

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

March 7, 2024

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

RE: 3120 Vista Grande Dr. NW
Grading and Drainage Plan for Swimming Pool
Engineer's Stamp Date: 02/27/24
Hydrology File: G11D073

Dear Mr. Soule:

PO Box 1293
Albuquerque
NM 87103

Based upon the information provided in your submittal received 02/29/2024, the Grading and Drainage Plan for Swimming Pool is approved for Pool Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing.

At this time Hydrology will not require an engineering certification for C.O. for this permit.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette

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: 3120 VISTA GRANDE **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: tract 3A3 Block C Grande Heights SUBDIVISION
City Address: 3120 VISTA GRANDE

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: _____

Weighted E Method table with columns: Basin, Area, Area, Treatment A, Treatment B, Treatment C, Treatment D, Weighted E, Volume, Flow, Volume. Includes historical and proposed data rows.

Equations:
Weighted E = Ea*As + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)
Volume = Weighted E * Total Area
Flow = Qa * As + Qb * Ab + Qc * Ac + Qd * Ad
Where for 100-year, 6-hour storm
Ea= 0.55
Eb= 0.73
Ec= 0.95
Ed= 2.24
Developed Conditions
COMPARISON
TOTAL FLOW INCREASE 985 CF
PEAK FLOW INCREASE 0.45 CFS
PONDING PROVIDED 1095

NARRATIVE
THIS SITE IS WITHIN A FULLY DEVELOP AREA WITHIN THE WEST BLUFF AREA OF ALBUQUERQU. ALL THE ADJACENT SITES FREE DISCHARGE TO VISTA GRANDE
THIS IS NEAR THE BOTTOM OF THE DRAINAGE BASIN L BASED UPON THE ALLOWED DEVELOPMENT CRITERIA FOR THE EXISTIN BASIN WE PROPOSE FREE DISCHARGE
WE WILL RETAIN THE INCREASE IN FLOW VOLUME BASED UON THE 6-HOUR EVENT. THIS SITE IS NOT IMPACTED BY UPLAND FLOWS AND THE SITE IS TO MAINTAIN
EXISTING DRAINAGE PATTERNS

I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY
CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN
SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 12/29/21



4/19/22

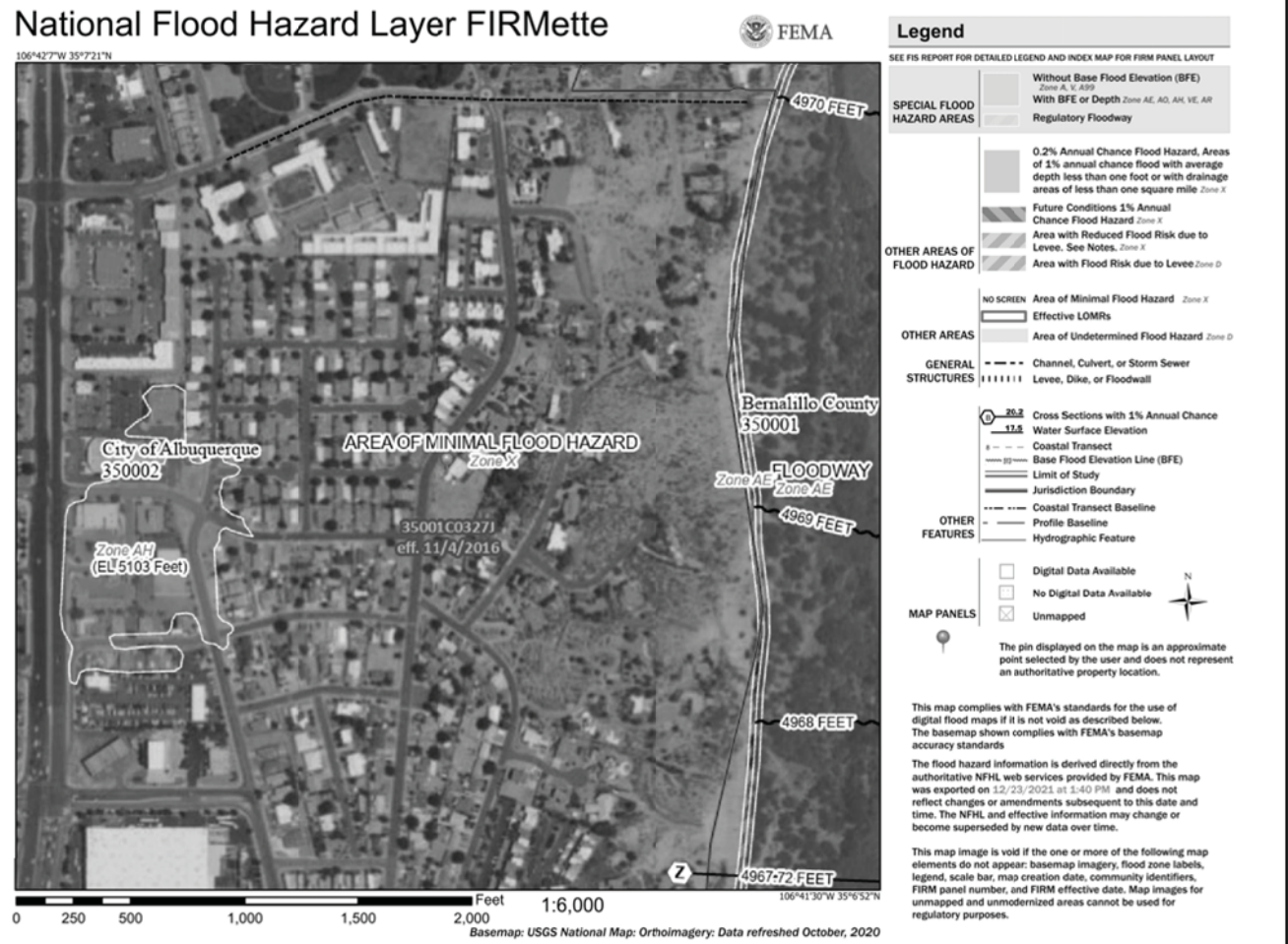


EROSION CONTROL NOTES:

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



VICINITY MAP: G-11-Z



FIRM MAP:

LEGAL DESCRIPTION:

TRACT 3A3 BLOCK C GRANDE HEIGHTS
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

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

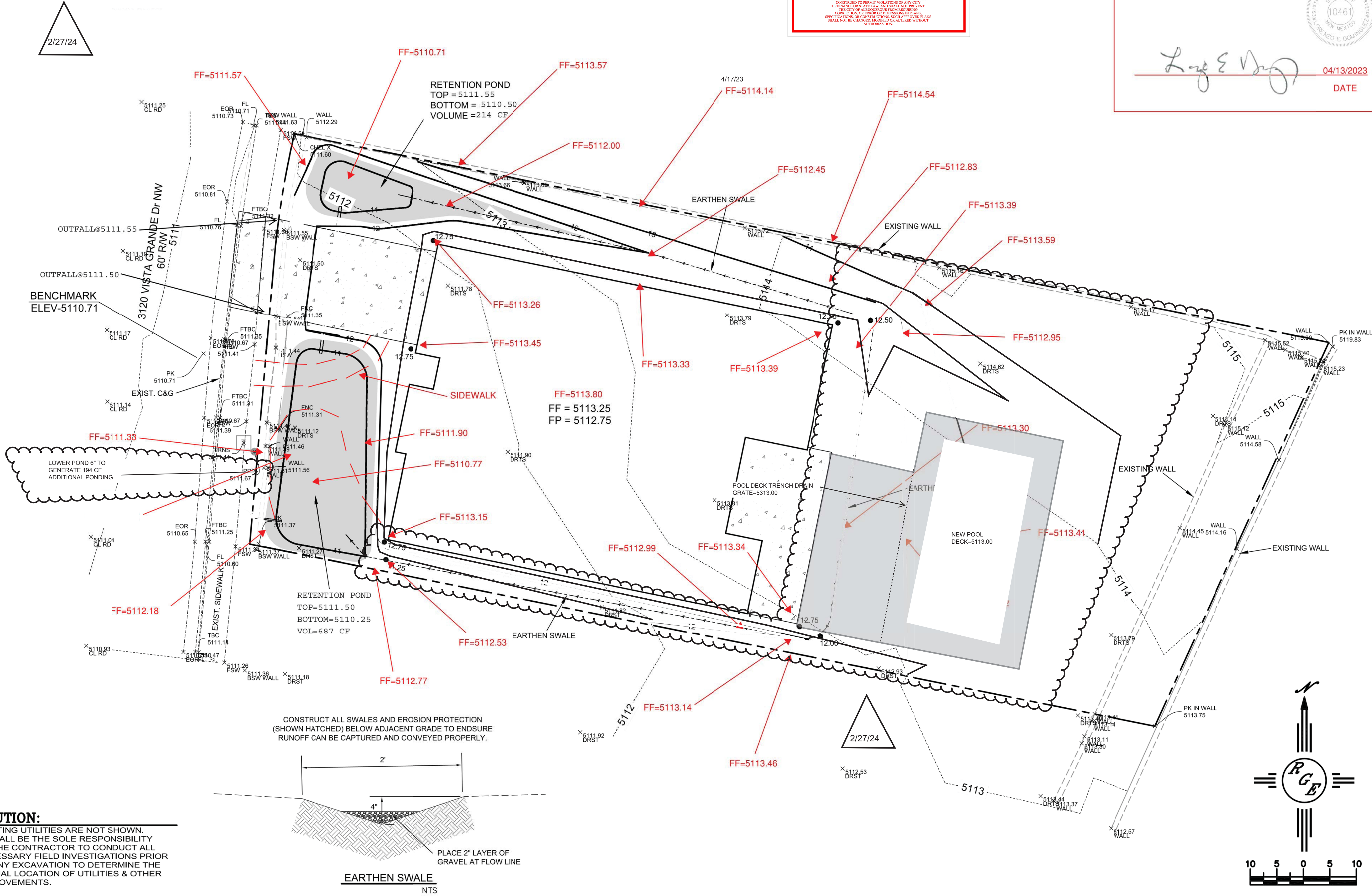
LEGEND

- 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 CONCRETE
- ===== PROPOSED PONDING



ADDED POOL, MODIFIED GRADES, CALCULATIONS AND
PONDING TO ACCOUNT FOR IMPROVEMENTS

ENGINEER'S SEAL	3120 VISTA GRANDE DR. NW	DRAWN BY DEM
DAVID SOULE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14522	GRADING AND DRAINAGE PLAN	DATE 12-24-21
2/27/24 12/29/21	Rio Grande Engineering	3120 VISTA GRANDE.DWG
DAVID SOULE P.E. #14522	PO BOX 53824 ALBUQUERQUE, NM 87199 (505) 321-8099	SHEET # C1
		JOB #



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.