CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



October 12, 2022

Jeffrey T. Wooten, P.E. Wooten Engineering PO Box 15814 Rio Rancho, NM 87174

RE: Griegos Farms

Conceptual Grading & Drainage Plans Engineer's Stamp Date: 09/01/22 Hydrology File: F13D028A

Dear Mr. Wooten:

PO Box 1293

Based upon the information provided in your submittal received 09/01/2022, the Conceptual Grading & Drainage Plans are preliminary approved for action by the DRB for Site Plan for Building Permit and Platting action.

PRIOR TO BUILDING PERMIT:

Albuquerque

1. Provide more detailed design as needed in order to obtain Hydrology's approval.

NM 87103

www.cabq.gov

2. Please ensure that each drainage area's retention pond volume provides at least the required volume for that drainage area unless it drains into another pond. For example, Drainage Area A-5 requires 9150 cubic feet but only 5700 CF is provided. Now Drainage Area A-8 requires 7642 CF and the provided volume is 12425 CF. Unless these two ponds are connected, the missing volume in A-5 cannot be compensated in A-8 without some sort of equalizing pipe system. If a drainage area fails to provide for the drainage volume requirement, than it has a potential to drain into the adjacent property which is not allowed.

CITY OF ALBUQUERQUE

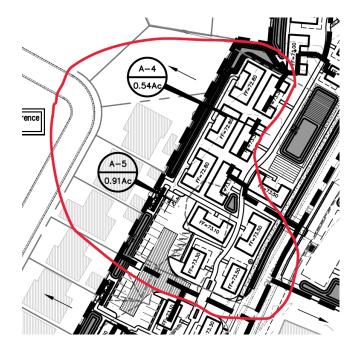
Planning Department Alan Varela, Director



Mayor Timothy M. Keller

BASIN	Area
	(AC.)
A-1	0.45
A-2	0.36
A-3	0.17
A-4	0.54
A-5	0.91
A-6	0.67
A-7	0.72
A-8	0.76
A-9	0.17

	Ponding Req'd	Ponding Provided
360	V(100) _{10day}	V(100) _{10day}
	(CF)	(CF)
	4525	6400
,	3620	4600
	2067	0
}	5430	6000
)	9150	5700
!	6737	6100
	7240	7000
}	7642	12425
O ·	1709	1700
(C)	3821	3250



PO Box 1293

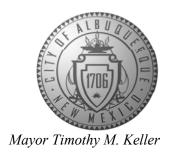
Albuquerque

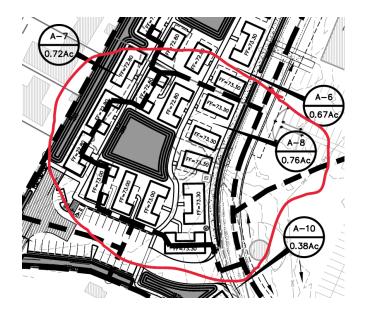
NM 87103

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As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

Albuquerque

PO Box 1293

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

NM 87103 Sincerely,

www.cabq.gov

Renée C. Brissette, P.E. CFM Senior Engineer, Hydrology Planning Department

Renée C. Brissette



City of Albuquerque

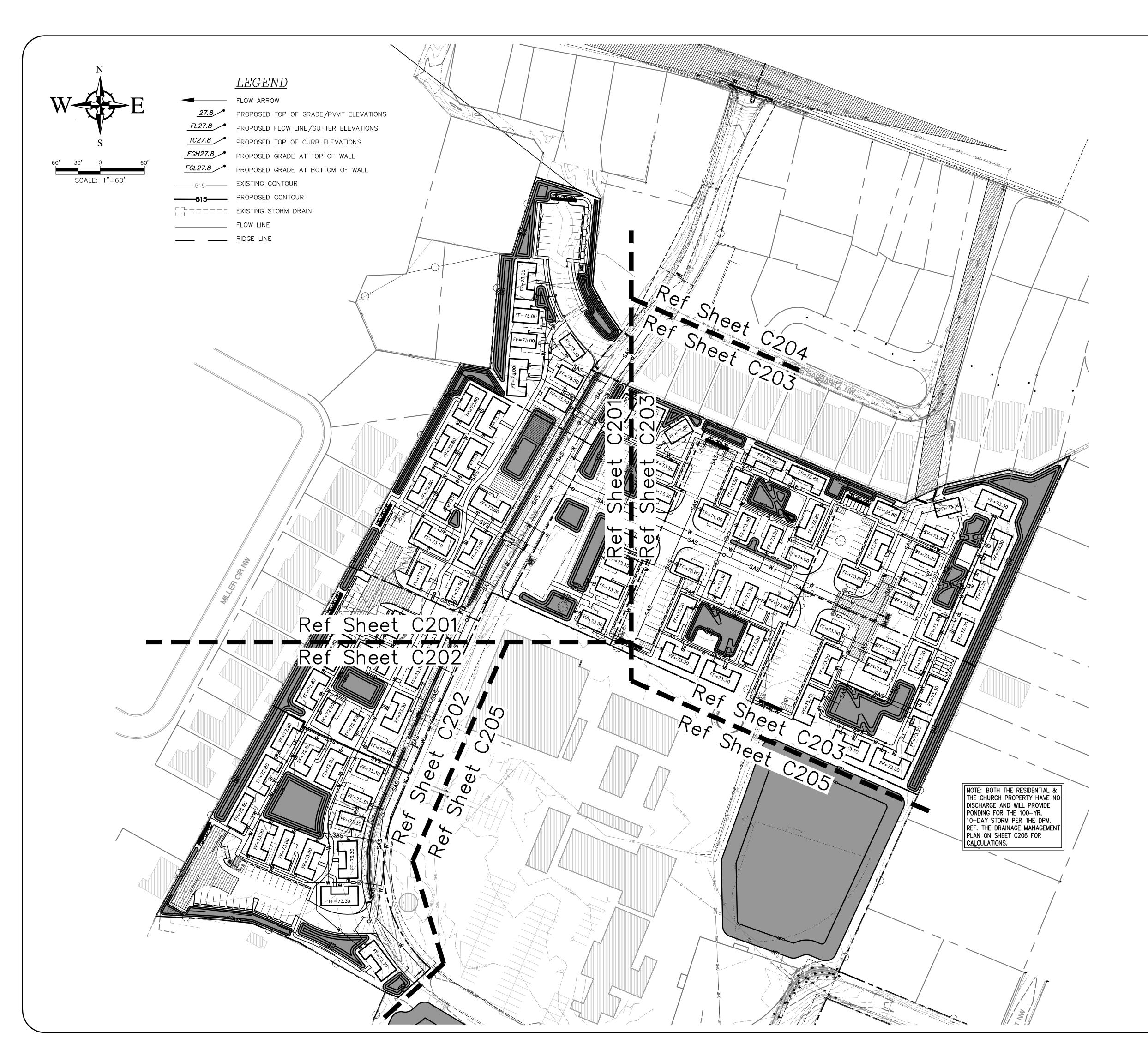
Planning Department

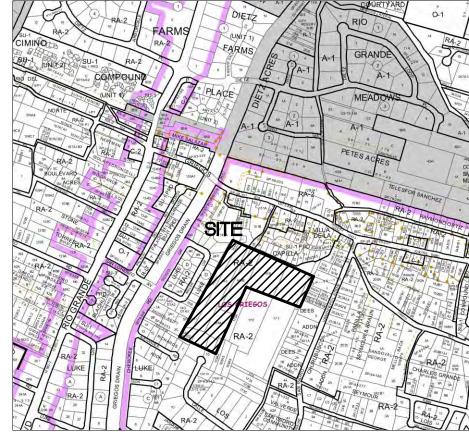
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11:2018)

Project Title: Griegos Farms	Building Permit #	:Hydrology File #: F13D028A
DRB#:	EPC#:	Work Order#:
Legal Description: Tract 2, Our La	dy of Cuadaluna	
City Address: not yet assigned		
Applicant: Wooten Engineering		Contact: Jeffrey T. Wooten, P.E.
Address: 1005 21st Street SE, Suite		
Phone#: 303-960-3360	Fax#: N/A	E-mail: jeffwooten.pe@gmail.com
Owner:	 	Contact:
Address:		
Phone#:	Fax#:	E-mail:
IS THIS A RESUBMITTAL?: X DEPARTMENT: TRAFFIC/ TR		
Check all that Apply: TYPE OF SUBMITTAL: ENGINEER/ARCHITECT CERTIFY PAD CERTIFICATION CONCEPTUAL G & D PLAN GRADING PLAN DRAINAGE MASTER PLAN DRAINAGE REPORT FLOODPLAIN DEVELOPMENT IF ELEVATION CERTIFICATE CLOMR/LOMR TRAFFIC CIRCULATION LAYO TRAFFIC IMPACT STUDY (TIS) OTHER (SPECIFY) PRE-DESIGN MEETING?	PERMIT APPLIC UT (TCL)	TYPE OF APPROVAL/ACCEPTANCE SOUGHT: BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY X PRELIMINARY PLAT APPROVAL SITE PLAN FOR SUB'D APPROVAL X SITE PLAN FOR BLDG. PERMIT APPROVAL FINAL PLAT APPROVAL SIA/ RELEASE OF FINANCIAL GUARANTEE FOUNDATION PERMIT APPROVAL GRADING PERMIT APPROVAL SO-19 APPROVAL PAVING PERMIT APPROVAL GRADING/ PAD CERTIFICATION WORK ORDER APPROVAL CLOMR/LOMR FLOODPLAIN DEVELOPMENT PERMIT OTHER (SPECIFY)
DATE SUBMITTED: September	1, 2022 By: _Jeffrey T	
COA STAFF:	ELECTRONIC SUBM	IITTAL RECEIVED:

FEE PAID:





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

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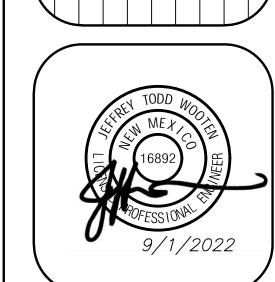
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City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
PRELIMINARY APPROVED

DATE: 10/12/22
BY: 15-12-12

NOT FOR CONSTRUCTION



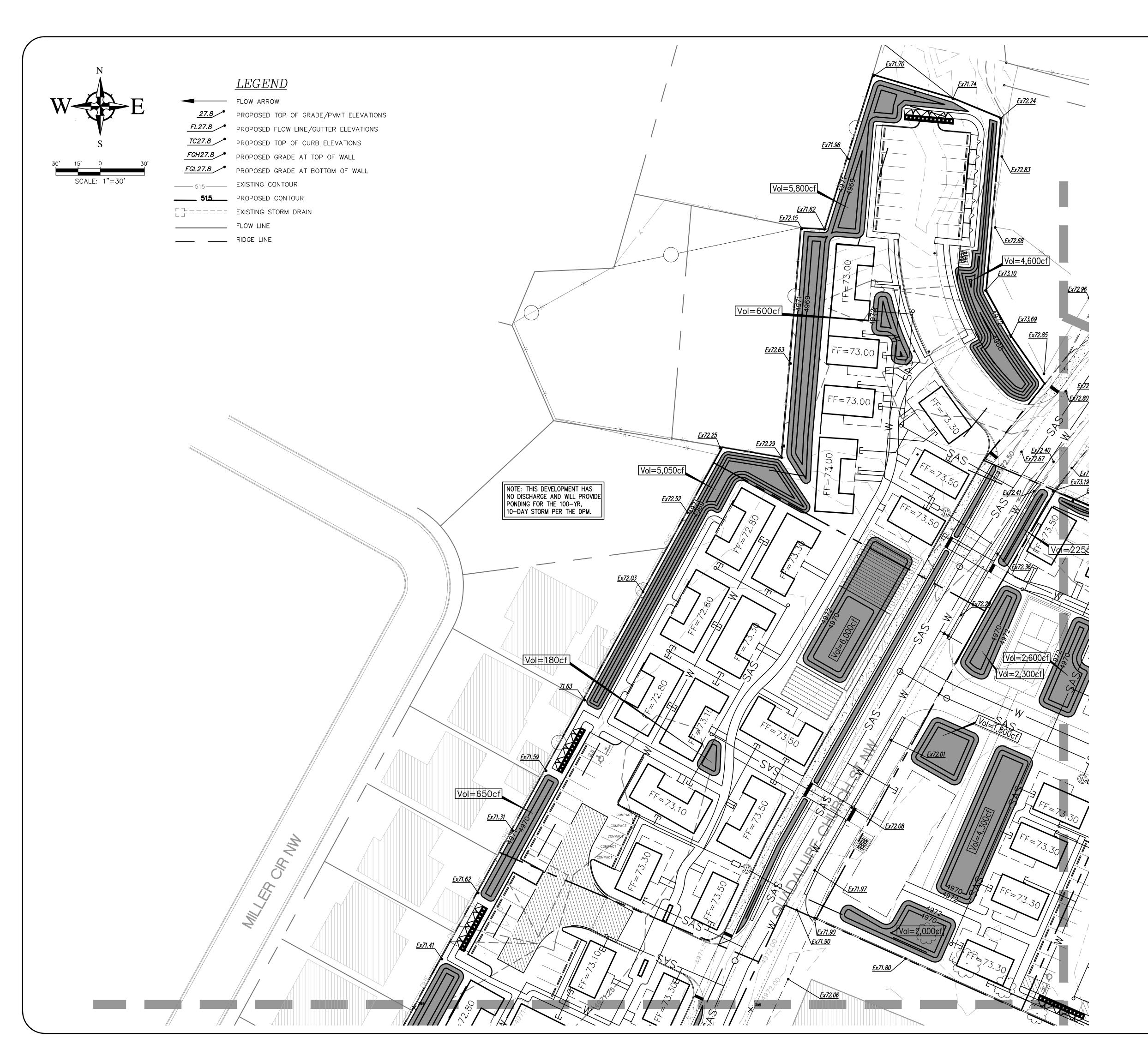
Wooten Engineering
PO Box 15814
Rio Rancho, N.M. 87174
Phone: (505) 980-3560

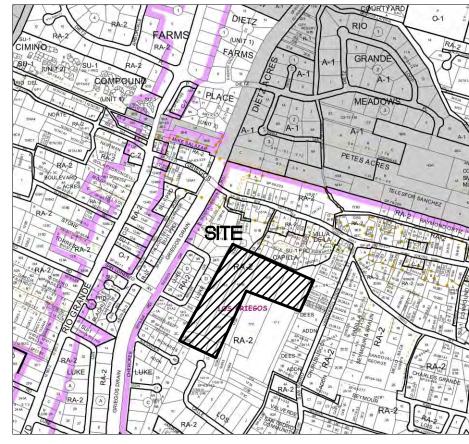
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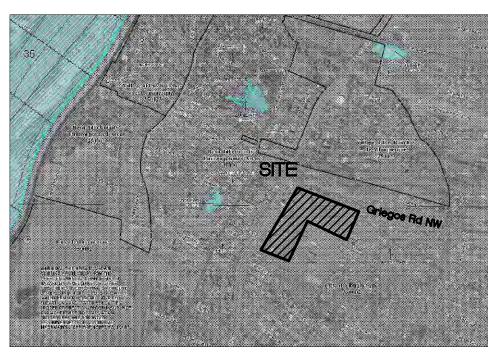
Griegos Farms iegos Rd & Guadalupe Church St N Albuquerque, NM 87107

(C-200)





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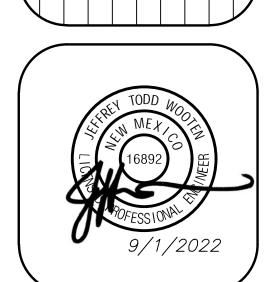
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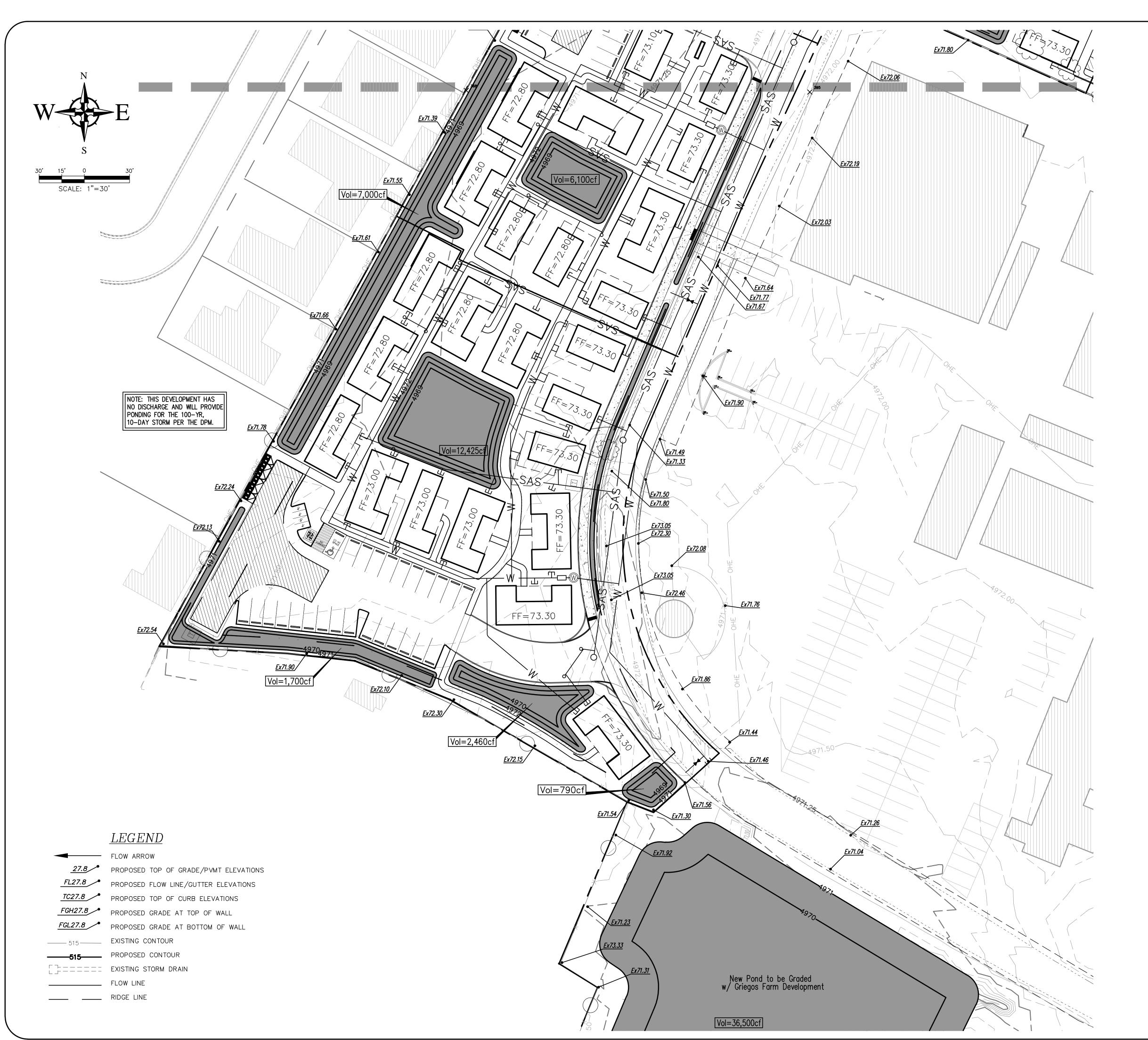
> HYDROLOGY SECTION PRELIMINARY APPROVED DATE: 10/12/22
> BY: F13D028A THESE PLANS AND/OR REPORT ARE CONCEPTUAL ONLY. MORE INFORMATION MAY BE NEEDED IN THEM AND SUBMITTED TO HYDROLOGY FOR BUILDING PERMIT APPROVAL.

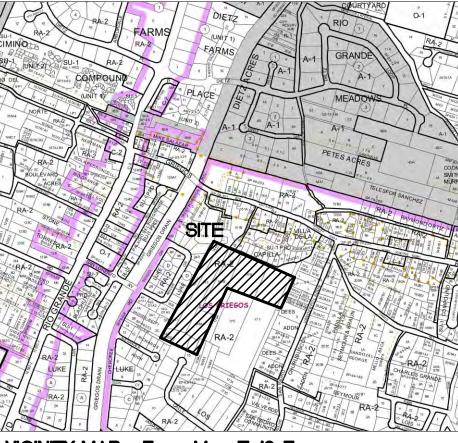
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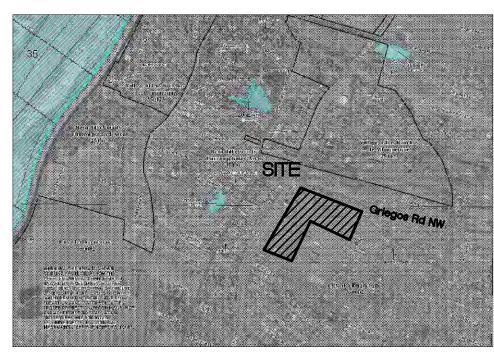


Griegos Farm & Guadalupe Janerque, NM





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.



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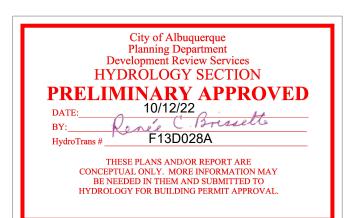
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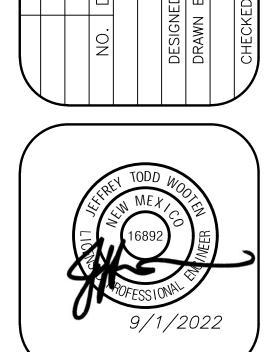
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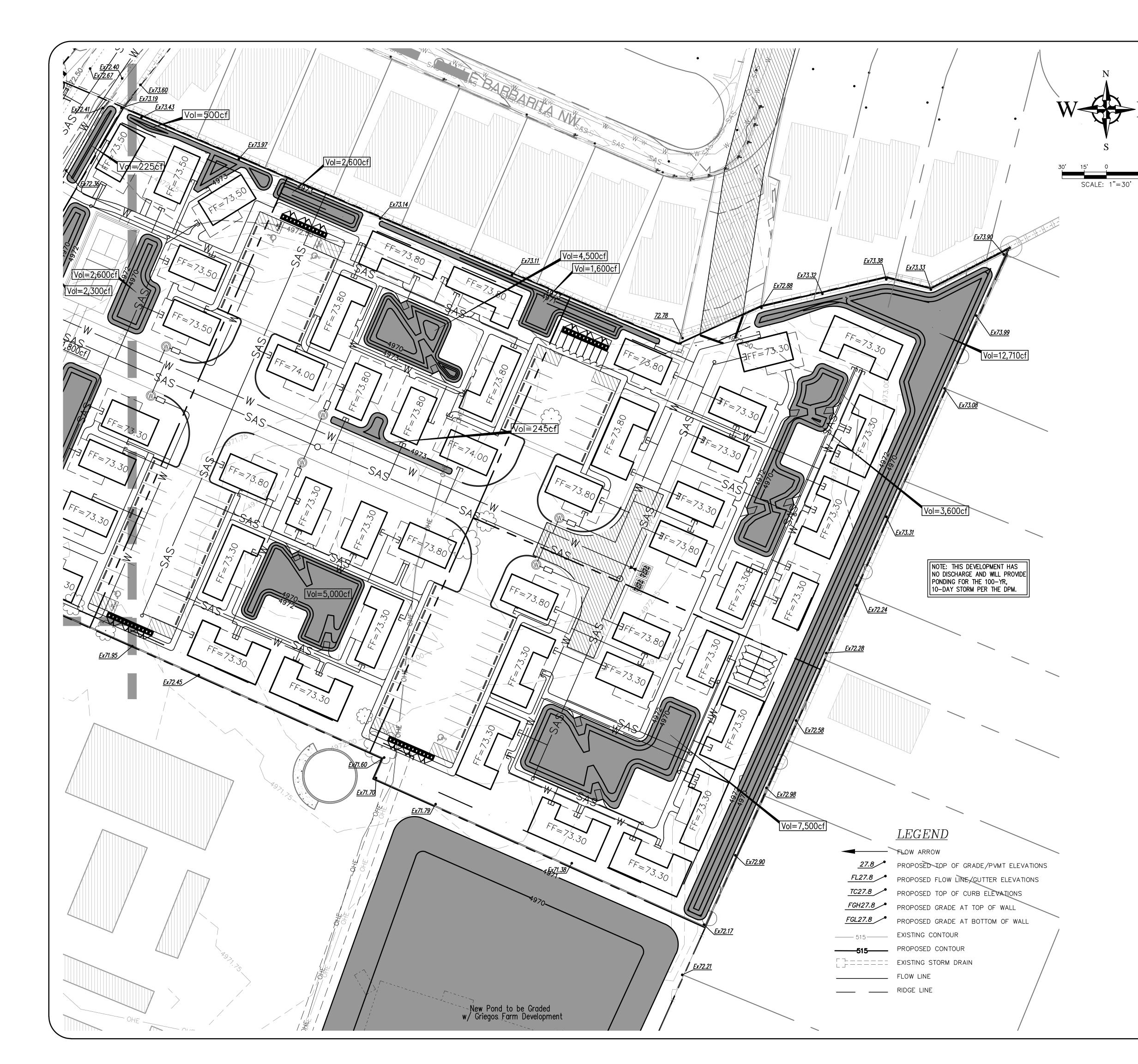
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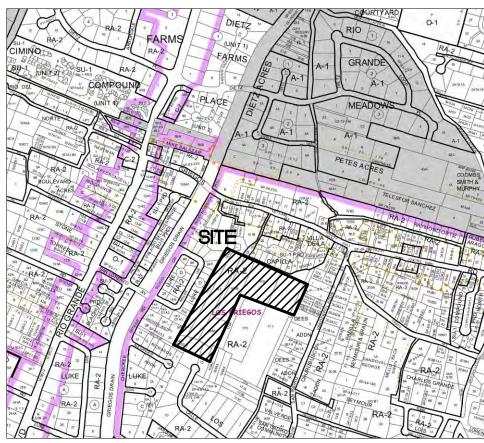


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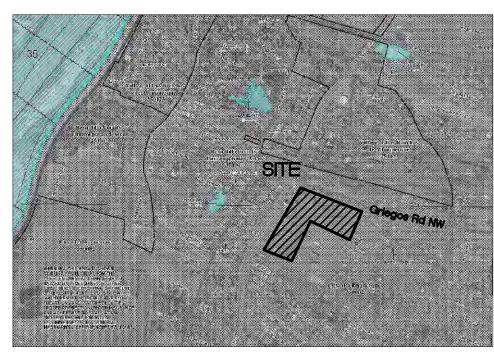
Griegos Farm & Guadalupe Iquerque, NM

|C-202|





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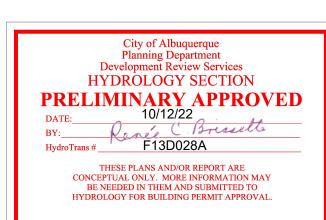
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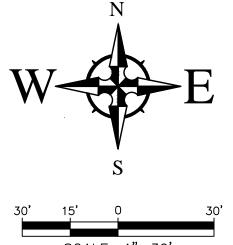


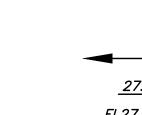
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FLOW LINE

RIDGE LINE

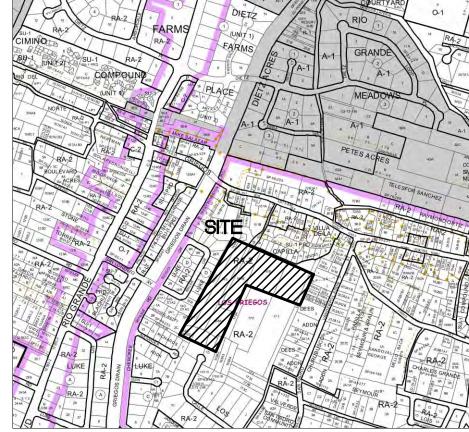
 \underline{LEGEND}

--- 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

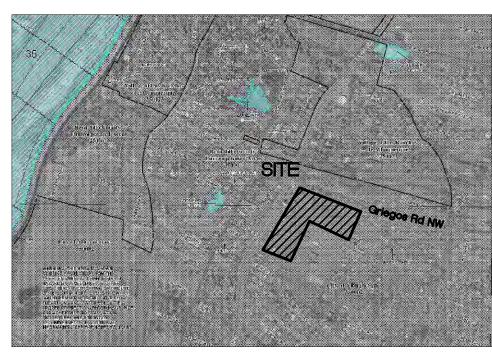
> PROPOSED GRADE AT BOTTOM OF WALL EXISTING CONTOUR

PROPOSED CONTOUR EXISTING STORM DRAIN



VICINITY MAP - Zone Map F-13-Z

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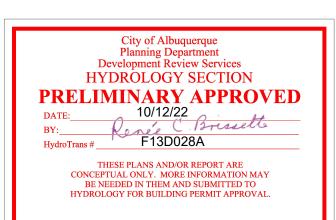
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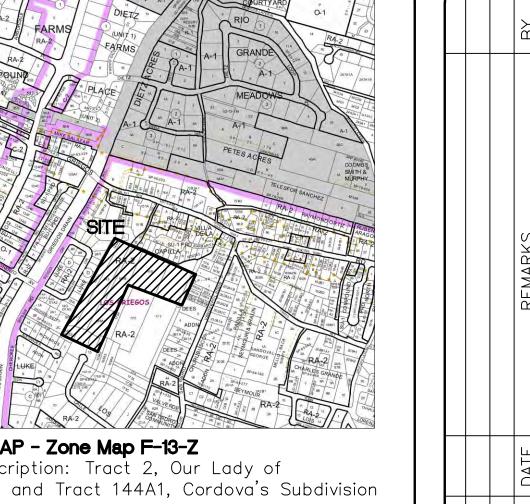
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11. THE CONTRACTOR SHALL PROVIDE THE SWPPP DOCUMENT (IF NECESSARY) AND SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM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

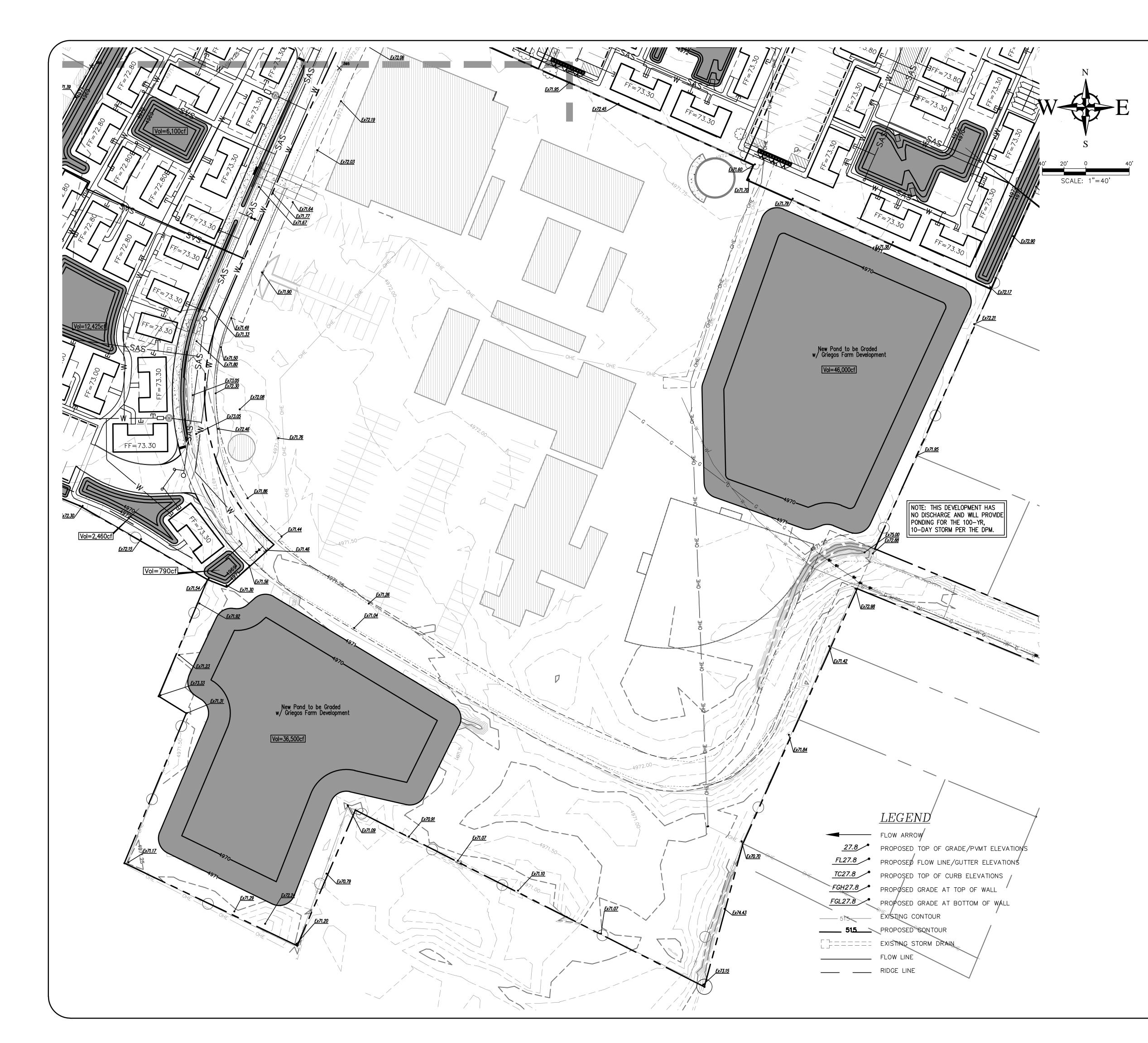


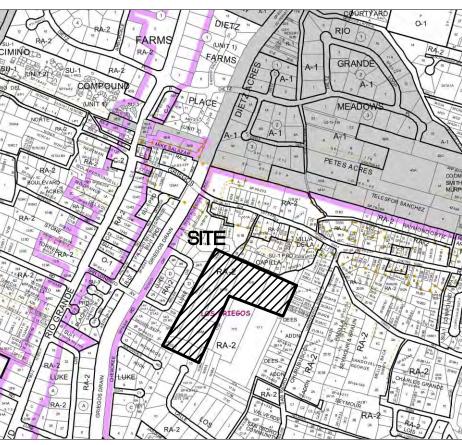
NOT FOR CONSTRUCTION



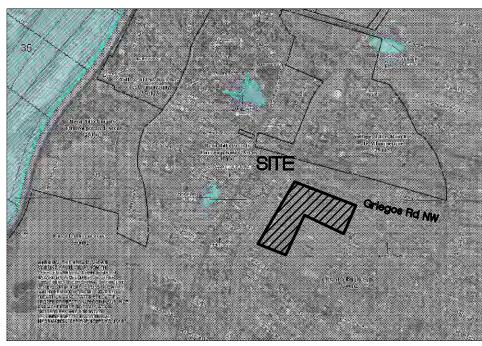








Legal Description: Tract 2, Our Lady of Guadalupe and Tract 144A1, Cordova's Subdivision City of Albuquerque, NM. 10.19 Acres.



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

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.

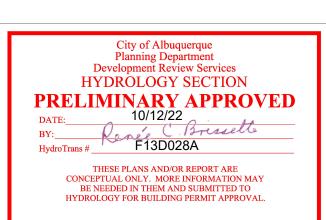
7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL 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.

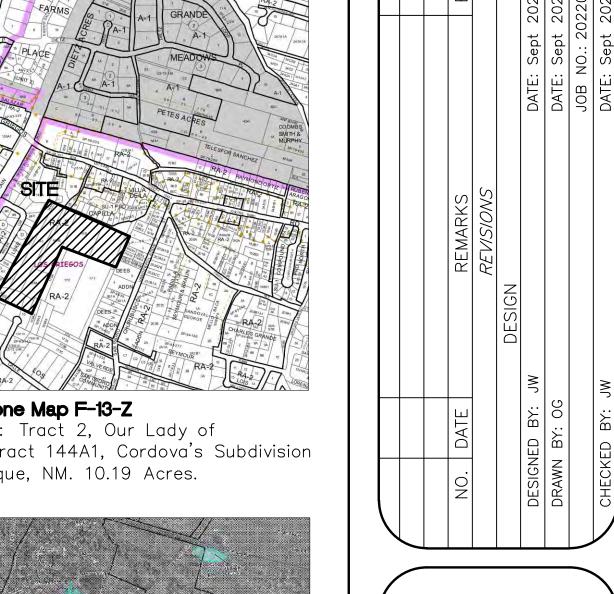
9. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR PAVEMENT, MEDIANS, AND ISLANDS.

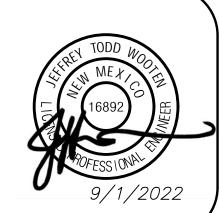
10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION (IF APPLICABLE) PRIOR TO BEGINNING CONSTRUCTION.

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.

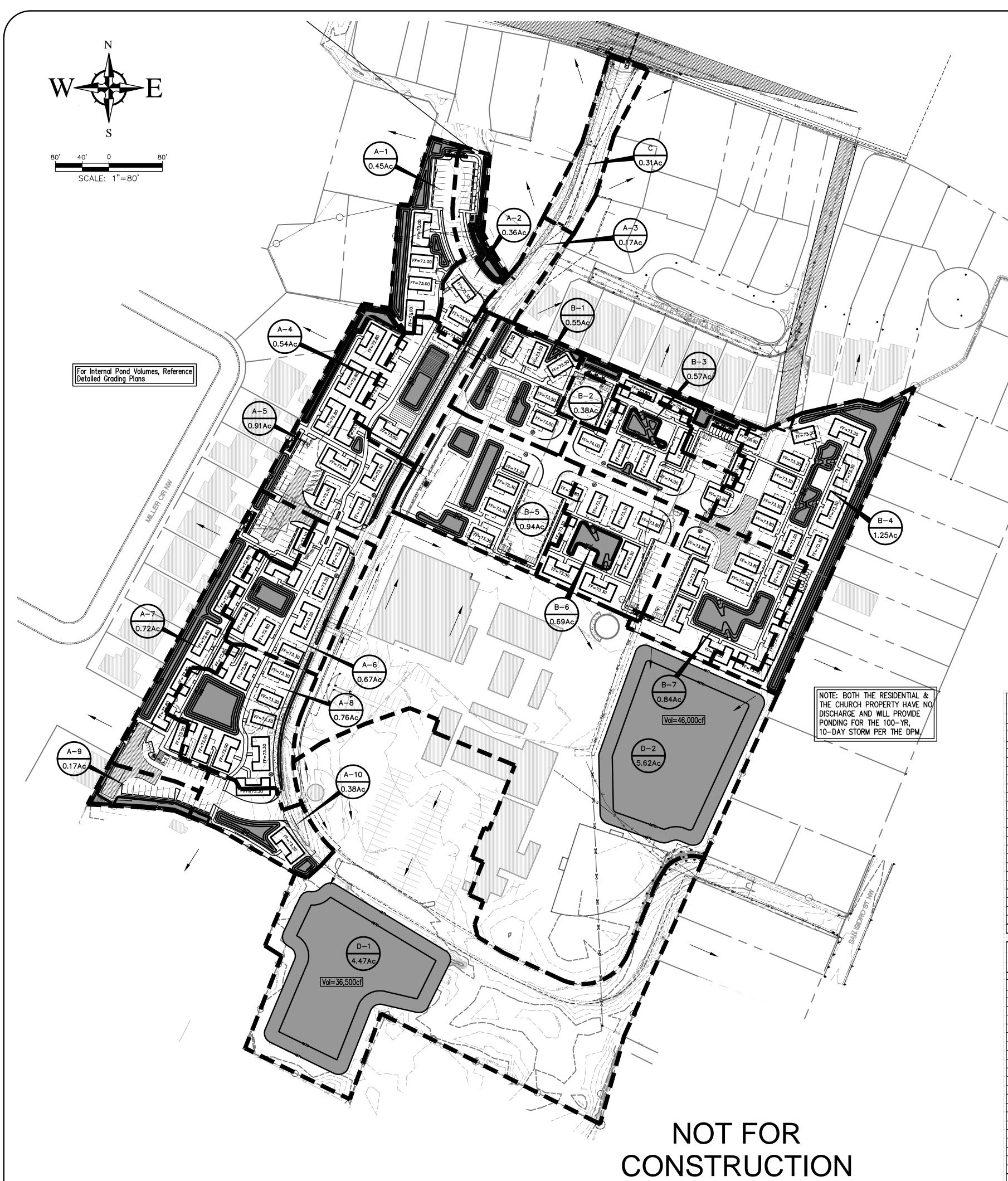


NOT FOR CONSTRUCTION





Griegos Farm & Guadalupe Janerque, NM

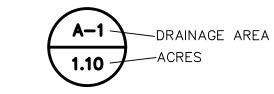


LEGEND



RETENTION POND





DRAINAGE MANAGEMENT PLAN

INTRODUCTION
The purpose of this submittal is to provide a conceptual grading and drainage plan for the subject site located on Tract 2, Our Lady of Guadalupe subdivision and Tract 144—A—1, MRGCD Map No 31 in Albuquerque, NM. The overall development contains approximately 10.19 acres and is located in the southwest quadrant of Griegos Rd NW and San Ysidro St NW. The site is being developed as a Single Family Cottage Court development. The City Drainage File Number is F13—D028. It is our understanding that the 100—Yr, 6—Hr storm must be retained on—site.

EXISTING HYDROLOGIC CONDITIONS The site currently does not have a discharge point and drainage is retained on—site.

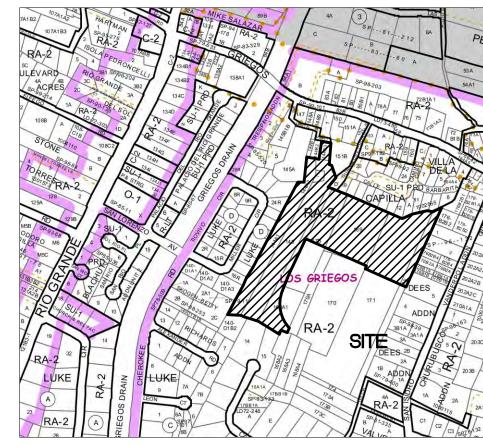
PROPOSED HYDROLOGIC CONDITIONS
Both the existing Our Lady of Guadalupe Church and the new Single Family Cottage Court development will retain the 100—Yr, 6—Hr storm within their own properties. The approximate locations of new ponds servingthe Cottage Court development are shown on this plan. The Drainage Calculations table show that adequate ponding is being provided to retain the 100—Yr, 6—Hr runoff volume.

This Conceptual Grading and Drainage Plan conforms to the requirements of the City of Albuqueruque DPM, Chapter 6.2. With this submittal, we are requesting Preliminary Plat and Site Plan for Building Permit approval.

Planning Department
Development Review Services
HYDROLOGY SECTION PRELIMINARY APPROVED

DATE: 10/12/22

BY: F13D028A THESE PLANS AND/OR REPORT ARE CONCEPTUAL ONLY. MORE INFORMATION MAY BE NEEDED IN THEM AND SUBMITTED TO HYDROLOGY FOR BUILDING PERMIT APPROVAL.



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.

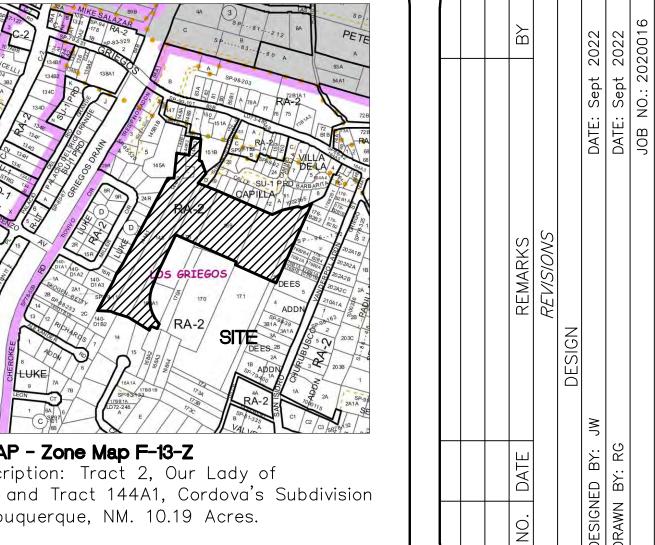


FIRM MAP 35001CXXXXXH

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.

		Exis	tina Dra	ainage (Calcula	tions								
This	able is based on the	COA DPM C	hapter 6.2	(A), Zone:	2							7		
BASIN Area		Land Treatment Percentages (%)			Weighted C	Tc	I (100)	Q(100)	Q(100)	WTE	V(100)380	V(100) _{10day}	Comments	
	(AC.)	Α	В	С	D		(min)	(in/hr)	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	
A-1	0.45	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	0.86	1.03	1683	1683	Retained within site
A-2	0.36	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	0.69	1.03	1346	1346	Retained within site
A-3	0.17	0.0	0.0	20.0	80.0	0.85	12.00	4.08	3.45	0.59	2.07	1277	2067	Retained within site
A-4	0.54	0.0	0.0	75.0	25.0	0.70	12.00	3.37	2.35	1.27	1.36	2656	3440	Retained within site
A-5	0.91	0.0	0.0	90.0	10.0	0.66	12.00	3.18	2.09	1.90	1.16	3832	4360	Retained within site
A-6	0.67	0.0	0.0	90.0	10.0	0.66	12.00	3.18	2.09	1.40	1.16	2821	3210	Retained within site
A-7	0.72	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	1.38	1.03	2692	2692	Retained within site
A-8	0.76	0.0	0.0	90.0	10.0	0.66	12.00	3.18	2.09	1.59	1.16	3200	3642	Retained within site
A-9	0.17	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	0.33	1.03	636	636	Retained within site
A-10	0.38	0.0	0.0	90.0	10.0	0.66	12.00	3.18	2.09	0.79	1.16	1600	1821	Retained within site
B-1	0.55	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	1.06	1.03	2056	2056	Retained within site
B-2	0.38	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	0.73	1.03	1421	1421	Retained within site
B-3	0.57	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	1.10	1.03	2131	2131	Retained within site
B-4	1.25	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	2.40	1.03	4674	4674	Retained within site
B-5	0.94	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	1.81	1.03	3515	3515	Retained within site
B-6	0.69	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	1.33	1.03	2580	2580	Retained within site
B-7	0.84	0.0	0.0	100.0	0.0	0.63	12.00	3.05	1.92	1.61	1.03	3141	3141	Retained within site
С	0.31	0.0	0.0	20.0	80.0	0.85	12.00	4.08	3.45	1.07	2.07	2329	3770	Sheet flows to Griegos
D-1	4.47	0.0	0.0	60.0	40.0	0.74	12.00	3.57	2.63	11.76	1.55	25150	35535	Retained within site
D-2	5.62	0.0	0.0	60.0	40.0	0.74	12.00	3.57	2.63	14.79	1.55	31621	44677	Retained within site
TOTAL	20.75									48.46		100361	128396	

		Propo	osed Dr	rainage	Calcul	ations									
This	table is based on th	e COA DPM C	Chapter 6.2	? (A), Zone:	2								Ponding Req'd	Ponding Provided	
BASIN	Area	Land 7	Treatment P	ercentages	(%)	Weighted C	To	I (100)	Q(100)	Q(100)	WTE	V(100)350	V(100)10day	V(100) _{10day}	Comments
	(AC.)	Α	В	С	D		(min)	(in/hr)	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	(CF)	
A-1	0.45	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	1.36	1.81	2957	4525	6400	Retained within site
A-2	0.36	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	1.09	1.81	2365	3620	4600	Retained within site
A-3	0.17	0.0	0.0	20.0	80.0	0.85	12.00	4.08	3.45	0.59	2.07	1277	2067	0	Drains to Basin A-2
A-4	0.54	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	1.64	1.81	3548	5430	6000	Retained within site
A-5	0.91	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	2.76	1.81	5979	9150	5700	Retained within site
A-6	0.67	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	2.03	1.81	4402	6737	6100	Retained within site
A-7	0.72	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	2.18	1.81	4731	7240	7000	Retained within site
A-8	0.76	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	2.30	1.81	4993	7642	12425	Retained within site
A-9	0.17	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	0.51	1.81	1117	1709	1700	Retained within site
A-10	0.38	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	1.15	1.81	2497	3821	3250	Retained within site
B-1	0.55	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	1.67	1.81	3614	5530	5625	Retained within site
B-2	0.38	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	1.15	1.81	2497	3821	4200	Retained within site
B-3	0.57	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	1.73	1.81	3745	5731	4745	Retained within site
B-4	1.25	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	3.79	1.81	8213	12569	16510	Retained within site
B-5	0.94	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	2.85	1.81	6176	9452	8100	Retained within site
B-6	0.69	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	2.09	1.81	4534	6938	5000	Retained within site
B-7	0.84	0.0	0.0	40.0	60.0	0.79	12.00	3.82	3.03	2.54	1.81	5519	8446	7500	Retained within site
C	0.31	0.0	0.0	20.0	80.0	0.85	12.00	4.08	3.45	1.07	2.07	2329	0	0	Sheet flows to Griegos
D-1	4.47	0.0	0.0	60.0	40.0	0.87	12.00	3.57	3.11	13.92	1.55	25150	35535	36500	Retained within site
D-2	5.62	0.0	0.0	60.0	40.0	0.87	12.00	3.57	3.11	17.50	1.55	31621	44677	46000	Retained within site
TOTAL	20.75									63.90		127264	184641	187355	





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