SCANNED BY
MESA REPRO

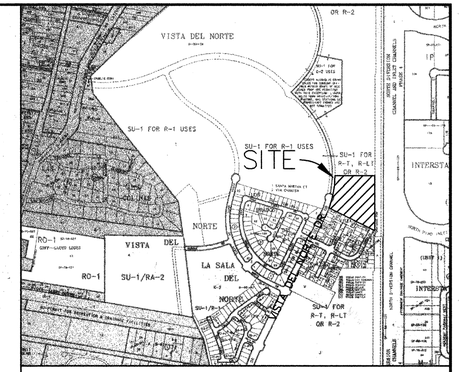
CONSTRUCTION PLANS

FOR

VILLA DEL NORTE

UNIT 2

ALBUQUERQUE, NEW MEXICO



VICINITY MAP — ZONE ATLAS D-16

SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #6.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO 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 IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (768-2521) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR 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 FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT TO COVER THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

   CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Cathy Chang
DATE 5/28/02

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	COVER
2-4,4a	PLAT
5	GRADING AND DRAINAGE PLAN
6	MASTER PAVING PLAN
7-11	PAVING IMPROVEMENTS
12	MASTER UTILITY PLAN - OFFSITE
13	MASTER UTILITY PLAN - ONSITE
14-17	UTILITY IMPROVEMENTS - OFFSITE
18-21	UTILITY IMPROVEMENTS - ONSITE
22-23	STORM DRAIN IMPROVEMENTS
24-25	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 supervision, 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 any of the design concepts, calculations, engineering, or intent of the record drawings.

Timothy Aldrich, P.S. No. 7719 03-01-02 Date

TIMOTHY ALDRICH NEW MEXICO 7719 REGISTERED PROFESSIONAL SURVEYOR

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.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- [x] ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- [x] BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- [ ] TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- [x] 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.
- [x] ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

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

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE
DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER 2.27.01	DRC CHAIRMAN		11-5-01
	TRANSPORTATION		3-23-01
	WATER/WASTEWATER		3-26-01
	HYDROLOGY		3-19-01
	~~CIP~~ AMAFCA	Lynn M. Mayer	3-28-01
	CONSTR. MNGMT.		
	CONSTR. COORD.		4-5-01

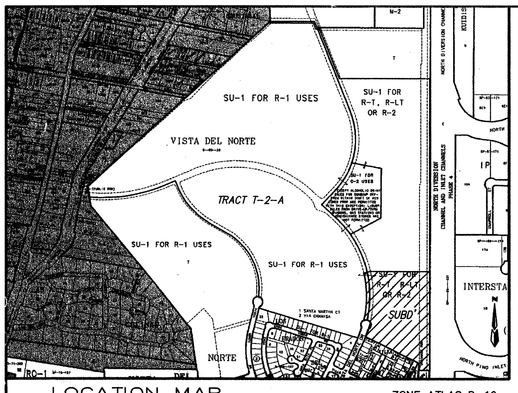
APPROVED FOR CONSTRUCTION
4/7/01
CITY ENGINEER DATE

CITY PROJECT NO. 658381

SHEET OF 1 25

DRB 1000533

F:\DATA\DWGS\A00\jobs\A0012\DN\UNIT2\COVER.dwg Mon Feb 26 11:56:52 2001 D. MARK GOODWIN & ASSOCIATES PLOTTED BY: KJS



LOCATION MAP

ZONE ATLAS D-16

SCALE: NONE

SUBDIVISION DATA

PLAT CASE NOS. . . . . PROJECT # 1000533

CASE #

GROSS ACREAGE. . . . . 12.2562 Ac.

ZONE ATLAS NO. D-16

NO. OF EXISTING TRACTS/LOTS. . . . . 1 TRACT

NO. OF TRACTS/LOTS CREATED. . . . . 6 TRACTS/55 LOTS

NO. OF TRACTS/LOTS ELIMINATED. . . . . 1 TRACT

MILES OF FULL WIDTH STREETS CREATED. 0.40

AREA DEDICATED TO CITY OF ALBUQUERQUE . . . . . 2.5354 Ac.

DATE OF SURVEY. . . . . NOVEMBER, 1998

UTILITY CONTROL LOCATION SYSTEM LOG NUMBER. 99092909100192

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, 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 including the right to construct, operate, inspect, and maintain facilities therein; 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.

VISTA DEL NORTE DEVELOPMENT, LLC,
BY: JOHN A. MYERS, ASSISTANT MANAGER PRO TEM

JOHN A. MYERS, ASSISTANT MANAGER PRO TEM — 11/15/00 Date

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO }
COUNTY OF BERNALILLO } SS

This instrument was acknowledged before me on NOV. 15, 2000
By John A. Myers, Assistant Manager Pro Tem Vista Del Norte Development, LLC,
a Limited Liability Corporation a New Mexico Corporation on behalf of said Corporation.

Karen Lee Arfman — 11-18-2001
NOTARY PUBLIC — MY COMMISSION EXPIRES

OFFICIAL SEAL
KAREN LEE ARFMAN
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires 1/18/2001

LEGAL DESCRIPTION (SEE SHEET 2)

NOTES (SEE SHEET 2)

PURPOSE OF PLAT

SUBDIVIDE TRACT T-2-B, VISTA DEL NORTE INTO 55 RESIDENTIAL LOTS AND 6 TRACTS FOR VILLA DEL NORTE, UNIT 2, SUBDIVISION

DEDICATE NEW RIGHT-OF-WAY AS SHOWN.

GRANT NEW EASEMENTS AS SHOWN.

SCANNED BY MESA REPRO

PLAT FOR VILLA DEL NORTE UNIT 2, SUBDIVISION

WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
SEPTEMBER, 2000

APPROVED AND ACCEPTED BY:

APPROVAL AND CONDITIONAL ACCEPTANCE as specified by the Albuquerque subdivision Ordinance, Article XI of Chapter 7 of the Revised Ordinances of Albuquerque, New Mexico

Subdivision Case No._____

Planning Director, City of Albuquerque, N.M. — Date

City Engineer, City of Albuquerque, N.M. — Date

Albuquerque Metropolitan Arroyo Flood Control Authority — Date

Transportation Development, City of Albuquerque, N.M. — Date

Utility Development Division, City of Albuquerque, N.M. — Date

Parks and Recreation — Date

11-16-00
City Surveyor, City of Albuquerque, N.M. — Date

Property Management, City of Albuquerque, N.M. — Date

12-20-00
PNM Gas — Date

12-20-00
PNM Electric — Date

12-20-00
Qwest Telecommunications — Date

12-20-00
Comcast Cable — Date

2-01/01
Ron Brown, Vista Del Norte Home Owners Association — Date

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 of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum 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, and is true and correct to the best of my knowledge and belief."

Timothy Aldrich P.S. No. 7719 — 11-16-00 Date

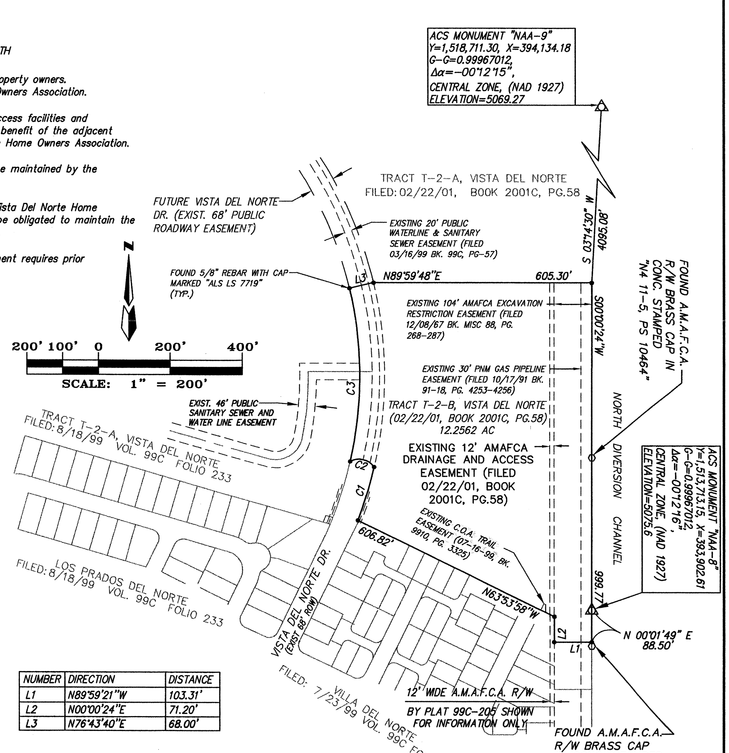
Dwg: A0012COVER	Drawn: SPS	Checked: ALS	Sheet 1 of 5
Scale: 1"=1'	Date: 09/18/00	Job: A0012	

LEGAL DESCRIPTION

A Tract Of Land Situate Within The Elena Gallegos Grant, Projected Section 22, Township 11 North, Range 3 East, New Mexico Principal Meridian, City Of Albuquerque, Bernalillo County, New Mexico Being All of Tract T-2-B, 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 , in Book 2000C, Page and containing 12.2562 acres more or less.

NOTES

1. *Bearings are New Mexico State Plane Grid Bearings (Central Zone).*
2. *Distances are ground distances.*
3. *Bearings and distances are field and record.*
4. *Basis of boundary are the following plats (and documents) of record entitled:*
   PLAT FOR "VISTA DEL NORTE", (03-16-99, 99C-57)
   PLAT FOR "VILLA DEL NORTE SUBDIVISION", (07-23-99, 99C-205)
   PLAT FOR "LOS PRADOS DEL NORTE SUBDIVISION", (08-18-99, 99C-233)
   PLAT FOR "TRACTS T-1, T-2, T-3 & T-4 VISTA DEL NORTE SUBDIVISION", (12-10-99, 99C-331)
   all being records of Bernalillo County, New Mexico.
5. *Field Survey performed November, 1998.*
6. *Unless otherwise noted all point are SET 5/8" REBAR WITH CAP "ALS LS 7719" (TYP)*
7. *Tract L & M is for the mutual use and benefit of all property owners. maintenance responsibilities shall belong with the Home Owners Association.*
8. *Tracts N, O, P, & Q are for the placement of private access facilities and public storm drain, water, & sanitary sewer lines for the benefit of the adjacent properties. Maintenance shall be the responsibility of the Home Owners Association.*
9. *The 5' and 10' landscape and/or sign easements shall be maintained by the Home Owners Association.*
10. *Tracts L, M, N, O, P, & Q shall be conveyed to the Vista Del Norte Home Owners Association. The Home Owners Association will be obligated to maintain the curbs, gutters, paving and landscaping within the tracts.*
11. *Construction within AMAFCA Excavation Restriction Easement requires prior AMAFCA written approval.*



NUMBER	DIRECTION	DISTANCE
L1	N89°59'21"W	103.31'
L2	N00°00'24"E	71.20'
L3	N76°43'40"E	68.00'

NUMBER	R = '	L = '	D =	T = '	CH BEARING=	CHORD LE='
C1	1134.00	154.57	07°48'35"	77.41	N16°48'55"E	154.45
C2	50.00	74.79	85°42'07"	46.38	S76°09'56"E	68.01
C3	1066.00	486.04	26°07'25"	247.32	N 00°12'38" W	481.84

PUBLIC UTILITY EASEMENTS:

PUBLIC UTILITY EASEMENTS shown on this plat are granted for the common and joint use of :

1. The PNM Electric Services Division for the installation, maintenance and service of overhead and underground electrical lines, transformers, poles and any other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical services.

2. The PNM Gas Services Division for installation, maintenance and services of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.

3. Qwest for installation, maintenance and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and closures.

4. Comcast cable for installation, maintenance and service of such lines, cable and other related equipment and facilities reasonably necessary to provide Cable TV service. Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate and maintain facilities for the purposes described above, together with free access to, from and over said easement, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (above ground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electrical Safety Code caused by construction of pools, decking or any structures adjacent to within or near easements shown on this plat.

In approving this plat, the utility companies did not conduct a Title Search of the properties shown hereon. Consequently, the utility companies do not waive or release any easement or easement rights which may have been granted by prior plat, replat or other document and which are not shown on this plat.

Easements for electric transformers/switchgears, as installed, shall extend ten feet (10') in front of transformer/switchgear doors and five feet (5') on each side.

PLAT FOR VILLA DEL NORTE UNIT 2, SUBDIVISION

WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 2000

Dwg: A0012SHT2	Drawn: SPS	Checked: ALS	Sheet 2 of 5
Scale: 1"=200'	Date: 11/13/00	Job: A0012	

Villa Del Norte Unit 2 (Project No. 653881) Sht. 2 of 25

NOTE: ▲

CENTERLINE (IN LIEU OF R/W) MONUMENTATION IS TO BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AS SHOWN HEREON, AND WILL CONSIST OF A FOUR INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE", "CENTERLINE MONUMENT", "DO NOT DISTURB", "PLS # 7719".

LEGENDS AND ABBREVIATIONS

Ⓜ	5'x5' PUBLIC WATER METER EASEMENT
PUE	PUBLIC UTILITY EASEMENT
ROW	RIGHT-OF-WAY
SAS	SANITARY SEWER

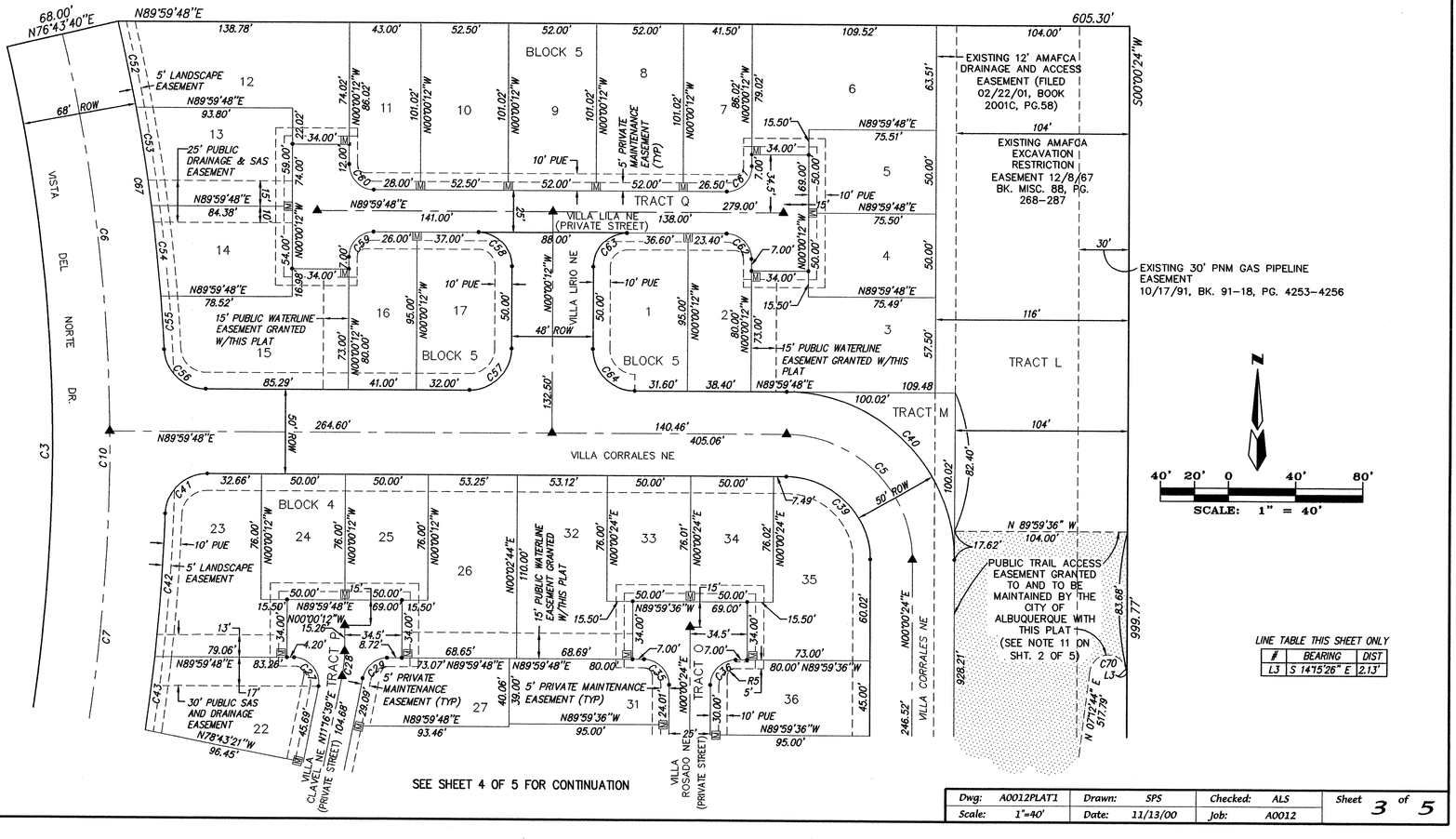
SCANNED BY MESA REPRO

PLAT FOR VILLA DEL NORTE UNIT 2, SUBDIVISION

WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 2000

ALL STREETS SHOWN HEREON ARE HEREBY DEDICATED AS PUBLIC RIGHT-OF-WAY UNLESS SHOWN OTHERWISE

SEE SHEET 5 OF 5 FOR CURVE AND AREA TABLES



LINE TABLE THIS SHEET ONLY

#	BEARING	DIST
L3	S 14°15'26" E	2.13'

SEE SHEET 4 OF 5 FOR CONTINUATION

Dwg: A0012PLAT1	Drawn: SPS	Checked: ALS	Sheet 3 of 5
Scale: 1"=40'	Date: 11/13/00	Job: A0012	

SEE SHEET 3 OF 5 FOR CONTINUATION

PLAT FOR
VILLA DEL NORTE UNIT 2, SUBDIVISION
WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
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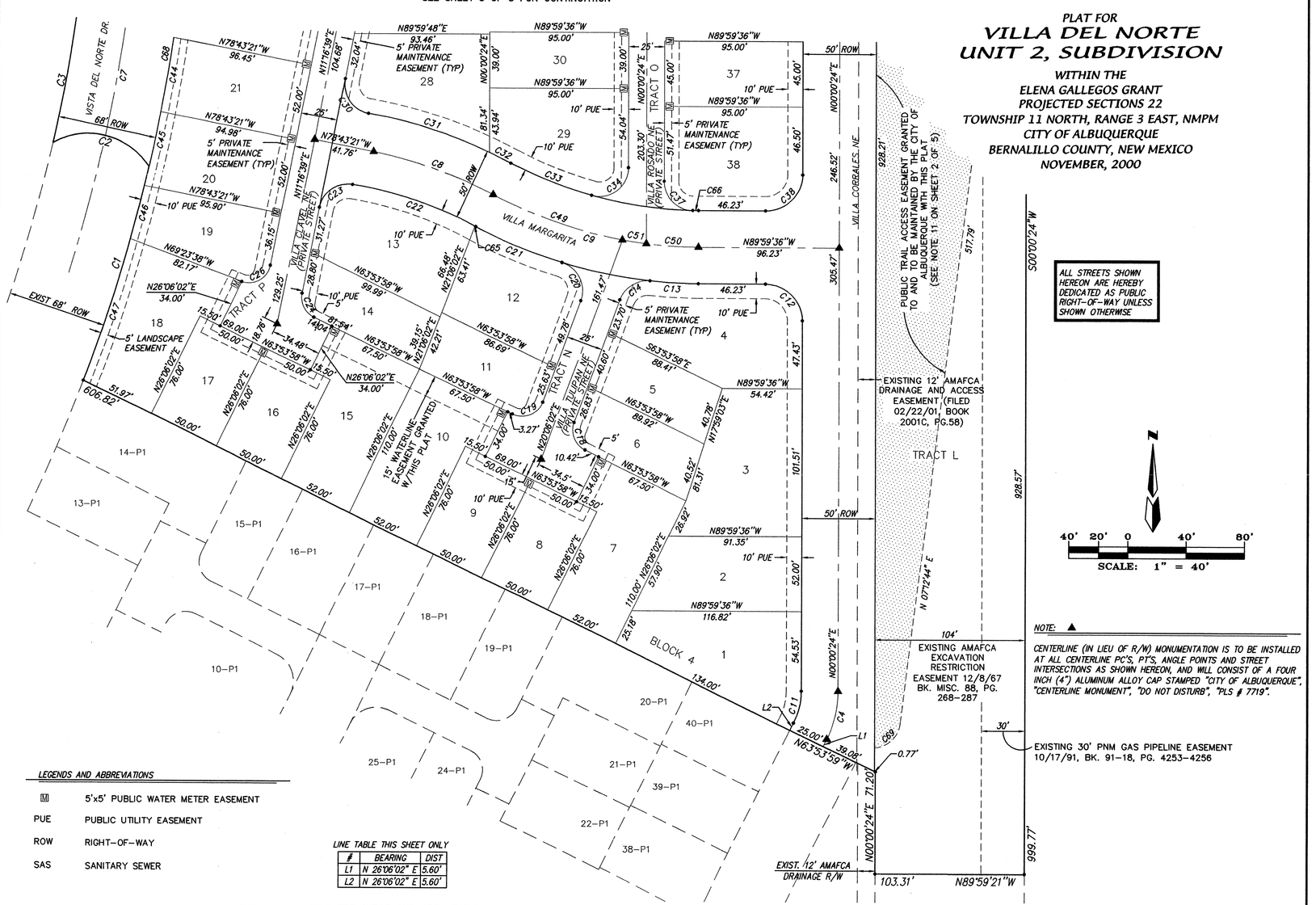


LEGENDS AND ABBREVIATIONS

Ⓜ	5'x5' PUBLIC WATER METER EASEMENT
PUE	PUBLIC UTILITY EASEMENT
ROW	RIGHT-OF-WAY
SAS	SANITARY SEWER

LINE TABLE THIS SHEET ONLY

#	BEARING	DIST
L1	N 26°06'02" E	5.60'
L2	N 26°06'02" E	5.60'

NOTE: ▲

CENTERLINE (IN LIEU OF R/W) MONUMENTATION IS TO BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AS SHOWN HEREON, AND WILL CONSIST OF A FOUR INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE", "CENTERLINE MONUMENT", "DO NOT DISTURB", "PLS # 7719".

SEE SHEET 5 OF 5 FOR CURVE AND AREA TABLES

Dwg: A0012PLAT2	Drawn: SPS	Checked: ALS	Sheet 4 of 5
Scale: 1"=40'	Date: 11/13/00	Job: A0012	

Villa Del Norte Unit 2 (Project No. 658381) Sht. 3 of 25

NUMBER	R = '	L = '	D =	T = '	CH BEARIN=	CHORD LE='
C1	1134.00	154.57	07°48'35"	77.41	N16°48'55"E	154.45
C2	50.00	74.79	85°42'07"	46.38	N76°09'56"W	68.01
C3	1066.00	486.04	26°07'25"	247.32	N00°12'38"W	481.84
C4	75.00	34.16	26°05'38"	17.38	N13°03'13"E	33.86
C5	75.00	117.82	90°00'36"	75.01	N44°59'54"W	106.08
C6	1100.00	240.08	12°31'34"	120.72	N07°00'33"W	240.00
C7	1100.00	248.29	12°55'58"	124.68	N05°43'13"E	247.77
C8	300.00	87.88	16°47'05"	44.26	N70°19'49"W	87.57
C9	300.00	146.90	28°03'20"	74.95	N75°57'56"W	145.43
C10	1100.00	488.78	25°27'32"	248.49	N00°32'34"W	484.76
C11	50.00	22.77	26°05'38"	11.59	N13°03'13"E	22.57
C12	25.00	39.27	90°00'00"	25.00	N44°59'36"W	35.36
C13	325.00	33.65	05°55'50"	16.84	N87°01'37"W	33.64
C14	20.00	26.47	75°50'20"	15.58	N58°01'12"E	24.58
C18	15.00	21.99	84°00'00"	13.51	N21°53'58"W	20.07
C19	15.00	25.13	96°00'00"	16.66	N68°06'02"E	22.29
C20	20.00	32.54	93°13'27"	21.16	N26°30'42"W	29.07
C21	325.00	63.45	11°11'09"	31.83	N67°31'51"W	63.35
C22	275.00	89.86	18°43'16"	45.33	N71°26'39"W	89.46
C23	20.00	30.69	87°55'04"	19.29	N55°14'11"E	27.77
C24	15.00	19.68	75°10'37"	11.55	N26°18'40"W	18.30
C26	15.00	25.54	97°32'44"	17.12	N60°03'01"E	22.56
C27	15.00	26.52	101°16'51"	18.29	N39°21'47"W	23.20
C28	75.00	14.77	11°16'51"	7.41	N05°38'13"E	14.74
C29	15.00	20.61	78°43'09"	12.30	N50°38'13"E	19.03
C30	20.00	31.95	91°32'20"	20.54	N34°29'31"W	28.66
C31	325.00	87.79	15°28'39"	44.17	N72°31'21"W	87.53
C32	325.00	16.14	02°50'46"	8.07	N63°21'39"W	16.14
C33	275.00	59.56	12°24'37"	29.90	N68°08'35"W	59.45
C34	20.00	36.88	105°38'43"	26.37	N52°49'46"E	31.87
C35	15.00	23.56	90°00'36"	15.00	N44°59'54"W	21.22
C36	15.00	23.56	90°00'00"	15.00	N45°00'24"E	21.21
C37	20.00	31.12	89°09'11"	19.71	N44°34'12"W	28.07
C38	25.00	39.27	90°00'00"	25.00	N45°00'24"E	35.36
C39	50.00	78.55	90°00'36"	50.01	N44°59'54"W	70.72
C40	100.00	157.10	90°00'36"	100.02	N44°59'54"W	141.43
C41	25.00	38.50	88°13'59"	24.24	N45°52'49"E	34.81
C42	1134.00	85.99	04°20'42"	43.02	N03°56'10"E	85.97
C43	1134.00	44.23	02°14'05"	22.12	N07°13'34"E	44.23
C44	1134.00	52.03	02°37'43"	26.02	N09°39'27"E	52.02
C45	1134.00	52.01	02°37'41"	26.01	N12°17'09"E	52.01
C46	1134.00	37.76	01°54'29"	18.88	N14°33'13"E	37.76
C47	1134.00	103.16	05°12'45"	51.62	N18°06'50"E	103.13
C49	300.00	93.85	17°55'29"	47.31	N70°54'01"W	93.47
C50	300.00	36.36	06°56'38"	18.20	N86°31'17"W	36.34
C51	300.00	16.69	03°11'13"	8.35	N81°27'21"W	16.68
C52	1134.00	53.15	02°41'08"	26.58	N11°55'46"W	53.15
C53	1134.00	59.75	03°01'09"	29.88	N09°04'38"W	59.75
C54	1134.00	54.32	02°44'41"	27.17	N06°11'43"W	54.32
C55	1134.00	32.48	01°38'28"	16.24	N04°00'09"W	32.48
C56	25.00	37.88	86°49'18"	23.65	N46°35'33"W	34.36
C57	25.00	39.27	90°00'00"	25.00	N44°59'48"E	35.36
C58	20.00	31.42	90°00'00"	20.00	N45°00'12"W	28.28
C59	15.00	23.56	90°00'00"	15.00	N44°59'48"E	21.21
C60	15.00	23.56	90°00'00"	15.00	N45°00'12"W	21.21
C61	15.00	23.56	90°00'00"	15.00	N44°59'48"E	21.21
C62	15.00	23.56	90°00'00"	15.00	N45°00'12"W	21.21
C63	20.00	31.42	90°00'00"	20.00	N44°59'48"E	28.28
C64	25.00	39.27	90°00'00"	25.00	N45°00'12"W	35.36
C65	275.00	0.70	00°08'44"	0.35	N62°00'38"W	0.70
C66	275.00	4.06	00°50'49"	2.03	N89°34'12"W	4.06
C67	1134.00	199.71	10°05'26"	100.12	N08°13'37"W	199.45
C68	1134.00	220.60	11°08'45"	110.65	S07°20'15"W	220.25
C69	19.00	26.19	78°58'30"	15.66	N46°41'51"E	24.16
C70	11.00	30.44	158°31'50"	58.02	N86°28'39"E	21.62

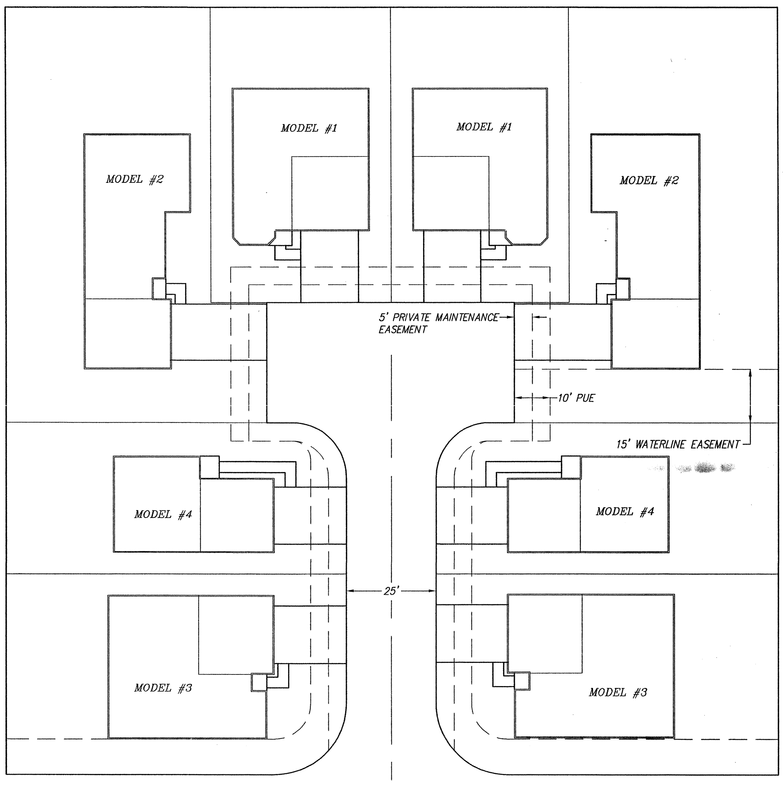
	Block	SF	AC
TRACT L	4	103975	2.3870
TRACT M	5	2147	0.0493
TRACT N	4	5523	0.1268
TRACT O	4	6644	0.1525
TRACT P	4	10640	0.2443
TRACT Q	5	11080	0.2544

Lot	Block	SF	AC
1	4	6690	0.1536
2	4	5413	0.1243
3	4	7244	0.1663
4	4	7822	0.1796
5	4	3600	0.0826
6	4	3600	0.0826
7	4	6247	0.1434
8	4	3800	0.0872
9	4	3800	0.0872
10	4	6247	0.1434
11	4	3600	0.0826
12	4	5525	0.1268
13	4	6322	0.1451
14	4	3739	0.0858
15	4	6247	0.1434
16	4	3800	0.0872
17	4	3800	0.0872
18	4	6689	0.1536
19	4	4374	0.1004
20	4	4954	0.1137
21	4	4969	0.1141
22	4	5233	0.1201
23	4	6946	0.1595
24	4	3800	0.0872
25	4	3800	0.0872
26	4	6377	0.1464
27	4	3600	0.0826
28	4	6244	0.1433
29	4	5976	0.1372
30	4	3705	0.0851
31	4	3657	0.0840
32	4	6374	0.1463
33	4	3800	0.0872
34	4	3801	0.0873
35	4	6325	0.1452
36	4	4227	0.0970
37	4	4275	0.0981
38	4	6572	0.1509

Lot	Block	SF	AC
1	5	5157	0.1184
2	5	3600	0.0826
3	5	6823	0.1566
4	5	3775	0.0877
5	5	3775	0.0877
6	5	7484	0.1718
7	5	4144	0.0951
8	5	5253	0.1206
9	5	5253	0.1206
10	5	5303	0.1217
11	5	4295	0.0986
12	5	7670	0.1761
13	5	5242	0.1203
14	5	4388	0.1007
15	5	6656	0.1528
16	5	3847	0.0883
17	5	5195	0.1193

SCANNED BY
MESA REPRO

PLAT FOR
VILLA DEL NORTE
UNIT 2, SUBDIVISION
WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 2000



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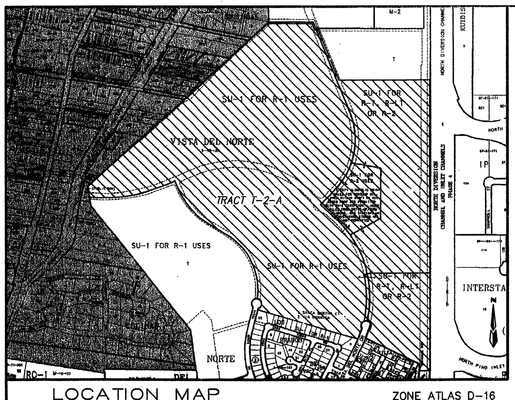

LOCATION MAP
ZONE ATLAS D-16
SCALE: NONE

SUBDIVISION DATA

PLAT CASE NOS. . . . . PROJECT # 1000533
CASE # 00410-00000-01605
" " 01602
GROSS ACREAGE. . . . . 153.2785 Ac.
ZONE ATLAS NO. D-16
NO. OF EXISTING TRACTS/LOTS. . . . . 1 TRACT
NO. OF TRACTS/LOTS CREATED. . . . . 2 TRACTS
NO. OF TRACTS/LOTS ELIMINATED. . . . . 1 TRACT
MILES OF FULL WIDTH STREETS CREATED. 0.0
AREA DEDICATED TO CITY OF ALBUQUERQUE. . . . . 0.0 Ac.
DATE OF SURVEY. . . . . NOVEMBER, 1998
UTILITY CONTROL LOCATION SYSTEM LOG NUMBER. 99092909100192

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, 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 including the right to construct, operate, inspect, and maintain facilities therein; 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.

VISTA DEL NORTE DEVELOPMENT, LLC,
BY: JOHN A. MYERS, ASSISTANT MANAGER PRO TEM

JOHN A. MYERS, ASSISTANT MANAGER PRO TEM — 11/15/00 Date

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO }
COUNTY OF BERNALILLO } SS

This instrument was acknowledged before me on Nov. 15, 2000
By John A. Myers, Assistant Manager Pro Tem Vista Del Norte Development, LLC,
a Limited Liability Corporation a New Mexico Corporation on behalf of said Corporation.

Karen Lee Arthman — 11-18-2001
NOTARY PUBLIC — MY COMMISSION EXPIRES

OFFICIAL SEAL
KAREN LEE ARTHMAN
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires 11/18/01

LEGAL DESCRIPTION (SEE SHEET 2)

NOTES (SEE SHEET 2)

PURPOSE OF PLAT

SUBDIVIDE TRACT T-2, VISTA DEL NORTE INTO 2 TRACTS.

GRANT NEW EASEMENTS AS SHOWN.

VACATE TEMPORARY EASEMENTS AS SHOWN.

VACATE RIGHT-OF-WAY AS SHOWN

"NOTICE OF SUBDIVISION PLAT VARIANCE"
Tracts "T-2-A AND T-2-B" Vista Del Norte
Albuquerque, Bernalillo County, New Mexico

The plat for Tracts "T-2-A and T-2-B" Vista Del Norte, City of Albuquerque, Bernalillo County, New Mexico, has been granted a variance or waiver from certain subdivision requirements pursuant to Section 7 of the City of Albuquerque Subdivision Ordinance.

Future subdivision of lands within this plat, zoning site development plan approvals, and development permits may be conditioned upon dedication of rights-of-way and easements, and/or upon infrastructure improvements by the owner of water, sanitary sewer, streets, drainage, grading and parks in accordance with current resolutions, ordinances and policies in effect at the time for any specific proposal.

The City and AMAFCA (with reference to drainage) may require and/or permit easements to be added, modified or removed when future plats and/or site development plans are approved.

By its approval of this subdivision, the City makes no representation or warranties as to availability of utilities, or final approval of all requirements including (but not limited to) the following items: water and sanitary sewer availability; future street dedications and/or improvements; and excavation, filling or grading requirements. Any person intending development of lands within this subdivision is cautioned to investigate the status of these items.

At such time as all such conditions have been satisfactorily met, the City Engineer shall approve a recordable document, removing such conditions from all or from a portion of the area within the subject subdivision.

Mary Herrera Bern. Co. PLAT R 17.00
2001019719
Page 1 of 2
02/22/2001 11:04A
Bk-2001C Pg-58

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND
PAID ON UPC # 101606363671814026
PROPERTY OWNER OF RECORD: Vista Del Norte Development LLC
BERNALILLO COUNTY TREASURER'S OFFICE
Jeanette Gallegos 02-22-2001

BULK PLAT FOR
TRACT T-2-A, TRACT T-2-B
VISTA DEL NORTE
WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 2000

APPROVED AND ACCEPTED BY:

APPROVAL AND CONDITIONAL ACCEPTANCE as specified by the Albuquerque subdivision Ordinance, Article XI of Chapter 7 of the Revised Ordinances of Albuquerque, New Mexico

Subdivision Case No._____

Planning Director, City of Albuquerque, N.M. — 2/21/01 Date
City Engineer, City of Albuquerque, N.M. — 12/13/00 Date
Albuquerque Metropolitan Arroyo Flood Control Authority — 12/13/00 Date
Transportation Development, City of Albuquerque, N.M. — 12-13-00 Date
Utility Development Division, City of Albuquerque, N.M. — 12/18/00 Date
Parks and Recreation — 11-16-00 Date
City Surveyor, City of Albuquerque, N.M. — 1-31-01 Date
Property Management, City of Albuquerque, N.M. — 12-20-00 Date
PNM Gas — 12-20-00 Date
PNM Electric — 12-20-00 Date
Qwest Corporation — 12-20-00 Date
Comcast Cable — Date

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 of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in New Mexico State of New Mexico, and is true and correct to the best of my knowledge and belief."

Timothy Aldrich P.S. No. 9719 — 11-16-00 Date

Dwg:	A0012COVER	Drawn:	SPS	Checked:	ALS	Sheet 1 of 3
Scale:	1"=1'	Date:	11/14/00	Job:	A0012	

Villa Del Norte Unit 2 (Project No. 6583B1) Sht. 4 of 25

SCANNED BY
MESA REPRO

BULK PLAT FOR
TRACT T-2-A, TRACT T-2-B
VISTA DEL NORTE
WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 2000

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Page: 2 of 3
02/22/2001 11:04A
Mary Herrera Bern. Co. PLAT R 17.00 Bk-2001C Pg-58

LEGAL DESCRIPTION

A Tract Of Land Situate Within The Elena Gallegos Grant, Projected Section 22, Township 11 North, Range 3 East, New Mexico Principal Meridian, City Of Albuquerque, Bernalillo County, New Mexico Being All of Tract T-2, 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 99c, Page 57 and a Portion of the Vista Del Norte Drive right-of-way and containing 153.2785 acres more or less.

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances.
3. Bearings and distances are field and record.
4. Basis of boundary are the following plats (and documents) of record entitled:
   PLAT FOR "VISTA DEL NORTE", (03-16-99, 99C-57)
   PLAT FOR "VILLA DEL NORTE SUBDIVISION", (07-23-99, 99C-205)
   PLAT FOR "LOS PRADOS DEL NORTE SUBDIVISION", (08-18-99, 99C-233)
   PLAT FOR "TRACTS T-1, T-2, T-3 & T-4 VISTA DEL NORTE SUBDIVISION", (12-10-99, 99C-331)
   all being records of Bernalillo County, New Mexico.
5. Field Survey performed November, 1998.
6. Unless otherwise noted all point are SET 5/8" REBAR WITH CAP "ALS LS 7719" (TYP)
7. The City has the right to enter upon the grantors property at any time and perform whatever inspection, installation, maintenance, repair modification or removal ("work") it deems appropriate without liability to the city. If the work effects any improvements or encroachments made by the grantor, the city will not be financially or otherwise responsible for rebuilding or repairing of improvements or encroachments . If in the opinion of the city, the work to be performed by the city could endanger the structural integrity or otherwise damage the improvements or encroachments, the grantor shall, at its own expense, take whatever protective measures are required to safeguard the improvements or encroachments.
8. Prior to approval of any future site development plan and/or plat within Tract T-2-B, a 20' wide trail access easement will be identified from the existing C.O.A. trail easement to the existing AMAFCA Excavation Restriction Easement.
9. Work within the AMAFCA excavation restriction easement is subject to license agreement from AMAFCA prior to construction.
10. Prior to approval of final subdivision plat for Tract T-2-A, the developer will dedicate to the city of Albuquerque a 4.0 acre park subject to approval by the City of Albuquerque and the recorded park agreement between the developer and the City of Albuquerque.

PUBLIC UTILITY EASEMENTS:

PUBLIC UTILITY EASEMENTS shown on this plat are granted for the common and joint use of :

1. The PNM Electric Services Division for the installation, maintenance and service of overhead and underground electrical lines, transformers, poles and any other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical services.

2. The PNM Gas Services Division for installation, maintenance and services of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.

3. Qwest for installation, maintenance and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and closures.

4. Comcast cable for installation, maintenance and service of such lines, cable and other related equipment and facilities reasonably necessary to provide Cable TV service. Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate and maintain facilities for the purposes described above, together with free access to, from and over said easement, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (above ground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electrical Safety Code caused by construction of pools, decking or any structures adjacent to within or near easements shown on this plat.

In approving this plat, the utility companies did not conduct a Title Search of the properties shown hereon. Consequently, the utility companies do not waive or release any easement or easement rights which may have been granted by prior plat, replat or other document and which are not shown on this plat.

Easements for electric transformers/switchgears, as installed, shall extend ten feet (10') in front of transformer/switchgear doors and five feet (5') on each side.

In approving this plat, PNM Electric Services and Gas Services (PNM) did not conduct a Title Search of the properties shown hereon. Consequently, PNM does not waive nor release any easement or easement rights to which it may be entitled.

11-16-00

Dwg:	A0012SHT2	Drawn:	SPS	Checked:	ALS	Sheet 2 of 3
Scale:	1"=1'	Date:	11/14/00	Job:	A0012	

BULK PLAT FOR
TRACT T-2-A AND T-2-B
VISTA DEL NORTE
WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22
TOWNSHP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 2000

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Page: 3 of 3
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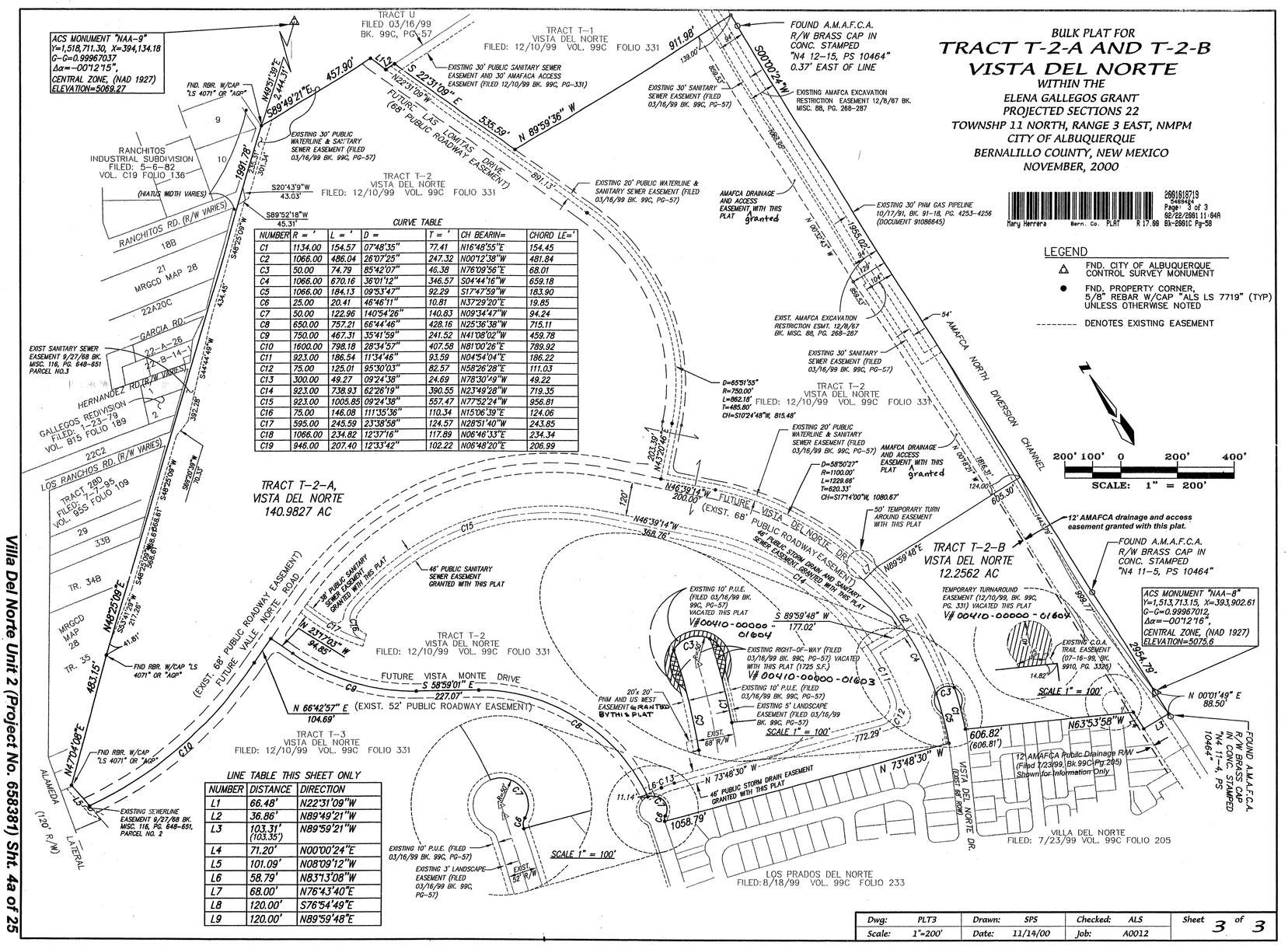
Mary Herrera Bern. Co. PLAT R 17.00 Bk-2001C Pg-58



CURVE TABLE

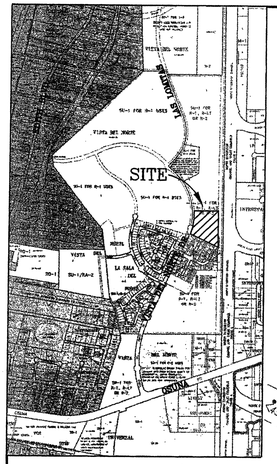
NUMBER	R = '	L = '	D =	T = '	CH BEARIN=	CHORD LE= '
C1	1134.00	154.57	07°48'35"	77.41	N16°48'55"E	154.45
C2	1066.00	486.04	26°07'25"	247.32	N00°12'38"W	481.84
C3	50.00	74.79	85°42'07"	46.38	N76°09'56"E	68.01
C4	1066.00	670.16	36°01'12"	346.57	S04°44'16"W	659.18
C5	1066.00	184.13	09°53'47"	92.29	S17°47'59"W	183.90
C6	25.00	20.41	46°46'11"	10.81	N37°29'20"E	19.85
C7	50.00	122.96	140°54'26"	140.83	N09°34'47"W	94.24
C8	650.00	757.21	66°44'46"	428.16	N25°36'38"W	715.11
C9	750.00	467.31	35°41'59"	241.52	N41°08'02"W	459.78
C10	1600.00	798.18	28°34'57"	407.58	N81°00'28"E	789.92
C11	923.00	186.54	11°34'46"	93.59	N04°54'04"E	186.22
C12	75.00	125.01	95°30'03"	82.57	N58°26'28"E	111.03
C13	300.00	49.27	09°24'38"	24.69	N78°30'19"W	49.22
C14	923.00	738.93	62°26'19"	390.55	N23°49'28"W	719.35
C15	923.00	1005.85	09°24'38"	557.47	N77°52'24"W	956.81
C16	75.00	146.08	111°35'36"	110.34	N15°06'39"E	124.06
C17	595.00	245.59	23°38'58"	124.57	N28°51'40"W	243.85
C18	1066.00	234.82	12°37'16"	117.89	N06°46'33"E	234.34
C19	946.00	207.40	12°33'42"	102.22	N06°48'20"E	206.99

LINE TABLE THIS SHEET ONLY

NUMBER	DISTANCE	DIRECTION
L1	66.48'	N22°31'09"W
L2	36.86'	N89°49'21"W
L3	103.31' (103.35')	N89°59'21"W
L4	71.20'	N00°00'24"E
L5	101.09'	N08°09'12"W
L6	58.79'	N83°13'08"W
L7	68.00'	N76°43'40"E
L8	120.00'	S76°54'49"E
L9	120.00'	N89°59'48"E

Dwg:	PLT3	Drawn:	SPS	Checked:	ALS	Sheet 3 of 3
Scale:	1"=200'	Date:	11/14/00	Job:	A0012	

Villa Del Norte Unit 2 (Project No. 658381) Sht. 4a of 25



VICINITY MAP ZONE ATLAS = D-16

SCANNED BY
MESA REPRO

LOS PRADOS DEL NORTE
FILED: 8/18/99 VOL. 99C FOLIO 233

VILLA DEL NORTE - UNIT 1
FILED: 7/23/99 VOL. 99C FOLIO 205

FUTURE 36" SD

FUTURE 36" SD

SDMH #1

SDMH #2

NEW 24" RCP

NEW 18" RCP

36" RCP

5' LANDSCAPE EASEMENT

5' LANDSCAPE EASEMENT

SGL "C" INLET

SGL "C" INLET

DBL "A" INLET

DBL "A" INLET

(2) DOUBLE "A" INLETS

SUBBASIN H1

SUBBASIN H2

SUBBASIN H3

SUBBASIN H4

SUBBASIN H5

SUBBASIN H6

EXIST. AMAFCA EXCAVATION RESTRICTION ESMT. 12/8/67 BK. MISC 88, PG. 268-287

SOIL-CEMENT TRANSITION

EXISTING 30" PNM GAS PIPELINE AND COMMUNICATION EASEMENT 10/17/91, BK. 91-18, PG. 4253-4256

4' WIDE BERM EL = 44.50

12' AMAFCA ACCESS EASEMENT

EXIST. AMAFCA EXCAVATION RESTRICTION ESMT. 12/8/67 BK. MISC 88, PG. 268-287

HANDRAIL

ASPHALT

AMAFCA NORTH DIVERSION CHANNEL

DEPRESSED STD. CURB & GUTTER

4.0' 5.0' 1.0' MIN. 45.84 FL 45.50 48.00 3:1 SLOPE MATCH EXIST.

SECTION A-A
NTS

12' ACCESS ROAD 6' 3' 2.0% 3:1 1' (TYP) RETAINING WALL MATCH EXIST. SLOPE @ 3:1 MAX.

SECTION B-B
NTS

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, Inc., and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 1-11-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

8-9-2001

LEGEND

- NEW RETAINING WALL
- NEW SIDEWALK
- NEW MOUNTABLE CURB & GUTTER
- NEW STANDARD CURB & GUTTER
- NEW TRACT/LOT BOUNDARY
- NEW RIGHT OF WAY
- NEW EASEMENTS
- NEW CENTERLINE
- NEW 36" SD — NEW STORMDRAIN
- FUTURE 36" SD — FUTURE STORMDRAIN
- NEW GARDEN WALL
- NEW SWALE
- 1.0% NEW FLOW
- NEW SLOPES
- 40.55 / 39.88 42.15 NEW SPOT ELEVATIONS
- EXISTING CURB AND GUTTER
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- —W— EXISTING WATERLINE
- —E— EXISTING OVERHEAD ELECTRIC LINE
- EXISTING FIRE HYDRANT
- 5135 EXISTING CONTOURS
- TC= / FL= EXISTING TOP OF CURB / EXISTING FLOWLINE
- x 00.00 EXISTING SPOT ELEVATION
- EXISTING RETAINING WALL
- FP= 30.38 EXISTING FINISHED PAD ELEVATION

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 NOT LIE IN A 100 YEAR FLOOD ZONE.

LEGAL DESCRIPTION

A PORTION OF TRACT T-2 VISTA DEL NORTE WITHIN ELENA GALLEGOS GRANT PROJECTED SECTIONS 22 AND 27 TOWNSHIP 11 NORTH, RANGE 3 EAST, N.M.P.M.

50' 25' 0 50' 100'
SCALE: 1" = 50'

A0012VDN/0012-GD50/12-06-00/DLH ACH

AS BUILT INFORMATION

CONTRACTOR Hydro-Systems

WORK STAKED BY	ALS	DATE 4/01
ACCEPTANCE INSPECTIONS BY	DMG	DATE 10/01
FIELD VERIFICATION BY	ALS	DATE 10/01
DRAWING MARKUPS CORRECTED BY	ALS	DATE 10/01
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

ACS MONUMENT "NM4-8"
Y=1,513,713.15, X=393,902.61
0-0=0.99967012
Δα=-00°12'16", CENTRAL ZONE,
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY	DATE
		REVISIONS		
		DESIGN		12/00
		DESIGNED BY DLH		12/00
		DRAWN BY ACH		12/00
		CHECKED BY DMG		

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: VILLA DEL NORTE - UNIT 2
GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
approved	DRB			

CITY PROJECT NO. 658381 | ZONE MAP NO. D-16 | SHEET 5 OF 25

NOTES

1. ALL SIDEWALKS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2430.
2. ALL 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420.
3. ALL 4' INTERIOR SIDEWALKS ARE DEFERRED.
4. ALL HANDICAP RAMPS ARE PER DETAIL ON THIS SHEET.
5. TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE 10 FEET.
6. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50 FEET.
7. SOILS NOT HAVING A MINIMUM R VALUE OF 50 SHALL BE REMOVED TO A DEPTH OF 2' AND REPLACED BY THE CONTRACTOR WITH A SUITABLE MATERIAL OR A PAVEMENT SECTION SHALL BE DESIGNED BY A CONTRACTOR ACCOMADATING THE EXISTING R VALUE PER COA STANDARD SPECIFICATIONS.

NOTES

All medians in Vista Del Norte Drive that are 5' or less in width Flowline to Flowline shall be paved with 4" portland cement red patterned concrete. End paving where median widens past 5'.

LOS PRADOS DEL NORTE
FILED: 8/18/99 VOL. 99C FOLIO 233

VISTA DEL NORTE DR.

FUTURE ROAD

VILLA DEL NORTE - UNIT 1
FILED: 7/23/99 VOL. 99C FOLIO 205

VILLA CLAVEL (PRIVATE STREET)

VILLA MARGARITA

VILLA TULIPAN (PRIVATE STREET)

VILLA ROSADO (PRIVATE STREET)

VILLA CORRALES NE

VILLA LILA (PRIVATE ST.)

VILLA LIRIO

VILLA CAMILLA

VILLA CIELAJE

VILLA MONTANA

VILLA SANDIA RD

VILLA CAMPANA

TRACT L

TRACT M

EXIST. STREETLIGHT

EXIST. AMAFCA EXCAVATION RESTRICTION ESMT. 12/8/67 BK. MISC. 88, PG. 268-287

EXISTING 30' PNM GAS PIPELINE AND COMMUNICATION EASEMENT 10/17/91, BK. 91-18, PG. 4253-4256

EXISTING AMAFCA EXCAVATION RESTRICTION

EXIST 12' AMAFCA ACCESS & DRAINAGE EASEMENT

AMAFCA EXCAVATION RESTRICTION

EXIST. AMAFCA EXCAVATION RESTRICTION ESMT. 12/8/67 BK. MISC. 88, PG. 268-287

RECORD DRAWING

GRADE IN THESE AREAS IS NOT CRITICAL.

THIS AREA IS 5' x 5' w/ 50:1 MAX. SLOPE

A = CURB RETURN POINT
B = QUARTER POINTS
C = 5' BEHIND FACE OF CURB RETURN
D = RIGHT OF WAY RETURN POINT

HEADER CURB

GENERAL WHEEL CHAIR RAMP DETAIL

NOT TO SCALE

ALL WHEELCHAIR RAMPS TO BE CONSTRUCTED WITH THIS PROJECT PER COA STD DWG 2441.

LEGEND

- EXISTING RETAINING WALL
- EXISTING CURB & GUTTER
- EXISTING FENCE
- EXISTING TOP OF CURB / EXISTING FLOWLINE
- NEW RETAINING WALL
- NEW GARDEN WALL
- NEW PUBLIC EASEMENTS
- NEW STANDARD CURB & GUTTER
- NEW MOUNTABLE CURB & GUTTER
- NEW PROPERTY LINE
- NEW LOT LINE
- NEW RIGHT-OF-WAY
- NEW EASEMENT
- NEW SIDEWALK THIS PROJECT
- NEW OFFSITE PAVEMENT
- NEW TEMPORARY PAVEMENT
- REMOVE TEMPORARY PAVEMENT AND CURB
- STREETLIGHT

SCALE: 1" = 50'

50' R/W OR 48' R/W
32' F-F OR 30' F-F
STANDARD CURB & GUTTER OR MOUNTABLE CURB & GUTTER PER CITY STD DWG. 2415.
1 1/2" ASPHALTIC SURFACE COURSE (TYPE B) 1500 #STAB
1 1/2" ASPHALTIC BASE COURSE (TYPE B) 1500 #STAB
12" SUBGRADE PREPARATION. @ 95% COMPACTION SEE NOTE 7
TYPICAL 50' RESIDENTIAL STREET SECTION
N.T.S.

AMAFCA ℄ NORTH DIVERSION CHANNEL
5' LANDSCAPE EASEMENT
68' R/W
46' F-F
10' BIKE TRAIL (FUTURE)
STANDARD CURB & GUTTER PER CITY STD DWG. 2415.
11' Turn Lane
MEDIAN CURB & GUTTER PER COA STD DWG 2415
2" AC 1800# STAB TYPE B GRAD
2 1/2" AC 1800# STAB TYPE B GRAD
12" SUBGRADE PREPARATION. @ 95% COMPACTION SEE NOTE 7
VISTA DEL NORTE DR. - A-A
PER PROJ. NO. 5970.81 VISTA DEL NORTE UNIT 1
N.T.S.

25' PRIVATE STREET
24' F-F
MAINTENANCE EASEMENT
STANDARD CURB & GUTTER OR MOUNTABLE CURB & GUTTER PER CITY STD DWG. 2415.
1 1/2" ASPHALTIC SURFACE COURSE (TYPE B) 1500M
1 1/2" ASPHALTIC BASE COURSE (TYPE B) 1500M
12" SUBGRADE PREPARATION. 2 - 6" LIFTS @ 95% COMPACTION SEE NOTE 7
TYPICAL 25' RESIDENTIAL STREET SECTION
N.T.S.

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed complies with the substantial compliance with the Approved Plan.

Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

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:
VILLA DEL NORTE - UNIT 2
MASTER PAVING PLAN

DESIGN REVIEW COMMITTEE: APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 17 2001 CITY ENGINEER

LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. 658381 | ZONE MAP NO. D-16 | SHEET 6 OF 25

A0012VDN/0012-MP50/03-16-01/ACH KJS DLH

AS BUILT INFORMATION
CONTRACTOR Hydro-Systems DATE 4/01
WORK INSPECTED BY ALS
INSPECTOR'S ACCEPTANCE BY DMG DATE 10/01
FIELD TESTS APPROVED BY ALS DATE 10/01
VERIFICATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=493,902.61
C-C=0.99967012.
Δα=-00°12'16", CENTRAL ZONE.
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
10/1/01

NO.	REMARKS	BY	DATE
	REVISIONS		
	DESIGN		01/01
	DESIGNED BY DLH		01/01
	DRAWN BY ACH		01/01
	CHECKED BY DMG		01/01

SCANNED BY MESA REPRO

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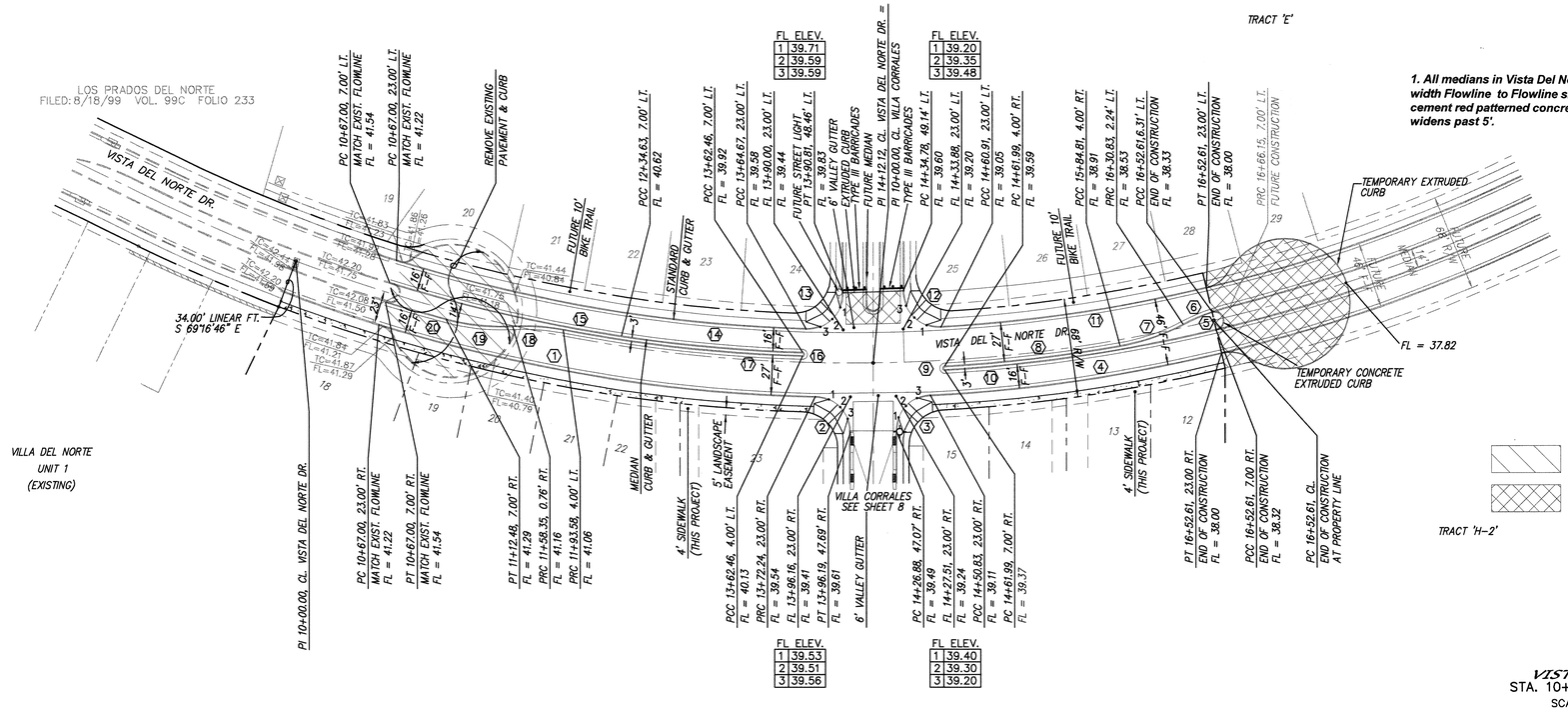
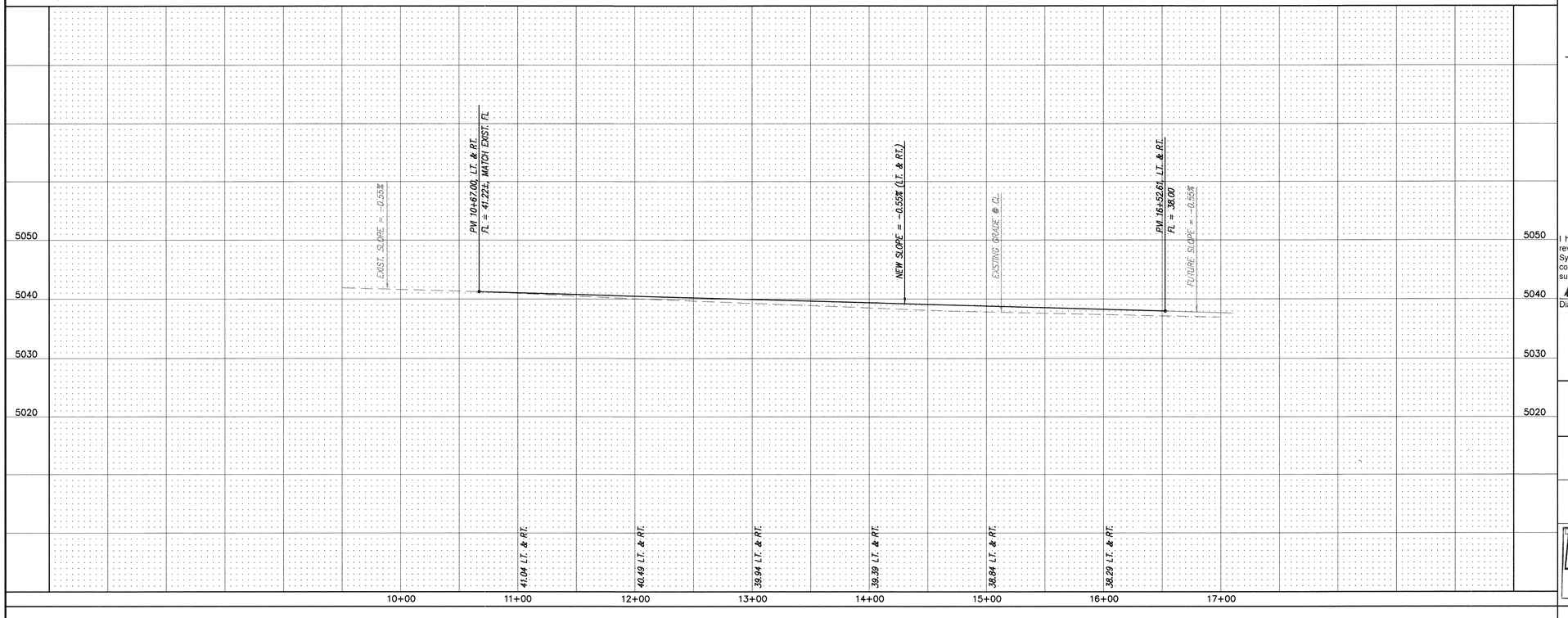


1. All medians in Vista Del Norte Drive that are 5' or less in width Flowline to Flowline shall be paved with 4" portland cement red patterned concrete. End paving where median widens past 5'.

VISTA DEL NORTE DR.
STA. 10+00.00 TO STA. 16+52.61
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



A0012VDN/0012PP-5/03-18-01/ACH KJS

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 15°49'21"
R = 1123.00'
L = 310.12'
T = 156.05'

② Δ = 88°39'55"
R = 25.00'
L = 38.69'
T = 24.42'

③ Δ = 87°14'27"
R = 25.00'
L = 38.07'
T = 23.82'

④ Δ = 10°30'35"
R = 1123.00'
L = 205.99'
T = 103.29'

⑤ Δ = 186°42'20"
R = 6.67'
L = 21.73'
T = N/A

⑥ Δ = 08°26'15"
R = 150.00'
L = 22.09'
T = 11.06'

⑦ Δ = 17°49'18"
R = 150.00'
L = 46.66'
T = 23.52'

⑧ Δ = 06°23'51"
R = 1104.00'
L = 123.27'
T = 61.70'

⑨ Δ = 180°00'00"
R = 1.50'
L = 4.71'
T = N/A

⑩ Δ = 09°56'06"
R = 1107.00'
L = 191.95'
T = 96.22

⑪ Δ = 9°59'06"
R = 1077.00'
L = 187.69'
T = 94.08'

⑫ Δ = 93°17'02"
R = 25.00'
L = 40.70'
T = 26.48'

⑬ Δ = 91°43'44"
R = 25.00'
L = 40.02'
T = 25.77'

⑭ Δ = 15°29'52"
R = 1077.00'
L = 291.32'
T = 146.55'

⑮ Δ = 15°22'57"
R = 1093.00'
L = 293.44'
T = 147.61'

⑯ Δ = 180°00'00"
R = 1.50'
L = 4.71'
T = N/A

⑰ Δ = 08°47'47"
R = 1096.00'
L = 168.26'
T = 84.30'

⑱ Δ = 13°35'26"
R = 150.00'
L = 35.58'
T = 17.87'

⑲ Δ = 17°48'54"
R = 150.00'
L = 46.64'
T = 23.51'

⑳ Δ = 2°17'30"
R = 1107.00'
L = 44.29'
T = 22.14'

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 33°59'32"
R = 1110.00'
L = 652.61'
T = N/A

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

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: *VILLA DEL NORTE - UNIT 2*
PAVING IMPROVEMENTS
VISTA DEL NORTE DRIVE

DESIGN REVIEW COMMITTEE: APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 17 2001 CITY ENGINEER

LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
658381	D-16	7	25

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
C-G=0.99967012,
Δα=-00°12'16", CENTRAL ZONE,
(NAD 1927)
ELEVATION=5075.6

AS BUILT INFORMATION

CONTRACTOR	Hydro Systems	
WORK STAKED BY	ALS	DATE 4/01
MISC. WORKS ACCEPTANCE BY	DMG, S. Mayfield	DATE 10/01
FIELD VERIFICATION BY	ALS/S. Mayfield	DATE 10/01
DRAWINGS CORRECTED BY	ALS	DATE 10/01
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
3-19-01

NO.	DATE	REMARKS / REVISIONS	BY	DESIGN	DATE	01/01
				DESIGNED BY	DATE	01/01
				DRAWN BY	DATE	01/01
				CHECKED BY	DATE	01/01
				DLH		
				ACH		
				DMG		

SCANNED BY
MESA REPRO

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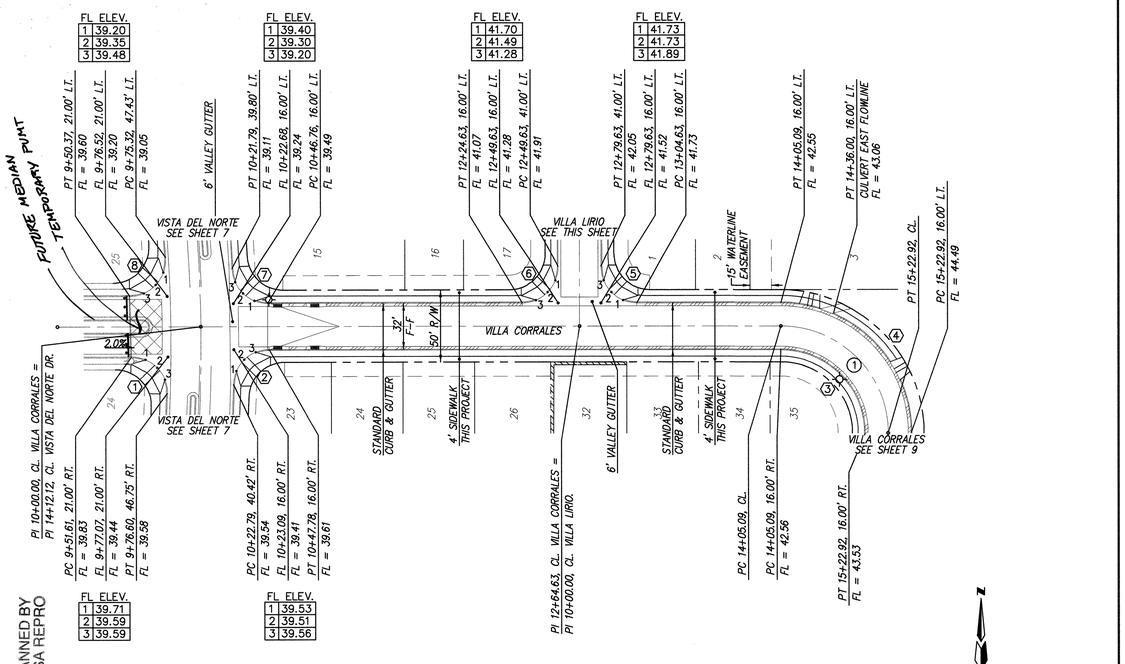
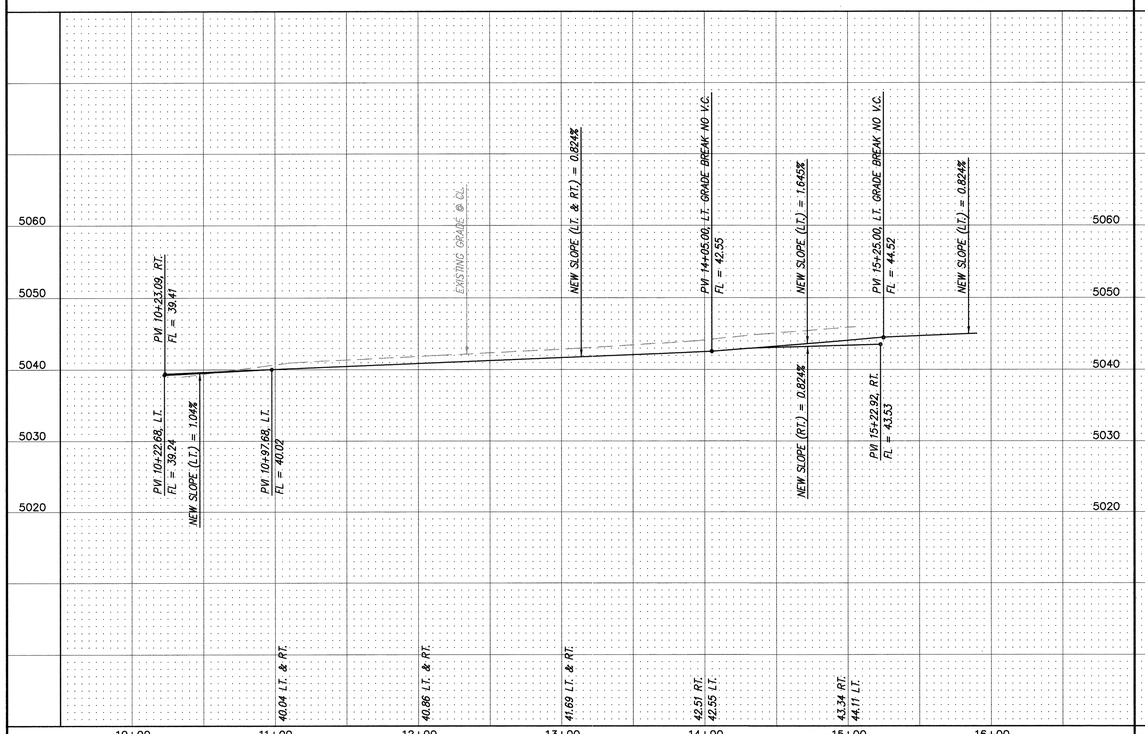
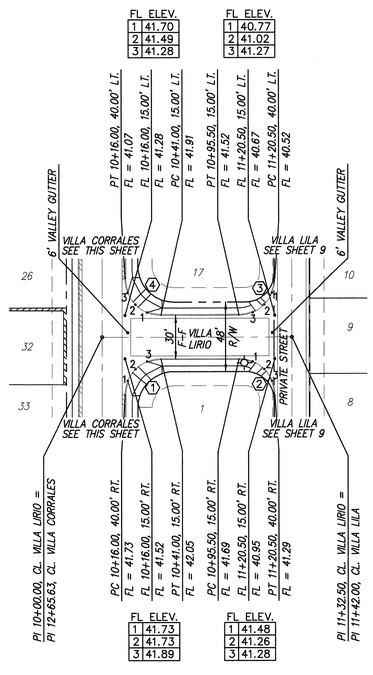
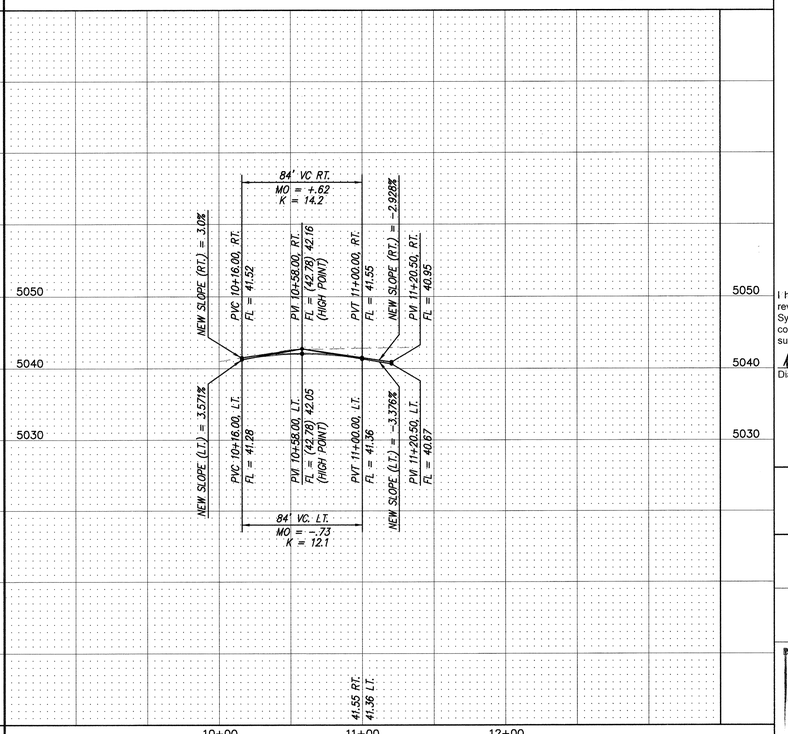


VILLA CORRALES
STA. 10+00.00 TO STA. 15+22.92
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'





VILLA LIRIO
STA. 10+00.00 TO STA. 11+32.50
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

VILLA CORRALES

CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 91°43'44"
R = 25.00'
L = 40.02'
T = 25.77'

② Δ = 88°39'55"
R = 25.00'
L = 38.69'
T = 24.42'

③ Δ = 90°00'36"
R = 59.00'
L = 92.69'
T = 59.01'

④ Δ = 90°00'36"
R = 91.00'
L = 142.96'
T = 91.02'

⑤ Δ = 90°00'00"
R = 25.00'
L = 39.27'
T = 25.00'

⑥ Δ = 90°00'00"
R = 25.00'
L = 39.27'
T = 25.00'

⑦ Δ = 87°14'27"
R = 25.00'
L = 38.07'
T = 23.82'

⑧ Δ = 93°17'02"
R = 25.00'
L = 40.70'
T = 26.48'

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 90°00'36"
R = 75.00'
L = 117.82'
T = 75.02'

VILLA LIRIO

CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 90°00'00"
R = 25.00'
L = 39.27'
T = 25.00'

② Δ = 90°00'00"
R = 25.00'
L = 39.27'
T = 25.00'

③ Δ = 90°00'00"
R = 25.00'
L = 39.27'
T = 25.00'

④ Δ = 90°00'00"
R = 25.00'
L = 39.27'
T = 25.00'

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

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: VILLA DEL NORTE - UNIT 2
PAVING IMPROVEMENTS
VILLA CORRALES - VILLA LIRIO

DESIGN REVIEW COMMITTEE: APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 17 2001 CITY ENGINEER
LAST DESIGN UPDATE: MO./DAY/YR.

CITY PROJECT NO. 658381 | ZONE MAP NO. D-16 | SHEET 8 OF 25

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
C-C=0.99967012.
Δα=-0°12'16", CENTRAL ZONE.
(NAD 1927)
ELEVATION=5075.6

AS BUILT INFORMATION
CONTRACTOR Hydro Systems DATE 4/01
WORK STAKED BY ALS
INSPECTED BY ALS DATE 10/01
ACCEPTANCE BY DMG/SMcGee DATE 10/01
FIELD VERIFICATION BY ALS/SMcGee DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

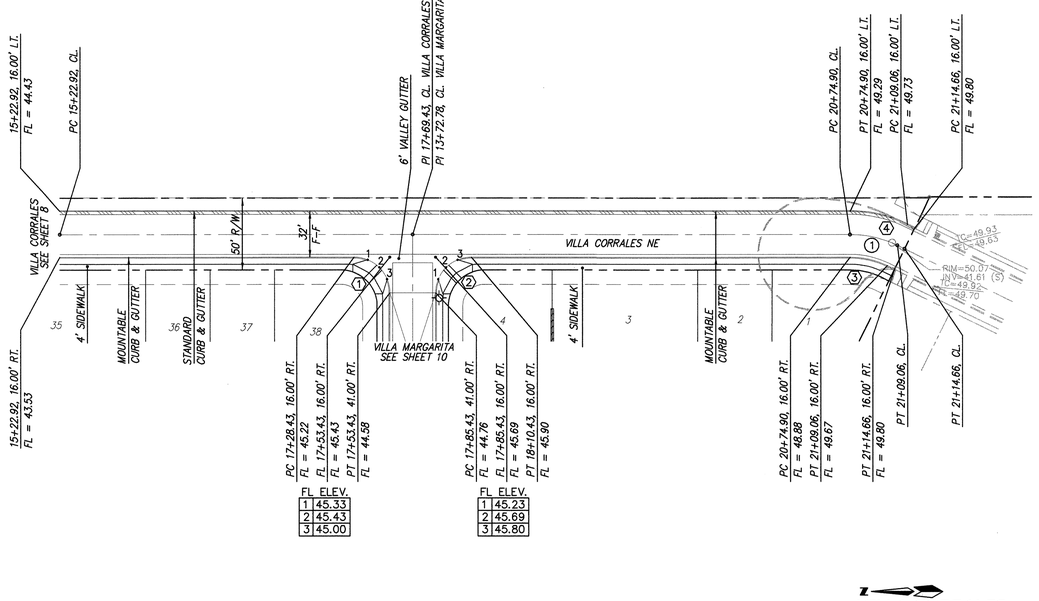
ENGINEER'S SEAL
DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DLH	DATE 01/01
		DRAWN BY ACH	DATE 01/01
		CHECKED BY DMG	DATE 01/01

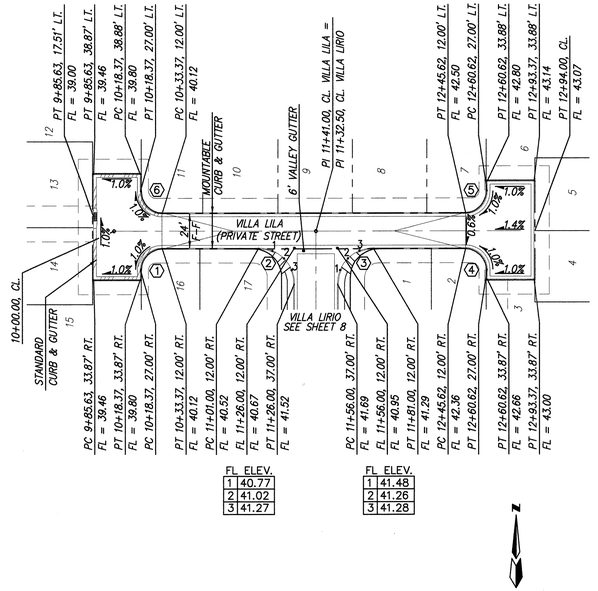
A0012VDN/0012PP-2/02-22-01/ACH/KJS

SCANNED BY MESA REPRO

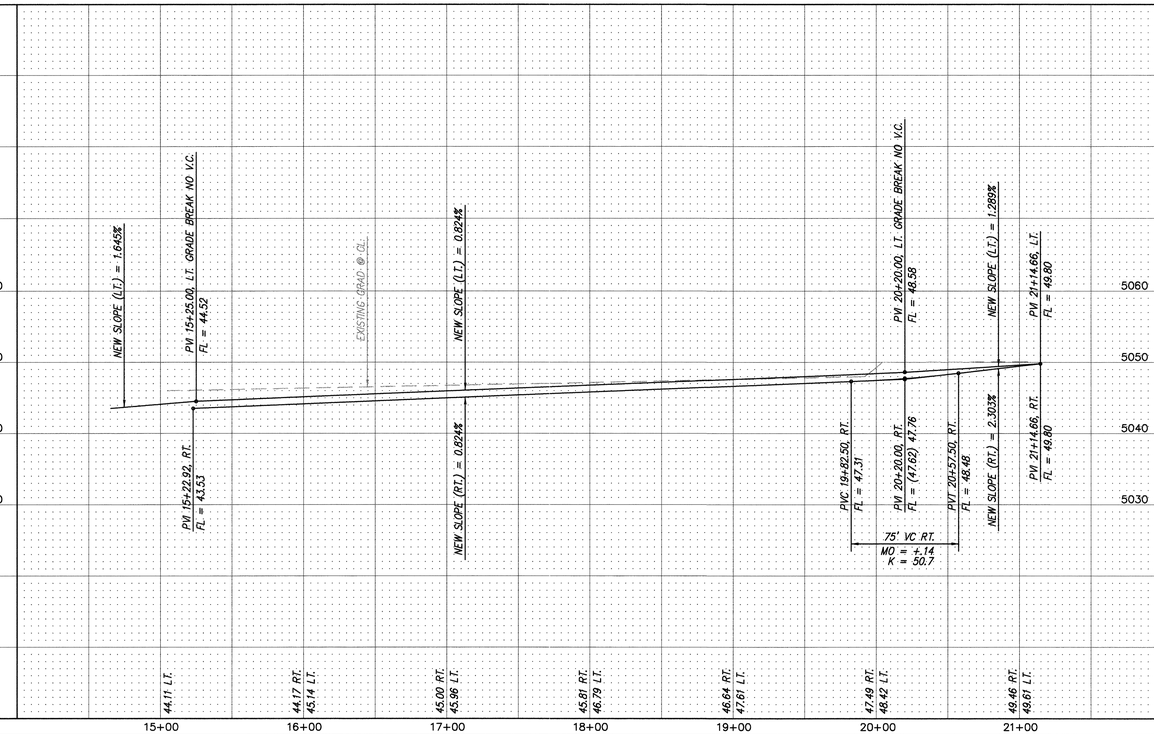
F:\DATA\DWGS\A0010DS\A0012VDN\UNI2\0012PP-2.dwg Mon Feb 26 12:16:48 2001 D. MARK GOODWIN & ASSOCIATES PLOTTED BY: KJS

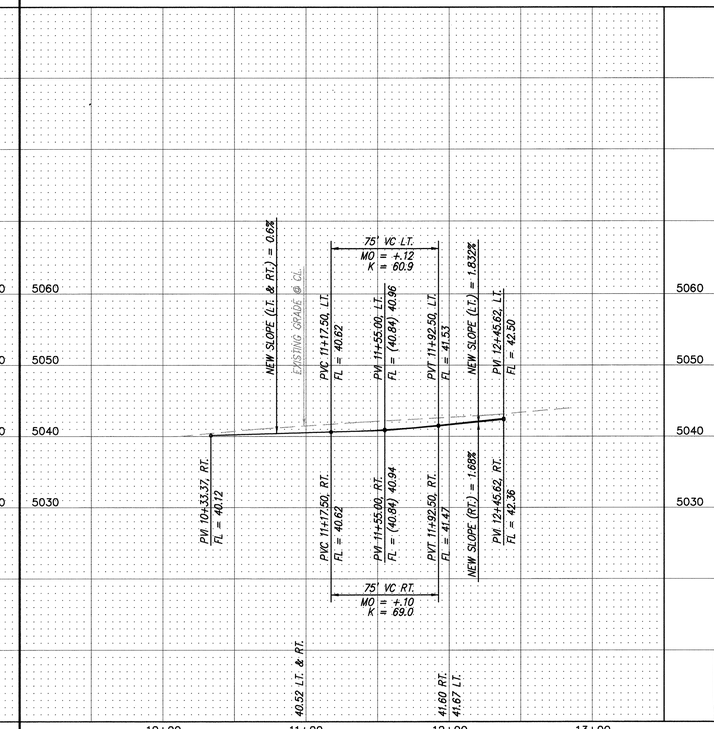


VILLA CORRALES
STA. 15+22.92 TO STA. 21+14.66
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



VILLA LILA
STA. 10+00.00 TO STA. 12+84.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'





A0012VDN/0012PP-1/02-22-01/ACH KJS

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

VILLA CORRALES

CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 90°00'00" R = 25.00' L = 39.27' T = 25.00'
② Δ = 90°00'00" R = 15.00' L = 39.27' T = 25.00'
③ Δ = 26°05'38" R = 58.00' L = 26.87' T = 13.67'
④ Δ = 26°05'38" R = 91.00' L = 41.44' T = 21.09'

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 26°05'38" R = 75.00' L = 34.16' T = 17.38'

VILLA LILA

CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 90°00'00" R = 15.00' L = 23.56' T = 15.00'
② Δ = 90°00'00" R = 25.00' L = 39.27' T = 25.00'
③ Δ = 90°00'00" R = 25.00' L = 39.27' T = 25.00'
④ Δ = 90°00'00" R = 15.00' L = 23.56' T = 15.00'
⑤ Δ = 90°00'00" R = 15.00' L = 23.56' T = 15.00'
⑥ Δ = 90°00'00" R = 15.00' L = 23.56' T = 15.00'

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

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

AS BUILT INFORMATION
CONTRACTOR Hydro-Systems DATE 4/01
WORK STAKED BY ALS
INSPECTIONS ACCEPTANCE BY DMG/ALS/Mayfield DATE 10/01
FIELD REVISIONS BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
G-G=0.99967012,
Δα=-0°12'16", CENTRAL ZONE,
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
4-4-02

NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	
		DESIGNED BY DLH	DATE 01/01
		DRAWN BY ACH	DATE 01/01
		CHECKED BY DMG	DATE 01/01

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VILLA DEL NORTE - UNIT 2
PAVING IMPROVEMENTS
VILLA CORRALES RD. - VILLA LILA

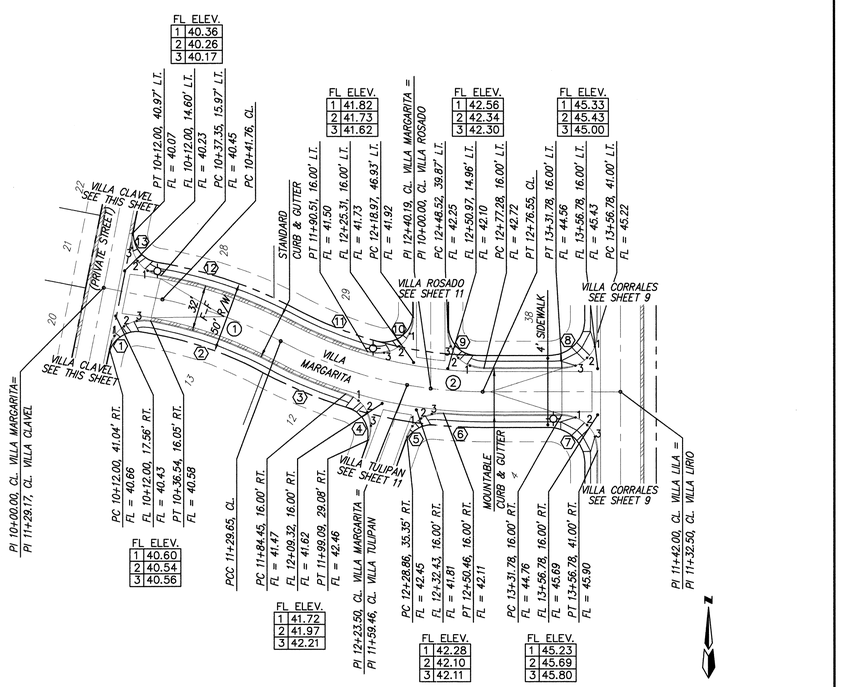
DESIGN REVIEW COMMITTEE: APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 17 2001 CITY ENGINEER
LAST DESIGN UPDATE: MO./DAY/YR.

CITY PROJECT NO. 658381
ZONE MAP NO. D-16
SHEET 9 OF 25

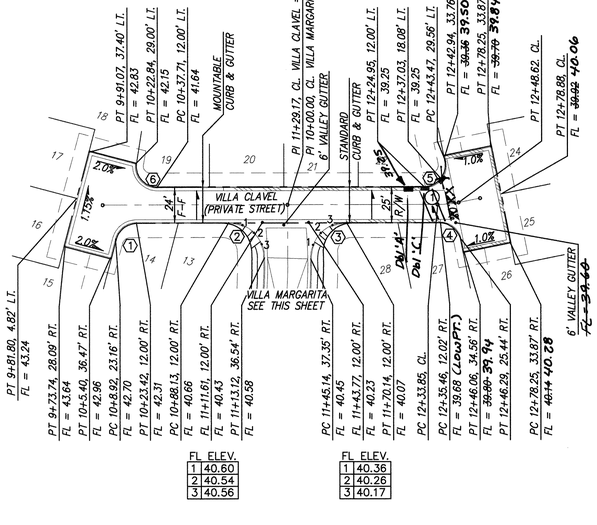
SCANNED BY
MESA REPRO

F:\UA1A\UMGS\AU0JOBS\A0012VDN\UNIT2\U012PP-1.dwg Mon Feb 26 11:36:52 2001 D. MARK GOODWIN & ASSOCIATES PLOTTED BY: KJS

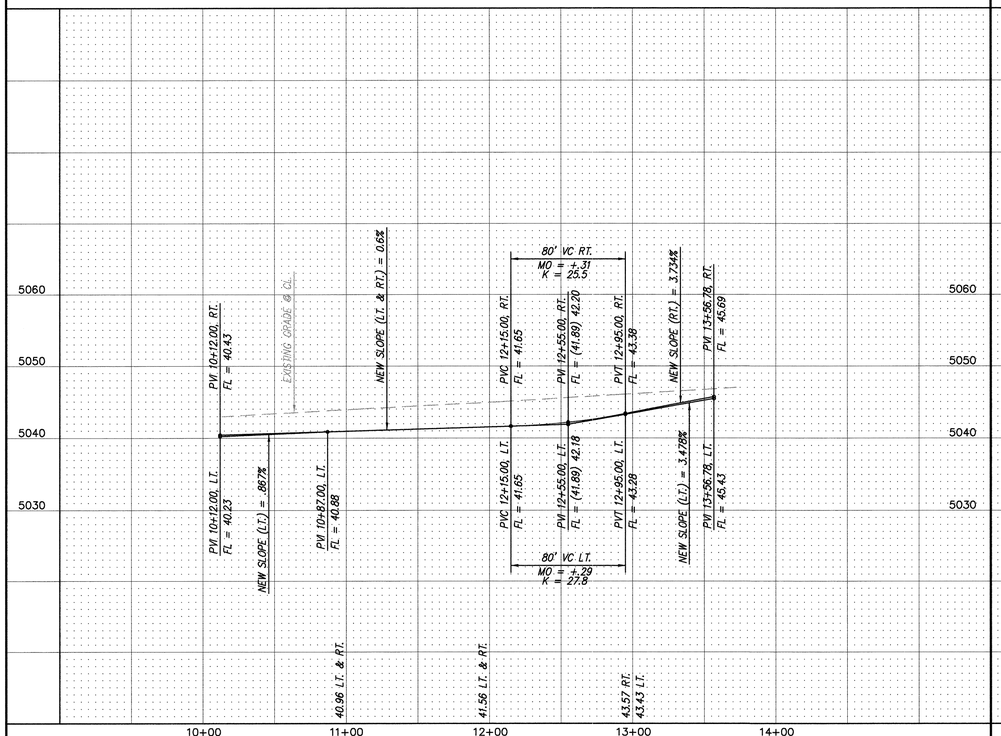
SCANNED BY
MESA REPRO

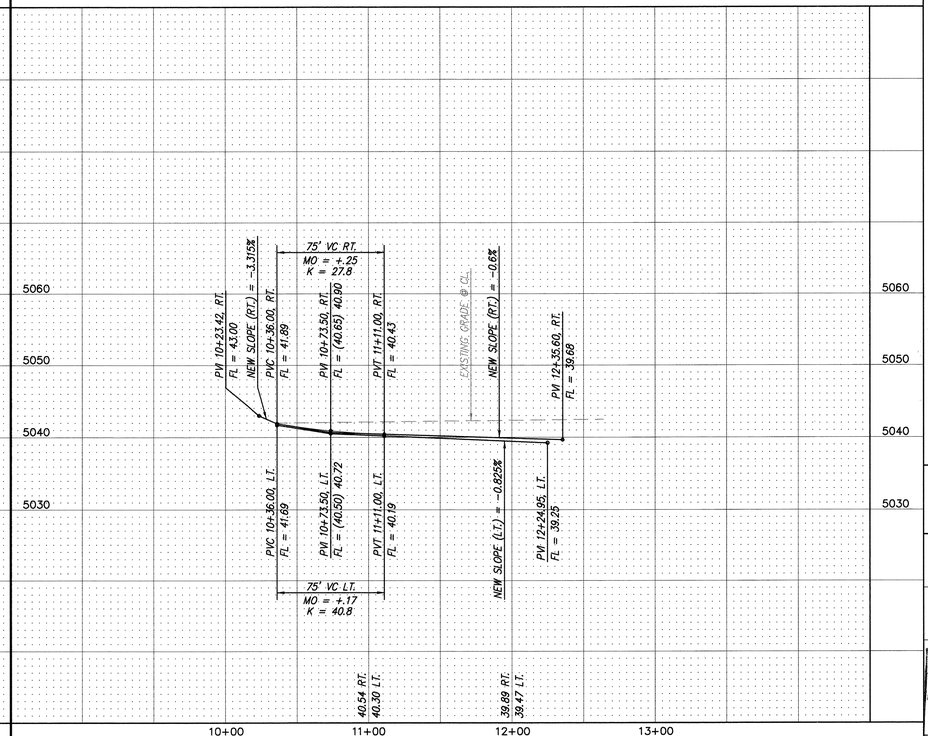


VILLA MARGARITA
STA. 10+00.00 TO STA. 13+72.78
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



VILLA CLAVEL
STA. 10+00.00 TO STA. 12+63.88
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'





A0012VDN/0012PP-3/02-22-01/ACH KJS

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

VILLA CLAVEL
CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 75°10'37"
R = 15.00'
L = 19.68'
T = 11.54'

② Δ = 88°56'45"
R = 25.00'
L = 38.81'
T = 24.54'

③ Δ = 90°48'02"
R = 25.00'
L = 39.62'
T = 25.35'

④ Δ = 78°43'09"
R = 15.00'
L = 20.61'
T = 12.30'

⑤ Δ = 101°16'51"
R = 15.00'
L = 26.52'
T = 18.29'

⑥ Δ = 97°38'45"
R = 15.00'
L = 25.56'
T = 17.15'

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 11°16'51"
R = 75.00'
L = 14.77'
T = 7.41'

VILLA MARGARITA
CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 88°56'45"
R = 25.00'
L = 38.81'
T = 24.54'

② Δ = 17°50'20"
R = 284.00'
L = 88.42'
T = 44.57'

③ Δ = 10°28'00"
R = 316.00'
L = 57.73'
T = 28.94'

④ Δ = 92°30'18"
R = 25.00'
L = 40.36'
T = 26.12'

⑤ Δ = 74°53'15"
R = 25.00'
L = 32.68'
T = 19.14'

⑥ Δ = 4°58'53"
R = 316.00'
L = 27.47'
T = 13.75'

⑦ Δ = 90°00'00"
R = 25.00'
L = 39.27'
T = 25.00'

⑧ Δ = 90°00'00"
R = 25.00'
L = 39.27'
T = 25.00'

⑨ Δ = 90°00'00"
R = 25.00'
L = 39.27'
T = 25.00'

⑩ Δ = 106°25'58"
R = 25.00'
L = 46.44'
T = 33.44'

⑪ Δ = 11°37'22"
R = 284.00'
L = 57.61'
T = 28.91'

⑫ Δ = 17°35'07"
R = 316.00'
L = 96.99'
T = 48.88'

⑬ Δ = 90°48'02"
R = 25.00'
L = 39.62'
T = 25.35'

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 16°47'05"
R = 300.00'
L = 87.88'
T = 44.26'

② Δ = 28°03'20"
R = 300.00'
L = 146.90'
T = 74.95'

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

AS BUILT INFORMATION
CONTRACTOR Hydro-Systems
WORK STAKED BY ALS DATE 4/01
INSPECTIONS ACCEPTANCE BY DMG DATE 10/01
FIELD VERIFICATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,802.61
G-O=0.99967012,
Δα=-0°12'16", CENTRAL ZONE.
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
10-22-01

NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	
	DATE	DESIGNED BY DLH	01/01
	DATE	DRAWN BY ACH	01/01
	DATE	CHECKED BY DMG	01/01

mg 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

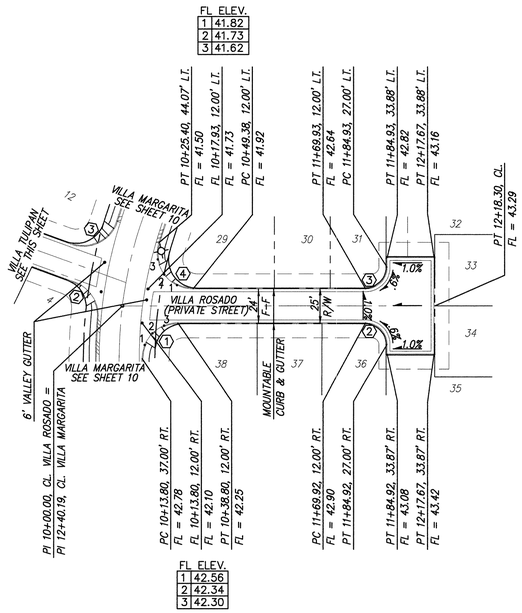
TITLE: VILLA DEL NORTE - UNIT 2
PAVING IMPROVEMENTS
VILLA MARGARITA - VILLA CLAVEL

DESIGN REVIEW COMMITTEE: APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 17 2001 CITY ENGINEER
LAST DESIGN UPDATE: MO./DAY/YR. | MO./DAY/YR.

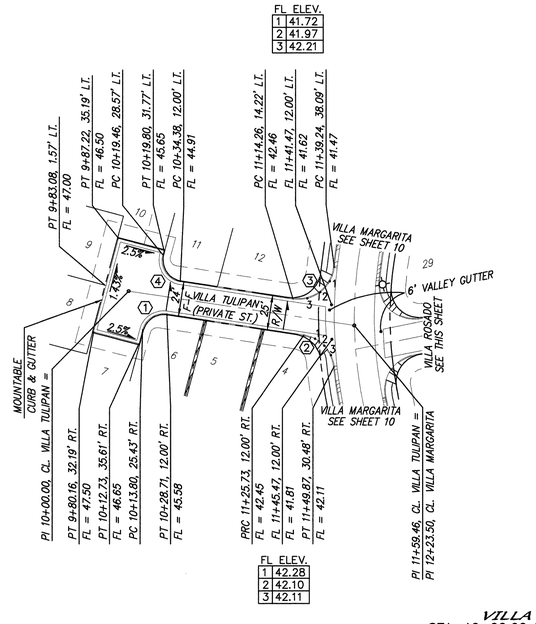
CITY PROJECT NO. 658381 | ZONE MAP NO. D-16 | SHEET 10 OF 25

P:\UA1A\UMGS\AUG\GDS\AUG12VUN\UN12\U012PP-3.dwg MON FEB 26 11:29:19 2001 U. MARK GOODWIN & ASSOCIATES PLOTTED BY: KJS

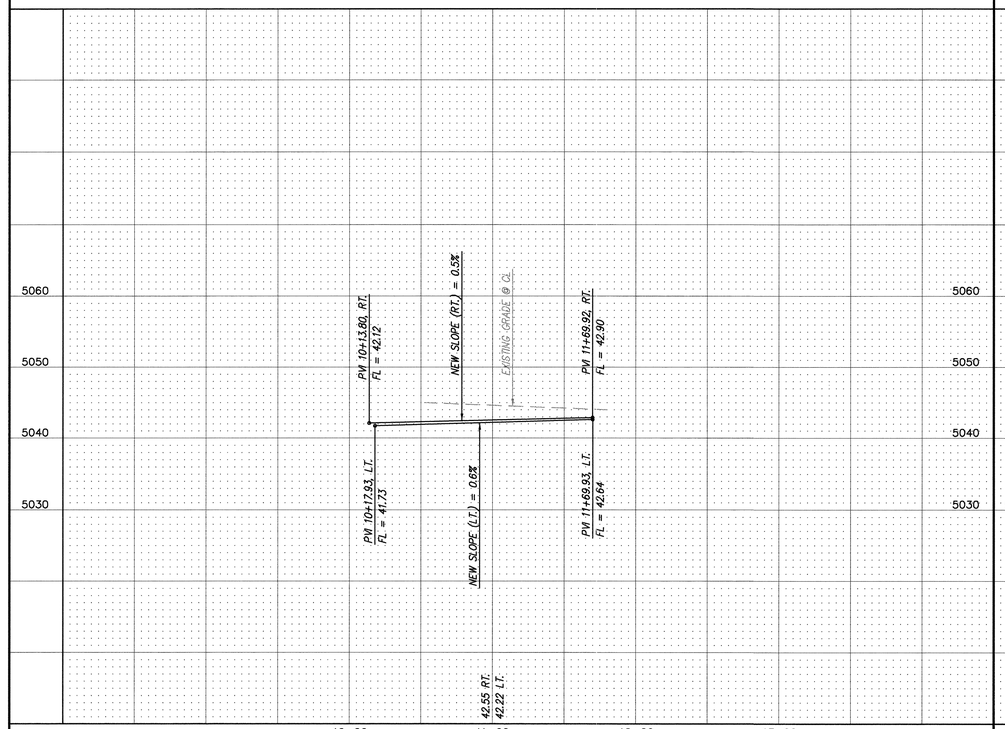
SCANNED BY
MESA REPRO

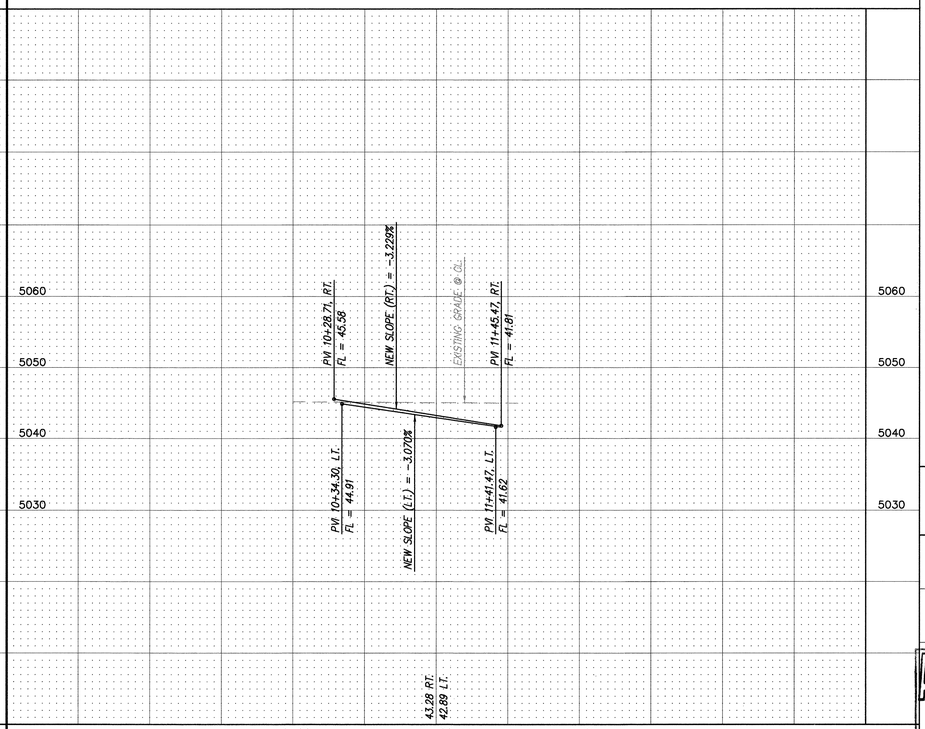


VILLA ROSADO
STA. 10+00.00 TO STA. 12+03.30
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



VILLA TULIPAN
STA. 10+00.00 TO STA. 11+59.46
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'





A0012VDN/0012PP-4/02-22-01/ACH KJS

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

VILLA ROSADO
CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 90°00'00"
R = 25.00'
L = 39.27'
T = 25.00'

② Δ = 90°00'00"
R = 15.00'
L = 23.56'
T = 15.00'

③ Δ = 90°00'36"
R = 15.00'
L = 23.56'
T = 15.00'

④ Δ = 106°25'58"
R = 25.00'
L = 46.44'
T = 33.44'

VILLA TULIPAN
CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 84°00'00"
R = 15.00'
L = 21.99'
T = 13.51'

② Δ = 74°53'15"
R = 25.00'
L = 32.68'
T = 19.14'

③ Δ = 92°30'18"
R = 25.00'
L = 40.36'
T = 26.12'

④ Δ = 96°00'00"
R = 15.00'
L = 25.13'
T = 16.66'

AS BUILT INFORMATION

CONTRACTOR	Hydro Systems	
WORK STAKED BY	ALS	DATE 4/01
WORK INSPECTED BY	DMG	DATE 10/01
ACCEPTANCE BY		
FIELD VERIFICATION BY	ALS	DATE 10/01
AS-BUILT DRAWINGS CORRECTED BY	ALS	DATE 10/01
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
C-G=0.99967012,
Δα=-0°12'16", CENTRAL ZONE,
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
2-27-01

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DLH	DATE 01/01
		DRAWN BY ACH	DATE 01/01
		CHECKED BY DMG	DATE 01/02

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: VILLA DEL NORTE - UNIT 2
PAVING IMPROVEMENTS
VILLA TULIPAN - VILLA ROSADO

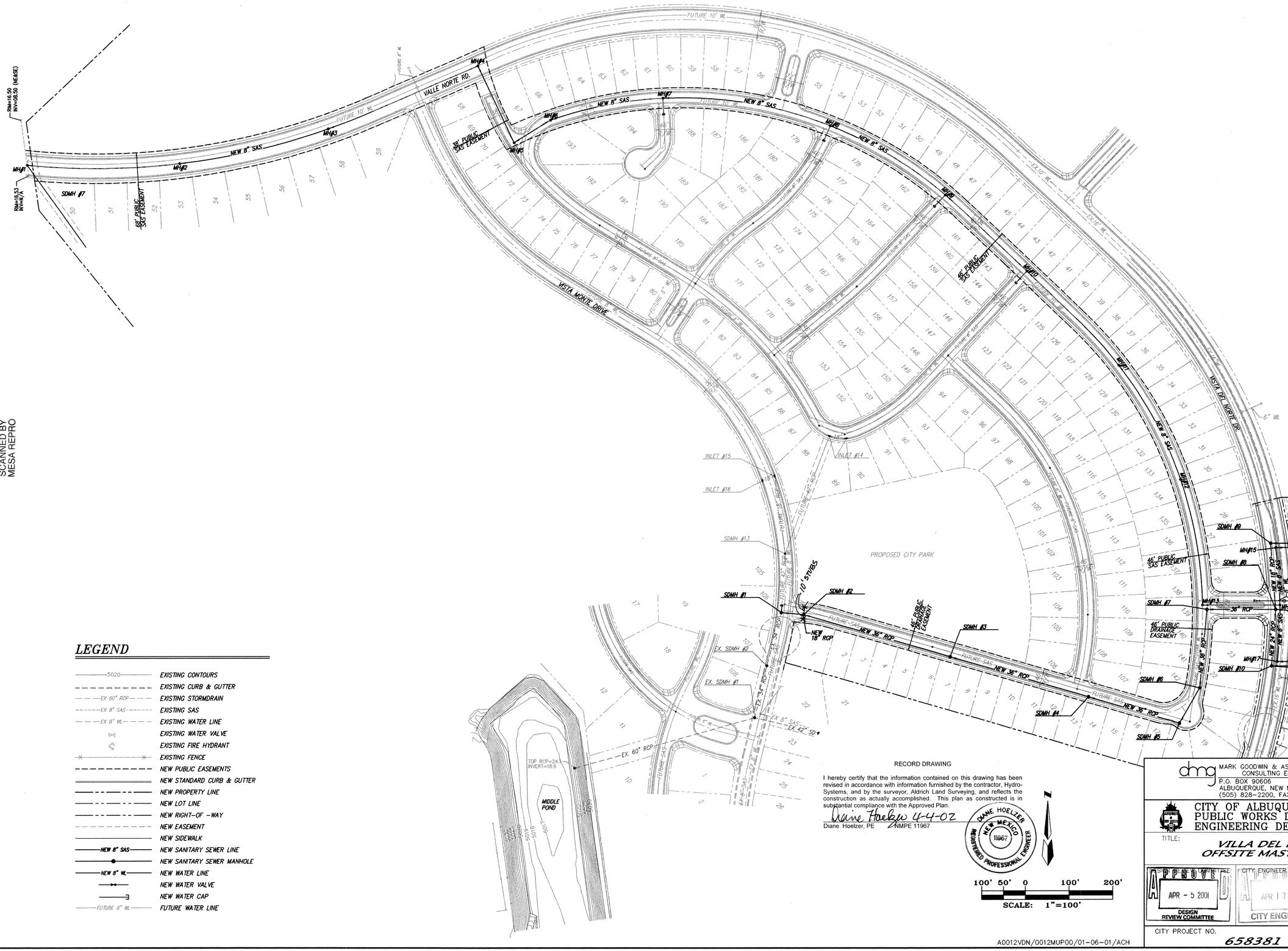
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE	APR 17 2001 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
658381	D-16	11	25

F:\VAPWORK\0012VDN\0012VDN\VA12VDN02PP-4.dgn Mon, 26 Feb 01 11:25:30 -0700 U. MARK GOODWIN & ASSOCIATES PLOTTED BY: Ray

SCANNED BY
MESA REPRO

NOTES



LEGEND

- 5020 — EXISTING CONTOURS
- EXISTING CURB & GUTTER
- EX 60" RCP — EXISTING STORMDRAIN
- EX 8" SAS — EXISTING SAS
- EX 8" WL — EXISTING WATER LINE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING FENCE
- NEW PUBLIC EASEMENTS
- NEW STANDARD CURB & GUTTER
- NEW PROPERTY LINE
- NEW LOT LINE
- NEW RIGHT-OF-WAY
- NEW EASEMENT
- NEW SIDEWALK
- NEW 8" SAS — NEW SANITARY SEWER LINE
- NEW SANITARY SEWER MANHOLE
- NEW 8" WL — NEW WATER LINE
- NEW WATER VALVE
- NEW WATER CAP
- FUTURE 8" WL — FUTURE WATER LINE

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

100' 50' 0 100' 200'
SCALE: 1"=100'

A0012VDN/0012MUP00/01-06-01/ACH

AS BUILT INFORMATION

CONTRACTOR Hydro Systems
WORK STAKED BY ALS DATE 4/01
INSPECTORS ACCEPTANCE BY DMG DATE 10/01
FIELD CHANGES VERIFICATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
G-G=0.99967012.
Δα=-0012'16", CENTRAL ZONE.
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
4-4-02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGNED BY DLH DATE 01/01	
		DRAWN BY ACH DATE 01/01	
		CHECKED BY DMG DATE 01/01	

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: VILLA DEL NORTE - UNIT 2
OFFSITE MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE	APPROVED APR 17 2001 CITY ENGINEER			

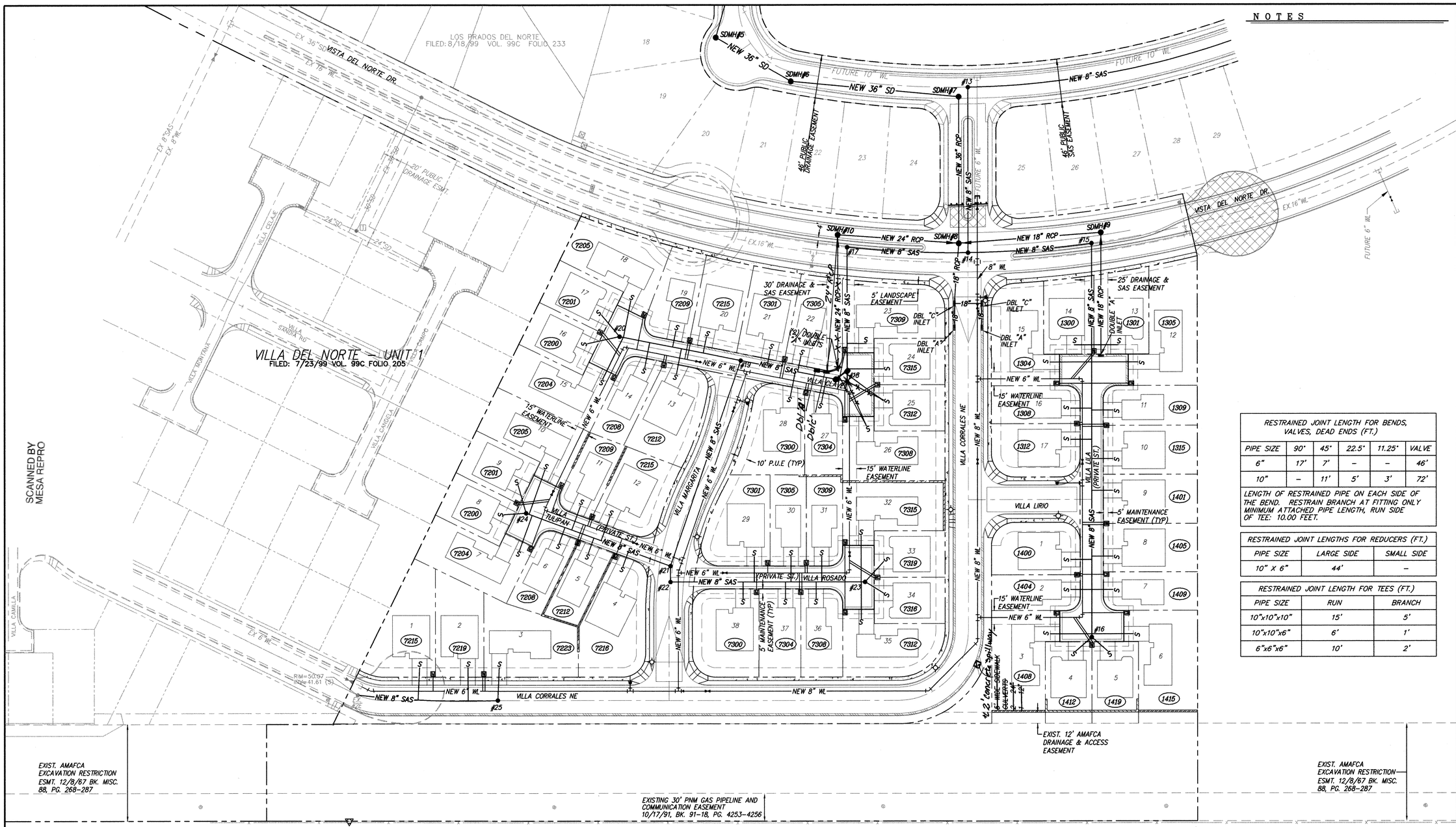
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
658381	D-16	12	25

F:\DATA\DMG\DWG\0012VDN\0012MUP00.dwg Tue Feb 27 09:23:39 2001 by Mark Goodwin & Associates, Plotted by: ACH

SCANNED BY
MESA REPRO

F:\UA1A\UMGS\A0UJ0DS\A0U2VUN\UN1C\U0I2-UP5U.DWG Mon Feb 26 12:16:11 2001 U. MARK BOUMAN & ASSOCIATES PLOTTED BY: KJS

NOTES



RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	–	–	46'
10"	–	11'	5'	3'	72'

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
10" X 6"	44'	–

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
10"x10"x10"	15'	5'
10"x10"x6"	6'	1'
6"x6"x6"	10'	2'

LEGEND

- EXISTING RETAINING WALL
- 5020 EXISTING CONTOURS
- EXISTING CURB & GUTTER
- EX 60" RCP EXISTING STORMDRAIN
- EX 8" SAS EXISTING SAS
- EX 8" WL EXISTING WATER LINE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING FENCE
- NEW RETAINING WALL
- NEW GARDEN WALL
- NEW PUBLIC EASEMENTS
- NEW STANDARD CURB & GUTTER
- NEW MOUNTABLE CURB & GUTTER
- NEW PROPERTY LINE
- NEW LOT LINE
- NEW RIGHT-OF -WAY
- NEW EASEMENT
- NEW SIDEWALK
- NEW 8" SAS NEW SANITARY SEWER LINE
- NEW SANITARY SEWER MANHOLE
- NEW 8" WL NEW WATER LINE
- NEW WATER VALVE
- NEW WATER CAP
- M NEW WATER METER 5'x5' EASEMENT
- S NEW SEWER SERVICES
- FUTURE 8" WL FUTURE WATER LINE
- (7208) ADDRESS
- STREET LIGHT
- FIRE HYDRANT

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

SCALE: 1" = 50'

A0012VDN/0012-UP50/02-22-01/ACH KJS

AS BUILT INFORMATION

CONTRACTOR Hydro-Systems
WORK STAKED BY ALS DATE 4/01
INSPECTED BY DMG DATE 10/01
ACCEPTANCE BY DMG DATE 10/01
FIELD VERIFICATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
C-C=0.99967012,
Δα=-00°12'16", CENTRAL ZONE,
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER 10-22-01

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DLH	DATE 01/01
		DRAWN BY ACH	DATE 01/01
		CHECKED BY DMG	DATE 01/01

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: VILLA DEL NORTE - UNIT 2
MASTER UTILITY PLAN - ONSITE

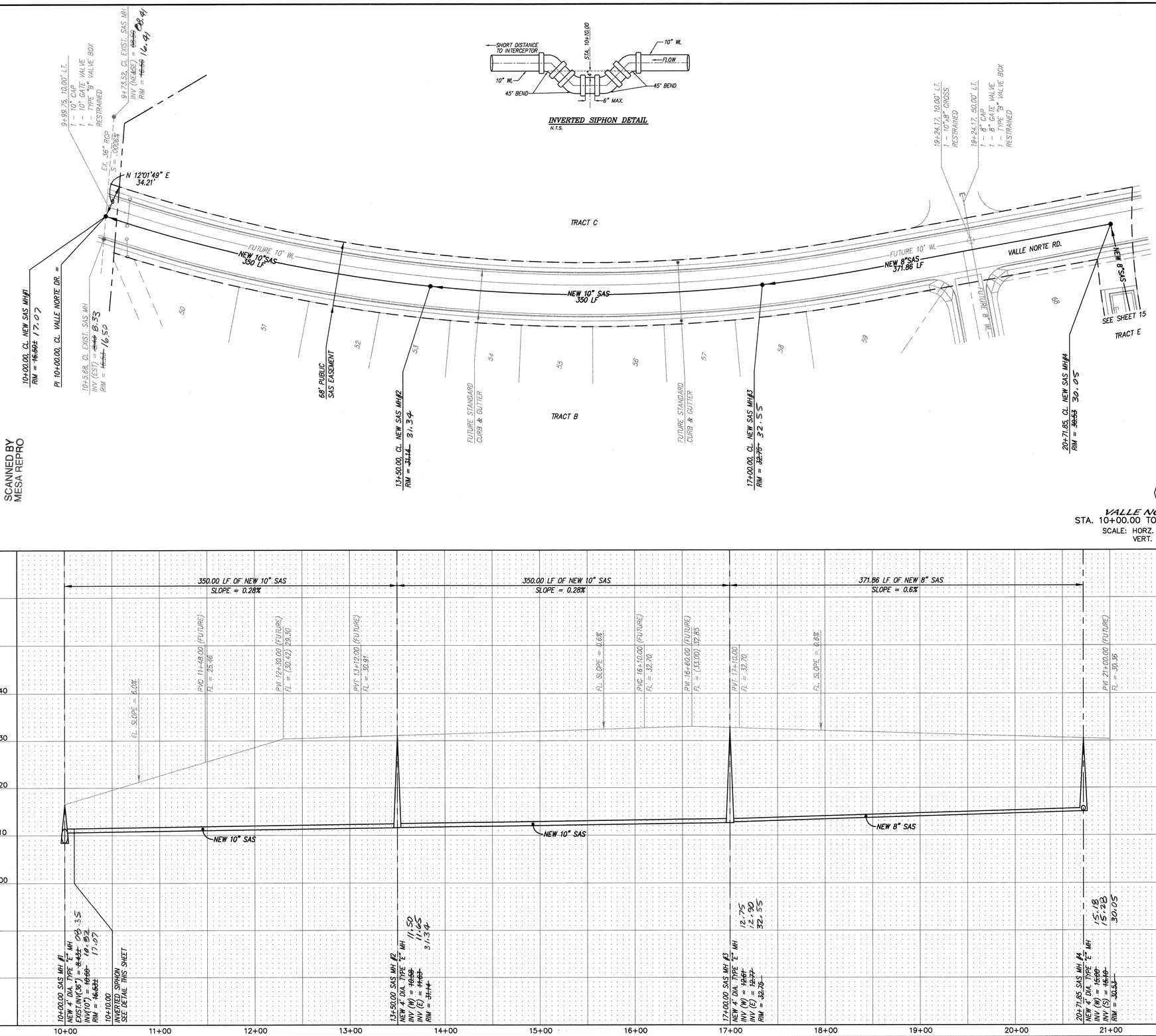
DESIGN REVIEW COMMITTEE APPROVED APR - 5 2001

CITY ENGINEER APPROVAL APPROVED APR 17 2001 CITY ENGINEER

LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. 658381 | ZONE MAP NO. D-16 | SHEET 13 OF 25

SCANNED BY
MESA REPRO



INVERTED SIPHON DETAIL
N.T.S.

VALLE NORTE RD.
STA. 10+00.00 TO STA. 21+00.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS SAS STATIONING.

CURVE DATA – DESCRIBES CURVILINEAR SAS

① Δ = 29°00'59"
R = 1600.00'
L = 810.32'
T = N/A

CURVE DATA – DESCRIBES CURVILINEAR WL

① Δ = 29°01'35"
R = 1590.00'
L = 805.50'
T = N/A

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

3-19-01

AS BUILT INFORMATION

CONTRACTOR Hydro Systems
WORK STAKED BY ALS DATE 3/01
INSPECTED BY DATE
ACCEPTANCE BY Dmg DATE 01/01
FIELD VERIFICATION BY ALS DATE 01/01
DRAWINGS CORRECTED BY ALS DATE 01/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
C-O=0.99967012,
Δα=-00°12'16", CENTRAL ZONE,
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DLH	DATE 01/01
		DRAWN BY ACH	DATE 01/01
		CHECKED BY DMG	DATE 01/01

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: VILLA DEL NORTE - UNIT 2
OFFSITE SANITARY SEWER IMPROVEMENTS
VALLE NORTE RD.

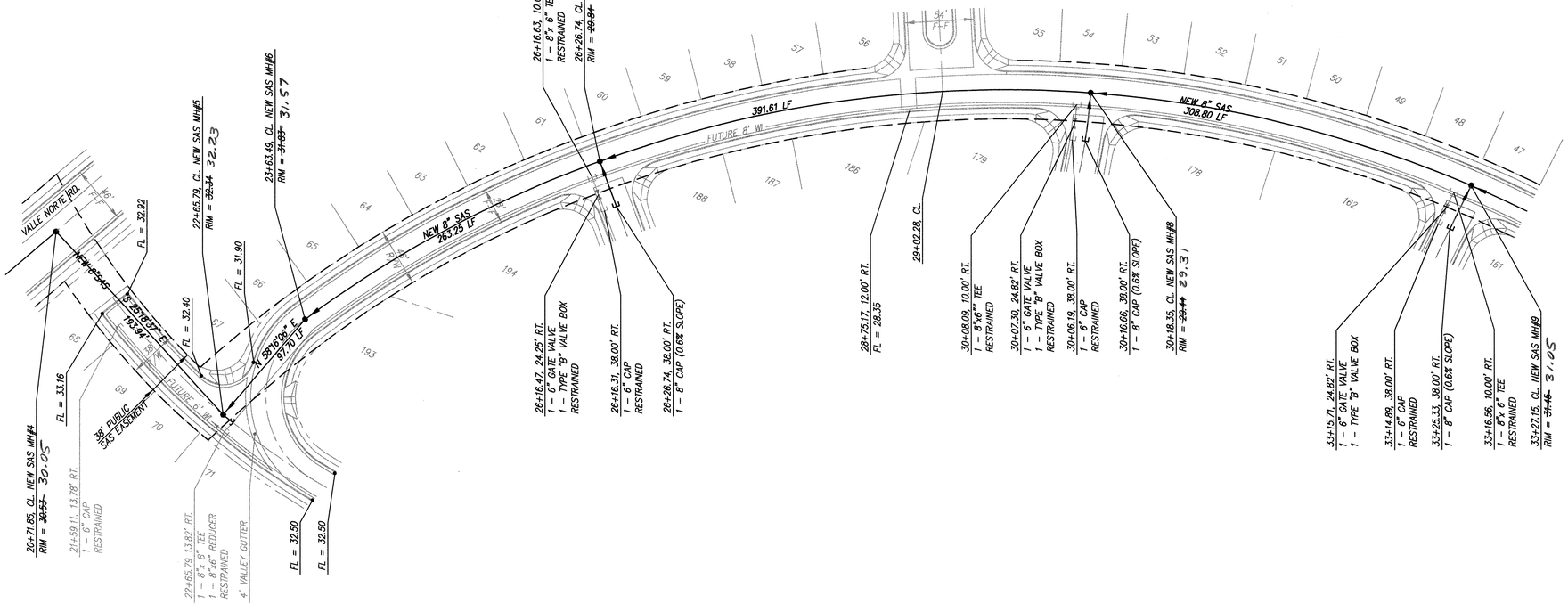
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE	APPROVED APR 17 2001 CITY ENGINEER			

CITY PROJECT NO. 658381 | ZONE MAP NO. D-16 | SHEET 14 OF 25

A0012VDN/0012-OF1/03-18-01/ACH DLH

F:\DATA\DWGS\A00\jobs\A0012VDN\UNIT2\0012-OF1.dwg Sun Mar 18 16:34:42 2001 by der

SCANNED BY
MESA REPRO



NOTES

1. ALL STATIONING IS SAS STATIONING.

CURVE DATA – DESCRIBES CURVILINEAR SAS

① Δ = 90°04'43"
R = 75.00'
L = 117.83'
T = 75.02'

CURVE DATA – DESCRIBES CURVILINEAR WL

① Δ = 90°04'43"
R = 75.00'
L = 117.83'
T = 75.02'

② Δ = 15°30'00"
R = 300.00'
L = 102.65'
T = 51.83'

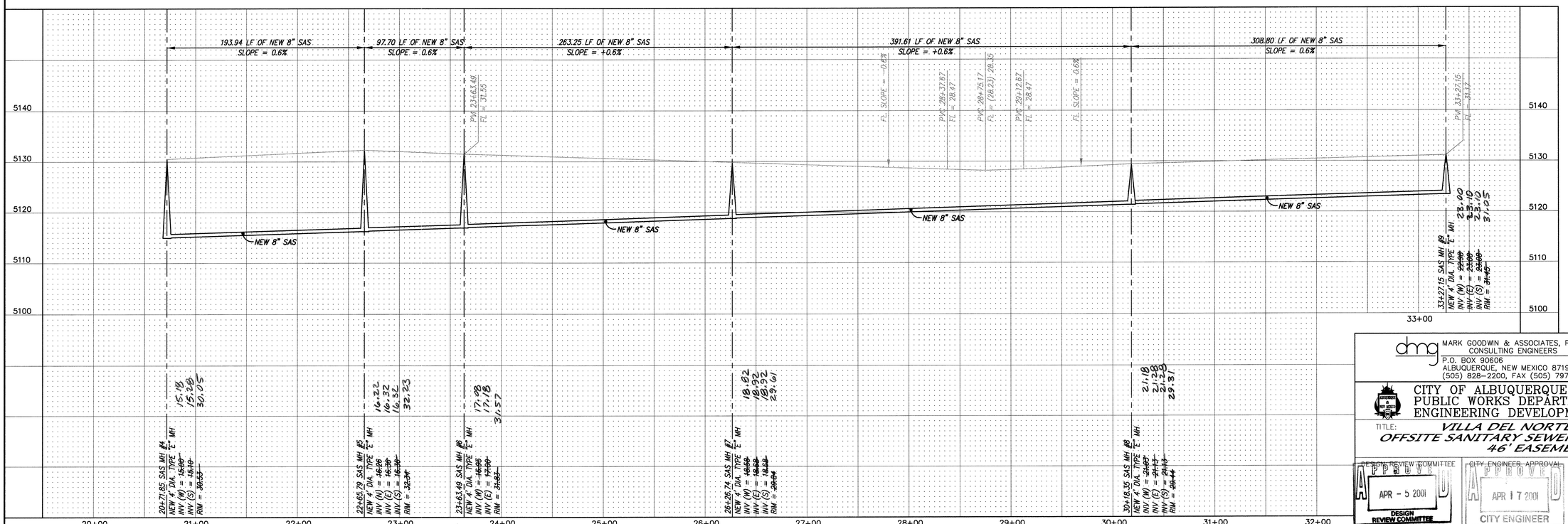
RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

46' EASEMENT
STA. 20+71.85 TO STA. 33+27.15
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



AS BUILT INFORMATION

CONTRACTOR Hydro-Systems
WORK STAKED BY ALS DATE 4/01
ASSISTANCE ACCEPTANCE BY DMG DATE 10/01
FIELD VERIFICATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
C-C=0.99967012,
Δα= -0°12'16", CENTRAL ZONE,
(NAD 1927)
ELEVATION=5075.6

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
4-19-02

NO.	DATE	REMARKS
		REVISIONS

DESIGNED BY DLH DATE 01/01
DRAWN BY ACH DATE 01/01
CHECKED BY DMG DATE 01/01

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: VILLA DEL NORTE - UNIT 2
OFFSITE SANITARY SEWER IMPROVEMENTS
46' EASEMENT

DESIGN REVIEW COMMITTEE: APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 17 2001 CITY ENGINEER

LAST DESIGN UPDATE

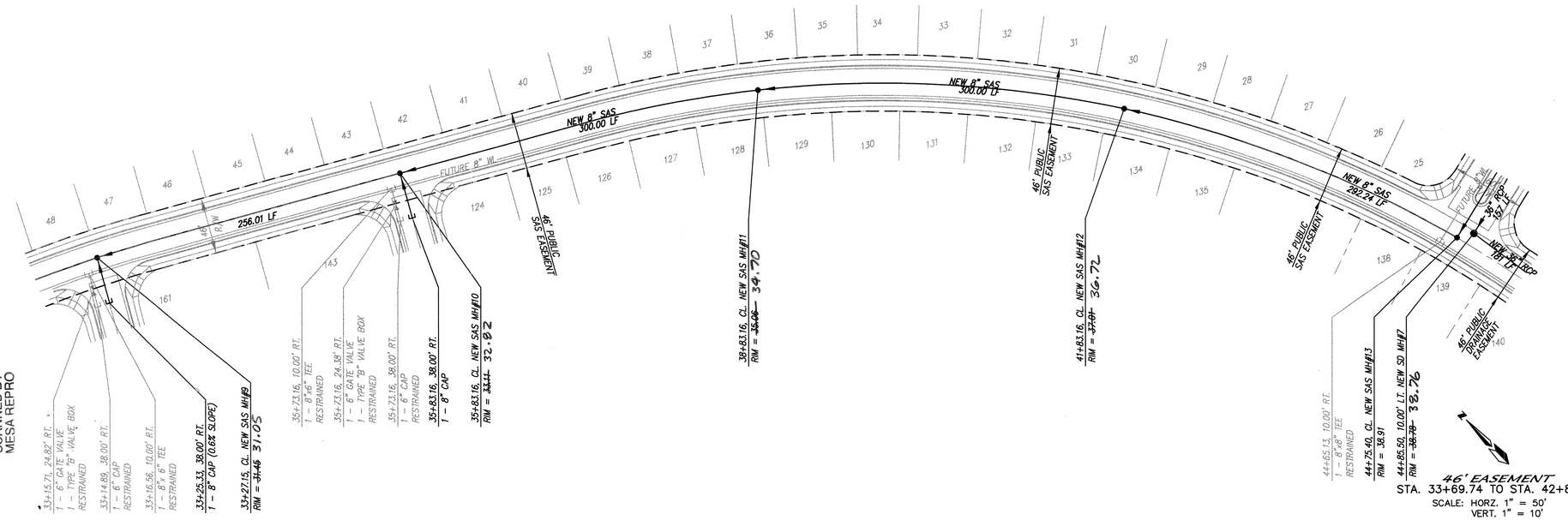
MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. 658381
ZONE MAP NO. D-16
SHEET 15 OF 25

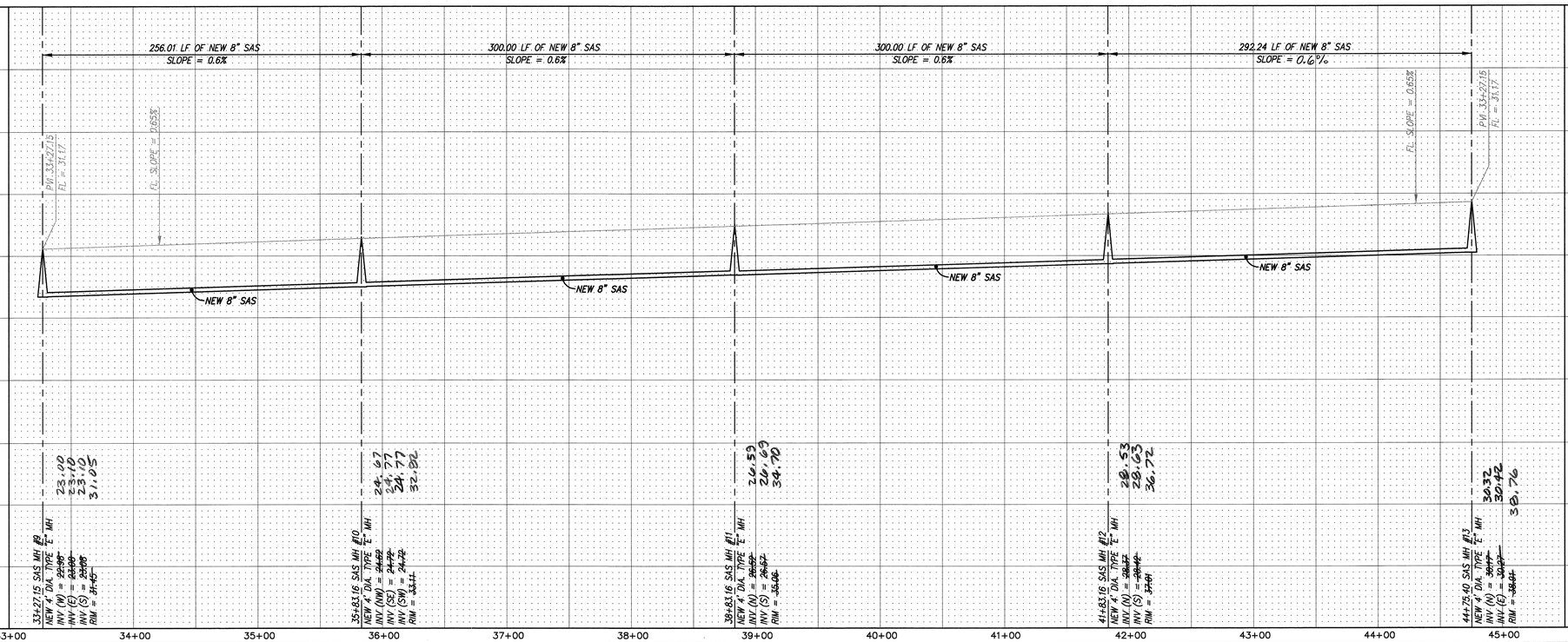
A0012VDN/0012-0F2/03-16-01/ACH DLH

P:\UA1A\UMGS\AUG1005\A0012VDN\UNIT2\UD12-0F2.DWG Fri Mar 16 17:08:52 2001 MARK GOODWIN & ASSOCIATES PLOTTED BY: ACH

SCANNED BY
MESA REPRO



46' EASEMENT
STA. 33+69.74 TO STA. 42+83.16
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



A0012VDN/0012-0F3/03-16-01/ACH DLH

NOTES

1. ALL STATIONING IS SAS STATIONING.

CURVE DATA – DESCRIBES CURVILINEAR SAS

① Δ = 45°45'55"
R = 923.00'
L = 737.25'
T = N/A

CURVE DATA – DESCRIBES CURVILINEAR WL

① Δ = 45°07'40"
R = 913.00'
L = 719.11'
T = N/A

AS BUILT INFORMATION
CONTRACTOR Hydro Systems DATE 4/01
WORK STAKED BY ALS
WORK INSPECTED BY ALS DATE 10/01
ACCEPTANCE BY DMG DATE 10/01
FIELD VERIFICATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
C-G=0.99967012,
Δα=-00°12'16", CENTRAL ZONE,
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
4-4-02

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	DLH	01/01
DRAWN BY	ACH	01/01
CHECKED BY	DMG	01/01

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

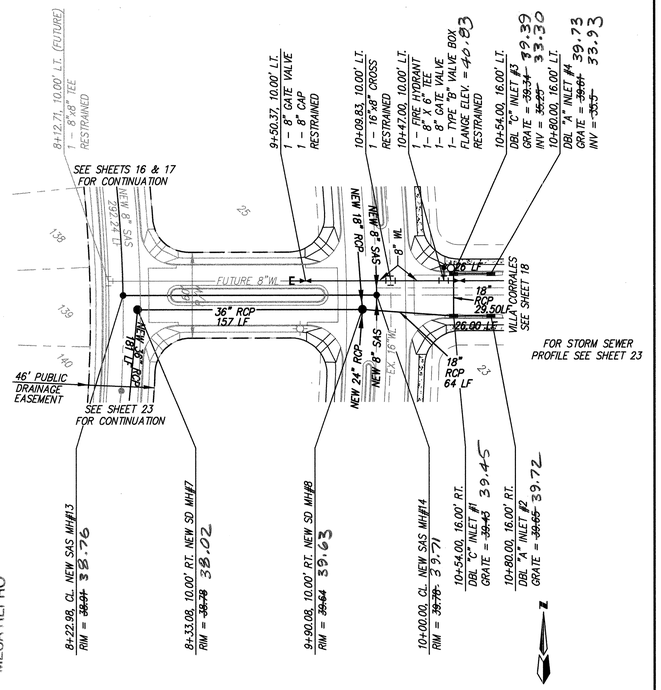
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

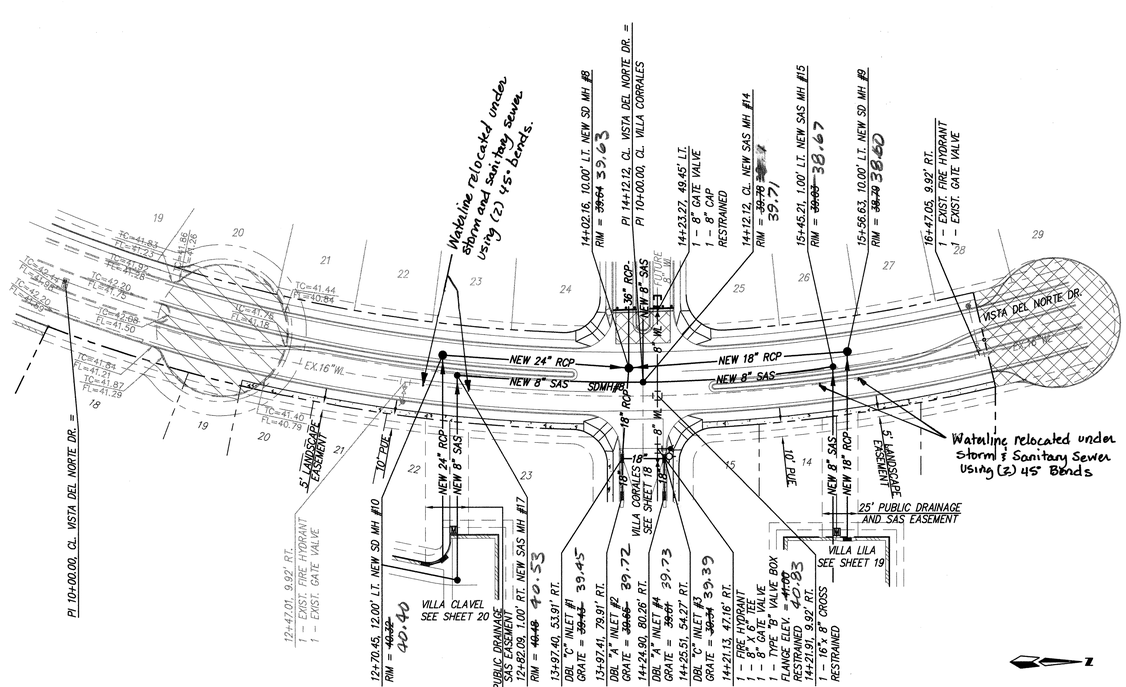
TITLE: VILLA DEL NORTE - UNIT 2
OFFSITE SANITARY SEWER IMPROVEMENTS
46' SAS EASEMENT

DESIGN REVIEW COMMITTEE: APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 17 2001 CITY ENGINEER
LAST DESIGN UPDATE: MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 658381
ZONE MAP NO. D-16
SHEET 16 OF 25

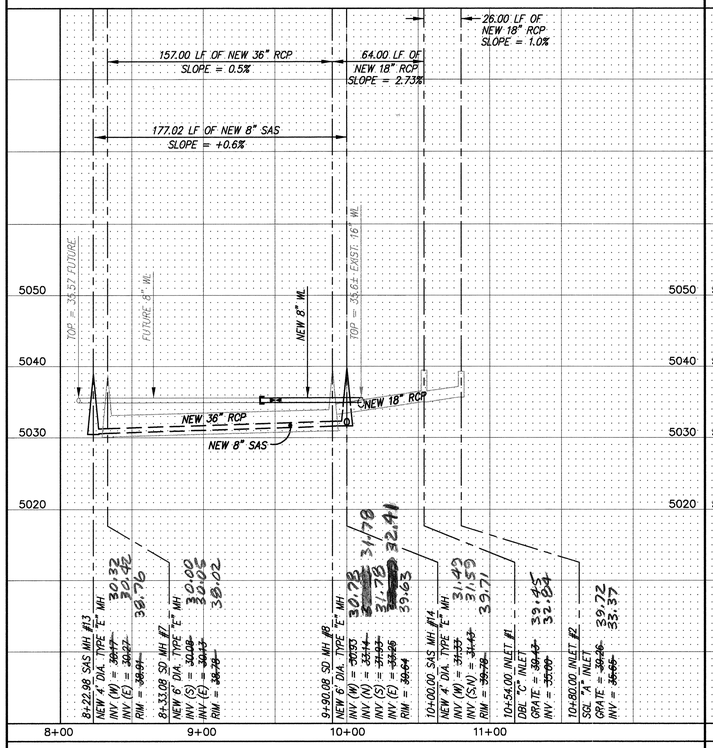
F:\DATA\DMGS\A0012VDN\DWG\A0012-0F3.DWG Fri Mar 16 17:08:23 2001 MARK GOODWIN & ASSOCIATES PLOTTED BY: ACH

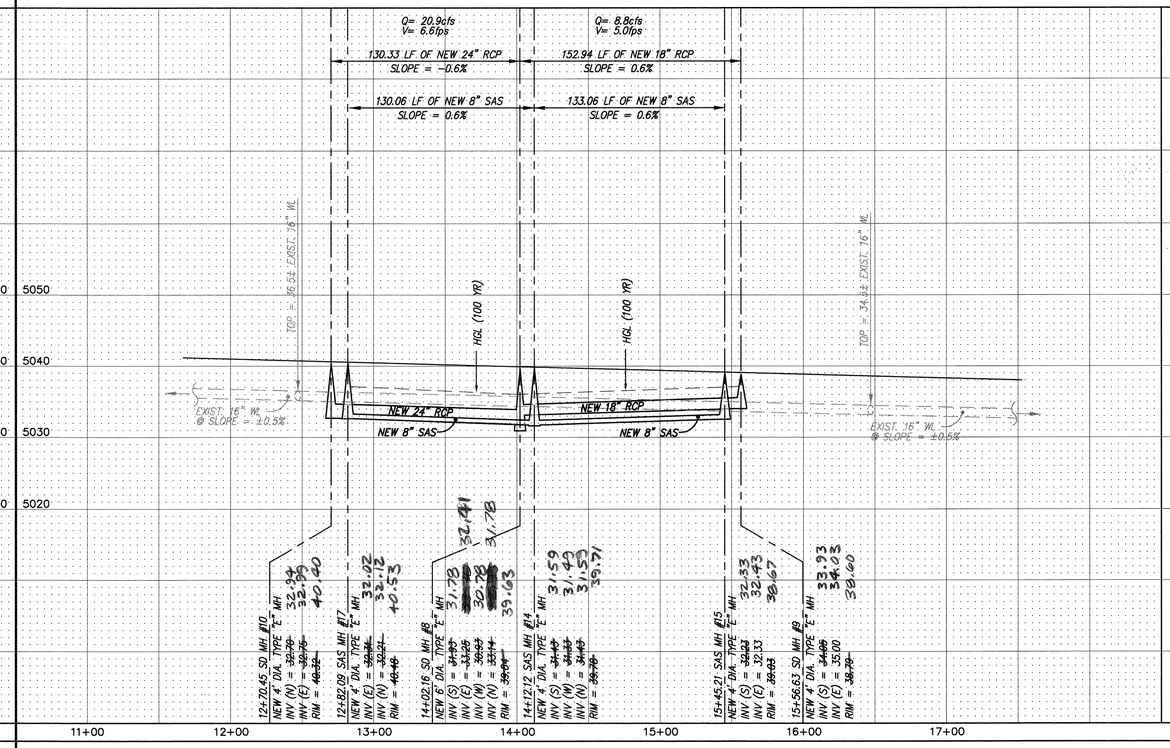




NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.





RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02

Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=383,902.61
ELEV.=5,075.6
(NAD 1927)
G-G=0.99967012.
Δα=-00°12'16", CENTRAL ZONE.

AS BUILT INFORMATION

CONTRACTOR Hydro Systems DATE 4/01
WORK STAKED BY ALS DATE 4/01
INVERTS/GRADE ACCEPTANCE BY DMG DATE 10/01
FIELD VERIFICATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DLH 01/01
			ACH 01/01
			DMG 01/01

DESIGNED BY DLH DATE 01/01
DRAWN BY ACH DATE 01/01
CHECKED BY DMG DATE 01/01

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: VILLA DEL NORTE - UNIT 2
UTILITY IMPROVEMENTS
VISTA DEL NORTE DRIVE

DESIGN REVIEW COMMITTEE: APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APR 17 2001 CITY ENGINEER

LAST DESIGN UPDATE: MO./DAY/YR.

MO./DAY/YR.

CITY PROJECT NO. 658381

ZONE MAP NO. D-16

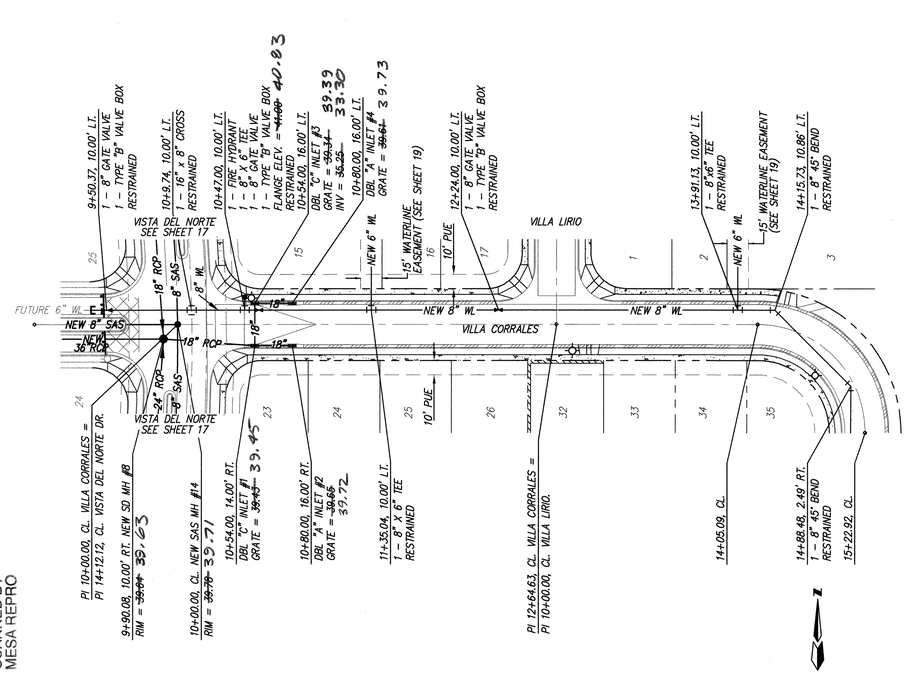
SHEET 17 OF 25

A0012VDN/0012UP-5/03-17-01/ACH KJS DLH

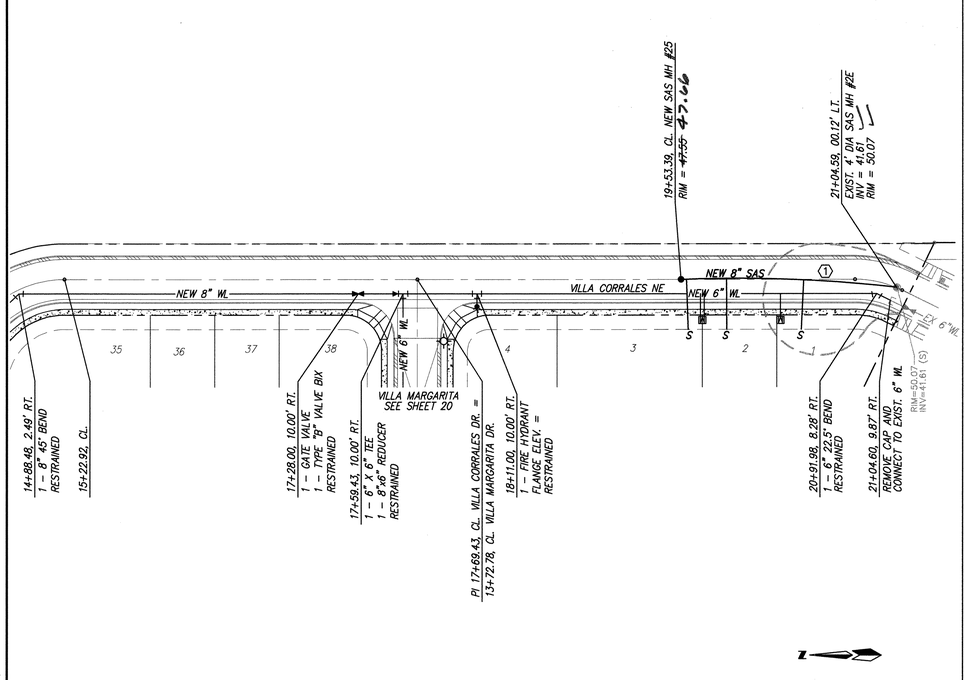
SCANNED BY
MESA REPRO

F:\UA1A1\UMGS\AUG\0DS\AUG\2\VDN\UNI2\U012UP-5.dwg Fri Mar 16 17:09:59 2001 MARK GOODWIN & ASSOCIATES PLOTTED BY: ACH

SCANNED BY
MESA REPRO



VILLA CORRALES
STA. 15+22.92 TO STA. 15+22.92
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



VILLA CORRALES
STA. 10+00.00 TO STA. 21+14.66
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA – DESCRIBES CURVILINEAR SAS

① Δ = 8°38'09"
R = 1000.00'
L = 150.72'
T = 75.50

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan is constructed is in substantial compliance with the Approved Plan.

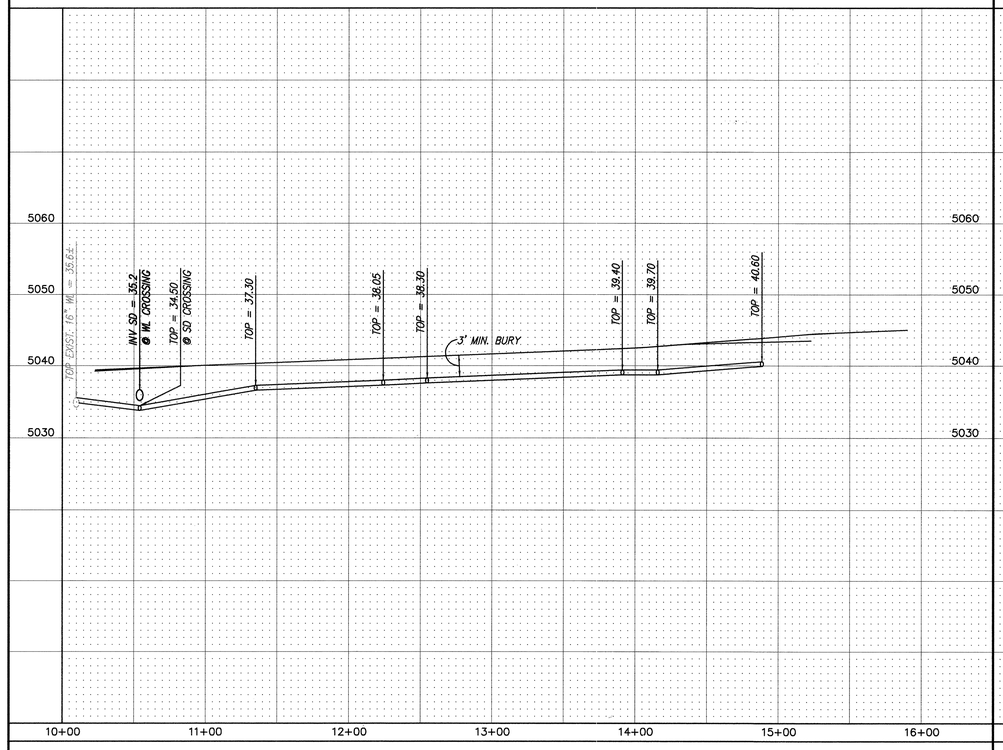
Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

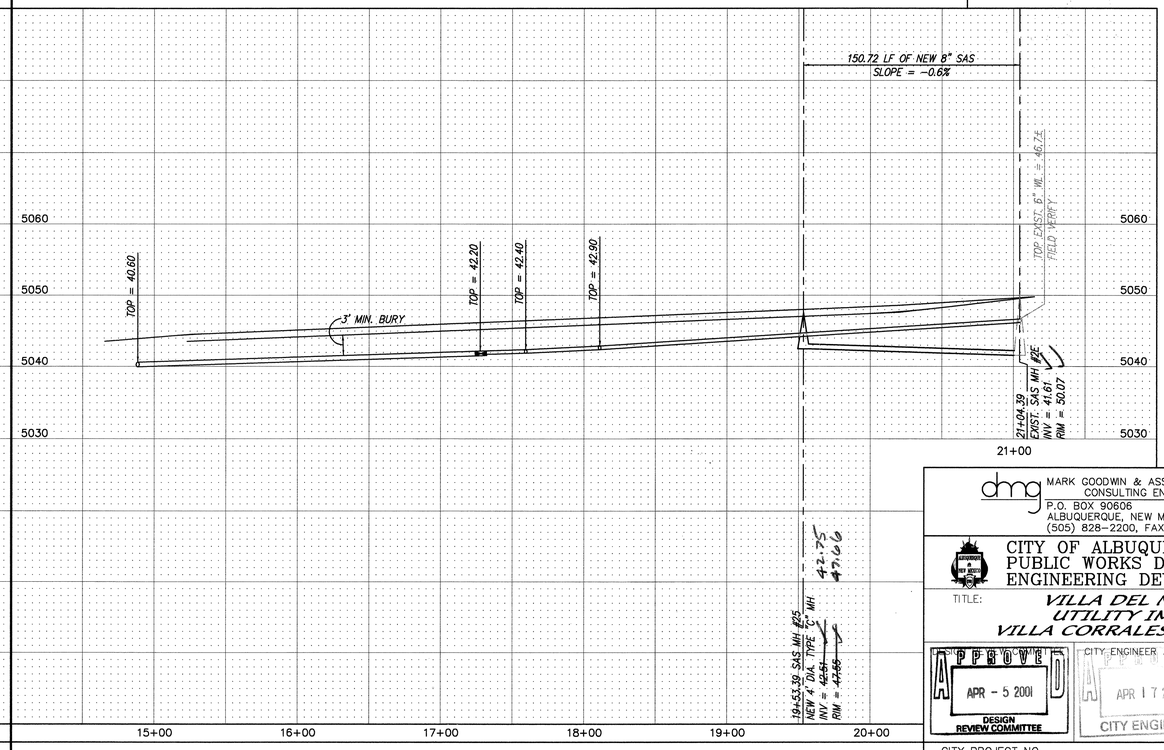
DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

AS BUILT INFORMATION
CONTRACTOR Hydro Systems DATE 4/01
WORK STAKED BY ALS
INSPECTED/ACCEPTANCE BY DMG DATE 10/01
FIELD LOCATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 01/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

FIELD NOTES
NO. | BY | DATE





A0012VDN/0012UP–1/02–23–01/ACH KJS

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
10-22-02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	DLH	DATE	01/01
DRAWN BY	ACH	DATE	01/01
CHECKED BY	DMG	DATE	01/01

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

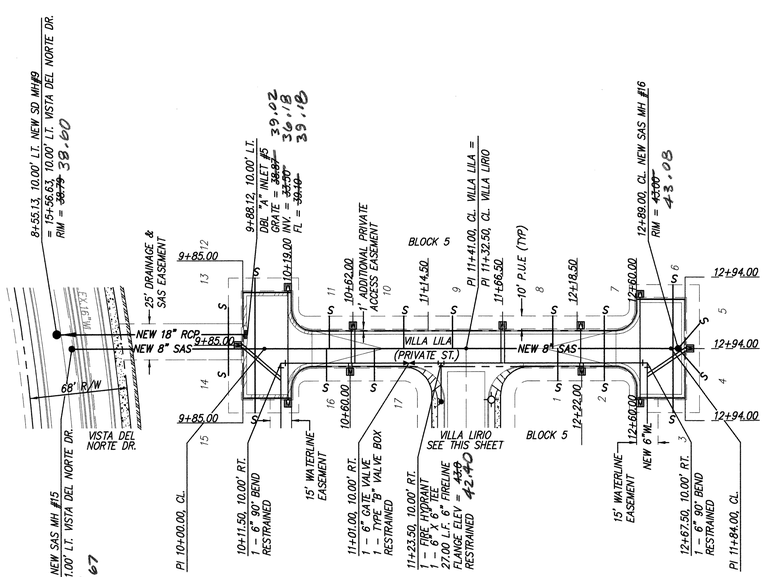
TITLE: VILLA DEL NORTE – UNIT 2
UTILITY IMPROVEMENTS
VILLA CORRALES RD. – EAST & WEST

DESIGN REVIEW COMMITTEE: APPROVED APR – 5 2001
CITY ENGINEER APPROVAL: APPROVED APR 17 2001 CITY ENGINEER
LAST DESIGN UPDATE: MO./DAY/YR. | MO./DAY/YR.

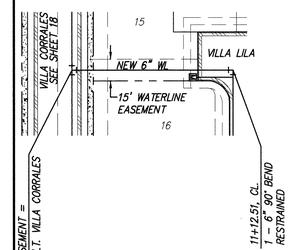
CITY PROJECT NO. 658381 | ZONE MAP NO. D-16 | SHEET 18 OF 25

F:\...\MARK GOODWIN & ASSOCIATES PLOTTED BY JOE on Wed, Feb 20, 2002 at 12:13:34

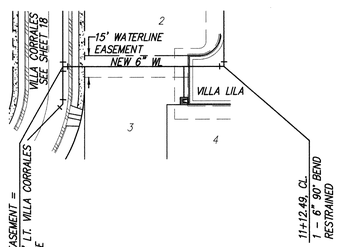
SCANNED BY
MESA REPRO



VILLA LILA
STA. 10+00.00 TO STA. 12+89.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



15' EASEMENT
STA. 10+00.00 TO STA. 11+12.51
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



15' EASEMENT
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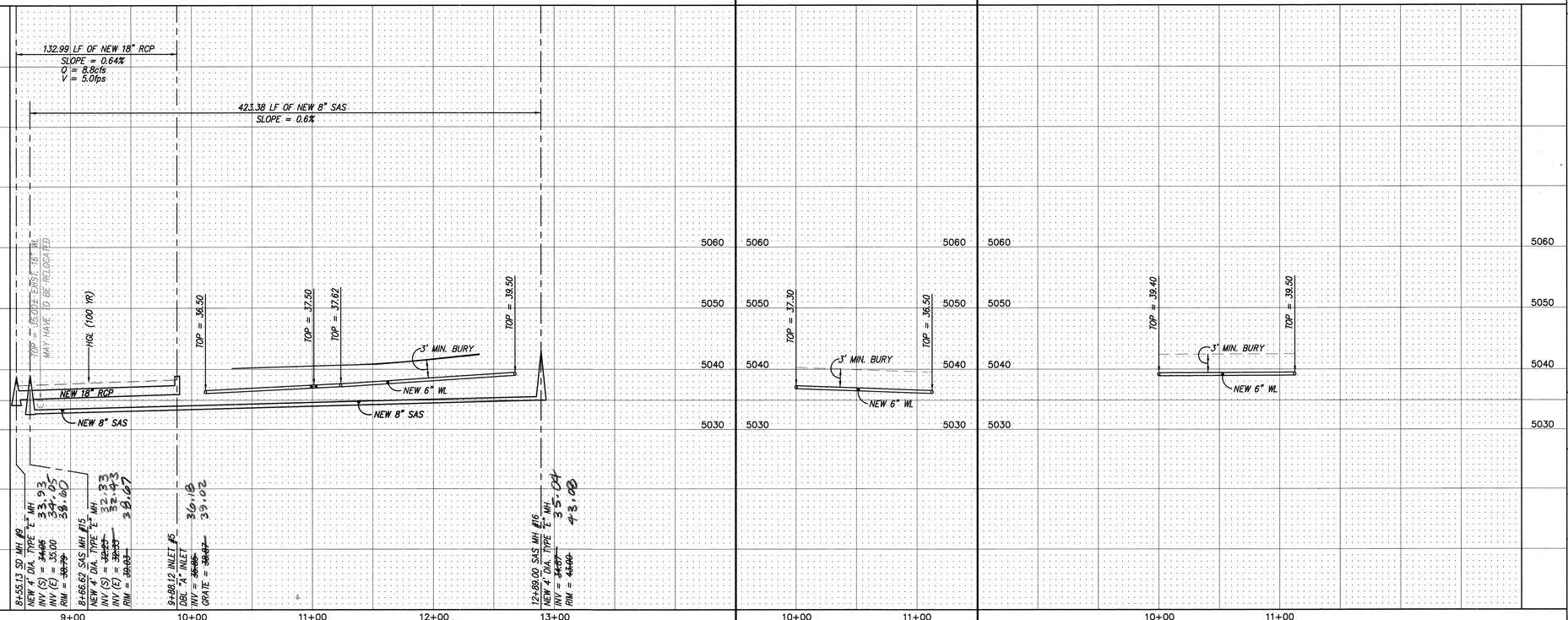
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



A0012VDN/0012UP-2/03-17-01/ACH KJS DLH

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	–	–	46'
10"	–	11'	5'	3'	72'

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
10" X 6"	44'	–

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
10"x10"x10"	15'	5'
10"x10"x6"	6'	1'
6"x6"x6"	10'	2'

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
5	1	12+05.00	36.5	22.50'
5	2	12+37.50	37.3	22.50'
5	3	12+85.50	37.0	44.50'
5	4	12+89.00	37.0	22.72'
5	5	12+89.00	37.0	22.74'
5	6	12+85.50	37.0	44.50'
5	7	12+37.50	37.3	22.50'
5	8	12+01.50	36.6	22.50'
5	9	11+31.50	35.7	22.50'
5	10	10+97.50	35.5	22.50'
5	11	10+45.50	35.2	22.50'
5	12	9+93.50	35.0	49.50'
5	13	9+75.00	35.0	28.58'
5	14	9+75.00	35.0	18.58'
5	15	9+93.50	35.0	44.50'
5	16	10+43.50	35.2	22.50'
5	17	10+77.00	35.4	22.50'

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

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

AS BUILT INFORMATION

CONTRACTOR	Hydro Systems
WORK STAKED BY	ALS DATE 4/01
INSPECTED BY	DATE
ACCEPTANCE BY	DMG DATE 10/01
FIELD VERIFICATION BY	ALS DATE 10/01
DRAWINGS CORRECTED BY	ALS DATE 10/01
	MICRO-FILM INFORMATION
RECORDED BY	DATE
NO.	

BENCH MARKS

ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
ELEV.
C-G=0.99967012.
Δα=-00°12'16", CENTRAL ZONE.
(NAD 1927)
ELEV.(TOH=5075.6

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER 10-19-01

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		DLH	DATE 01/01
DRAWN BY		ACH	DATE 01/01
CHECKED BY		DMG	DATE 01/01

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

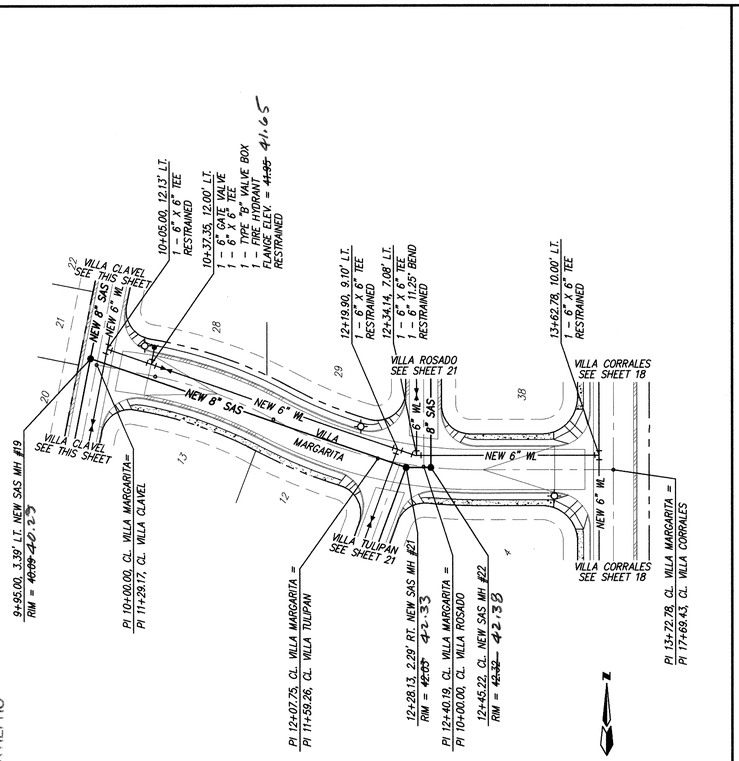
TITLE: VILLA DEL NORTE - UNIT 2
UTILITY IMPROVEMENTS
VILLA LILA - VILLA LIRIO

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE	APPROVED APR 17 2001 CITY ENGINEER			

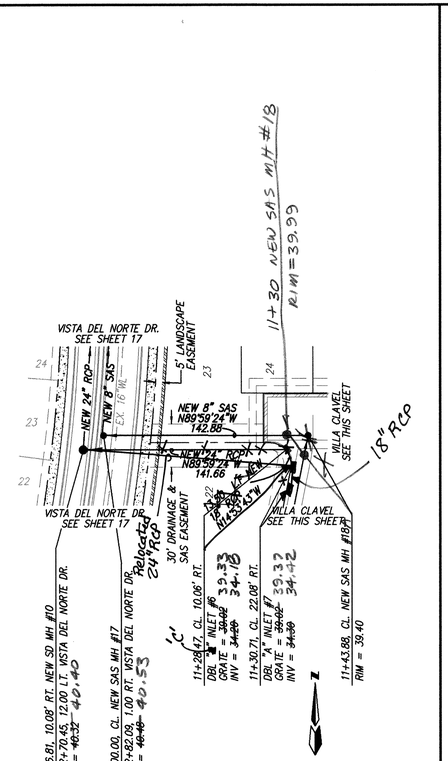
CITY PROJECT NO. 658381 | ZONE MAP NO. D-16 | SHEET 19 OF 25

F:\DATA\DMG\JOBS\A0012\VDN\VN12\0012UP-2.DWG Fri Mar 16 17:10:33 2001 MARK GOODWIN & ASSOCIATES PLOTTED BY: ACH

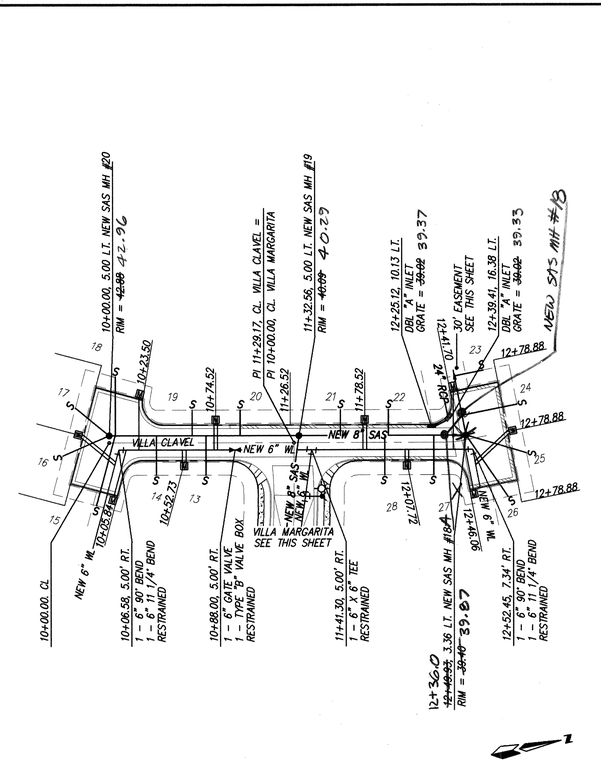
SCANNED BY
MESA REPRO



VILLA MARGARITA
STA. 10+00.00 TO STA. 13+72.78
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



30' EASEMENT
STA. 10+00.00 TO STA. 12+84.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



VILLA CLAVEL
STA. 10+00.00 TO STA. 12+63.88
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
4	13	10+67.67	36.5	27.50'
4	14	10+33.02	38.0	27.50'
4	15	9+91.21	38.0	50.38'
4	16	9+67.76	38.0	35.20'
4	17	9+76.50	38.0	30.15'
4	18	10+04.31	38.0	39.89'
4	19	10+58.02	37.0	17.50'
4	20	10+91.52	36.4	17.50'
4	21	11+61.52	35.8	17.50'
4	22	11+95.02	35.5	17.50'
4	23	12+70.43	34.4	20.50'
4	24	12+88.88	34.4	38.94'
4	25	12+88.88	34.4	43.98'
4	26	12+70.40	34.4	52.05'
4	27	12+26.56	35.2	27.50'
4	28	11+92.40	35.2	27.50'

AS BUILT INFORMATION
CONTRACTOR Hydro Systems DATE 4/01
WORK STAKED BY ALS DATE
INSPECTED BY ALS DATE 10/01
ACCEPTANCE BY DMG DATE 10/01
FIELD LOCATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY DMG ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
C-C=0.99967012,
Δα=-00°12'16", CENTRAL ZONE.
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
10/19/01

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		DLH	
DRAWN BY		ACH	
CHECKED BY		DMG	

DATE 01/01
DATE 01/01
DATE 01/01

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

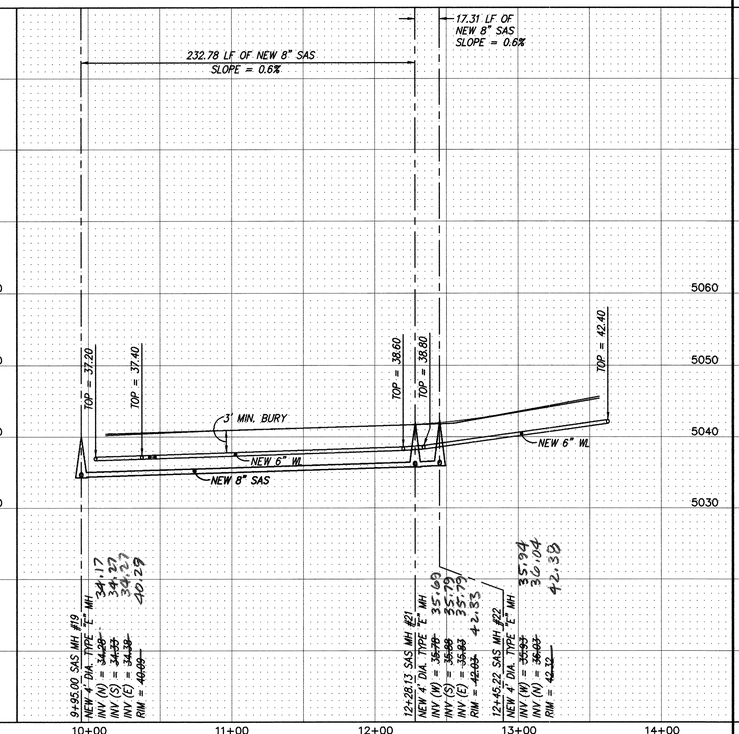
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

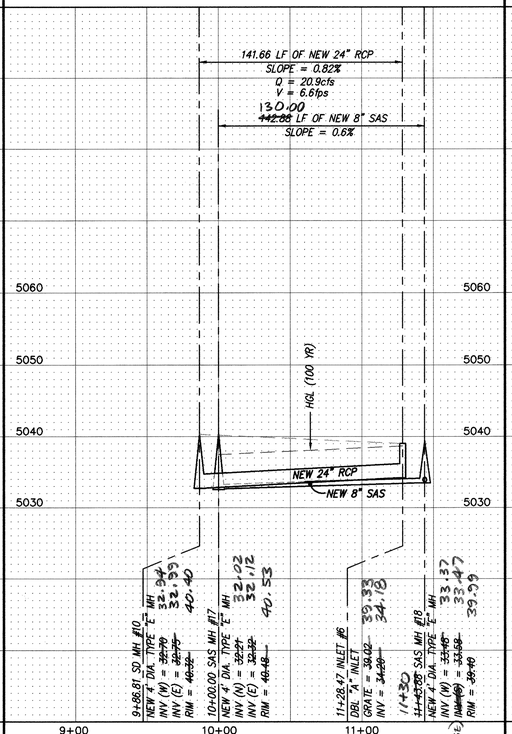
TITLE: VILLA DEL NORTE - UNIT 2
UTILITY IMPROVEMENTS
VILLA MARGARITA - VILLA CLAVEL

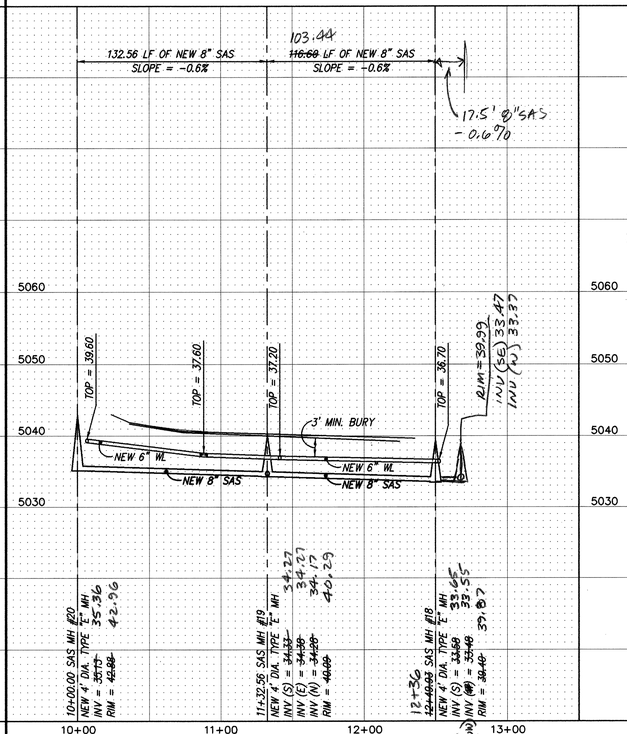
APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE
APPROVED APR 17 2001 CITY ENGINEER
CITY ENGINEER APPROVAL
LAST DESIGN UPDATE MO./DAY/YR.
MO./DAY/YR.

CITY PROJECT NO. 658381
ZONE MAP NO. D-16
SHEET 20 OF 25

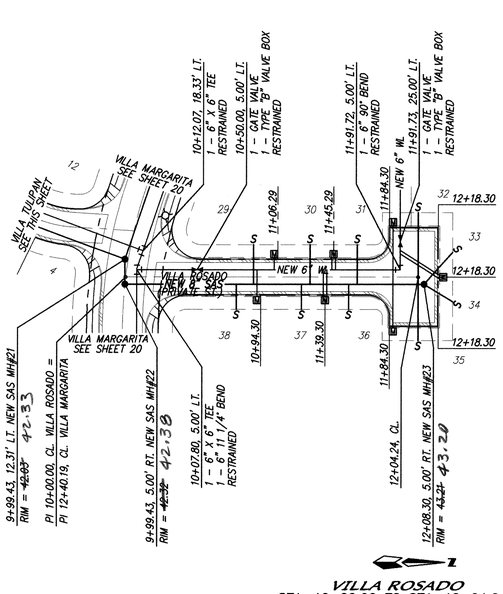
A0012VDN/0012UP-3/02-23-01/ACH KJS







SCANNED BY
MESA REPRO



VILLA ROSADO
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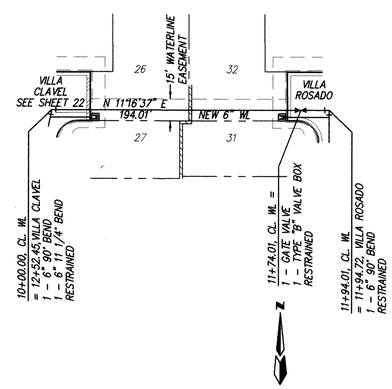
VERT. 1" = 10'



15' EASEMENT
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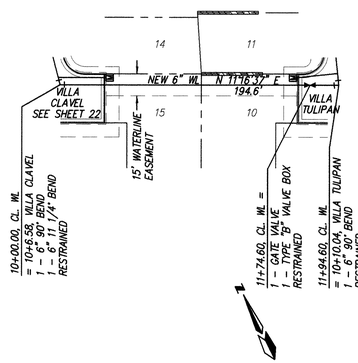
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



15' EASEMENT
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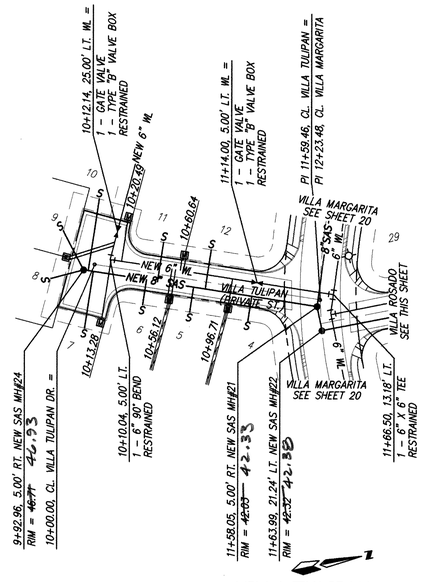
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



VILLA TULIPAN
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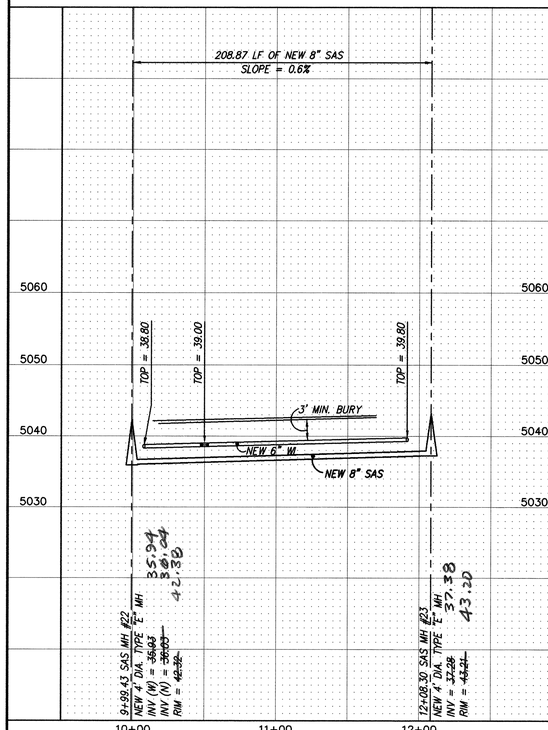
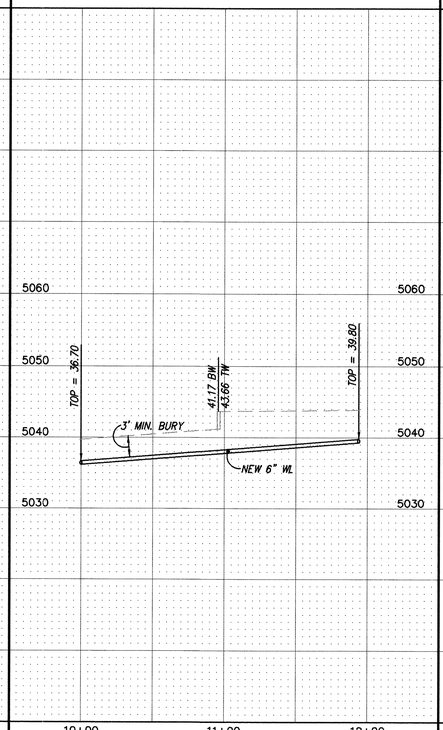
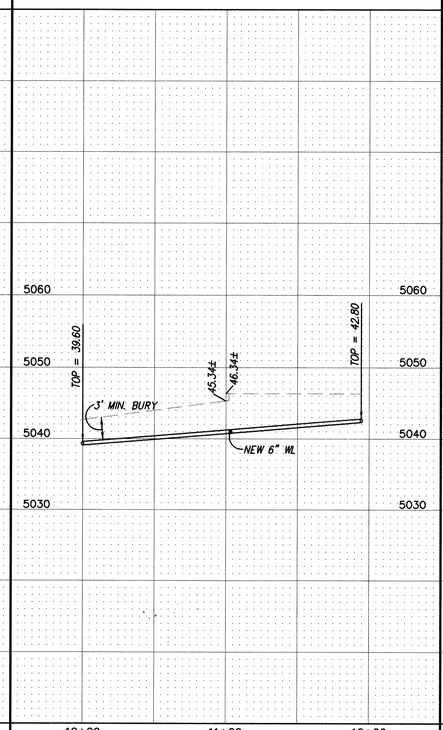
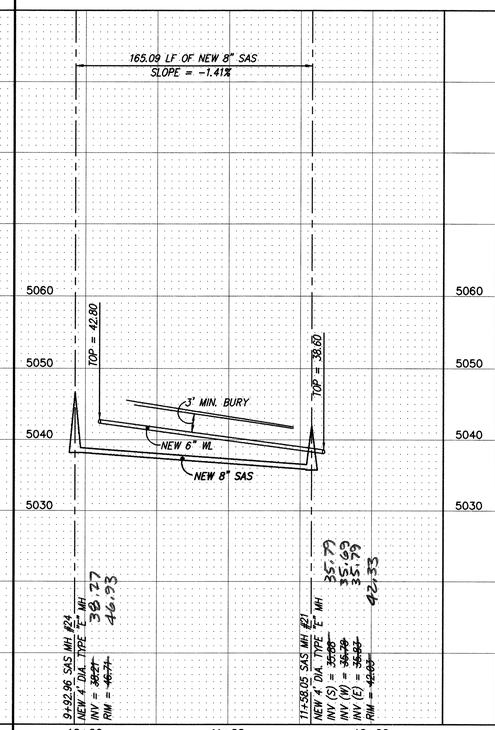
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'









A0012VDN/0012UP-4/02-23-01/ACH KJS

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
4	4	11+11.78	38.6	17.50'
4	5	10+70.54	38.5	17.50'
4	6	10+37.35	39.8	17.50'
4	7	10+00.00	41.5	39.94'
4	8	9+71.34	41.5	23.57'
4	9	9+80.40	41.5	30.51'
4	10	9+96.18	41.5	49.92'
4	11	10+45.10	39.6	27.50'
4	12	10+78.79	38.6	27.50'
4	29	10+89.30	38.2	27.50'
4	30	11+28.80	38.4	27.50'
4	31	11+61.80	38.6	27.50'
4	32	12+04.24	39.0	49.50'
4	33	12+08.30	39.0	29.78'
4	34	12+08.30	39.0	23.38'
4	35	12+04.24	39.0	39.50'
4	36	11+55.81	38.6	17.50'
4	37	11+22.82	38.4	17.50'
4	38	10+77.31	38.2	17.50'

AS BUILT INFORMATION
CONTRACTOR Hydro-Systems
WORK STAKED BY ALS DATE 4/01
AS-BUILTS BY DATE
ACCEPTANCE BY DMG DATE 10/01
FIELD VERIFICATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
ELEV.=5075.6
(NAD 1927)
C-G=0.99967012.
$\Delta\alpha = -00°12'16"$, CENTRAL ZONE.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
4-4-02

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		DLH	DATE 01/01
DRAWN BY		ACH	DATE 01/01
CHECKED BY		DMG	DATE 01/01

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: VILLA DEL NORTE - UNIT 2
UTILITY IMPROVEMENTS
VILLA ROSADO - VILLA TULIPAN

APPROVED
APR - 5 2001
DESIGN REVIEW COMMITTEE

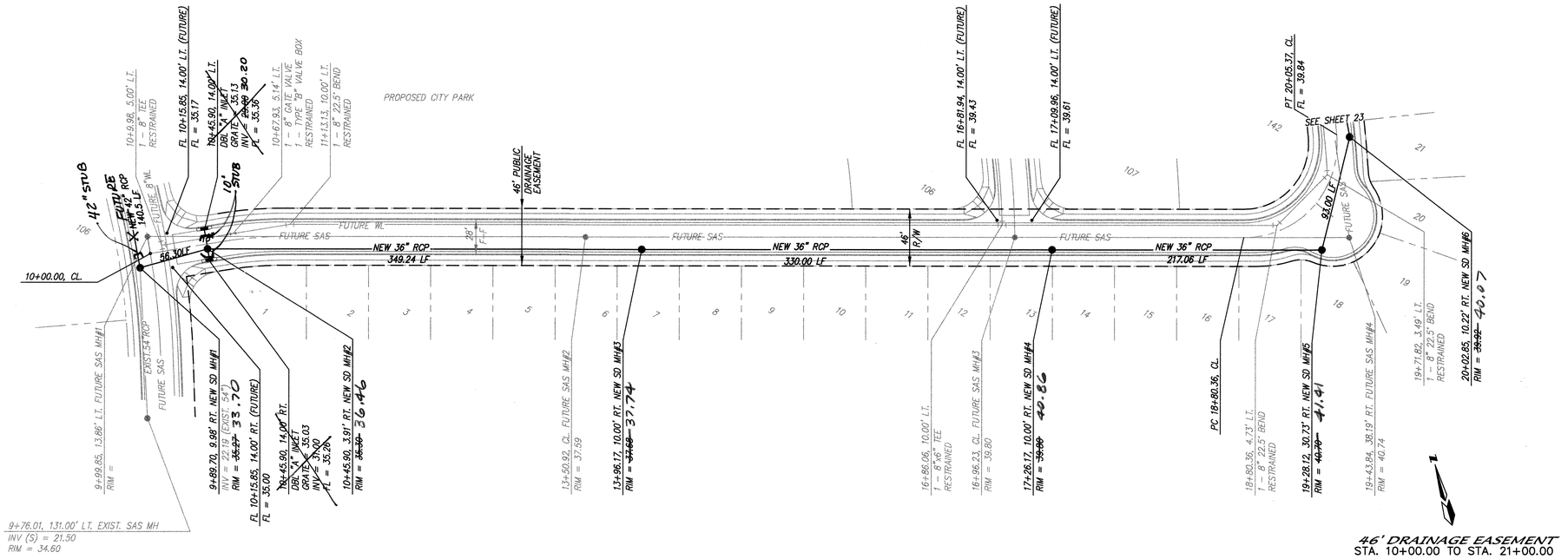
APPROVED
APR 17 2001
CITY ENGINEER

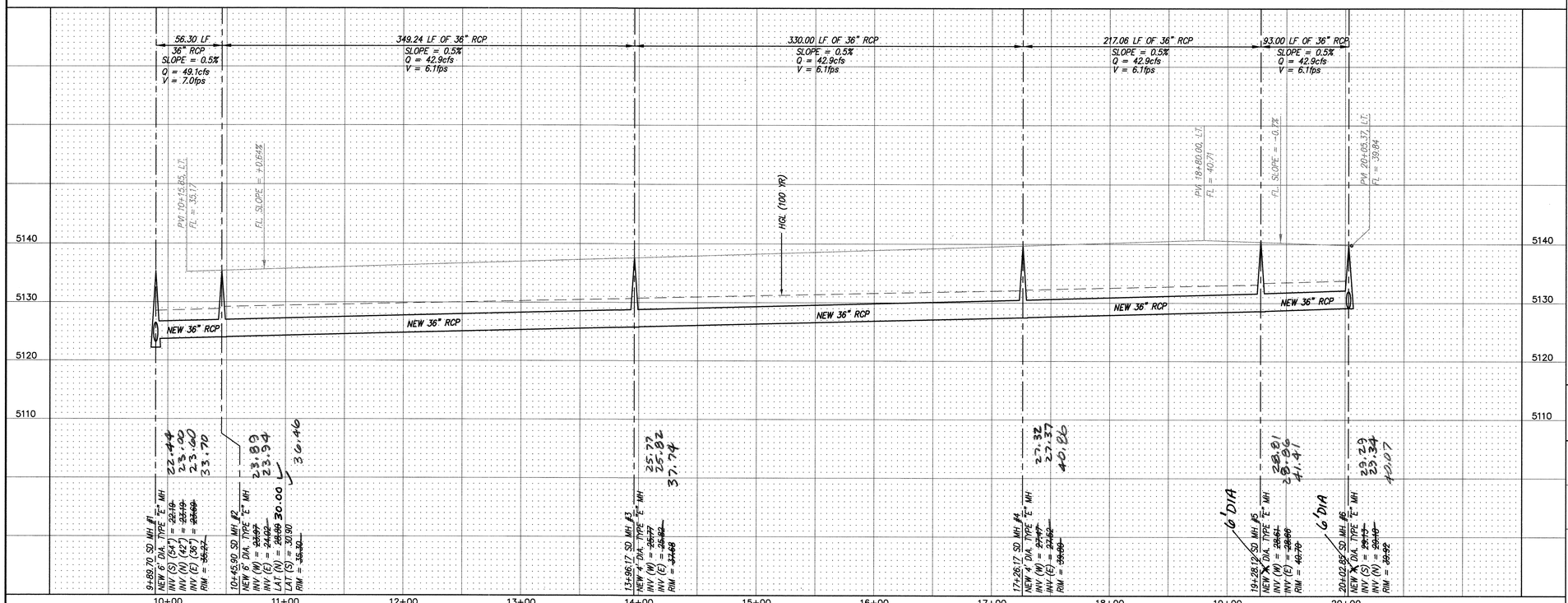
LAST DESIGN UPDATE: MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 658381 | ZONE MAP NO. D-16 | SHEET 21 OF 25

I:\WATER\VDN\0012UP\PRODUCTION\12VDN12P-4.dwg Mon Feb 05 12:23:14 2001 D. MARK GOODWIN & ASSOCIATES PLOTTED BY: KJS

SCANNED BY
MESA REPRO





A0012VDN/00120F4/02-23-01/ACH KJS

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 9°24'38"
R = 298.51'
L = 49.03'
T = 24.57'

② Δ = 95°30'03"
R = 75.00'
L = 125.01'
T = 82.57'

AS BUILT INFORMATION
CONTRACTOR Hydro Systems
WORK STAKED BY Ryan ALS 4/01
SURVEYING ACCEPTANCE BY Ryan DMG 10/01
FIELD VERIFICATION BY ALS DATE 10/01
DRAWINGS CORRECTED BY ALS DATE 10/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
C-C=0.99967012,
Δα= -00°12'16", CENTRAL ZONE,
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
10-1-01

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DLH	DATE 01/01
		DRAWN BY ACH	DATE 01/01
		CHECKED BY DMG	DATE 01/01

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: VILLA DEL NORTE - UNIT 2
OFFSITE STORM SEWER IMPROVEMENTS
46' DRAINAGE EASEMENT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED APR - 5 2001 DESIGN REVIEW COMMITTEE	APPROVED APR 17 2001 CITY ENGINEER			

CITY PROJECT NO. 658381 | ZONE MAP NO. D-16 | SHEET 22 OF 25

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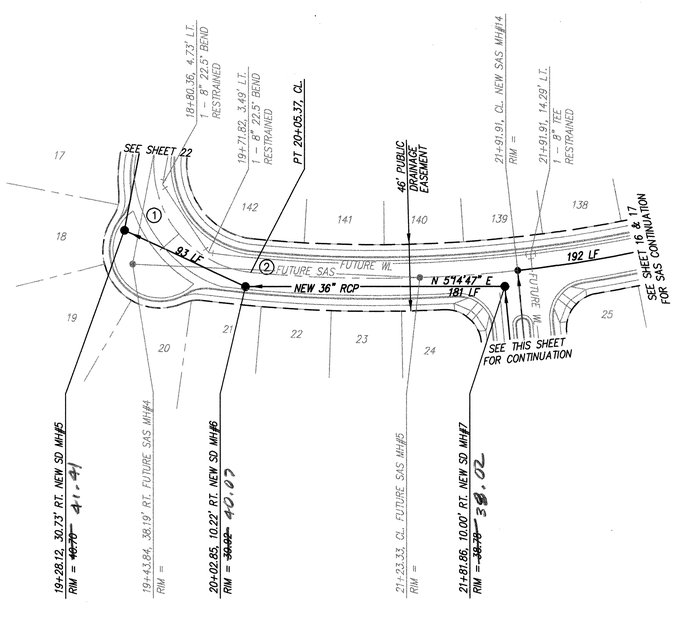
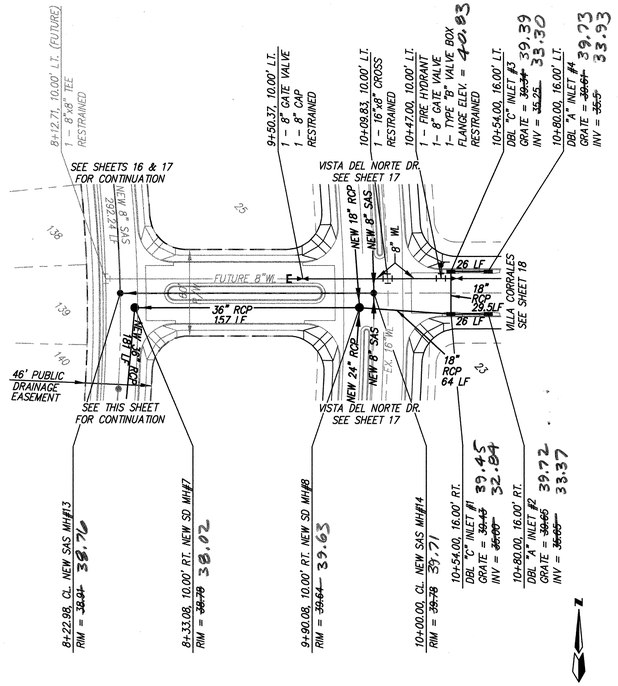


46' DRAINAGE EASEMENT
STA. 10+00.00 TO STA. 21+00.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



46' DRAINAGE EASEMENT
STA. 10+00.00 TO STA. 21+00.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 95°30'03"
R = 75.00'
L = 125.01'
T = 82.57'

② Δ = 11°34'46"
R = 923.01'
L = 186.54'
T = 93.59'

AS BUILT INFORMATION

CONTRACTOR Hydro Systems
WORK STAKED BY ALS DATE 4/01
INSPECTOR'S FIELD NOTES BY DMG DATE 10/01
FIELD VERIFICATION BY ALS DATE 10/01
MICRO-FILM CORRECTED BY ALS DATE 10/01
RECORDED BY DATE
NO.

BENCH MARKS

ACS MONUMENT "NAA-8"
Y=1,513,713.15, X=393,902.61
G-C=0.99967012.
Δα=-0°12'16", CENTRAL ZONE.
(NAD 1927)
ELEVATION=5075.6

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 4-4-02
Diane Hoelzer, PE / NMPE 11967

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS / DESIGN	BY	DATE
		DESIGNED BY	DLH	01/01
		DRAWN BY	ACH	01/01
		CHECKED BY	DMG	01/01

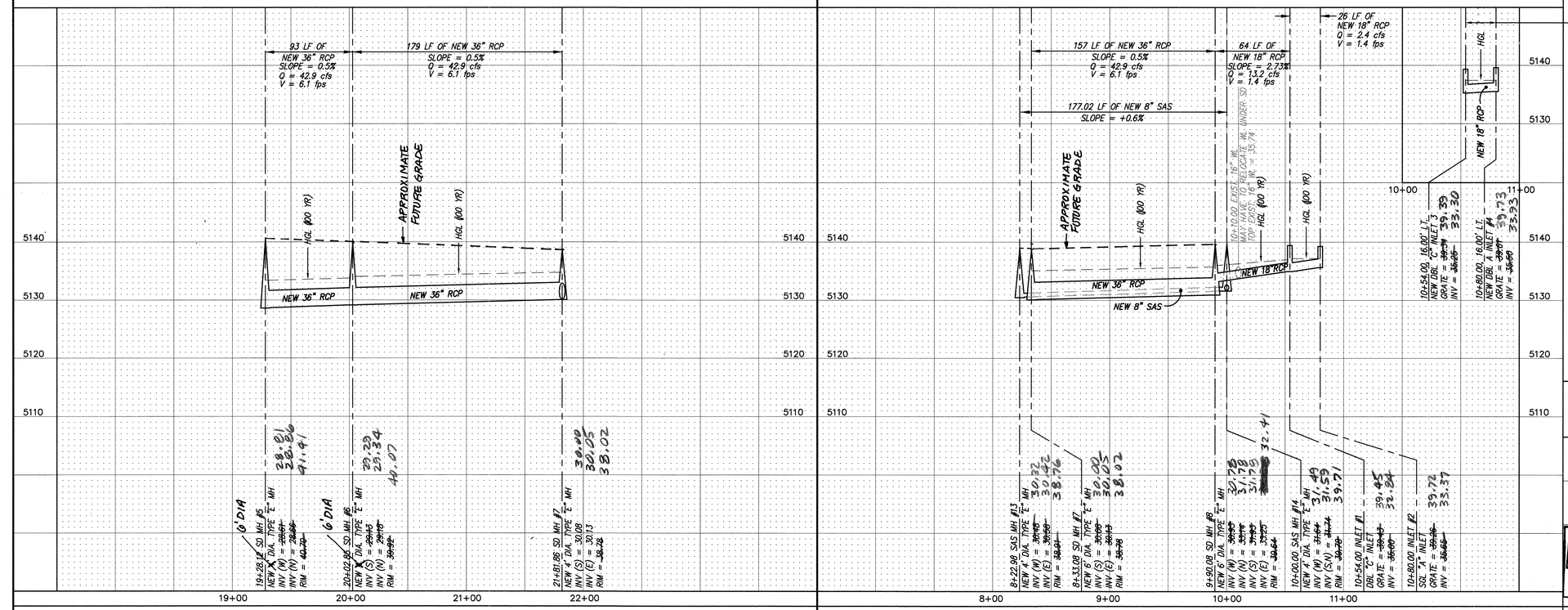
dmg
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VILLA DEL NORTE - UNIT 2
OFFSITE STORM SEWER IMPROVEMENTS
46' DRAINAGE EASEMENT

DESIGN REVIEW COMMITTEE — APPROVED — APR - 5 2001
CITY ENGINEER APPROVAL — APPROVED — APR 17 2001 — CITY ENGINEER
LAST DESIGN UPDATE — MO./DAY/YR.

CITY PROJECT NO. 658381
ZONE MAP NO. D-16
SHEET 23 OF 25



A0012VDN/0012-0F5/02-26-01/ACH KJS

SCANNED BY
MESA REPRO

F:\DATA\DWGS\400)obs\400)2VDN\UNIT2\0012-0F5.dwg Mon Feb 26 13:23:55 2001 D. MARK GOODWIN & ASSOCIATES PLOTTED BY: KJS

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. 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.

2. 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.

3. 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.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. 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.

6. 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.

7. 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.

8. 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.

9. 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.

10. 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.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED. (1)

12. 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.

13. 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.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. 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.

18. 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. (2)

19. 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.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. 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.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

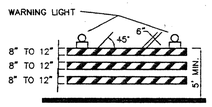
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

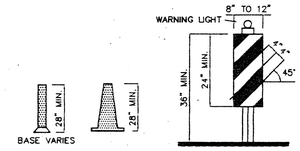
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGTH AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D. (3)

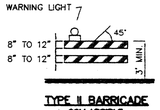
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. (4)



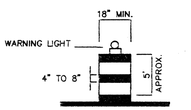
TYPE III BARRICADE



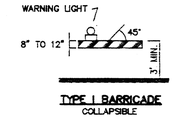
CONES | VERTICAL PANEL | HIGH LEVEL WARNING DEVICE



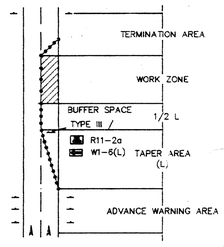
TYPE II BARRICADE COLLAPSIBLE



BARREL



TYPE I BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

LEGEND

	WORK AREA
•	BARRICADE – TYPE I, TYPE II, OR BARREL
⊥	BARRICADE – TYPE III
X	VERTICAL PANEL
⊣	WARNING SIGN
D	DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
	FLAGMAN POSITION
S	SPACING BETWEEN BARRICADES– A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
L	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) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET ALONG 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 MILES 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

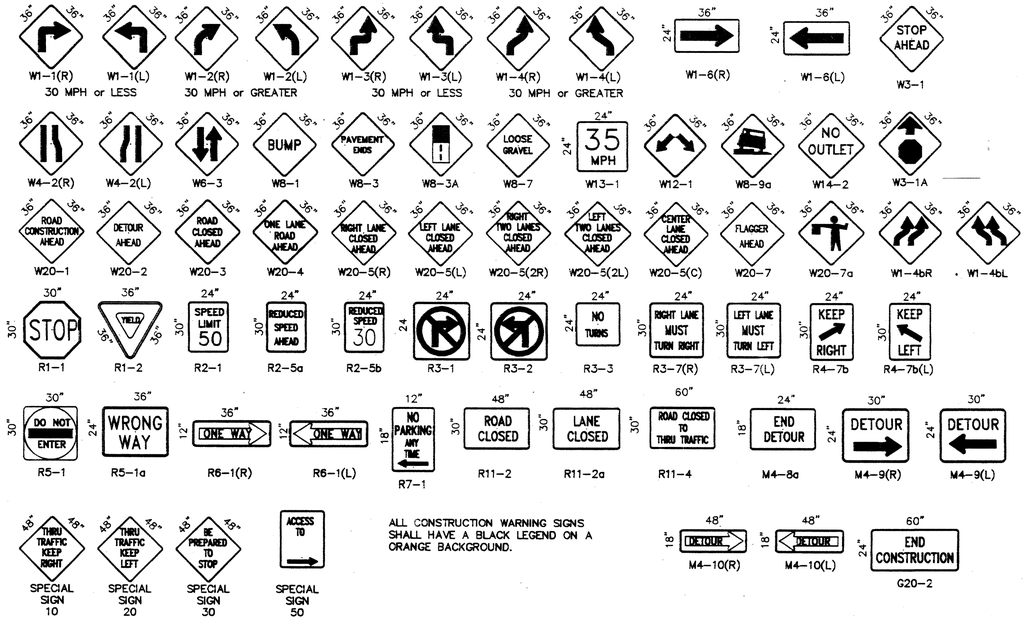
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

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.

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GILBERTO D. ROYBAL
NEW MEXICO
14845
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
4	9/25/97	ADD NOTE NO. 27	J.D.L.
3	9/24/97	REVISED NOTE NO. 26	J.D.L.
2	9/24/97	REVISED NOTE NO. 19	J.D.L.
1	9/24/97	REVISED NOTE NO. 11	J.D.L.

REVISIONS
DESIGN DATE
DESIGNED BY C.O.A. STANDARDS DATE
DRAWN BY DATE
CHECKED BY DATE

Villa Del Norte Unit 2

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

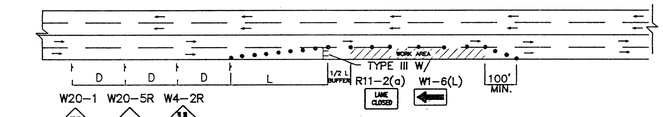
TITLE: **SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR	MO./DAY/YR
C O A Standard				

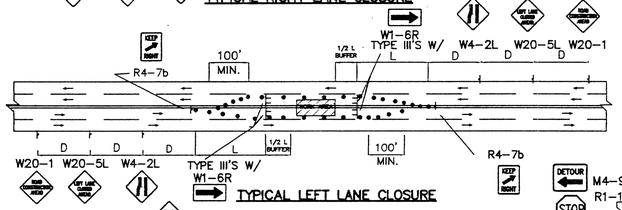
PROJECT NO. 658381 | MAP NO. D-16 | SHEET 24 OF 25

SCANNED BY MESA REPRO

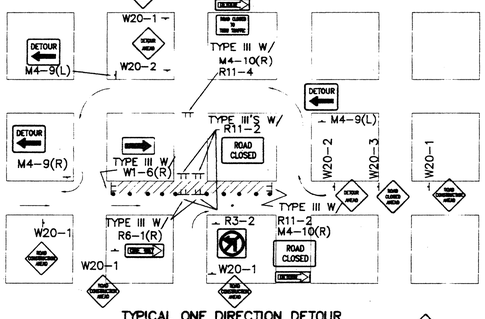
CTCSTND1.DWG



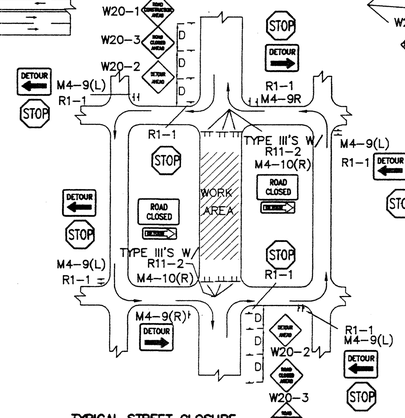
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

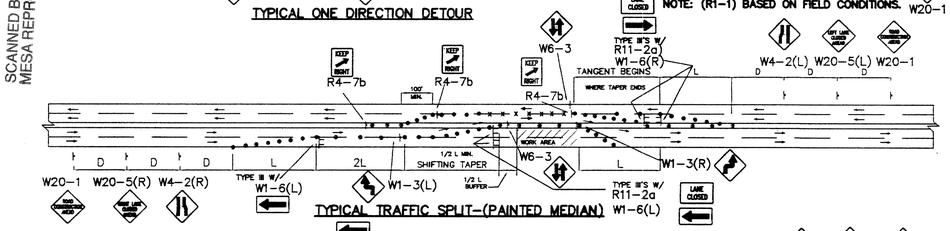


TYPICAL ONE DIRECTION DETOUR

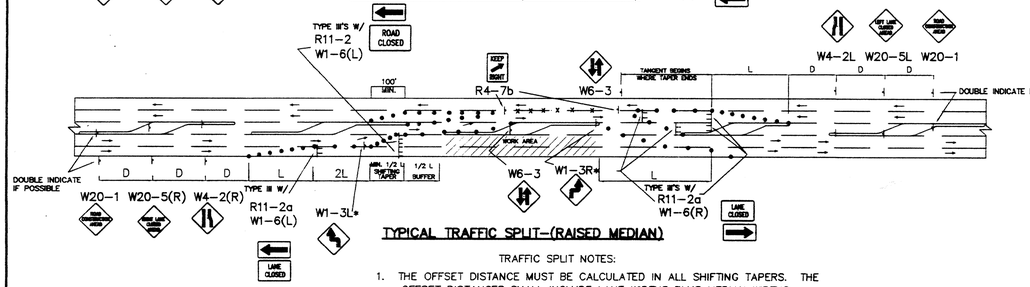


TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



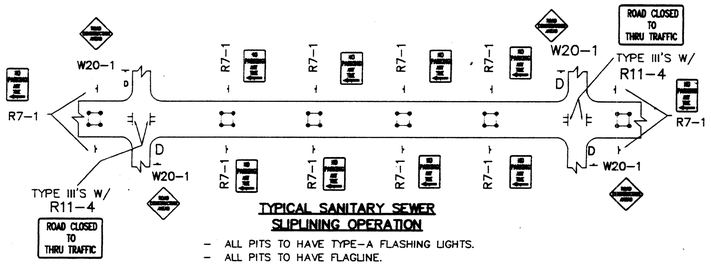
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

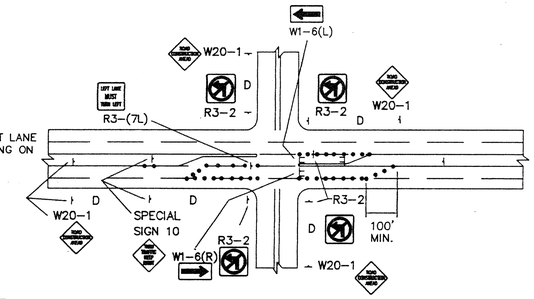
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



TYPICAL SANITARY SEWER SLIPLINING OPERATION

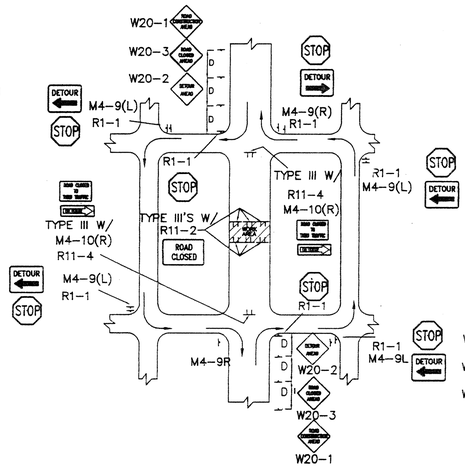
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.

NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.



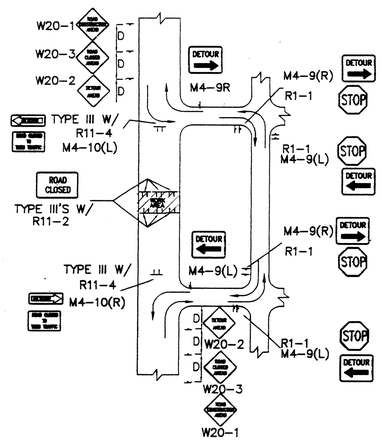
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



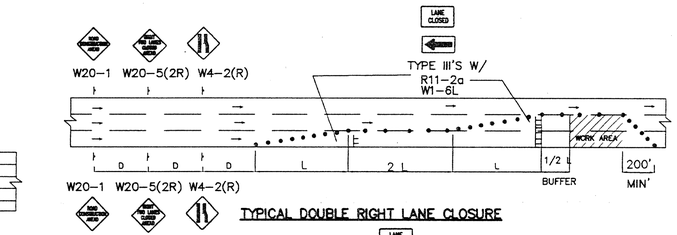
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

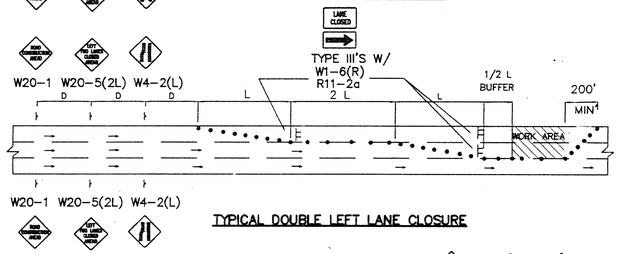


TYPICAL STREET CLOSURE

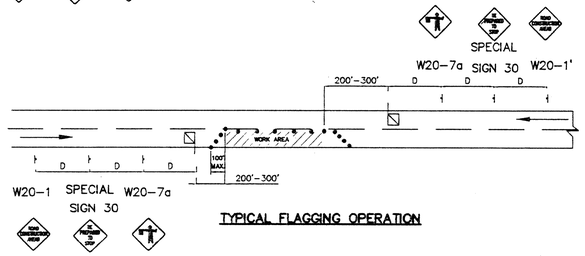
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



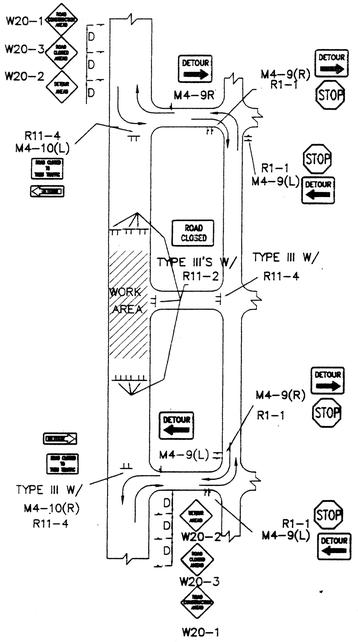
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE

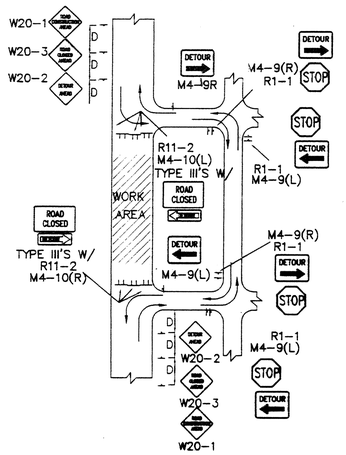


TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

GENERAL NOTE:

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. ⚠

SCANNED BY MESA REPRO

GTCBTND2.DWG

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S FIELD CHANGE BY DATE
VERIFICATION BY DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

SEAL

ENGINEER'S SEAL
BLAYDON B. BUTLER
NEW MEXICO
14985
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY
⚠	9/24/97	REVISED GENERAL NOTE	J.D.L.

DESIGNED BY
DRAWN BY
CHECKED BY
C.O.A. STANDARDS DATE
DATE
DATE

Villa Del Norte Unit 2

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
COA Standard				

PROJECT NO. 658381 | MAP NO. D-16 | SHEET 25 OF 25