

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 (ac-ft)	Volume (ac-ft)	Flow cfs									
NATIVE	14287.00	0.328	80%	0.262	10%	0.033	10%	0.0328	0.000	0.518							0.50	
ALLOWED	14287.00	0.328	0%	0	10%	0.033	40%	0.1312	50%	0.164	1.448							1.18
total proposed	14287.00	0.328	0%	0	26%	0.085	40%	0.1312	34%	0.112	1.240							0.34
UPLAND	13662.00	0.314	0%	0	10%	0.031	40%	0.1255	50%	0.157	1.448							1.04

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

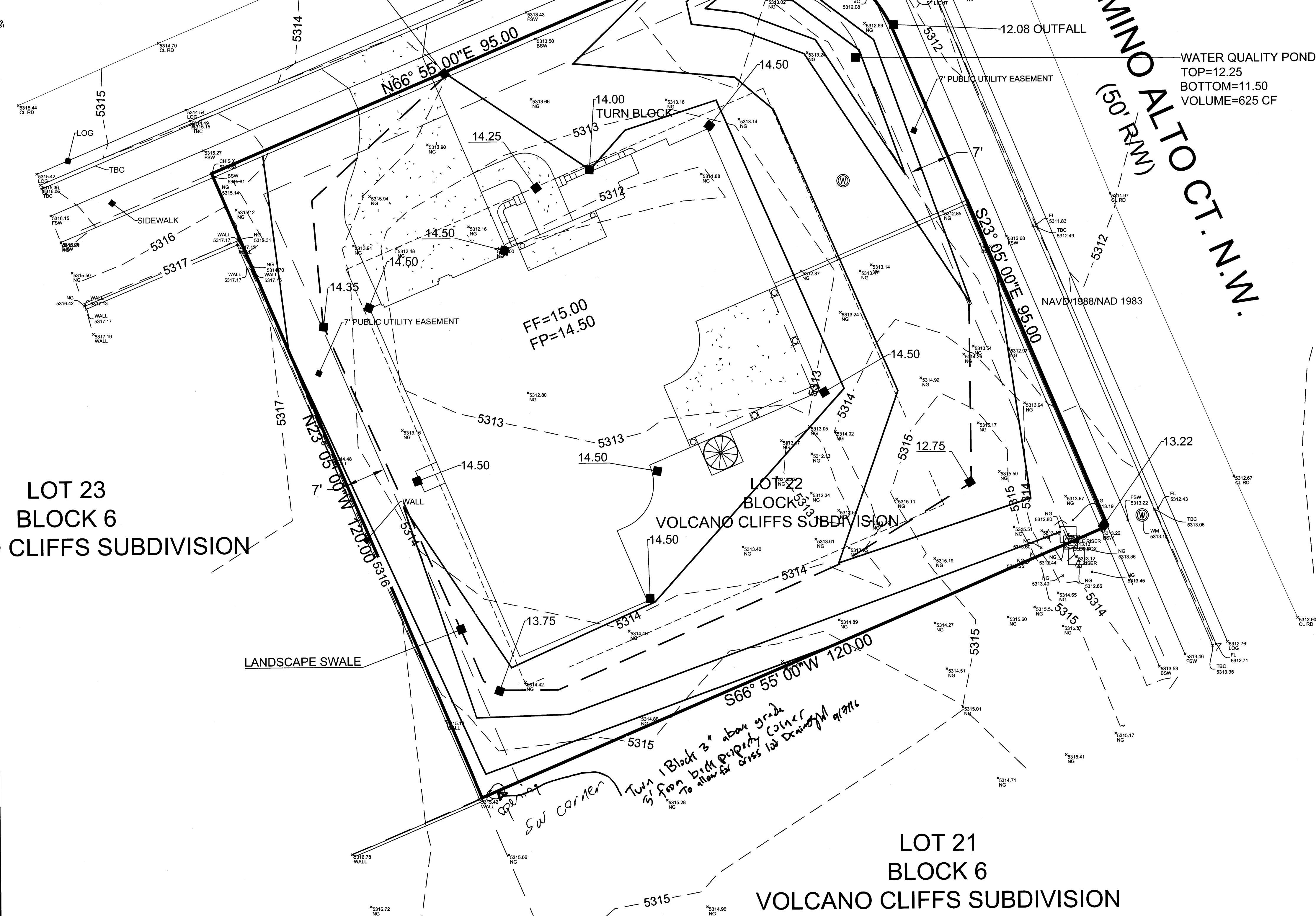
ONSITE Conditions

FIRST FLUSH WATER QUALITY VOL
REQUIRED (CF)
138
0

PROVIDED (CF)
625
0

Narrative

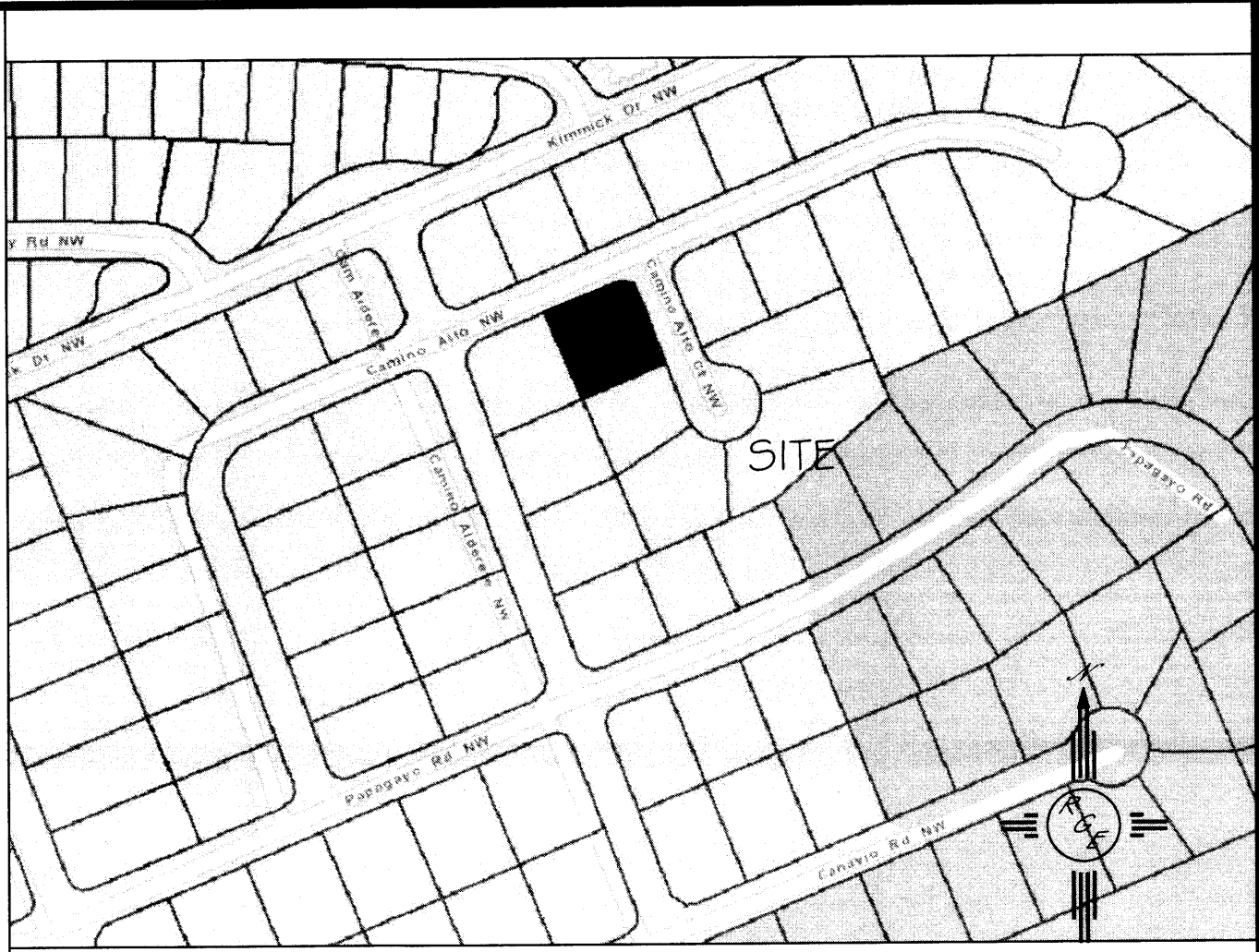
This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the adjacent property per the master drainage plan. We are ponding the water harvest volume generated by the site we are allowing the upland flow to pass thru the site. This plan has a shallow water harvest pond in excess of the drainage regulations. This plan is in conformance to the masterplan



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 (CITY) ACCEPTANCE OF ANY PROJECT.

Point Table				
Point #	Elevation	Northing	Easting	Description
1003	5315.33	1518417.46	1502467.52	CHIS X
1168	5313.32	1518371.85	1502670.92	CHIS X
1185	5318.28	1518380.78	1502379.92	CHIS X
1186	5320.04	1518348.08	1502366.54	CHIS X
1187	5323.55	1518260.48	1502403.28	CHIS X



VICINITY MAP:



FIRM MAP:

FM35043C2125D

LEGAL DESCRIPTION:

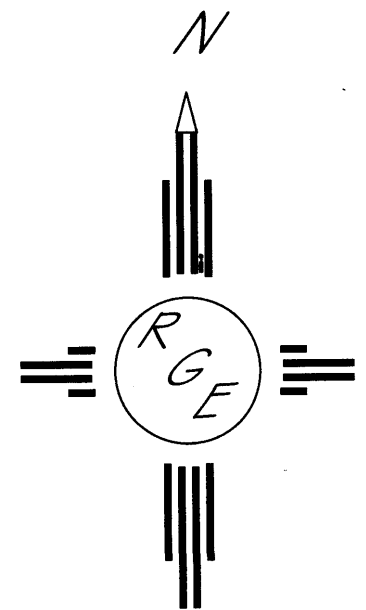
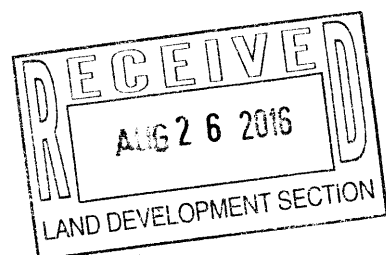
LOT 22, BLOCK 6 VOLCANO CLIFFS UNIT 22

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THIS PLAN WAS OBTAINED BY CONSTRUCTION SURVEY TECHNOLOGIES, DAVID ACOSTA PLS 21081, APRIL 2016

LEGEND

- 5411--- EXISTING CONTOUR
- 5410--- EXISTING INDEX CONTOUR
- 5411--- PROPOSED CONTOUR
- 5410--- PROPOSED INDEX CONTOUR
- FLOW DIRECTION-SWALE
- PROPOSED SPOT (FLOW-LINE)



GRAPHIC SCALE

SCALE: 1"=10'

ENGINEER'S SEAL 8/25/16 DAVID SOULE P.E. #14522	LOT 22 BLOCK 6 UNIT 22 VOLCANO CLIFFS SUBDIVISION	DRAWN BY JDG
	GRADING AND DRAINAGE PLAN	DATE 08-25-2016
 Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET #	1 OF 1
	JOB #	