

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

March 3, 2021

David Soule, P.E.
Rio Grande Engineering
PO Box 93924
Albuquerque, New Mexico 87199

RE: **Lot 4 Block 4 Unit 22 SAD 228
6416 Papagayo Rd. NW
Volcano Cliffs Subdivision
Grading and Drainage Plan
Engineers Stamp Date 2/22/2021 (D10D003D4)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 3/3/2021, this plan is approved for Grading Permit.

Prior to Building permit approval a Pad Certification will be required, provided by the Engineer or a registered Land Surveyor.

Advise the owner contractor not to use dirt as a ramp to climb the curb, use lumber or crusher fines for this purpose.

Reiterate to the Owner/Contractor that a separate permit for a garden/retaining wall must be obtained with the approved G&D plan and Pad Certification. Also, if a swimming pool is to be placed the grading and drainage plan will change and will need to be resubmitted.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist is required.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

Sincerely,

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 6416 papagagayo Building Permit #: _____ Hydrology File #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: LOT 4, Block 4 VOLCANO CLIFFS UNIT 22

City Address: 6416 papagayo

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

| Basin | Area (sf) | Area (acres) | Treatment A (%) | Treatment B (%) | Treatment C (%) | Treatment D (%) | Weighted E (ac-ft) | 100-Year, 6-hr. | | 24 hour Volume (ac-ft) |
|------------|--------------|-----------------|--------------------|--------------------|--------------------|--------------------|-----------------------|-----------------|-------|------------------------------|
| | | | | | | | | Volume | Flow | |
| ALLOWED | 14020.00 | 0.322 | 0% | 0 | 20% | 0.064 | 46% | 0.1481 | 34% | 0.109 |
| PROPOSED | 14020.00 | 0.322 | 0% | 0 | 20% | 0.064 | 29% | 0.0933 | 51% | 0.164 |
| COMPARISON | | | | | | | | 1.259 | 0.034 | 1.03 |
| | | | | | | | | 1.426 | 0.038 | 0.045 |
| | | | | | | | | | 1.12 | |
| | | | | | | | | 0.004 | | 0.007 |

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm- zone 1

Ea= 0.44
Eb= 0.67
Ec= 0.99
Ed= 1.97

Qa= 1.29
Qb= 2.03
Qc= 2.87
Qd= 4.37

ONSITE Conditions

FIRST FLUSH WATER QUALITY VOLUME
REQUIRED (CF)

PROVIDED (CF)

WATER QUALITY
FLOOD CONTROL

0
286

89
289

Narrative

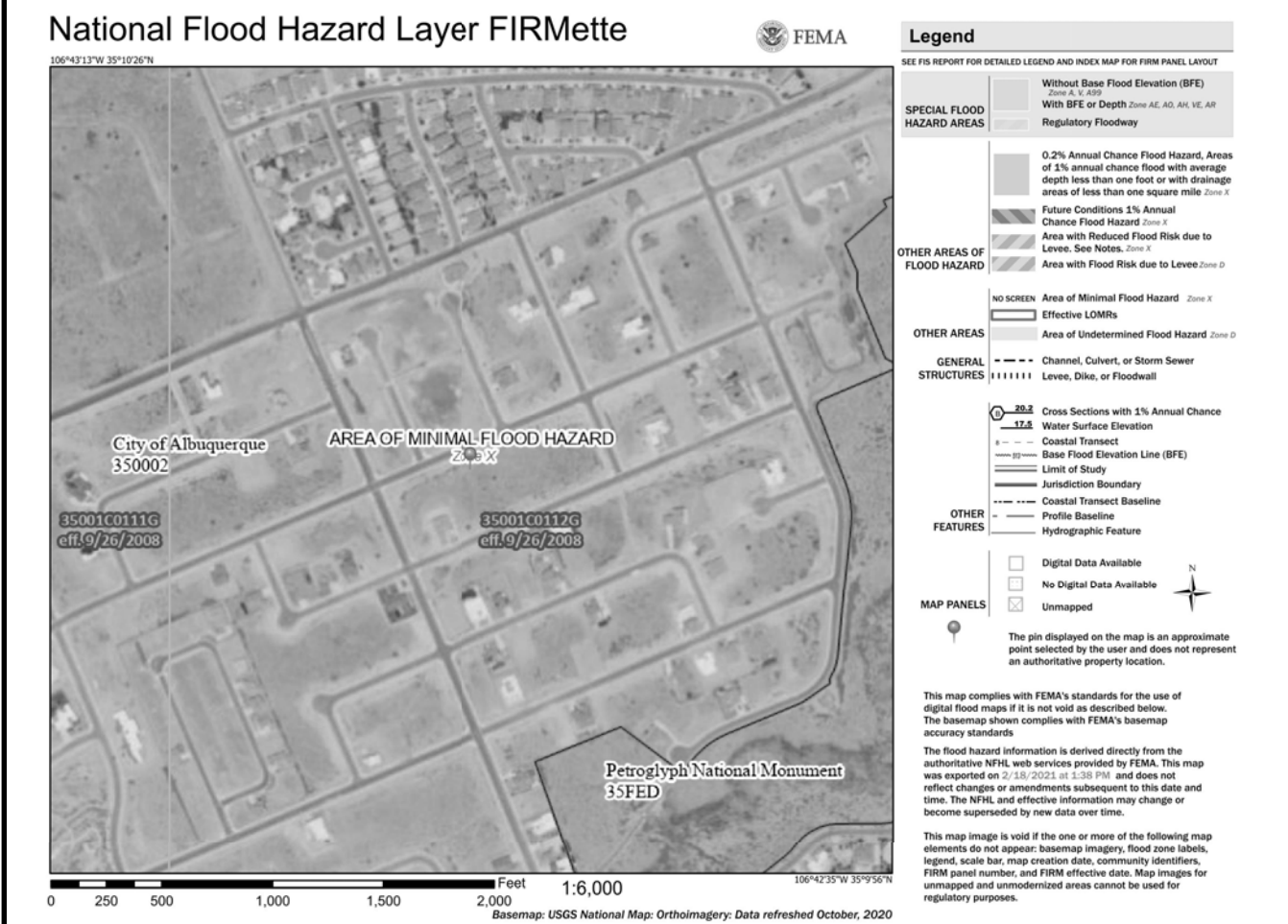
This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent roadway. The site does exceed the SAD 228 developed conditions assumptions therefore ponding is required Upland flow has the ability to enter the site from the rear yard of the lot to the south, this flow is allowed to pass. This plan is in conformance to the master drainage plan

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:



FIRM MAP:

LEGAL DESCRIPTION:

LOT 4 BLOCK 4 UNIT 22 VOLCANO CLIFFS SUBDIVISION
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

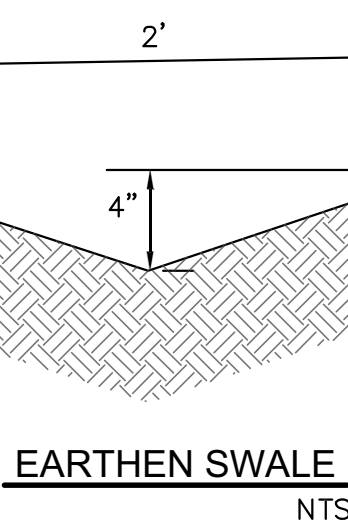
NOTES:

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

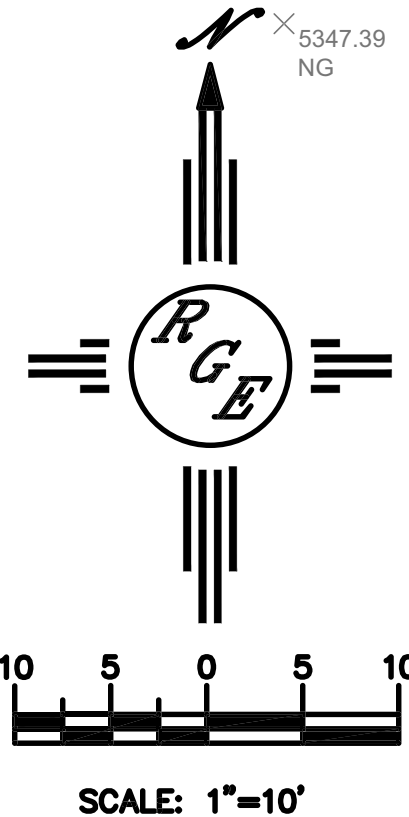
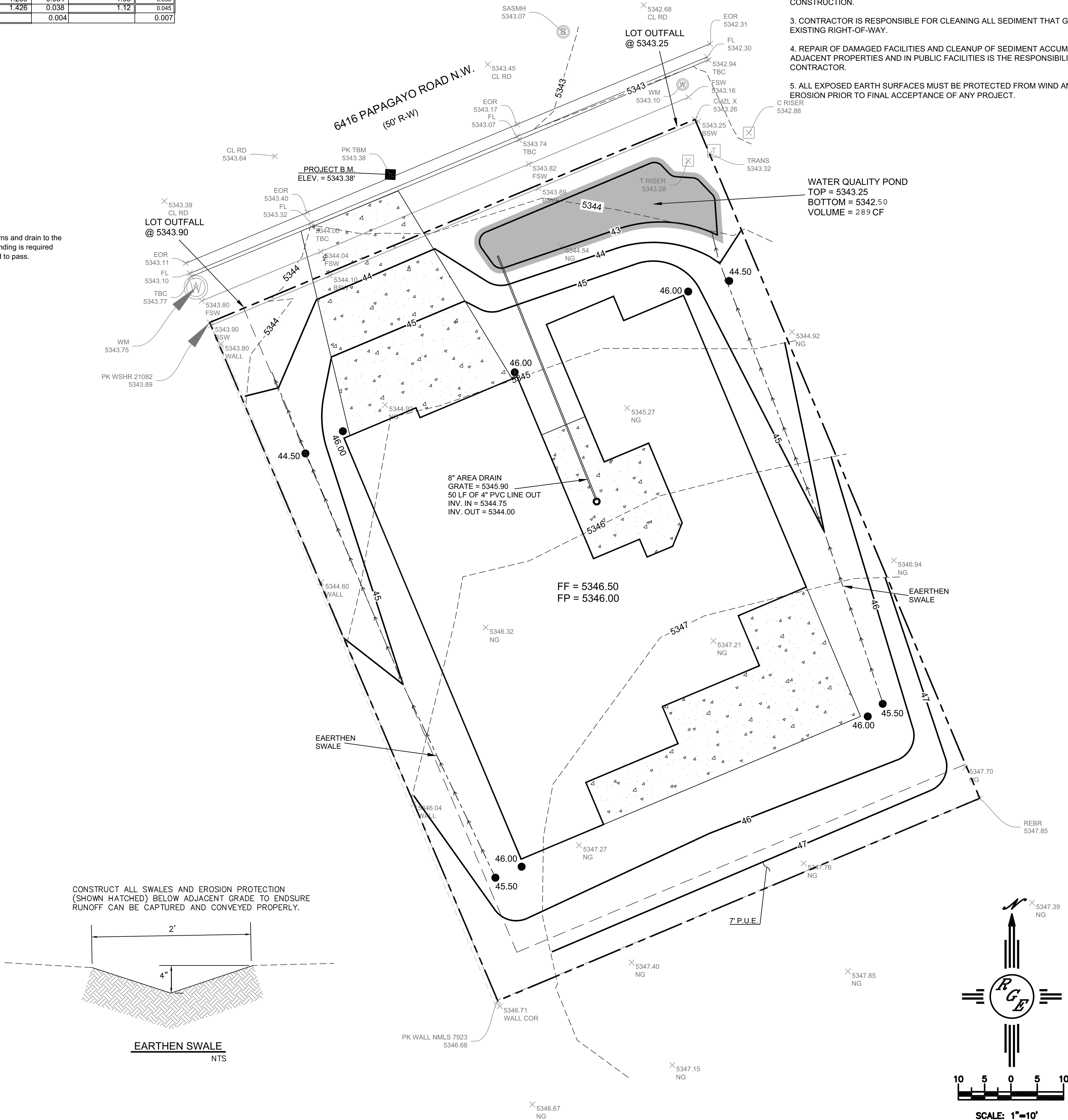
| | | | |
|-------|------|-----|--------------------------|
| --- | XXXX | --- | EXISTING CONTOUR |
| --- | XXXX | --- | EXISTING INDEX CONTOUR |
| --- | XXXX | --- | PROPOSED CONTOUR |
| --- | XXXX | --- | PROPOSED INDEX CONTOUR |
| + | XXXX | | EXISTING SPOT ELEVATION |
| ● | XXXX | | PROPOSED SPOT ELEVATION |
| --- | | | BOUNDARY |
| --- | | | ADJACENT BOUNDARY |
| ===== | | | EXISTING CURB AND GUTTER |
| --- | --- | | PROPOSED EARTHEN SWALE |
| --- | --- | | PROPOSED CONCRETE |

CONSTRUCT ALL SWALES AND EROSION PROTECTION (SHOWN HATCHED) BELOW ADJACENT GRADE TO ENSURE RUNOFF CAN BE CAPTURED AND CONVEYED PROPERLY.



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 4 BLK 4 U 22 VC 6416 PAPAGAYO ROAD NW | DRAWN BY DEM |
| DAVID SOULE REGISTERED PROFESSIONAL ENGINEER 14522 | GRADING AND DRAINAGE PLAN | DATE 2-21-21 |
| 2/22/21 | Rio Grande Engineering | LOT 4 BLK 4 U 22 VC.DWG |
| DAVID SOULE P.E. #14522 | | SHEET # C1 |
| | | JOB # |