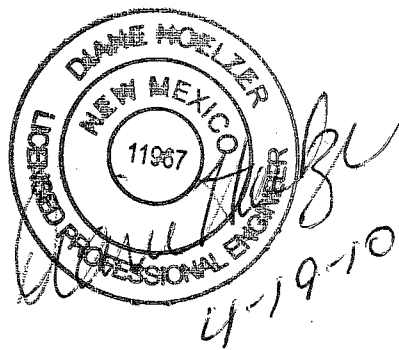


Supplemental Drainage Information

FOR

**Ceja Vista Unit 1, 2, 3
(DRB 1004428)**



**Mark Goodwin & Associates, PA
April 2010
DLH**

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CALCULATIONS

POCKET 1: REVISED GRADING AND DRAINAGE PLAN (2 sheets)

I. REVISED PROJECT DESCRIPTION

The original grading and drainage plan (engineers stamp date 1-22-07) and drainage report was approved by the City Hydrology in a letter dated January 23, 2007. The original preliminary plat and infrastructure list were approved 1-24-07. Construction plans for all three phases were completed and signed off at DRC with the exception of the DRC Chair and the City Engineer. The project has been on hold since then due to the downturn in the economy.

The project is moving forward again, and Unit 3 is now being phased into 5 units to be known as 3A, 3B, 3C, 3D and 3E. An amended preliminary plan, amended infrastructure list and amended grading plan has been recently submitted to the DRB for approval. There have been a couple of changes to the original plan that are discussed and being revised in this report

II. DRAINAGE DESIGN CRITERIA

The design criteria used in this report was in accordance with Section 22.2 Hydrology of the Development Process Manual, Volume 2, Design Criteria, January 1993 edition. Land treatment values were determined using "Table A-5 Percent Treatment D" in the DPM. AHYMO printouts are provided in Appendix A. The temporary retention pond has been sized for the 100 year-10 day storm event.

III. REVISIONS TO THE DRAINAGE PLAN

The overall grading and drainage concept and plan remains unchanged for all three units. The primary revisions in this supplemental report are for Unit 3 only. Unit 3 is now being phased into 5 units. Unit 3A and 3B will be rough graded together. Temporary interim ponds have been designed and sized as shown in the revised grading and drainage plan. The hydrology for all three units is summarized in Table 1 in the report. The AHYMO input and summary files are shown in the appendix A.

The temporary retention pond that was located in the southeast corner of the Unit 3 project site has been relocated to the southwest corner of the Commercial site in Tract G. All design calculations for the pond are in appendix B. The temporary storm drain connection in Unit 3 has been revised accordingly.



SEE RIO BRAVO SECTOR PLAN
FOR ZONING

WESTLAND SOUTH

UNITS
3A, 3B, 3C
3D, 3E

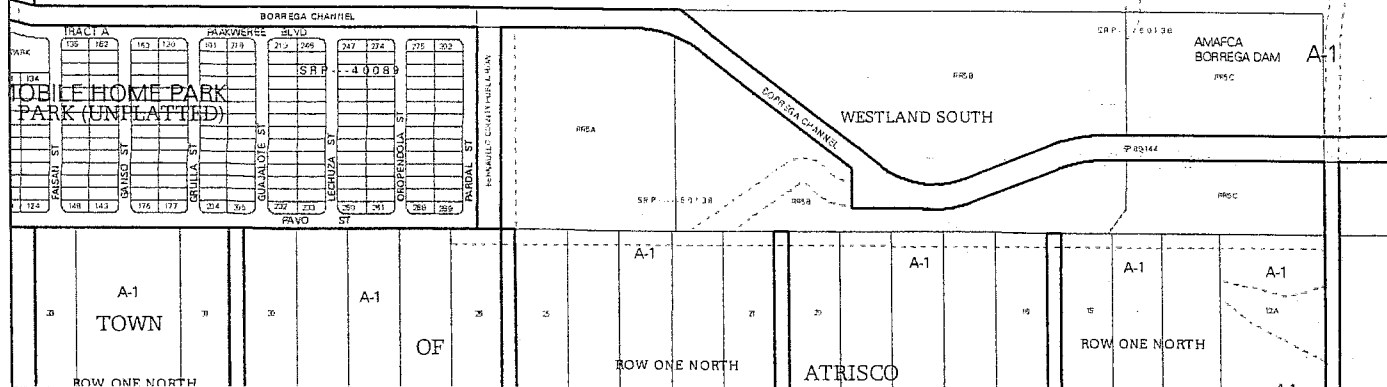
A-1

UNIT 2

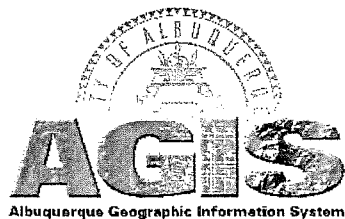
UNIT 1

CEJA VISTA

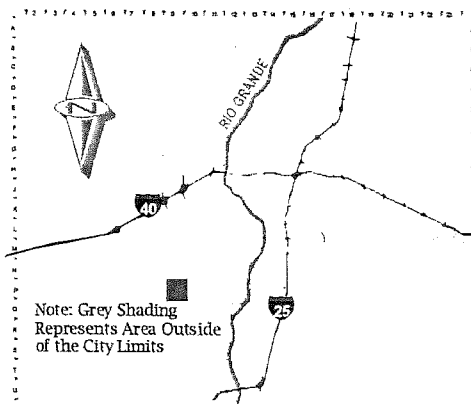
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For more current information and more details visit: <http://www.cabq.gov/gis>



Map amended through: **Aug 08, 2006**



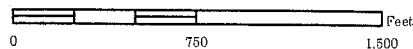
Note: Grey Shading
Represents Area Outside
of the City Limits

Zone Atlas Page:

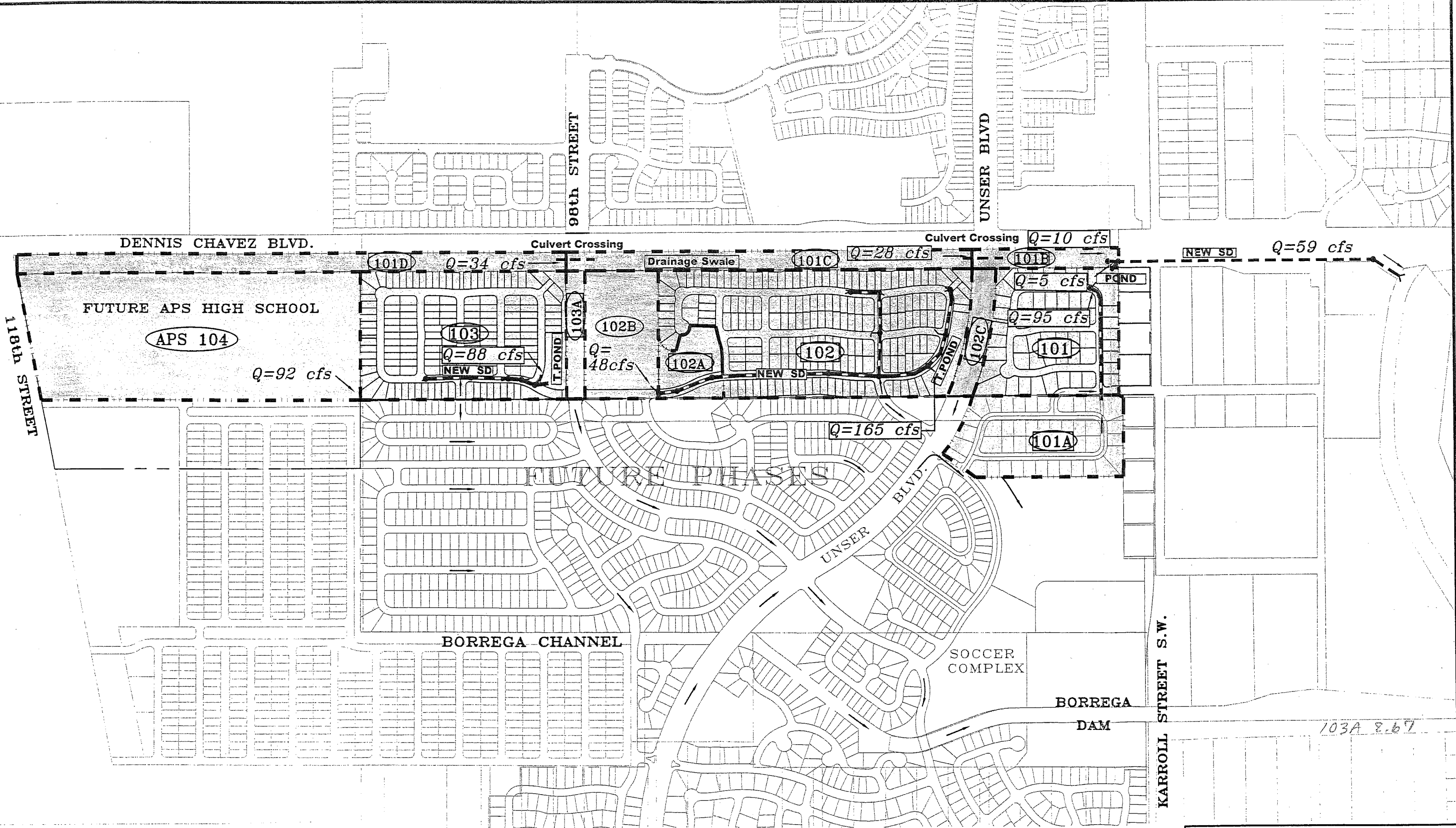
P-09-Z

Selected Symbols

- SECTOR PLANS**
-  * Design Overlay Zones
-  City Historic Zones
-  H-1 Buffer Zone
-  Petroglyph Mon.
-  Escarpment
-  2 Mile Airport Zone
-  Airport Noise Contours
-  Wall Overlay Zone



F
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bitsV
DBM
/DLI
10/1
3 12:
PM, I



SCALE: 1" = 600'

- LEGEND**
- (103) PROPOSED BASIN ID
 - - - PROPOSED BASIN BOUNDARY

CEJA VISTA SUBDIVISION
DEVELOPED CONDITIONS
DRAINAGE BASIN MAP

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

INFRASTRUCTURE LIST

Date Submitted: 4/19/2010
Date Site Plan Approved:
Date Preliminary Plat Approved:
Date Preliminary Plat Expires:
DRB Project No.: 1004428
DRB Application No.:

TO SUBDIVISION IMPROVEMENTS AGREEMENT
DEVELOPMENT REVIEW BOARD (D.R.B.) REQUIRED INFRASTRUCTURE LIST
Ceja Vista Units 1, 2, 3A, 3B, 3C, 3D, 3E
PROPOSED NAME OF PLAT AND/OR SITE DEVELOPMENT PLAN
Town of Atrisco Grant Township 9 North, Range 2 East, NMPM, Tracts RR-3-A, RR-3-B, RR-3-C, RR-3-D & RR-3-E, Westland South

EXISTING LEGAL DESCRIPTION PRIOR TO PLATTING ACTION

Following is a summary of PUBLIC/PRIVATE infrastructure required to be constructed or financially guaranteed for the above development. This listing is not necessarily a complete listing. During the SIA process and/or in the review of the construction drawings, if the DRC Chair determines that appurtenant items and/or unforeseen items have not been included in the infrastructure listing, the DRC Chair may include those items in the listing and related financial guarantee. Likewise, if the DRC Chair determines that appurtenant or non-essential items can be deleted from the listing, those items may be deleted as well as the related portions of the financial guarantees. All such revisions require approval by the DRC Chair, the User Department and agent/owner. If such approvals are obtained, these revisions to the listing will be incorporated administratively. In addition, any unforeseen items which arise during construction which are necessary to complete the project and which normally are the Subdivider's responsibility will be required as a condition of project acceptance and close out by the City.

Financially Guaranteed DRC #	Constructed Under DRC #	Size	Type of Improvement	Location	From	To	Construction Certification		
							Inspector	Private P.E.	City Cnst Engineer
		26' FF	Res. Pvmt	Pita Verde Rd.	Corylus Dr.	Lunaria Dr.	/	/	/
		4' (*)	C & G (Both Sides)						
		26' FF	4' Sidewalk (Both Sides)	Campanula Rd.	Corylus Dr.	Lunaria Dr.	/	/	/
		26' FF	Res. Pvmt						
		4' (*)	C & G (Both Sides)						
		26' FF	Sidewalk (Both Sides)	Ceja Vista Rd.	Corylus Dr.	Lunaria Dr.	/	/	/
		26' FF	Res. Pvmt						
		4' (*)	C & G (Both Sides)						
		26' FF	Sidewalk (Both Sides)	Corylus Dr.	Ceja Vista Rd.	Pita Verde Rd.	/	/	/
		26' FF	Res. Pvmt						
		4'	C & G (Both Sides)						
		4' (*)	Sidewalk (East side)						
		26' FF	Sidewalk (West Side)	Lunaria Dr.	Meade Ave.	Pita Verde Rd.	/	/	/
		26' FF	Res. Pvmt						
		4'	C & G (Both Sides)						
		4' (*)	Sidewalk (West side)						
		28' FF	Sidewalk (East Side)	Tract S Meade Ave.	Lunaria Dr.	S. Property Line	/	/	/
		28' FF	Res. Pvmt						
		6'	C & G (Both Sides)						
		28'-32' FF	Sidewalk (North Side)	Meade Ave.	Lunaria Dr.	E. to Exist Pvmt.	/	/	/
		30' FF	Res. Pvmt						
		6'	C & G (Both Sides)						
		30' FF	Sidewalk (N. Side)	E. Half of Unser Blvd.	Dennis Chavez	South PL	/	/	/
		10'	Art. Pvmt						
		6'	C & G (East Side Only), Median Curb						
		6'	Asphalt Trail	Tract E	Unser Blvd.	Corylus Dr.	/	/	/
		6'	Asphalt Trail	Tract S	Pita Verde Rd.	Dennis Chavez	/	/	/
		6'	Asphalt Trail						

The items listed below are on the CCIP and approved for Impact Fee credits. Signatures from the Impact Fee Administrator and the City User Department is required prior to DRB approval of this listing. The items listed below are subject to the standard SIA requirements.

Financially Guaranteed DRC #	Constructed Under DRC #	Size	Type of Improvement	Location	From	To	Construction Certification		
							Inspector	Private P.E.	City Cnst Engineer
							/	/	/
							/	/	/

Approval of Creditable Items:	
Impact Fee Administrator Signature	Date
City User Dept. Signature	Date

NOTES

If the site is located in a floodplain, then the financial guarantee will not be released until the LOMR is approved by FEMA.
 Street lights per City requirements.

(*) Sidewalks are deferred in these areas. All others are built with Unit construction plans.

1 Landscaping Maintenance Agreement for landscaping in the public right-of-way

2 Walls & landscaping certification from registered engineer and/or registered landscape architect required prior to release of financial guarantees.

3 Development Agreement w/ ABCWUA including Don Reservoir as a condition of Final Plans

4 Engineers certification of the grading plan required for release of SIA.

AGENT / OWNER	DEVELOPMENT REVIEW BOARD MEMBER APPROVALS
---------------	---

Diane Hoelzer, PE
 NAME (print)

PARKS & GENERAL RECREATION - date

Mark Goodwin & Associates, PA

FIRM

TRANSPORTATION DEVELOPMENT - date

AMAFCA - date

Mark Goodwin
 SIGNATURE - date

UTILITY DEVELOPMENT - date

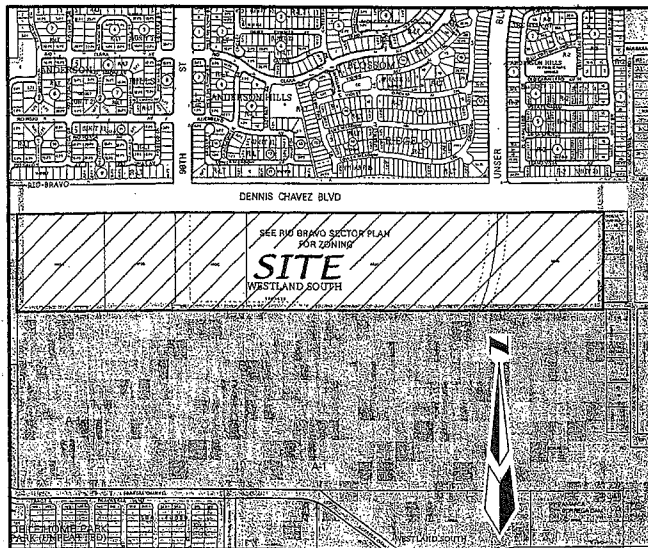
- date

CITY ENGINEER - date

- date

DESIGN REVIEW COMMITTEE REVISIONS				
-----------------------------------	--	--	--	--

REVISION	DATE	DRC CHAIR	USER DEPARTMENT	AGENT / OWNER



VICINITY MAP 1"=750'

ZONE ATLAS MAP P-9-Z

LEGAL DESCRIPTION

A tract of land within the Town of Atrisco Grant, projected Section 8, Township 9 North, Range 2 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico being all of TRACTS RR-3-A, RR-3-B, RR-3-C, RR-3-D and RR-3-E, WESTLAND SOUTH as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico, on November 14, 2005 Bk. 2005C, Pg. 365 and containing 98.9070 acres more or less

PURPOSE OF PLAT

- SUBDIVIDE TRACTS RR-3A THRU RR-3-E INTO 373 RESIDENTIAL LOTS AND 19 TRACTS.
- DEDICATE RIGHT-OF-WAY AS SHOWN.
- GRANT NEW EASEMENTS AS SHOWN.
- VACATE EASEMENTS AS SHOWN.

AMENDED PRELIMINARY PLAT FOR CEJA VISTA SUBDIVISION UNITS 1, 2, 3A, 3B, 3C, 3D AND 3E WITHIN THE TOWN OF ATRISCO GRANT PROJECTED SECTION 9 TOWNSHIP 9 NORTH, RANGE 2 EAST, NMPM CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO April, 2010

SUBDIVISION DATA

GROSS ACREAGE	98.9070
ZONE ATLAS NO.	P-9-Z
NO. OF LOTS CREATED	373 LOTS
NO. OF TRACTS CREATED	19 TRACTS
RIGHT-OF-WAY AREA DEDICATED TO CITY	22.3278 AC
DATE OF SURVEY	NOVEMBER, 2004
NO. OF LOTS PER UNIT 1/UNIT 2/UNIT	53/172
NO. OF LOTS PER UNIT 3A/UNIT 3B/UNIT 3C/UNIT 3D/UNIT 3E	23/31/28/34/32

NOTES

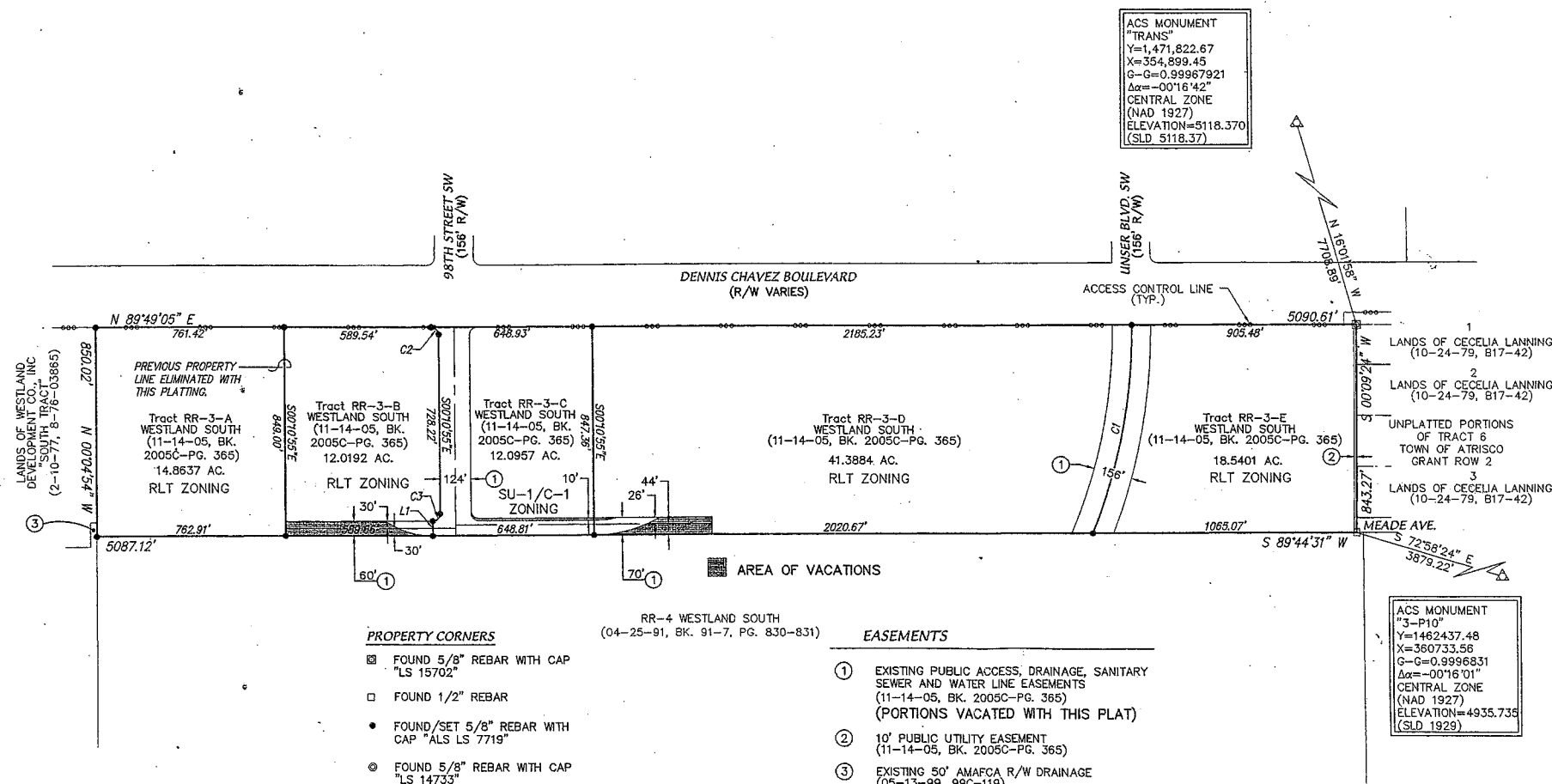
- Bearings are New Mexico State Plane Grid Bearings (Central Zone).
- Distances are ground distances.
- Bearings and Distances in Parenthesis are record.
- Basis of boundary are the following plats and documents of record entitled:
"BULK LAND PLAT WESTLAND SOUTH, TRACTS RR-3-A, THROUGH RR-3-E", (11-14-05, 2005C-365)
"LANDS OF CECELIA LANNING", (10-24-79, B17-42)
"LAND OF DAMACIO APODACA", (11-08-74, A5-116)
"LAND OF DAMACIO APODACA", (01-08-79, A7-6) QUITCLAIM DEED (01-08-79, A7-6)
"WESTLAND, TRACT RR-5", (03-04-93, 93C-68)
"LANDS OF WESTLAND DEV. CO. INC, SOUTH TRACT", (02-10-77, CASE 8-76-03885)
"PAKKREWE", (01-29-01, 01C-38)
"RIGHT OF WAY MAP (SD-4008 (206))", (05-09-94) Records of Bernalillo County, New Mexico.
- Date of Survey: November, 2004.
- Title Report: Fidelity National Title Insurance Company Commitment No.04-1048776-B-VG (Effective Date: October 7, 2004.)
- Address of Property: None provided.
- This property lies within Zone (X) as shown on Panel 338 of 825, Flood Insurance Rate Map, City of Albuquerque, Bernalillo County New Mexico, dated October 13, 2005.
- These tracts are affected by a RIGHT-OF-WAY EASEMENT to American Telephone and Telegraph Company, filed May 17, 1930 recorded in Book 112, Page 290, said easement amended by a MODIFICATION EASEMENT, filed February 13, 1973 recorded in Book Misc. 298, Page 635, said easement assigned to the Mountain States Telephone and Telegraph Company by ASSIGNMENT filed December 19, 1977, recorded in Book Misc. 575, Page 928 all being records of Bernalillo County, New Mexico.

APS NOTE:

- THE PROPERTY ON THIS PLAT IS SUBJECT TO A PRE-DEVELOPMENT FACILITIES FEE AGREEMENT WITH THE ALBUQUERQUE PUBLIC SCHOOLS, RECORDED AT [REDACTED]

LINE TABLE					
LINE	BEARING	LENGTH			
L1	N00°15'28"W	60.00			

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH-BEARING=	CH-DIST=
C1	865.88	2250.00	22°02'58"	438.37	N10°50'34"E	860.55
C2	47.12	30.00	90°00'00"	30.00	N45°10'55"W	42.43
C3	47.08	30.00	89°55'26"	29.96	N44°46'48"E	42.40



NOTES

- UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN THUS • SHALL BE MARKED BY A #5 REBAR W/CAP STAMPED PS#7719
- ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS, AND STREET INTERSECTIONS AND SHOWN THUS ▲, WILL BE MARKED BY A FOUR INCH (4") ALUMINUM CAP STAMPED:
"CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION"
"DO NOT DISTURB" PS#7719"
- BOUNDARY SHALL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- BASIS OF BEARING SHALL BE NEW MEXICO STATE PLANE GRID BEARINGS.
- ALL DISTANCES SHALL BE GROUND DISTANCES.
- MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.
- ALL PROPOSED LOTS CONTAINED WITHIN THIS SUBDIVISION ARE A MINIMUM OF 40 FEET WIDE AND A MINIMUM OF 4000 SF IN SIZE.

APPROVED

[Signature] 4-15-10
City Surveyor, City of Albuquerque, N.M. Date

Albuquerque Rio Bravo Partners LLC
[Signature] 4/14/10
William Allen, Authorized Agent Date

OWNERS

ALBUQUERQUE RIO BRAVO PARTNERS LLC
6330 RIVERSIDE PLAZA LANE N.W.
STE 220
ALBUQUERQUE, N.M. 87102
(505) 898-5051

ENGINEERS

D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

SITE BENCHMARK

ACS MONUMENT
"3-P10"
ELEVATION=4935.735
(SLD 1929)

SURVEYOR

ALDRICH LAND SURVEY
P.O. BOX 30701
ALBUQUERQUE, N.M. 87190-0701
(505) 884-1990

NOTES:

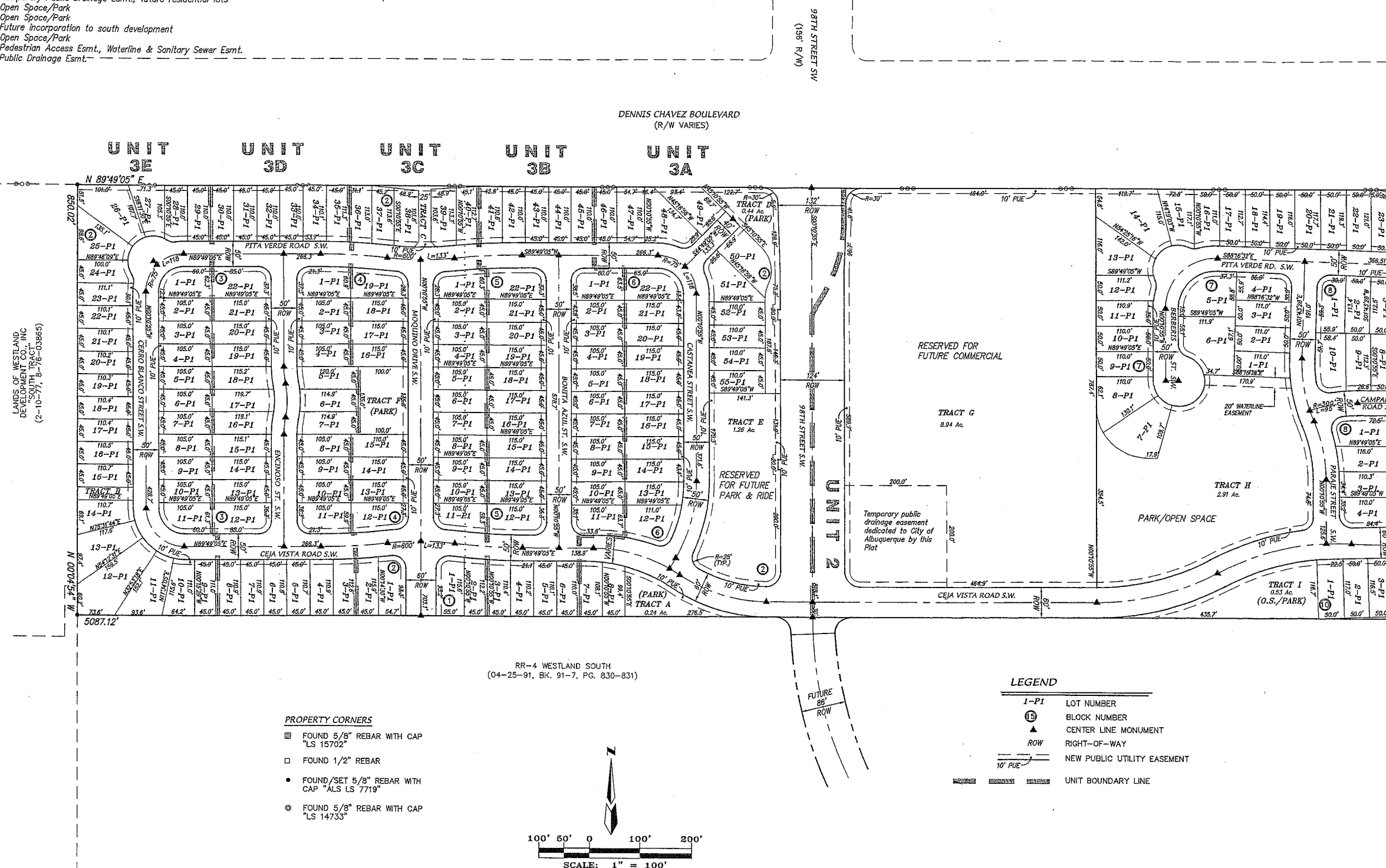
- The following Tracts have been created for the following purposes:

Tract A- Open Space/Park
 Tract B- Pedestrian Access Esmt., Waterline & Drainage Esmt.
 Tract C- Pedestrian Access Esmt.
 Tract D- Open Space, Waterline & Sanitary Sewer Esmt.
 Tract E- Future C.O.A. "Park and Ride"
 Tract F- Open Space/Park
 Tract G- Future commercial development
 Tract H- Open Space/Park
 Tract I- Open Space/Park
 Tract J- Pedestrian Access Esmt., Waterline esmt.
 Tract K- Pedestrian Access Esmt.
 Tract L- Open Space/Park
 Tract M- Temporary Public Drainage Esmt., future residential lots
 Tract N- Open Space/Park
 Tract O- Open Space/Park
 Tract P- Future incorporation to south development
 Tract Q- Open Space/Park
 Tract R- Pedestrian Access Esmt., Waterline & Sanitary Sewer Esmt.
 Tract S- Public Drainage Esmt.

- All waterline and sanitary sewer easements are granted to A.B.C.W.U.A.
- All drainage easements and pedestrian access easements are granted to the City of Albuquerque
- Tracts A, B, C, D, F, H, I, J, K, L, N, O, Q, R are owned by and to be maintained by the Ceja Vista Homeowners Association.
- Tracts E, G, M and P are to be owned and maintained by the subdivider until such a time as the property has been conveyed or developed for the future intended purpose.
- Tract S is to be owned and maintained by the City of Albuquerque for a permanent detention pond.

AMENDED PRELIMINARY PLAT FOR
CEJA VISTA SUBDIVISION
 UNITS 1, 2, 3A, 3B, 3C, 3D AND 3E
 WITHIN THE
 TOWN OF ATRISCO GRANT
 PROJECTED SECTION 9
 TOWNSHIP 9 NORTH, RANGE 2 EAST, NMPM
 CITY OF ALBUQUERQUE
 BERNALILLO COUNTY, NEW MEXICO
 April, 2010

SEE SHEET 3 OF 3 FOR CONTINUATION



NOTES:

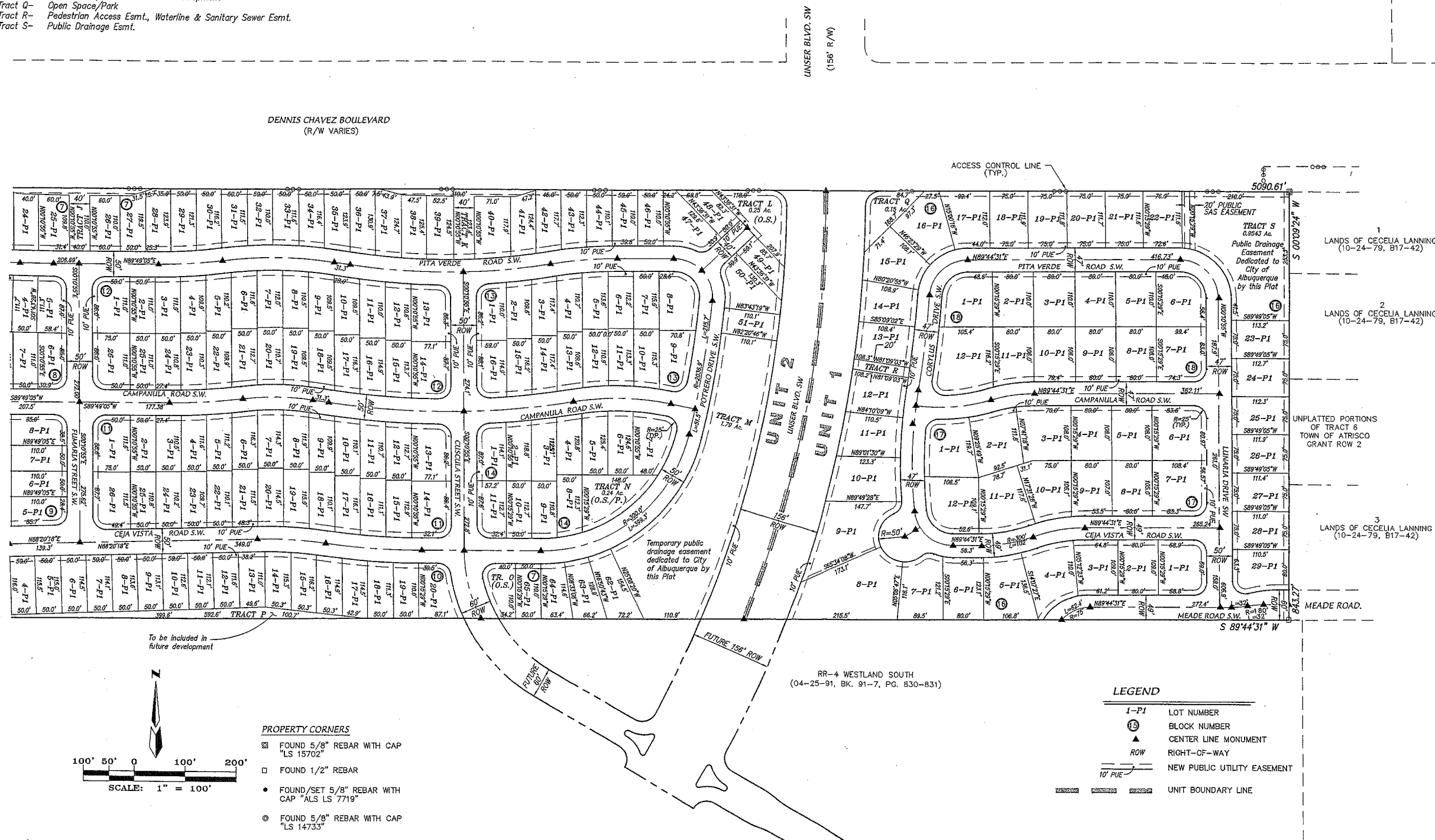
1. The following Tracts have been created for the following purposes:

- Tract A- Open Space/Park
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- Tract C- Pedestrian Access Esmt.
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- Tract O- Open Space/Park
- Tract P- Future incorporation to south development
- Tract Q- Open Space/Park
- Tract R- Pedestrian Access Esmt., Waterline & Sanitary Sewer Esmt.
- Tract S- Public Drainage Esmt.

- 2. All waterline and sanitary sewer easements are granted to A.B.C.W.U.A.
- 3. All drainage easements and pedestrian access easements are granted to the City of Albuquerque
- 4. Tracts A, B, C, D, F, H, I, J, K, L, N, O, Q, R are owned by and to be maintained by the Ceja Vista homeowners Association.
- 5. Tracts E, G, M and P are to be owned and maintained by the subdivider until such a time as the property has been conveyed or developed for the future intended purpose.
- 6. Tract S is to be owned and maintained by the City of Albuquerque for a permanent detention pond.

AMENDED PRELIMINARY PLAT FOR
CEJA VISTA SUBDIVISION
UNITS 1, 2, 3A, 3B, 3C, 3D AND 3E
WITHIN THE
TOWN OF ATRISCO GRANT
PROJECTED SECTION 9
TOWNSHIP 9 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
April, 2007

SEE SHEET 2 OF 3 FOR CONTINUATION



CEJA VISTA SUBDIVISION

TABLE 1: SUMMARY OF HYDROLOGIC PARAMETERS

SUB-BASIN ID	DESCRIPTION	AREA (sq.mi)	AREA (acres)	Land Treat A	Land Treat B	Land Treat C	Land Treat D	Q(100) cfs	RUNOFF VOL. (AF)
101	SUBDIVISION N.	0.02654	16.9851	0	33.5	33.5	33.0	52.6	1.707
101A	SUBDIVISION S.	0.02141	13.703	0	33.5	33.5	33.0	42.5	1.377
101B	DENNIS CHAVEZ E.	0.00442	2.8314	0	25	25	50	10.2	0.351
101C	DENNIS CHAVEZ N.	0.01224	7.8338	0	25	25	50	28.3	0.972
101D	DENNIS CHAVEZ W.	0.01651	10.5695	0	25	25	50	34.7	1.311
102	SUBDIVISION	0.05734	36.6998	0	25	26	49	124.7	4.263
102A	OPEN SPACE	0.00455	2.9143	0	95	0	5	6.4	0.179
102B	COMMERCIAL TRACT G	0.01499	9.5907	0	10	10	80	38.1	1.402
102C	UNSER BLVD. R/W	0.00485	3.1011	0	20	20	60	11.2	0.393
103	SUBDIVISION	0.04136	26.4687	0	21.5	21.5	57	93.7	3.277
103A	98 TH ST. R/W	0.00341	2.18054	0	10	10	80	8.7	0.319
103B	TRACT E (TEMP)	0.00197	1.26	100	0	0	0	1.7	0.047

APPENDIX A

HYDROLOGY

RUN DATE (MON/DAY/YR) =04/20/2010
USER NO.= AHYMO-I-9702dGoodwinM-AH

RUN DATE (MON/DAY/YR) =04/20/2010
USER NO. = AHYMO-I-9702dGoodwinM-AH

HYDROGRAPH IDENTIFICATION		FROM TO ID ID NO. NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1
START									
RAINFALL TYPE= 1									
101.SUB	-	2	.02654	52.64	1.707	1.20598	1.500	3.099	RAIN6= 2.220
101.SUB	-	1	.02141	42.47	1.377	1.20598	1.500	3.099	PER IMP= 33.00
101.10	1& 2	3	.04795	95.10	3.084	1.20597	1.500	3.099	PER IMP= 33.00
POND.OUT	3	20	.04795	4.78	2.944	1.15131	2.250	.156	AC-FT= 2.611
SEDIMENT BULK									
101.D	-	1	.01651	34.69	1.311	1.48831	1.500	3.283	PK BF= 1.06
SEDIMENT BULK									
101.C	-	2	.01224	28.34	.972	1.48831	1.500	3.618	PER IMP= 50.00
101.20	1& 2	3	.02875	63.04	2.282	1.48829	1.500	3.426	PK BF= 1.06
SEDIMENT BULK									
101.B	-	1	.00442	10.24	.351	1.48831	1.500	3.622	PER IMP= 50.00
SEDIMENT BULK									
101.30	1& 3	2	.03317	73.28	2.633	1.48828	1.500	3.452	PK BF= 1.00
101.40	2&20	30	.08112	74.71	5.577	1.28910	1.500	1.439	
SEDIMENT BULK									
102.00	-	1	.05734	124.68	4.263	1.39398	1.500	3.397	PER IMP= 49.00
SEDIMENT BULK									
102.A	-	1	.00455	6.39	.179	.73858	1.500	2.195	PER IMP= 5.00
SEDIMENT BULK									
102.B	-	1	.01499	38.05	1.402	1.75363	1.500	3.966	PER IMP= 80.00
SEDIMENT BULK									
102.C	-	1	.00485	11.18	.393	1.52059	1.500	3.601	PER IMP= 60.00
SEDIMENT BULK									
103.TOT	-	1	.04136	93.74	3.277	1.48563	1.500	3.541	PER IMP= 57.00
SEDIMENT BULK									
103.A	-	1	.00341	8.67	.319	1.75363	1.500	3.971	PER IMP= 80.00
SEDIMENT BULK									
103.B	-	1	.00197	1.69	.047	.44507	1.500	1.339	PER IMP= 1.00
FINISH									

```

TIME=0.0
CEJA VISTA SUBDIVISION 100-YEAR 6-HOUR STORM EVENT
FILE: CEJA.DAT APRIL 20 2010 BY:DLH
ZONE ATLAS: P-9
RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=1.87 IN RAIN SIX=2.22 IN
RAIN DAY=2.70 IN DT=0.05 HR

*****
*****
***** CEJA VISTA UNIT 1 *****
***** SUBASIN 101 *****
***** 16.9851 ACRES *****
*****
COMPUTE NM HYD ID=2 HYD NO=101.SUB AREA=0.02654 SQ MI
PER A=0 PER B=33.5 PER C=33.5 PER D=33
TP=0.13 HR MASS RAINFALL=-1
ID=2 CODE=1
PRINT HYD *****
***** SUBASIN 101A *****
***** 13.7030 ACRES *****
*****
COMPUTE NM HYD ID=1 HYD NO=101.SUB AREA=0.02141 SQ MI
PER A=0 PER B=33.5 PER C=33.5 PER D=33
TP=0.13 HR MASS RAINFALL=-1
ID=1 CODE=1
ADD HYD ID=3 HYD=101.1 I=1 II=2
PRINT HYD ID=3 CODE=1
*****
ROUTE RESERVOIR ID=20 HYD NO=POND.OUT INFLOW=3 CODE=10
OUTFLOW(CFS) STORAGE(AF) ELEV(FT)
0.00 0.00 90.00
0.50 0.46 91.00
1.50 0.96 92.00
2.50 1.51 93.00
3.75 2.10 94.00
4.75 2.59 94.75
5.00 2.75 95.00
50.00 3.09 95.50
PRINT HYD ID=20 CODE=10
*****
***** SUBASIN 101D (WEST DENNIS CHAVEZ) *****
***** 10.5695 ACRES *****
*****
*****
SEDIMENT BULK CODE=1 BULK FACTOR=1.06
COMPUTE NM HYD ID=1 HYD NO=101.D AREA=0.01651 SQ MI
PER A=0 PER B=25 PER C=25 PER D=50
TP=0.1527 HR MASS RAINFALL=-1
ID=1 CODE=1
PRINT HYD *****
*****

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***** SUBBASIN 101C (MID DENNIS CHAVEZ)
***** 7.8338 ACRES
*****
*****
*****
SEDIMENT BULK      CODE=1      BULK FACTOR=1.06
COMPUTE NM HYD      ID=2 HYD NO=101.C AREA=0.01224 SQ MI
                     PER A=0 PER B=25 PER C=25 PER D=50
                     TP=0.13 HR MASS RAINFALL=-1
                     ID=2 CODE=1
PRINT HYD
*****
ADD HYD             ID=3 HYD=101.2 I=1 II=2
PRINT HYD           ID=3 CODE=1
*****
***** SUBBASIN 101B (EAST DENNIS CHAVEZ)
***** 2.8314 ACRES
*****
*****
*****
SEDIMENT BULK      CODE=1      BULK FACTOR=1.06
COMPUTE NM HYD      ID=1 HYD NO=101.B AREA=0.00442 SQ MI
                     PER A=0 PER B=25 PER C=25 PER D=50
                     TP=0.13 HR MASS RAINFALL=-1
                     ID=1 CODE=1
PRINT HYD
*****
*****
SEDIMENT BULK      CODE=1      BULK FACTOR=1.00
ADD HYD            ID=2 HYD=101.3 I=1 II=3
PRINT HYD          ID=2 CODE=1
*****
ADD HYD            ID=30 HYD=101.4 I=2 II=20
PRINT HYD          ID=30 CODE=1
*****
***** SUBBASIN 102 - UNIT 2
***** 36.6998 ACRES
*****
*****
*****
SEDIMENT BULK      CODE=1      BULK FACTOR=1.00
COMPUTE NM HYD      ID=1 HYD NO=102.0 AREA=0.05734 SQ MI
                     PER A=0 PER B=25 PER C=26 PER D=49
                     TP=0.13 HR MASS RAINFALL=-1
                     ID=1 CODE=1
PRINT HYD
*****
***** SUBBASIN 102A - PARK AND OPEN SPACE
***** 2.9143 ACRES
*****
*****
*****
SEDIMENT BULK      CODE=1      BULK FACTOR=1.00
COMPUTE NM HYD      ID=1 HYD NO=102.A AREA=0.00455 SQ MI
                     PER A=0 PER B=95 PER C=0 PER D=5
                     TP=0.13 HR MASS RAINFALL=-1
                     ID=1 CODE=1
PRINT HYD
*****
***** SUBBASIN 102B COMMERCIAL
***** 9.5907 ACRES
*****
*****
*****

```

SEDIMENT BULK
COMPUTE NM HYD
CODE=1 BULK FACTOR=1.00
ID=1 HYD NO=102.B AREA=0.01499 SQ MI
PER A=0 PER B=10 PER C=10 PER D=80
TP=0.13 HR MASS RAINFALL=-1

PRINT HYD
ID=1 CODE=1

***** SUBASIN 102C (UNSER BLVD)
***** 3.1011 ACRES

SEDIMENT BULK
COMPUTE NM HYD
CODE=1 BULK FACTOR=1.00
ID=1 HYD NO=102.C AREA=0.00485 SQ MI
PER A=0 PER B=20 PER C=20 PER D=60
TP=0.13 HR MASS RAINFALL=-1

PRINT HYD
ID=1 CODE=1

***** SUBASIN 103
***** UNIT 3
***** 26.4687 ACRES
***** PER DLH

SEDIMENT BULK
COMPUTE NM HYD
CODE=1 BULK FACTOR=1.00
ID=1 HYD NO=103.TOT AREA=0.04136 SQ MI
PER A=0 PER B=21.5 PER C=21.5 PER D=57
TP=0.13 HR MASS RAINFALL=-1

PRINT HYD
ID=1 CODE=1

***** SUBASIN 103A
***** 98 TH STREET
***** 2.18054 ACRES

SEDIMENT BULK
COMPUTE NM HYD
CODE=1 BULK FACTOR=1.00
ID=1 HYD NO=103.A AREA=0.00341 SQ MI
PER A=0 PER B=10 PER C=10 PER D=80
TP=0.13 HR MASS RAINFALL=-1

PRINT HYD
ID=1 CODE=1

***** SUBASIN 103B
***** TRACT E
***** 1.26 ACRES

SEDIMENT BULK
COMPUTE NM HYD
CODE=1 BULK FACTOR=1.00
ID=1 HYD NO=103.B AREA=0.00197 SQ MI
PER A=100 PER B=0 PER C=0 PER D=0
TP=0.13 HR MASS RAINFALL=-1

PRINT HYD
FINISH
ID=1 CODE=1

```

START
**** TIME=0.0
**** CEJA VISTA SUBDIVISION 100-YEAR 6-HOUR STORM EVENT
**** FILE: CEJA.DAT APRIL 7 2010 BY:DLH
**** ZONE ATLAS: P-9
RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=1.97 IN RAIN SIX=2.22 IN
RAIN DAY=2.70 IN DT=0.05 HR
****
****
**** CEJA VISTA UNIT 3B,C,D,E
****
**** SUBASIN 100
**** 20.4352 ACRES
****
****
COMPUTE NM HYD ID=2 HYD NO=100.BCDE AREA=0.03193 SQ MI
PER A=90 PER B=10 PER C=0 PER D=0
TP=0.13 HR MASS RAINFALL=-1
PRINT HYD ID=2 CODE=1
****
**** CEJA VISTA UNIT 3C,D,E
****
**** SUBASIN 100
**** 15.6686 ACRES
****
****
COMPUTE NM HYD ID=2 HYD NO=100.CDE AREA=0.02448 SQ MI
PER A=90 PER B=10 PER C=0 PER D=0
TP=0.13 HR MASS RAINFALL=-1
PRINT HYD ID=2 CODE=1
****
**** CEJA VISTA UNIT 3D,E
****
**** SUBASIN 100
**** 10.5335 ACRES
****
****
COMPUTE NM HYD ID=2 HYD NO=100.DE AREA=0.01646 SQ MI
PER A=90 PER B=10 PER C=0 PER D=0
TP=0.13 HR MASS RAINFALL=-1
PRINT HYD ID=2 CODE=1
****
**** CEJA VISTA UNIT 3E
****
**** SUBASIN 100
**** 5.2238 ACRES
****
****
COMPUTE NM HYD ID=2 HYD NO=100.E AREA=0.00816 SQ MI
PER A=90 PER B=10 PER C=0 PER D=0
TP=0.13 HR MASS RAINFALL=-1
PRINT HYD ID=2 CODE=1
FINISH

```


APPENDIX B

POND DESIGN



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

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 828-2200 FAX 797-9539
e-mail: goodwinengrs@comcast.net

PROJECT Ceja Viste Unit 3
SUBJECT Pond Calculations
BY DLH DATE 4.13-10
CHECKED _____ DATE _____
SHEET _____ OF _____

Temporary Pond 1 - Commercial Site - Calculations.

AHYMO results for runoff volume:

$$\text{Volume}(100\text{yr}) = 3.277 \text{ AF Unit 3 (Developed)}$$

$$\text{Volume}(100\text{yr}) = 0.319 \text{ AF 98th st (Developed)}$$

$$\underline{3.596 \text{ AF}}$$

$$V_{10\text{DAY}} = V_{360} + A_D (P_{10\text{DAY}} - P_{360}) / 12 \quad P_{10\text{DAY}} = 10 - \left(\frac{24.9}{P_{24}^{1.4}} \right)$$

$$V_{10\text{DAY}} = 3.596 + (15.0872 + 1.7444) \frac{(3.8 - 2.22)}{12} \quad P_{10\text{DAY}} = 10 - \left(\frac{24.9}{2.7^{1.4}} \right)$$

$$V_{10} = 3.596 + (16.8316) \frac{(1.58)}{12} = 5.81216 \text{ AF} \quad P_{10\text{DAY}} = 3.80$$

$$V_{10} = 5.81216 \text{ AF} = 253,177 \text{ CF} \quad \text{DEVELOPED}$$

$$\text{Volume (required)} = \frac{33,820 \text{ CF (APS-POND-100yr)}}{286,998 \text{ CF (temp. pond 1)}}$$

$$@ (9' \text{ DEEP}) (31,888.67 \text{ SF})$$

Pond Design Dimensions = 206' x 206' Top

152' x 152' Bottom

9' deep, 3:1 side slopes

$$A_{\text{Top}} = 41,810 \text{ SF}$$

$$\text{Top Elev.} = 5077'$$

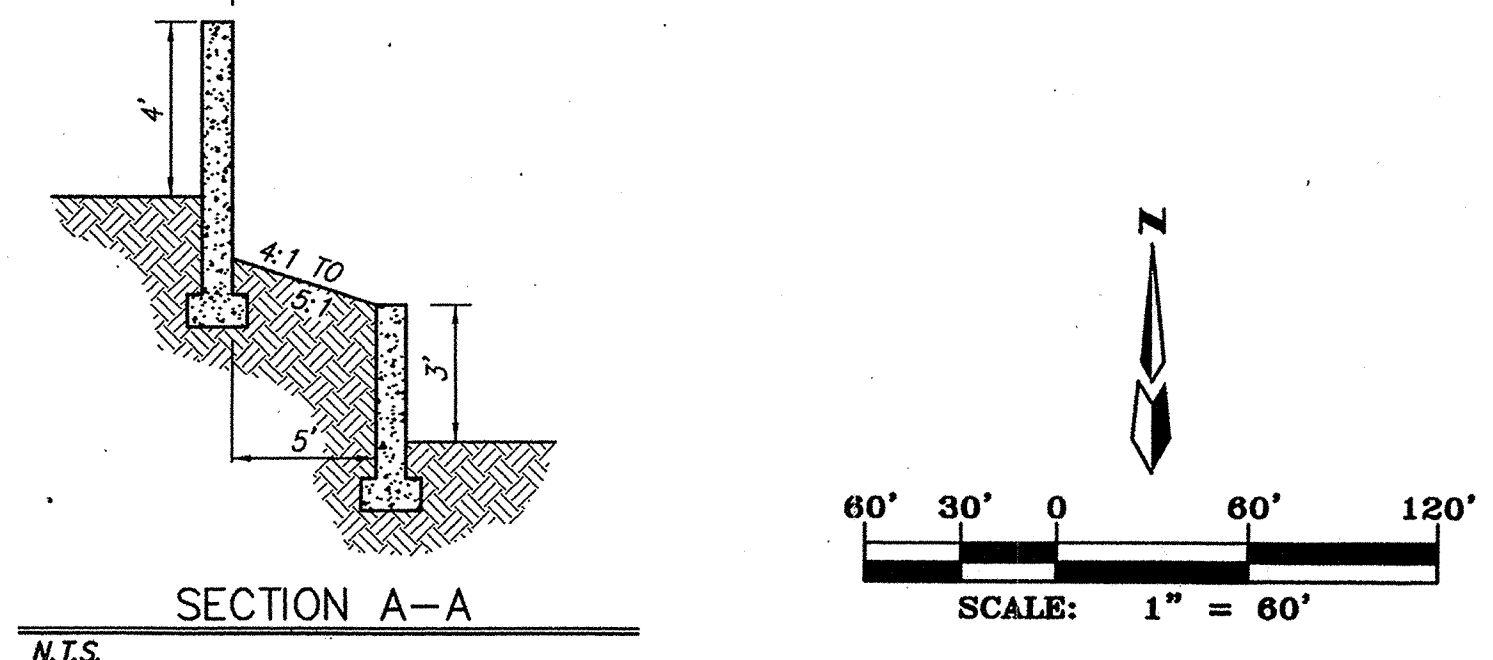
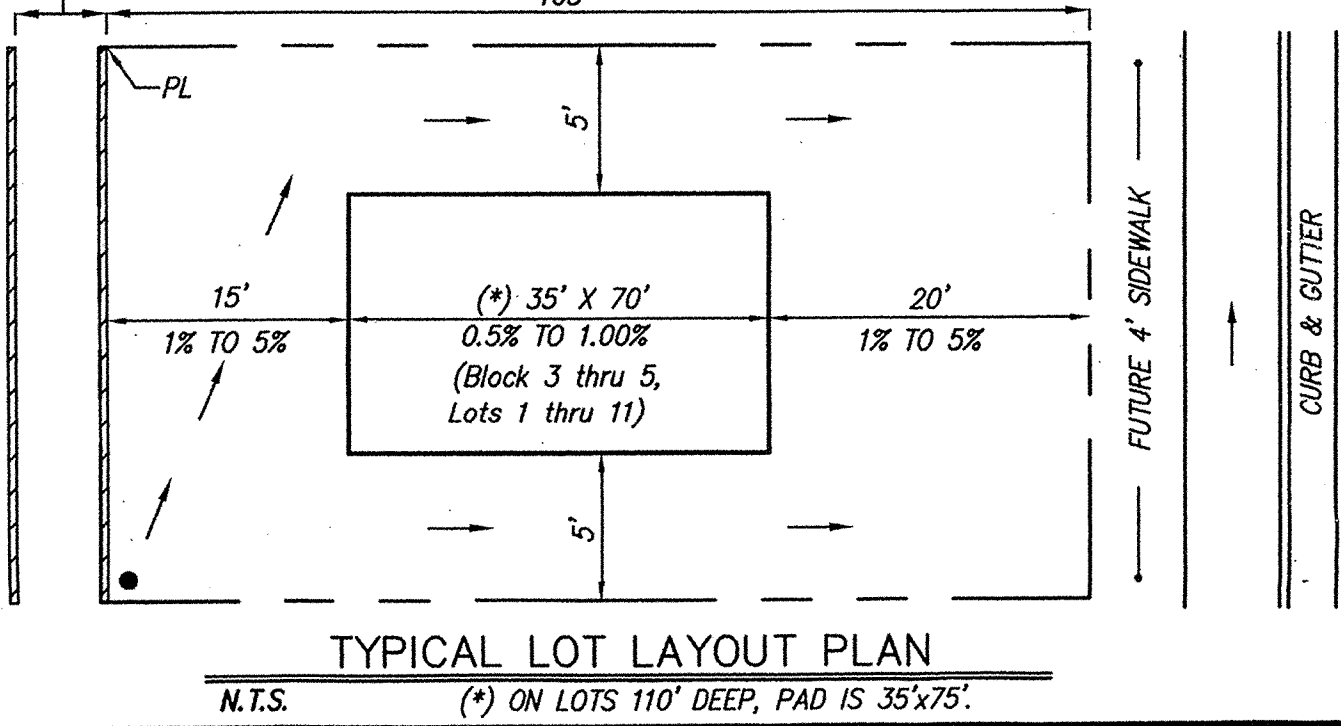
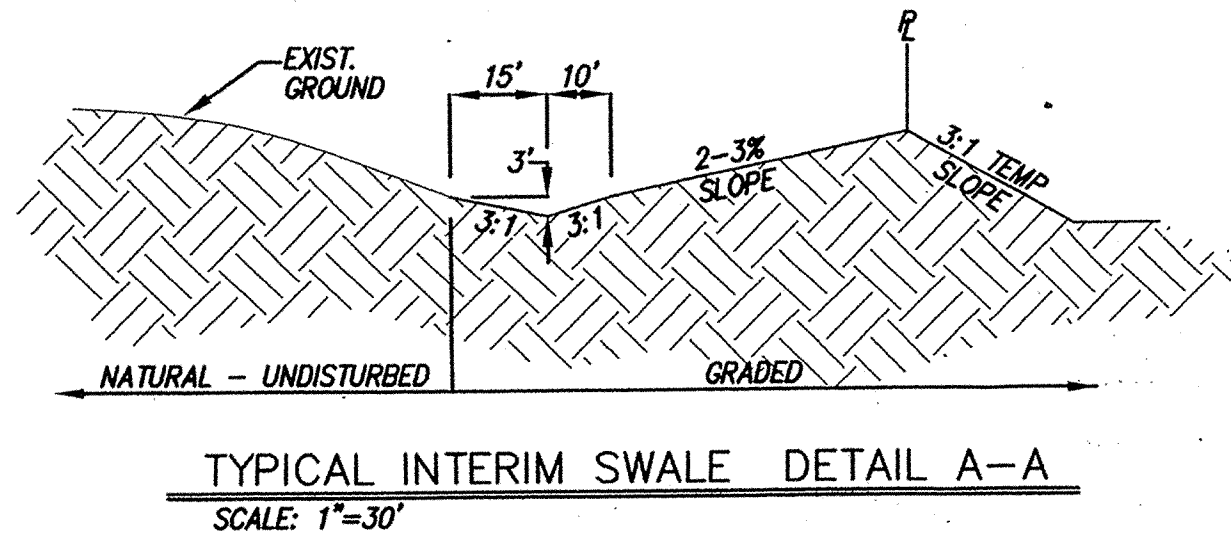
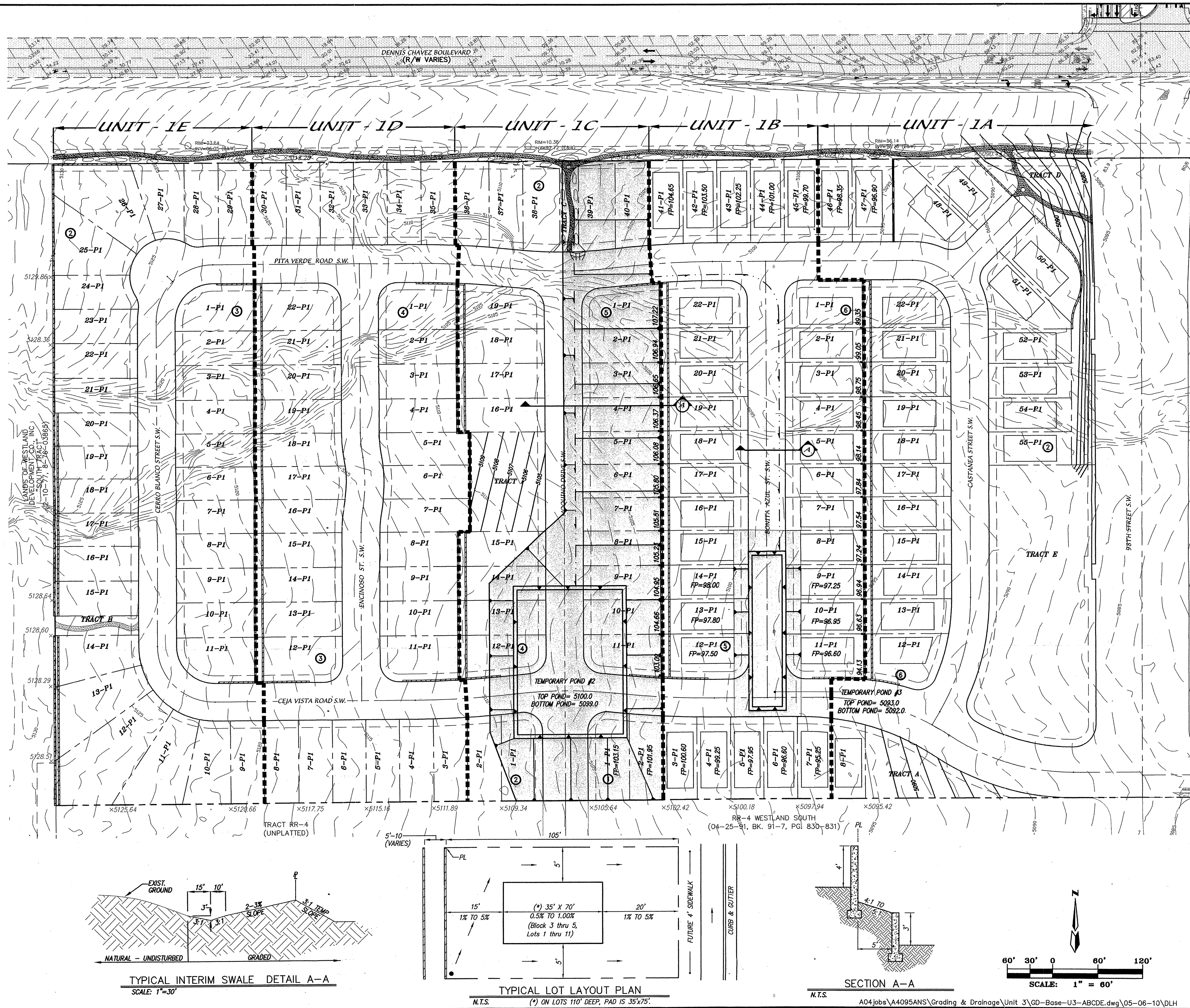
$$A_{\text{Bottom}} = 23,104 \text{ SF}$$

$$\text{Bottom Elev.} = 5068'$$

$$\text{Volume (design)} = \frac{1}{3} (\text{depth}) (A_T + A_B + \sqrt{A_T \cdot A_B})$$

$$\begin{aligned} \text{Volume (design)} &= \frac{1}{3} (9) (41,810 + 23,104 + \sqrt{A_T \cdot A_B}) \\ &= 287,982 \text{ CF} = 6.611 \text{ AF} \end{aligned}$$

F:\ALC\CS\A4095\ANS\Grading & Drainage\Unit 3\GD-Base-U3-ABCDE.dwg, 5/6/2010 10:45:56 AM, One_Plane2.mplar.pcs, CHRS



- INTERIM GRADING PLAN**
1. UNIT 3A AND 3B WILL BE ROUGH GRADED SIMULTANEOUSLY.
 2. TEMPORARY POND #1 (AS SHOWN ON SHEET 1) WILL RETAIN DEVELOPED FLOWS FROM UNITS 1A THRU 1E AND 98TH ST. FOR THE 100 YR. 10 DAY STORM.
 3. TEMPORARY POND #2 WILL HOLD UNDEVELOPED FLOWS FROM UNIT 1C, 1D & 1E.
 4. TEMPORARY POND #3 WILL HOLD UNDEVELOPED FLOWS FROM UNIT 1B.
 5. THIS WILL ALLOW THE INFRASTRUCTURE FOR UNIT 1A TO PROCEED FIRST.

DRB# 1004428
APPROVED FOR ROUGH GRADING ±18"
Bradley L. Brien 5/19/10
CITY HYDROLOGY DATE

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TITLE: **CEJA VISTA SUBDIVISION - UNIT 1**
GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL
LAST DESIGN UPDATE
CITY PROJECT NO. # ZONE MAP NO. **P-9-Z** SHEET **2** OF **2**

ENGINEER'S SEAL				SURVEY INFORMATION				FIELD NOTES				AS BUILT INFORMATION			
								NO.	BY	DATE	CONTRACTOR	WORKED BY	DATE		
											STATION "3-P10" IS LOCATED 5.3 MI. SW OF DOWNTOWN ALBUQUERQUE TO REACH STATION FROM INT. OF COORS AND DENNIS CHAVEZ BLVD. (FORMERLY RIO BLANCO). GO S. ON COORS BLVD. 0.62 MI. TO THE STATION WHICH IS ON AN EARTHEN BERM 1822' WEST OF THE CENTERLINE OF COORS BLVD. THE STATION IS A STANDARD ACS 3 1/4" ALUMINUM CAP RIVETED TO A PIPE 0.25' ABOVE THE GROUND AND IS STAMPED "3-P10, 1998".	WORKED BY	DATE		
												INSPECTOR'S ACCEPTANCE BY	DATE		
												FIELD VERIFICATION BY	DATE		
												CORRECTED BY	DATE		
												MICRO-FILM INFORMATION	DATE		
												RECORDED BY	DATE		
												NO.			

RECEIVED

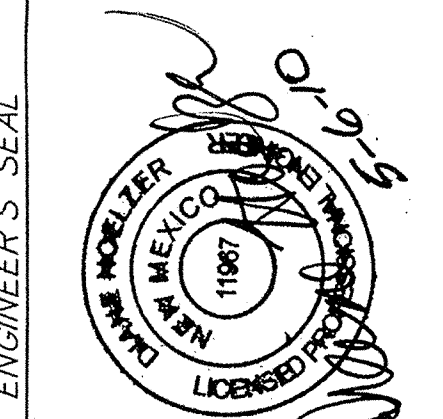
MAY 19 2011

HYDROLOGIC SECTION

MO./DAY/YR.

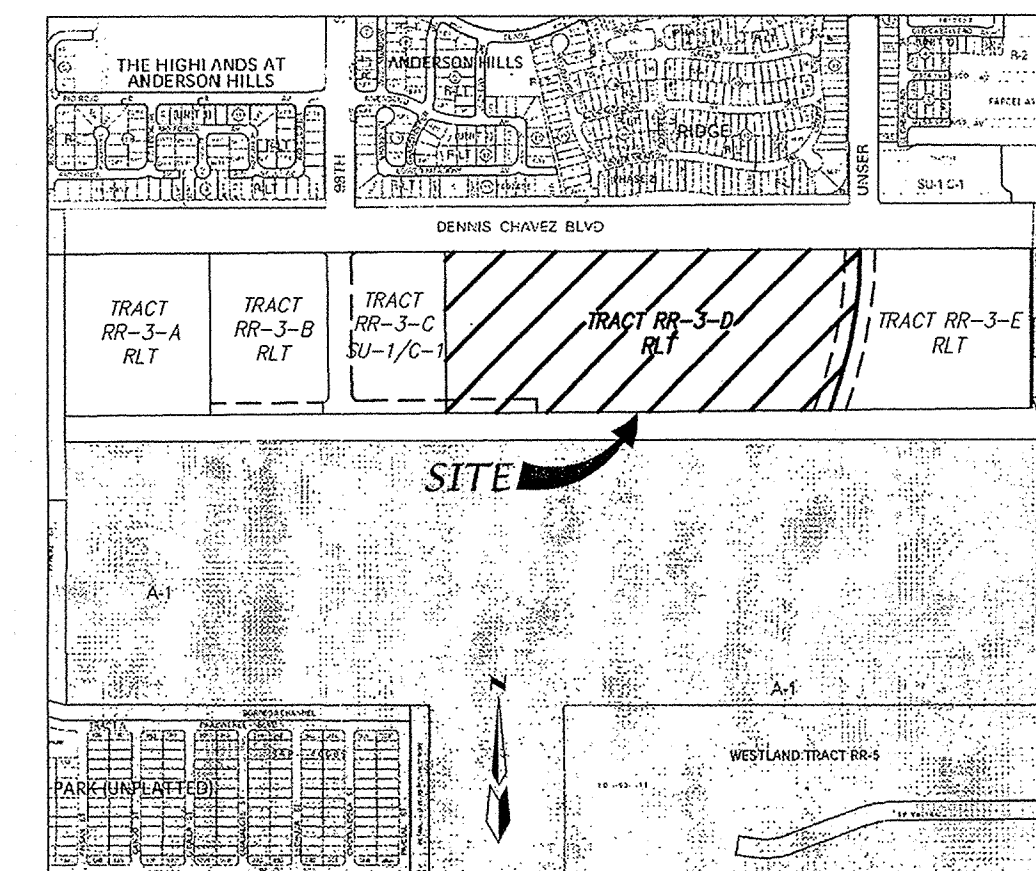
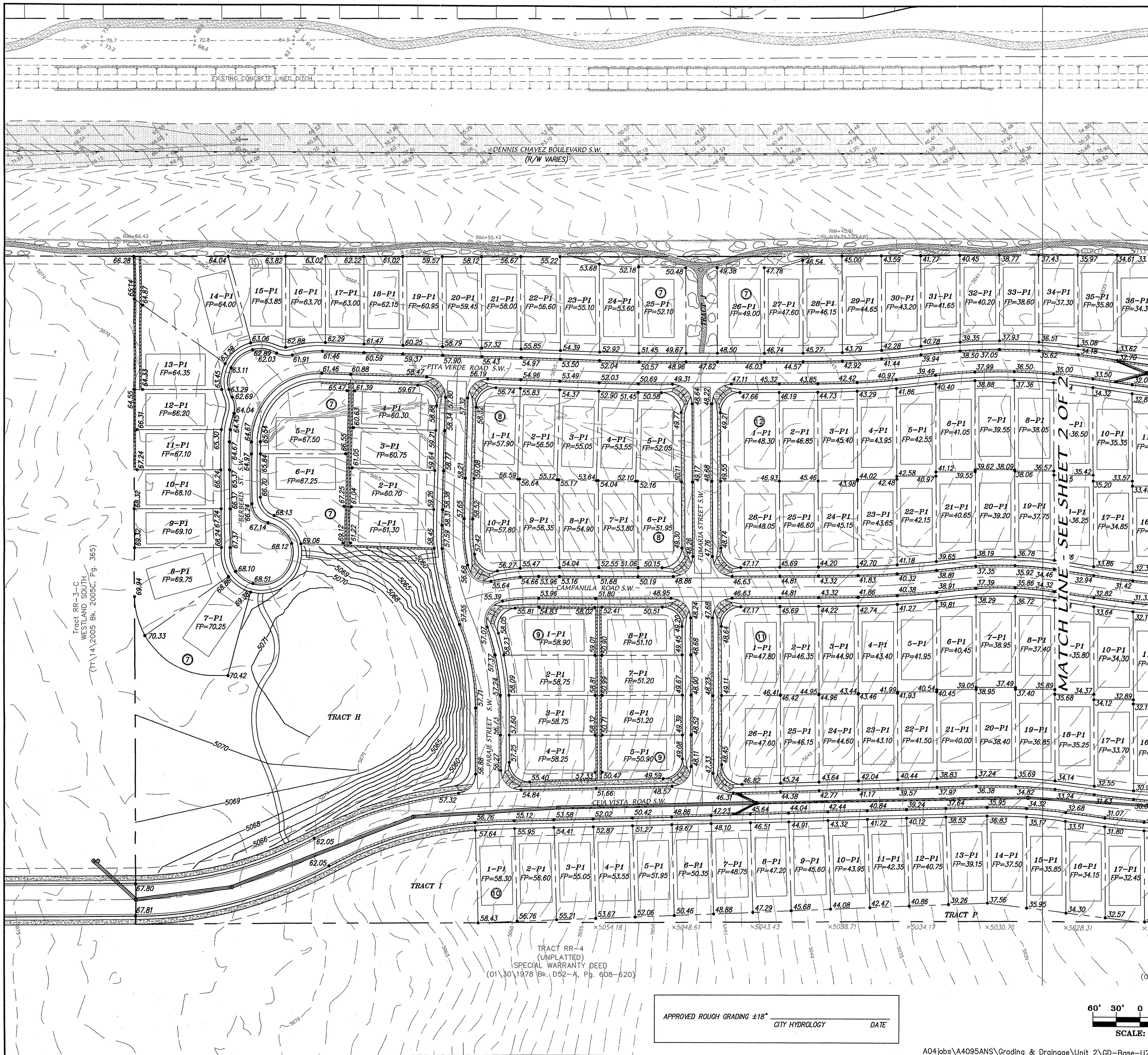
MO./DAY/YR.

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REVISIONS	DATE	BY
DESIGN	04/10	DLH
CHK	04/10	ACH
DWG	04/10	DWG

RECEIVED
MAY 19 2010
HYDROLOGY SECTION



EROSION CONTROL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
6. SITE DOES LIE IN A 100 YEAR FLOOD ZONE.

LEGEND

- 5210 EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING SPOT ELEVATION
- EXISTING SANITARY SEWER MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING ELECTRIC TRANSFORMER
- EXISTING FENCE
- EXISTING GAS LINE
- EXISTING STORM DRAIN
- EXISTING SAS LINE
- EXISTING WATER LINE
- NEW MOUNTABLE CURB & GUTTER
- NEW STANDARD CURB & GUTTER
- NEW SIDEWALK
- NEW RIGHT-OF-WAY
- NEW CENTERLINE
- NEW LOT LINES
- NEW EASEMENTS
- NEW RETAINING WALL
- NEW SPOT ELEVATIONS
- NEW FLOW DIRECTION
- NEW SLOPE
- NEW CONTOUR
- NEW STORM DRAIN INLET
- NEW STORM DRAIN MANHOLE
- NEW STORM DRAIN

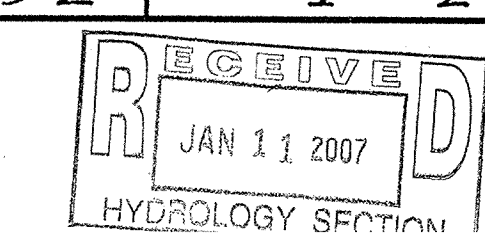
dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



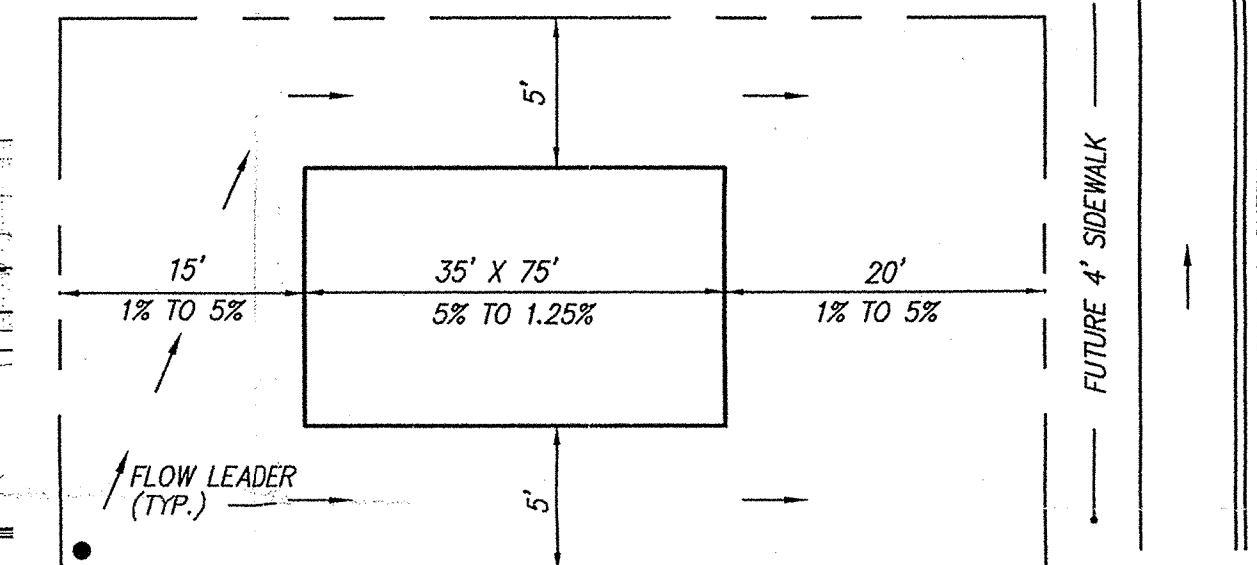
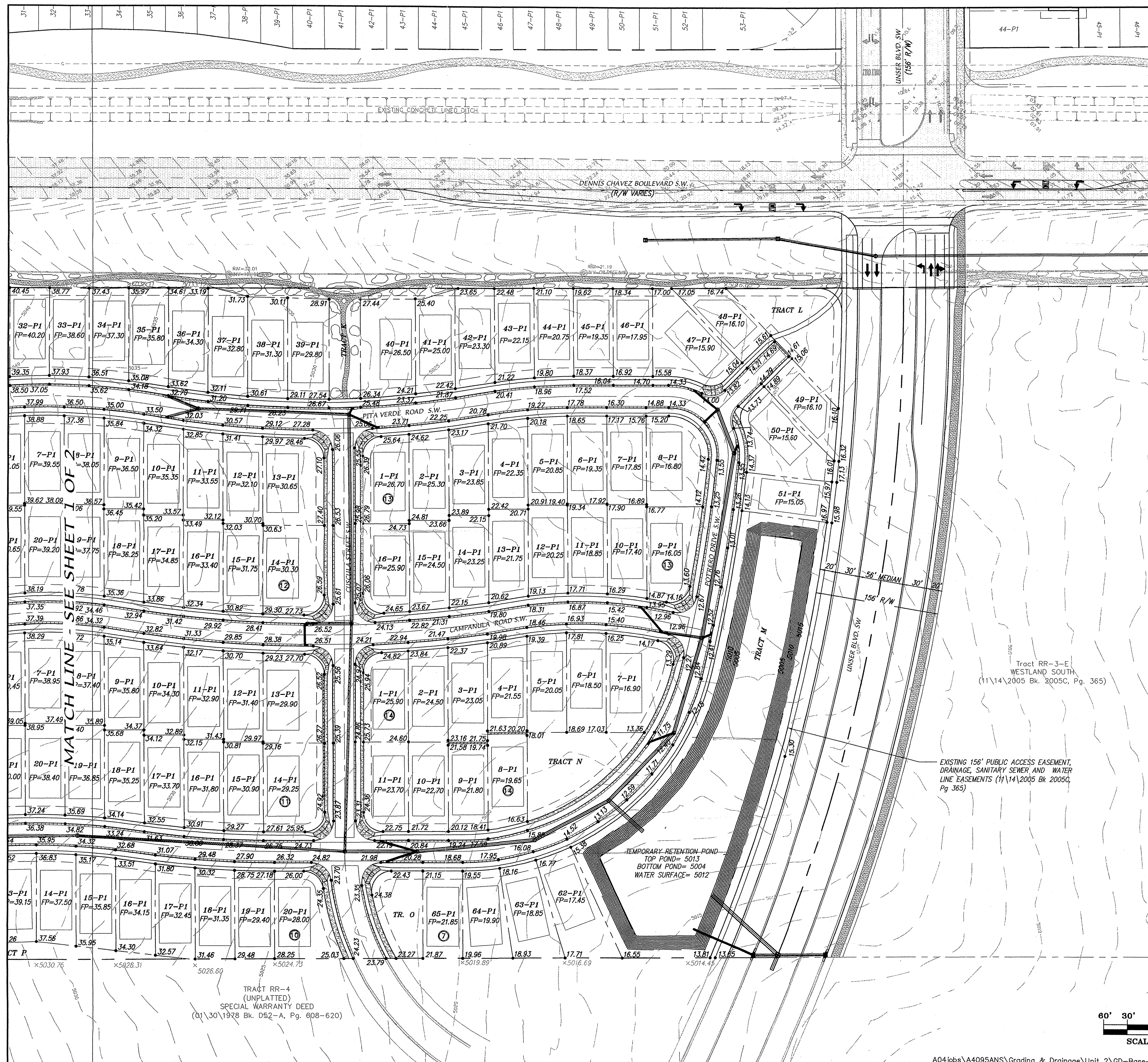
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: CEJA VISTA SUBDIVISION - UNIT 2
GRADING & DRAINAGE PLAN

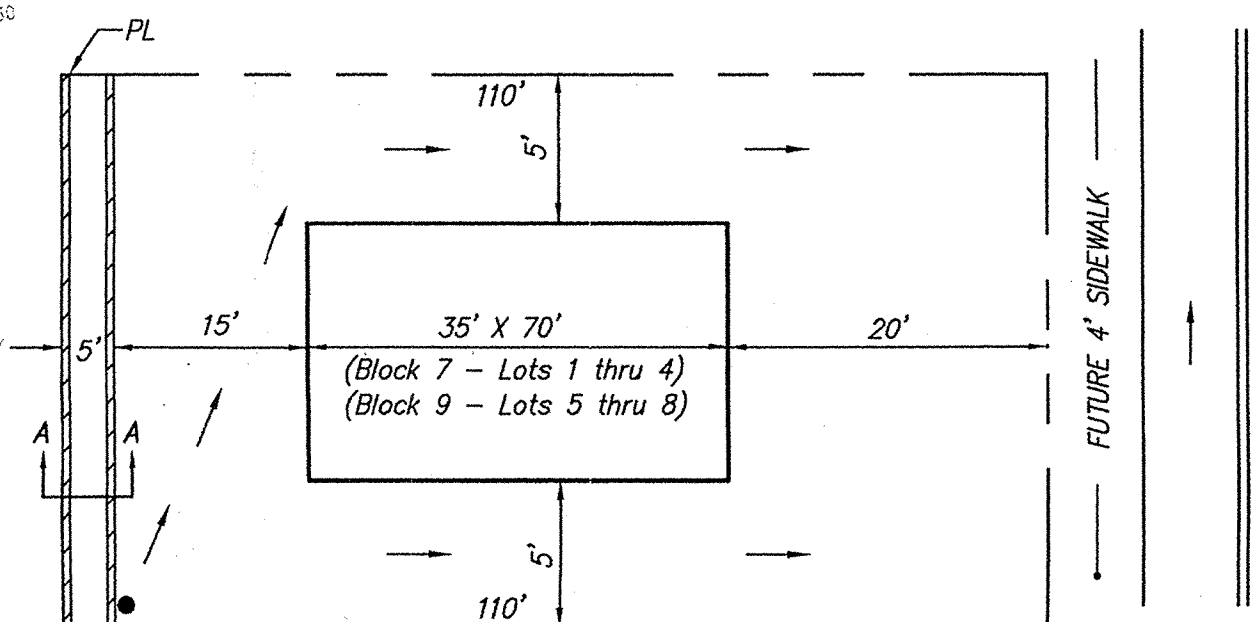
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
LAST DESIGN UPDATE			
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
1004428	P-9-Z	1	2



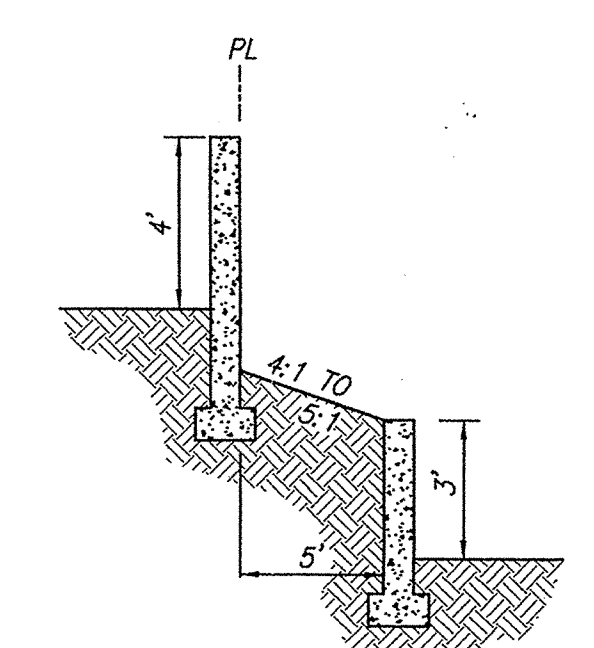
\\dmg\cfe\A04095\Grading & Drainage\Unit 2\GD-Base-U2-A.dwg\01-10-07\DER



TYPICAL LOT LAYOUT PLAN
N.T.S.



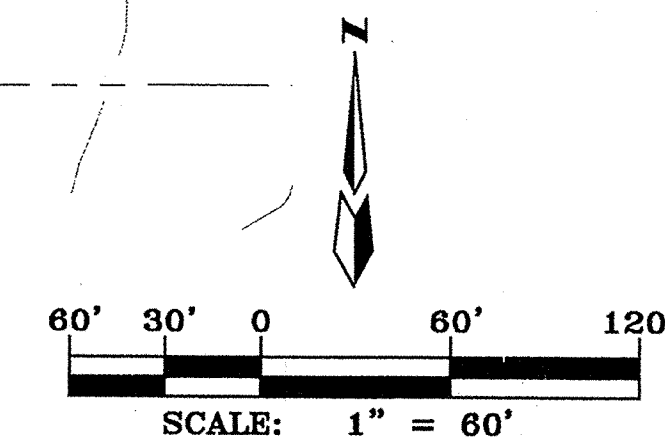
TYPICAL LOT LAYOUT PLAN
N.T.S.



SECTION A-A

EXISTING 156' PUBLIC ACCESS EASEMENT
DRAINAGE, SANITARY SEWER AND WATER
LINE EASEMENTS (11/14/2005 Bk 20050
Pg 365)

TRACT RR-4
(UNPLATTED)
SPECIAL WARRANTY DEED
(01/30/1978 Bk. D52-A, Pg. 608-620)



dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *CEJA VISTA SUBDIVISION - UNIT 2
GRADING & DRAINAGE PLAN*

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
-------------------------	------------------------

CITY PROJECT NO. *1004428*

ZONE MAP NO.
P-9-Z

SHEET 2 OF 2

RECEIVED
JAN 11 2007

ENGINEER'S SEAL



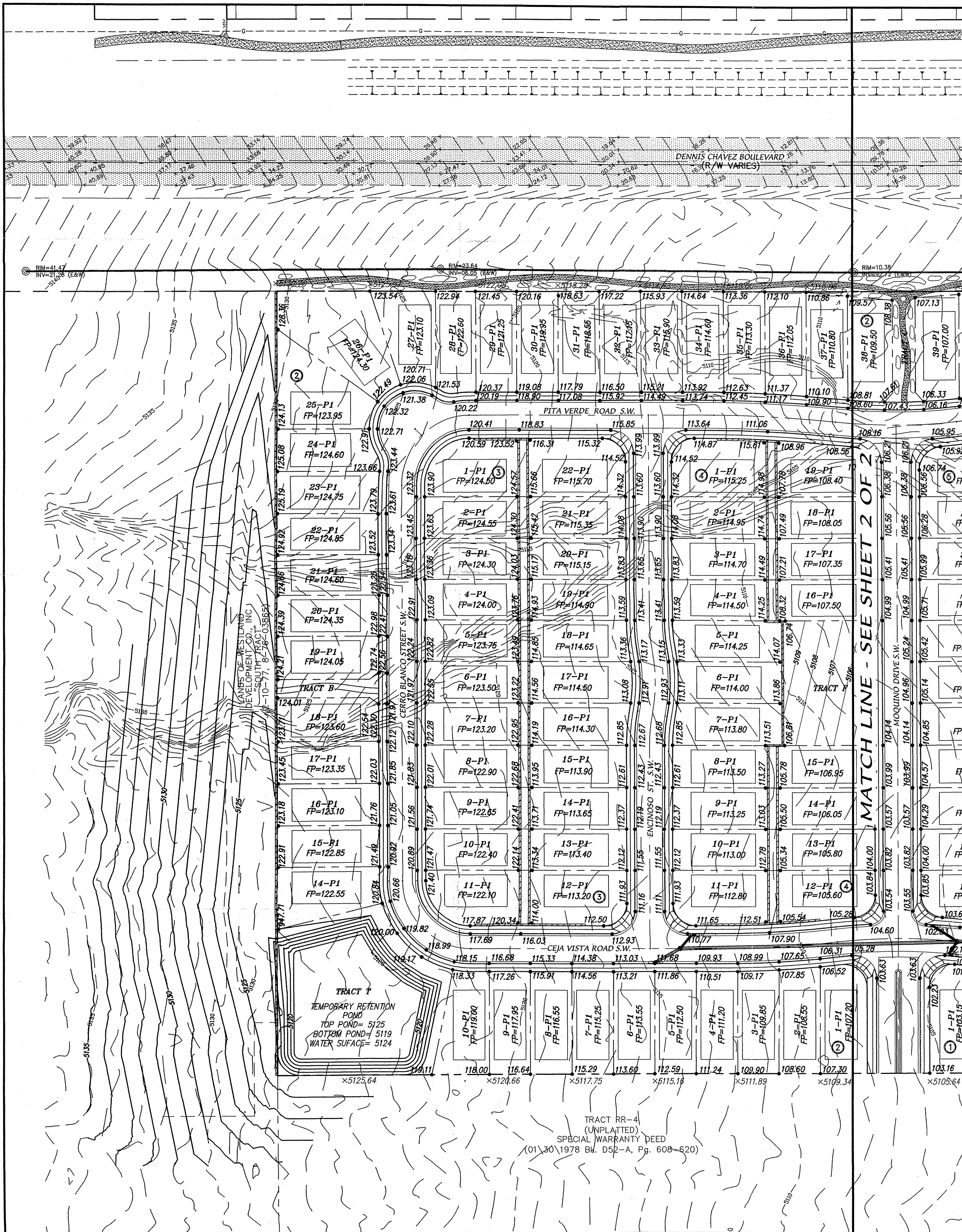
ALVIN S. MEDINA
NEW MEXICO
16454
1/9/07
LICENSED PROFESSIONAL ENGINEER

ENGINEER'S SEAL

[illegible]

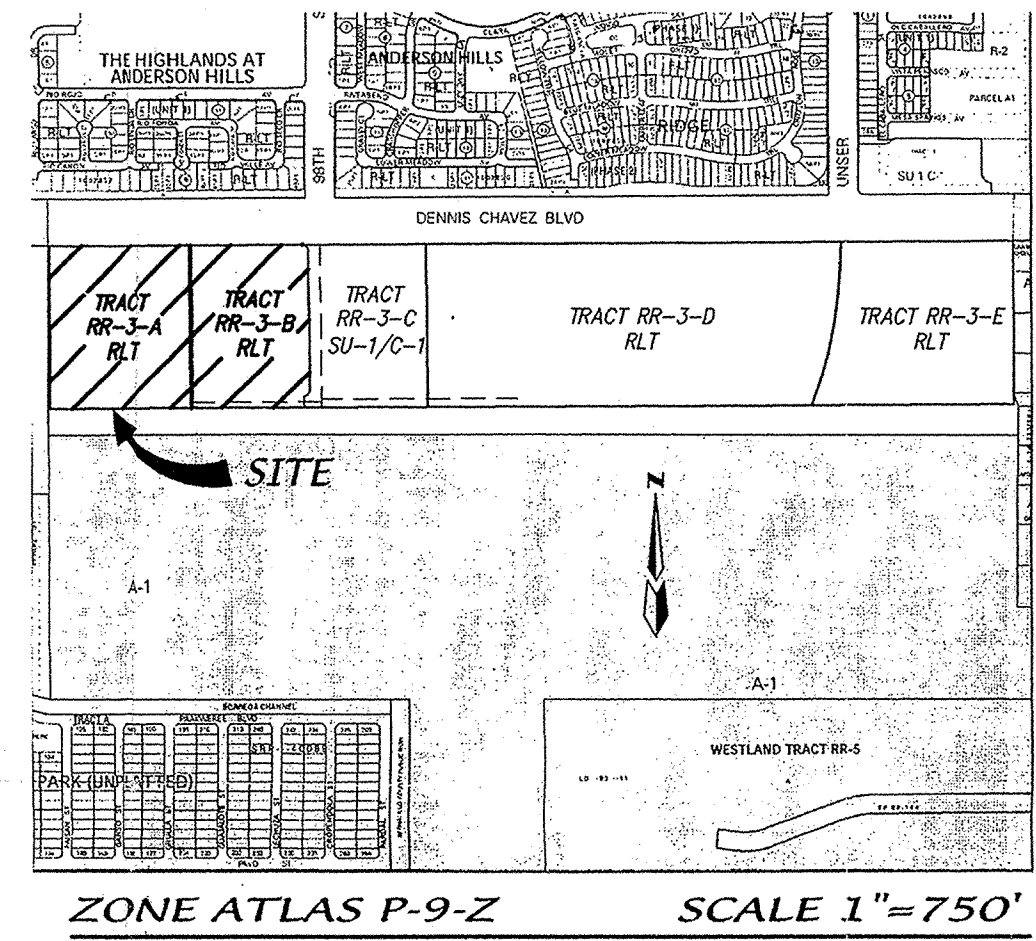
SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION			
NO.	BY	DATE	FIELD NOTES		CONTRACTOR	WORK STARTED BY	DATE	
			STATION "3-P10" IS LOCATED 5.9 MI. SW OF DOWNTOWN ALBUQUERQUE TO REACH STATION FROM INT. OF COORS AND DENNIS CHAVEZ BLVD. (FORMERLY RIO BRAVO), GO S. ON COORS BLVD. 0.62 MI. TO THE STATION WHICH IS ON AN EARTHEN BERM 162.2' WEST OF THE CENTERLINE OF COORS BLVD. THE STATION IS A STANDARD ACS 3 1/4" ALUMINUM CAP RIVETED TO A PIPE 0.25' ABOVE THE GROUND AND IS STAMPED "3-P10, 1998"					
			X=3607333.56, Y=462437.48 (NAD 27), ELEV=4035.735 (SLD 29)					
						RECORDED BY	DATE	
						NO.		

A04jobs\A4095ANS\Grading & Drainage\Unit 2\GD-Base-U2-A.dwg\01-10-07\DER



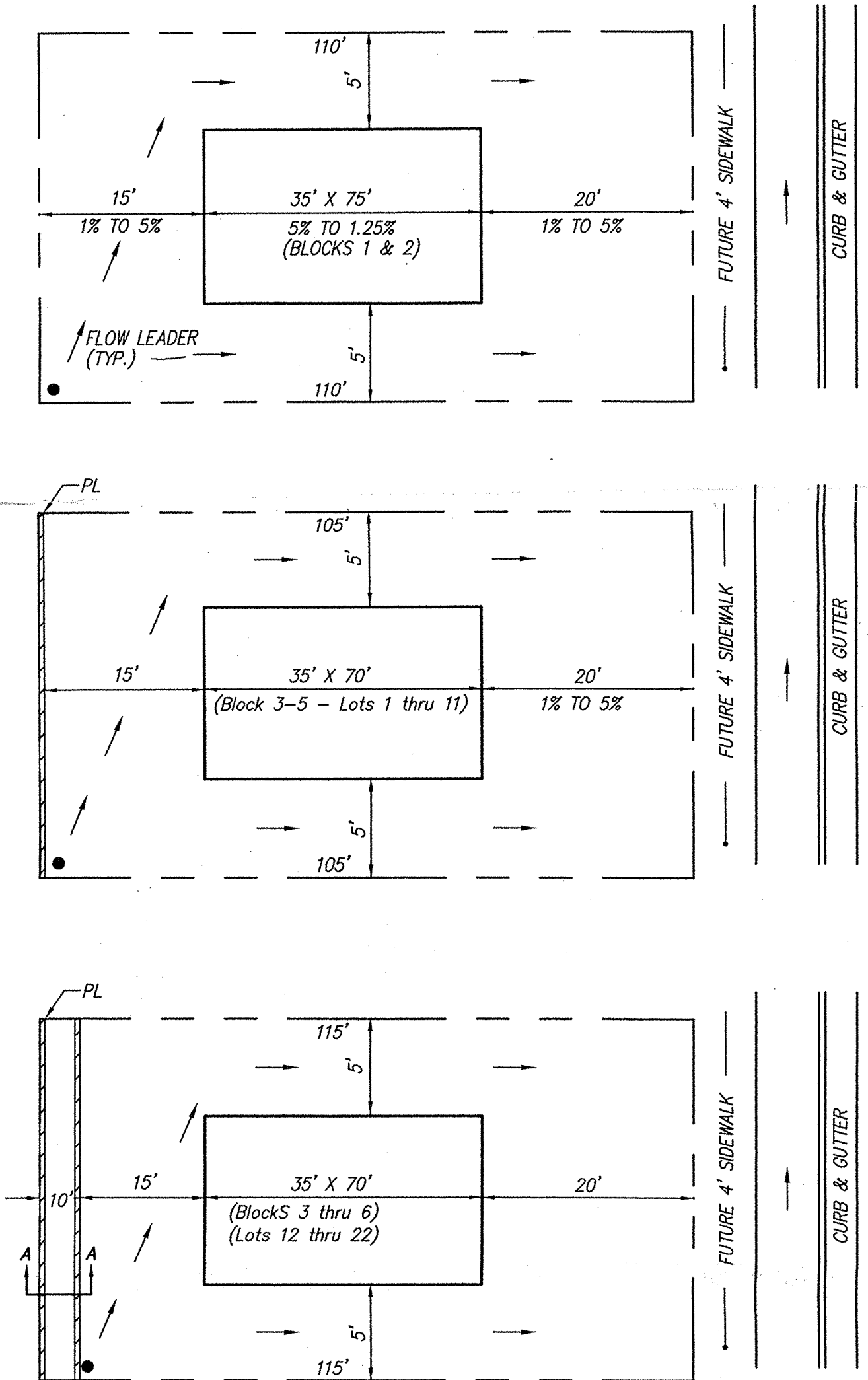
EROSION CONTROL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
6. SITE DOES LIE IN A 100 YEAR FLOOD ZONE.

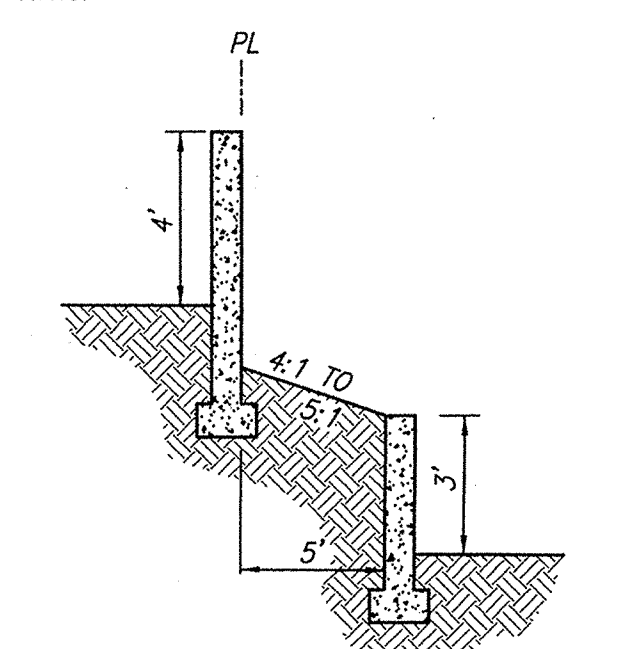


LEGEND

- 5210 EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING SPOT ELEVATION
- EXISTING SANITARY SEWER MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING ELECTRIC TRANSFORMER
- EXISTING FENCE
- EXISTING GAS LINE
- EXISTING STORM DRAIN
- EXISTING SAS LINE
- EXISTING WATER LINE
- NEW MOUNTABLE CURB & GUTTER
- NEW STANDARD CURB & GUTTER
- NEW SIDEWALK
- NEW RIGHT-OF-WAY
- NEW CENTERLINE
- NEW LOT LINES
- NEW EASEMENTS
- NEW RETAINING WALL
- NEW SPOT ELEVATIONS
- NEW FLOW DIRECTION
- NEW SLOPE
- NEW CONTOUR
- NEW STORM DRAIN INLET
- NEW STORM DRAIN MANHOLE
- NEW STORM DRAIN



TYPICAL LOT LAYOUT PLAN
N.T.S.

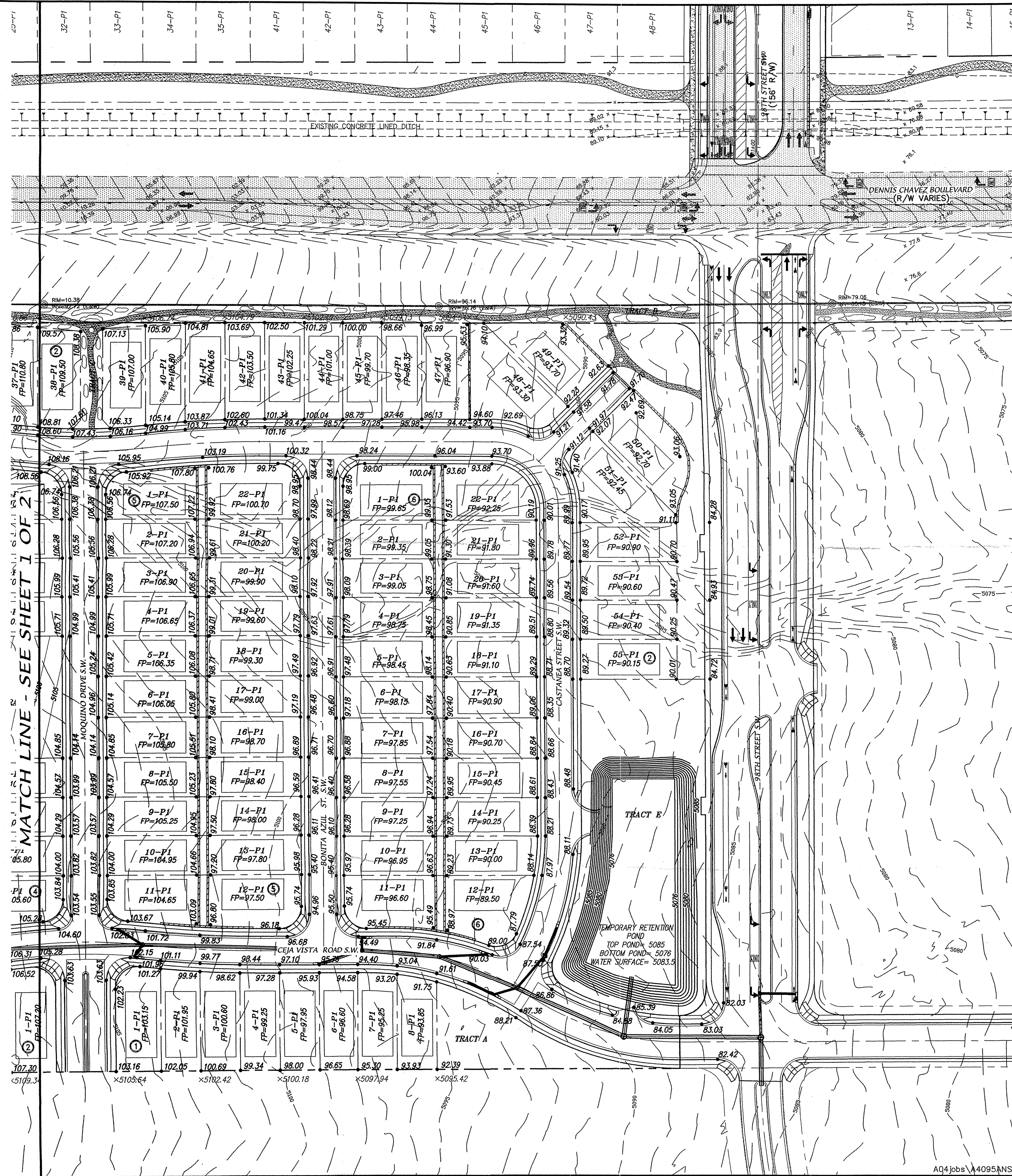


SECTION A-A

N.T.S. A04\jobs\A4095ANS\Grading & Drainage\Unit 3\GD-Base-U3-A.dwg\01-10-07\DER

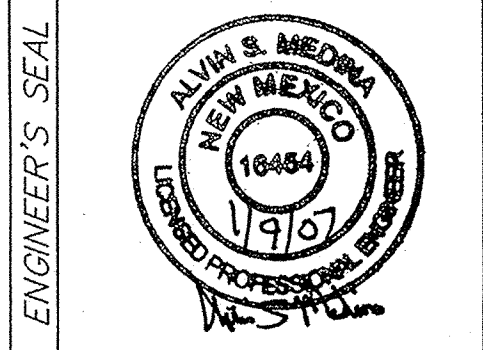
APPROVED ROUGH GRADING $\pm 18"$ CITY HYDROLOGY DATE

MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 (505) 828-2200, FAX (505) 797-9539		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: CEJA VISTA SUBDIVISION - UNIT 3 GRADING & DRAINAGE PLAN		JAN 11 2007	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 1004428	ZONE MAP NO. P-9-Z	SHEET 1	OF 2



APPROVED ROUGH GRADING $\pm 18"$ CITY HYDROLOGY DATE

dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 (505) 828-2200, FAX (505) 797-9539	
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CITY PROJECT NO. 1004428	ZONE MAP NO. P-9-Z
SHEET 2	OF 2
NO. DATE	REMARKS
1 01/06	DESIGN
2 07/06	DER
3 07/06	DMG



SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	NO.	DATE	CONTRACTOR	DATE
				STATION "3-P10" IS LOCATED 5.9 MI. SW OF DOWNTOWN ALBUQUERQUE TO REACH STATION FROM INT. OF COORS AND DENNIS CHAVEZ BLVD. (FORMERLY RIO BRAVO), 60 S. ON COORS BLVD. 0.62 MI. TO THE STATION WHICH IS ON AN EARTHEN BERM 162.2' WEST OF THE CENTERLINE OF COORS BLVD. THE STATION IS A STANDARD ACS 3 1/4" ALUMINUM CAP RIMMED TO A PPE 0.25' ABOVE THE GROUND AND IS STAMPED "3-P10, 1998".	DATE
				INSPECTOR'S FIELD VERIFICATION BY	DATE
				CONTRACTOR'S FIELD VERIFICATION BY	DATE
				RECORDED BY	DATE
				NO.	DATE