

Weighted E Method												
100-Year, 6-hr.												
Basin	Area (sf)	Area (acres)	Treatment A % (acres)	Treatment B % (acres)	Treatment C % (acres)	Treatment D % (acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs			
ALLOWED	21133.00	0.485	0%	0	20%	0.097	46%	0.2232	34%	0.165	1.259	0.051
PROPOSED	21133.00	0.485	0%	0	20%	0.097	33%	0.1601	47%	0.228	1.387	0.056
COMPARISON												0.005

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= 1.29	Qa= 1.29
Eb= 0.44	Qb= 0.44
Ec= 0.67	Qc= 0.67
Ed= 0.99	Qd= 0.99
Ed= 1.97	Qd= 4.37

ONSITE Conditions

FIRST FLUSH WATER QUALITY
REQUIRED
(CF)

PROVIDED
(CF)

WATER QUALITY
FLOOD CONTROL

Narrative

This site is within the SAD 226 Master Drainage plan boundaries. The site is to maintain existing patterns and drain the majority of the house to the fror and the remainder will drain to the west where it overflows to the historical outfall. We are ponding 1274 CF for water harvesting quality purposes there is no upland flow. This plan does exceed the allowed impervious area therefore we are required to retain . This plan is in conformance to the master drainage plan

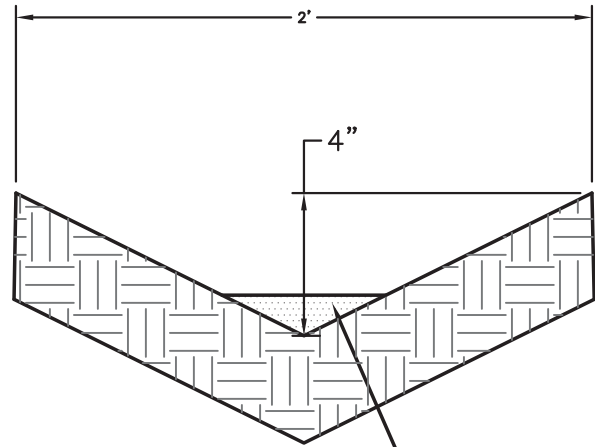
I, DAVID SOULE HAVE PERSONALLY INPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 8/9/22



12/7/22

EROSION CONTROL NOTES:

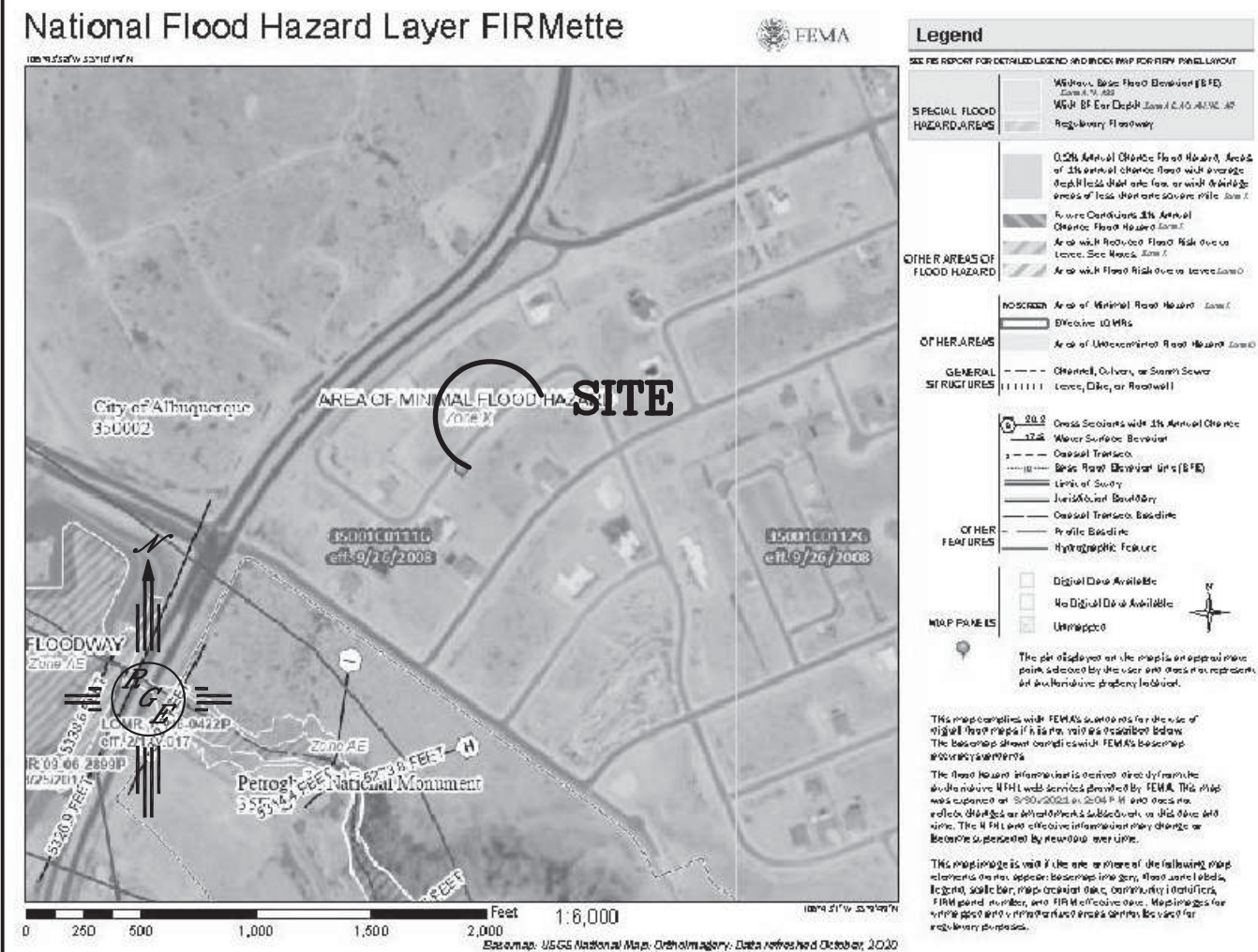
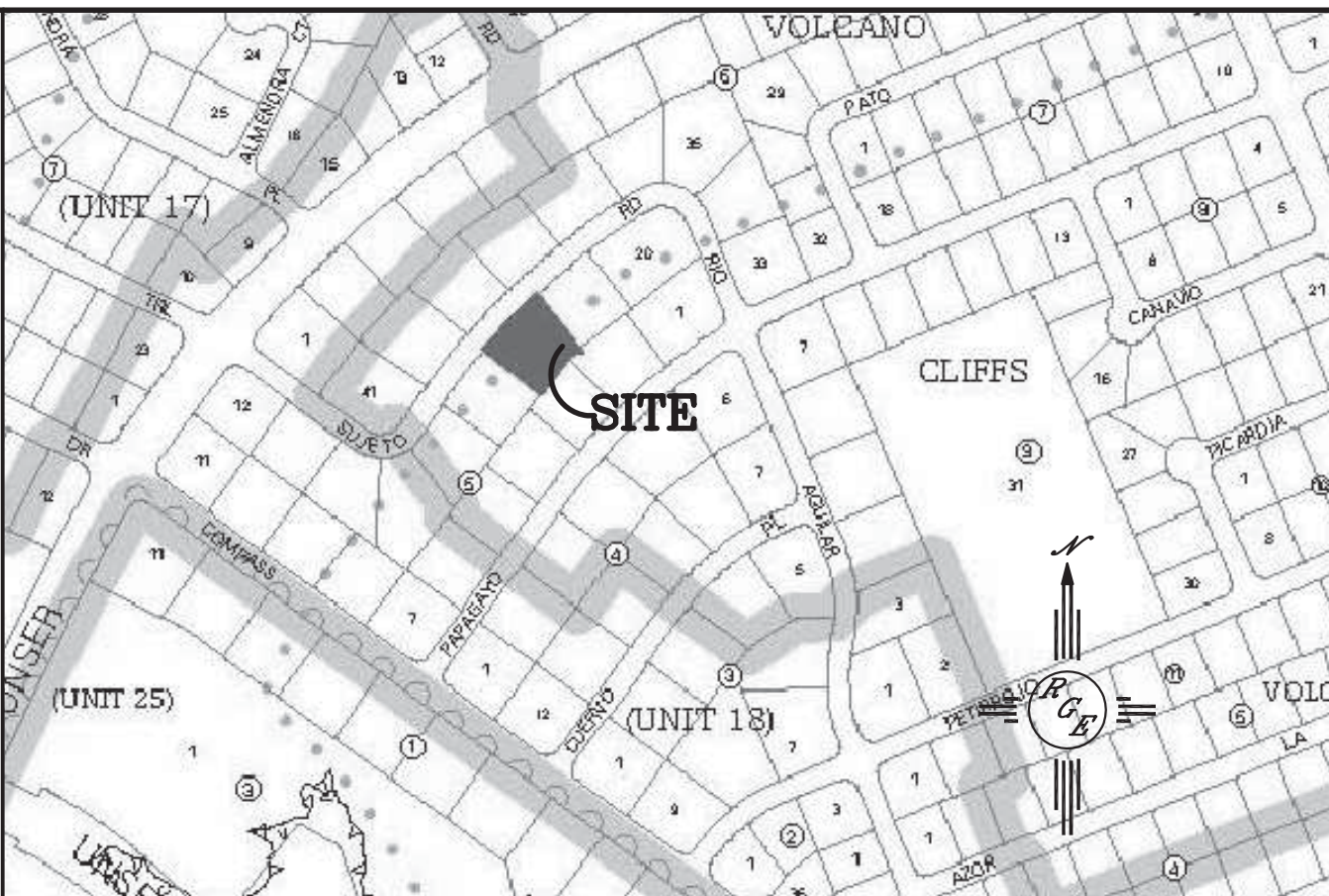
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES 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.



PLACE 3/4" GRAVEL AT FLOWLINE FOR EROSION PROTECTION

EARTHEN SWALE DETAIL

NTS



FIRM MAP:

LEGAL DESCRIPTION:

LOT 18, BLOCK 5, VOLCANO CLIFFS UNIT 18

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.

LEGEND

- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- PROPOSED CONTOUR
- PROPOSED INDEX CONTOUR
- SLOPE TIE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- LOT LINE
- CENTERLINE
- RIGHT-OF-WAY
- PROPOSED 4" PVC SD
- GRAVEL LINED SWALE
- EXISTING CURB AND GUTTER
- PROPOSED CMU RETAINING WALL-DESIGN BY OTHERS

ADDED SHED, UPDATED POND VOLUME AND DRAINAGE CALCULATIONS TO ACCOMMODATE SHED

ENGINEER'S SEAL 8/9/22 4/6/21 DAVID SOULE P.E. #14522	6624 SUJETO	DRAWN BY: WCVJ
	GRADING AND DRAINAGE PLAN	DATE: 4-02-21
 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # —	JOB # 21021039

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.

