

ETENTION PONE

- DRAINAGE AREA -ACRES





VICINITY MAP - Zone Map F-13-Z Legal Description: Tract 2, Our Lady of Guadalupe and Tract 144A1, Cordova's Subdivision City of Albuquerque, NM. 10.19 Acres.

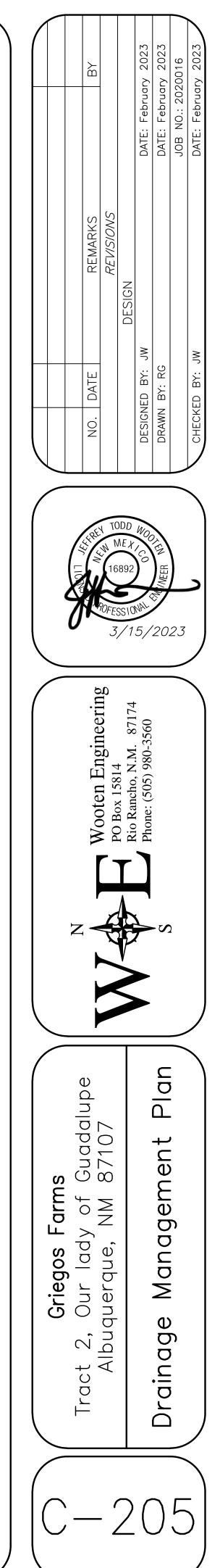


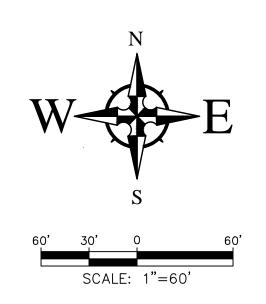
FIRM MAP 35001CXXXXXH

Per FIRM Map 35001C0555H, dated August 16, 2012, the site is not located in the Floodplain and determined to be outside the 0.2% chance Annual Floodplain.

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ļ	5.45				n			
ļ	To	I (100)	Q(100)	Q(100)	WTE	V(100)380	V(100)10day	Comments
	(min)	(in/hr)	(cts/ac.)	(CFS)	(inches)	(CF)	(CF)	<b>B 1 1 1 1 1</b>
	12.00	3.05	1.92	0.83	1.03	1608	1608	Retained within site
	12.00	3.18	2.09	0.90	1.16	1811	2060	Retained within site
	12.00	3.11	2.00	1.40	1.10	2782	2986	Retained within site
	12.00	3.05	1.92	0.77	1.03	1496	1496	Retained within site
	12.00	3.05	1.92	0.38	1.03	748	748	Retained within site
	12.00	3.11	2.00	1.52	1.10	3021	3242	Retained within site
	12.00	3.05	1.92	1.15	1.03	2243	2243	Retained within site
	12.00	3.57	2.63	2.47	1.55	5289	7473	Retained within site
	12.00	3.05	1.92	0.75	1.03	1458	1458	Retained within site
	12.00	3.18	2.09	0.65	1.16	1305	1485	Retained within site
	12.00	3.05	1.92	0.21	1.03	411	411	Retained within site
	12.00	3.05	1.92	0.77	1.03	1496	1496	Retained within site
	12.00	3.05	1.92	1.17	1.03	2281	2281	Retained within site
	12.00	3.05	1.92	0.27	1.03	523	523	Retained within site
	12.00	3.18	2.09	1.15	1.16	2316	2635	Retained within site
	12.00	3.05	1.92	1.59	1.03	3103	3103	Retained within site
	12.00	3.18	2.09	1.84	1.16	3706	4217	Retained within site
	12.00	3.05	1.92	0.94	1.03	1832	1832	Retained within site
	12.00	3.11	1.38	1.81	1.10	5207	5587	Retained within site
	12.00	3.70	2.73	14.11	1.55	29089	41100	Retained within site
	12.00	3.70	2.83	13.34	1.68	28784	42491	Retained within site
				48.03		100509	130475	
,								

					Ponding Regid	Ponding Provided	Excess Ponding	
00)	Q(100)	Q(100)	WTE	V(100)360	V(100)10day	Vprovided	Vexces s	Comments
'hr)	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	(CF)	(CF)	
08	3.45	1.48	2.07	3231	5229	6000	771	Retained within site
82	3.03	1.30	1.81	2825	4324	6075	1751	Retained within site
95	3.24	2.27	1.94	4930	7775	9350	1575	Retained within site
31	2.26	0.91	1.29	1873	2338	3050	712	Retained within site
18	2.09	0.42	1.16	842	958	974	16	Retained within site
32	3.03	2.30	1.81	4993	7642	6875	-767	Overflows to A-7
95	3.24	1.94	1.94	4225	6665	7525	860	Retained within site
)2	3.34	3.14	2.01	6841	10936	11400	464	Retained within site
31	2.26	0.88	1.29	1826	2279	2308	29	Retained within site
31	2.26	0.70	1.29	1452	1812	2400	588	Retained within site
32	3.03	0.33	1.81	723	1106	1635	529	Retained within site
32	3.03	1.21	1.81	2628	4022	4877	855	Retained within site
57	2.63	1.61	1.55	3432	4849	4890	41	Retained within site
32	3.03	0.42	1.81	920	1408	1675	267	Retained within site
57	2.63	1.45	1.55	3095	4372	3585	-787	Overflows to B-6
57	2.63	2.18	1.55	4670	6598	15550	8952	Retained within site
57	2.63	2.32	1.55	4951	6996	7940	944	Retained within site
70	2.73	1.34	1.55	2757	3895	5630	1735	Retained within site
32	2.72	3.56	1.42	6753	9035	9235	200	Retained within site
57	2.63	13.61	1.55	29089	41100	46000	4900	Retained within site
57	2.63	12.42	1.55	26557	37523	45600	8077	Retained within site
		55.79		118614	170862	202574	31712	





## <u>LEGEND</u>

## FLOW ARROW

PROPOSED TOP OF GRADE/PVMT ELEVATIONS FL27.8 PROPOSED FLOW LINE/GUTTER ELEVATIONS TC27.8 PROPOSED TOP OF CURB ELEVATIONS FGH27.8 PROPOSED GRADE AT TOP OF WALL PROPOSED GRADE AT BOTTOM OF WALL EXISTING CONTOUR \_\_\_\_\_ **51.5**\_\_\_\_ PROPOSED CONTOUR FLOW LINE RIDGE LINE

Ref Sheet C201

Ref Sheet C20

V

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27.8

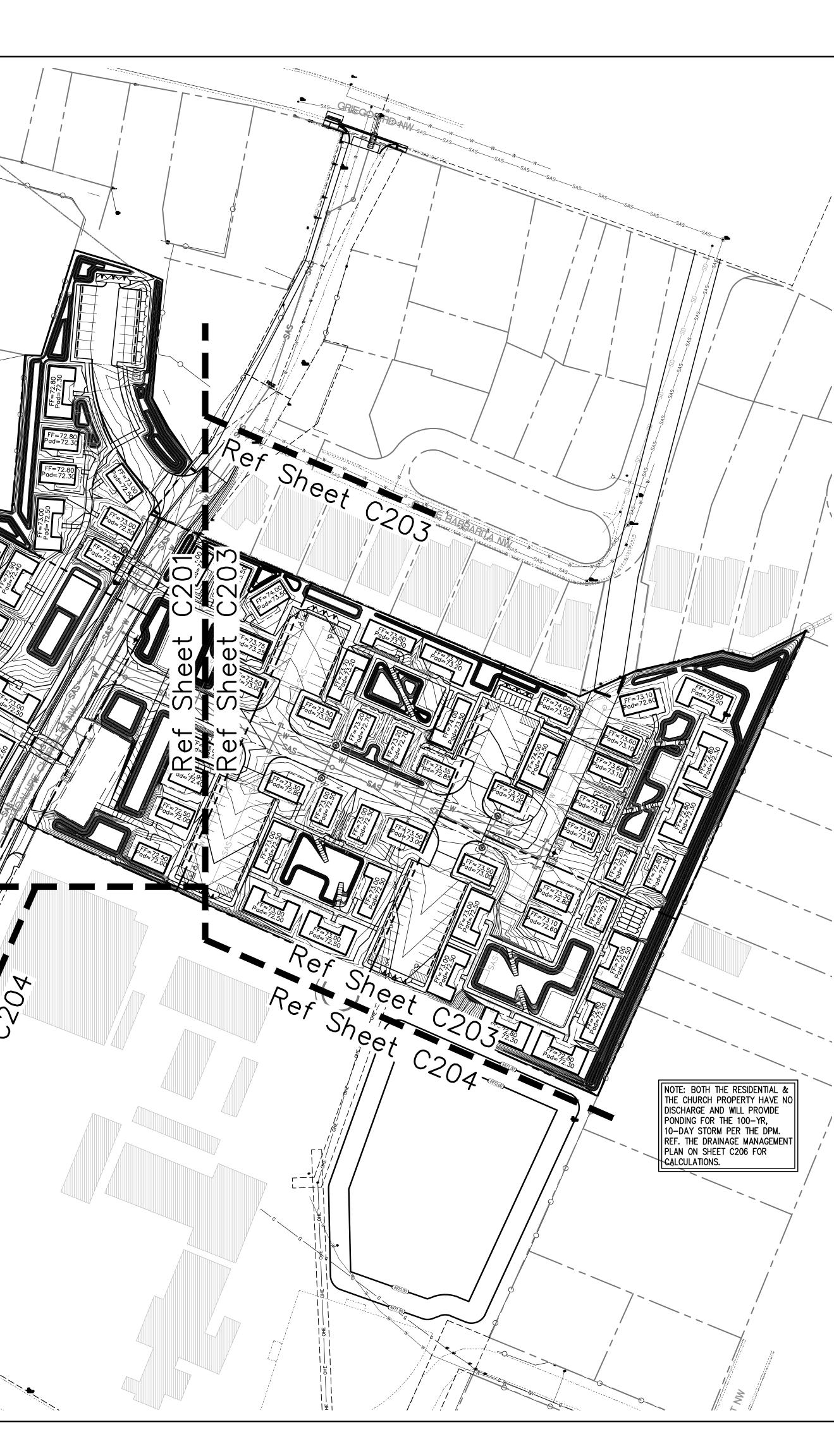
FGL27.8

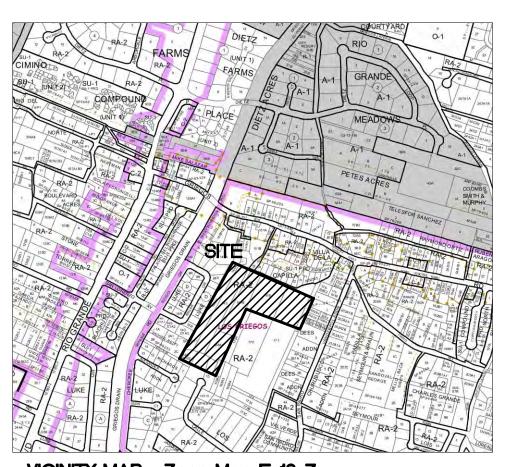
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## THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS

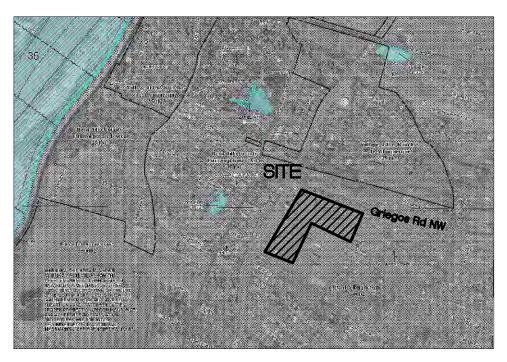
IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. LOCATION CONTRACTOR TO RELOCATE ALL THE PROPOSED IMPROVEMENTS SHOWN C...

IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND,





VICINITY MAP - Zone Map F-13-Z Legal Description: Tract 2, Our Lady of Guadalupe and Tract 144A1, Cordova's Subdivision City of Albuquerque, NM. 10.19 Acres.



## FIRM MAP 35001C0118G

Per FIRM Map 35001C0118G, dated September 26, 2008, the site is located in Zone X of the Floodplain and determined to be inside the 0.2% chance Annual Floodplain.' Areas of 1% annual chance flood with average depths of less than 1 square mile; and areas protected by levees from 1% annual chance flood.

## GRADING NOTES

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN. 2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL

MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.

3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).

4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.

5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.

6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.

7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

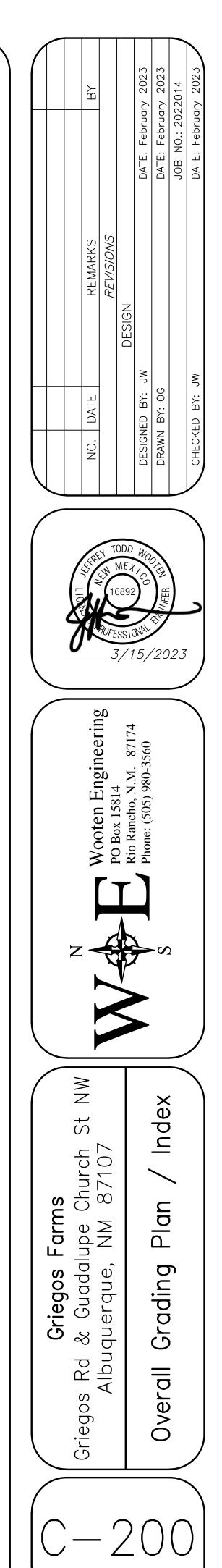
8. PAVING AND ROADWAY GRADES SHALL BE +/- 0.05' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.

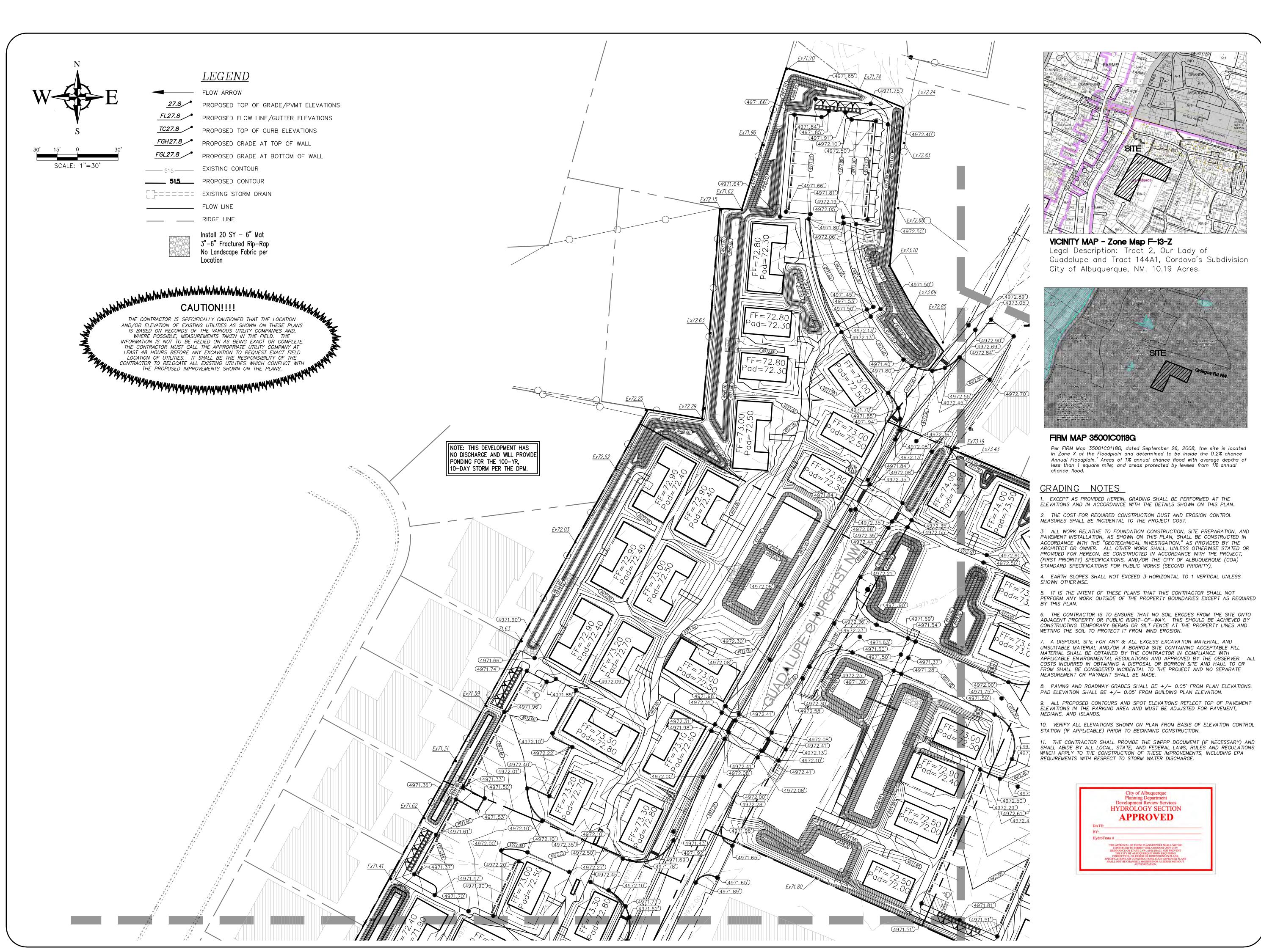
9. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR PAVEMENT, MEDIANS, AND ISLANDS.

10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION (IF APPLICABLE) PRIOR TO BEGINNING CONSTRUCTION.

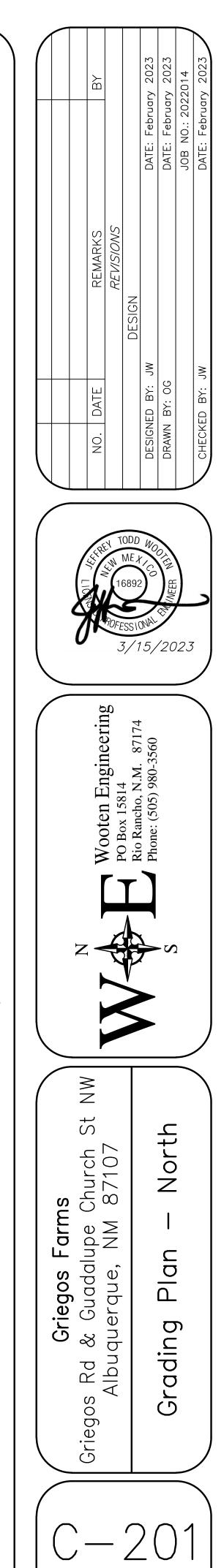
11. THE CONTRACTOR SHALL PROVIDE THE SWPPP DOCUMENT (IF NECESSARY) AND SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.



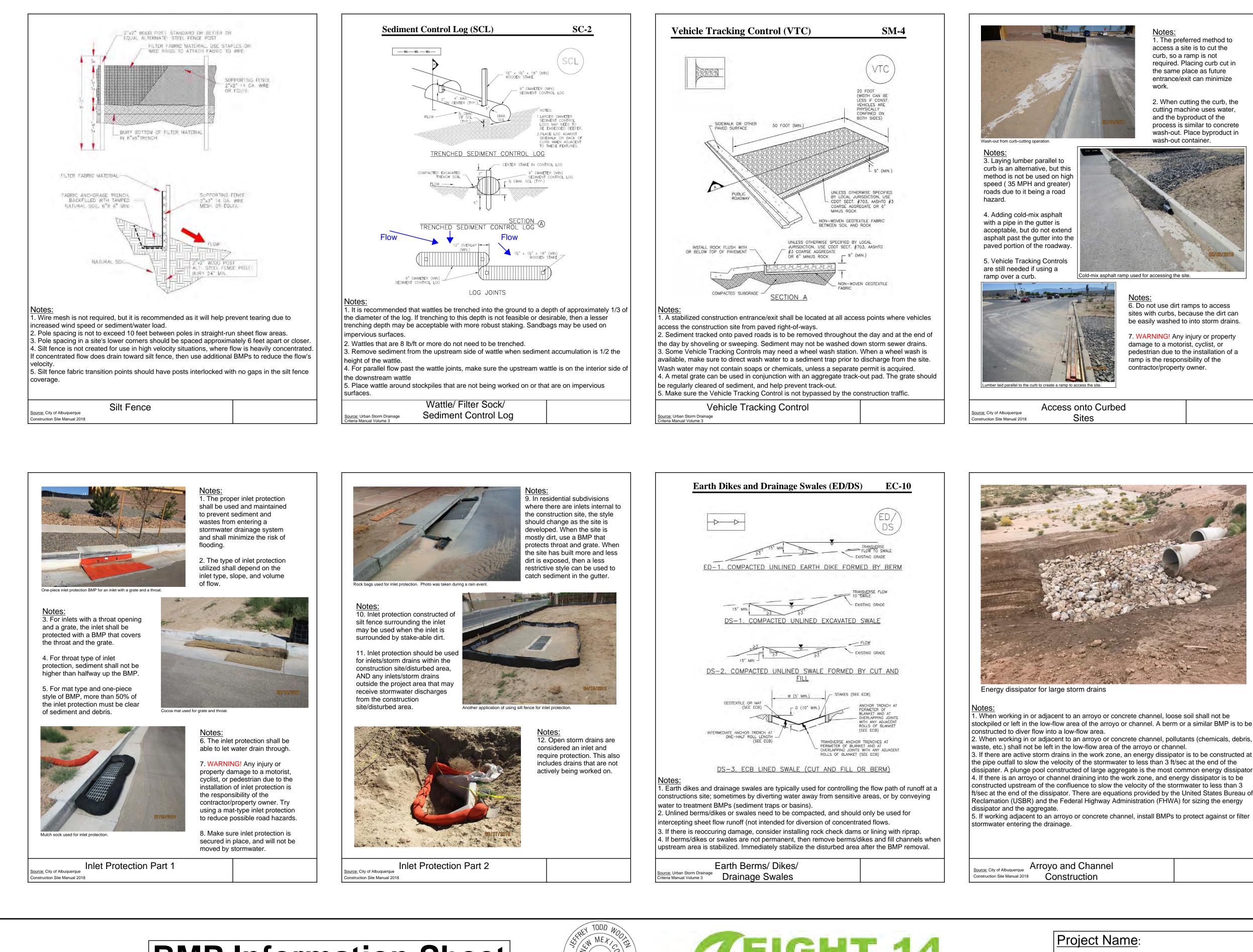


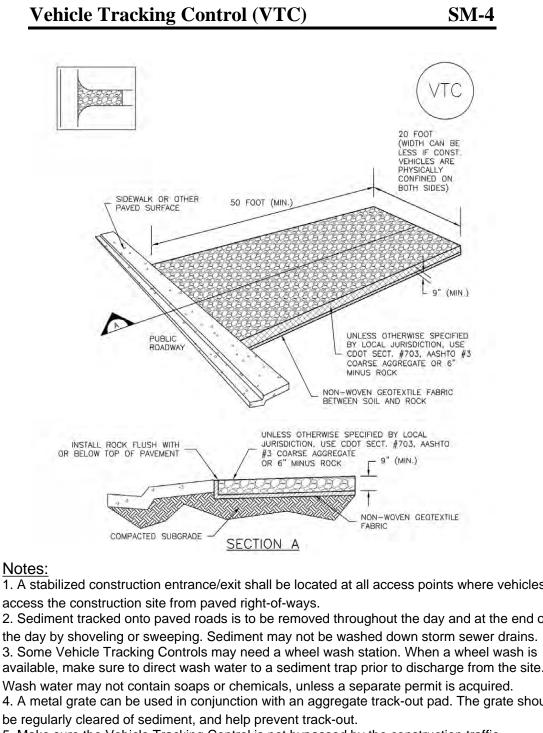


APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL



# **BMP Information Sheet**









Notes: 1. Regularly collect and dispose of garbage and waste material into designated collection areas.
2. Cover and maintain dumpsters and waste receptacles. Add additional dumpster or increase frequency of waste collection if overflowing conditions occur. Consider secondary containment around waste collection areas to minimize the likelihood of contaminated discharges.
3. Routinely inspect containers and equipment to ensure that it is functioning properly without leaking.
4. Promptly clean up leaks, drips, and other spills. Train employees on proper clean up and sp response procedures.
5. Store containers, drums, and bags away from direct traffic routes to reduce container damage.
6. Store materials in accordance with directions in Material Safety Data Sheets (MSDSs).
7. Store container s on pallets or similar devices to prevent corrosion of containers that results from containers coming into contact with moisture on the ground.
8. Store toxic or hazardous liquids within curbed areas or secondary containments.
9. Frequent and proper training in good housekeeping techniques reduces the likelihood that chemicals or equipment will be mishandled.
10. Segregate and provide proper disposal options for hazardous material wastes.
11. Make sure the site has a Spill Protection Plan, Spill kit, and individuals trained on the location and workings of the plan and kit.
12. Create a designated on-site fueling and maintenance area that is clean and dry, has a spil kit, and ideally in a covered area.
13. Locate toilet facilities away from storm drain inlets and waterways to prevent accidental

14.or outdoor painting and sanding; conduct these operations in designated areas that are paved or have a secondary containment in place. Clean up and dispose of excess paint, paint chips, protective coatings, grit waste, etc.

15. Provide tie-downs or stake downs for portable toilets.

contamination of stormwater.

Source: Urban Storm Drainage

riteria Manual Volume 3

16. For vehicle and equipment washing: ensure there is no discharge of soaps, solvents, or detergents in equipment and vehicle wash water.

7. Recycle materials whenever possible (e.g. paper, wood, concrete, oil).

Good Housekeeping

1. Designated wash-out areas shall be provided for any concrete, stucco, mortar, or paint operations. Wash-outs should be as far away as possible from waters of the U.S., stormwater inlets, or conveyances.

2. "Wash-out shall be directed to leak-proof containers or leak proof and lined pit designed so that no overflows can occur due to inadequate sizing or precipitation." -CGP 2022

nese roll-off wash-out containers were lowered for easier acces

3. If the concrete/stucco/mortar is firm when it contacts the soil, then it is not considered wash-out (not wet enough to infiltrate into the

4. A centralized wash-out may be effective for concrete trucks. For stucco, mortar, and paint wash-outs, a local wash-out and wash-out education has been

more successful in avoiding improper wash-outs.

nstruction Site Manual 2018



Wash-outs Source: City of Albuquerque

5. Mortar towers shall have a plastic liner beneath them to prevent the wet mortar from contacting the soil. If wet stucco or mortar contacts the ground due to mixing, it would be a compliance issue.

6. If a wash-out occurs on bare soil, the Operator is expected to remove it same day. The wash-out material, as well as the wetted soil, are to be removed and disposed of appropriately.

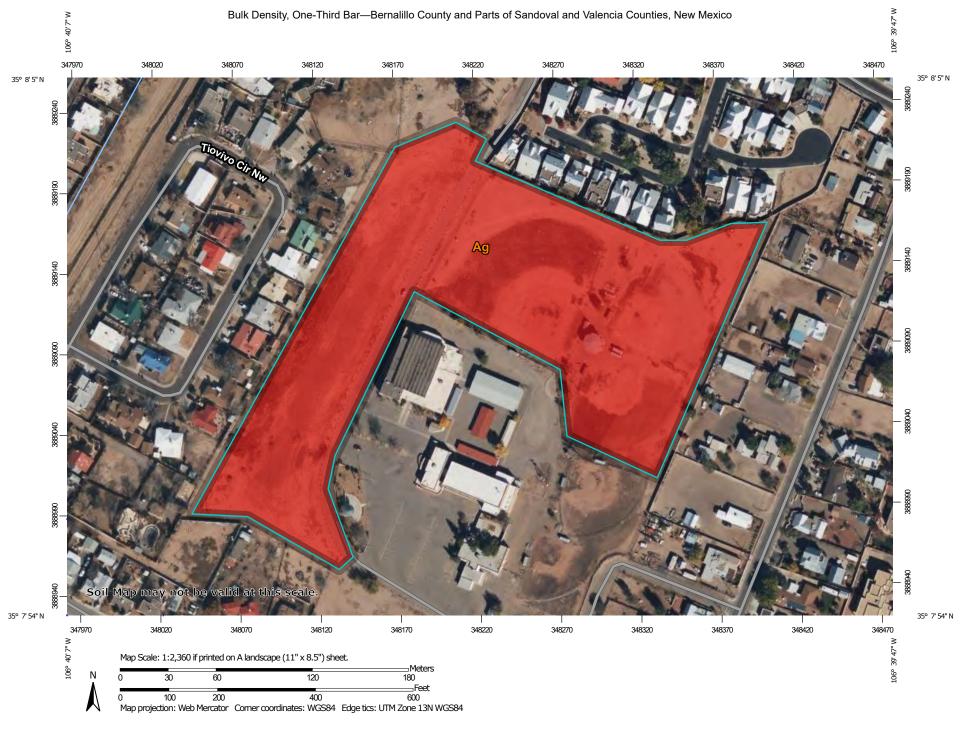
NPDES Permit #:
Date:
Sheet:

Soil Type	Clay	Silty Clay Loam or Clay-Loam	Sand	Sandy Clay Loam, Loamy Sand or Silty Clay	Loam, Silt, Sandy Loam or Silt Loam
CNMI / Guam	Moderate	Moderate	Moderate	Moderate	High
Puerto Rico	Moderate	Moderate	Moderate	Moderate	High
Virgin Islands	Low	Moderate	Low	Moderate	Moderate
American Samoa	Moderate	Moderate	Moderate	Moderate	High
Massachusetts and New Hampshire	Low	Moderate	Low	Low	Moderate
Idaho	Low	Low	Low	Low	Low
New Mexico	Low	Low	Low	Low	Low
Washington D.C.	Low	Moderate	Low	Low	Moderate

Table F-2 Risk Levels for Sites with Average Slopes of  $\leq$  3 Percent

### Table F-3 Risk Levels for Sites with Average Slopes of > 3 Percent and ≤ 6 Percent

Soil Type	Clay	Silty Clay Loam or Clay-Loam	Sand	Sandy Clay Loam, Loamy Sand or Silty Clay	Loam, Silt, Sandy Loam or Silt Loam
	Clay	Clay-Loan	Saliu	Clay	
CNMI / Guam	Moderate	Moderate	Moderate	Moderate	High
Puerto Rico	Moderate	Moderate	Moderate	Moderate	High
Virgin Islands	Moderate	Moderate	Moderate	Moderate	High
American Samoa	High	High	Moderate	High	High
Massachusetts and New Hampshire	Moderate	Moderate	Low	Moderate	High
Idaho	Low	Low	Low	Low	Low
New Mexico	Low	Low	Low	Low	Moderate
Washington D.C.	Moderate	Moderate	Moderate	Moderate	High



USDA Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey

MAP LEGEND	MAP INFORMATION
Area of Interest (AOI) Area of Interest (AOI)	The soil surveys that comprise your AOI were mapped at 1:24,000.
Soils	Warning: Soil Map may not be valid at this scale.
Soil Rating Polygons = 1.50	Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soi
Not rated or not available	line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed
Soil Rating Lines = 1.50	scale.
<ul><li>= 1.50</li><li>Not rated or not available</li></ul>	Please rely on the bar scale on each map sheet for map measurements.
Soil Rating Points = 1.50	Source of Map: Natural Resources Conservation Service Web Soil Survey URL:
Not rated or not available	Coordinate System: Web Mercator (EPSG:3857)
Water Features Streams and Canals Transportation Rails	Maps from the Web Soil Survey are based on the Web Merca projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.
Minterstate Highways	This product is generated from the USDA-NRCS certified data of the version date(s) listed below.
US Routes   Major Roads	Soil Survey Area: Bernalillo County and Parts of Sandoval a Valencia Counties, New Mexico
Local Roads	Survey Area Data: Version 17, Sep 8, 2022
Background Aerial Photography	Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.
	Date(s) aerial images were photographed: Oct 22, 2021—D 2021
	The orthophoto or other base map on which the soil lines wer compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



## Bulk Density, One-Third Bar

Map unit symbol	Map unit name	Rating (grams per cubic centimeter)	Acres in AOI	Percent of AOI
Ag	Agua silty clay loam MLRA 42	1.50	9.4	100.0%
Totals for Area of Intere	st	9.4	100.0%	

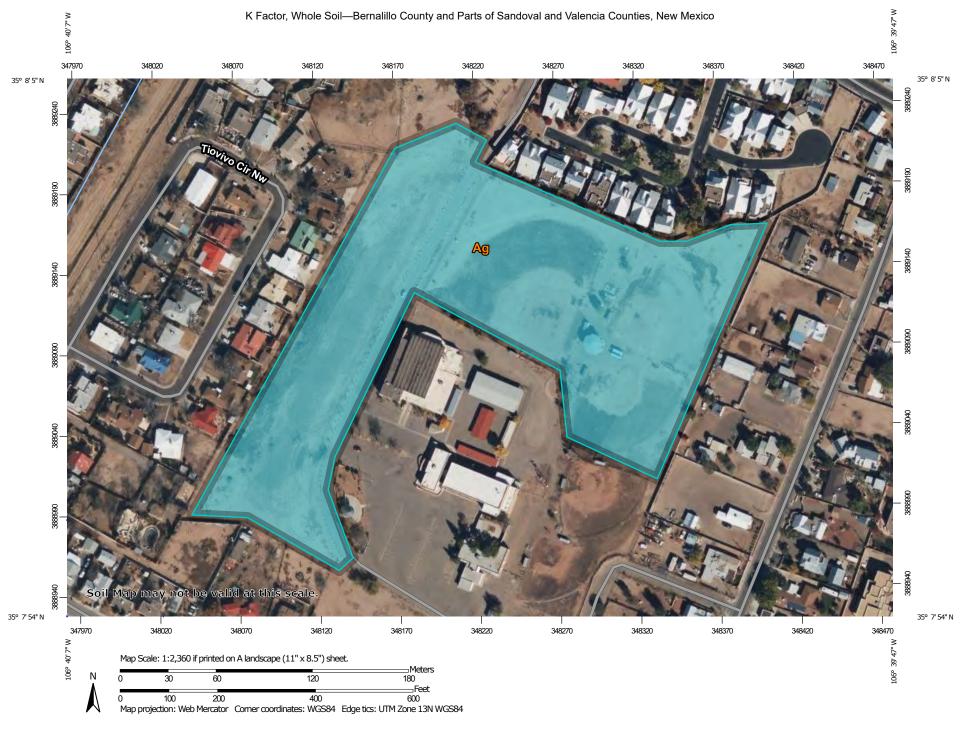
## Description

Bulk density, one-third bar, is the ovendry weight of the soil material less than 2 millimeters in size per unit volume of soil at water tension of 1/3 bar, expressed in grams per cubic centimeter. Bulk density data are used to compute linear extensibility, shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

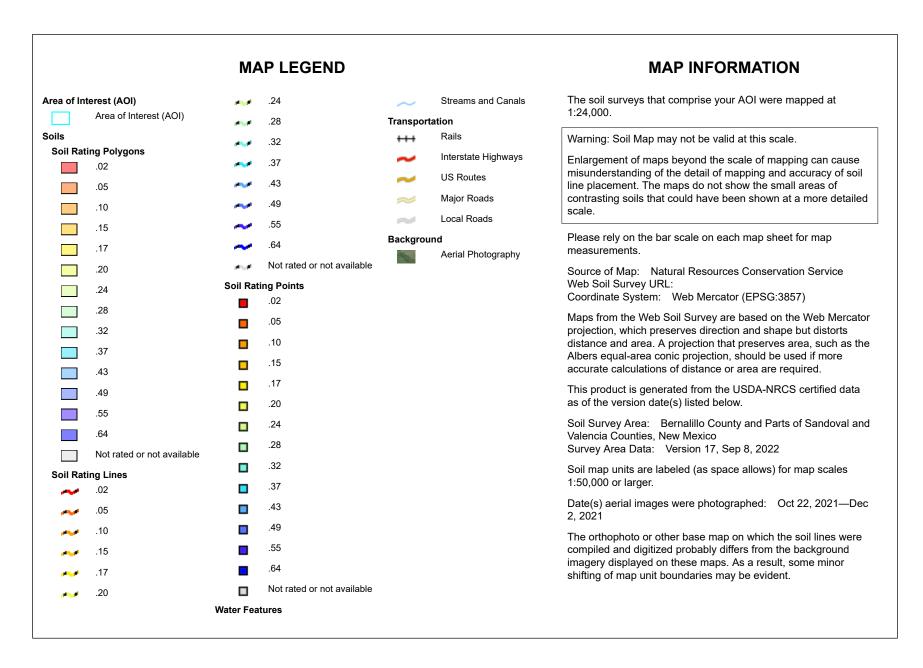
For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

## **Rating Options**

Units of Measure: grams per cubic centimeter Aggregation Method: Dominant Component Component Percent Cutoff: 50 Tie-break Rule: Higher Interpret Nulls as Zero: No Layer Options (Horizon Aggregation Method): All Layers (Weighted Average)



USDA Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey



## K Factor, Whole Soil

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Ag	Agua silty clay loam MLRA 42	.37	9.4	100.0%
Totals for Area of Intere	st		9.4	100.0%

## Description

Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and saturated hydraulic conductivity (Ksat). Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

"Erosion factor Kw (whole soil)" indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Factor K does not apply to organic horizons and is not reported for those layers.

## **Rating Options**

Aggregation Method: Dominant Condition Component Percent Cutoff: 50 Tie-break Rule: Higher Layer Options (Horizon Aggregation Method): Surface Layer (Not applicable)