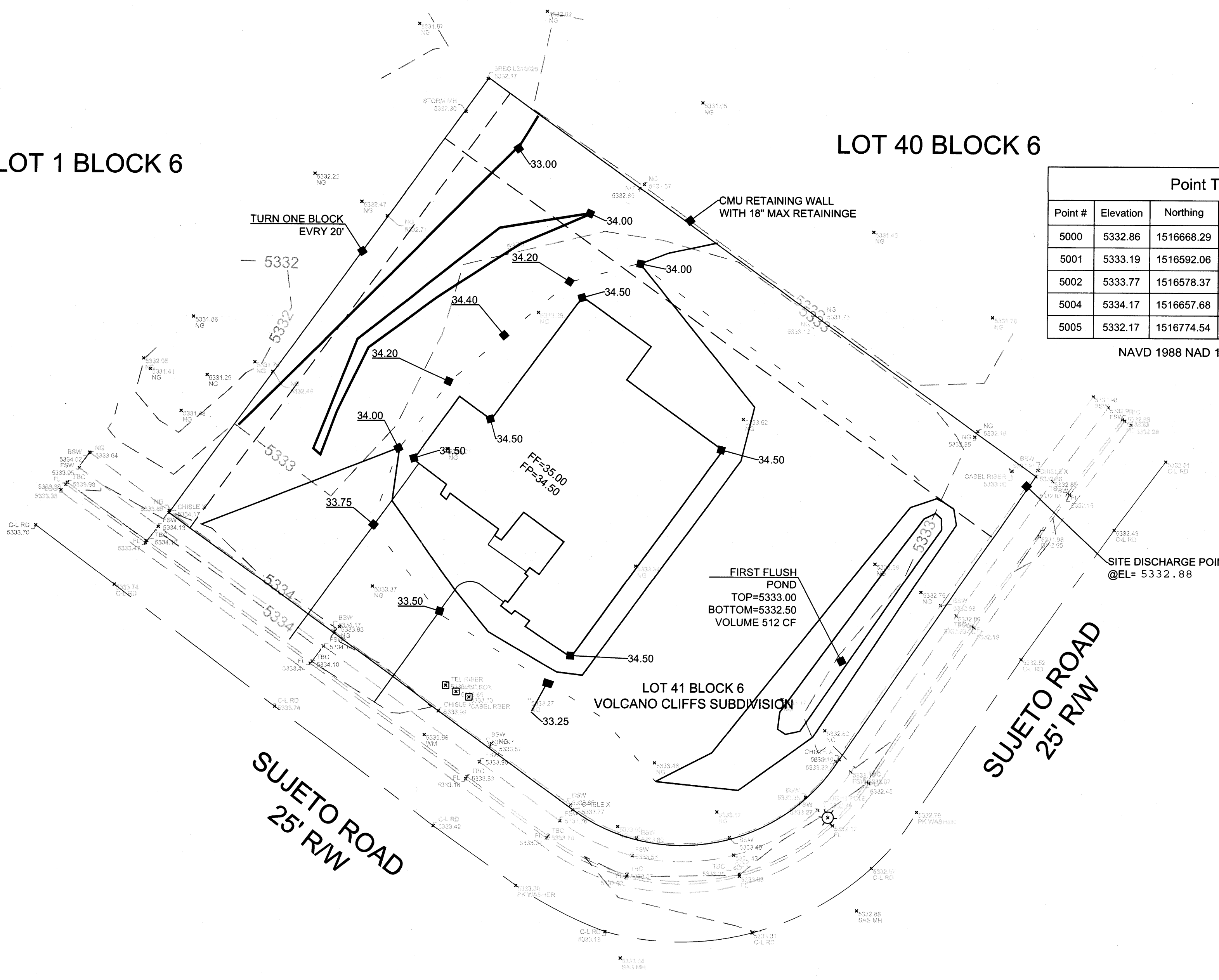


Weighted E Method											
WATER	AREA	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
NATIVE	2555.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALLOWED	2555.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PROPOSED	2555.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INCREASE											
SUM											

Equations:
Weighted E = $E_1A_1 + E_2A_2 + E_3A_3 + E_4A_4$ (Total Area)
Volume = Weighted E * Total Area
Flow = $Q_1 + Q_2 + Q_3 + Q_4 + Q_5 + Q_6 + Q_7 + Q_8 + Q_9 + Q_{10}$
Where for 100-year, 6-hour storm: zone 1
Q1= 1.29
Q2= 0.67
Q3= 0.69
Q4= 2.87
Q5= 1.97
Q6= 4.37
ON-SITE Conditions:
FIRST FLUSH WATER QUALITY VOLUME REQUIRED (CF) 154
PROVIDED (CF) 832
Narrative:
This site is within the SAG 228 Master Drainage plan boundaries. The site is to drain to the adjacent street per the master drainage plan. We are ponding the water harvest volume generated by the site we are allowing for minor, upland flow to pass thru the site. This plan has a shallow water harvest pond per the drainage request. This plan is in conformance to the masterplan.

LOT 1 BLOCK 6

LOT 40 BLOCK 6

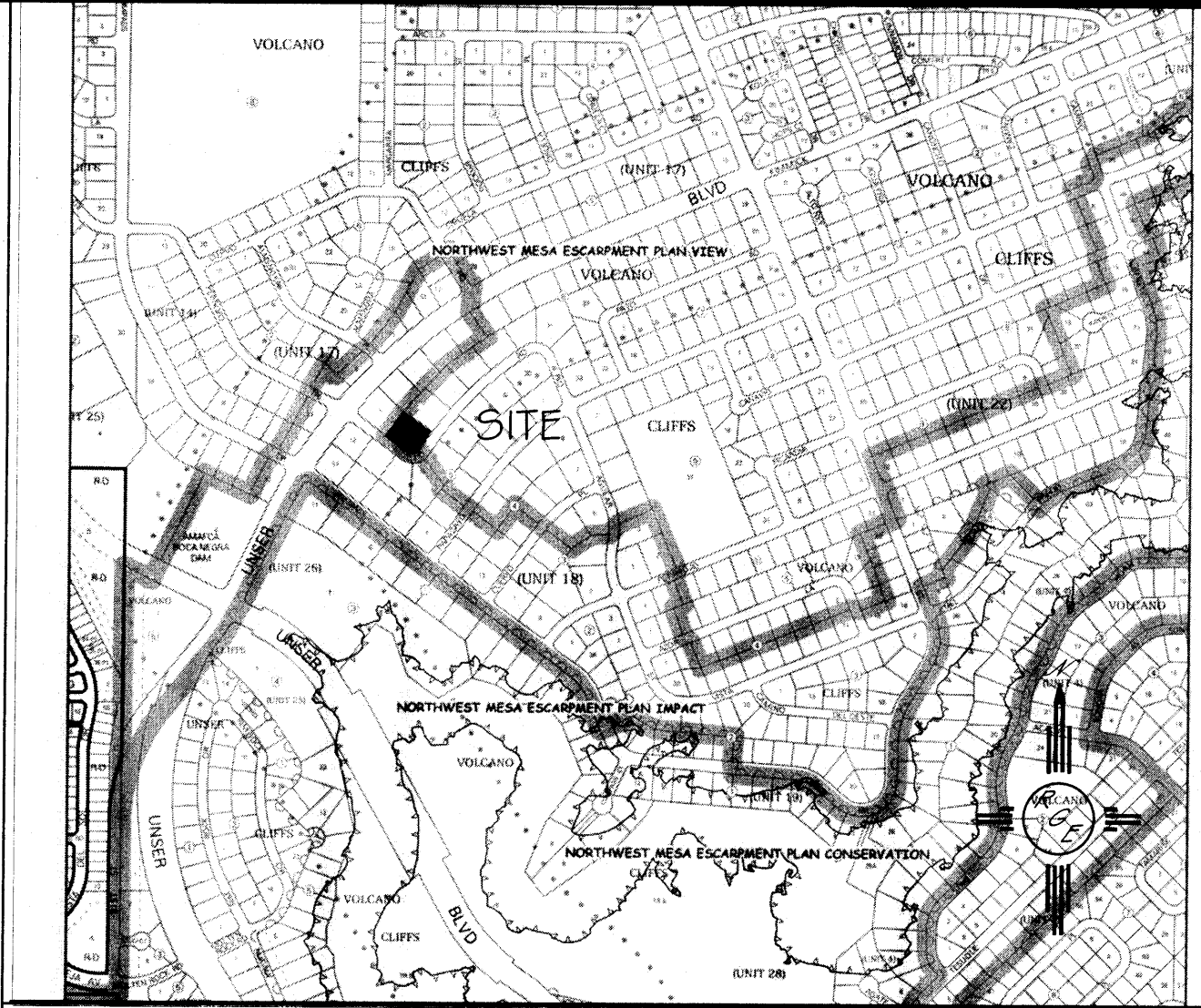


Point Table				
Point #	Elevation	Northing	Easting	Description
5000	5332.86	1516668.29	1499211.08	CHISLE X
5001	5333.19	1516592.06	1499159.08	CHISLE X
5002	5333.77	1516578.37	1499087.66	CHISLE X
5004	5334.17	1516657.68	1498978.81	CHISLE X
5005	5332.17	1516774.54	1499063.74	SRBC LS10025

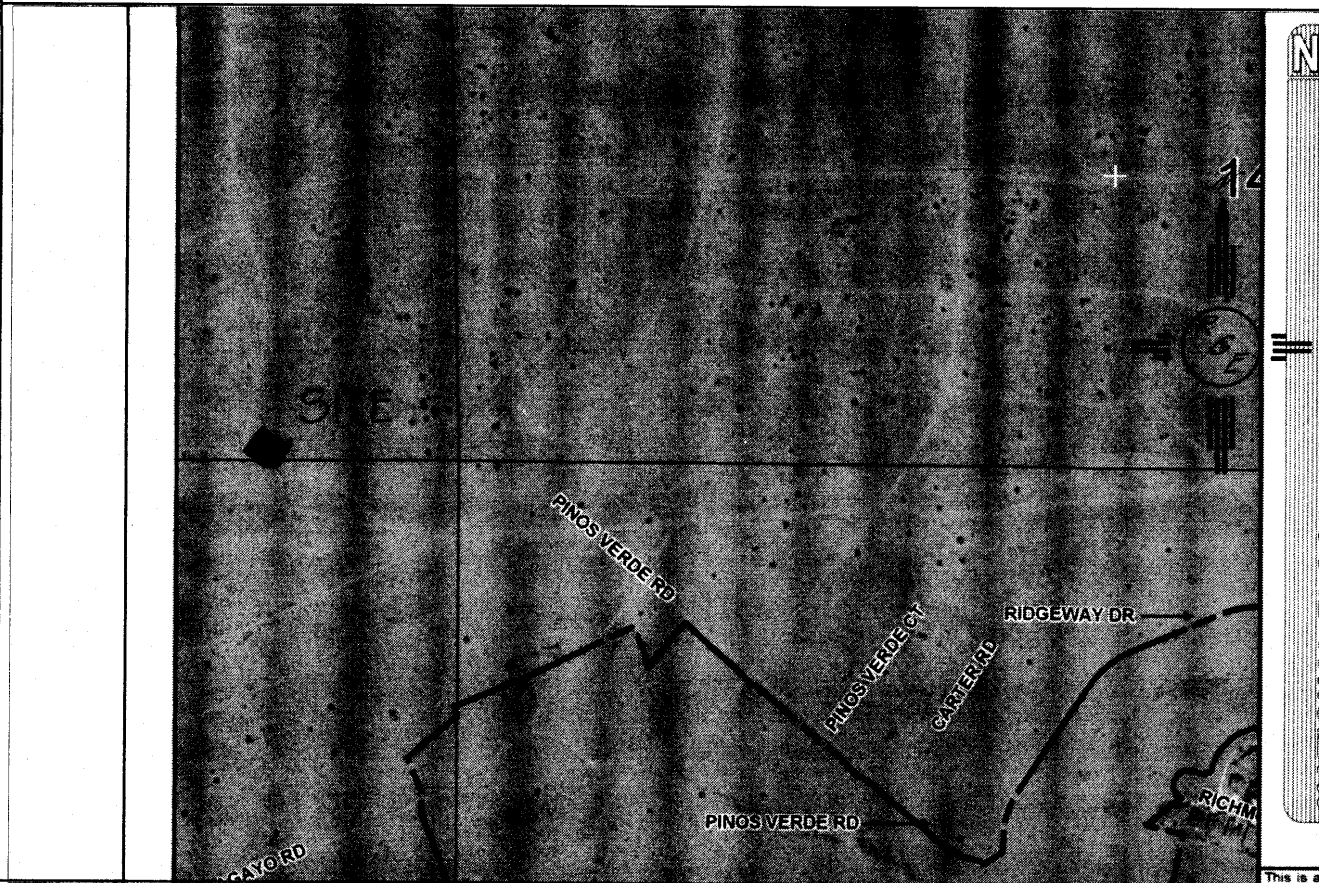
NAVD 1988 NAD 1983

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.



VICINITY MAP:



FIRM MAP:

FM35001CO112G

LEGAL DESCRIPTION:

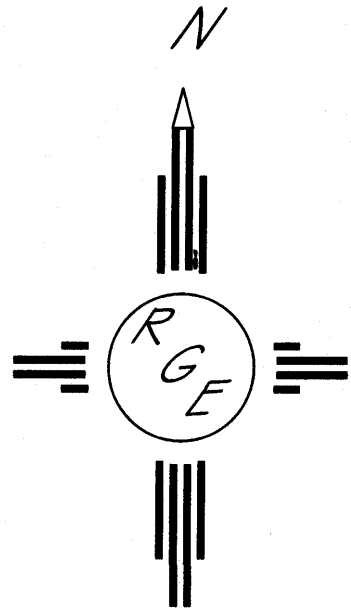
LOT 41, BLOCK 6 VOLCANO CLIFFS, UNIT 18

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"=20'

ENGINEER'S SEAL	LOT 41, BLOCK 6, UNIT 18 VOLCANO CLIFFS SUBDIVISION	DRAWN BY JDG
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER	GRADING AND DRAINAGE PLAN	DATE 04-21-2016
4/20/16	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # 1 OF 1
DAVID SOULE P.E. #14522		JOB #