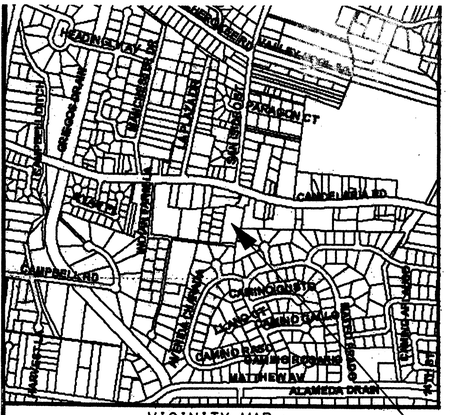

VICINITY MAP
ZONE ATLES PAGE
G-13-Z
NTS

SITE

FLOOD MAP 35001C0331 E
NOVEMBER 19, 2003
NTS

LEGEND

- EXISTING CONTOURS 0.25'
- EXISTING CONTOURS 1'
- FINSHED GRADE COUNTOUR
- PROPERTY LINE
- PROPOSED GARDEN WALL
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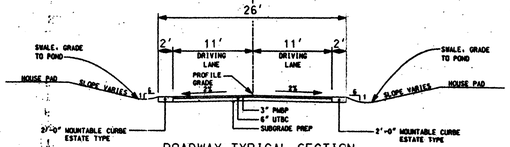
- BUILDING PAD WITH MAX AREA & ELEVATIONS SHOWN
- CONCRET DRIVE
- RETENTION POND AREAS
  RETENTION POND
  TOP EL = XX.X AREA = XXXX.X sq ft
  BTM EL = XX.X AREA = XXX.X sq ft
  VOL = XXX.X cu ft

RETENTION POND CROSS SECTION



ROADWAY TYPICAL SECTION

DRAINAGE NOTES

1. RUNOFF GENERATED ON SITE WILL BE RETAINED ON SITE IN INDIVIDUAL LOT RETENTION PONDS.
2. PONDING VOLUMES WERE CALCULATED USING COA DPM CHAPTER 22 METHODS FOR ZONE 2.
3. THE FLAT GRADING SCHEME AS DEFINED IN THE DPM IS BEING USED FOR THIS DEVELOPEMENT
4. SEE ATTACHED CALCULATIONS FOR MAXIMUM ALLOWABLE IMPERVIOUS AREAS AND MAXIMUM ALLOWABLE HOUSE PAD AREAS.
5. INDIVIDUAL LOTS TO BE GRADED TO PROVIDE PONDING VOLUMS SHOWN IN TABLE BELOW.
6. REQUIRED PONDING VOLUMS ARE 100 YR 10 DAY STORM VOLUMES.
7. HOUSE PADS SHOWN ARE ONLY APPROXIMATE. GRADES SHOWN ESTABLISH STREET GRADES. BUILDING PAD ELEVATIONS AND GRADING AROUND PADS.
8. NO CROSS LOT DRAINAGE OR PONDING WILL BE ALLOWED.
9. THERE IS NO OFF-SITE DRAINAGE AFFECTING THIS SITE.
10. THIS SITE IS IN ZONE X ACCORDING TO FEMA MAP.
11. TOPO SURVEY WAS PERFORMED BY NMQC ON AUGUST 16, 2003.
12. ELEVATIONS AND CONTOURS SHWON ARE BASED ON CONTROL STATION 6-C13A RESET THE STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED."6-G13A RESET 1980/1995" SET FLUSH WITH THE TOP OF CURB SPIRIT LEVEL ELEVATION (SLD 1929) FEET 4965.73 (2nd ORDER).

DESCRIPTION	LAND USE					RUNOFF VOLUME 6HR-100YR	RUNOFF VOLUME 24HR-100YR	PONDING VOLUME* 10DAY-100YR	MAX IMPERVIOUS AREA @ 45%	MAX *BUILDING AREA	REMARKS
EXCESS PERCIPITATION (INCHES) ZONE 2	A	B	C	D	TOTAL						
	0.80	1.08	1.46	2.64							
LOT											
1	—	—	0.1586 AC	0.1161 AC	0.2747 AC	1.544 ft³	1.713 ft³	2.218 ft³	5.384.76ft²	3.000 ft²	
2	—	—	0.1672 AC	0.1076 AC	0.2747 AC	1.514 ft³	1.670 ft³	2.139 ft³	5.385.09ft²	3.000 ft²	
3	—	—	0.1998 AC	0.1624 AC	0.3622 AC	2.063 ft³	2.299 ft³	3.006 ft³	7.100.02ft²	2.475 ft²	
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5	—	—	0.1641 AC	0.1013 AC	0.2654 AC	1.543 ft³	1.600 ft³	2.041 ft³	5.202.77ft²	3.000 ft²	
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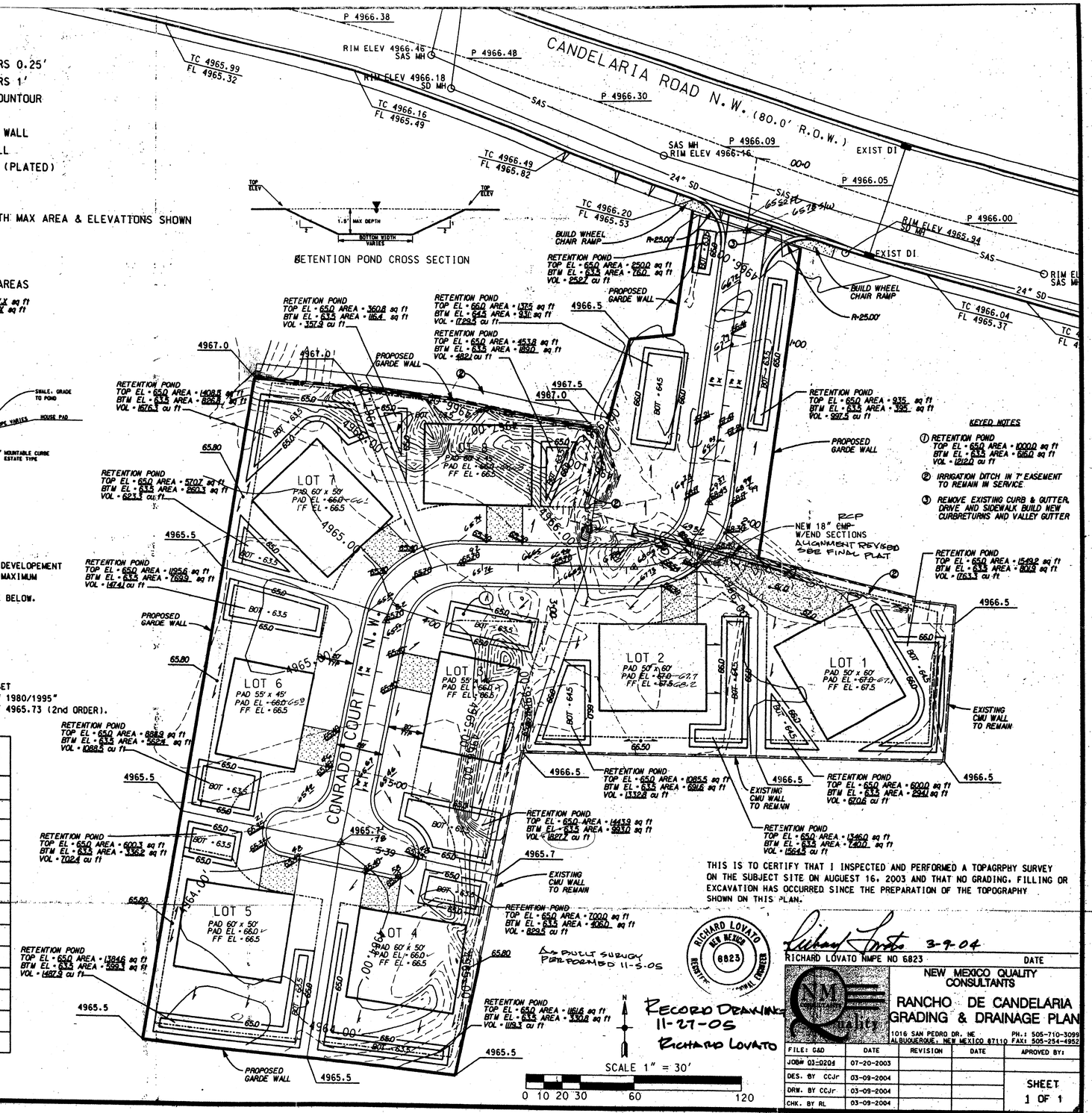
8	—	—	0.1419 AC	0.1081 AC	0.2500 AC	1.395 ft³	1.545 ft³	1.993 ft³	4.900.50ft²	2.700 ft²	
TRACT A	—	—	0.1531 AC	0.0735 AC	0.2266 AC	1.194 ft³	1.300 ft³	1.621 ft³	4.442.70ft²	0 ft²	
TRACT B	—	—	0.0685 AC	0.0520 AC	0.1205 AC	681 ft³	757 ft³	983 ft³	2.363.07ft²	0 ft²	
TOTAL AREAS	—	—	1.4986 AC	1.0505 AC	2.5491 AC						

NOTE:
LAND USE C COMPACTED SOIL AREA
LAND USE D BUILDING AREA/PAVEMENT
* REQUIRED PONDING VOLUME



KEYED NOTES

1. RETENTION POND
   TOP EL = 650 AREA = 10000 sq ft
   BTM EL = 635 AREA = 6150 sq ft
   VOL = 12120 cu ft
2. IRRIGATION DITCH IN 7' EASEMENT TO REMAIN IN SERVICE
3. REMOVE EXISTING CURB & GUTTER, DRIVE AND SIDEWALK BUILD NEW CURBRETURNS AND VALLEY GUTTER

THIS IS TO CERTIFY THAT I INSPECTED AND PERFORMED A TOPAGRPHY SURVEY ON THE SUBJECT SITE ON AUGUEST 16, 2003 AND THAT NO GRADING, FILLING OR EXCAVATION HAS OCCURRED SINCE THE PREPARATION OF THE TOPOGRAPHY SHOWN ON THIS PLAN.

RICHARD LOVATO NEW MEXICO 6823 REGISTERED PROFESSIONAL ENGINEER

3-9-04
RICHARD LOVATO NMPE NO 6823 DATE

NEW MEXICO QUALITY CONSULTANTS
1016 SAN PEDRO DR. NE
ALBUQUERQUE, NEW MEXICO 87110
PH.: 505-710-3099
FAX: 505-254-4952

RANCHO DE CANDELARIA GRADING & DRAINAGE PLAN

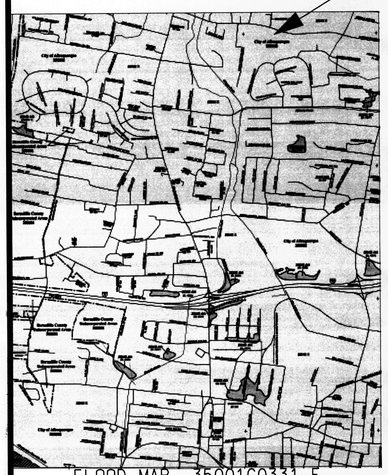
FILE: GAD	DATE	REVISION	DATE	APROVED BY:
JOB# 03-0204	07-20-2003			
DES. BY CCJr	03-09-2004			SHEET 1 OF 1
DRW. BY CCJr	03-09-2004			
CHK. BY RL	03-09-2004			

RECEIVED NOV 28 2005 HYDROLOGY SECTION

SHEET 4 OF 8

VICINITY MAP
ZONE ATLES PAGE
G-13-Z
NTS

SITE



FLOOD MAP 35001C0331 E
NOVEMBER 19, 2003
NTS

LEGEND

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- EXISTING CONTOURS 1'
- FINSHED GRADE COUNTOUR
- PROPERTY LINE
- PROPOSED GARDEN WALL
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  RETENTION POND
  TOP EL - XX.X AREA - XXXX.X sq ft
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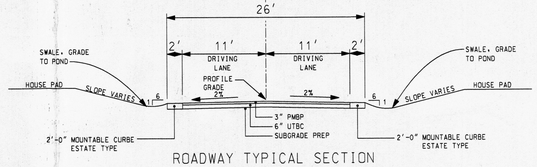
  VOL - XXX.X cu ft



ROADWAY TYPICAL SECTION

DRAINAGE NOTES

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	0.80	1.08	1.46	2.64							
LOT											
1	—	—	0.1586 AC	0.1161 AC	0.2747 AC	1.544 ft^3	1.713 ft^3	2.218 ft^3	5.384.76ft^2	3.000 ft^2	
2	—	—	0.1672 AC	0.1076 AC	0.2747 AC	1.514 ft^3	1.670 ft^3	2.139 ft^3	5.385.09ft^2	3.000 ft^2	
3	—	—	0.1998 AC	0.1624 AC	0.3622 AC	2.063 ft^3	2.299 ft^3	3.006 ft^3	7.100.02ft^2	2.475 ft^2	
4	—	—	0.1339 AC	0.1010 AC	0.2350 AC	1.326 ft^3	1.473 ft^3	1.913 ft^3	4.605.75ft^2	3.000 ft^2	
5	—	—	0.1641 AC	0.1013 AC	0.2654 AC	1.543 ft^3	1.600 ft^3	2.041 ft^3	5.202.77ft^2	3.000 ft^2	
6	—	—	0.1625 AC	0.1275 AC	0.2900 AC	1.641 ft^3	1.826 ft^3	2.381 ft^3	5.683.95ft^2	2.475 ft^2	
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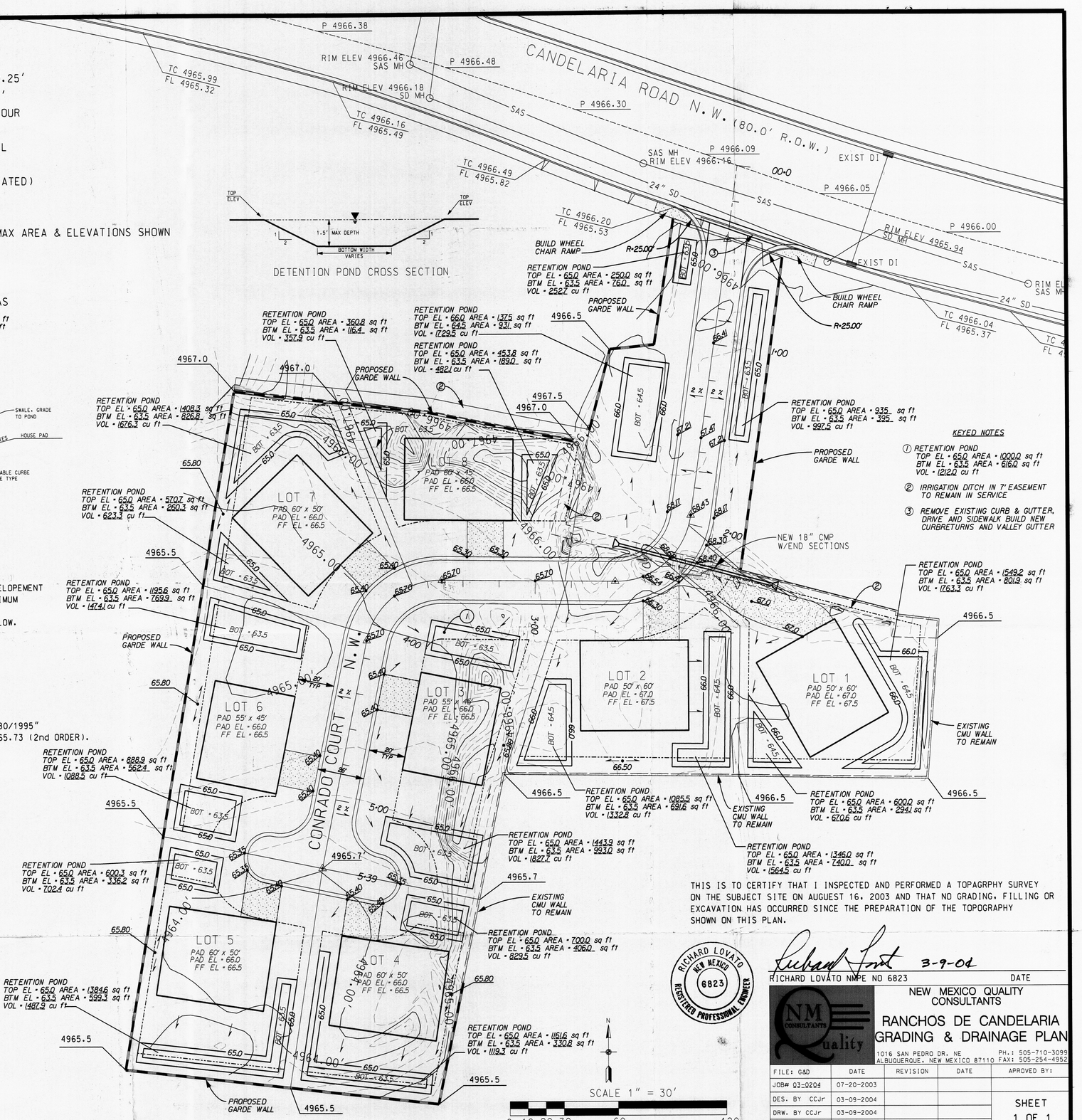
8	—	—	0.1419 AC	0.1081 AC	0.2500 AC	1.395 ft^3	1.545 ft^3	1.993 ft^3	4.900.50ft^2	2.700 ft^2	
TRACT A	—	—	0.1531 AC	0.0735 AC	0.2266 AC	1.194 ft^3	1.300 ft^3	1.621 ft^3	4.442.70ft^2	0 ft^2	
TRACT B	—	—	0.0685 AC	0.0520 AC	0.1205 AC	681 ft^3	757 ft^3	983 ft^3	2.363.07ft^2	0 ft^2	
TOTAL AREAS	—	—	1.4986 AC	1.0505 AC	2.5491 AC						

NOTE:
LAND USE C COMPACTED SOIL AREA
LAND USE D BUILDING AREA/PAVEMENT
* REQUIRED PONDING VOLUME



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RICHARD LOVATO NEW MEXICO 6823 REGISTERED PROFESSIONAL ENGINEER

3-9-04
RICHARD LOVATO NMPE NO 6823 DATE

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FILE: G&D	DATE	REVISION	DATE	APROVED BY:
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DES. BY CCJr	03-09-2004			SHEET 1 OF 1
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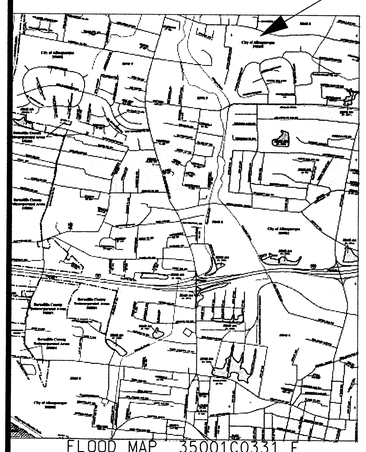
VICINITY MAP
ZONE ATLES PAGE
G-13-Z
NTS

SITE



FLOOD MAP 35001C0331 E
NOVEMBER 19, 2003
NTS

LEGEND

- EXISTING CONTOURS 0.25'
- EXISTING CONTOURS 1'
- FINSHED GRADE COUNTOUR
- PROPERTY LINE
- PROPOSED GARDEN WALL
- EXISTING CMU WALL
- PROPERTY CORNER (PLATED)
- FOUND REBAR
- RETENTION POND AREAS

N

SCALE 1" = 30'

0 10 20 30 60 120

DRAINAGE NOTES

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5. HOUSE PADS SHOWN ARE ONLY APPROXAMATE. GRADES SHOWN ESTABLISH STREET GRADES, BUILDING PAD ELEVATIONS AND GRADING AROUND PADS.
6. FINAL GRADING FOR DEVELOPMENT OF REQUIRED POND VOLUMES IS TO BE DEVELOPED WHEN FINAL BUILDING FOOTPRINT IS ESTABLISHED.
7. THERE IS NO OFF-SITE DRAINAGE AFFECTING THIS SITE.
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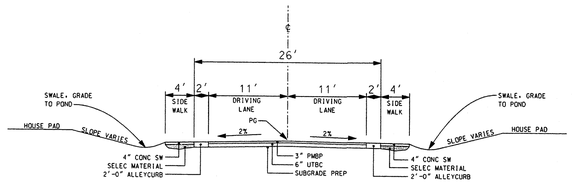
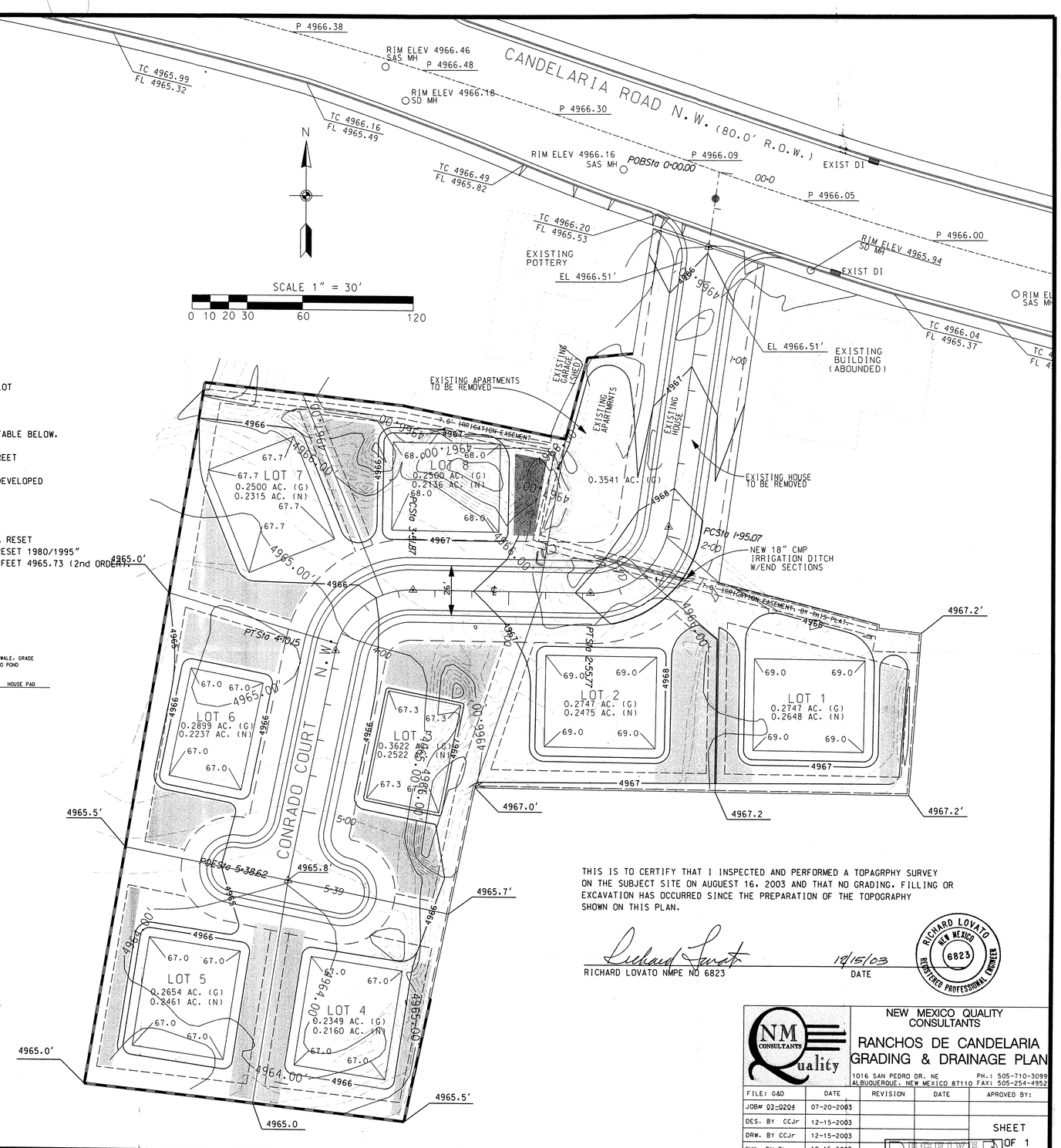


ROADWAY TYPICAL SECTION

DESCRIPTION	LAND USE					PONDING VOLUME 6HR-100YR	* PONDING VOLUME 24HR-100YR	REMARKS
	A	B	C	D	TOTAL			
EXCESS PERCIPITATION (INCHES) ZONE 2	0.80	1.08	1.46	2.64				
LOT								
1	—	—	0.1959 AC	0.0788 AC	0.2747 AC	1,410 ft³	1,524 ft³	
2	—	—	0.1786 AC	0.0961 AC	0.2747 AC	1,476 ft³	1,616 ft³	
3	—	—	0.1971 AC	0.1651 AC	0.3622 AC	2,077 ft³	2,317 ft³	
4	—	—	0.1471 AC	0.0878 AC	0.2349 AC	1,278 ft³	1,405 ft³	
5	—	—	0.1772 AC	0.0882 AC	0.2654 AC	1,407 ft³	1,535 ft³	
6	—	—	0.1686 AC	0.1213 AC	0.2899 AC	1,620 ft³	1,796 ft³	
7	—	—	0.1626 AC	0.0874 AC	0.2500 AC	1,621 ft³	1,797 ft³	
8	—	—	0.1497 AC	0.1003 AC	0.2500 AC	1,388 ft³	1,534 ft³	
TRACT A	—	—	0.0945 AC	0.1321 AC	0.2266 AC	1,407 ft³	1,600 ft³	
TRACT B	—	—	0.0523 AC	0.0683 AC	0.1206 AC	419 ft³	518 ft³	
TOTAL AREAS	—	—	1.5236 AC	1.0254 AC	2.5490 AC			

NOTE:
LAND USE C COMPACTED SOIL AREA
LAND USE D BUILDING AREA/PAVEMENT
* REQUIRED PONDING VOLUME



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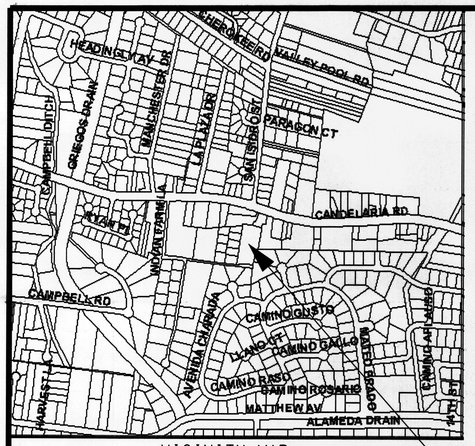
RECEIVED
DEC 16 2003
HYDROLOGY SECTION



VICINITY MAP
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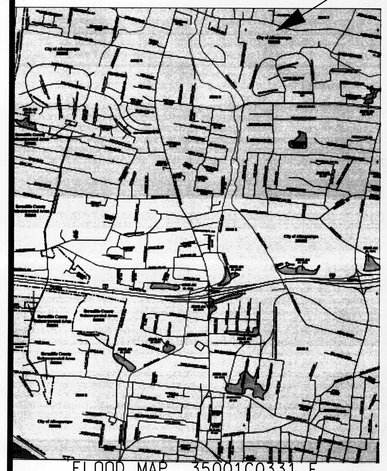

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NOVEMBER 19, 2003
NTS

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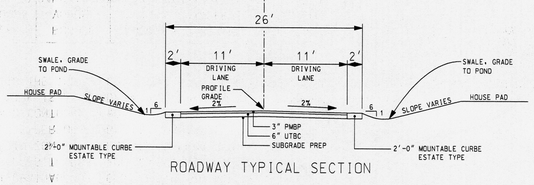

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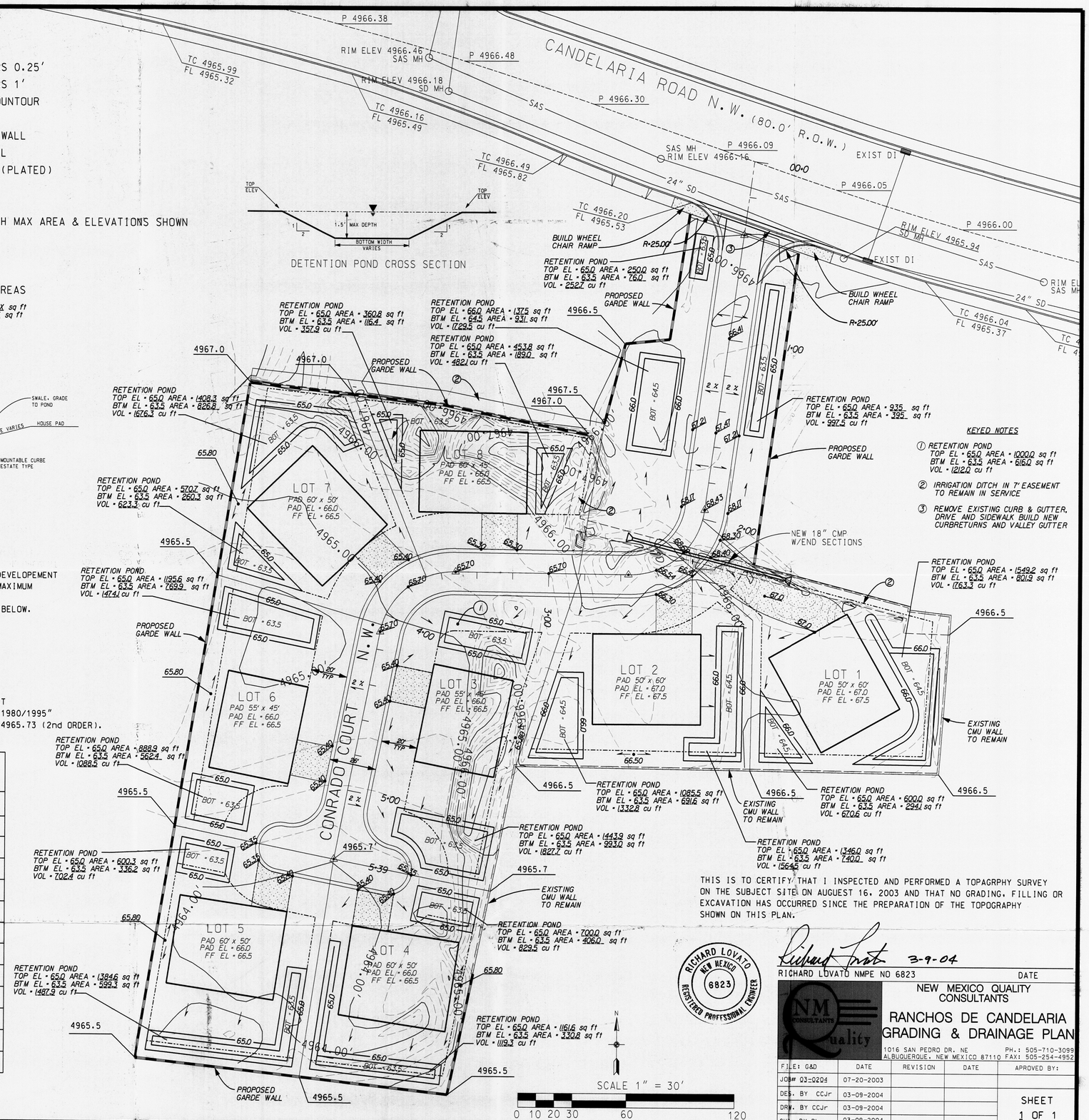
TRACT A	—	—	0.1531 AC	0.0735 AC	0.2266 AC	1.194 ft^3	1.300 ft^3	1.621 ft^3	4.442.70ft^2	0 ft^2	
TRACT B	—	—	0.0685 AC	0.0520 AC	0.1205 AC	681 ft^3	757 ft^3	983 ft^3	2.363.07ft^2	0 ft^2	
TOTAL AREAS	—	—	1.4986 AC	1.0505 AC	2.5491 AC						

NOTE:
LAND USE C COMPACTED SOIL AREA
LAND USE D BUILDING AREA/PAVEMENT
* REQUIRED PONDING VOLUME



KEYED NOTES

1. RETENTION POND
   TOP EL = 65.0 AREA = 1000.0 sq ft
   BTM EL = 63.5 AREA = 616.0 sq ft
   VOL = 1212.0 cu ft
2. IRRIGATION DITCH IN 7' EASEMENT TO REMAIN IN SERVICE
3. REMOVE EXISTING CURB & GUTTER, DRIVE AND SIDEWALK BUILD NEW CURBRETURNS AND VALLEY GUTTER

THIS IS TO CERTIFY THAT I INSPECTED AND PERFORMED A TOPAGRPHY SURVEY ON THE SUBJECT SITE ON AUGUEST 16, 2003 AND THAT NO GRADING, FILLING OR EXCAVATION HAS OCCURRED SINCE THE PREPARATION OF THE TOPOGRAPHY SHOWN ON THIS PLAN.

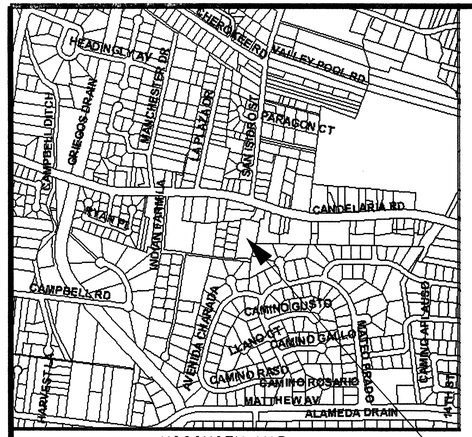
RICHARD LOVATO NEW MEXICO 6823 REGISTERED PROFESSIONAL ENGINEER

Richard Lovato 3-9-04
RICHARD LOVATO NMPE NO 6823 DATE

NEW MEXICO QUALITY CONSULTANTS
1016 SAN PEDRO DR. NE PH.: 505-710-3099
ALBUQUERQUE, NEW MEXICO 87110 FAX: 505-254-4952

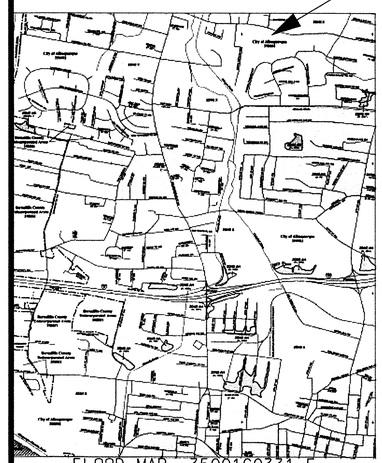
RANCHOS DE CANDELARIA GRADING & DRAINAGE PLAN

FILE: G&D	DATE	REVISION	DATE	APROVED BY:
JOB# 03-0204	07-20-2003			
DES. BY CCJr	03-09-2004			SHEET 1 OF 1
DRW. BY CCJr	03-09-2004			
CHK. BY RL	03-09-2004			



VICINITY MAP
ZONE ATLES PAGE
G-13-Z
NTS

SITE



FLOOD MAP 35001C0331 E
NOVEMBER 19, 2003
NTS

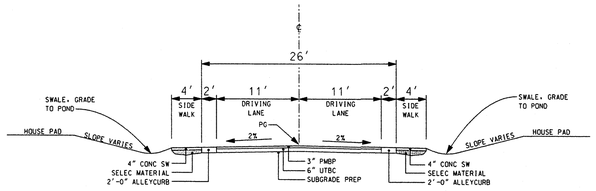
LEGEND

- EXISTING CONTOURS 0.25'
- EXISTING CONTOURS 1'
- FINSHED GRADE COUNTOUR
- PROPERTY LINE
- PROPOSED GARDEN WALL
- EXISTING CMU WALL
- PROPERTY CORNER (PLATED)
- FOUND REBAR
- RETENTION POND AREAS

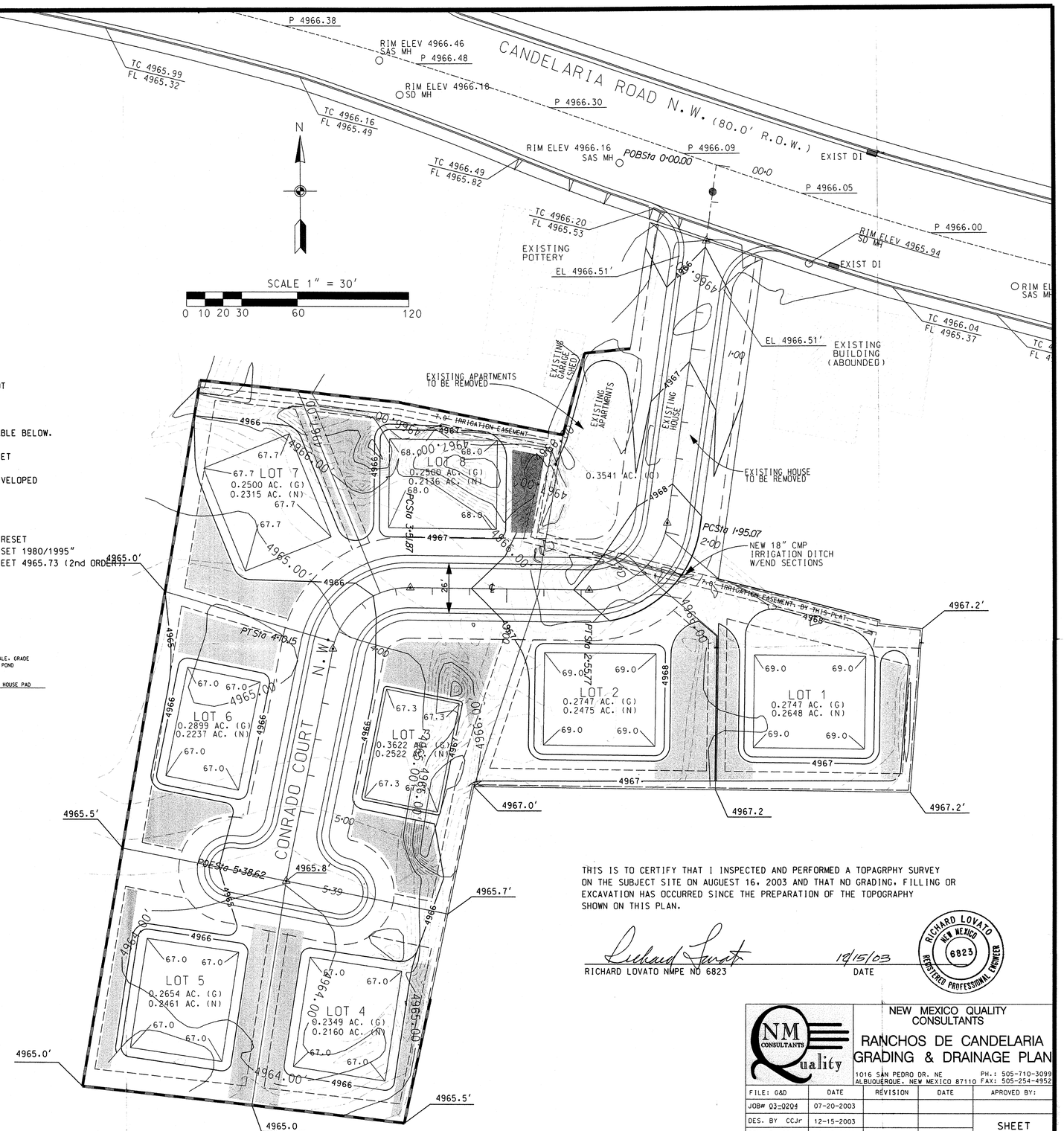
SCALE 1" = 30'
0 10 20 30 60 120

DRAINAGE NOTES

1. RUNOFF GENERATED ON SITE WILL BE RETAINED ON SITE IN INDIVIDUAL LOT RETENTION PONDS.
2. PONDING VOLUMES WERE CALCULATED USING COA DPM CHAPTER 22 METHODS FOR ZONE 2.
3. INDIVIDUAL LOTS TO BE GRADED TO PROVIDE PONDING VOLUMS SHOWN IN TABLE BELOW.
4. REQUIRED PONDING VOLUMS ARE 100 YR 24 HR STORM VOLUMES.
5. HOUSE PADS SHOWN ARE ONLY APPROXAMATE. GRADES SHOWN ESTABLISH STREET GRADES, BUILDING PAD ELEVATIONS AND GRADING AROUND PADS.
6. FINAL GRADING FOR DEVELOPMENT OF REQUIRED POND VOLUMES IS TO BE DEVELOPED WHEN FINAL BUILDING FOOTPRINT IS ESTABLISHED.
7. THERE IS NO OFF-SITE DRAINAGE AFFECTING THIS SITE.
8. THIS SITE IS IN ZONE X ACCORDING TO FEMA MAP.
9. TOPO SURVEY WAS PERFORMED BY NMQC ON AUGUST 16, 2003.
10. ELEVATIONS AND CONTOURS SHWON ARE BASED ON CONTROL STATION 6-G13A RESET THE STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED."6-G13A RESET 1980/1995" SET FLUSH WITH THE TOP OF CURB SPIRIT LEVEL ELEVATION (SLD 1929) FEET 4965.73 (2nd ORDER).



ROADWAY TYPICAL SECTION



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Richard Lovato 12/15/03
RICHARD LOVATO NMPE NO 6823 DATE

RICHARD LOVATO NEW MEXICO 6823 REGISTERED PROFESSIONAL ENGINEER

DESCRIPTION	LAND USE A	LAND USE B	LAND USE C	LAND USE D	TOTAL	PONDING VOLUME 6HR-100YR	PONDING VOLUME 24HR-100YR *	REMARKS
EXCESS PERCIPITATION (INCHES) ZONE 2	0.80	1.08	1.46	2.64				
LOT								
1	—	—	0.1959 AC	0.0788 AC	0.2747 AC	1,410 ft³	1,524 ft³	
2	—	—	0.1786 AC	0.0961 AC	0.2747 AC	1,476 ft³	1,616 ft³	
3	—	—	0.1971 AC	0.1651 AC	0.3622 AC	2,077 ft³	2,317 ft³	
4	—	—	0.1471 AC	0.0878 AC	0.2349 AC	1,278 ft³	1,405 ft³	
5	—	—	0.1772 AC	0.0882 AC	0.2654 AC	1,407 ft³	1,535 ft³	
6	—	—	0.1686 AC	0.1213 AC	0.2899 AC	1,620 ft³	1,796 ft³	
7	—	—	0.1626 AC	0.0874 AC	0.2500 AC	1,621 ft³	1,797 ft³	
8	—	—	0.1497 AC	0.1003 AC	0.2500 AC	1,388 ft³	1,534 ft³	
TRACT A	—	—	0.0945 AC	0.1321 AC	0.2266 AC	1,407 ft³	1,600 ft³	
TRACT B	—	—	0.0523 AC	0.0683 AC	0.1206 AC	419 ft³	518 ft³	
TOTAL AREAS	—	—	1.5236 AC	1.0254 AC	2.5490 AC			

NOTE:
LAND USE C COMPACTED SOIL AREA
LAND USE D BUILDING AREA/PAVEMENT
* REQUIRED PONDING VOLUME

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RECEIVED DEC 16 2003 HYDROLOGY SECTION