



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 24, 2001

Ron Bohannon, PE
Tierra West LLC
8509 Jefferson NE
Albuquerque, NM 87113

Re: Los Suenos Subdivision Amended Grading Plan
Engineer Stamp date 5-24-01 (A11/D4)

Dear Mr. Bohannon,

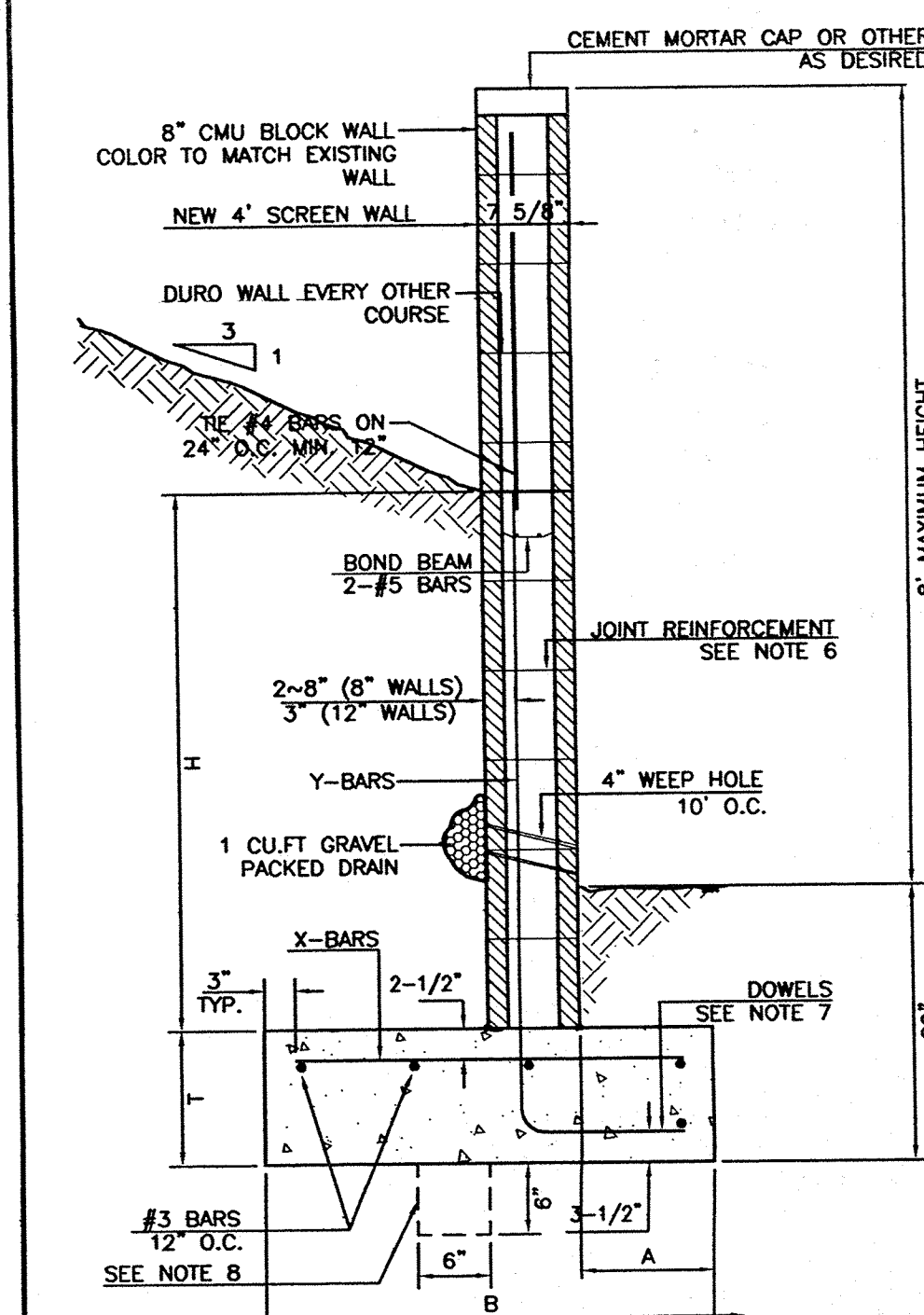
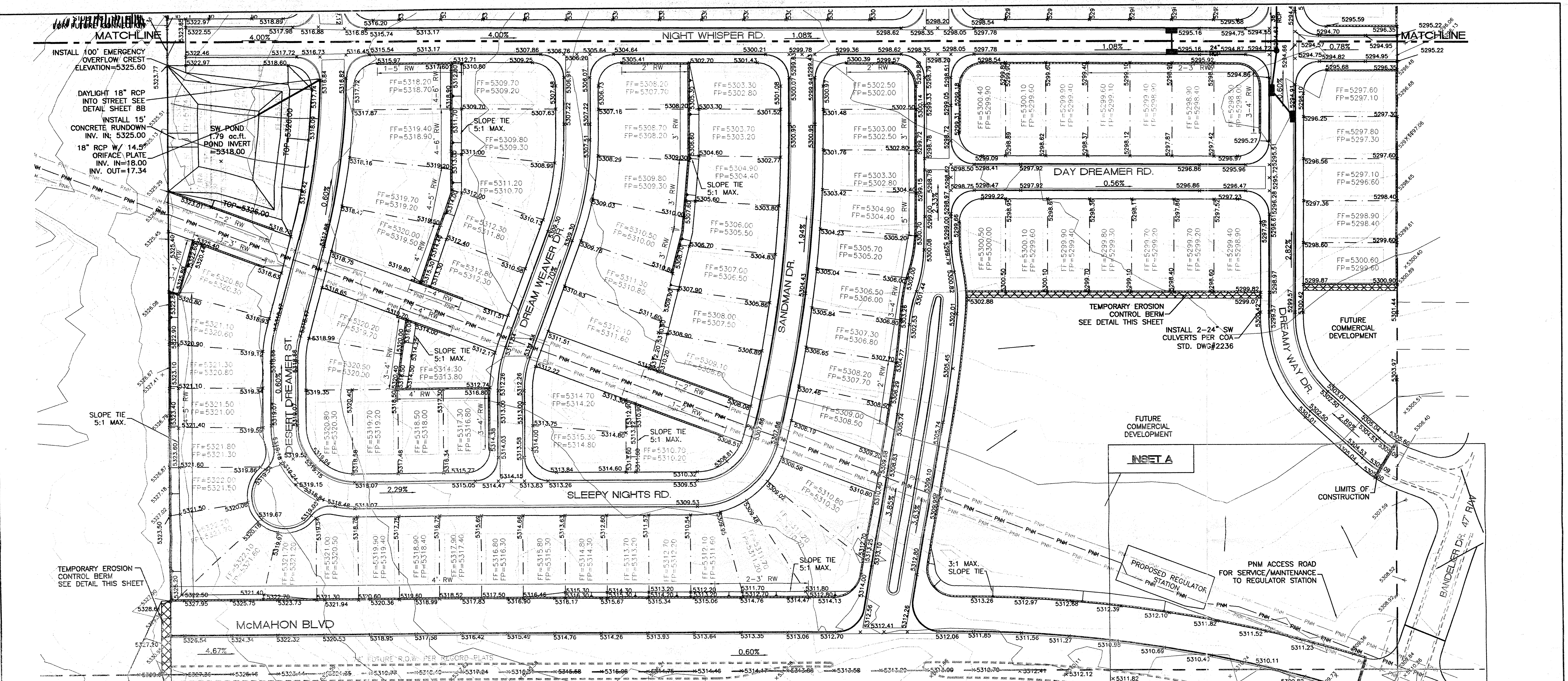
Based on information provided in your submittal dated 5-24-01, the above referenced plan is approved as amended. This is the plan (with the 5-24-01 stamp date) that must be certified for release of Financial Guarantees.

If you have any questions, you can contact me at 924-3986.

Sincerely,

Bradley L. Bingham, PE
Sr. Engineer, Hydrology

C: file

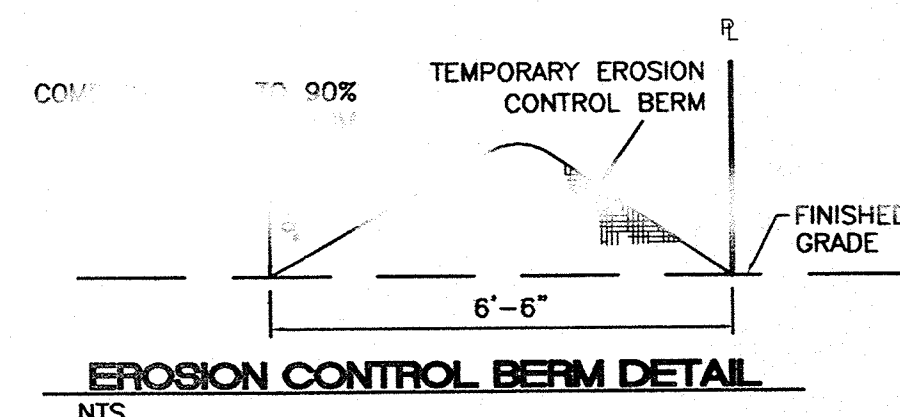


8 INCH REINFORCED CONCRETE MASONRY WALL									
H	X	A	B	T	Y-BARS				
ft.-in.	ft.-in.	in.	ft.-in.	in.					
2'-0"	1'-1"	8"	2'-4"	8"	#3 @ 32" O.C.	#3			
2'-6"	1'-7"	8"	2'-10"	8"	#3 @ 32" O.C.	#3			
3'-0"	2'-0"	8"	3'-2"	8"	#3 @ 32" O.C.	#3			
3'-6"	2'-6"	8"	3'-8"	8"	#3 @ 32" O.C.	#3			
4'-0"	3'-0"	10"	4'-2"	10"	#3 @ 32" O.C.	#3			
4'-6"	3'-6"	10"	4'-8"	10"	#3 @ 32" O.C.	#3			
5'-0"	4'-0"	12"	5'-2"	12"	#3 @ 32" O.C.	#3			
5'-6"	4'-6"	12"	5'-8"	12"	#3 @ 32" O.C.	#3			
6'-0"	5'-0"	14"	6'-2"	14"	#3 @ 32" O.C.	#3			

12 INCH REINFORCED CONCRETE MASONRY WALL									
H	X	A	B	T	Y-BARS	X-BARS			
ft.-in.	ft.-in.	in.	ft.-in.	in.					
5'-4"	4'-8"	14"	3'-8"	10"	#4 @ 24" O.C.	#3 @ 25" O.C.			
6'-0"	5'-4"	15"	4'-2"	12"	#4 @ 24" O.C.	#4 @ 22" O.C.			
6'-6"	6'-0"	16"	4'-8"	12"	#4 @ 24" O.C.	#4 @ 22" O.C.			
7'-0"	6'-6"	18"	5'-2"	12"	#4 @ 24" O.C.	#4 @ 22" O.C.			
7'-6"	7'-2"	20"	5'-8"	12"	#4 @ 24" O.C.	#4 @ 22" O.C.			
8'-0"	7'-8"	22"	6'-2"	12"	#4 @ 24" O.C.	#4 @ 22" O.C.			
8'-6"	8'-4"	24"	6'-8"	12"	#4 @ 24" O.C.	#4 @ 22" O.C.			
9'-0"	9'-0"	26"	7'-2"	12"	#4 @ 24" O.C.	#4 @ 22" O.C.			
9'-6"	9'-6"	28"	7'-8"	12"	#4 @ 24" O.C.	#4 @ 22" O.C.			
10'-0"	10'-0"	30"	8'-2"	12"	#4 @ 24" O.C.	#4 @ 22" O.C.			

- GENERAL NOTES:**
- ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
 - MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE $\pm 2.0\%$.
 - BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
 - ALL BARS ARE TO BE GRADE 60, ASTM 615.
 - TRUSS TYPE DWR-O-WALL EVERY OTHER COURSE.
 - DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOP OF THE FOOTING.
 - PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0".
 - USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.
 - #3 BARS TO BE USED ON WALLS LESS THAN 2'-8" HEIGHT.
 - #4 BARS TO BE USED ON WALLS EXCEEDING 2'-8" HEIGHT.
 - #4 BARS TO BE USED ON WALLS SMALLER THAN 3'-4".
 - #4 BARS TO BE USED ON WALLS UNDER 3'-4".
 - #4 BARS TO BE USED ON WALLS UNDER 3'-4".
 - #4 BARS TO BE USED ON WALLS UNDER 3'-4".
 - #4 BARS TO BE USED ON WALLS UNDER 3'-4".

RETAINING WALL DETAIL

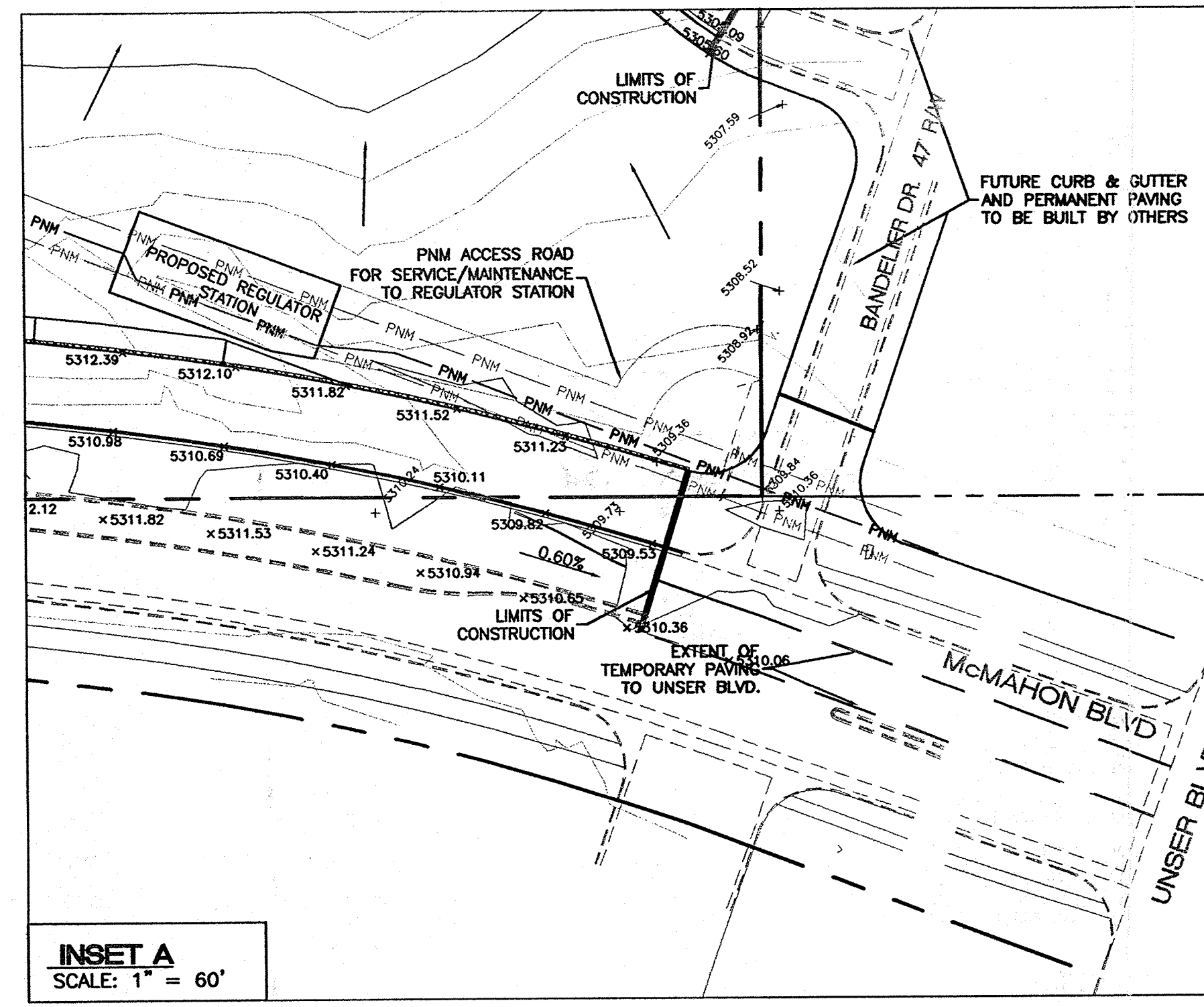


GENERAL NOTES

- ALL SPOT ELEVATIONS ARE FLOWLINE.
- 18" MAX. RETAINAGE ON ALL PERIMETER WALLS.

LEGEND

- EXISTING CURB & GUTTER
- FUTURE CURB & GUTTER
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED LOT LINE
- BUILDING SETBACK
- PROPOSED MOUNTABLE CURB AND GUTTER
- PROPOSED STANDARD CURB AND GUTTER
- RETAINING WALL
- PERIMETER WALL



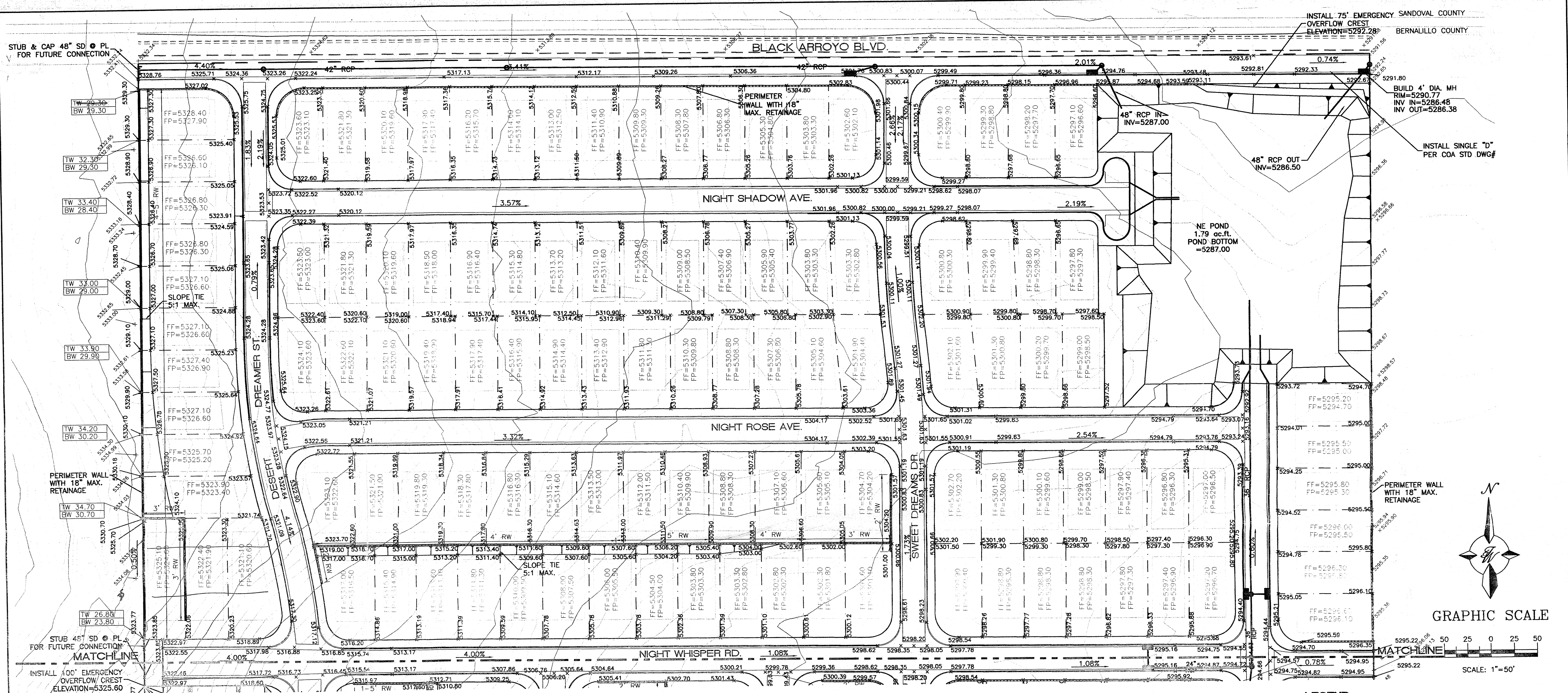
*all others void
Most upto
date*

GRAPHIC SCALE

50 25 0 25 50

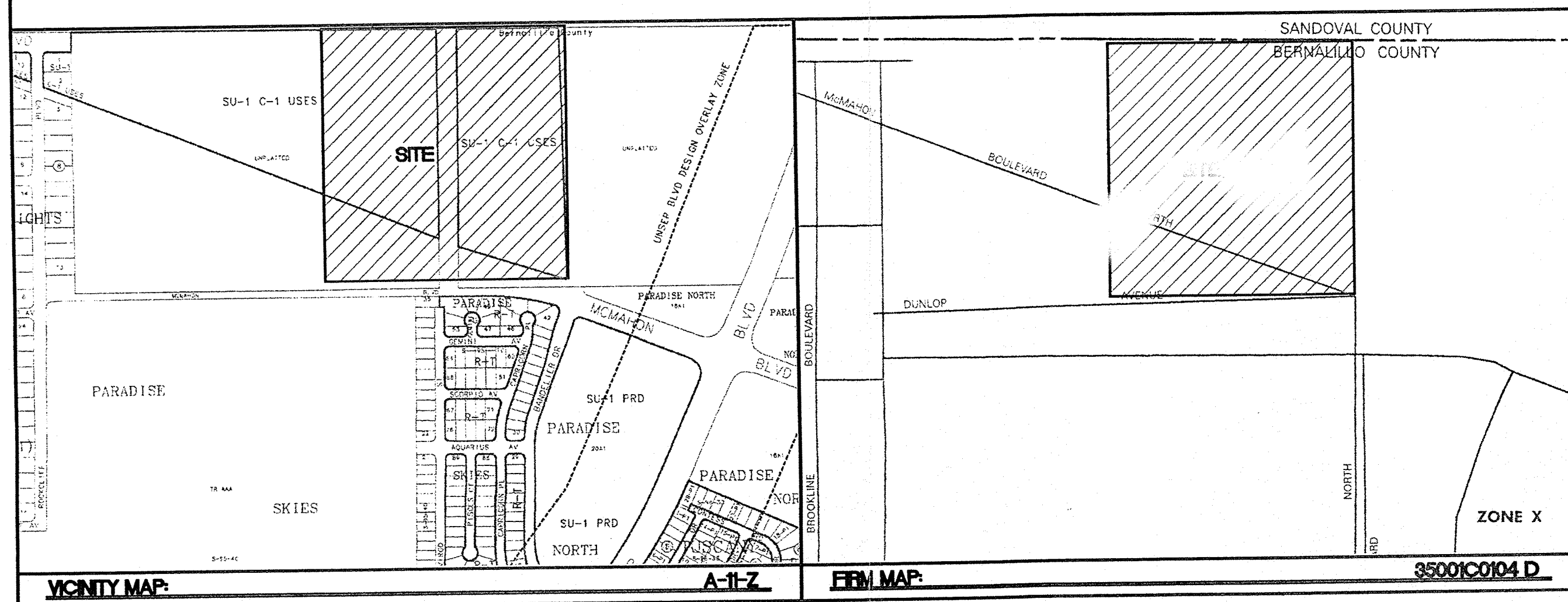
SCALE: 1"=50'

ENGINEER'S SEAL RONALD R. BOHANNAN P.E. #7868	LOS SUENOS GRADING AND DRAINAGE PLAN SHEET 'B' TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505) 858-3100	DRAWN BY MP DATE 05-23-2001 9972GR-A.DWG SHEET # 6 OF 37 JOB # 990072
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GENERAL NOTES:

1. ALL SPOT ELEVATIONS ARE FLOWLINE.
2. 18" MAX. RETAINAGE ON ALL PERIMETER WALLS.
3. ALL RETAINING WALLS SHALL BE BUILT PER DETAIL ON GRADING SHEET B, UNLESS OTHERWISE NOTED.
4. RETAINING WALLS AT WEST PROPERTY LINE SHALL BE BUILT PER DETAIL ON THIS SHEET.



LEGEND

- EXISTING CURB & GUTTER
- FUTURE CURB & GUTTER
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED LOT LINE
- BUILDING SETBACK
- PROPOSED MOUNTABLE CURB AND GUTTER
- PROPOSED STANDARD CURB AND GUTTER
- RETAINING WALL
- PERIMETER WALL

ROUGH GRADING APPROVAL

	LOS SUENOS		DRAWN BY MP
	GRADING AND DRAINAGE PLAN SHEET 'A'		DATE 05-23-2001
	TIERRA WEST, LLC 8500 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100		9972GR-A.DWG
	RONALD R. BOHANNAN P.E. #7868		SHEET # 5 OF 37 JOB # 990072