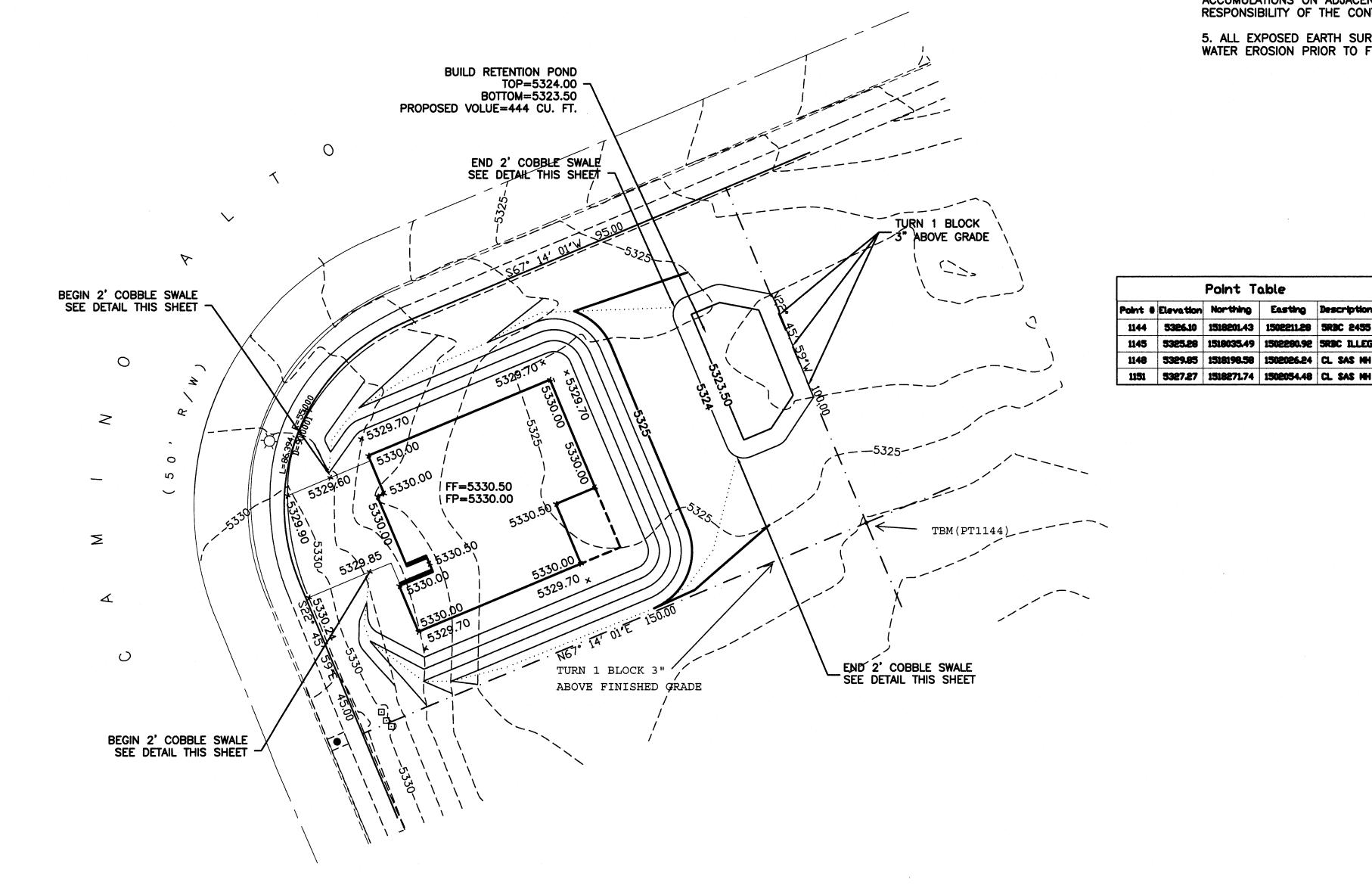
CAUTION:

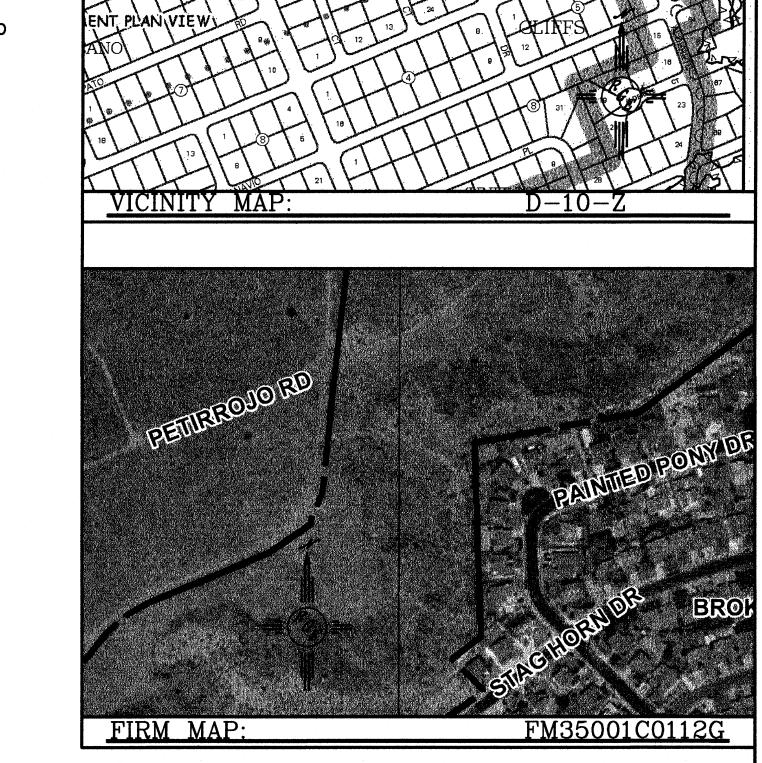
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER



EROSION CONTROL NOTES:

Point Table

- 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.



LEGAL DESCRIPTION: LOT 5 BLOCK 3, UNIT 22 VOLCANO CLIFFS SUBDIVISION

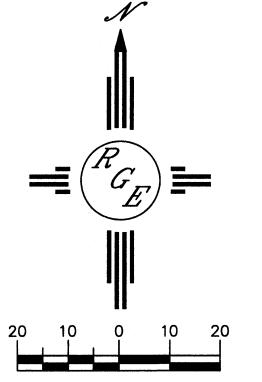
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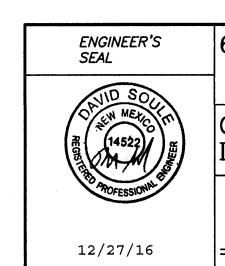
3. SURVEY PROVIDED BY ALDRICH LAND SURVEYING, BASED UPON NAVD 1988

LEGEND

---- EXISTING CONTOUR ---- EXISTING INDEX CONTOUR PROPOSED CONTOUR --- PROPOSED INDEX CONTOUR SLOPE TIE EXISTING SPOT ELEVATION * XXXX XXXX PROPOSED SPOT ELEVATION CENTERLINE RIGHT-OF-WAY



SCALE: 1"=20'



DAVID SOULE P.E. #14522

6320 CAMINO ALTO GRADING AND DRAINAGE PLAN



BY WCWJ

21647-LAYOUT-12-27-

SHEET #

JOB #

21647

12-27-16

Weighted E Method

-												**************************************					
														100-Year, 6-hr.			
	Basin	Area	Area	Treat	ment A	Treat	ment B	Treat	ment C	Treat	ment DV	Veighted	Volume	Flow			
		(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs			
ı	NATIVE	14237.00	0.327	80%	0.261	10%	0.033	10%	0.0327	0%	0.000	0.518	0.014	0.50			
	ALLOWED	14237.00	0.327	0%	0	10%	0.033	40%	0.1307	50%	0.163	1.448	0.039	1.16			
	PROPOSED	14237.00	0.327	0%	0	32%	0.105	42%	0.1373	26%	0.085	1.142	0.031	0.98			
	total																

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 Qb= 2.03 Qc= 2.87 Ec= 0.99

Ed= 1.97

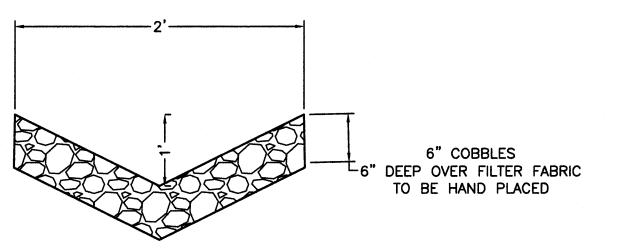
ONSITE Conditons FIRST FLUSH WATER QUALITY VOL

PROVIDED REQUIRED (CF) 444 WATER QUALITY

Narrative

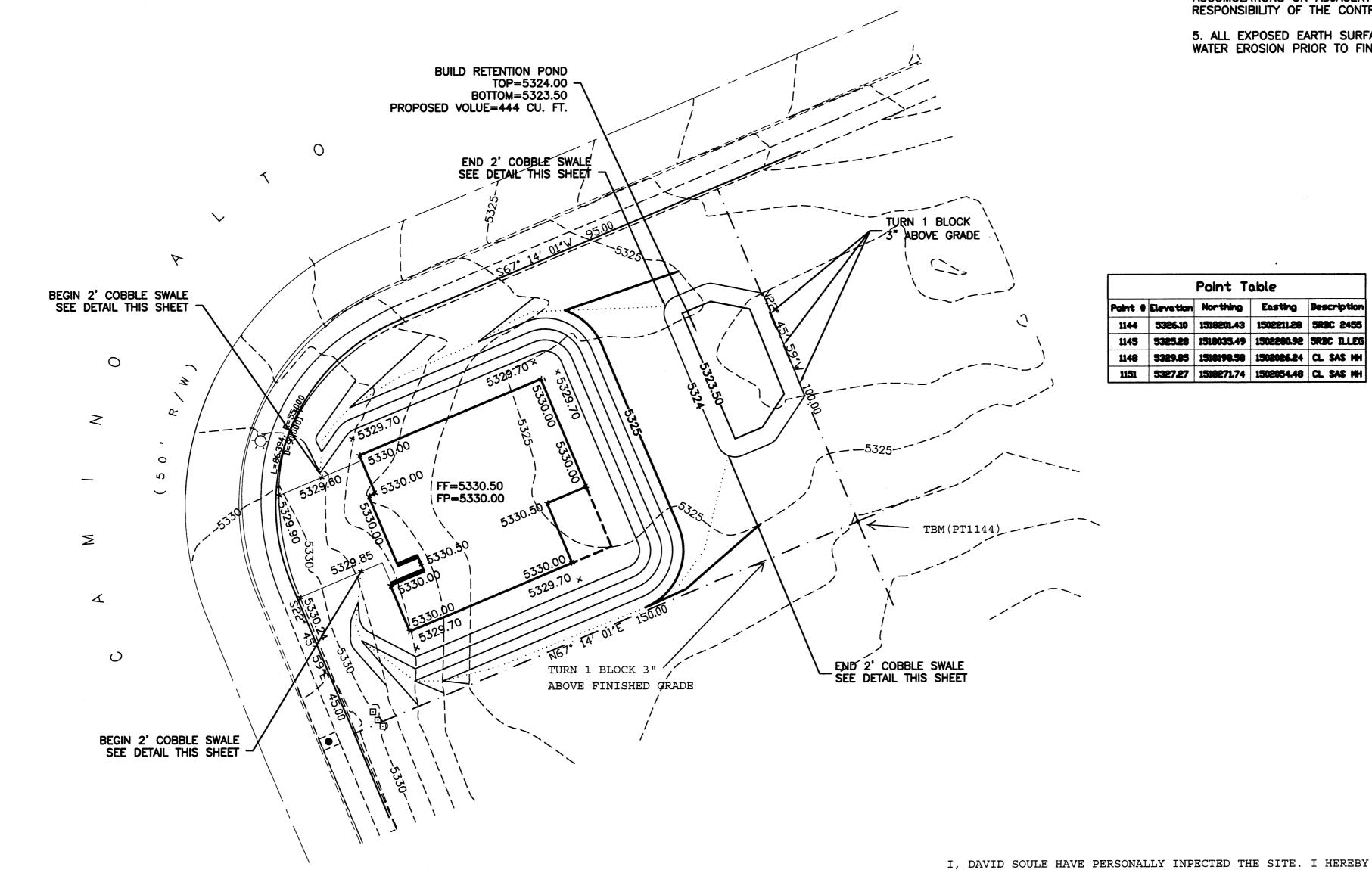
This site is within the SAD 228 Master Drainage plan boundaries. The site is to maintain existing patterns and drain to the the adjacent property per the master drainage plan. We are ponding the water harvest volume generated by the site we are allowing the upland flow to pass thru the site. This plan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

Qd= 4.37



COBBLE SWALE DETAIL NTS

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COBBLE SWALE DETAIL NTS

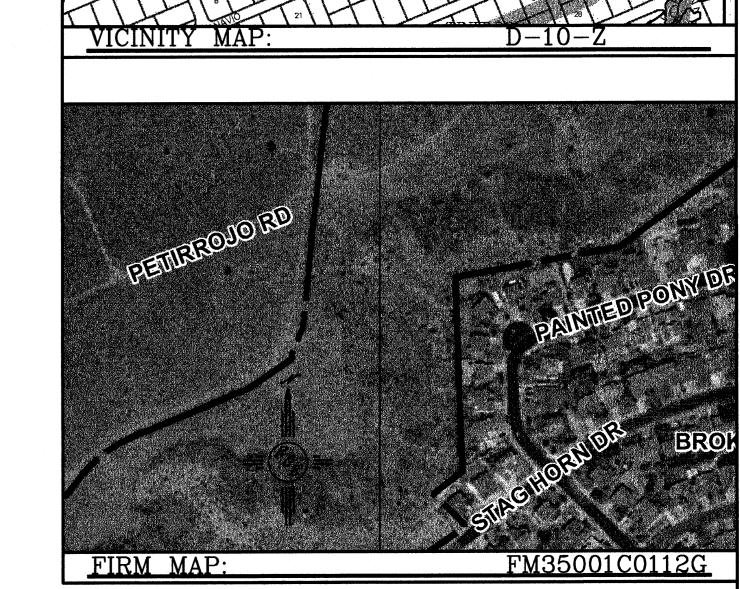
DEEP OVER FILTER FABRIC

TO BE HAND PLACED

EROSION CONTROL NOTES:

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												100-Year, 6-hr.		
Basin	Area	Area	Treatment A		Treatment B		Treatment C		Treatment DW		Veighted	Volume	Flow	
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CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 12/27/17 BASED UPON APPROVAL FROM DESIGN ENGINEER THE PAD HAS BEEN CONSTRUCTED 4" LOWER. THE DRAINAGE CONCEPT HAS NOT CHANGED. I CERTIFY THE PAD IS AT A GRADE THAT CONFORMS TO THE APPROVED PLAN AND ACCEPTABLE FOR RELEASE OF BUILDING PERMIT



1/31/17

