Planning Department
David Campbell, Director



July 26, 2018

Mark Goodwin, P.E. Mark Goodwin & Associates PO Box 90606 Albuquerque, NM, 87199

RE: Juan Tabo Hills Estates
Revised Grading Plan
Engineer's Stamp Date: 7/12/18
Hydrology File- M21D018; DRB# 1005278

Dear Mr. Goodwin:

Based on the submittal received on 7/20/18, the revised grading plan cannot be approved until the following are corrected:

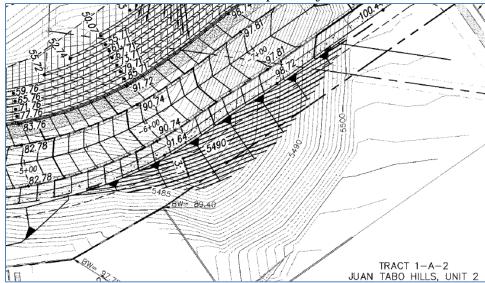
PO Box 1293

1. Fill in or provide an armored drainage conveyance for the low spot south of the Rocky Top entrance. This area cannot be allowed to pond adjacent to the road embankment:

Albuquerque

NM 87103

www.cabq.gov

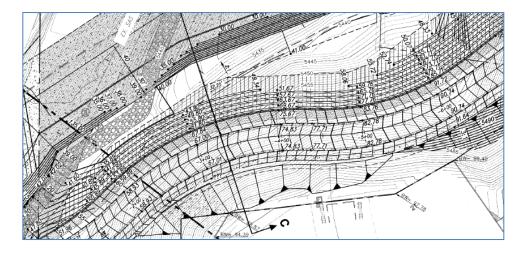


- 2. Provide the sections shown on the grading plan.
- 3. Provide an armored drainage conveyance for the interspaces between the terraced retaining walls and down into the storm water pond; ensure the AMAFCA access road is protected from this runoff:

Planning Department
David Campbell, Director



Mayor Timothy M. Keller



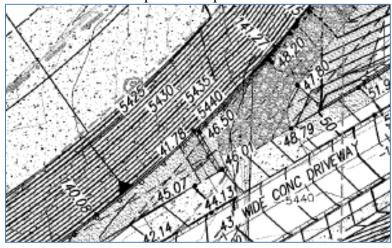
4. Please verify that the AMAFCA maintenance ramp, gate, and retaining walls are consistent with the current bank protection plans:

PO Box 1293

Albuquerque

NM 87103

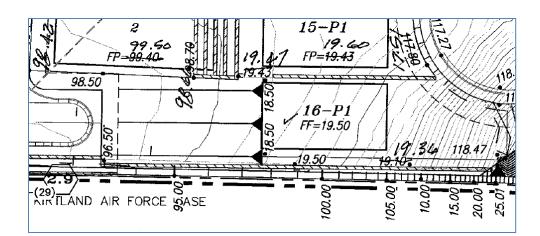
www.cabq.gov



- 5. Provide self-ponding areas in the interspace (park) between the AMAFCA access road and the public road. The contours and spot elevations should reflect the access road as sloping at 2% away from the top of shotcrete and back into the park area. The ponding areas should be sized for the 10-day, 100-yr volume with supporting calculations provided.
- 6. This plan proposes lot adjustments and changes to the approved grades in excess of 18" and within 50' of the property line (vicinity Lot16, Block13). The amended preliminary plat will require Development Review Board approval (Hydrology approval of the revised grading plan will be a pre-requisite of the amended plat):

Planning Department
David Campbell, Director





- 7. Many of the Lots have been re-numbered. Is this intentional? This will need to be updated on the amended preliminary plat as well. Look at: Block 19, Block 14, Block 13,
- 8. Lot 8(?) of Block 12 is not labeled. Lot 6(?) of Block 4 is not labeled. Lot 6(?) and Lot 7(?) of Block 2 are not labeled.

PO Box 1293

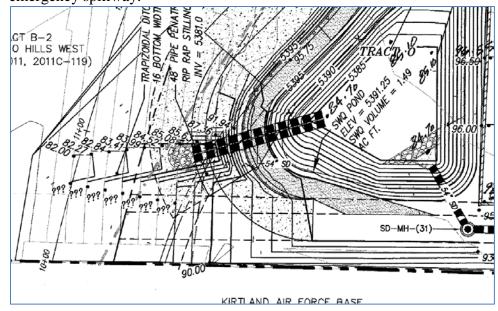
9. The pads for: Lot 1- Block 14, Lot 1- Block 15, Lot 16- Block 9, encroach into the ROW; please correct.

Albuquerque

10. Explain the switch to the dual pipe penetration at the SW pond. Is this reflected in the bank protection plans? Where are its build notes? It is still labeled as a single 48" pipe. The grading for the AMAFCA access ramp should be shown here as well as the grades for the emergency spillway:

NM 87103

www.cabq.gov

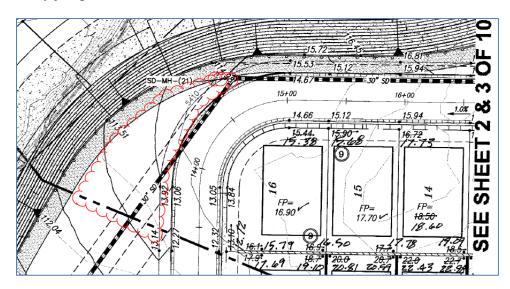


Planning Department David Campbell, Director



Mayor Timothy M. Keller

- 11. Will this pond still function as a first flush facility? If not, than payment of the Fee-in-Lieu will be required at a rate or \$6/cf for the SWQ volume.
- 12. Provide rip-rap armoring at the outside bend of Sandia Sunset. If water surcharges out of the NMDOT inlet upstream near MH-47, flows will travel overland down Sandia Sunset and will likely jump the curb at this bend:



PO Box 1293

Albuquerque

NM 87103

13. Hydrology recommends putting the prudent line for the Tijeras Arroyo on this grading plan if desiring to obtain Pad Certifications prior to acceptance of the bank protection. Otherwise the prudent line will need to be added on each Pad Certification.

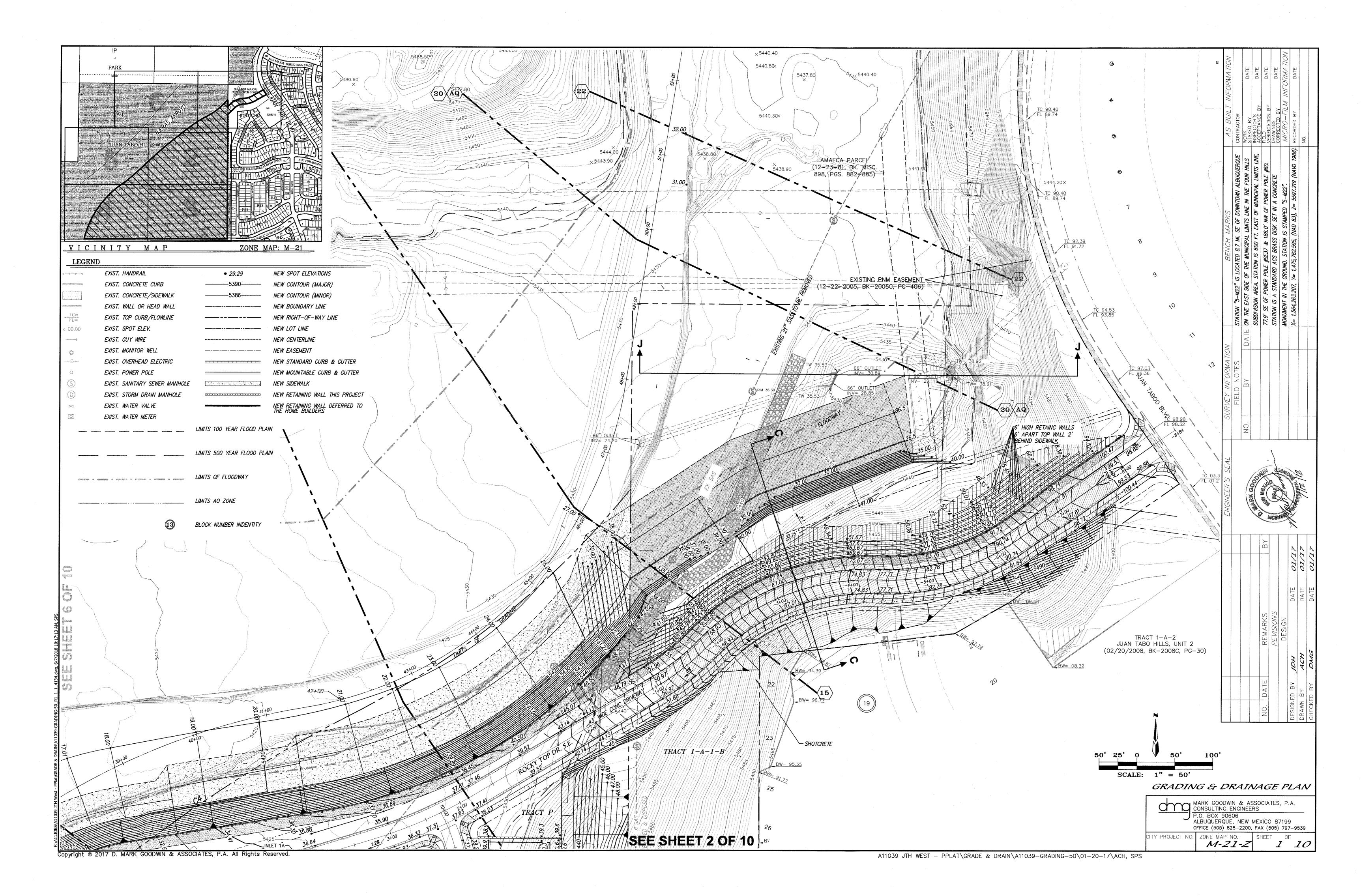
If you have any questions, you can contact me at 924-3695 or dpeterson@cabq.gov.

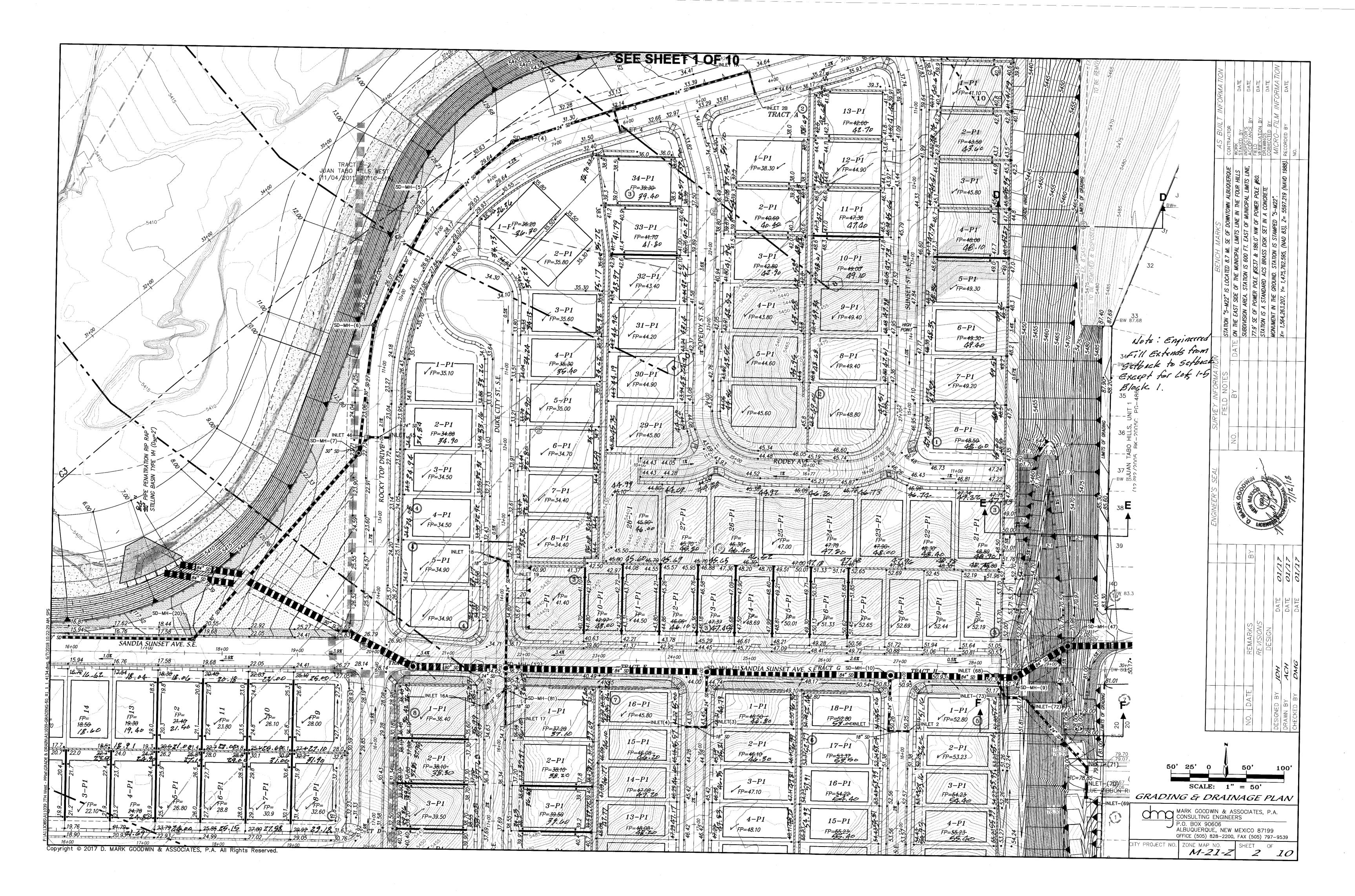
www.cabq.gov

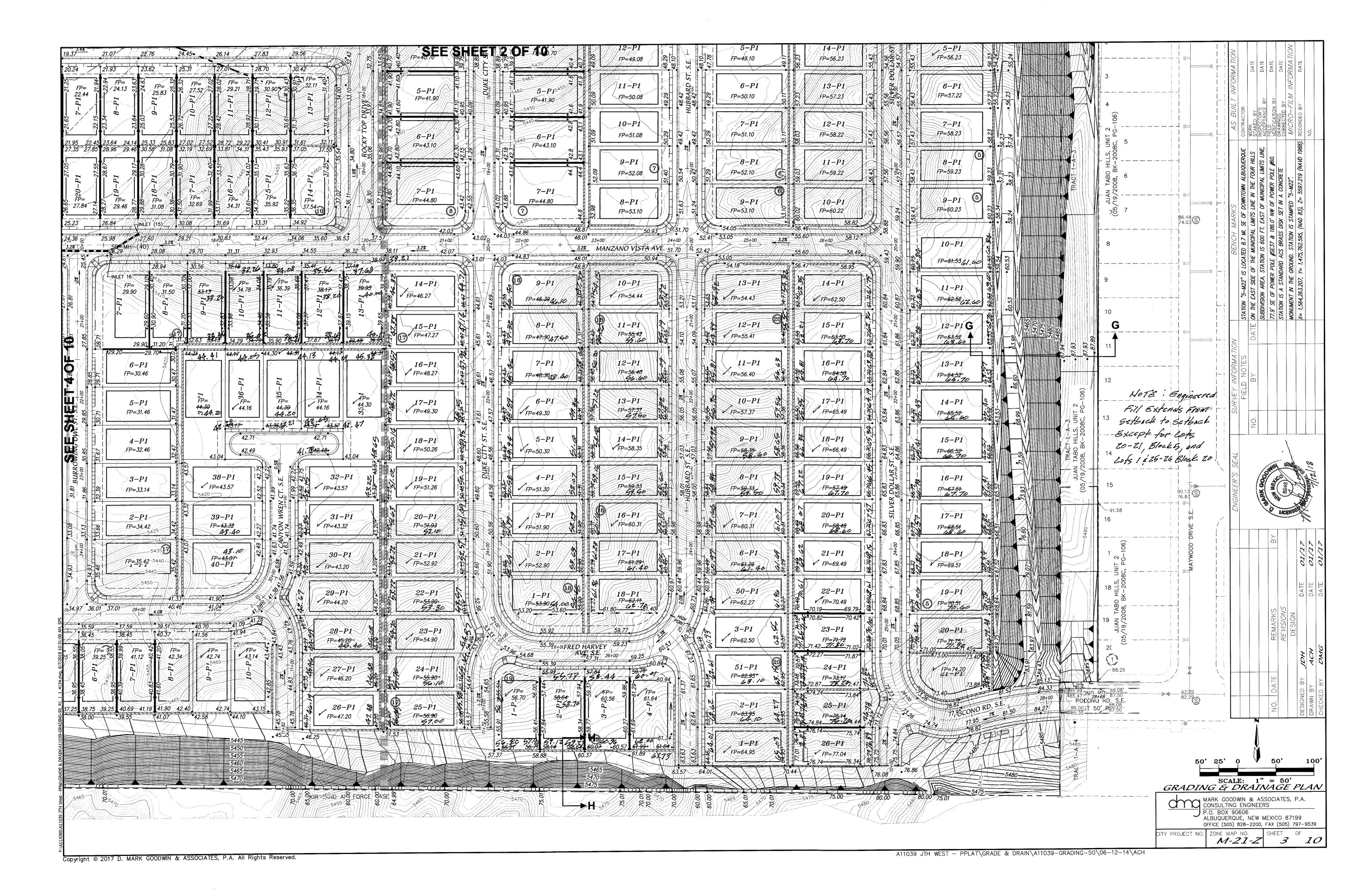
Sincerely,

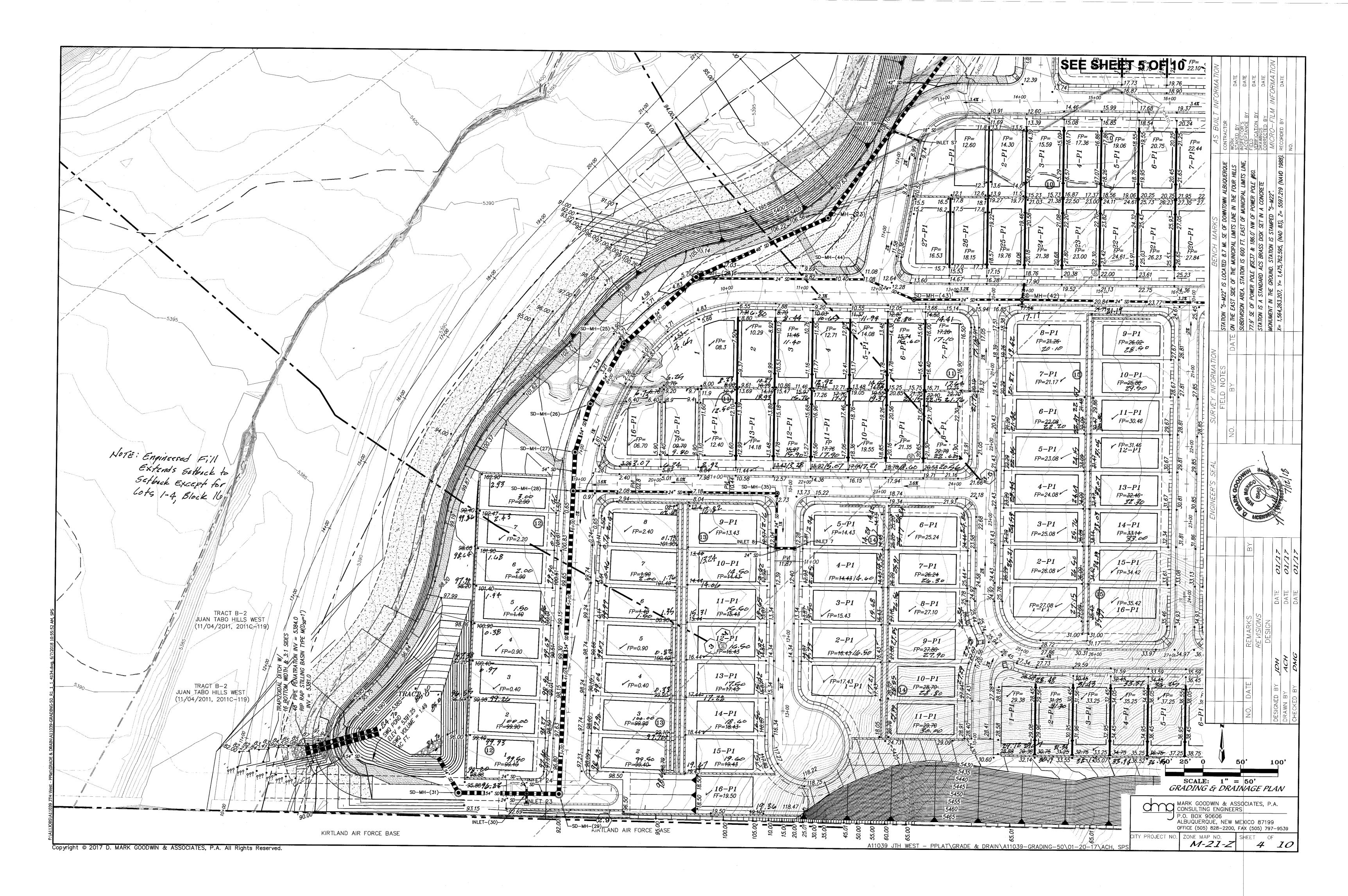
Dana Peterson, P.E.

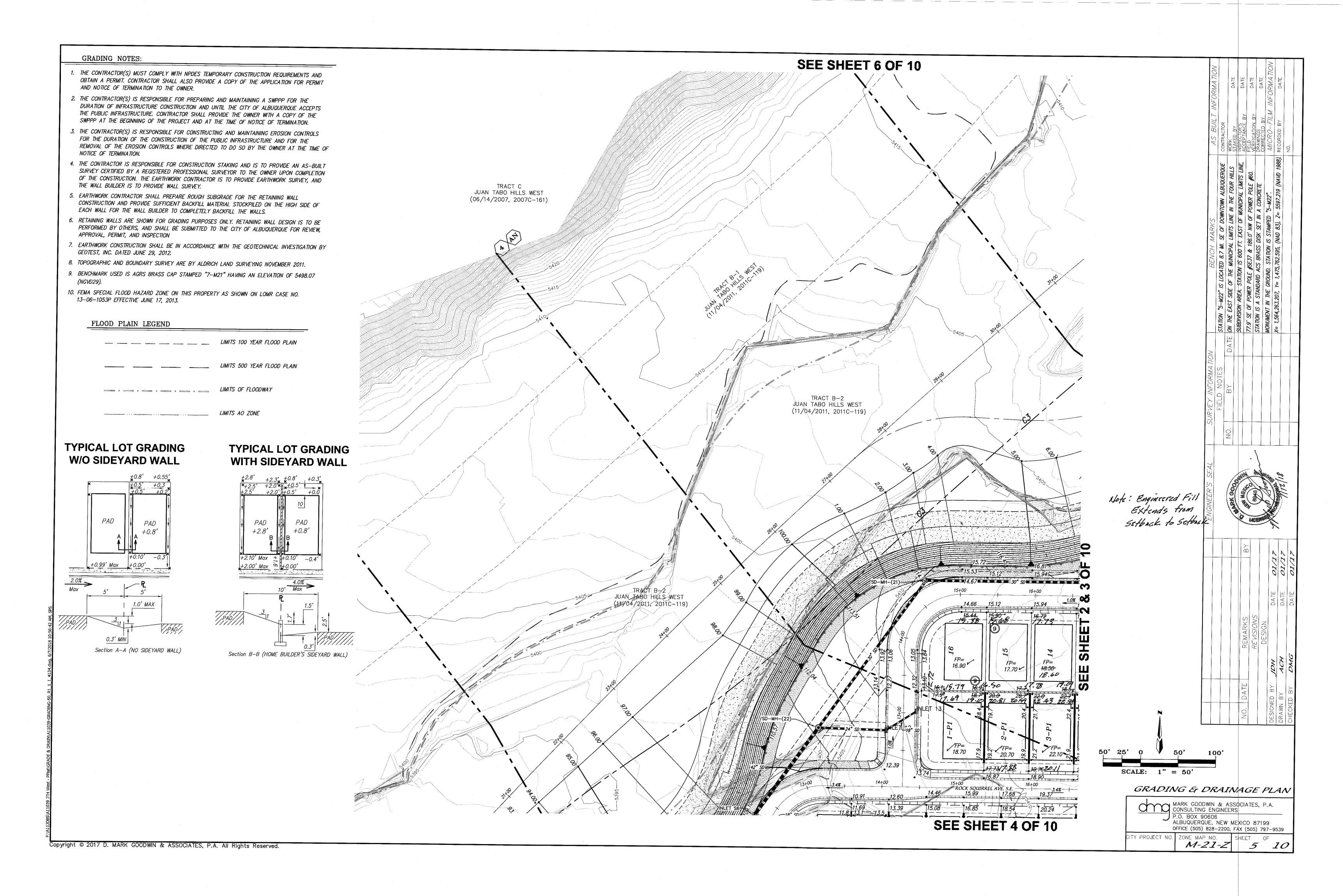
Senior Engineer, Planning Dept. **Development Review Services** 

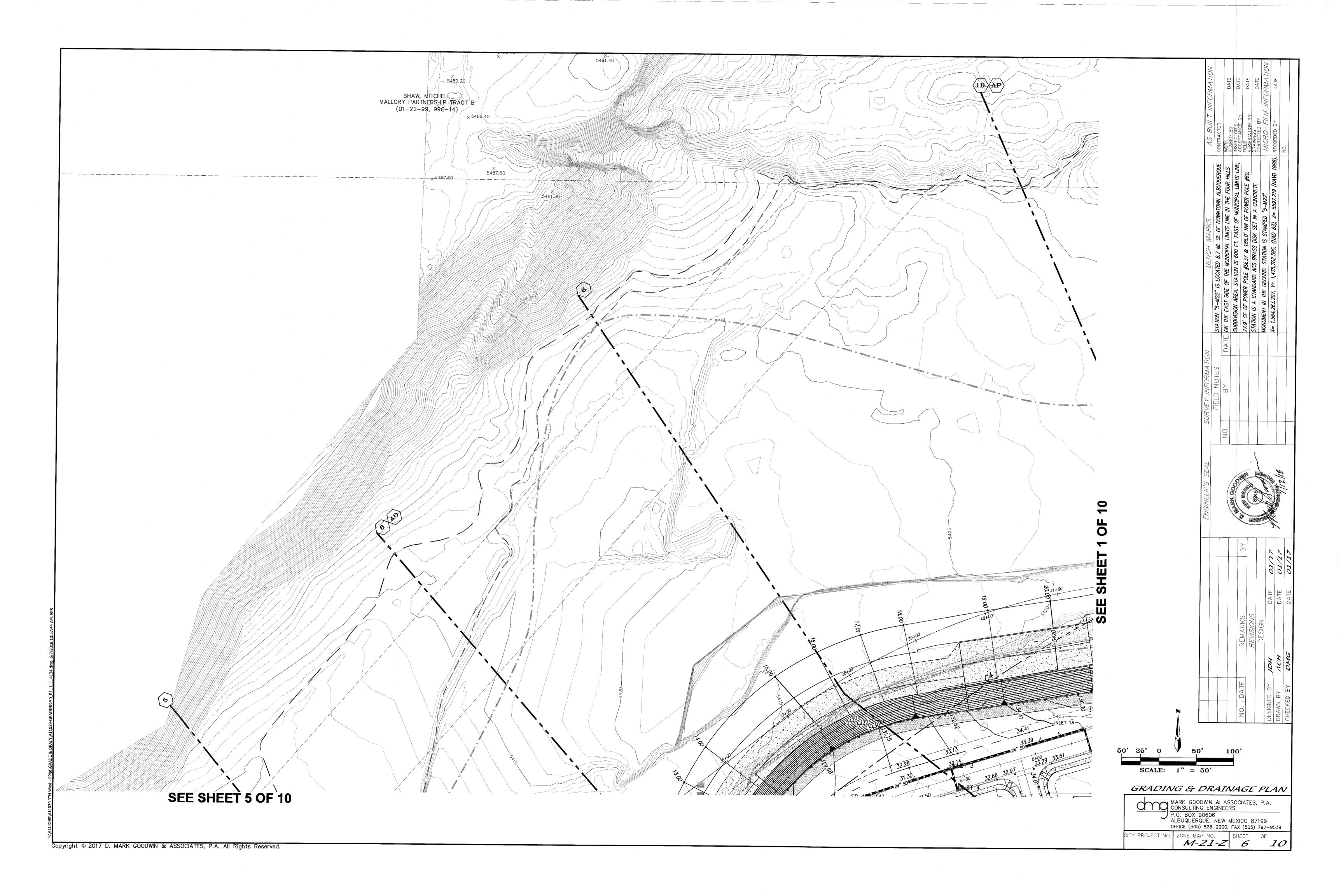












500' 2	50'	0		50	00'	100	00"
	SCA	LE:	1"	=	500'		

AHYMO BASIN ID		AREA		Ground Cover (%)			r (%)	Q <sub>100</sub> (cfs)	Water Quality Volume (Ac-Ft)	
	Location	(Ac)	(Sq mi)	Α	В	С	D	Increment	Increment	Sub Total
100	Four Hills	89.10	0.13922	8	18	35	38.7	328.22	1.3218	1.3218
101	Juan Tabo Hills	66.80	0.10438	0	19	39	42	282.50	1.0755	1.0755
200	Four Hills	9.00	0.01406	0	20	40	40	37.61	0.1380	1.4598
201	Kirtland	76.30	0.01828	100	0	0	0	27.64	0.0000	0.0000
203	Juan Tabo Hills	42.50	0.06641	0	22	45	33	172.59	0.5376	1.6131
300	Juan Tabo Hills	22.30	0.03484	0	14	29	57	99.75	0.4873	2.1004
400	JTH Estates	77.70	0.12141	0	9	41	50	343.61	1.4893	1.4893
TOTALS:		383.70	0.50					1291.92		5.05

- AHYMO BASIN BOUNDARY SUB-BASIN BOUNDARY NEW RCP STORM DRAIN AHYMO BASIN NUMBER

JUAN TABO HILLS ESTATES

DRAINAGE BASIN MAP

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS

P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539

CITY PROJECT NO. ZONE MAP NO. SHEET OF M-21-2

Copyright @ 2017 D. MARK GOODWIN & ASSOCIATES, P.A. All Rights Reserved.

