### CITY OF ALBUQUERQUE

Planning Department
David Campbell, Director



August 27, 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: 8/9/18
Hydrology File- M21D018; DRB# 1005278

Dear Mr. Goodwin:

Based on the submittal received on 8/17/18, the revised grading plan cannot be approved until the following are corrected:

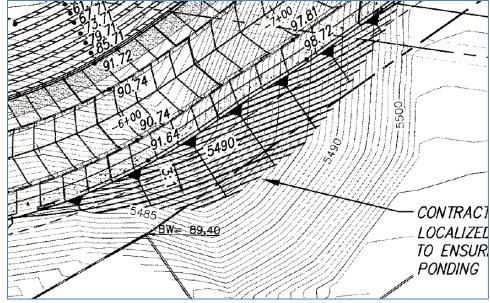
PO Box 1293

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

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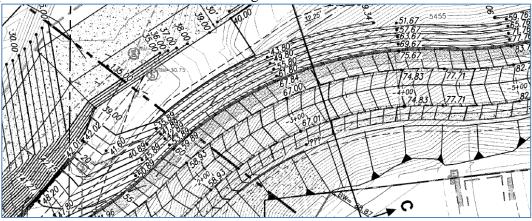
### CITY OF ALBUQUERQUE

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Mayor Timothy M. Keller

2. 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. The section C-C inset, showing the V-swale with riprap needs to be provided for each terrace of the retaining walls.



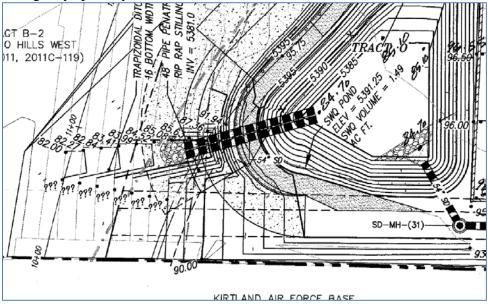
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Albuquerque

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- 3. Provide self-ponding areas in the interspace (park) between the AMAFCA access road and the public road, or drain away from bank protection per AMAFCA direction. 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. If used, the ponding areas should be sized for the 10-day, 100-yr volume with supporting calculations provided.
- 4. 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:



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- 5. 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.
- 6. All of the grading sheets need to be re-stamped and re-dated, not just sheet 1 (the basin maps can remain as-is).

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

Dana Peterson, P.E.
Senior Engineer, Planning Dept.

**Development Review Services** 

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



# City of Albuquerque

#### Planning Department

#### Development & Building Services Division

#### DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

	ermit #: Hydrology File #: Alnois
	Work Order#:
	Fract 1-A-1 Juan Tabo Holls limit 2
City Address: Juan Tabo Hills and lyeras	Acrospo
Applicant: Eastside Development, Inc.	Contact: _Rex wilson
Address: PO Box 9470, Albuquergre nm &	7117
Phone#: 399 - 676 Fax#:	E-mail: cwr7d2 evolicon
Other Contact: Mark Gordin & Associates	PA Contact: Mark harawn
Address: DO Box 900000 Alborrage am	37199
Phone#: 303 3300 Fax#:	E-mail: markegarku nergineers c
TYPE OF DEVELOPMENT: 132 PLAT (# of lots)	
IS THIS A RESUBMITTAL? YesNo	
DEPARTMENT TRANSPORTATION HY	DROLOGY/DRAINAGE
Check all that Apply:	TYPE OF APPROVAL/ACCEPTANCE SOUGHT:
TYPE OF SUBMITTAL:	BUILDING PERMIT APPROVAL
ENGINEER/ARCHITECT CERTIFICATION	CERTIFICATE OF OCCUPANCY
PAD CERTIFICATION	PRELIMINARY PLAT APPROVAL
CONCEPTUAL G & D PLAN	SITE PLAN FOR SUB'D APPROVAL
GRADING PLAN	SITE PLAN FOR BLDG. PERMIT APPROVAL
DRAINAGE REPORT DRAINAGE MASTER PLAN	FINAL PLAT APPROVAL
DRAINAGE MASTER PLAN FLOODPLAIN DEVELOPMENT PERMIT APPLIC	
ELEVATION CERTIFICATE	SIA/ RELEASE OF FINANCIAL GUARANTEE
CLOMR/LOMR	FOUNDATION PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOUT (TCL)	GRADING PERMIT APPROVAL SO-19 APPROVAL
TRAFFIC IMPACT STUDY (TIS)	PAVING PERMIT APPROVAL
STREET LIGHT LAYOUT	GRADING/PAD CERTIFICATION
OTHER (SPECIFY)	WORK ORDER APPROVAL
PRE-DESIGN MEETING?	CLOMR/LOMR
	FLOODPLAIN DEVELOPMENT PERMIT
	OTHER (SPECIFY)
DATE SUBMITTED: _ 8.17.18 By: _ By: _ C	rark Goodwin, PE

FEE PAID:\_\_\_\_



# D. Mark Goodwin & Associates, P.A. Consulting Engineers

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

- ~ 2012 ACEC/NM Award Winner for Engineering Excellence ~
- ~ 2008 ACEC/NM Award Winner for Engineering Excellence ~
- ~ 2017 ENR Landscape/Urban Development Award of Merit-

August 17, 2018

Mr. Dana Peterson City of Albuquerque 600 2<sup>nd</sup> Street SW Albuquerque, NM 87102

Re: Juan Tabo Hills

File: M21D018, DRB 1005278

Dear Mr. Peterson,

In response to your letter dated 7/26/18 and our meeting of 8/6/2018, we offer the following:

- 1. Note has been added to fill localized low area adjacent to the street.
- 2. Sections have been updated and are shown.
- 3. Armoring between walls has been added.
- 4. Current AMAFCA improvements are shown.
- 5. Ponding behind the Bank Protection will not be allowed. These areas are still in design with the Bank Protection Plans.
- 6. Amended Plat & Grading Plan was submitted to DRB.
- 7. All lot numbers correspond with the Final Plat.
- 8. All lots are numbered.
- 9. Pads encroach into P.U.E.'s not R.W. P.U.E has been labeled.
- 10. SWQ Pond requirements have not been determined.
- 11. Same as 10.
- 12. Rip-Rap Section has been added.
- 13. Prudent Line will be shown on appropriate Pad Certification.

Will this response, we request approval of this plan.

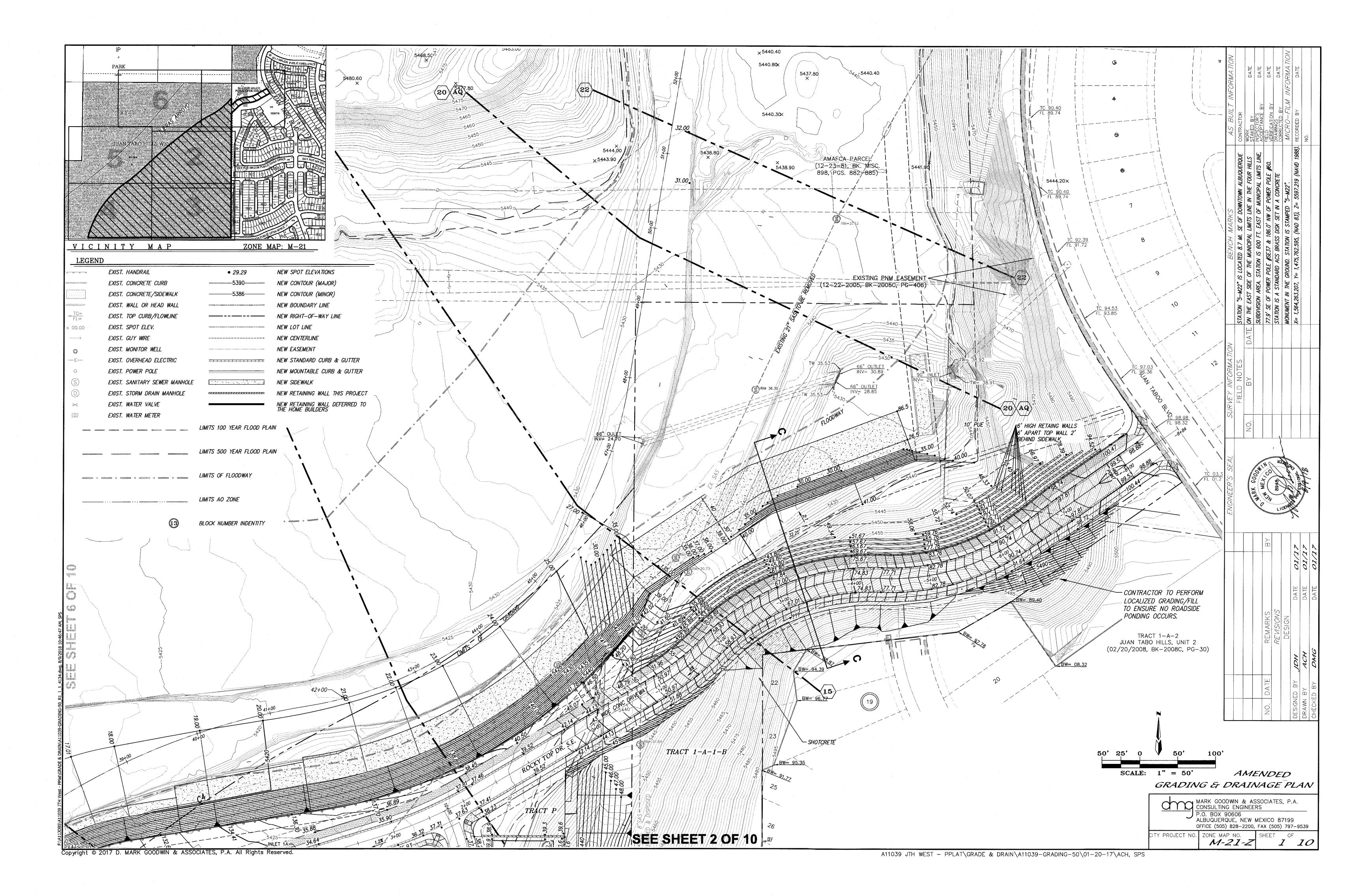
Please contact us with any further questions.

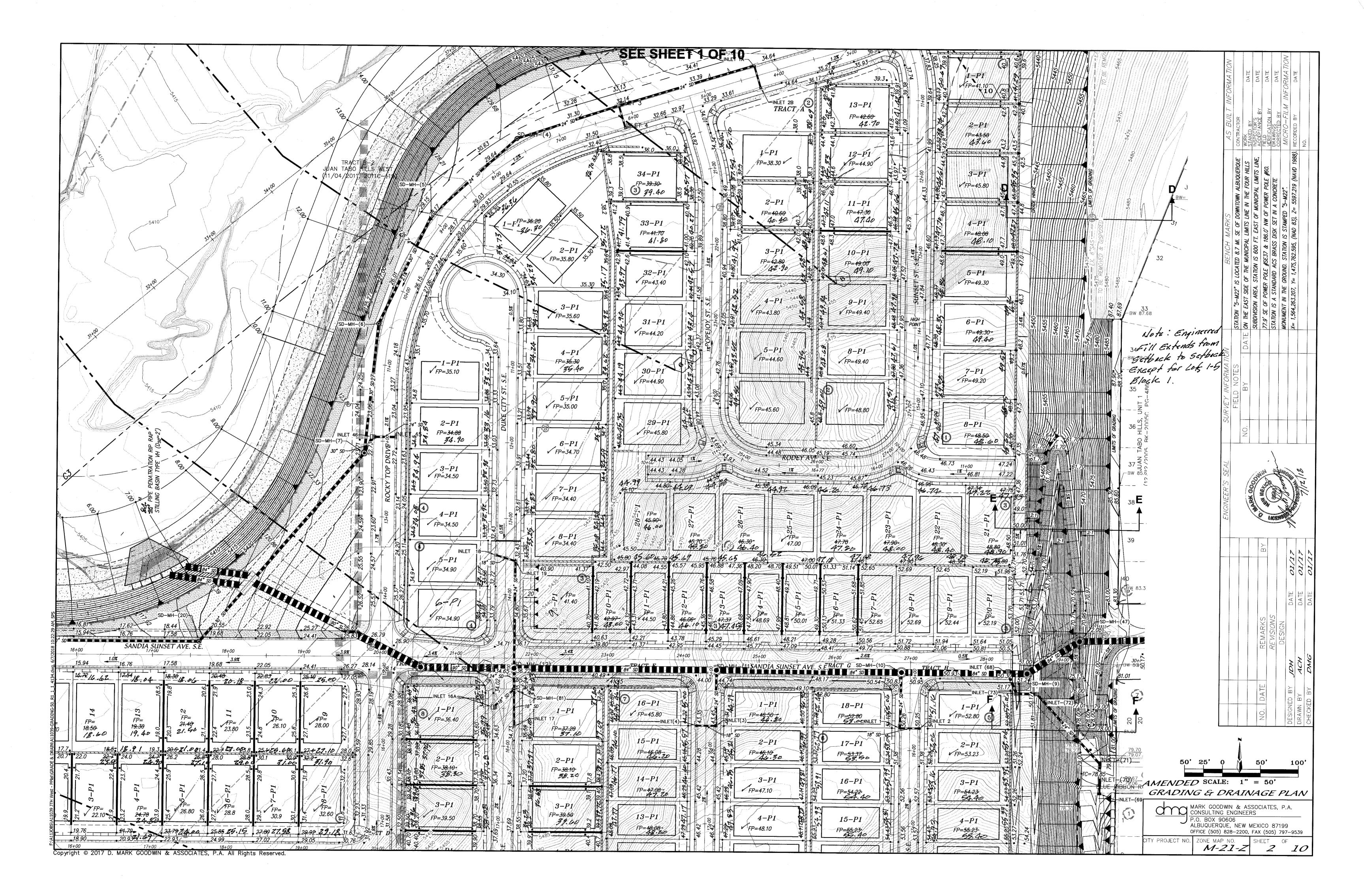
Sincerely,

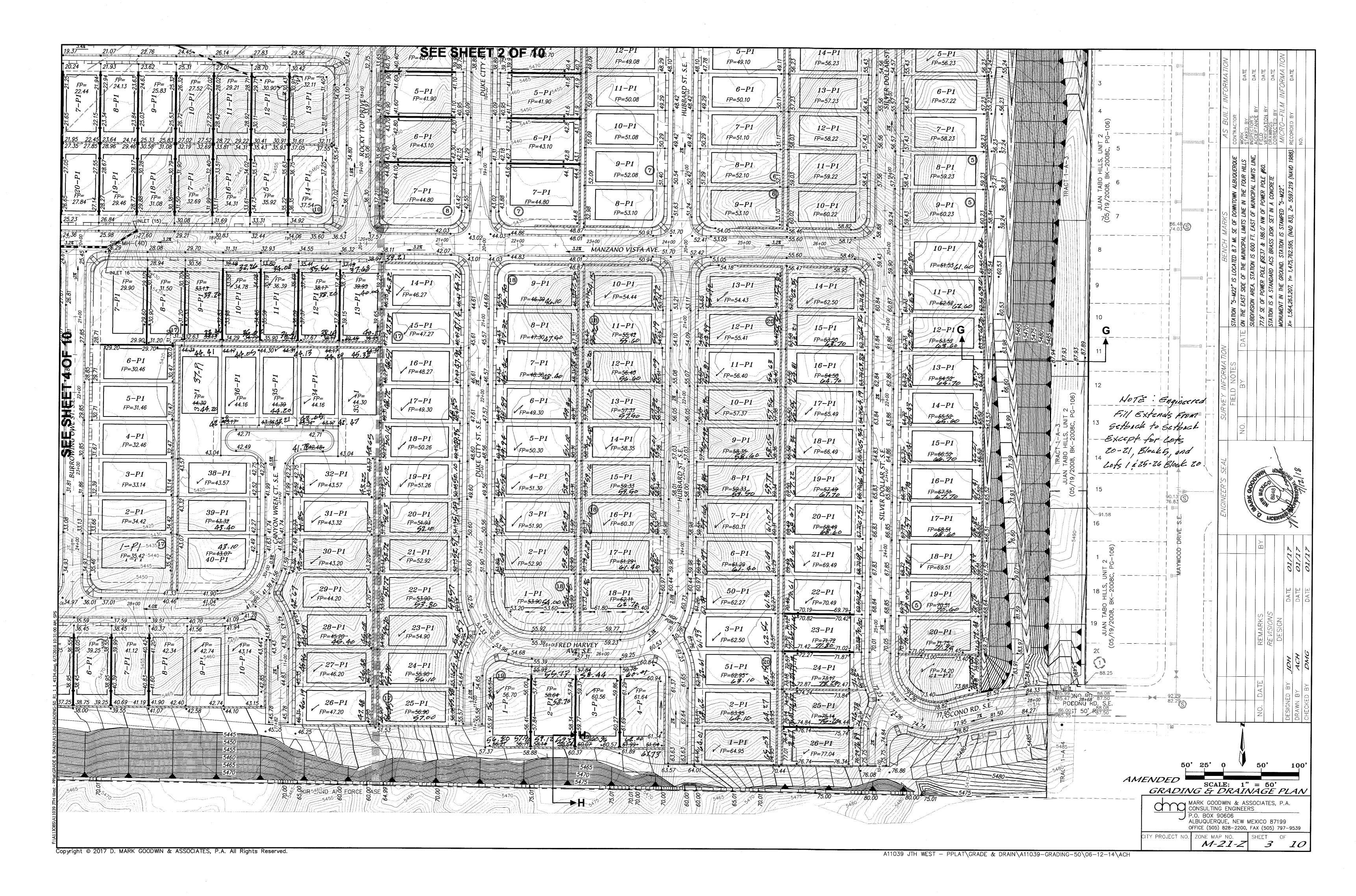
MARK GOODWIN & ASSOCIATES, PA

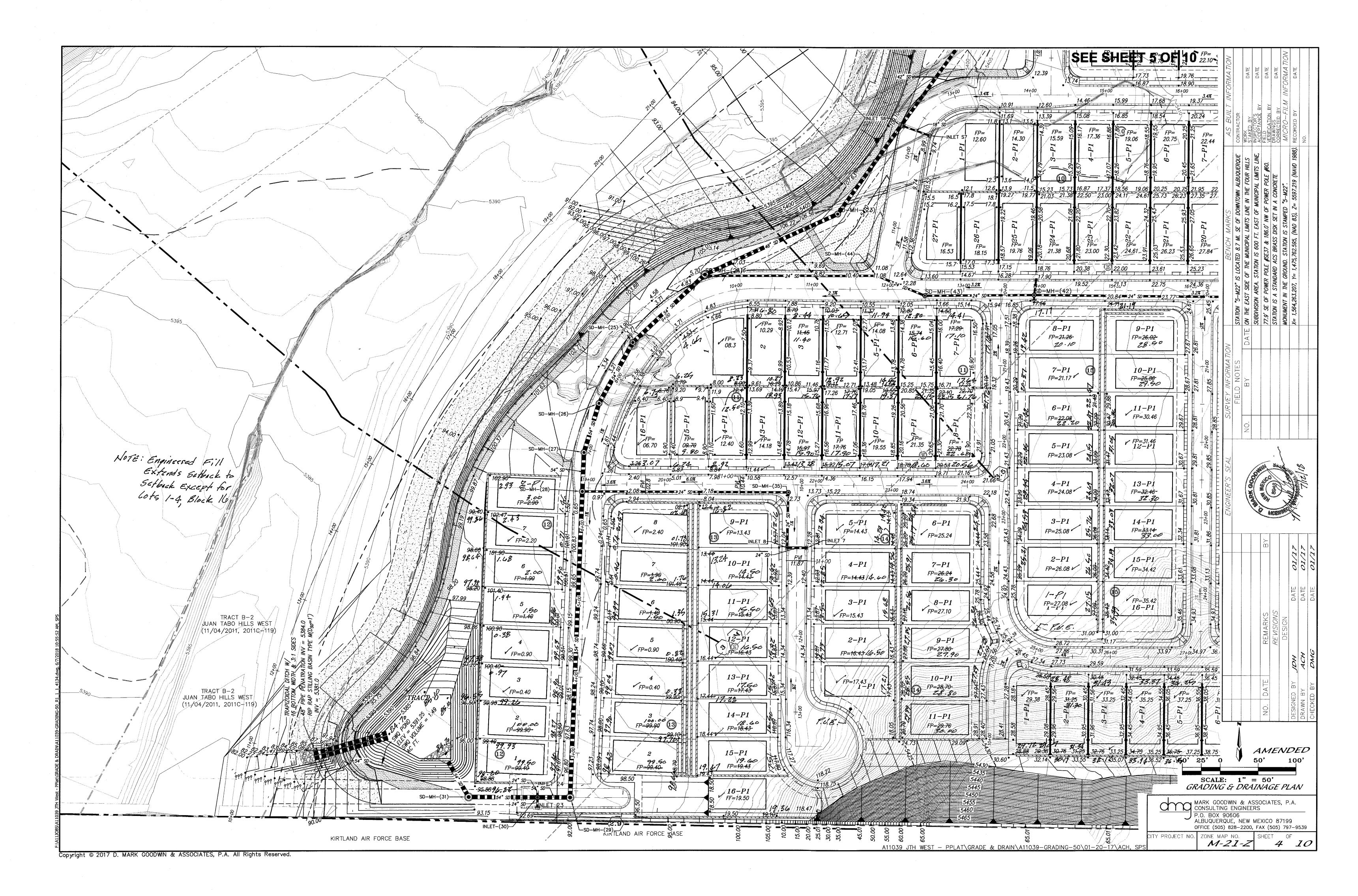
Mark Goodwin, PE

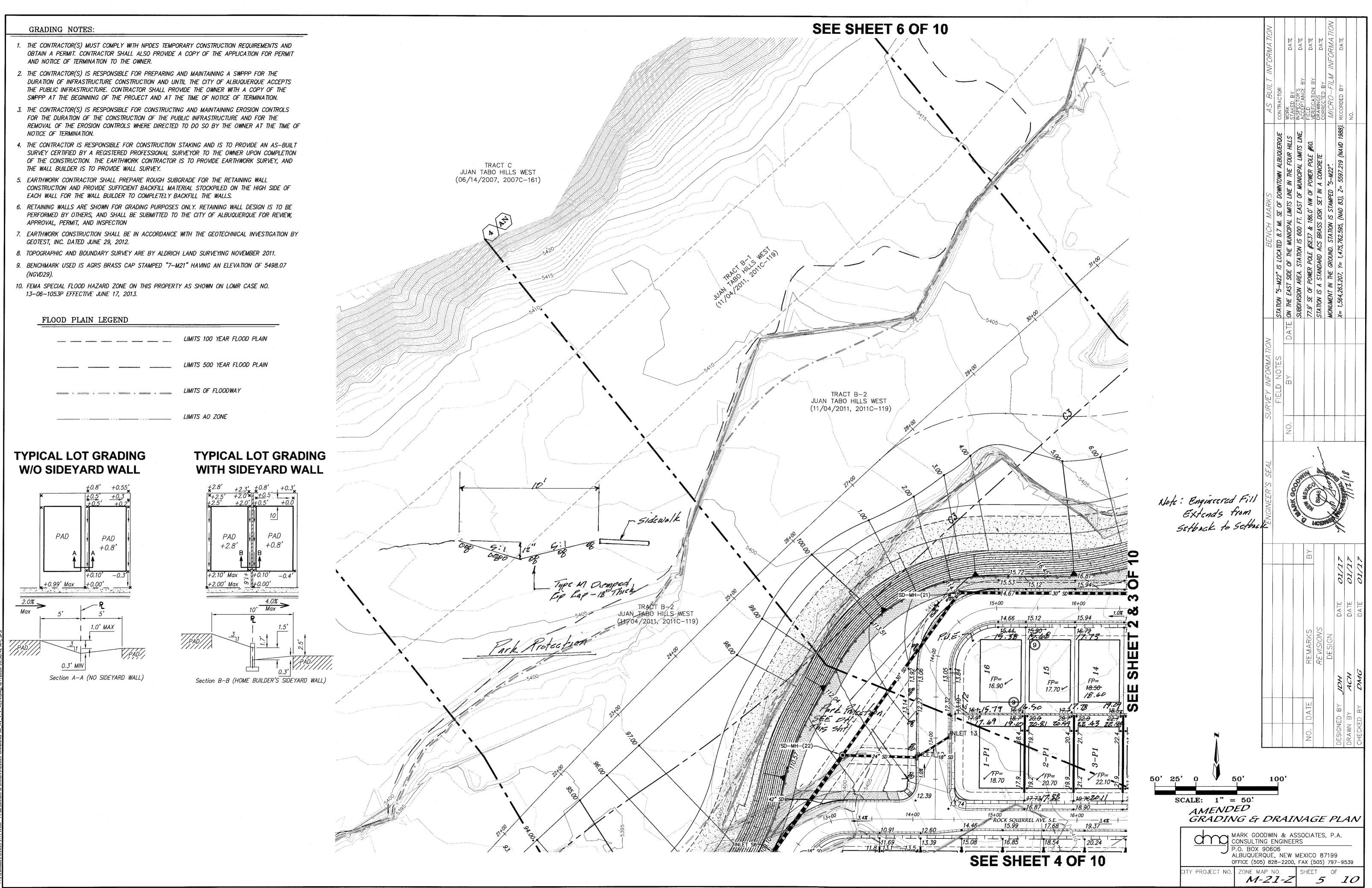
President

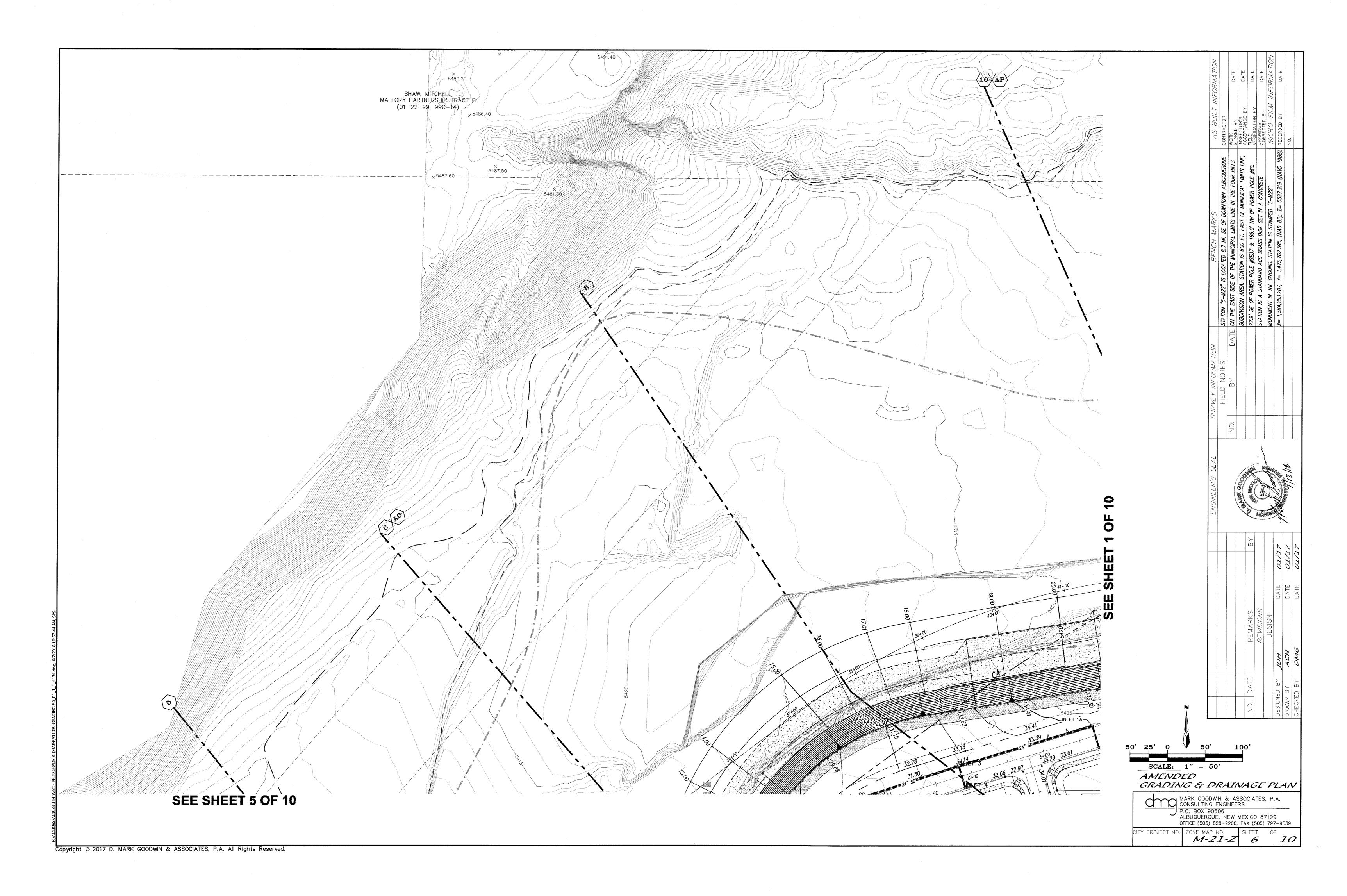








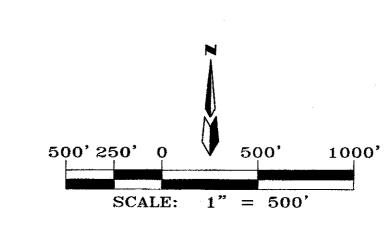






AHYMO		Al	Ground Cover (%)				Q <sub>100</sub> (cfs)	Water Quality Volume (Ac-		
BASIN ID	Location	(Ac)	(Sq mi)	Α	В	С	D	Increment	Increment	Sub Total
100	Four Hills	89.10	0.13922	8	18	35	38.7	328.22	1.3218	1.3218
101	Juan Tabo Hills	66.80	0.10438	0	19	39	42	282.50	1.0755	1.0755
200	Four Hills	9.00	0.01406	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



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AMENDED

JUAN TABO HILLS ESTATES

DRAINAGE BASIN MAP

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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-2I-Z 7 10

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