE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY ARISING OUT OF THE USE OF THESE PLANS.



243 E. 3rd Street
Long Beach, CA 90802
1333 W. McDermott Dr., Suite 200
Allen, TX 75013
Firm # F-21415

CITY OF ALBUQUERQUE PUBLIC WORKS DIVISION ENGINEERING GROUP	
Caliber Collision DRAINAGE MANAGEMENT PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
LAST DESIGN UPDATE	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO. K-9-Z
SHEET #	2

ENGINEER'S SEAL	
REGISTERED PROFESSIONAL ENGINEER	21307
NEW MEXICO	
DATE: 02/07/24	
SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY
AS BUILT INFORMATION	
CONTRACTOR	WORK
STANDARD A.C.S. BRASS TABLET	DATE
NEW MEXICO STATE PLANE COORDINATES	DATE
(CENTRAL ZONE-N.A.D. 1983)	DATE
N=1,482,904.725	DATE
E=1,496,061.706	DATE
PUB. EL.=5140.082 NAVD 1983	DATE
GROUND TO GRID FACTOR=0.99961940	DATE
DELTA ALPHA ANGLE =-0°16'38.12"	DATE