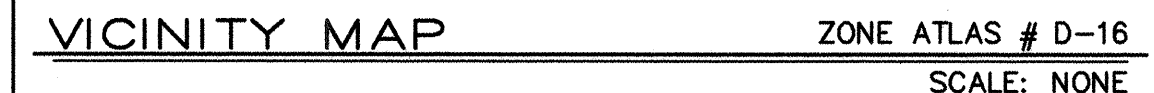


SCANNED BY
MESA REPRO



NOTICE TO CONTRACTORS

NOTICE TO CONTRACTORS

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
3. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR IN EXISTING OR NEW LOCATION AS INDICATED BY THIS SET.
7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
8. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

ASBUILT



APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Peter Chang
DATE 2/3/00

COA INSPECTOR: RUBEN ORTEGA

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2 - 3	PLAT
4	GRADING AND DRAINAGE PLAN
5	MASTER PAVING PLAN
6	PAVING IMPROVEMENTS - CASA ELENA & VILLA DEL VALLE
7	PAVING IMPROVEMENTS - CASA MARIA
8	PAVING IMPROVEMENTS - CASA TOMAS & VIA CHAMISA
9	PAVING IMPROVEMENTS - SANTA RITA & SANTA MARTHA
10	MASTER UTILITY PLAN
11	UTILITY IMPROVEMENTS - CASA ELENA & VILLA DEL VALLE
12	UTILITY IMPROVEMENTS - CASA MARIA
13	UTILITY IMPROVEMENTS - CASA TOMAS & VIA CHAMISA
14	UTILITY IMPROVEMENTS - SANTA RITA & SANTA MARTHA
15	STORM DRAIN IMPROVEMENTS - CASA TOMAS
16	TRAFFIC CONTROL
17	TRAFFIC CONTROL

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my direct supervision and that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief. Aldrich Land Surveying is not responsible for the design, design details, calculations, or any other information for the intent of the record drawings."

Timothy Aldrich, P.S. No. 7719

01-24-00
Date

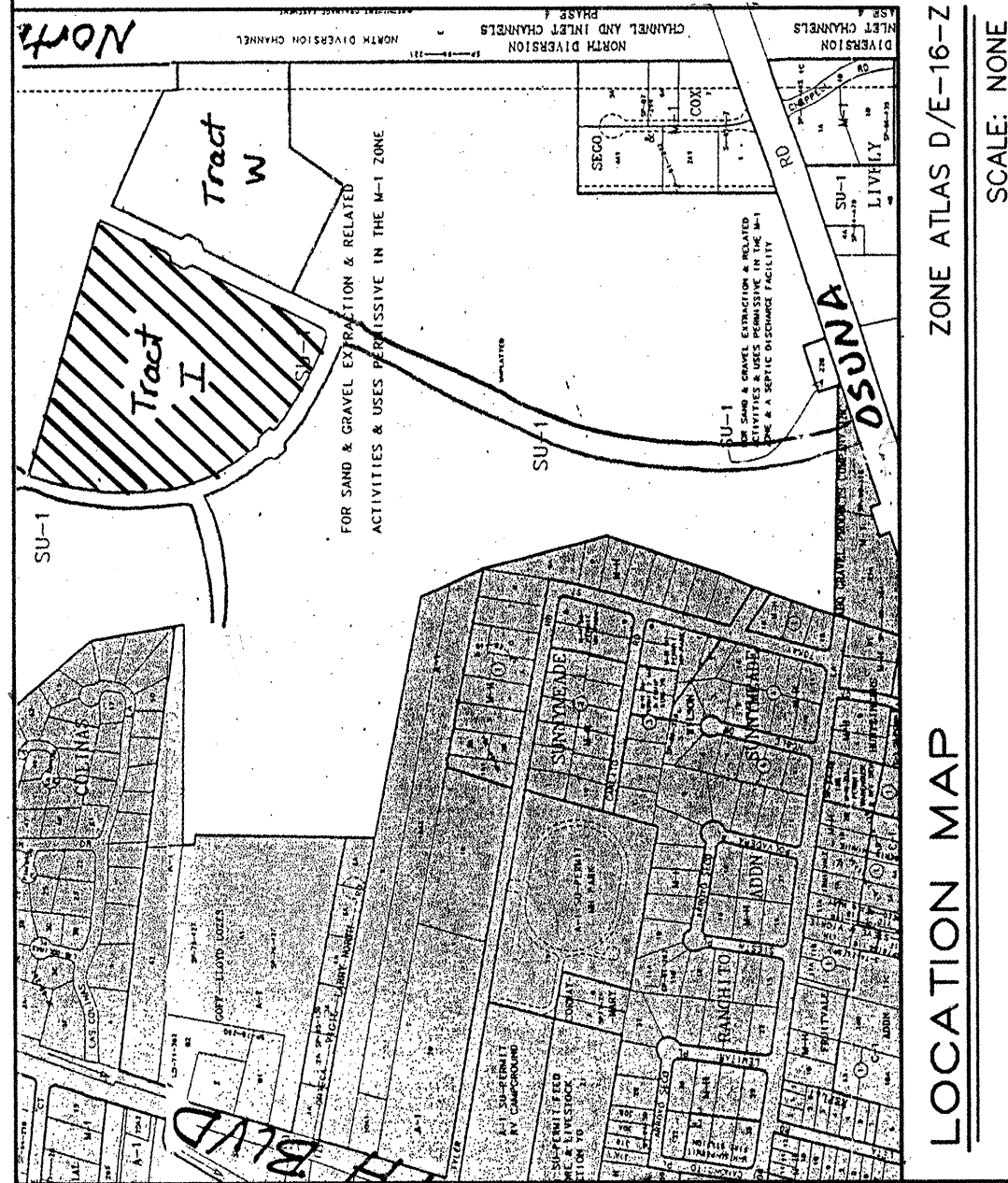
CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

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

[illegible]

DRB 98 - 241

8048LPDN\8048TITL\06-22-99\MJR DLH



LOCATION MAP ZONE ATLAS D/E-16-Z

PLAT CASE NOS.	DRB. 98-241.	S	V.
GROSS ACREAGE	18.9225 AC		
ZONE ATLAS NO.	D16/E16		
NO. OF EXISTING TRACTS/LOTS	1		
NO. OF TRACTS/LOTS CREATED	106		
NO. OF TRACTS/LOTS ELIMINATED	1		
MILES OF FULL WIDTH STREETS CREATED	0.6		
AREA DEDICATED TO CITY OF ALBUQUERQUE	3.7363 AC.		
DATE OF SURVEY	DECEMBER 1998		
UTILITY CONTROL LOCATION SYSTEM LOG NUMBER	99.051215170545 #		

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me or under my supervision, shows all easements as shown on the plat or record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility easements and requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico (Effective November 1, 1989 and revisions effective December 25, 1991 and February 2, 1994), and is true and correct to the best of my knowledge and belief."

DATE 05-12-99

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO } ss
COUNTY OF BERNALILLO }
This instrument was acknowledged before me on May 3, 1999
NOTARY PUBLIC
OFFICIAL SEAL
JERRY SUNDT
My Commission Expires 6-22-2001

SCANNED BY
MESA REPRO

LEGAL DESCRIPTION

SEE SHEET 2

NOTES

TRACT "A" IS FOR A 25 PUBLIC WATER AND DRAINAGE EASEMENT TO BE GRANTED TO THE CITY OF ALBUQUERQUE. TRACT "A" SHALL BE CONVEYED TO THE HOME OWNERS ASSOCIATION. THE LANDSCAPING SHALL BE MAINTAINED BY THE VISTA DEL NORTE HOMEOWNERS ASSOCIATION.

PURPOSE OF PLAT

1. TO SUBDIVIDE EXISTING TRACT I INTO 106 LOTS & 1 TRACT
2. TO DEDICATE NEW R/W AS SHOWN
3. TO GRANT NEW EASEMENTS AS SHOWN

FREE CONSENT AND DEDICATION

The subdivision hereon described is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate all streets and public right-of-ways shown hereon to the City of Albuquerque in fee simple with warranty covenants and do hereby grant, all access, utility and drainage easements shown hereon and all public utility easements shown hereon for the common and joint use of gas, electrical power and communication services for buried distribution lines, conduits, and pipes for underground utilities where shown or indicated, and including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs. Said owner(s) and/or proprietor(s) do hereby consent to all of the foregoing and do hereby certify that this subdivision is their free act and deed.

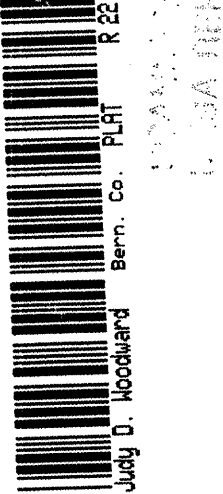
JERRY SUNDT
PRESIDENT, VISTA DEL NORTE LLC.

DATE

NUMBER	RADIUS	DELTA	LENGTH	CHORD D	CHORD L
C1	1066.00	0321.10"	62.38	S 2425.27" W	62.37
C2	25.00	90700.00"	39.27	S 7106.02" W	35.36
C3	25.00	90700.00"	39.27	N 1853.58" W	35.36
C4	30.00	90700.00"	47.12	S 7106.02" W	42.43
C5	799.00	1558.46"	222.84	N 5554.32" W	222.12
C6	25.00	9428.59"	41.23	S 0040.37" E	36.71
C7	25.00	9428.59"	41.23	N 8611.52" W	36.71
C8	799.00	5370.30"	739.91	N 1225.30" W	713.75
C9	75.00	90700.00"	17.81	S 7106.02" W	106.07
C10	75.00	4330.01"	58.91	S 4836.02" W	57.40
C11	75.00	4439.59"	58.90	N 8623.58" W	57.40
C12	669.00	7802.13"	107.78	N 2453.58" W	842.06
C13	669.00	3927.14"	238.82	S 5340.06" E	237.66
C14	669.00	5732.29"	671.87	N 1439.59" W	643.39
C15	75.00	9205.15"	120.54	N 6068.53" E	107.98
C16	75.00	4206.27"	59.05	S 3639.28" W	57.53
C17	75.00	4658.48"	61.50	N 8242.06" E	59.79
C18	75.00	9954.32"	130.78	N 2357.14" W	114.83
C19	75.00	5756.37"	67.99	N 4750.12" W	65.69
C20	75.00	4757.55"	62.79	S 0207.04" W	60.97
C21	25.00	90700.00"	39.27	S 7106.02" W	35.36
C22	98.00	9423.14"	7.50	N 2817.39" E	7.50
C23	98.00	0928.09"	16.20	S 3573.20" W	16.18
C24	25.00	4700.19"	20.51	S 1623.75" W	19.94
C25	40.00	2220.14"	15.59	N 4007.12" E	15.50
C26	40.00	3625.12"	25.43	S 3329.55" W	25.00
C27	40.00	3648.77"	25.69	N 7006.39" E	25.26
C28	40.00	6044.13"	42.40	N 6107.06" W	40.44
C29	25.00	2337.59"	10.31	N 4233.93" W	10.14
C30	25.00	3272.90"	10.30	N 6604.08" W	10.13
C31	98.00	1351.20"	23.70	N 7049.39" W	23.64
C32	692.00	0041.50"	8.42	S 6332.59" E	8.42
C33	692.00	0407.28"	48.61	N 6111.21" W	48.60
C34	692.00	0407.28"	48.61	N 5709.53" W	48.60
C35	692.00	0407.28"	48.61	N 5308.25" W	48.60
C36	692.00	0271.06"	34.44	N 4942.08" W	34.44
C37	25.00	8509.39"	37.16	S 8978.56" W	33.83
C38	799.00	0372.32"	44.75	S 4931.25" E	44.74
C39	799.00	0407.28"	56.12	S 5308.25" E	56.11
C40	799.00	0407.28"	56.12	S 5709.53" E	56.11
C41	799.00	0407.28"	56.12	N 6111.21" W	56.11
C42	25.00	8959.59"	39.27	N 1853.58" W	35.36
C43	98.00	1634.05"	28.34	N 1746.58" E	28.24
C44	25.00	3525.29"	15.46	N 2714.42" E	15.21
C45	25.00	1331.25"	5.90	S 5143.09" W	5.89
C46	40.00	5743.32"	40.30	N 2937.05" E	38.82
C47	40.00	3454.55"	24.38	S 1642.08" E	24.00
C48	40.00	5338.38"	37.45	N 6056.54" W	36.10
C49	40.00	1429.58"	10.06	S 8459.54" W	10.03
C50	25.00	4855.54"	21.36	S 3734.11" E	20.71
C51	98.00	1203.23"	20.68	N 5918.25" W	20.64
C52	98.00	0827.24"	14.46	N 6934.46" W	14.45
C53	98.00	1705.27"	29.23	S 8221.70" E	29.12
C54	25.00	1222.29"	5.40	N 8442.35" W	5.39
C55	25.00	4705.26"	12.35	N 6422.19" W	12.22
C56	40.00	2876.76"	32.88	N 7345.59" W	31.96
C57	40.00	6359.29"	44.67	S 5041.54" W	42.39
C58	40.00	3010.09"	20.98	S 0340.15" W	20.74
C59	25.00	4040.35"	17.75	N 0858.59" E	17.38
C60	98.00	0720.27"	12.56	N 2539.01" E	12.55
C61	98.00	0752.33"	13.47	S 1802.31" W	13.46
C62	692.00	0136.07"	19.35	N 1816.12" E	19.35
C63	692.00	0407.25"	48.60	S 1029.26" W	48.59
C64	692.00	0407.25"	48.60	N 0628.01" E	48.59

Prq.No 616081 Sht 2 of 17

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Page 4
05/12/99 04:23P
07/27/99 04:23P



SCANNED BY
MESA REPRO

PLAT FOR
LOS PRADOS DEL NORTE SUBDIVISION
WITHIN TRACT I
VISTA DEL NORTE UNIT 1
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22 AND 27
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MAY, 1999



PLAT FOR
LOS PRADOS DEL NORTE SUBDIVISION
WITHIN TRACT I
VILLA DEL NORTE SUBDIVISION
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22 AND 27
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MAY, 1999

LEGAL DESCRIPTION

A tract of land situate within the Elena Gallegos Grant, projected Sections 22 and 27, Township 11 North, Range 3 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico being all of TRACT I, VISTA DEL NORTE 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 March 16, 1999 in Book 98C, Page 57 and being more particularly described as follows:

BEGINNING at the northeast corner of the herein described tract, said point being on the west right-of-way line of Vista Del Norte Drive from whence the Albuquerque Control Survey Monument "NAA-8" bears S 71°47'48" E, 764.10 feet;

THENCE 62.38 feet along a curve to the right, whose radius is 1066.00 feet through a central angle of 0321°11' and whose chord bears S 2425°27' W, 62.37 feet to a point of tangency;

THENCE S 26°06'02" W, 271.60 feet to a point of curvature;

THENCE 39.27 feet along a curve to the right, whose radius is 25.00 feet through a central angle of 90°00'00" and whose chord bears S 71°06'02" W, 35.36 feet to a point on tangent;

THENCE S 26°06'02" W, 71.00 feet to a point on curve;

THENCE 39.27 feet along a curve to the right, whose radius is 25.00 feet through a central angle of 90°00'00" and whose chord bears S 18°53'58" E, 35.36 feet to a point on tangent;

THENCE S 26°06'02" W, 552.50 feet to a point of curvature;

THENCE 47.12 feet along a curve to the right, whose radius is 30.00 feet through a central angle of 90°00'00" and whose chord bears S 71°06'02" W, 42.43 feet to a point of tangency;

THENCE N 63°53'58" W, 186.03 feet to a point of curvature;

THENCE 222.83 feet along a curve to the right, whose radius is 799.00 feet through a central angle of 15°58'44" and whose chord bears N 35°54'36" W, 222.11 feet to a point of compound curvature;

THENCE 41.23 feet along a curve to the right, whose radius is 25.00 feet through a central angle of 94°28'59" and whose chord bears N 00°40'44" W, 36.71 feet to a point on tangent;

THENCE N 43°26'14" W, 71.00 feet to a point on curve;

THENCE 41.23 feet along a curve to the right, whose radius is 25.00 feet through a central angle of 94°28'59" and whose chord bears N 86°11'45" W, 36.71 feet to a point of compound curvature;

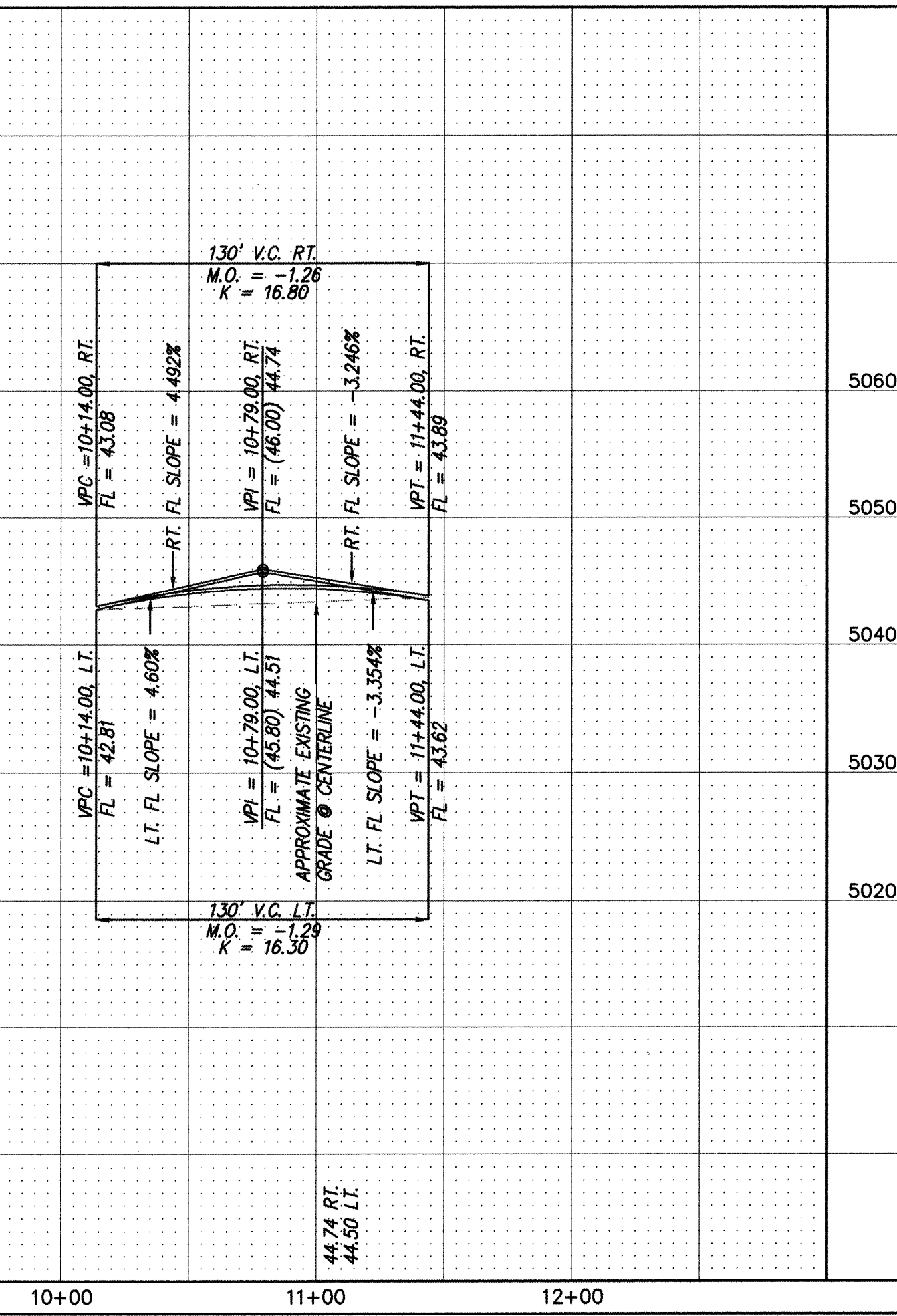
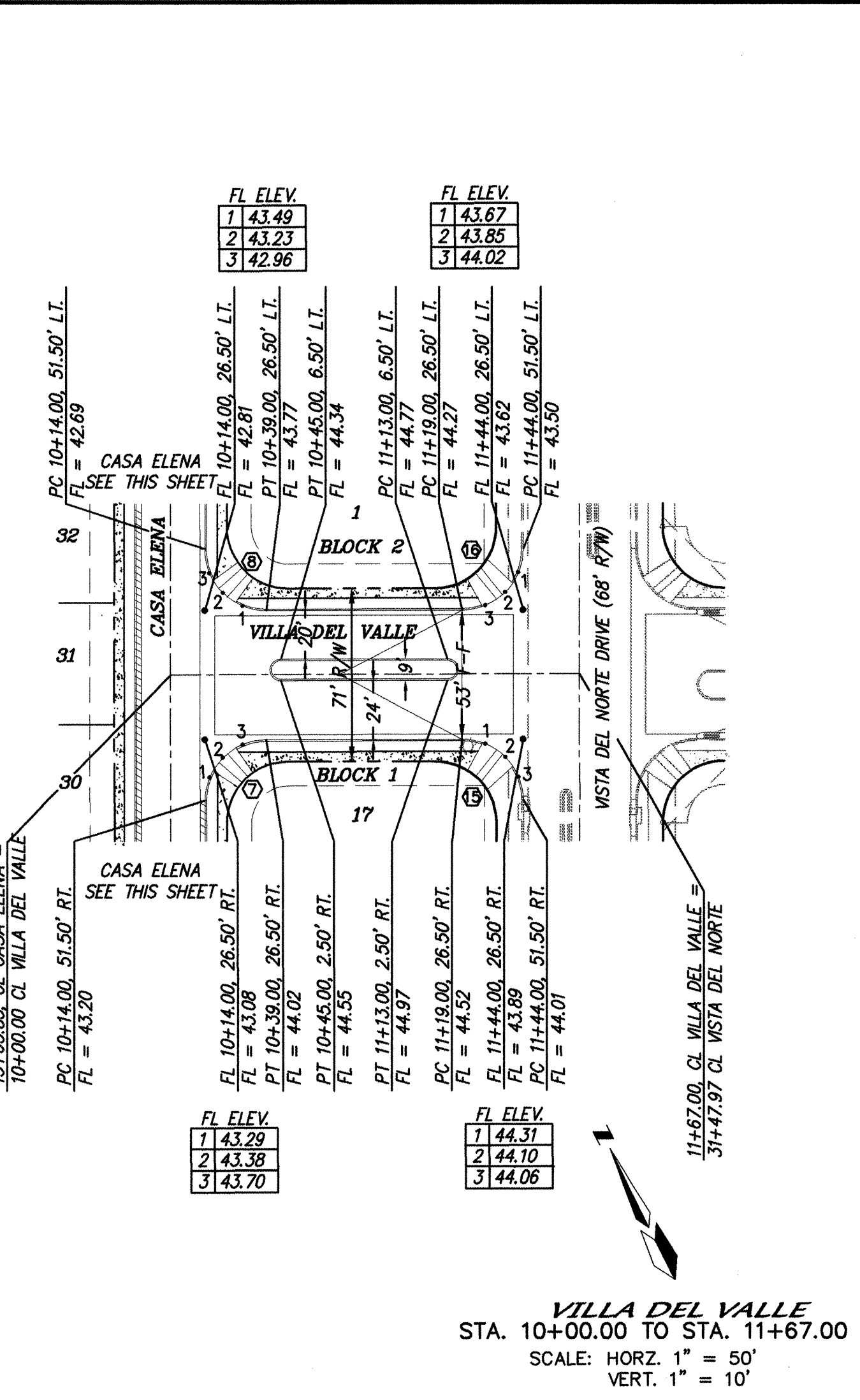
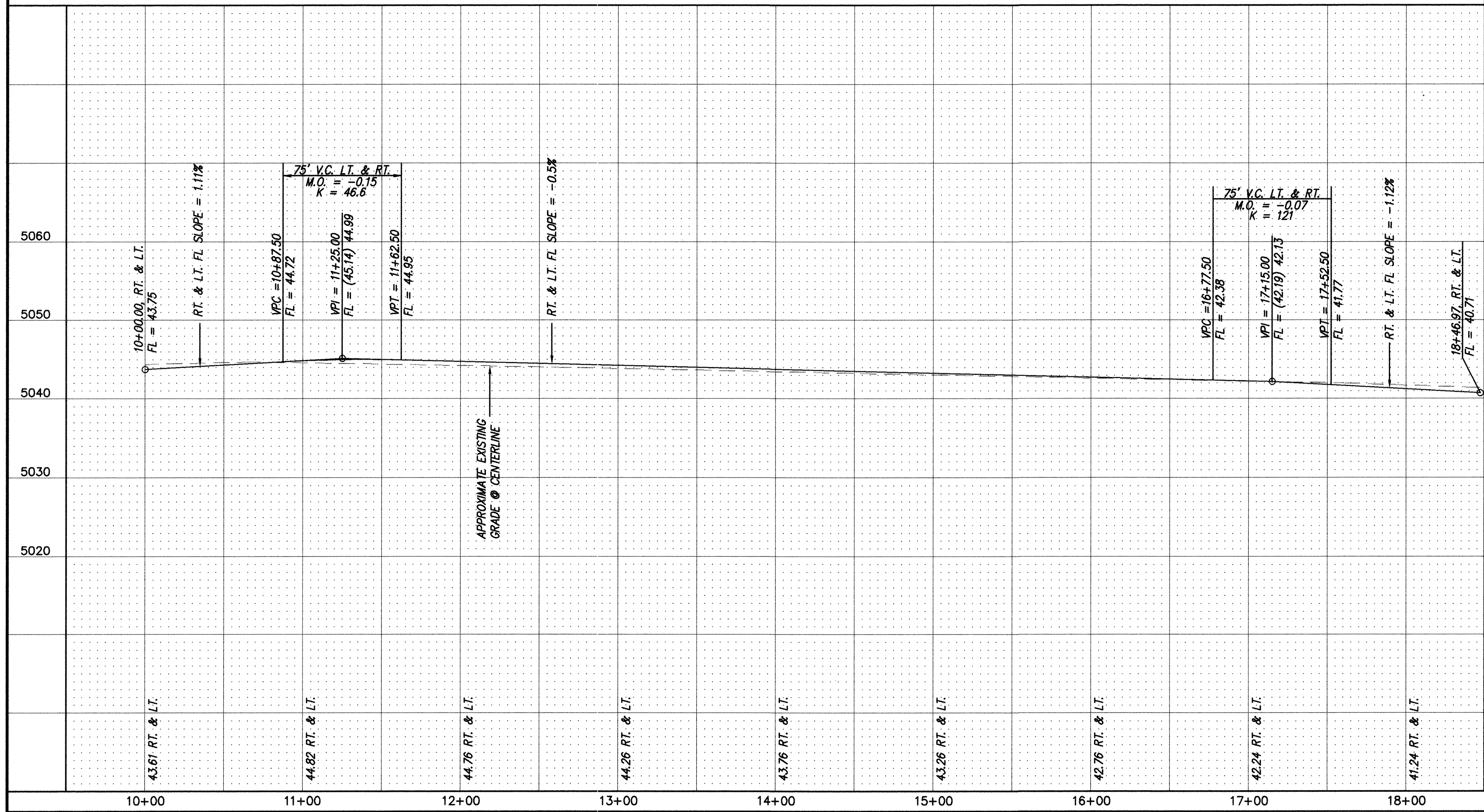
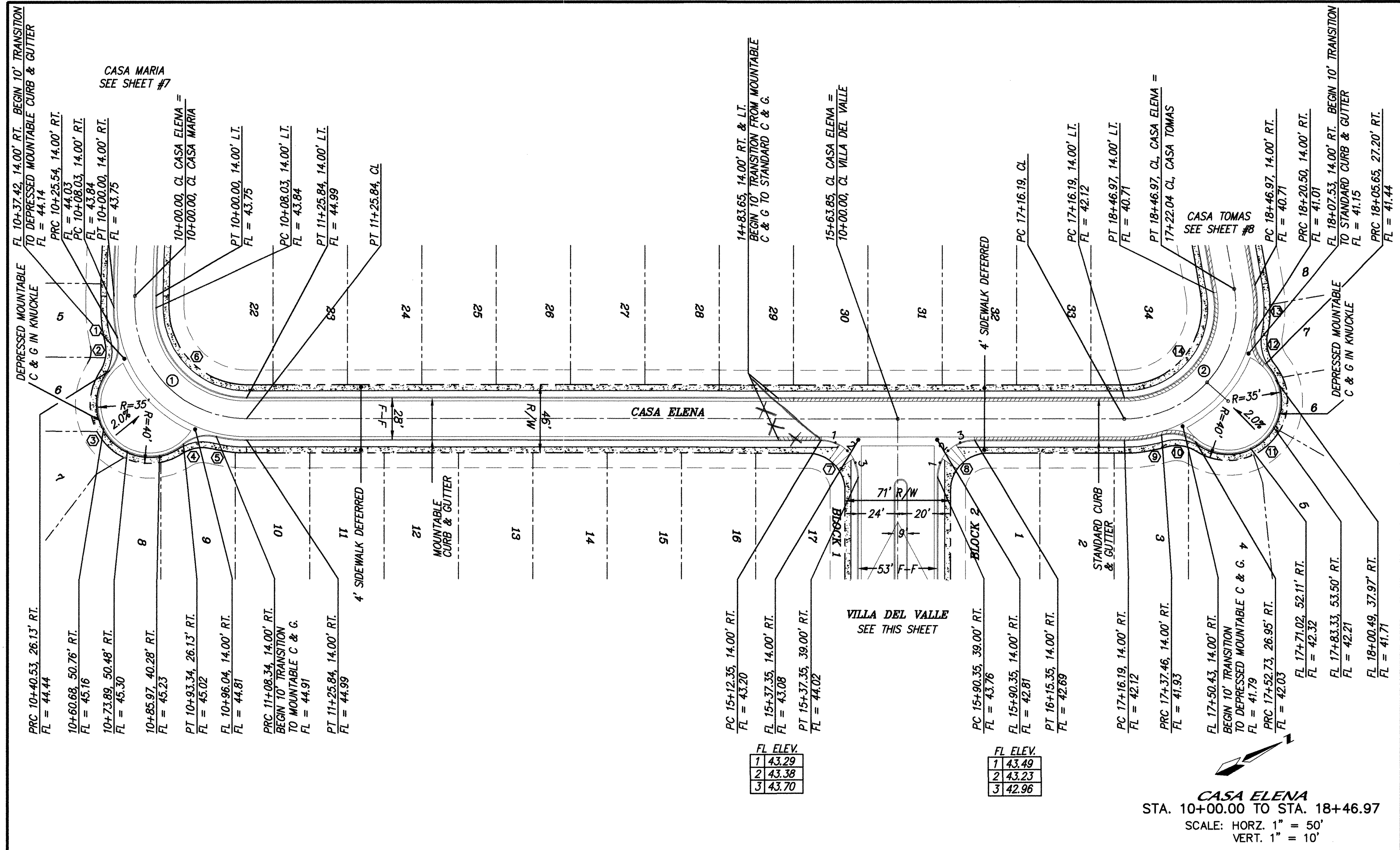
THENCE 739.91 feet along a curve to the right, whose radius is 799.00 feet through a central angle of 53°03'30" and whose chord bears N 12°25'30" W, 713.75 feet to a point of tangency;

THENCE N 14°06'15" E, 227.28 feet to the northwest corner;

THENCE S 73°48'30" E, 1058.79 feet to the point of beginning and containing 18.9225 acres more or less.

NUMBER	DIRECTION	DISTANCE
L1	N 1853.57" W	16.92'
L2	S 6353.58" E	8.03'
L3	N 1406.15" E	16.67'
L4	S 3927.08" E	10.01'
L5	S 8229.07" W	19.00'
L6	S 6353.58" E	18.00'
L7	N 2808.02" E	3.45'

SCANNED BY
MESA REPRO



NOTES

1. ALL 4' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421 AT KNUCKLES AND 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420 AT ALL INTERSECTIONS.

2. ALL 4' INTERIOR SIDEWALKS ARE DEFERRED.

3. ALL HANDICAP RAMPS TO BE CASE II PER CITY OF ALBUQUERQUE STANDARD DRAWING 2441. WHERE GRADES DO NOT PERMIT A MAXIMUM SLOPE OF 12:1 TO BE MAINTAINED WITHIN THE 7' LENGTH AS SPECIFIED, THEN THE LENGTH AS SHOWN IN DRAWING 2441 MUST BE INCREASED TO MAINTAIN A SLOPE < 12:1.

4. TRANSITION FROM MOUNTAIN CUB TO STANDARD CUB SHALL BE WITHIN 10' SECTION.

5. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50'; PER CITY OF ALBUQUERQUE STANDARD DRAWING 2401.

CURVE DATA - DESCRIBES FACE OF CURB

1	A = 13'22'32"	2	A = 53'27'13"	3	A = 170'09'35"
R = 88.00'	R = 25.00'	R = 35.00'			
L = 20.78'	L = 23.32'	L = 103.94'			
T = 10.44'	T = 12.59'	T = 406.58'			
4	A = 53'27'13"	5	A = 13'22'32"	6	A = 90'00'09"
R = 25.00'	R = 88.00'	R = 61.00'			
L = 23.32'	L = 20.78'	L = 95.82'			
T = 12.59'	T = 10.44'	T = 61.00'			
7	A = 90'00'00"	8	A = 90'00'00"	9	A = 16'14'58"
R = 25.00'	R = 25.00'	R = 88.00'			
L = 39.27'	L = 39.27'	L = 25.24'			
T = 25.00'	T = 25.00'	T = 12.71'			
10	A = 55'31'34"	11	A = 174'29'02"	12	A = 55'31'34"
R = 25.00'	R = 35.00'	R = 25.00'			
L = 24.23'	L = 106.59'	L = 24.23'			
T = 13.16'	T = 726.54'	T = 13.16'			
13	A = 20'13'40"	14	A = 99'54'32"	15	A = 90'00'00"
R = 88.00'	R = 61.00'	R = 25.00'			
L = 31.42'	L = 106.37'	L = 39.27'			
T = 15.88'	T = 72.58'	T = 25.00'			
16	A = 90'00'00"				
R = 25.00'					
L = 39.27'					
T = 25.00'					

CURVE DATA - DESCRIBES CENTERLINE

1	A = 90'00'09"	2	A = 99'54'32"
R = 75.00'	R = 75.00'		
L = 117.81'	L = 130.78'		
T = 75.00'	T = 89.24'		

ASBUILT

ROBERT C. SPEAKE
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
12367
6/23/99

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
ENGINEERING DEVELOPMENT GROUP

TITLE: LOS PRADOS DEL NORTE SUBDIVISION
PAVING IMPROVEMENTS
CASA ELENA & VILLA DEL VALLE

APPROVED
SEP 7 1999
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

MO./DAY/YR.
MO./DAY/YR.

CONTRACTOR: SUNDT
WORK: SUNDT
STARTED BY: SUNDT
DATE: 9/99
INSPECTOR'S FIELD: SUNDT
DATE: 9/99
FIELD: SUNDT
DATE: 9/99
CORRECTED BY: SUNDT
DATE: 9/99
RECORDED BY: SUNDT
DATE: 9/99
NO. 99

ACS MONUMENT "MAA-8"
Y = 1513713.15 X = 393026.61 G-G = 0.99967012
DELTA ALPHA = -0072'16" (CENTRAL ZONE) (NAD 1927/SLD 1929)
ELEVATION = 5075.60

ACS MONUMENT "MAA-9"
Y = 1518711.30 X = 394134.18 G-G = 0.99967037
DELTA ALPHA = -0072'15" (CENTRAL ZONE) (NAD 1927/SLD 1929)
ELEVATION = 5069.27

NO. DATE BY

REMARKS

DESIGNED BY: DLH DATE: 5-99

DRAWN BY: MJK DATE: 5-99

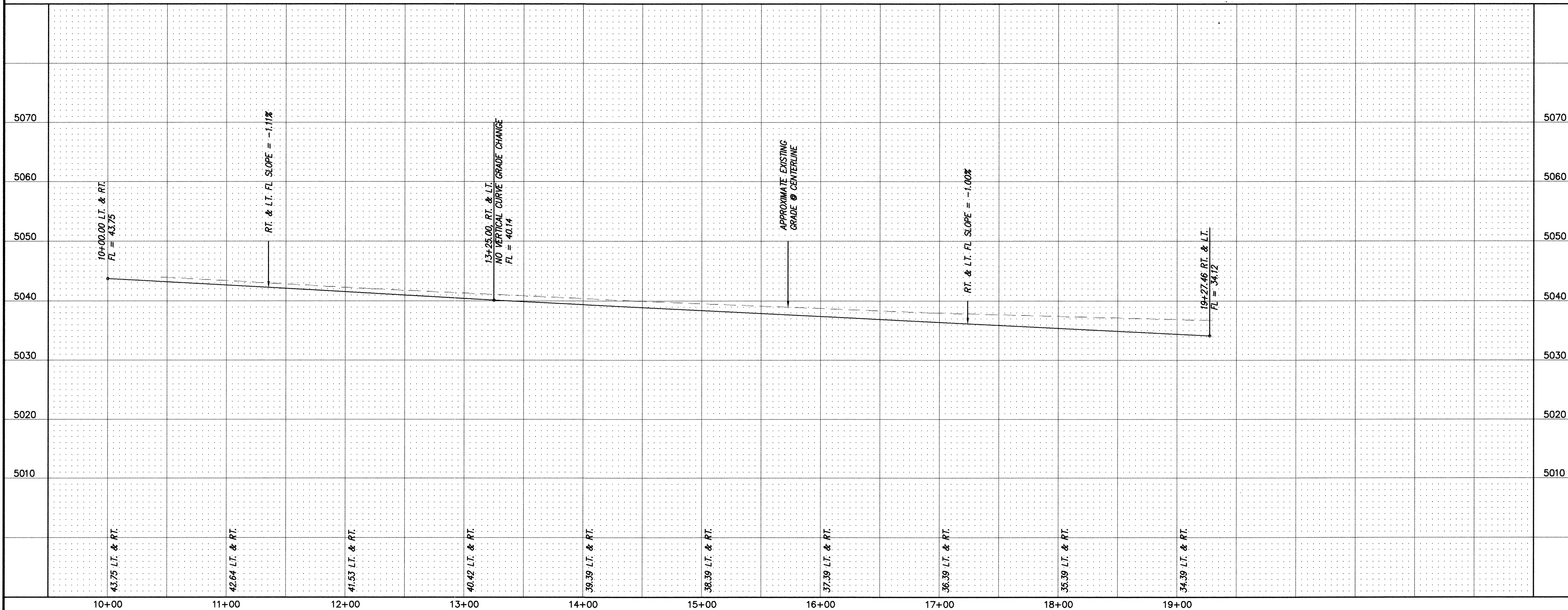
CHECKED BY: DMG DATE: 5-99

CITY PROJECT NO. 616081

ZONE MAP NO. D-16

SHEET 6 OF 17

SCANNED BY
MESA REPRO



NOTES

1. ALL 4' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421 AT KNUCKLES AND 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420 AT ALL INTERSECTIONS.
2. ALL 4' INTERIOR SIDEWALKS ARE DEFERRED.
3. ALL HANDICAP RAMPS TO BE CASE II PER CITY OF ALBUQUERQUE STANDARD DRAWING 2441. WHERE GRADES DO NOT PERMIT A MAXIMUM SLOPE OF 12:1 TO BE MAINTAINED WITHIN THE 7' LENGTH AS SPECIFIED, THEN THE "T" LENGTH AS SHOWN IN DRAWING 2441 MUST BE INCREASED TO MAINTAIN A SLOPE < 12:1.
4. TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE WITHIN 10' SECTION.
5. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50', PER CITY OF ALBUQUERQUE STANDARD DRAWING 2401.

CURVE DATA - DESCRIBES FACE OF CURB

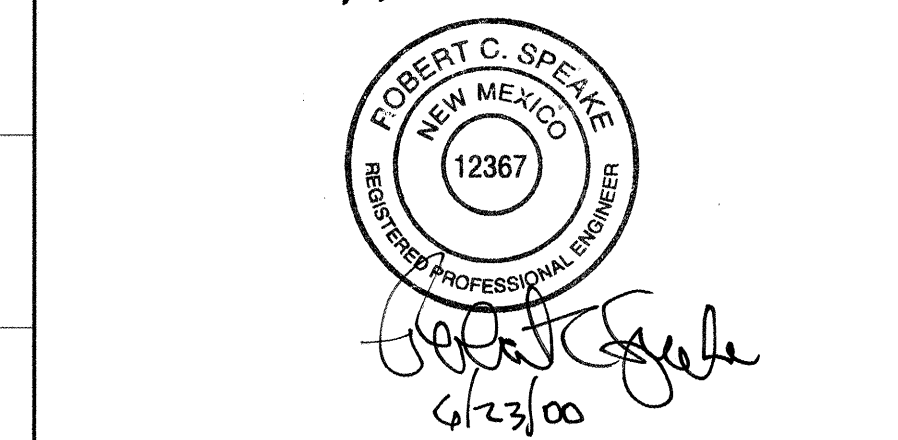
① $\Delta = 1817'22''$ $R = 683.00'$ $L = 194.20'$ $T = 97.76'$	② $\Delta = 78'00'13''$ $R = 683.00'$ $L = 891.73'$ $T = 530.44'$	③ $\Delta = 85'49'47''$ $R = 25.00'$ $L = 37.45'$ $T = 23.24'$
④ $\Delta = 85'49'43''$ $R = 25.00'$ $L = 37.45'$ $T = 23.24'$	⑤ $\Delta = 53'22'12''$ $R = 683.00'$ $L = 636.20'$ $T = 343.29'$	

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta = 78'00'13''$ $R = 683.00'$ $L = 891.73'$ $T = 541.78'$
--

CASA MARIA
STA. 10+00.00 TO STA. 19+27.46
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'

ASBUILT



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CONSULTING ENGINEERS
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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

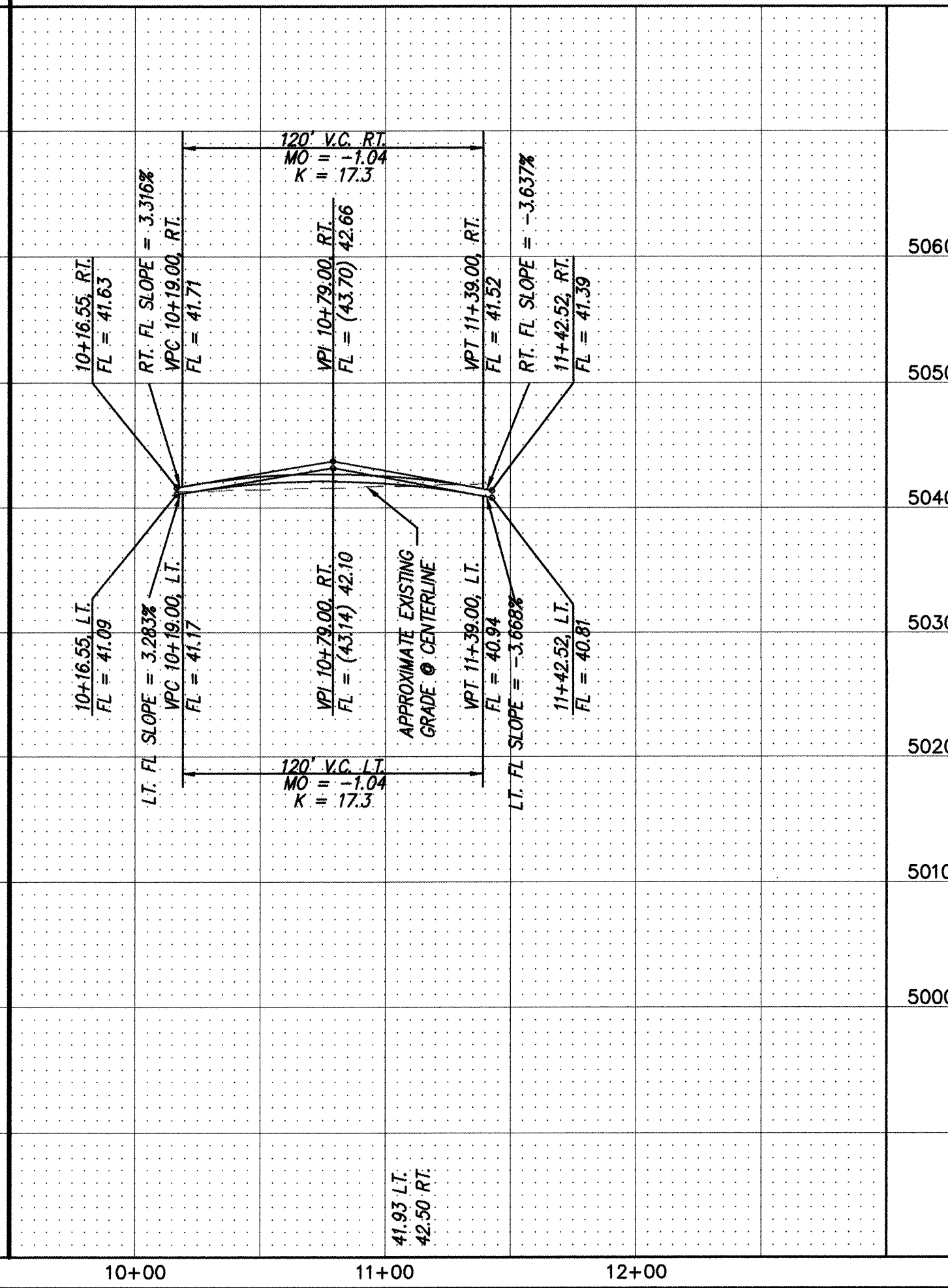
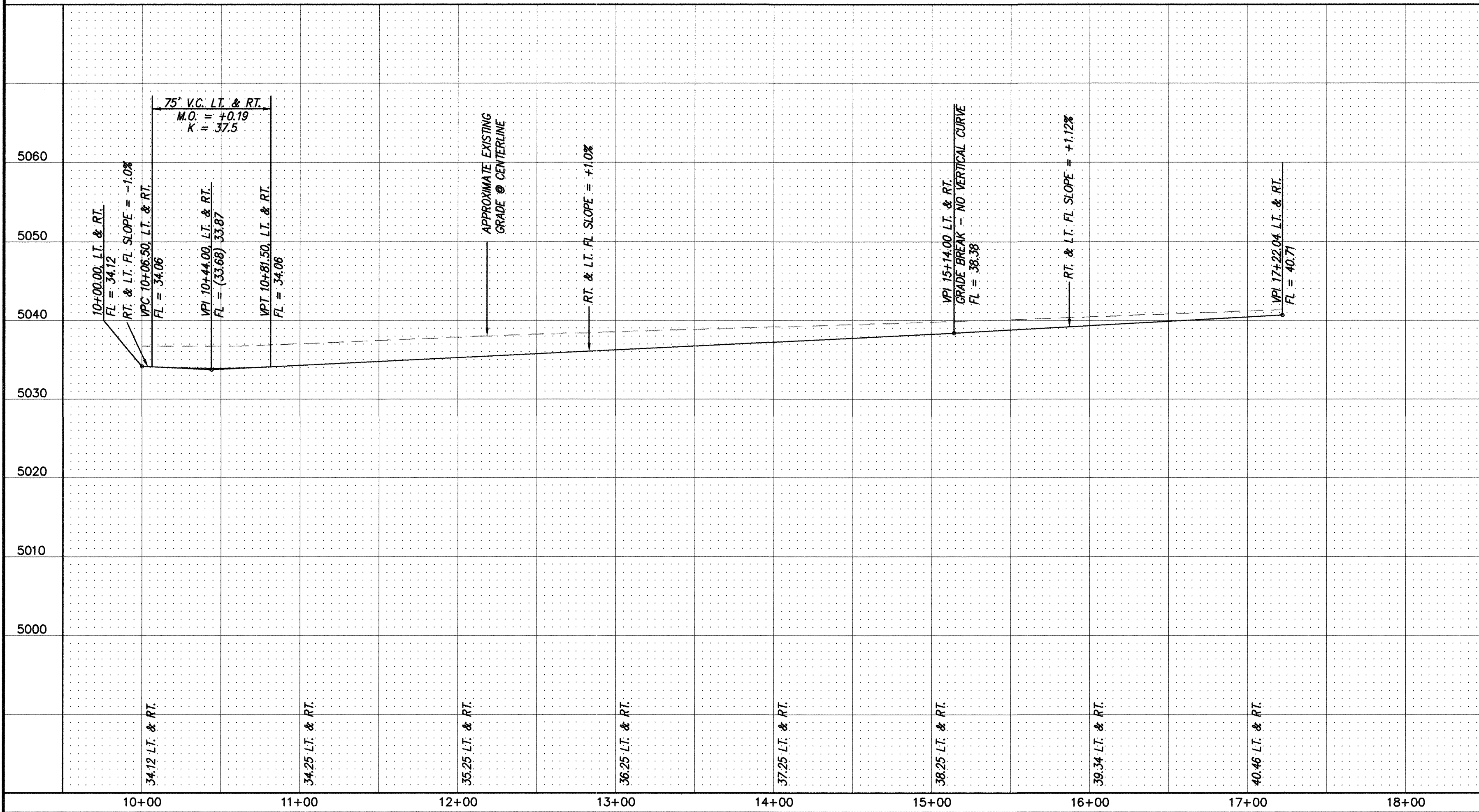
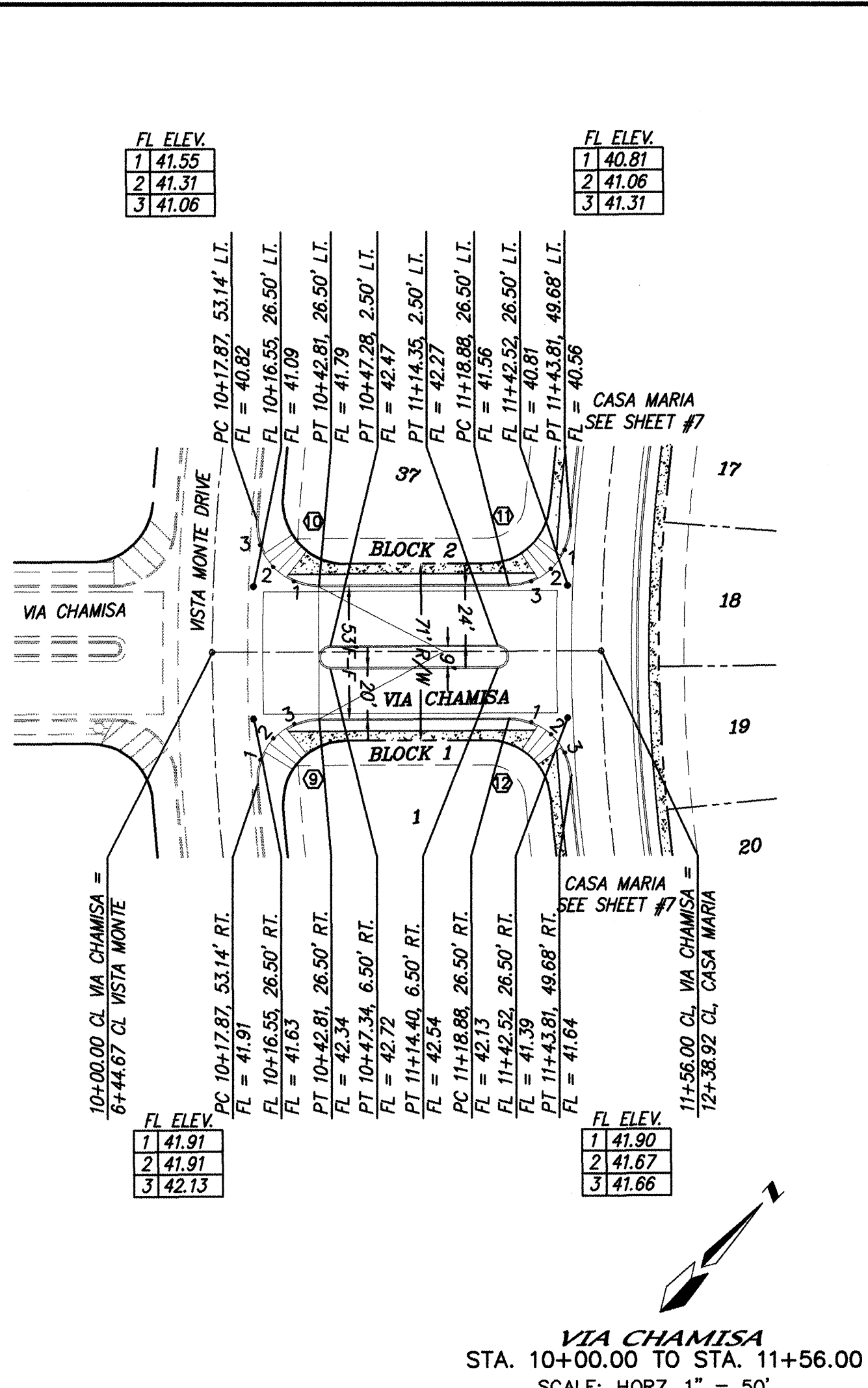
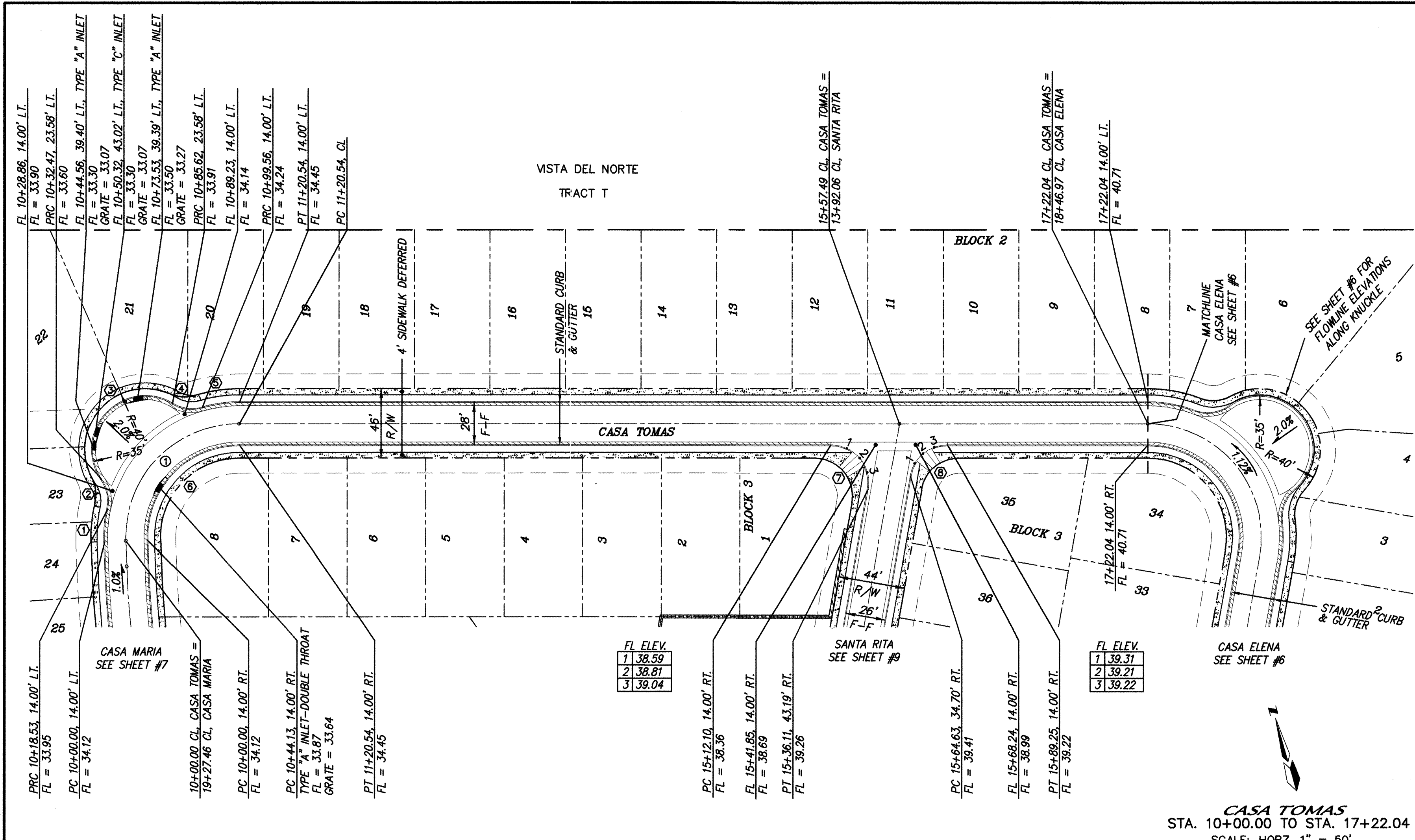
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
LOS PRADOS DEL NORTE SUBDIVISION
PAVING IMPROVEMENTS
CASA MARIA

APPROVED SEP 7 1999 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
LAST DESIGN UPDATE			

CITY PROJECT NO. 616081
ZONE MAP NO. D-16
SHEET 7 OF 17

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		
CONTRACTOR	SLU/DT	ACS MONUMENT	"NAA-8"	FIELD NOTES	NO.		DESIGNED BY DLH DATE 5-99	
WORKED BY	ALS	DATE	99	DATE	99			REMARKS
INSPECTOR'S ACCEPTANCE BY	HMS	DATE	99	DATE	99			
VERIFICATION BY	ALS	DATE	00	DATE	00			CHECKED BY DMG DATE 5-99
DRAWINGS CORRECTED BY	ALS	DATE	00	DATE	00			
MICRO-FILM INFORMATION		RECORDED BY		DATE				
		NO.						

SCANNED BY
MESA REPRO



NOTES

1. ALL 4' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421 AT KNUCKLES AND 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420 AT ALL INTERSECTIONS.
2. ALL 4' INTERIOR SIDEWALKS ARE DEFERRED.
3. ALL HANDICAP RAMPS TO BE CASE II PER CITY OF ALBUQUERQUE STANDARD DRAWING 2441. WHERE GRADES DO NOT PERMIT A MAXIMUM SLOPE OF 12:1 TO BE MAINTAINED WITHIN THE 7' LENGTH AS SPECIFIED, THEN THE "T" LENGTH AS SHOWN IN DRAWING 2441 MUST BE INCREASED TO MAINTAIN A SLOPE < 12:1.
4. TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE WITHIN 10' SECTION.
5. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50', PER CITY OF ALBUQUERQUE STANDARD DRAWING 2401.

CURVE DATA - DESCRIBES FACE OF CURB			
① Δ = 14°09'28"	② Δ = 46°46'31"	③ Δ = 155°27'00"	
R = 89.00'	R = 25.00'	R = 35.00'	
L = 21.99'	L = 20.41'	L = 94.96'	
T = 11.03'	T = 10.81'	T = 180.86'	
④ Δ = 46°46'31"	⑤ Δ = 16°01'30"	⑥ Δ = 92°05'15"	
R = 25.00'	R = 89.00'	R = 61.00'	
L = 20.41'	L = 24.90'	L = 38.04'	
T = 10.81'	T = 12.53'	T = 63.26'	
⑦ Δ = 89°54'32"	⑧ Δ = 80°05'28"	⑨ Δ = 93°46'18"	
R = 25.00'	R = 25.00'	R = 25.00'	
L = 43.59'	L = 34.95'	L = 40.92'	
T = 29.75'	T = 21.01'	T = 26.70'	
⑩ Δ = 93°45'40"	⑪ Δ = 89°49'43"	⑫ Δ = 85°49'47"	
R = 25.00'	R = 25.00'	R = 25.00'	
L = 40.91'	L = 37.45'	L = 37.45'	
T = 26.70'	T = 23.24'	T = 23.24'	

CURVE DATA - DESCRIBES CENTERLINE			
① Δ = 92°05'15"			
R = 75.00'			
L = 120.54'			
T = 77.88'			

CURVE DATA - DESCRIBES FACE OF CURB			
① Δ = 14°09'28"	② Δ = 46°46'31"	③ Δ = 155°27'00"	
R = 89.00'	R = 25.00'	R = 35.00'	
L = 21.99'	L = 20.41'	L = 94.96'	
T = 11.03'	T = 10.81'	T = 180.86'	
④ Δ = 46°46'31"	⑤ Δ = 16°01'30"	⑥ Δ = 92°05'15"	
R = 25.00'	R = 89.00'	R = 61.00'	
L = 20.41'	L = 24.90'	L = 38.04'	
T = 10.81'	T = 12.53'	T = 63.26'	
⑦ Δ = 89°54'32"	⑧ Δ = 80°05'28"	⑨ Δ = 93°46'18"	
R = 25.00'	R = 25.00'	R = 25.00'	
L = 43.59'	L = 34.95'	L = 40.92'	
T = 29.75'	T = 21.01'	T = 26.70'	
⑩ Δ = 93°45'40"	⑪ Δ = 89°49'43"	⑫ Δ = 85°49'47"	
R = 25.00'	R = 25.00'	R = 25.00'	
L = 40.91'	L = 37.45'	L = 37.45'	
T = 26.70'	T = 23.24'	T = 23.24'	

CURVE DATA - DESCRIBES CENTERLINE			
① Δ = 92°05'15"			
R = 75.00'			
L = 120.54'			
T = 77.88'			

ASBUILT



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
LOS PRADOS DEL NORTE SUBDIVISION
PAVING IMPROVEMENTS
CASA TOMAS & VIA CHAMISA

APPROVED
SEP 7 1999
DESIGN REVIEW COMMITTEE

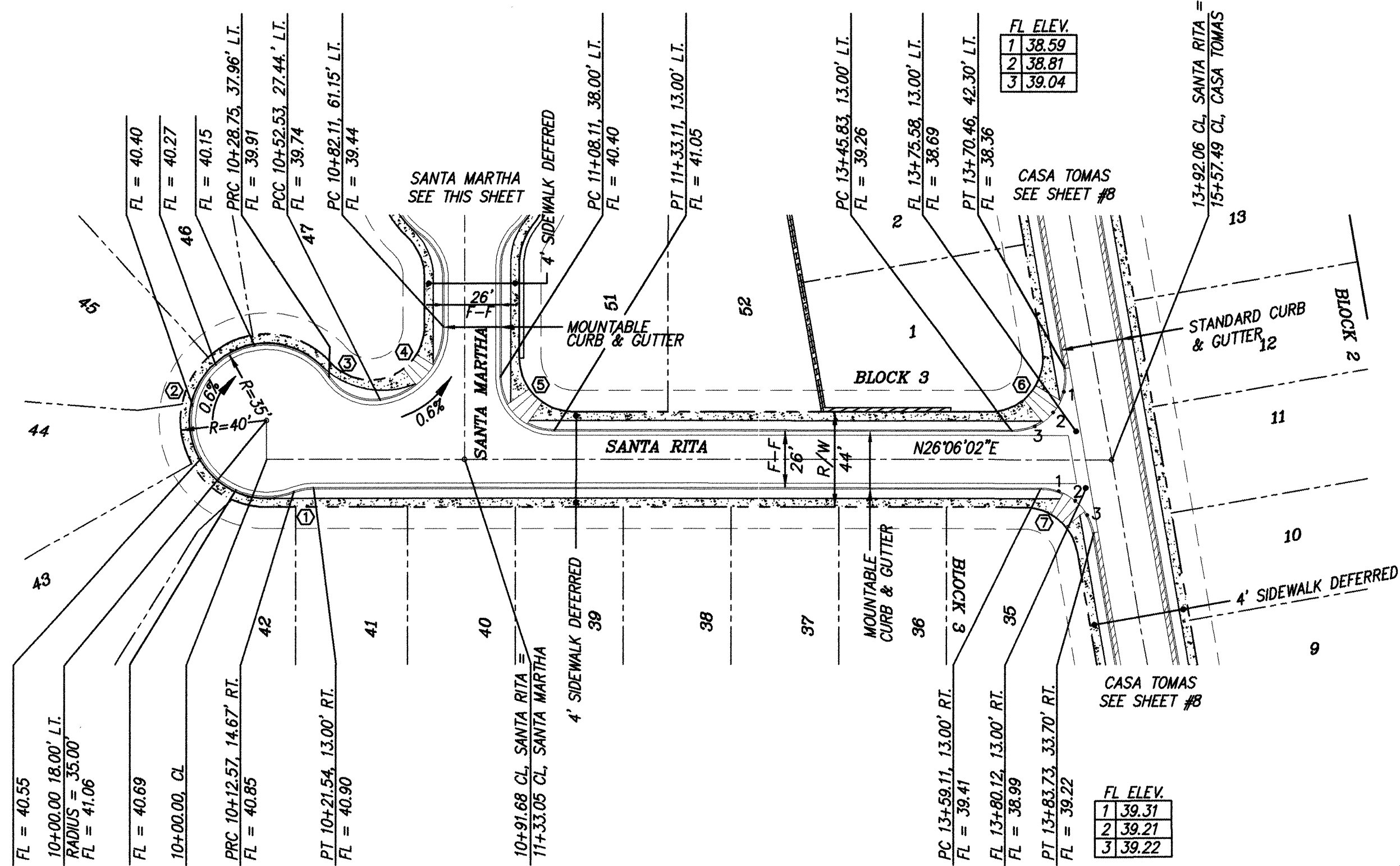
CITY PROJECT NO. 616081

ZONE MAP NO. D-16

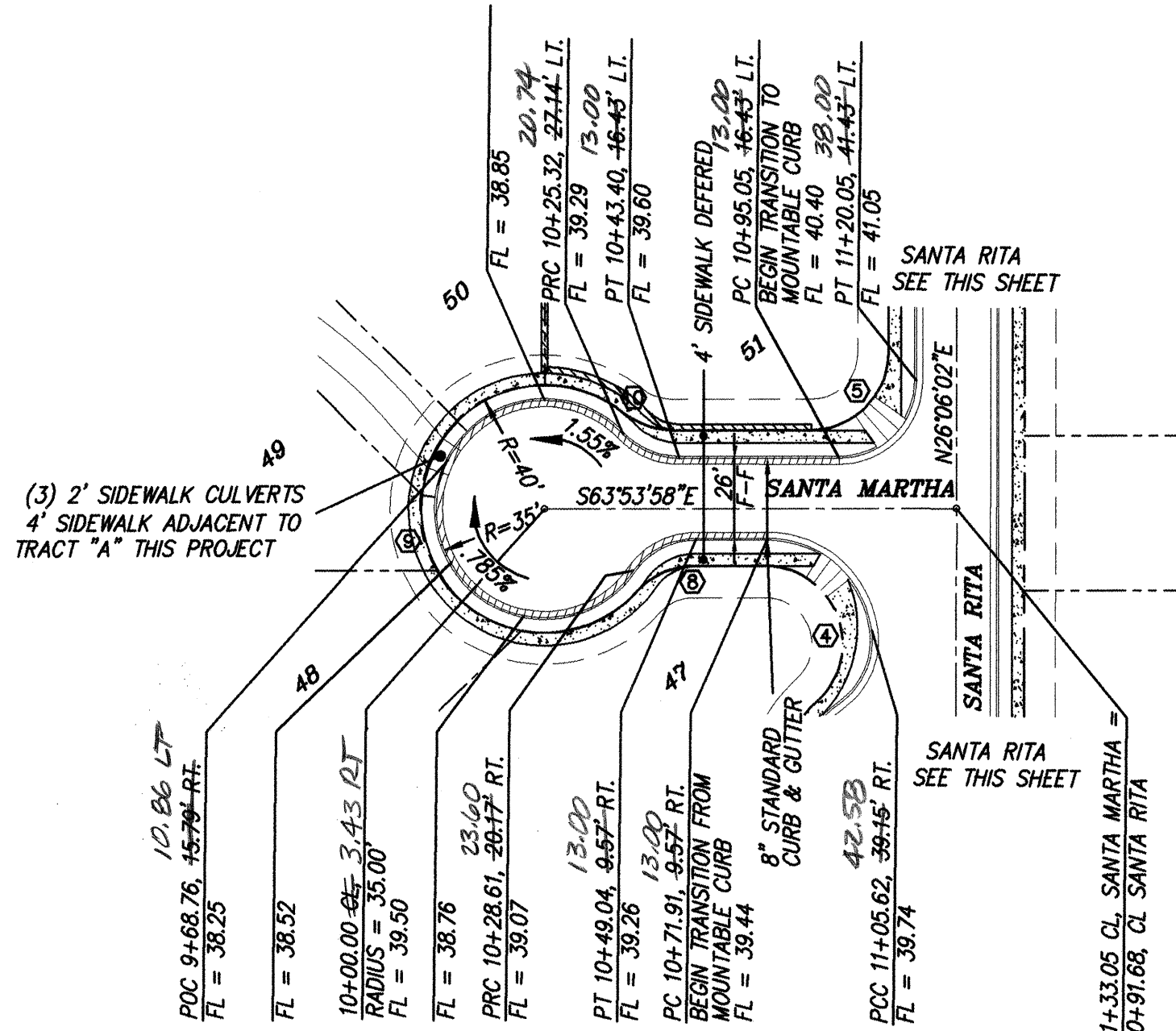
SHEET 8 OF 17

AS BUILT INFORMATION			
CONTRACTOR	WORK	DATE	DATE
STAKED BY	INSPECTED BY	DATE	DATE
FIELD	FIELD	DATE	DATE
DRAWN BY	CHECKED BY	DATE	DATE
RECORDED BY	NO.		
BENCH MARKS			
ACS MONUMENT "AAA-8"	Y = 1513713.15	X = 393902.61	G-G = 0.99967012
DELTA ALPHA = -0072'16"	(CENTRAL ZONE) (NAD 1927/SLD 1929)		
ELEVATION = 5075.60			
SURVEY INFORMATION			
FIELD NOTES	DATE	BY	NO.
NO.			
ENGINEER'S SEAL			
NO.	DATE	REMARKS	BY
DESIGNED BY	DATE	5-99	
DRAWN BY	DATE	5-99	
CHECKED BY	DATE	5-99	

SCANNED BY
MESA REPRO



SANTA RITA
STA. 10+00.00 TO STA. 13+92.06
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



SANTA MARTHA
STA. 10+00.00 TO STA. 11+33.05
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL 4' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421 AT KNUCKLES AND 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420 AT ALL INTERSECTIONS.
2. ALL 4' INTERIOR SIDEWALKS ARE DEFERRED.
3. ALL HANDICAP RAMPS TO BE CASE II PER CITY OF ALBUQUERQUE STANDARD DRAWING 2441. WHERE GRADES DO NOT PERMIT A MAXIMUM SLOPE OF 12:1 TO BE MAINTAINED WITHIN THE 7' LENGTH AS SPECIFIED, THEN THE 7' LENGTH AS SHOWN IN DRAWING 2441 MUST BE INCREASED TO MAINTAIN A SLOPE < 12:1.
4. TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE WITHIN 10' SECTION.
5. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50', PER CITY OF ALBUQUERQUE STANDARD DRAWING 2401.

CURVE DATA - DESCRIBES FACE OF CURB

① Δ = 21°02'22" R = 25.00' L = 9.18' T = 4.64'	② Δ = 256°15'43" R = 35.00' L = 156.54' T = N/A	③ Δ = 62°41'49" R = 25.00' L = 27.36' T = 15.23'
④ Δ = 82°31'31" R = 34.00' L = 48.97' T = 29.83'	⑤ Δ = 90°00'00" R = 25.00' L = 39.27' T = 25.00'	⑥ Δ = 99°54'32" R = 25.00' L = 43.59' T = 29.75'
⑦ Δ = 60°05'28" R = 25.00' L = 34.95' T = 21.01'	⑧ Δ = 54°49'02" R = 25.00' L = 23.92' T = 12.96'	⑨ Δ = 281°08'57" R = 35.00' L = 171.74' T = N/A
⑩ Δ = 46°19'54" R = 25.00' L = 20.22' T = 10.70'		

ASBUILT



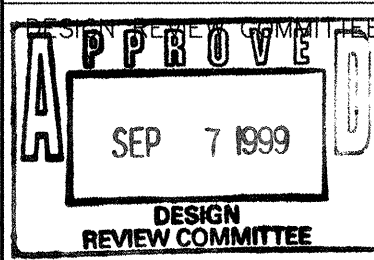
6/23/00



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
LOS PRADOS DEL NORTE SUBDIVISION
PAVING IMPROVEMENTS
SANTA RITA & SANTA MARTHA



CITY ENGINEER APPROVAL

CITY PROJECT NO.

616081

ZONE MAP NO.

D-16

SHEET

OF

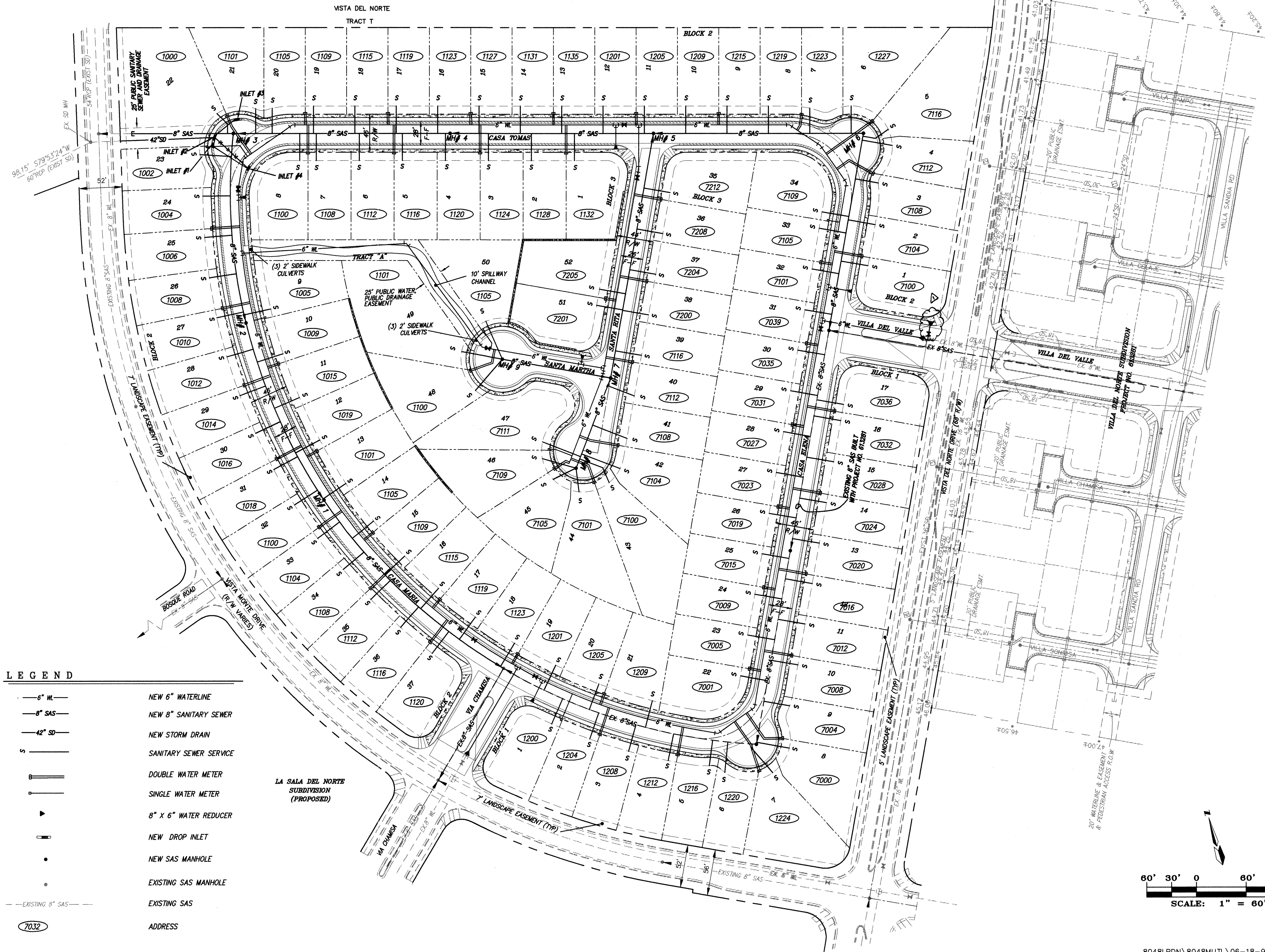
9

17

SCANNED BY
MESA REPRO

LEGEND

- 6" WL NEW 6" WATERLINE
- 8" SAS NEW 8" SANITARY SEWER
- 42" SD NEW STORM DRAIN
- S SANITARY SEWER SERVICE
- B DOUBLE WATER METER
- 0 SINGLE WATER METER
- ▶ 8" X 6" WATER REDUCER
- NEW DROP INLET
- NEW SAS MANHOLE
- EXISTING SAS MANHOLE
- EXISTING SAS
- 7032 ADDRESS



NOTES

△ FH AND VALVE ADDED UNDER
PROTECT NO 5970.81

ASBUILT



dmg MARK GOODWIN & ASSOCIATES, P.A.
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

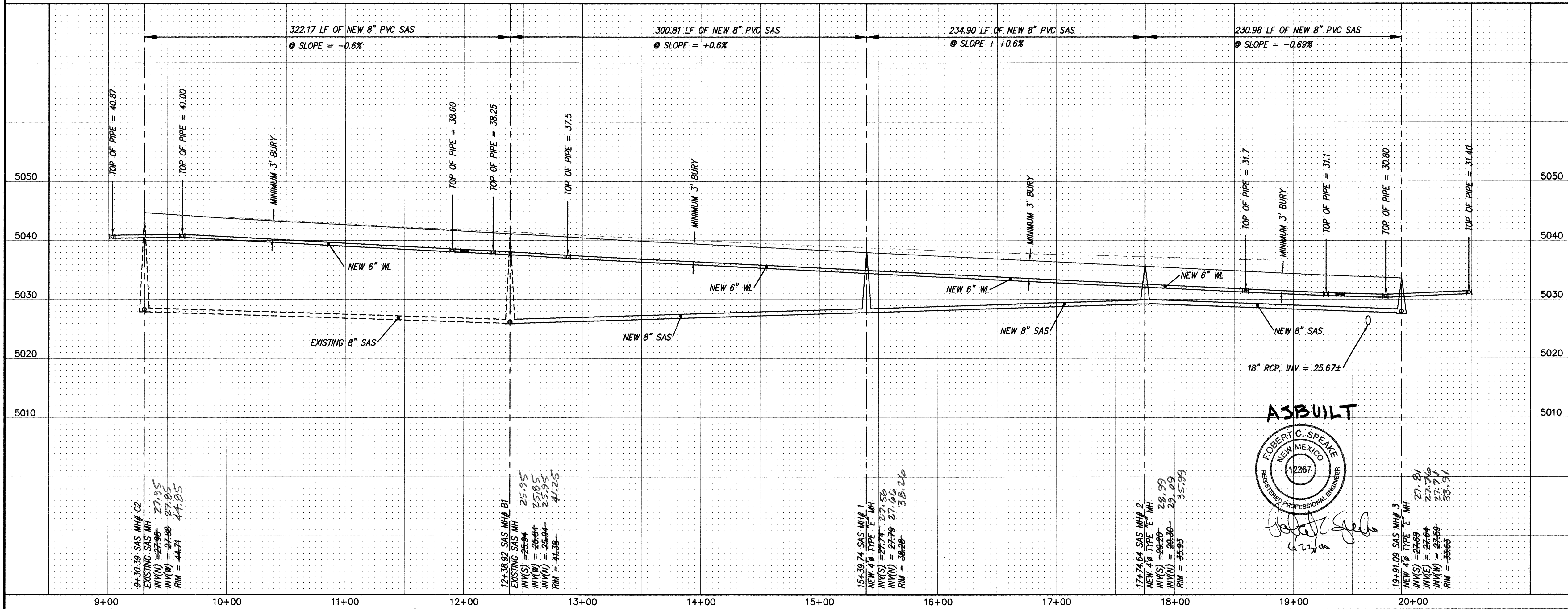
TITLE: **LOS PRADOS DEL NORTE
MASTER UTILITY PLAN**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVE SEP 7 1999			
DESIGN REVIEW COMMITTEE			

CITY PROJECT NO. **616081** ZONE MAP NO. **D-16** SHEET **10** OF **17**

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
DATE 1997		FIELD NOTES		ACS MONUMENT "NAA-8"		CONTRACTOR SLINDT	
BY		NO.		DATE		WORK	
REMARKS		BY		DATE		STATIONED BY ALS	
REVISIONS		NO.		DATE		ACCEPTANCE BY HMS	
DESIGN		NO.		DATE		FIELD DRAWINGS BY ALS	
DLH		NO.		DATE		DRAWINGS CORRECTED BY ALS	
MJR		NO.		DATE		MICRO-FILM INFORMATION	
DATE		NO.		DATE		RECORDED BY	
5-99		NO.		DATE		NO.	
5-99		NO.		DATE		NO.	

SCANNED BY
MESA REPRO



SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	1	11+58.64	37.33	33.00
1	2	11+11.65	37.93	33.00
1	3	10+64.66	38.43	33.00
1	4	10+17.67	38.93	33.00
2	25	18+82.56	30.25	33.00
2	26	18+35.58	30.75	33.00
2	27	17+88.59	31.25	33.00
2	28	17+41.61	31.65	33.00
2	29	16+94.63	32.15	33.00
2	30	16+47.65	32.65	33.00
2	31	16+00.67	33.05	33.00
2	32	15+53.69	33.55	33.00
2	33	15+06.71	34.05	33.00
2	34	14+59.73	34.55	33.00
2	35	14+12.75	34.95	33.00
2	36	13+65.77	35.13	33.00
2	37	13+18.79	35.63	33.00
3	9	17+84.80	31.25	33.00
3	10	17+25.15	31.85	33.00
3	11	16+55.50	32.55	33.00
3	12	16+05.85	33.05	33.00
3	13	15+41.37	33.65	33.00
3	14	14+81.73	34.25	33.00
3	15	14+22.08	34.85	33.00
3	16	13+62.43	35.13	33.00
3	17	13+02.78	35.83	33.00
3	18	12+43.13	36.43	33.00
3	19	11+83.48	37.13	33.00
3	20	11+23.83	37.83	33.00
3	21	10+52.61	38.53	33.00

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)				
PIPE SIZE	90°	45°	22.5°	VALVE
6"	17'	7'	-	46'
8"	22'	9'	4'	60'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.		
PIPE SIZE	LARGE SIDE	SMALL SIDE
8" X 6"	25'	33'

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
6"x6"x6"	10'	2'

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
LOS PRADOS DEL NORTE SUBDIVISION
UTILITY IMPROVEMENTS
CASA MARIA

APPROVED SEP 7 1999 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
LAST DESIGN UPDATE			

CITY PROJECT NO. **616081** ZONE MAP NO. **D-16** SHEET **12** OF **17**

AS BUILT INFORMATION

CONTRACTOR **SUNDT**

STAKED BY **ALS**

INSPECTED BY **ALS**

FIELD NOTES BY **ALS**

DESIGNED BY **ALS**

CHECKED BY **ALS**

DATE **09/07/99**

DATE **09/07/99**

DATE **09/07/99**

DATE **09/07/99**

DATE **09/07/99**

DATE **09/07/99**

BENCH MARKS

ACS MONUMENT "MAA-8"

Y = 1513713.15

X = 393902.61

G-G = 0.39967012

DELTA ALPHA = -007216' (CENTRAL ZONE)

ELEVATION = 5075.60

FIELD NOTES

DATE

BY

NO.

ENGINEER'S SEAL

NEW MEXICO
1987
REGISTERED
ENGINEER
ROBERT C. SPEAKE
12367

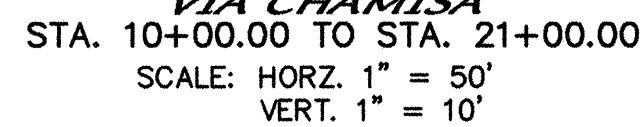
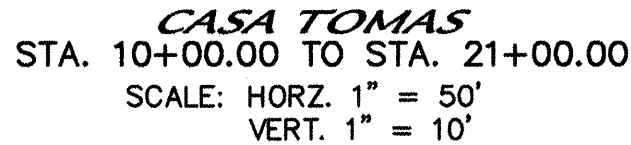
REVISIONS

NO.	DATE	REMARKS	BY
1		DESIGN	
2		REVISIONS	

DESIGNED BY **DLH** DATE **5-99**

DRAWN BY **MJR** DATE **5-99**

CHECKED BY **DMG** DATE **5-99**



SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. AT ELEV. PUE	LENGTH AT PUE
2	8	16+96.45	36.15	33.00'
2	9	16+46.45	35.55	33.00'
2	10	15+96.45	36.05	33.00'
2	11	15+46.45	34.45	33.00'
2	12	14+96.45	33.95	33.00'
2	13	14+46.45	33.45	33.00'
2	14	13+96.45	32.95	33.00'
2	15	13+46.45	32.45	33.00'
2	16	12+96.45	31.95	33.00'
2	17	12+46.45	31.45	33.00'
2	18	11+96.45	30.95	33.00'
2	19	11+46.45	30.45	33.00'
2	20	11+03.67	29.95	30.28'
2	21	10+90.63	29.65	29.62'
2	22	10+64.83	29.25	29.19'
2	23	10+34.04	29.15	38.02'
2	24	10+02.38	29.75	33.23'
3	1	14+61.86	33.55	33.00'
3	2	14+09.86	33.05	33.00'
3	3	13+57.86	32.55	33.00'
3	4	13+05.86	32.05	33.00'
3	5	12+53.86	31.45	33.00'
3	6	12+01.86	30.95	33.00'
3	7	11+49.86	30.45	33.00'
3	8	11+29.86	30.25	33.00'

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	—	—	46"
8"	22'	9'	4'	2'	60"

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)		
PIPE SIZE	LARGE SIDE	SMALL SIDE
8" X 6"	25'	33'

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
6"x6"x6"	10'	2'

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT

TITLE:

LOS PRADOS DEL NORTE S
UTILITY IMPROVEM
CASA TOMAS & VIA C

DESIGN REVIEW COMMITTEE

APPROVED

SEP 7 1999

**DESIGN
REVIEW COMMITTEE**

CITY PROJECT NO.	ZONE MAP NO.
------------------	--------------

ZONE MAP NO	
-------------	--

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE		CONTRACTOR	
						ACS MONUMENT "MAA-8"	
						Y = 1513713.15 X = 393902.61 G-G = 0.99967037	
						DELTA ALPHA = -0012'16" (CENTRAL ZONE) (NAD 1927/SLD 1929)	
						ELEVATION = 5075.60	
						ACS MONUMENT "MAA-9"	
						Y = 1518711.30 X = 394134.18 G-G = 0.99967037	
						DELTA ALPHA = -0012'15" (CENTRAL ZONE) (NAD 1927/SLD 1929)	
						ELEVATION = 5069.23	

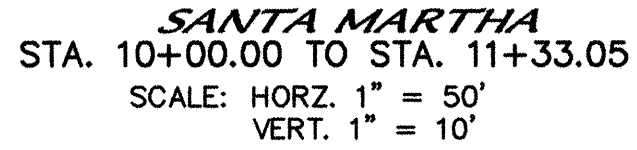
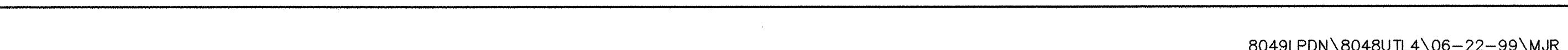
16

SHEET

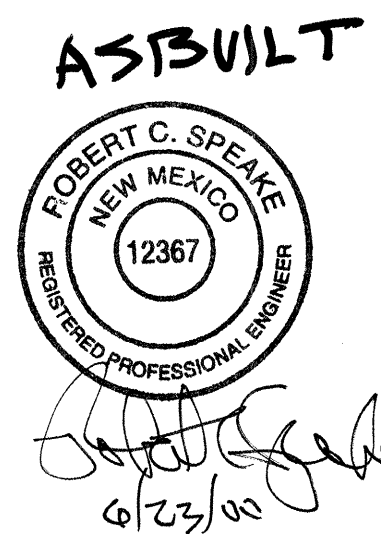
OF

13

17

[illegible]

1. ALL STATIONING IS CENTERLINE STATIONING UNLESS NOTED OTHERWISE.



RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)				
PIPE SIZE	90°	45°	22.5°	11.25° VALVE
6"	17'	7'	—	46"
8"	22'	9'	4'	60'
LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.				

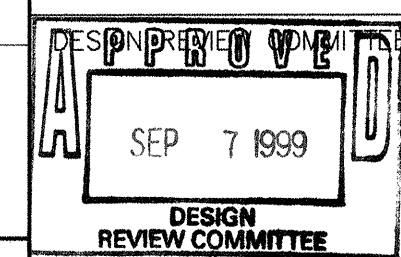
RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)		
PIPE SIZE	LARGE SIDE	SMALL SIDE
8" X 6"	25'	33'

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
6"x6"x6"	10'	2'

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP**

***LOS PRADOS DEL NORTE SUBDIVISION
UTILITY IMPROVEMENTS
SANTA RITA & SANTA MARTHA***



CITY ENGINEER APPROVA

CITY PROJECT NO.

ZONE MAP NC

U.	SHEET
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OF

616081

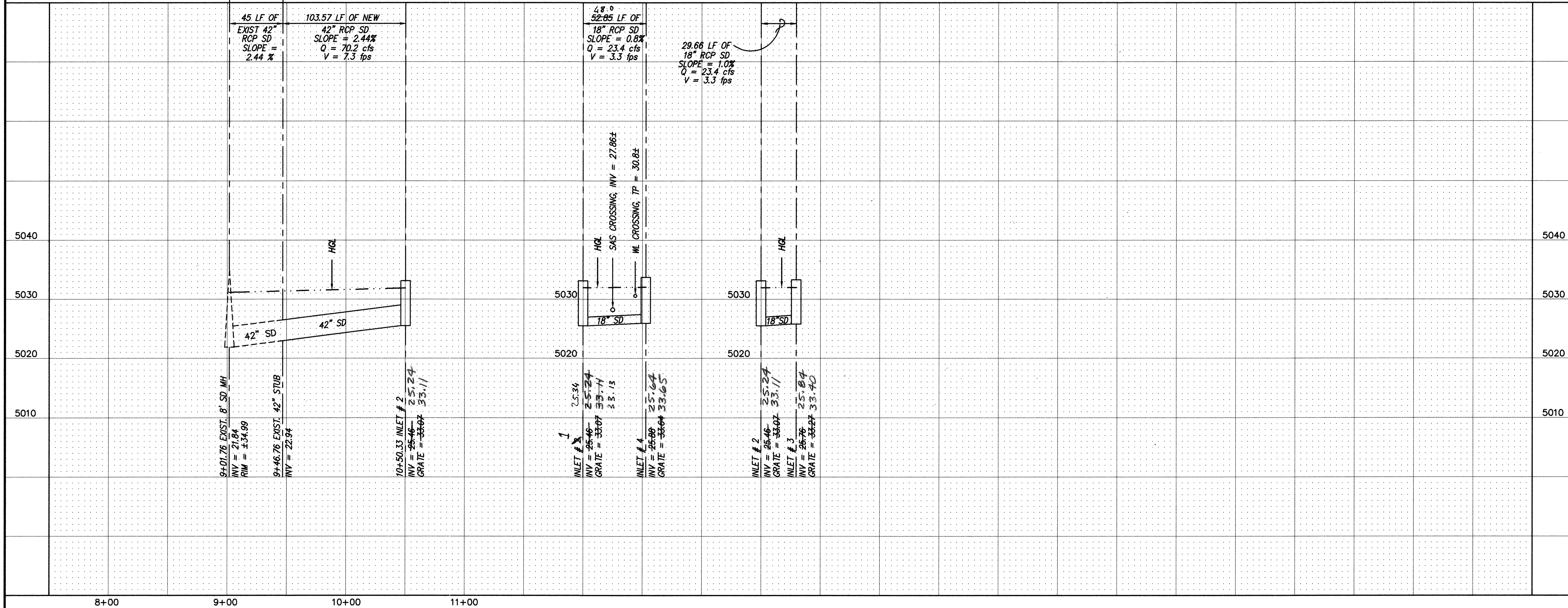
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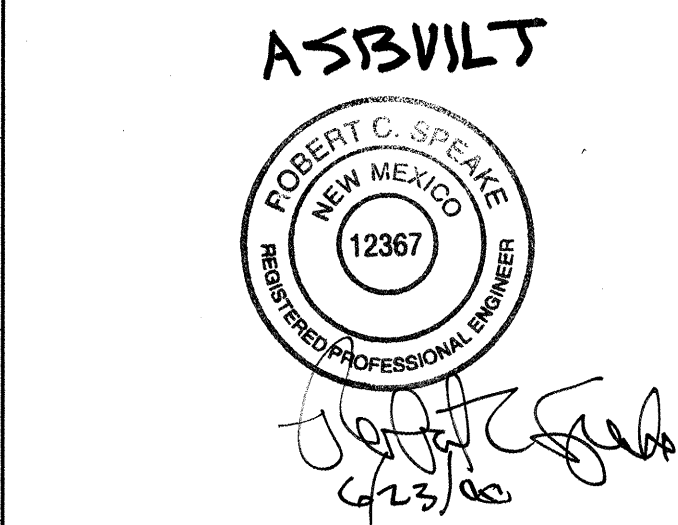


NOTE: CONTRACTOR TO FIELD VERIFY EXISTING MANHOLE EAST INVERT ELEVATION AND STUB INVERT ELEVATION BEFORE CONSTRUCTING STORM DRAIN. ENGINEER SHALL BE CONTACTED IF INVERTS ARE NOT WITHIN 0.2 FEET OF DESIGN ELEVATIONS.

RCP TABLE		
LINE	LENGTH	BEARING
L1	103.57	S75°52'24"E
L2	29.66	N67°54'06"E
L3	52.85	N30°55'01"E
L4	3.35	N26°31'34"E

STORM DRAIN
STA. 10+00.00 TO STA. 21+00.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: LOS PRADOS DEL NORTE SUBDIVISION
STORM DRAIN IMPROVEMENTS
CASA ELENA & CASA TOMAS KNUCKLE



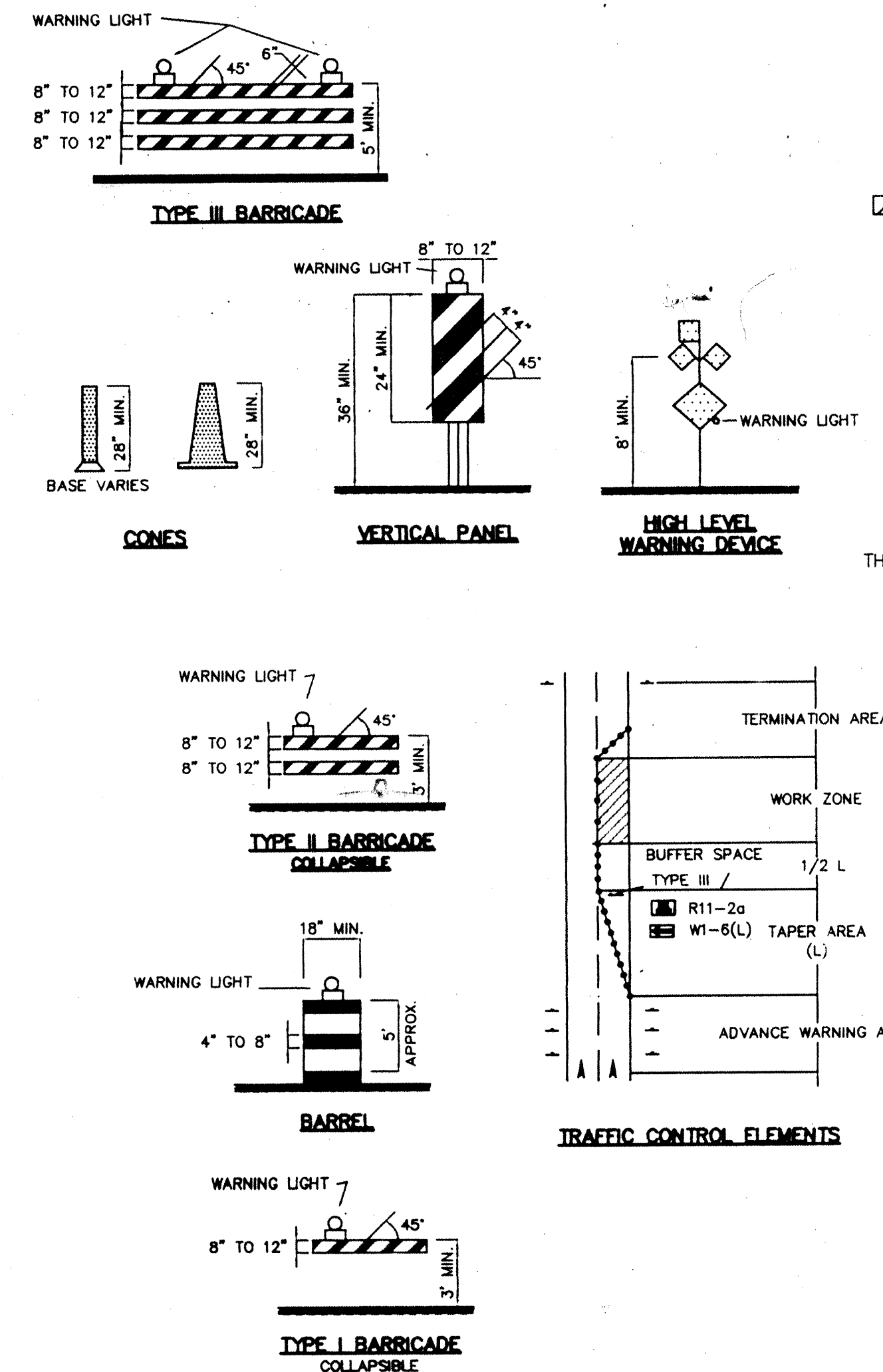
CITY PROJECT NO. 616081		ZONE MAP NO. D-16	SHEET 15 OF 17
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SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	DATE
				CONTRACTOR: SUNDT	DATE: 99
				STAKED BY: ALS	DATE: 99
				INSPECTED BY: ALS	DATE: 99
				FIELD CHECKED BY: ALS	DATE: 99
				REVISIONS	DATE
				DESIGNED BY: DLH	DATE: 5-99
				DRAWN BY: MJR	DATE: 5-99
				CHECKED BY: DMG	DATE: 5-99

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
- CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
- THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
- ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
- ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24HOUR PER DAY BASIS UNTIL COMPLETED.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
- EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
- ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

- EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 - STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
- FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
- TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
- ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW
- THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		BEFORE TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

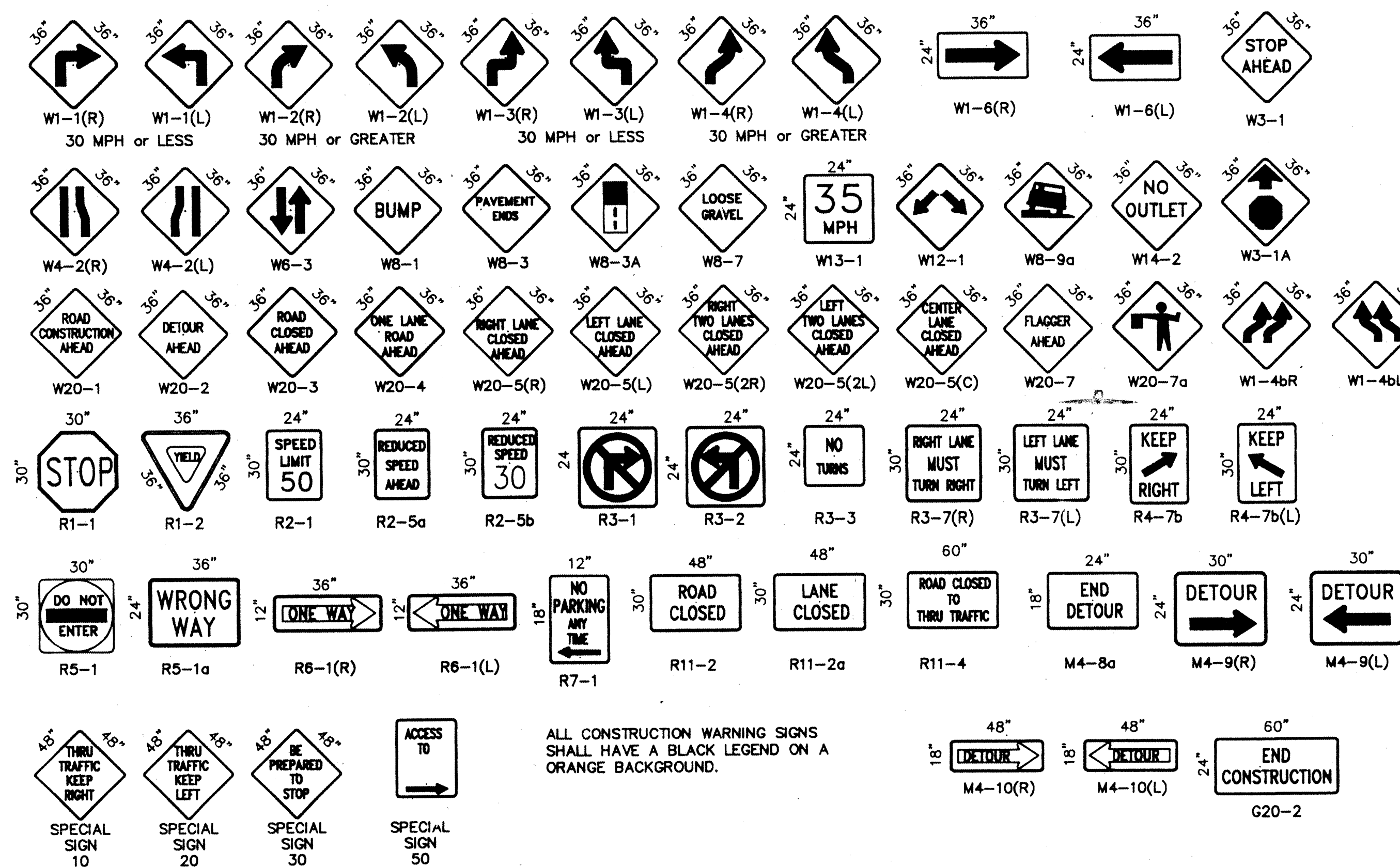
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **LOS PRADOS DEL NORTE SUBDIVISION
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

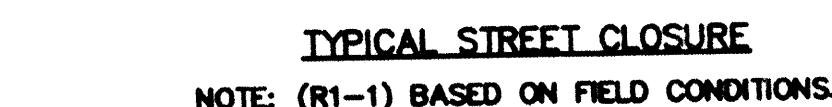
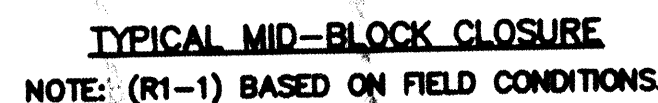
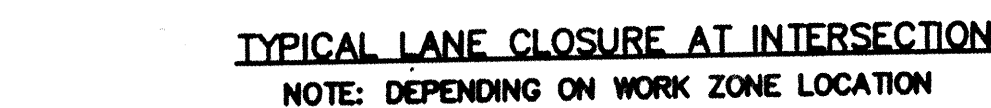
DESIGN REVIEW COMMITTEE: **C O A**
QTY ENGINEER APPROVAL: **Standard**

PROJECT NO. **616081** MAP NO. **D-16** SHEET **16** OF **17**



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

[illegible]