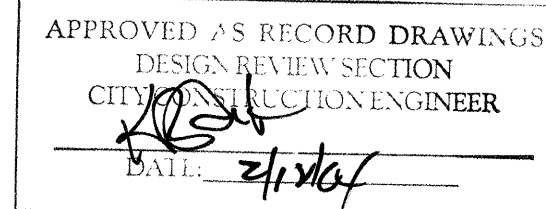


CONSTRUCTION PLANS
FOR
VISTA DEL NORTE - UNIT 3B
ALTA TIERRA DEL NORTE
ALBUQUERQUE, NEW MEXICO

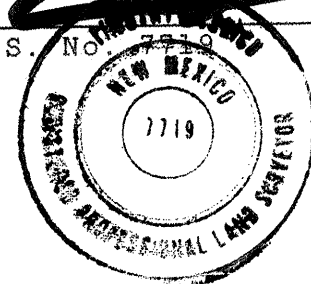
SCANNED BY
MESA REPRO



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. 12-16-03 Date



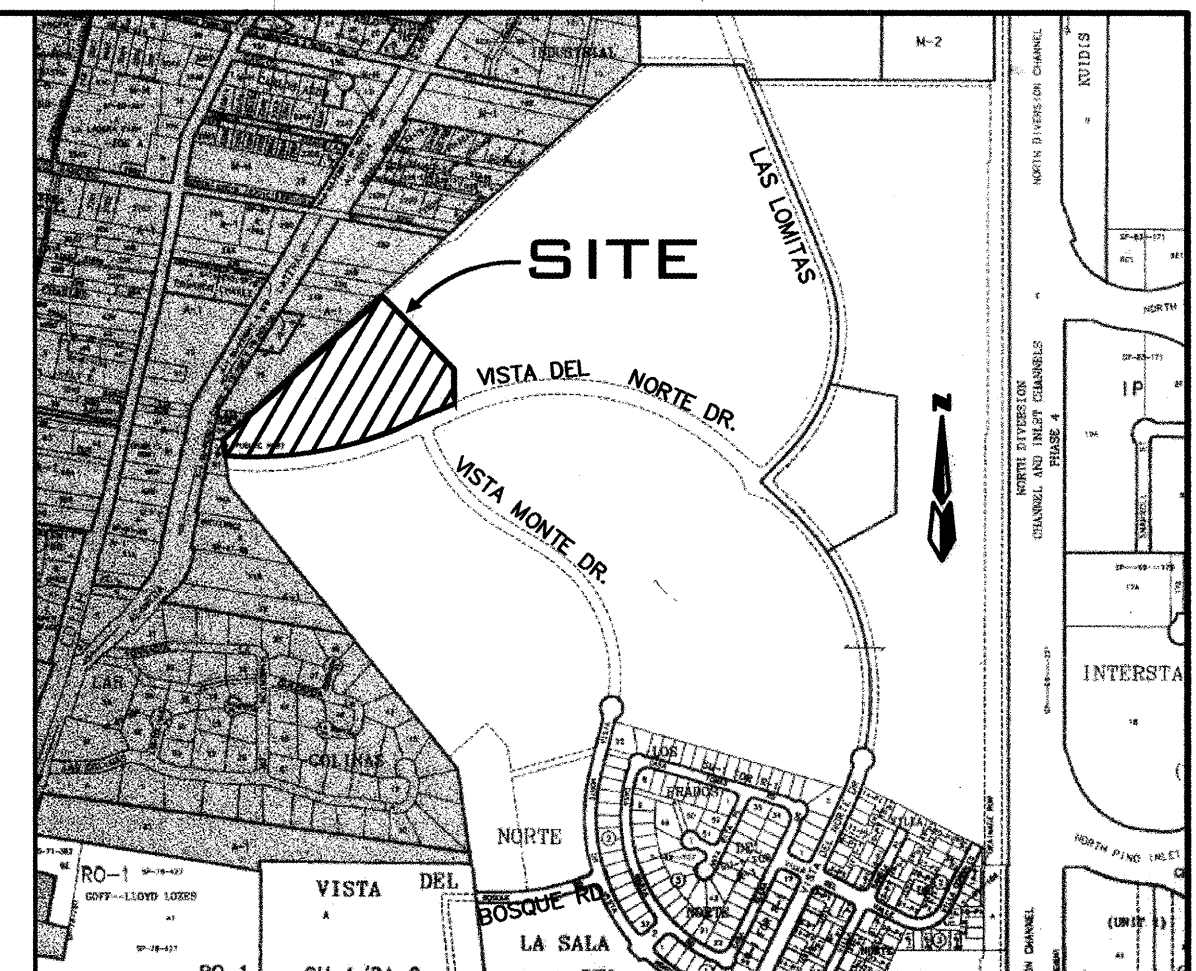
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane Hoelzer, NMPE 11987, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.



INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2-4	PLAT
5	GRADING AND DRAINAGE PLAN
6	NORTH POND GRADING AND DRAINAGE PLAN
7	MASTER PAVING PLAN
8	CALLE FUERTE
9	CALLE MONTANA & VIA DE CALMA
10	VISTA DEL NORTE
11	MASTER UTILITY PLAN
12	CALLE FUERTE
13	CALLE MONTANA & VIA DE CALMA
14	VISTA DEL NORTE WATERLINE
15	WATER DETAIL
16-15	TRAFFIC CONTROL



VICINITY MAP ZONE ATLAS D-16 SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
 - 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.
 - TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
 - 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.
 - 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 (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
 - ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
 - 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.
 - 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.
 - CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
 - CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) SEVEN (7) 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 SEVEN (7) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
 - FOR STORM DRAIN CONSTRUCTION, RCP JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE BY CITY.
 - ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

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

CAUTION:

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

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

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	26	6826.84	01/04				
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****APPROVED FOR CONSTRUCTION		
		DRG CHAIRMAN	TRANSPORTATION	1/23/03	CITY ENGINEER DATE 5/1/03		
		WATER/WASTEWATER	HYDROLOGY	1/23/03			
		CIP	BERNALILLO CO.	2/12/03			
		CONSTR. COORD.		2/2/03			
		CITY PROJECT NO.	682684				
		SHEET	OF	1	17		

DRB NO.

1001396

SCANNED BY
MESA REPRO

LEGAL DESCRIPTION

A Tract of land situated 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-A-1-B-1 Meseta Del Norte Subdivision 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 May 16, 2002 in Book 2002C, Page 173 and being all of Tract T-3-A-1-A Diamante Del Norte Subdivision filed for record in the office of the county clerk of Bernalillo County, New Mexico July 15, 2002 in Book 2002C, Page 242 containing 21.0665 Acres.

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 "DIAMANTE DEL NORTE SUBDIVISION" (07/15/02, 2002C-242)
PLAT FOR "MESETA DEL NORTE SUBDIVISION" (05/16/02, 2002C-173)
BULK PLAT FOR "TRACTS T-2-A-1-A, T-2-A-1-B, T-2-A-1-C, T-2-A-1-D, T-3-A, AND T-3-B, VISTA DEL NORTE SUBDIVISION" (01-20-02, 2002C-31)
PLAT FOR "TRACTS T-2-A-1, T-2-A-2 VISTA DEL NORTE SUBDIVISION", (06-19-01, 2001C-171)
PLAT FOR "TRACTS T-2-A, T-2-B VISTA DEL NORTE SUBDIVISION", (02-22-01, 2001C-58)
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 56" 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, restoration, 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. Tract "A" is to be owned and maintained by the Vista Del Norte Homeowner's Association.

PURPOSE OF PLAT

1. Subdivide T-2-A-1-B-1 Meseta Del Norte Subdivision and Tract T-3-A-1-A Diamante Del Norte Subdivision into 2 Tracts and 32 Lots.
2. Grant easements as shown.
3. Dedicate right-of-way as shown.
4. Vacate easements as shown.

OFFICIAL SEAL
KAREN LEE ARFMAN
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires 11-18-2005



LOCATION MAP

ZONE ATLAS D-16-Z
SCALE: NONE

SUBDIVISION DATA

Plat Case No. Project #1001396
Case #
Gross acreage 21.0665 AC
Zone Atlas No. D-16-Z
No. of existing Tracts/Lots 2 TRACTS
No. of Tracts/Lots created 2 TRACT/32 LOTS
No. of Tracts/Lots eliminated 0
Miles of full width streets created 0.34
Area dedicated to the City of Albuquerque 3.4602 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 rights-of-ways shown hereon to the City of Albuquerque in fee simple with warranty covenants and do hereby grant to 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. Said owner(s) warrant that they hold among them complete and indefeasible title to the land subdivided.

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

JOHN A. MYERS, ASSISTANT MANAGER PRO TEM

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO

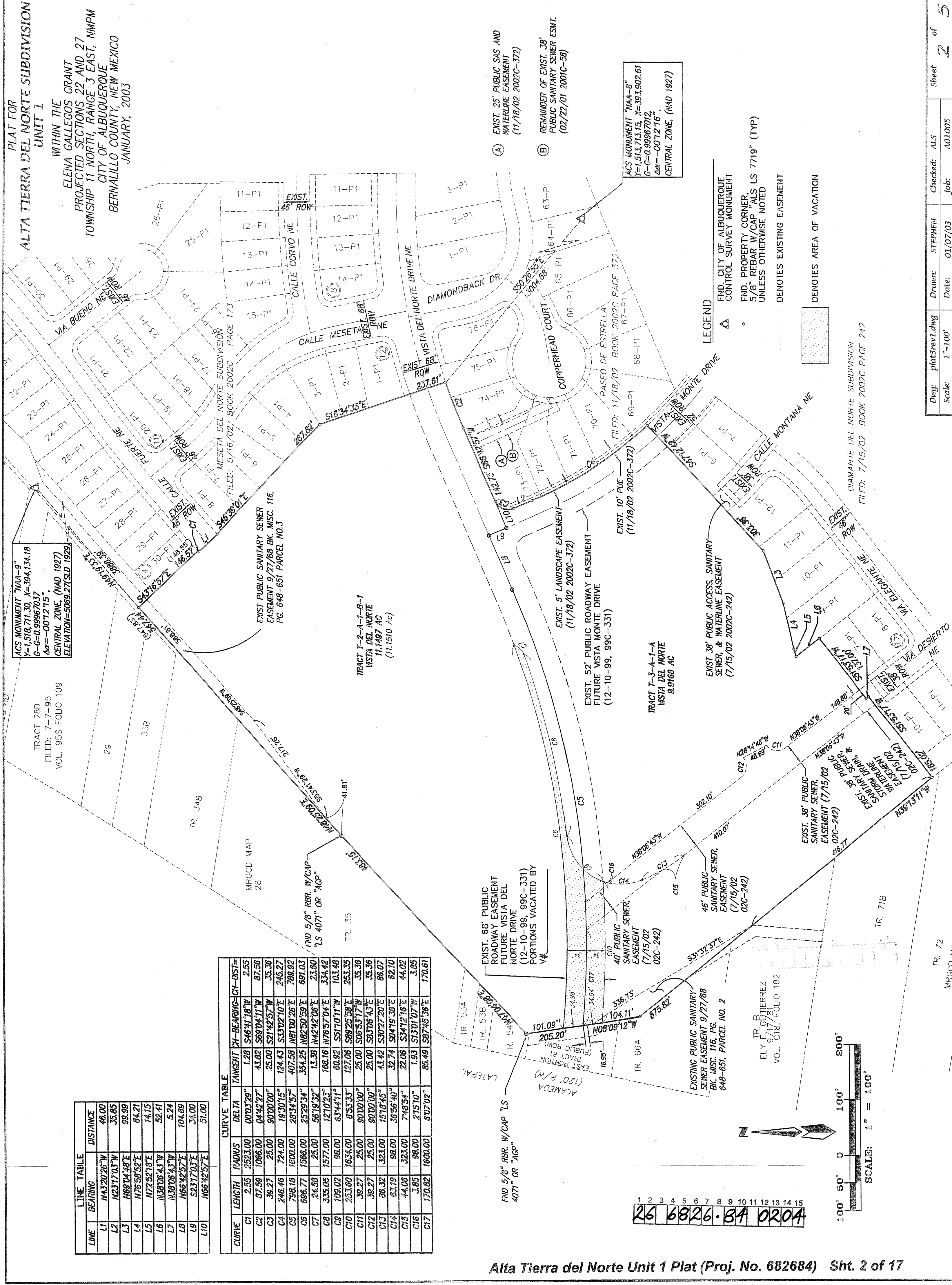
COUNTY OF BERNALILLO

This instrument was acknowledged before me on Jan. 2, 2003
By John A. Myers, Assistant Manager pro tem Vista Del Norte Development, LLC
A New Mexico company on behalf of said company

Karen Lee Arfman 11-18-2005
NOTARY PUBLIC MY COMMISSION EXPIRES

LINE	BEARING	RADIUS	DELTA	TANGENT	CH-CH DIST	
L1	N43°20'26"W	46.00	1.28	S64°41'16"W	2.55	
L2	N23°17'03"W	35.65	43.62	S68°04'11"W	67.56	
L3	N69°04'48"E	99.99	25.00	S27°42'57"W	35.36	
L4	N75°39'52"E	84.21	124.43	S53°02'10"E	243.27	
L5	N72°32'18"E	14.15	407.59	N67°00'28"E	788.92	
L6	N30°06'41"W	52.41	354.25	N62°50'59"E	691.03	
L7	N30°06'41"W	52.41	13.39	N42°42'08"E	23.60	
L8	N65°42'57"E	34.00	168.16	N78°32'04"E	334.42	
L9	N65°42'57"E	34.00	63°44'11"	60.92	S51°10'11"W	103.49
L10	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	
L11	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	
L12	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	
L13	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	
L14	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	
L15	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	
L16	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	
L17	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	
L18	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	
L19	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	
L20	N65°42'57"E	51.00	25.00	S69°25'59"E	263.35	

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH-CH DIST	
C1	2.55	253.00	0°03'28"	1.28	S64°41'16"W	2.55
C2	97.59	1086.00	0°42'27"	43.62	S68°04'11"W	67.56
C3	39.27	25.00	90°00'00"	25.00	S27°42'57"W	35.36
C4	246.46	724.00	19°30'15"	124.43	S53°02'10"E	243.27
C5	788.18	1600.00	28°54'57"	407.59	N67°00'28"E	788.92
C6	696.77	1566.00	25°29'34"	354.25	N62°50'59"E	691.03
C7	24.59	25.00	56°19'32"	13.39	N42°42'08"E	23.60
C8	335.05	1577.00	12°10'23"	168.16	N78°32'04"E	334.42
C9	108.02	98.00	63°44'11"	60.92	S51°10'11"W	103.49
C10	253.60	1634.00	6°53'53"	127.06	S69°25'59"E	263.35
C11	39.27	25.00	90°00'00"	25.00	S69°25'59"E	263.35
C12	39.27	25.00	90°00'00"	25.00	S69°25'59"E	263.35
C13	66.32	323.00	15°16'45"	43.42	S30°27'20"E	66.07
C14	43.08	98.00	36°56'40"	32.74	S04°12'39"E	44.02
C15	44.02	323.00	2°48'54"	22.06	S41°2'16"E	44.02
C16	3.65	68.00	2°15'10"	1.93	S17°02'17"W	3.65
C17	170.61	1602.00	9°07'02"	85.49	S27°45'38"E	170.61

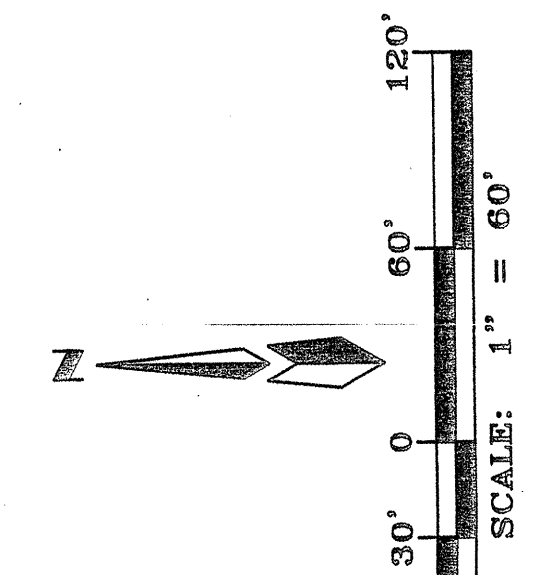


PLAT FOR
ALTA TIERRA DEL NORTE SUBDIVISION
UNIT 1

WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22 AND 27
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JANUARY, 2003

SCANNED BY
MESA REPRO

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



SEE CURVE TABLE ON SHEET 5 OF 5
FOR CURVE INFORMATION.

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

SEE SHEET 4 OF 5 FOR CONTINUATION

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Checked:	ALS	Job:	A01005
Sheet	3	of	5

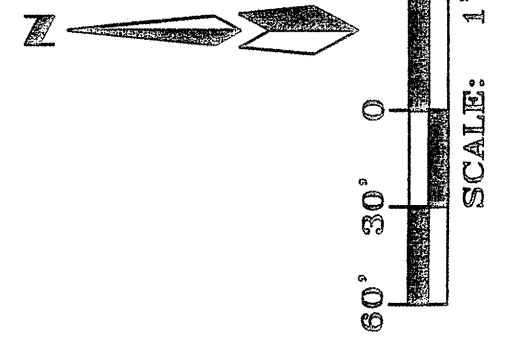
SEE SHEET 4 OF 5 FOR CONTINUATION

PLAT FOR
ALTA TIERRA DEL NORTE SUBDIVISION
UNIT 1

WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 22 AND 27
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JANUARY, 2003

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

26 6826.84 0304



SEE CURVE TABLE ON SHEET 5 OF 5
FOR CURVE INFORMATION.

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

Dwg:	plat4rev1.dwg	Scale:	1"=100'
Drawn:	STEPHEN	Date:	01/07/03
Checked:	ALS	Job:	A01005
Sheet	4	of	5

PLAT FOR
ALTA TIERRA DEL NORTE SUBDIVISION
UNIT 1

WITHIN THE
ELENA GALLEGOS GRANT
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TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JANUARY, 2003

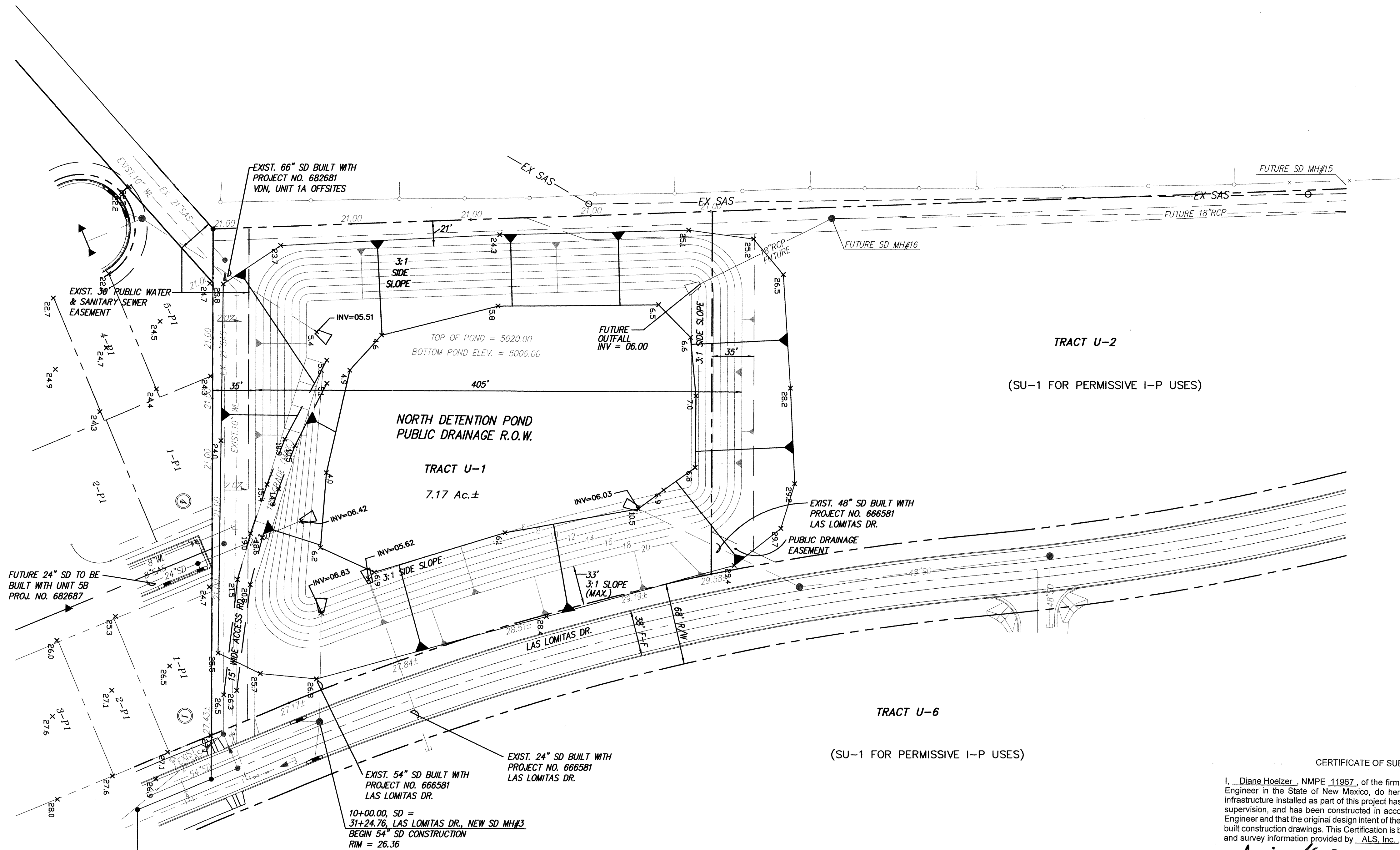
LINE	BEARING	DISTANCE
L1	N43°20'26"W	46.00
L2	N23°17'03"W	35.65
L3	N69°04'48"E	99.99
L4	N78°58'52"E	84.21
L5	N72°32'18"E	14.15
L6	N38°08'43"W	52.41
L7	N65°42'57"E	104.69
L8	S23°17'03"E	34.00
L9	S19°08'07"E	51.00
L10	S00°42'09"E	26.06
L11	S43°20'59"W	22.00

CURVE	LENGTH	RADIUS	DELTA	TANGENT	PI-BEARING-CH-DIST=
C81	151.55	277.00	31°20'48"	77.72	S36°27'09"W 148.66
C82	214.43	45.00	27°30'19"	42.69	S74°57'59"E 61.94
C83	68.66	98.00	38°58'28"	34.68	S63°33'02"W 65.39
C84	280.74	1600.00	10°03'12"	140.73	S89°43'41"E 280.38
C85	401.60	1600.00	14°22'52"	201.86	N78°03'19"E 400.55
C86	64.30	1600.00	2°18'09"	32.15	N67°32'02"E 64.29
C87	194.93	45.00	24°81'47"	66.47	N77°26'52"E 74.53
C88	160.43	523.00	17°34'30"	80.85	N34°04'18"W 158.80
C89	146.32	477.00	17°34'30"	73.74	N34°04'18"W 145.74
C90	338.06	1577.00	12°10'24"	168.16	S78°57'05"W 334.43
C91	19.76	523.00	2°18'55"	9.88	S24°22'00"E 16.76
C92	15.57	523.00	1°42'19"	7.78	N40°00'34"W 15.56
C93	51.56	1600.00	1°50'47"	25.78	N63°56'59"E 51.55
C94	115.85	1600.00	4°08'55"	57.95	N68°47'23"E 115.83
C95	118.31	1634.00	4°08'55"	59.19	N68°47'23"E 118.29

CURVE	LENGTH	RADIUS	DELTA	TANGENT	PI-BEARING-CH-DIST=
C1	2.55	2523.00	0°03'29"	1.28	S46°41'18"W 2.55
C2	87.59	1066.00	04°42'27"	43.62	S89°04'11"W 87.56
C3	39.27	25.00	90°00'00"	25.00	S71°45'37"W 35.36
C4	246.46	774.00	18°30'16"	124.43	S33°02'10"E 245.27
C5	798.18	1600.00	28°34'57"	407.58	N60°10'26"E 788.92
C6	698.77	1566.00	28°34'57"	354.23	N62°59'59"E 691.03
C7	24.59	25.00	2°28'54"	12.29	S42°32'06"E 23.60
C8	335.06	1577.00	5°18'32"	173.58	N42°42'06"E 334.42
C9	109.00	97.96	12°10'23"	60.92	N78°57'04"E 103.46
C10	253.60	1634.00	8°53'33"	127.06	S89°25'59"E 253.35
C11	39.27	25.00	90°00'00"	25.00	S08°53'17"W 35.36
C12	39.27	25.00	90°00'00"	25.00	S91°09'43"E 35.36
C13	86.32	323.00	15°18'45"	43.42	S30°27'20"E 86.07
C14	63.19	98.00	36°56'40"	32.74	S04°19'58"E 62.10
C15	44.06	323.00	7°48'54"	22.06	S34°12'16"E 44.02
C16	3.65	98.00	2°15'10"	1.93	S10°10'07"W 3.65
C17	170.82	1600.00	6°07'02"	85.49	S97°45'36"E 170.61
C18	219.80	300.00	41°59'45"	115.10	S10°03'11"W 214.92
C19	153.37	500.00	17°34'30"	77.29	N32°04'18"W 152.77
C20	400.10	2500.00	9°10'10"	200.48	N47°32'28"E 399.67
C21	130.25	2500.00	2°59'08"	65.14	N50°38'00"E 130.23
C22	269.85	2500.00	3°17'04"	135.08	N46°02'59"E 269.72
C23	161.58	2500.00	3°42'11"	80.82	S44°48'28"W 161.55
C24	144.41	2500.00	3°18'55"	72.22	S45°00'17"W 144.39
C25	171.77	2500.00	0°23'56"	8.58	S43°09'11"W 171.77
C26	84.48	2523.00	127°52'	32.24	S45°59'07"W 64.48
C27	84.48	2523.00	127°52'	32.24	S44°31'15"W 64.48
C28	28.94	2477.00	0°49'56"	14.47	N41°17'28"E 28.94
C29	67.31	2477.00	1°40'10"	14.47	N41°17'28"E 28.94
C30	67.31	2477.00	1°33'25"	33.66	N44°24'16"E 67.31
C31	67.31	2477.00	1°33'25"	33.66	N45°57'41"E 67.31
C32	67.31	2477.00	1°33'25"	33.66	N47°31'06"E 67.31
C33	67.31	2477.00	1°33'25"	33.66	N49°04'31"E 67.31
C34	33.92	2477.00	0°42'55"	15.46	N51°46'08"E 33.92
C35	33.92	2477.00	0°42'55"	15.46	N51°46'08"E 33.92
C36	33.05	367.84	5°08'52"	115.94	S40°11'40"W 33.04
C37	65.74	323.00	11°39'41"	32.98	S40°25'57"W 65.63
C38	65.74	323.00	11°39'41"	32.98	S28°46'16"W 65.63
C39	21.14	323.00	3°44'56"	10.57	S21°03'57"W 21.13
C40	18.48	25.00	42°21'14"	9.69	N40°22'05"E 18.06
C41	38.56	45.00	49°05'26"	20.55	S56°59'59"W 37.89
C42	85.31	45.00	122°1'05"	4.87	S48°13'17"E 78.47
C43	80.57	45.00	102°34'47"	96.15	N19°48'47"E 70.23
C44	22.80	25.00	52°15'22"	12.26	S05°20'56"E 22.02
C45	108.05	277.00	8°59'51"	21.79	S25°16'41"W 43.45
C46	83.92	2523.00	1°54'20"	41.96	N51°10'23"E 83.91
C47	83.92	2523.00	1°54'20"	41.96	N51°10'23"E 83.91
C48	38.63	25.43	87°00'54"	24.14	N65°19'10"W 35.02
C49	90.38	1000.00	4°42'27"	45.21	S69°04'11"W 90.35
C50	23.17	477.00	1°16'16"	11.59	N39°28'04"W 23.16
C51	85.21	477.00	1°04'09"	42.72	N32°57'31"W 85.10
C52	37.93	477.00	4°13'24"	18.98	N25°33'45"W 37.92
C53	41.08	25.00	94°08'55"	26.88	N23°47'25"E 36.81
C54	125.63	1577.00	4°34'18"	62.96	N73°09'07"E 125.60
C55	169.60	1577.00	4°34'18"	62.96	N73°09'07"E 125.60
C56	245.71	1577.00	6°53'19"	94.91	N78°32'50"E 168.48
C57	62.55	523.00			

F:\A01\085A\1005\VDN\UNIT3B\A1005-POND-RR.dwg, 01/14/04 03:14:38 PM, MARK GOODWIN & ASSOCIATES, Plotted By: RDQ

SCANNED BY
MESA REPRO



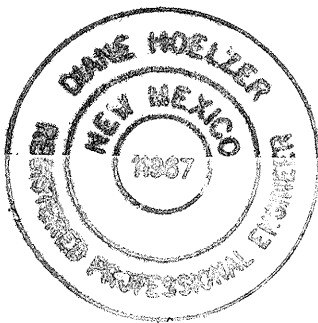
NOTES

1. ALL SIDE SLOPES TO BE 90% COMPACTION.

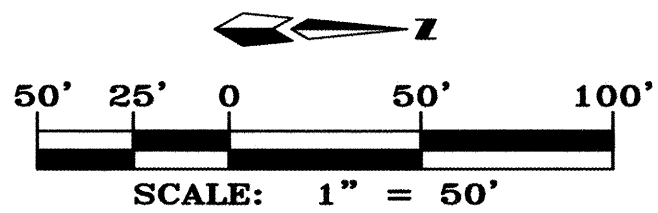
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane Hoelzer, NMPE 1196Z, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Diane Hoelzer 1/14/04



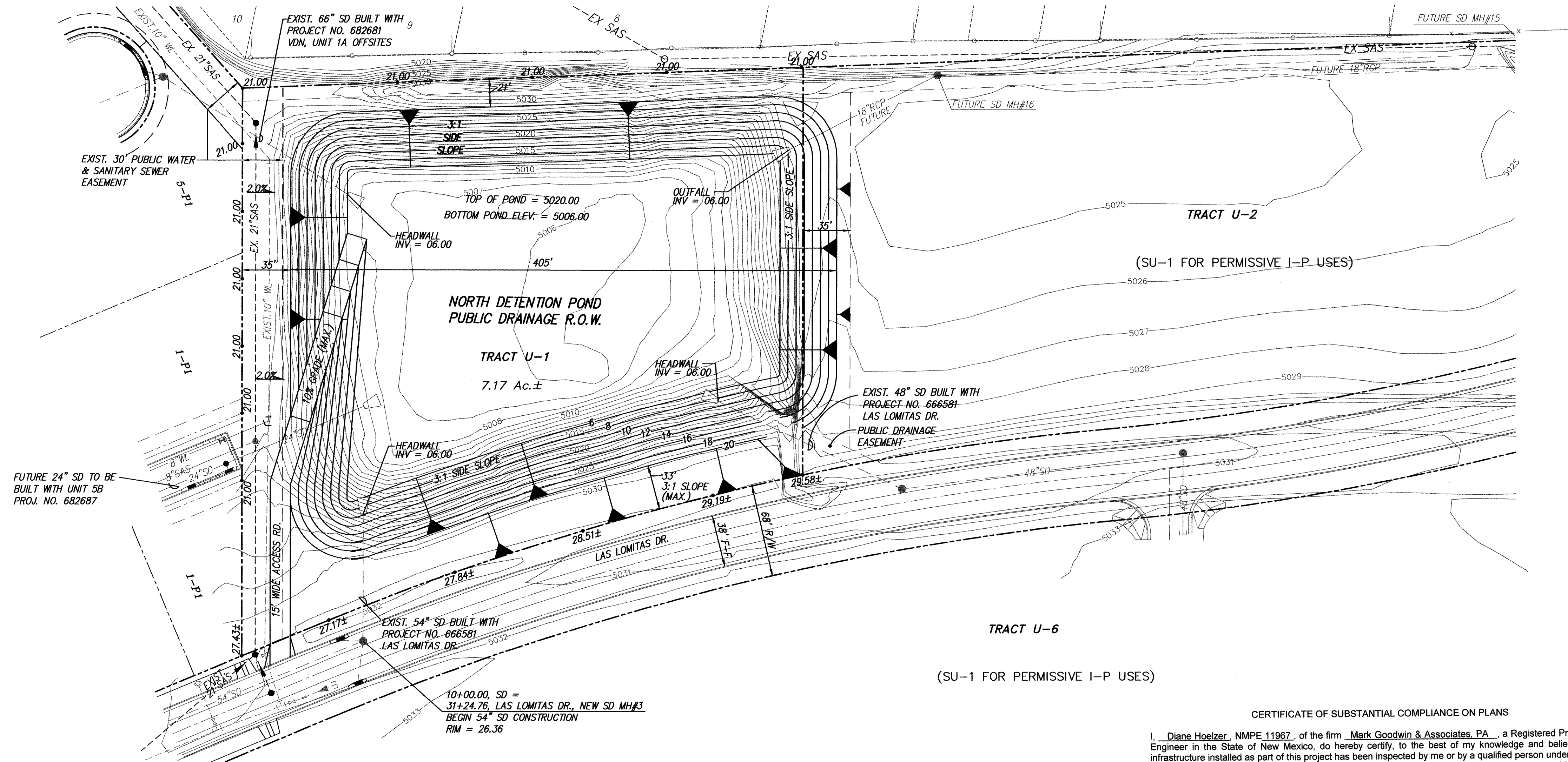
dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90806 ALBUQUERQUE, NEW MEXICO 87199 (505) 828-2200, FAX (505) 797-9539	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: VISTA DEL NORTE - UNIT 3B NORTH POND GRADING & DRAINAGE PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
LAST DESIGN UPDATE	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.
682684	D-16
SHEET	OF
6R	17



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6826.54 6804

F:\A01005\VDN\UNIT 3B\A1005-POND-R.dwg Mon Jan 06 16:29:25 2003 D. MARK GOODWIN & ASSOCIATES; PLT'D BY: ACH

SCANNED BY
MESA REPRO

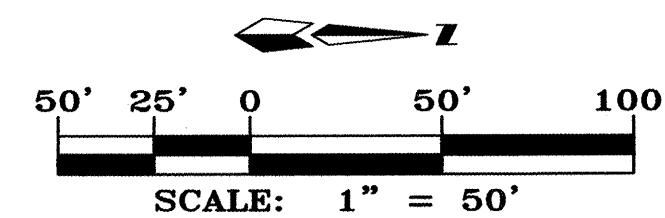
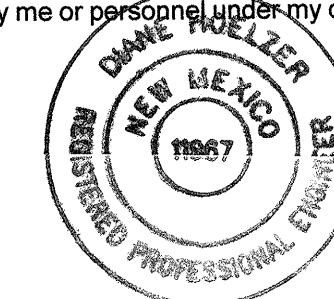


TRACT U-6
(SU-1 FOR PERMISSIVE I-P USES)

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

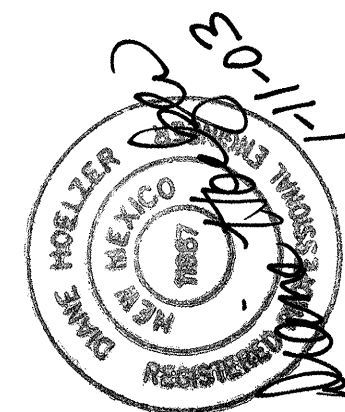
I, Diane Hoelzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Diane Hoelzer 12-18-03



- NOTES
- ALL SIDE SLOPES TO BE 90% COMPACTION.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	SWADANCE	DATE	ACS BRASS CAP STAMPED "MAA-9"	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
INSPECTOR'S	ALS	DATE	LOCATED IN SOUTHEAST QUADRANT OF PASEO DEL NORTE &	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
FIELD ENGINEER	DMG	DATE	NORTH DIVERSION CHANNEL INTERSECTION.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
VERIFICATION BY	ALS	DATE	GEOGRAPHIC POSITION (NAD 1927), IN FEET	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
CORRECTED BY	ALS	DATE	N.M. STATE PLANE COORDINATES (CENTRAL ZONE)	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
MICRO-FILM INFORMATION		DATE	X = 394,134.18 Y = 1,518,711.30	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
RECORDED BY		DATE	ELEVATION = 5069.27 (NGVD 1929), IN FEET	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
NO.		DATE		DATE	BY	NO.	DATE	BY	NO.	DATE	BY



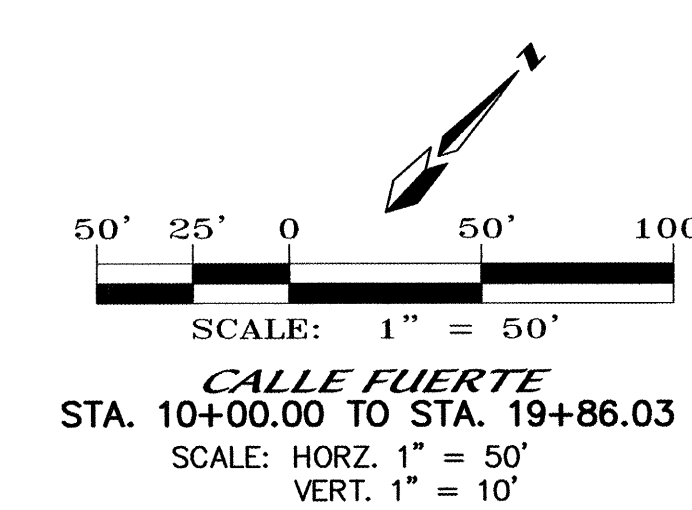
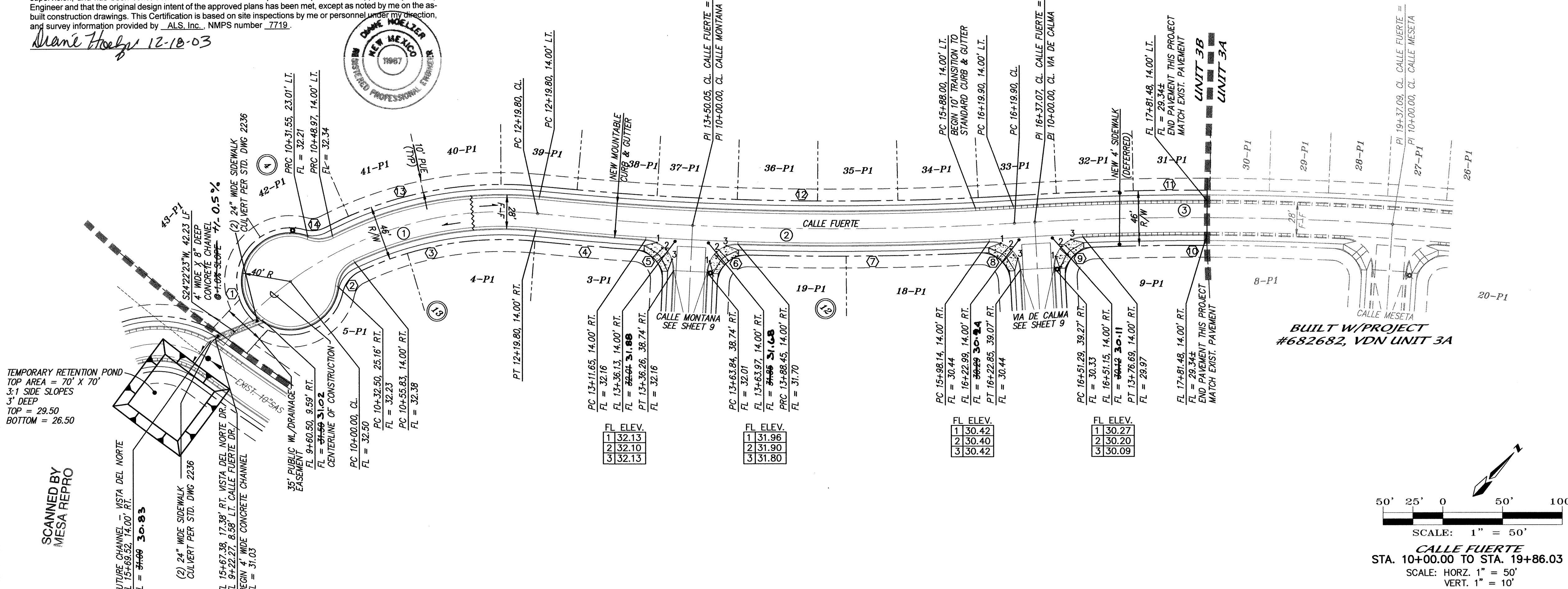
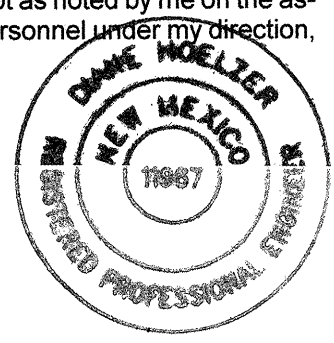
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26 6826.84 0604

dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 (505) 828-2200, FAX (505) 797-9539	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: VISTA DEL NORTE - UNIT 3B NORTH POND GRADING & DRAINAGE PLAN	
DESIGN REVIEW COMMITTEE APR 24 2003	CITY ENGINEER APPROVAL MAY - 1 2003
CITY PROJECT NO. 682684	ZONE MAP NO. D-16
SHEET 6	OF 17

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane Hoelzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Diane Hoelzer 12-10-03



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES FACE OF CURB

① Δ = 285°56'02"	② Δ = 58°38'50"
R = 40.00'	R = 25.00'
L = 199.62'	L = 25.59'
T = N/A	T = 14.04'
③ Δ = 31°18'59"	④ Δ = 2°06'18"
R = 286.00'	R = 2514.00'
L = 156.32'	L = 92.36'
T = 80.17'	T = 46.19'
⑤ Δ = 89°07'12"	⑥ Δ = 89°07'12"
R = 25.00'	R = 25.00'
L = 38.89'	L = 38.89'
T = 24.62'	T = 24.62'
⑦ Δ = 4°48'20"	⑧ Δ = 89°53'41"
R = 2514.00'	R = 25.00'
L = 210.86'	L = 39.22'
T = 105.49'	T = 24.95'
⑨ Δ = 90°54'29"	⑩ Δ = 5°03'36"
R = 25.00'	R = 2486.00'
L = 39.67'	L = 219.54'
T = 25.40'	T = 109.85'
⑪ Δ = 11°20'19"	⑫ Δ = 9°10'10"
R = 2514.00'	R = 2486.00'
L = 497.50'	L = 397.86'
T = 249.57'	T = 199.35'
⑬ Δ = 32°37'34"	⑭ Δ = 48°35'48"
R = 314.00'	R = 25.00'
L = 178.80'	L = 21.20'
T = 91.90'	T = 11.29'

CURVE DATA - DESCRIBES CENTERLINE

① Δ = 41°58'45"	② Δ = 9°10'10"
R = 300.00'	R = 2500.00'
L = 219.80'	L = 400.10'
T = 115.10'	T = 200.47'
③ Δ = 7°16'10"	
R = 2500.00'	
L = 317.19'	
T = 158.81'	

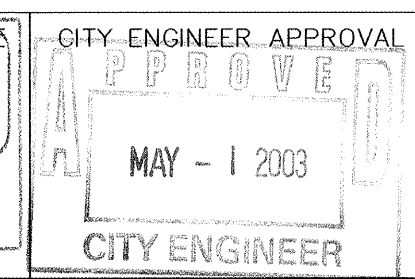
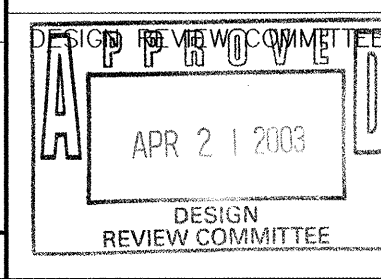
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6826.84 0804

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



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: VISTA DEL NORTE - UNIT 3B
CALLE FUERTE
PAVING IMPROVEMENTS

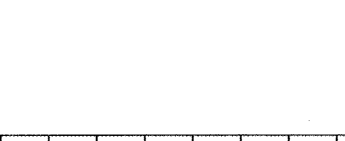


CITY PROJECT NO. 682684 ZONE MAP NO. D-16 SHEET 8 OF 17

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	DATE	CONTRACTOR	DATE
				ALS	8/03
				INSPECTOR	8/03
				DMG	11/03
				FIELD ENGINEER	11/03
				ALS	11/03
				VERIFICATION BY	DATE
				CORRECTED BY	DATE
				MICRO-FILM INFORMATION	DATE
				RECORDED BY	NO.

ENGINEER'S SEAL		REVISIONS		DESIGNED BY	
		NO.	DATE	DATE	DATE
		REMARKS	BY	DLH	02/02
		DESIGN		ACH	02/02
				DMG	02/02

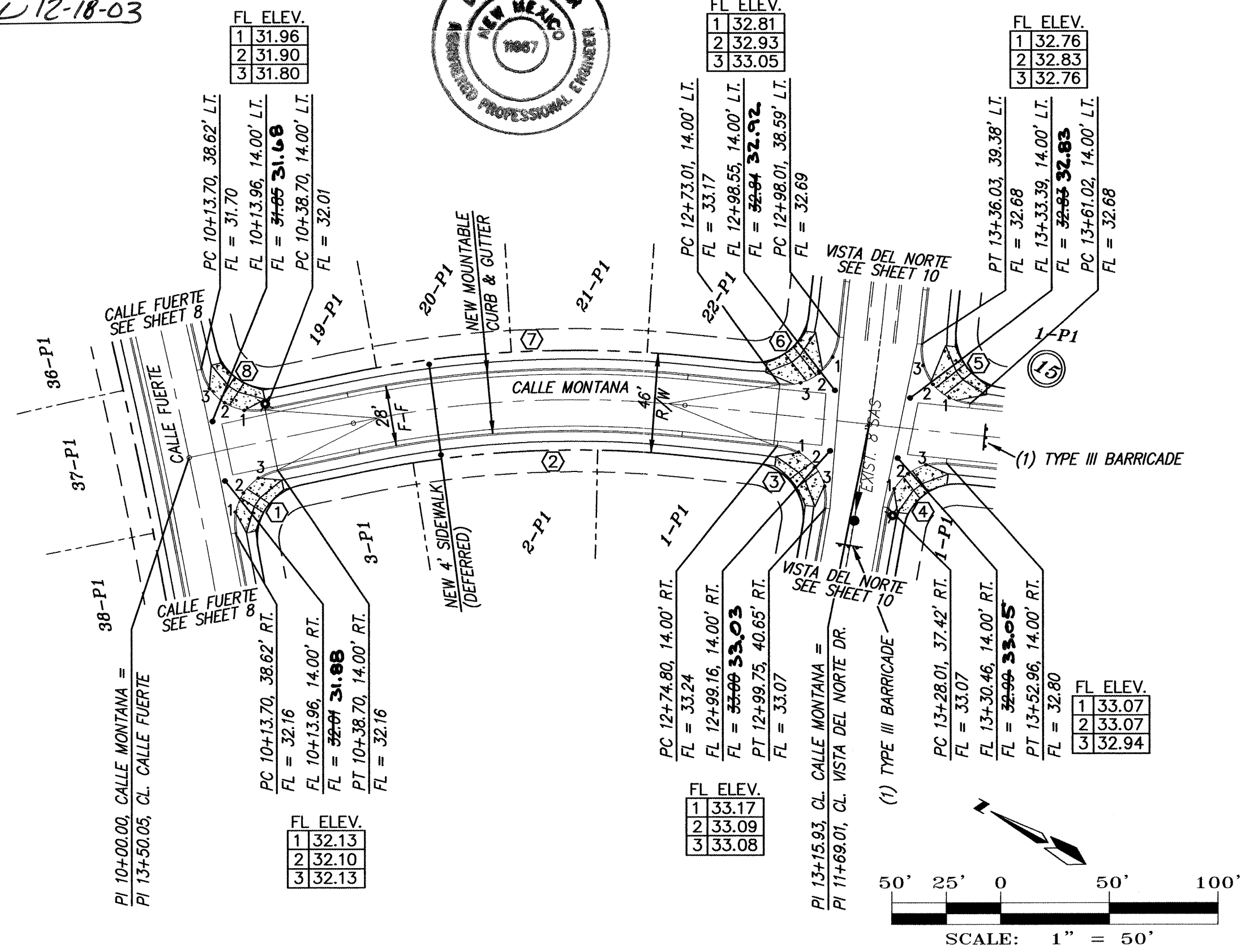
Diane Hoelzer 12-10-03



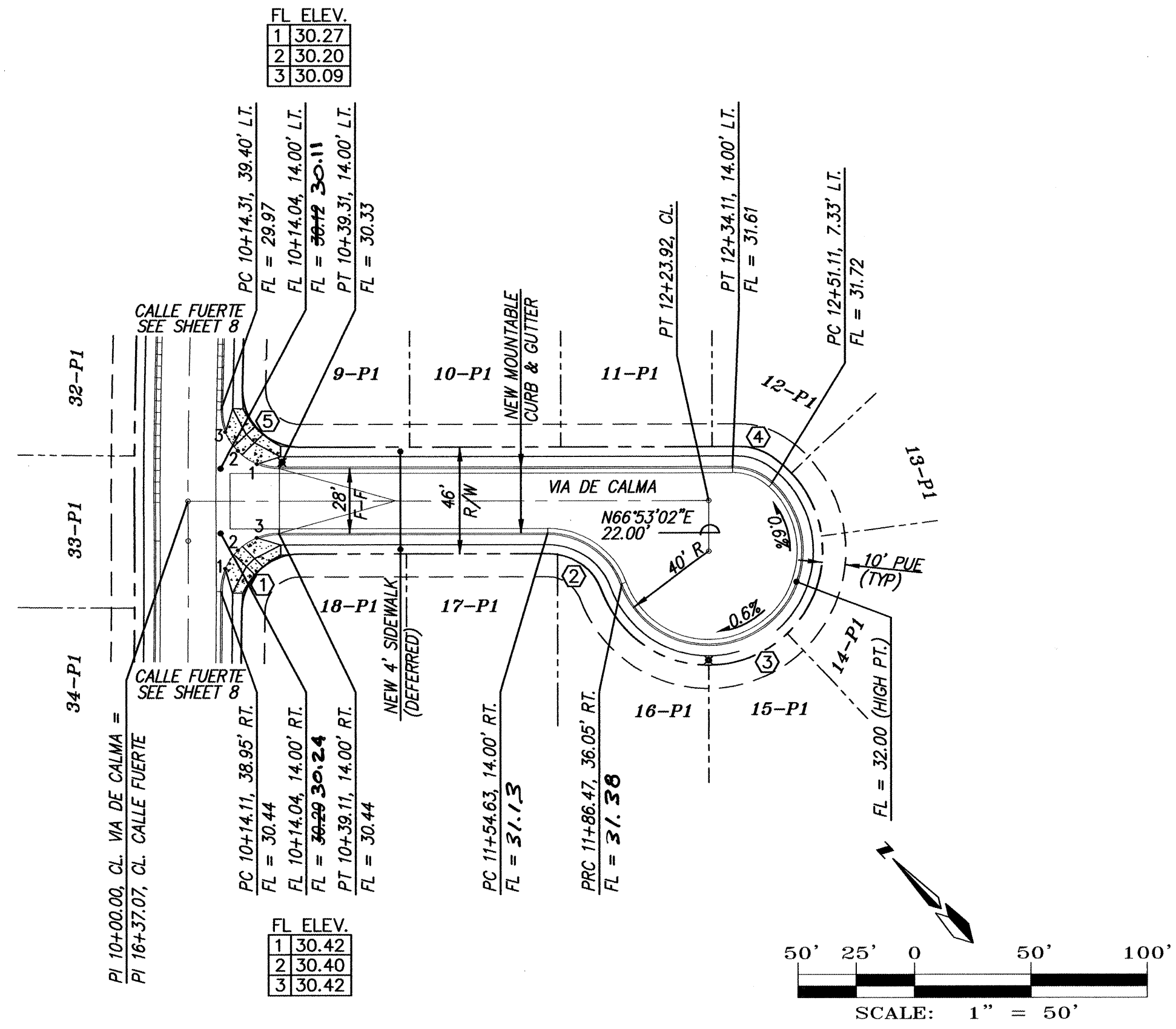
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane Hoelzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Diane Hoelzer 12-18-03



CALLE MONTANA
STA. 10+00.00 TO STA. 13+15.93
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'



VIA DE CALMA
STA. 10+00.00 TO STA. 12+23.92
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CALLE MONTANA
CURVE DATA - DESCRIBES FACE OF CURB

- | | | | | | | | |
|---|---|---|---|---|---|---|---|
| ① Δ = 89°07'12"
R = 25.00'
L = 38.89'
T = 24.62' | ② Δ = 17°34'30"
R = 486.00'
L = 149.08'
T = 72.13' | ③ Δ = 93°47'39"
R = 25.00'
L = 40.93'
T = 26.71' | ④ Δ = 86°23'12"
R = 25.00'
L = 37.69'
T = 23.47' | ⑤ Δ = 90°52'56"
R = 25.00'
L = 39.65'
T = 25.39' | ⑥ Δ = 89°04'05"
R = 25.00'
L = 38.86'
T = 24.60' | ⑦ Δ = 17°34'30"
R = 514.00'
L = 157.67'
T = 79.46' | ⑧ Δ = 89°07'12"
R = 25.00'
L = 38.89'
T = 24.62' |
|---|---|---|---|---|---|---|---|

CALLE MONTANA
CURVE DATA - DESCRIBES CENTERLINE

- | |
|---|
| ① Δ = 17°34'30"
R = 500.00'
L = 153.37'
T = 77.29' |
|---|

VIA DE CALMA
CURVE DATA - DESCRIBES FACE OF CURB

- | | | | | |
|---|---|--|--|---|
| ① Δ = 89°53'41"
R = 25.00'
L = 39.22'
T = 24.95' | ② Δ = 69°25'48"
R = 34.00'
L = 41.20'
T = 23.48' | ③ Δ = 206°35'48"
R = 40.00'
L = 144.23'
T = N/A | ④ Δ = 42°50'00"
R = 25.00'
L = 18.69'
T = 9.81' | ⑤ Δ = 90°54'29"
R = 25.00'
L = 39.67'
T = 25.40' |
|---|---|--|--|---|

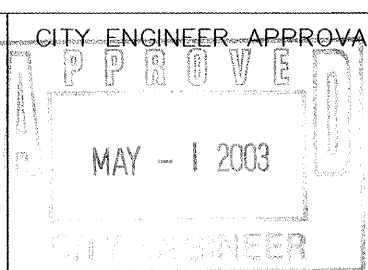
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6826 BA 0901

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



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **VISTA DEL NORTE - UNIT 3B
CALLE MONTANA & VIA DE CALMA
PAVING IMPROVEMENTS**



CITY PROJECT NO.

ZONE MAP NO.

SHEET OF

682684

D-16

9 17

A1005VDN/UNIT 3B/A1005PP-9/12-31-02/ACH

NO. BY DATE

FIELD NOTES

DATE

NO.

DATE

NO.

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NO.

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NO.

DATE

NO.

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NO.

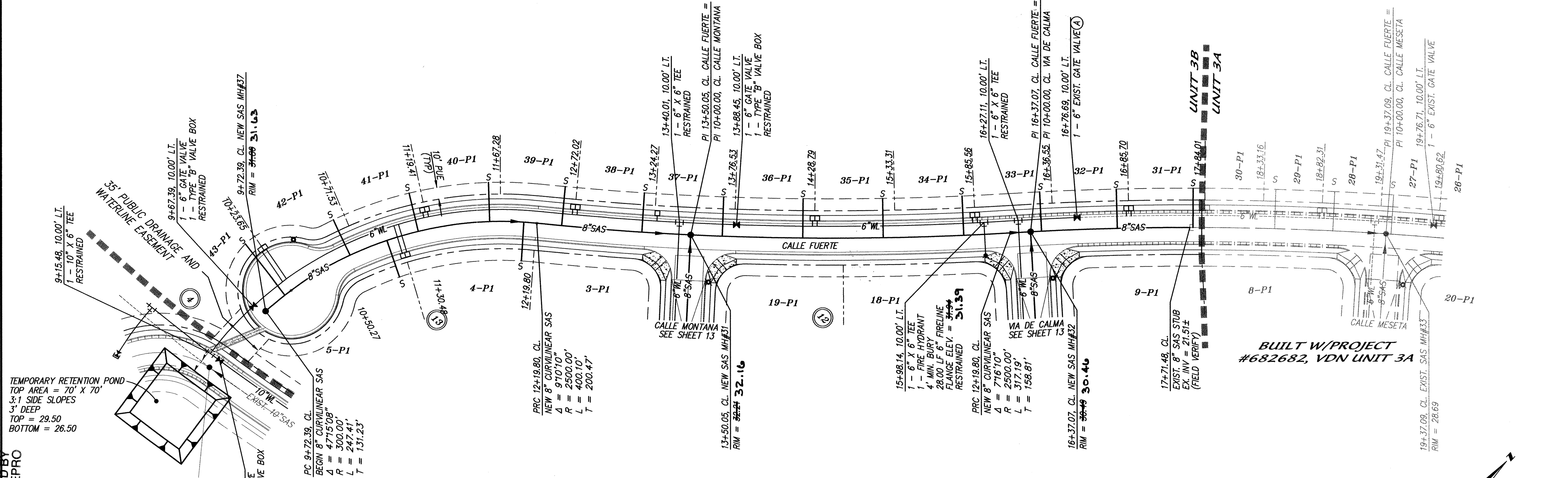
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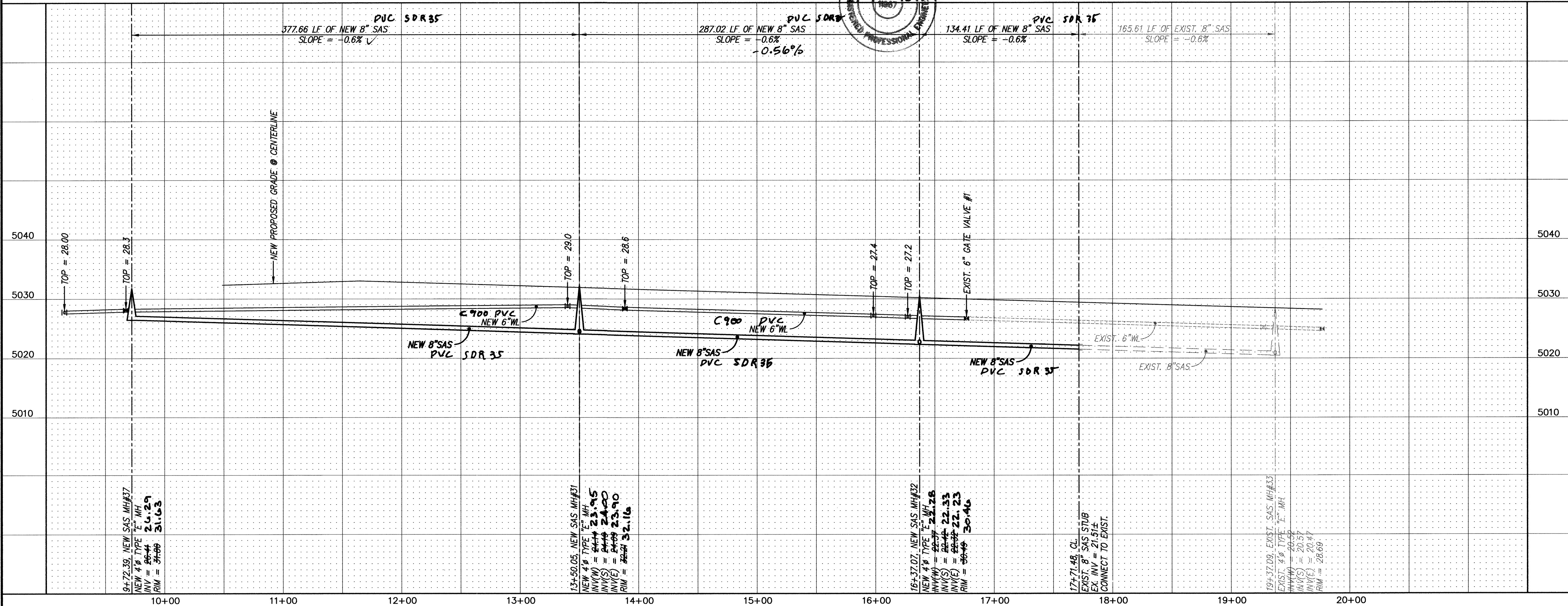
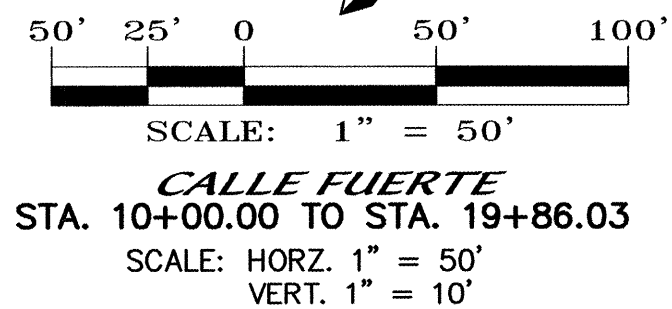
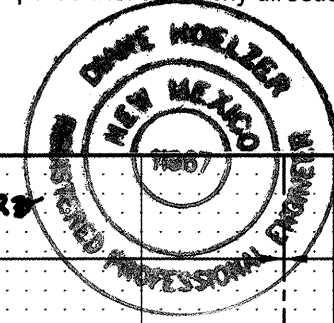
SCANNED BY
MESA REPRO



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane Hoelzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Diane Hoelzer 12-18-03



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
4	27	19+41.34	23.38'	33.00'
4	28	18+92.18	23.68'	33.00'
4	29	18+43.03	23.97'	33.00'
4	30	17+93.88	24.27'	33.00'
4	31	17+44.14	24.39'	33.00'
4	32	17+10.24	24.77'	33.00'
4	33	16+46.34	25.15'	33.00'
4	34	15+80.55	25.55'	33.00'
4	35	15+12.62	25.95'	33.00'
4	36	14+44.68	26.36'	33.00'
4	37	13+76.75	26.77'	33.00'
4	38	13+08.81	27.18'	33.00'
4	39	12+40.87	27.58'	33.00'
4	40	11+80.09	27.95'	33.00'
4	41	11+19.04	27.76'	33.00'
4	42	10+57.98	27.39'	33.00'
4	43	9+93.39	27.00'	54.53'
13	4	12+08.85	27.78'	33.00'
13	5	10+91.54	27.60'	33.00'

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

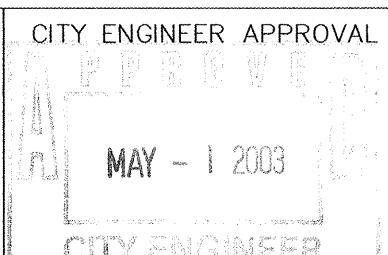
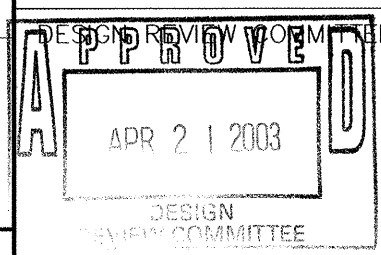
RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)		
PIPE SIZE	LARGE SIDE	SMALL SIDE
10" X 6"	44'	-

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'

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6826.84 1204

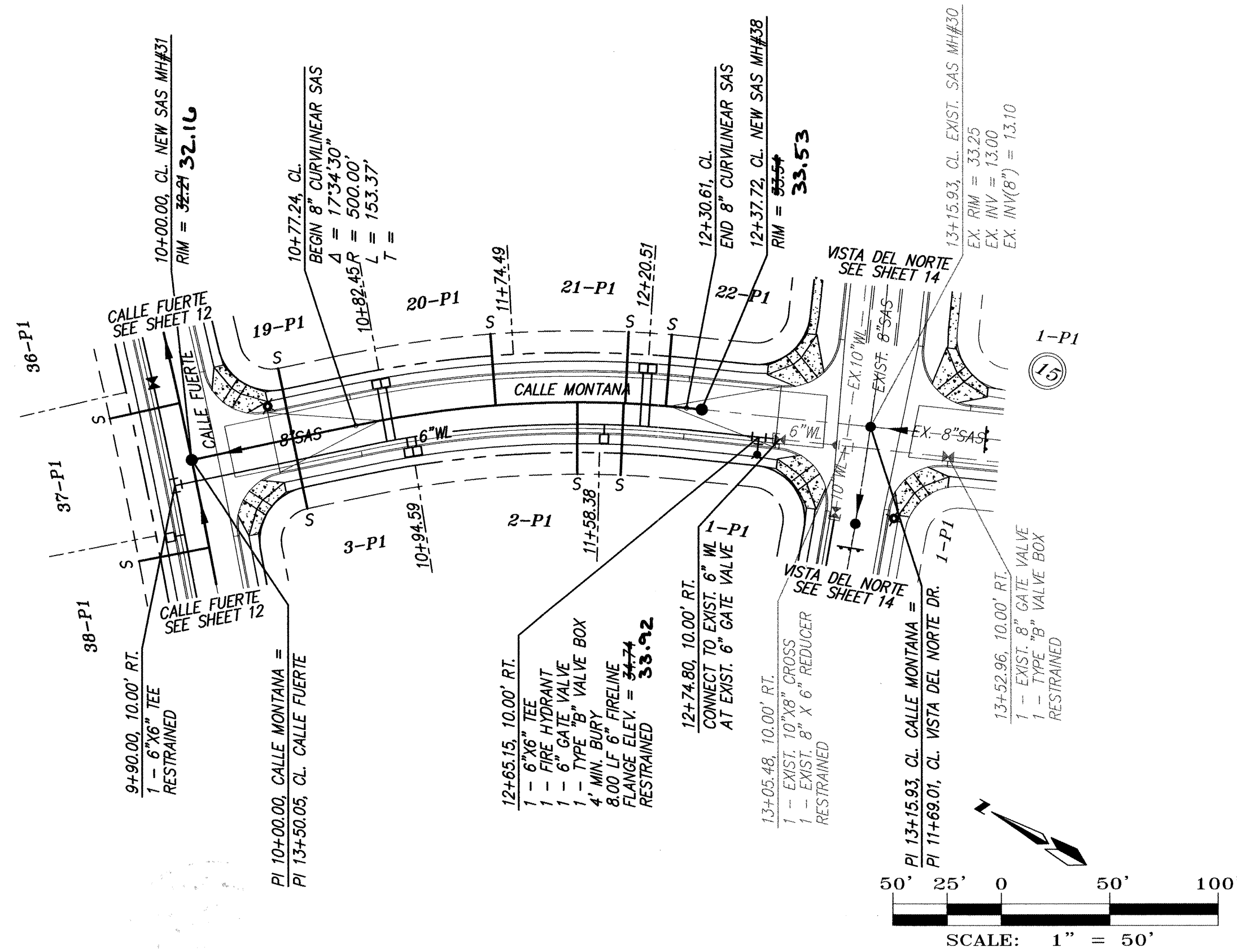
dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TITLE: **VISTA DEL NORTE - UNIT 3B**
CALLE FUERTE
UTILITY IMPROVEMENTS



LAST DESIGN UPDATE

SCANNED BY
MESA REPRO

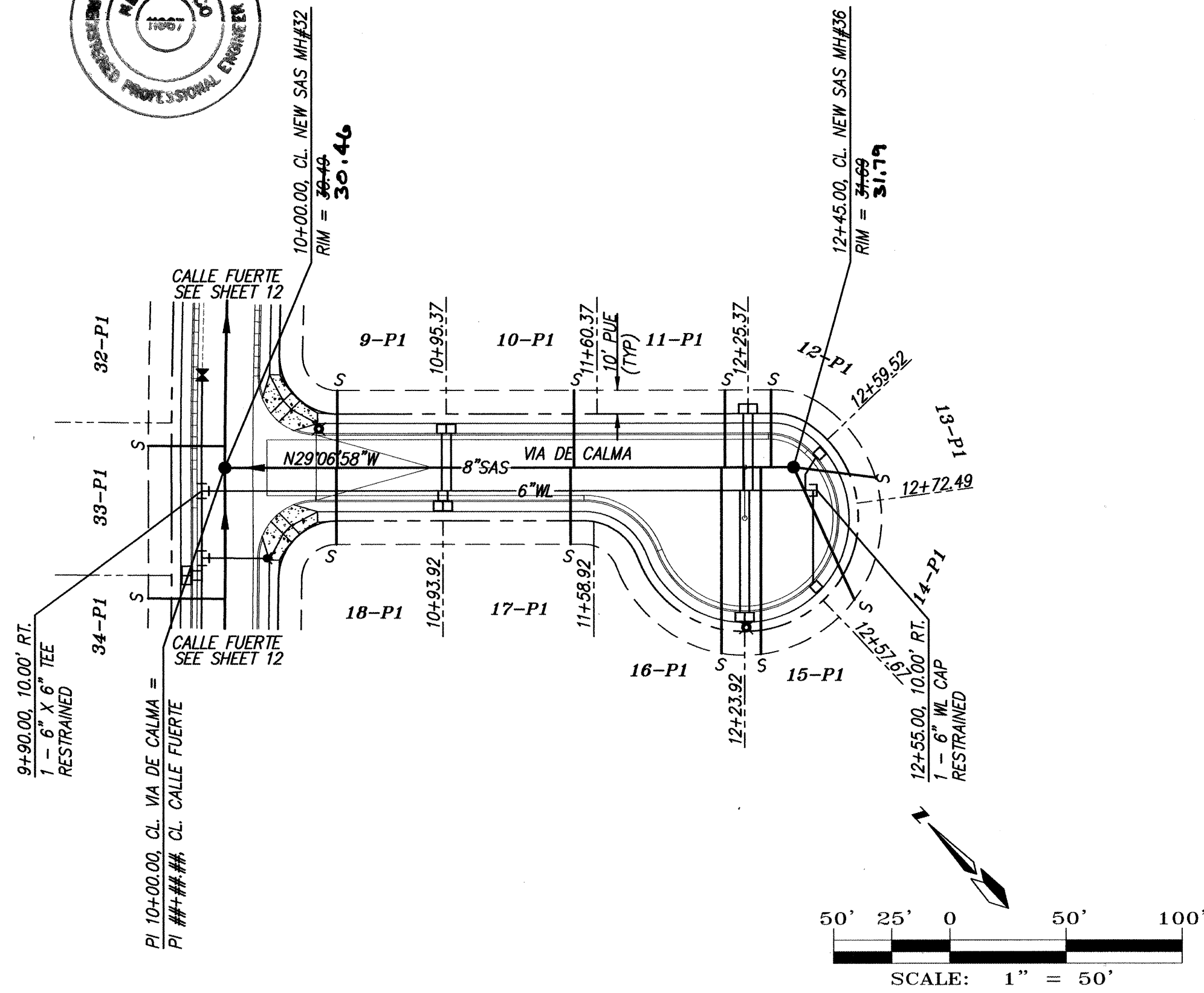
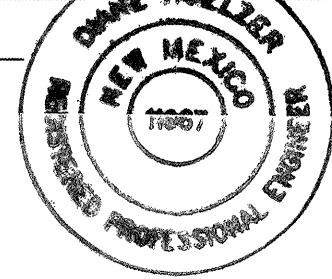


CALLE MONTANA
STA. 10+00.00 TO STA. 13+15.93
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane Heltzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc. NMPE 7719.

Diane Heltzer 12-18-03



VIA DE CALMA
STA. 10+00.00 TO STA. 12+23.92
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
12	9	10+48.47	25.37'	33.00'
12	10	11+50.37	26.09'	33.00'
12	11	12+15.37	26.50'	33.00'
12	12	12+35.37	26.62'	33.00'
12	13 *	12+80.25	26.89'	35.53'
12	14 *	12+71.22	26.83'	62.98'
12	15	12+30.92	26.59'	80.58'
12	16	12+13.92	26.49'	80.15'
12	17	11+48.92	26.08'	33.00'
12	18	10+48.08	25.36'	33.00'
12	19	10+47.55	27.07'	33.00'
12	20	11+42.54	27.70'	33.00'
12	21	12+02.34	28.09'	33.00'
12	22	12+21.10	28.22'	33.00'
13	1	12+01.56	28.09'	33.00'
13	2	11+80.14	27.95'	33.00'
13	3	10+47.55	27.07'	33.00'

* SANITARY SEWER SERVICE LINE CONNECT TO MANHOLE PER CITY STD. DWG 2118

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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6826-BA 1304

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

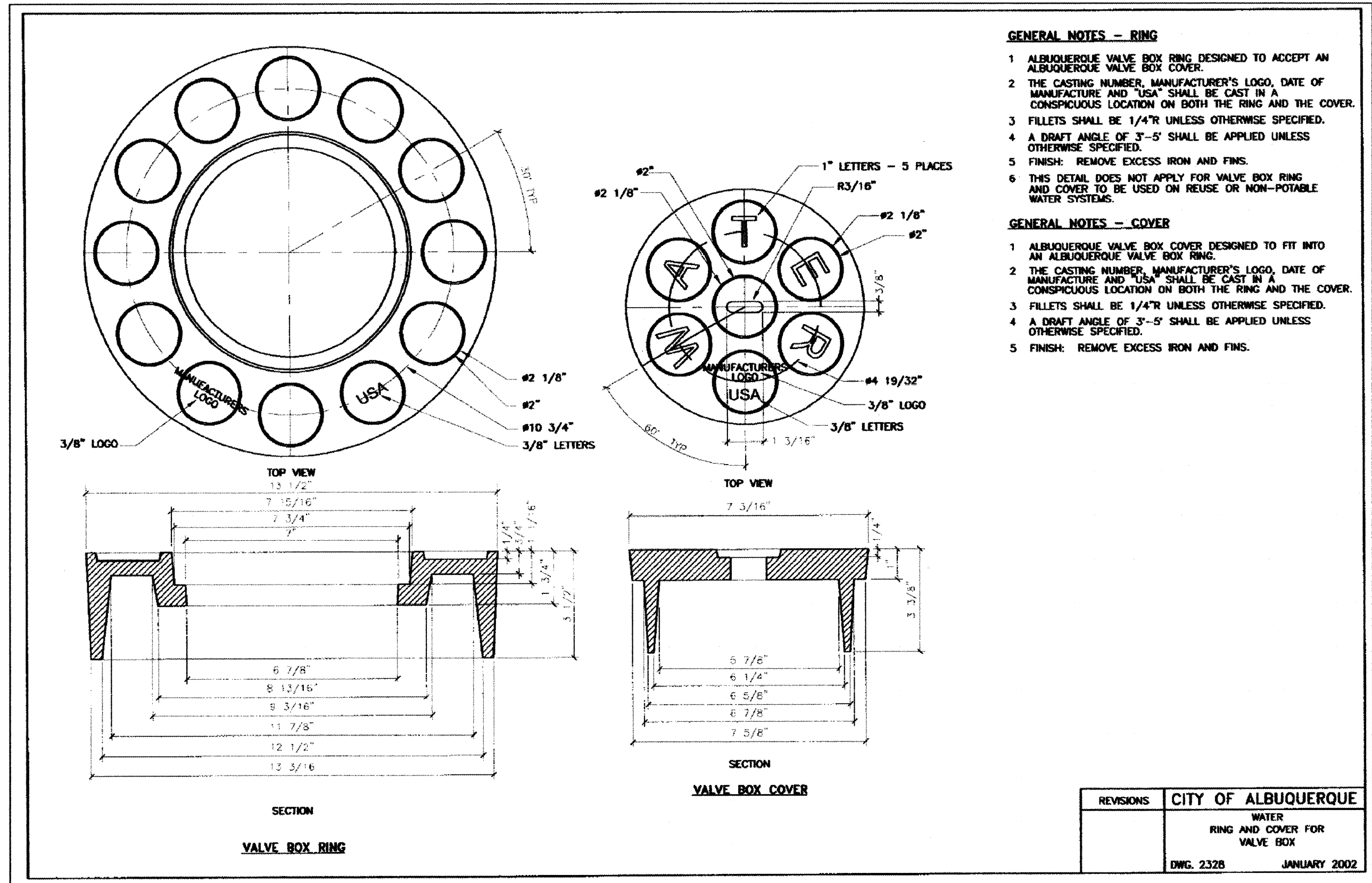
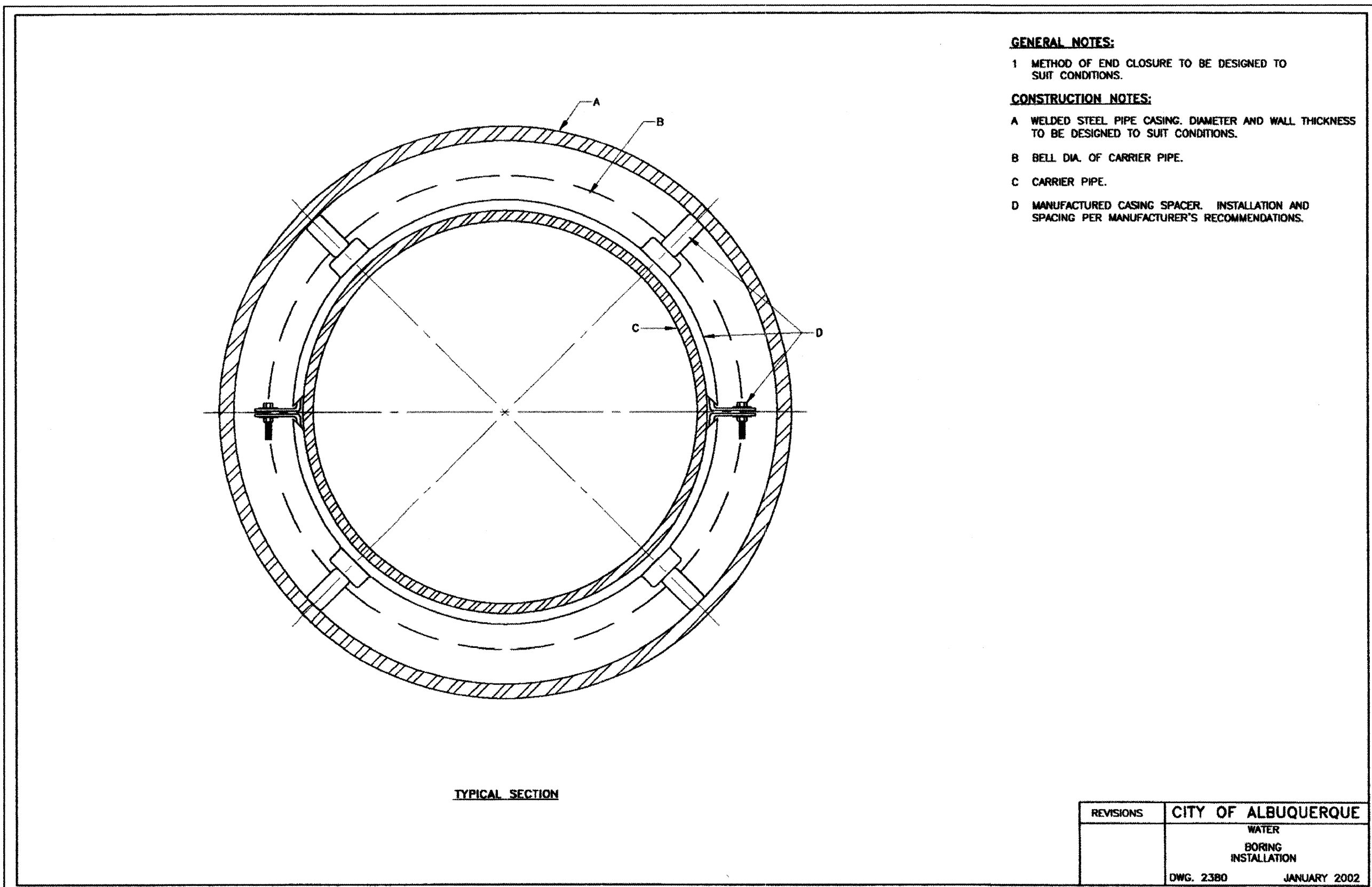
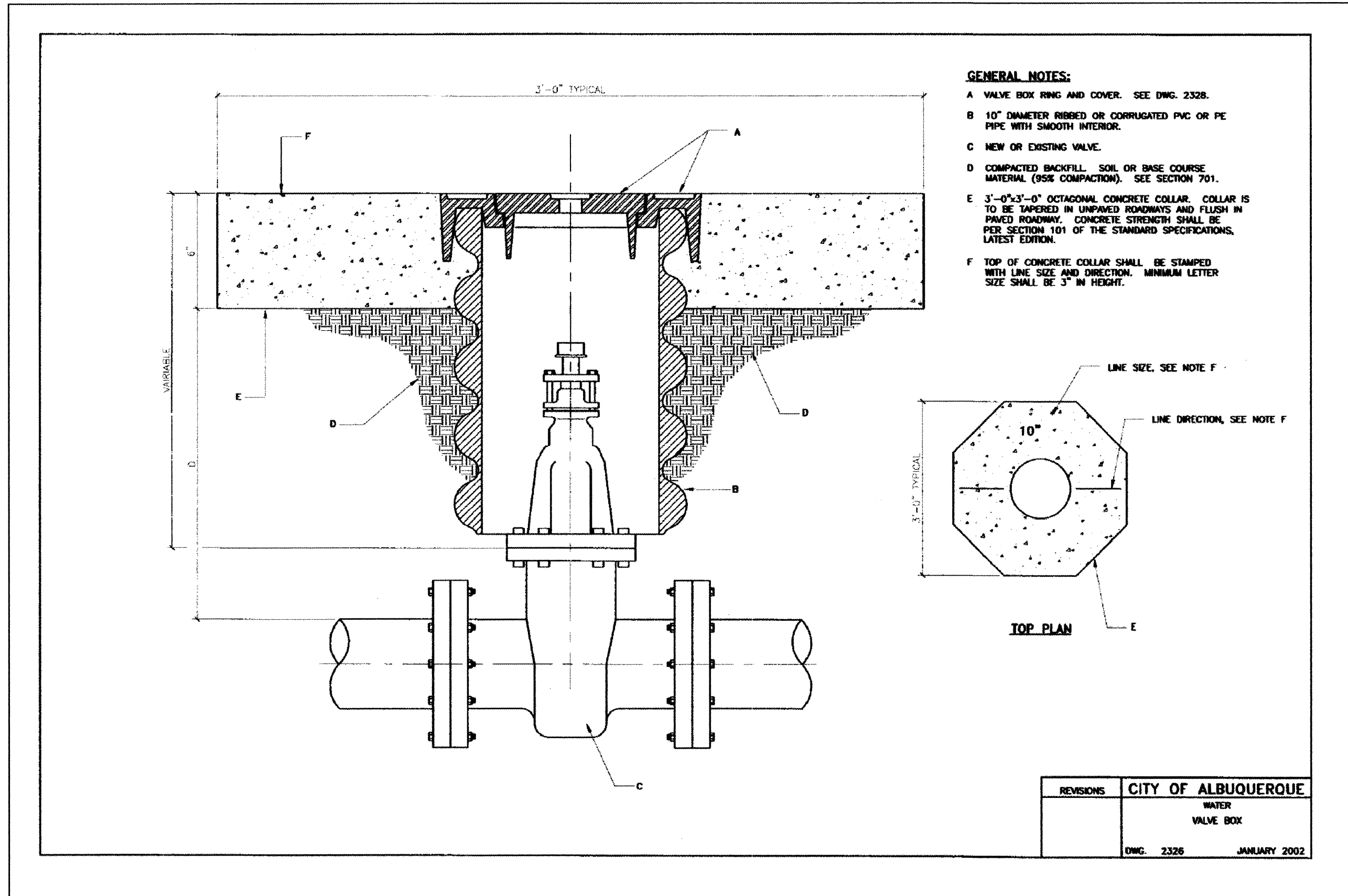
TITLE: **VISTA DEL NORTE - UNIT 3B
CALLE MONTANA & VIA DE CALMA
UTILITY IMPROVEMENTS**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APR 21 2003	MAY - 1 2003		
DESIGN REVIEW COMMITTEE			

CITY PROJECT NO. **682684** ZONE MAP NO. **D-16** SHEET **13** OF **17**

A1005VDN/UNIT 3B/A1005UP-9/12-31-02/ACH

SCANNED BY
MESA REPRO

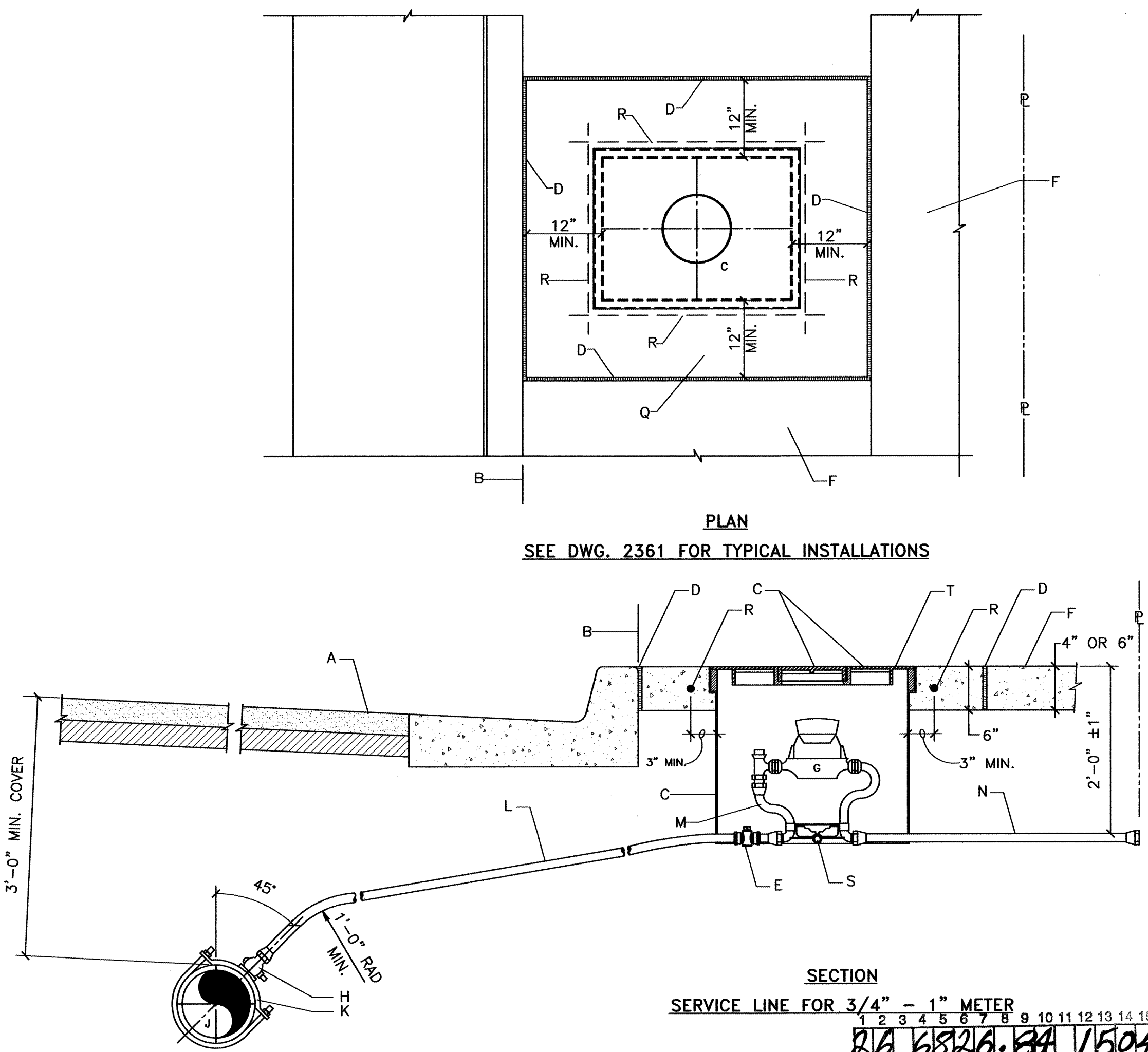


GENERAL NOTES:

- 1 THE METER SHALL BE SET UTILIZING A COPPER-SETTER. COPPER-SETTER HEIGHT 10" FOR 1" METER. 7" FOR 3/4" METER.
- 2 THE VALVE AND METER REGISTER BOX SHALL BE LOCATED UNDER THE LID OPENING. WHERE TWO METERS ARE TO BE INSTALLED IN A SINGLE METER BOX, THE METER REGISTERS SHALL BE WITHIN READING RANGE OF THE LID OPENING.
- 3 METER BOX LOCATION TO CONFORM TO DWG. 2361.
- 4 WHEN CONTRACTOR DOES NOT INSTALL METER, CONTRACTOR SHALL PROVIDE REMOVABLE PLUGS FOR END OF COPPER-SETTER.
- 5 EXISTING CONCRETE TO BE SAWCUT.

CONSTRUCTION NOTES:

- A STREET SURFACE.
- B BACK OF CURB.
- C CAST IRON METER BOX, COVER AND LID. SEE DWG. 2368 OR 2369.
- D 1/2" EXPANSION JOINT.
- E CURB STOP, LOCATE INSIDE METER BOX.
- F SIDEWALK OR DRIVEPAD.
- G METER. TOP OF METER TO BE 12"-18" BELOW COVER.
- H CORP STOP.
- J MAIN WATER LINE.
- K TAPPING SADDLE.
- L COPPER SERVICE LINE.
- M COPPER SETTER.
- N TAILPIECE TO PROPERTY LINE WITH INSTA-TITE I.P.T. CAPPED FITTING.
- Q CONCRETE PAD REQUIRED IN ALL AREAS.
- R #4 REBAR CONTINUOUS ALL AROUND METER BOX.
- S STABILIZER BAR. 12" LONG X 1/2" DIAMETER GALVANIZED STEEL PIPE.
- T METER BOX LID SHALL BE FLUSH WITH SURROUNDING SIDEWALK.



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **VISTA DEL NORTE - UNIT 3B**
WATER DETAILS

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

C.O.A. STANDARD C.O.A. STANDARD

LAST DESIGN UPDATE

CITY PROJECT NO. **682684** ZONE MAP NO. **D-16** SHEET **15** OF **17**

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	WORK	NO.	BY	NO.	BY	NO.	BY
CONTRACTOR	WORK	NO.	BY	NO.	BY	NO.	BY
INSPECTED BY	DATE	NO.	BY	NO.	BY	NO.	BY
ACCEPTANCE BY	DATE	NO.	BY	NO.	BY	NO.	BY
VERIFICATION BY	DATE	NO.	BY	NO.	BY	NO.	BY
DRAWINGS	DATE	NO.	BY	NO.	BY	NO.	BY
CORRECTED BY	DATE	NO.	BY	NO.	BY	NO.	BY
RECORDED BY	DATE	NO.	BY	NO.	BY	NO.	BY
NO.	DATE	NO.	BY	NO.	BY	NO.	BY

DRAFT

C.O.A. STANDARD

DESIGNED BY **DLH** DATE **01/02**

DRAWN BY **ACH** DATE **01/02**

CHECKED BY **DMG** DATE **01/02**

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.

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 TRAVELED 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.

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.

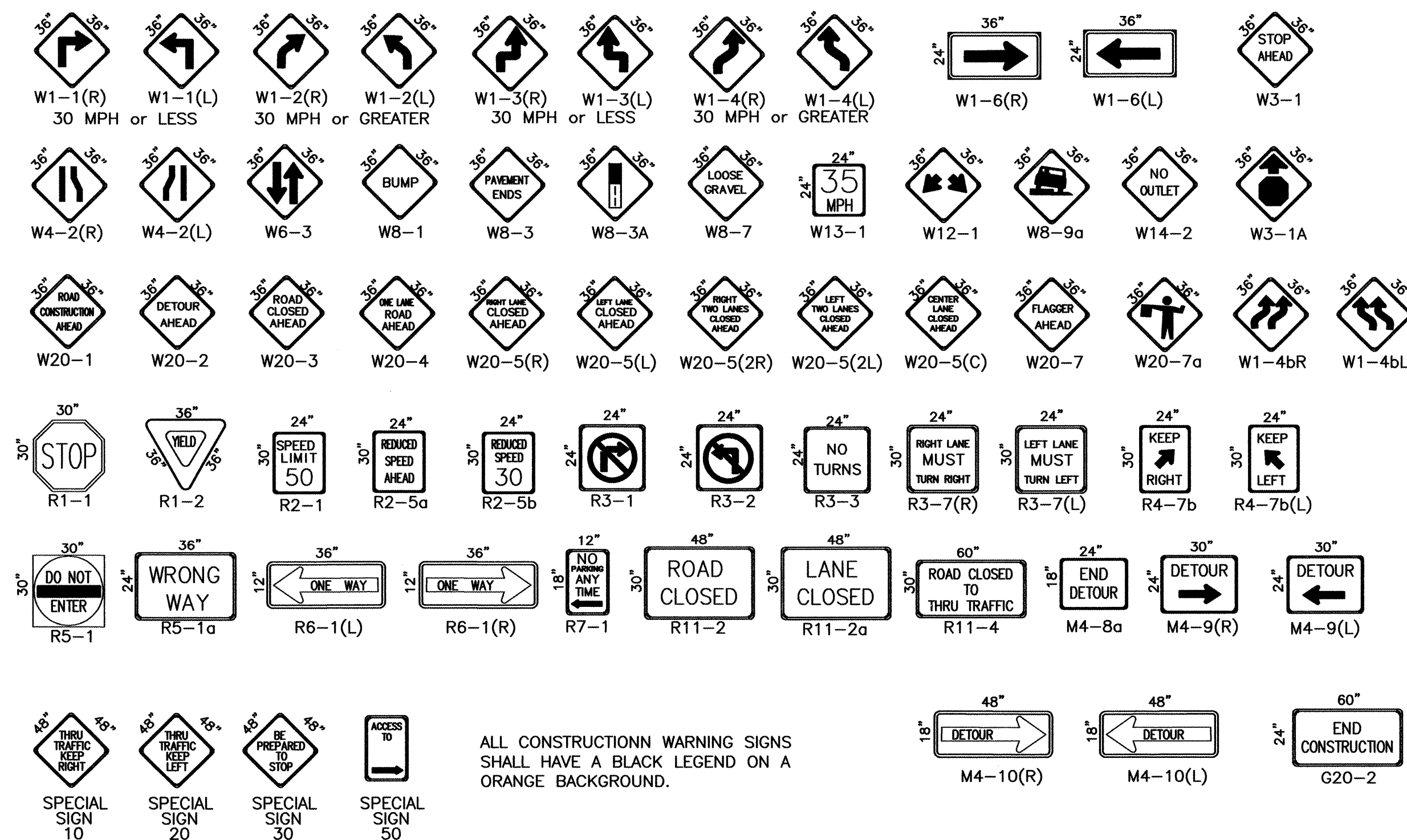
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

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

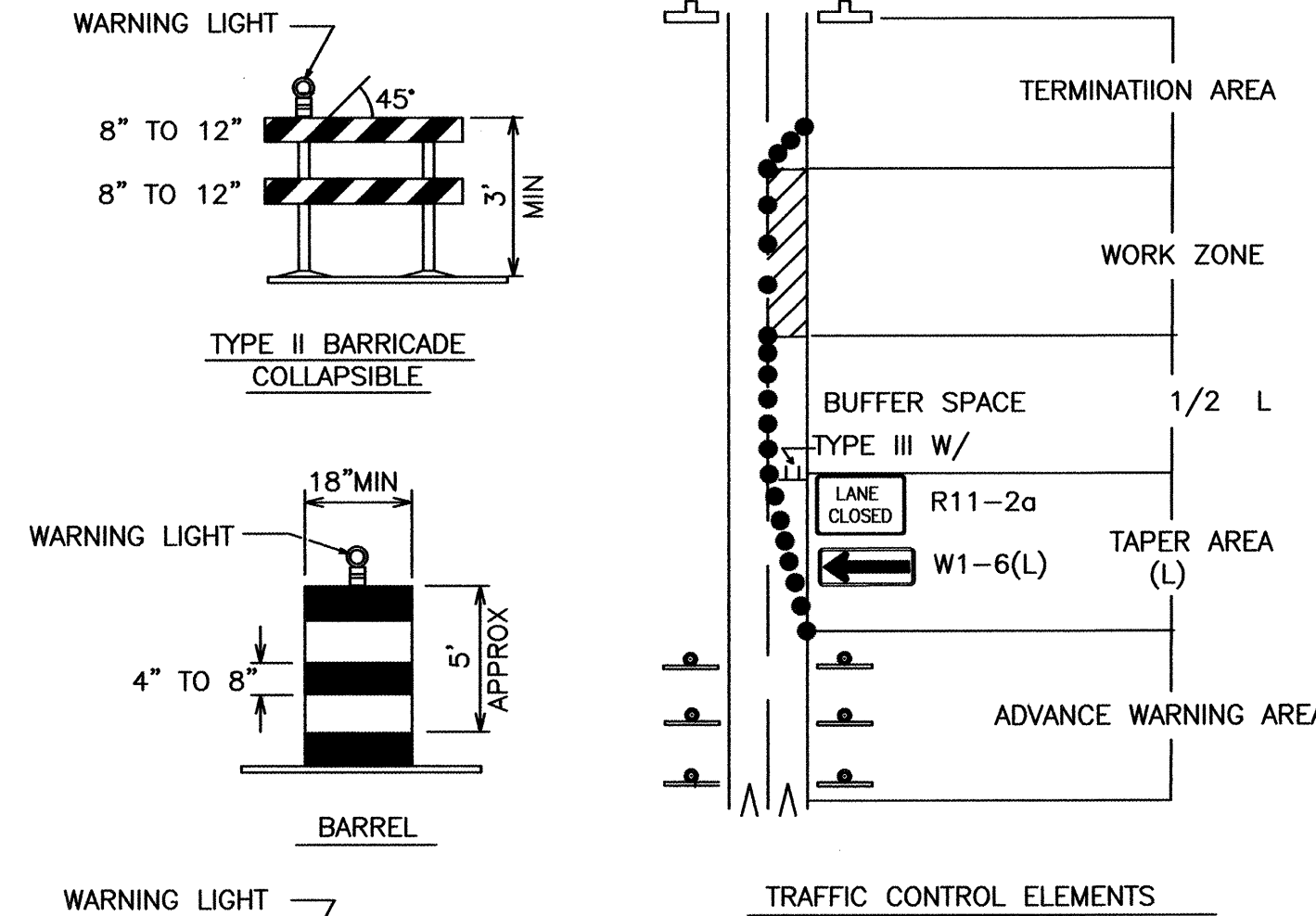
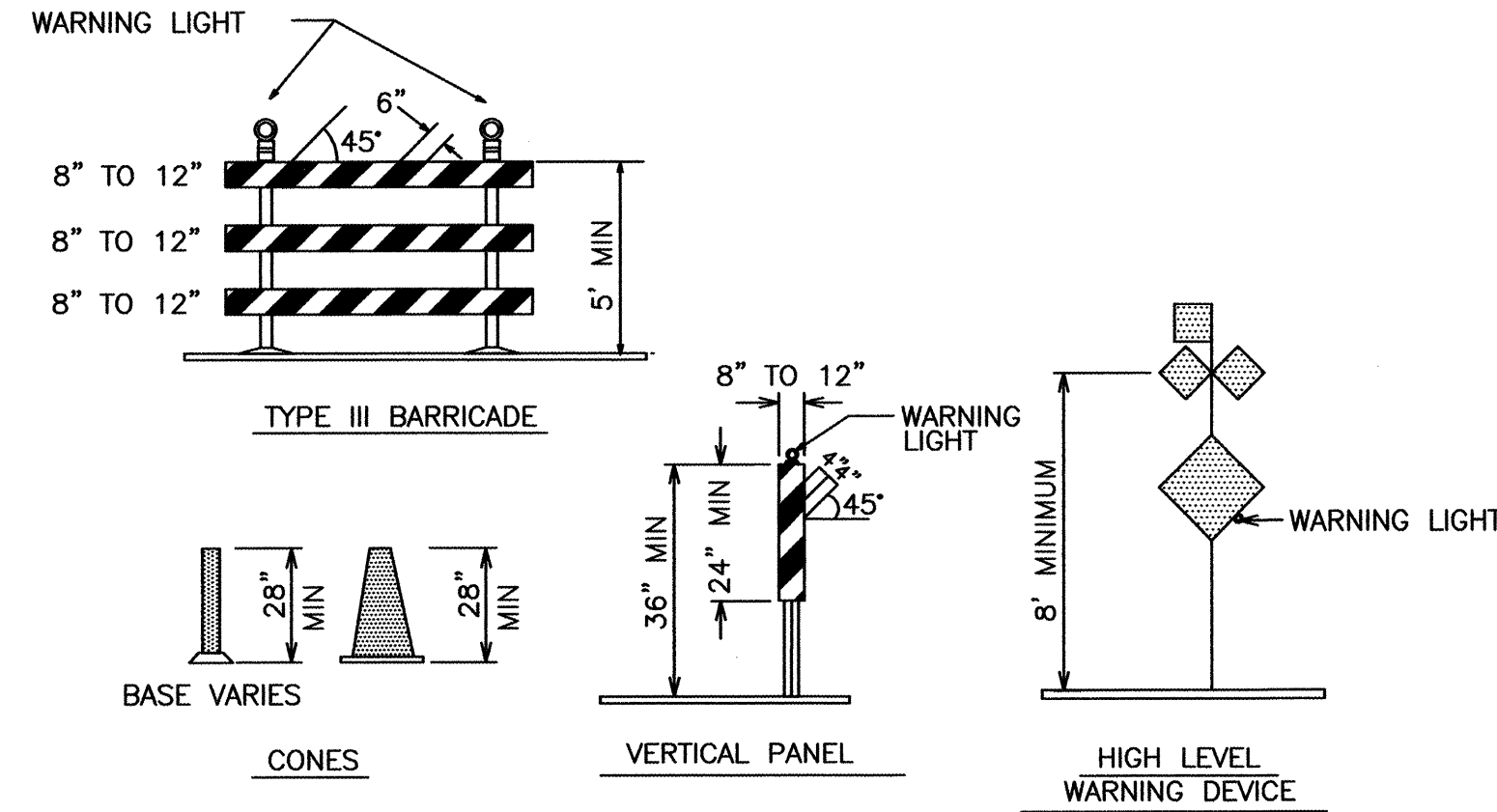
VISTA DEL NORTE UNIT 3B SPECIAL TRAFFIC NOTES

- BERNALILLO COUNTY TRAFFIC CONTROL GENERAL NOTES:
- PROJECT IS SUBJECT TO THE REQUIREMENTS OF COUNTY ORDINANCE NO. 95-12 AND COUNTY ORDINANCE NO. 98-3. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY. CONTRACTOR SHALL CALL 848-1504 FOR MORE INFORMATION.
 - THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY TRAFFIC CONTROL MANAGER AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK. TRAFFIC CONTROL PLANS SHALL BE PREPARED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), latest edition and BY CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT. CALL 848-1504 FOR FURTHER INFORMATION.
 - A DAILY TRAFFIC CONTROL LOG SHALL BE MAINTAINED BY THE CONTRACTOR REFLECTING THE TYPES AND LOCATIONS OF ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, ETC. BEING USED ON THE PROJECT IN COMPLIANCE WITH THE APPROVED TRAFFIC CONTROL PLAN. THIS LOG SHALL BE SUBMITTED TO THE BERNALILLO COUNTY TRAFFIC CONTROL MANAGER UPON COMPLETION OF THE PROJECT CONSTRUCTION OR WHEN SO REQUESTED BY THE PROJECT OR THE BERNALILLO COUNTY TRAFFIC CONTROL MANAGER.
 - CONTRACTOR SHALL PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DIVISION ATTN: HOSS FOSTER
 - THE CONTRACTOR SHALL FILE WEEKLY WRITTEN REPORT TO THE TRAFFIC CONTROL MANAGER DESCRIBING THE TRAFFIC CONTROL PLAN THAT WILL BE IN EFFECT FOR THE FOLLOWING WEEK.
 - SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL BY THE COUNTY.
 - TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED, IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST.

SIGN FACE DETAILS



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



LEGEND

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

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

SPEED LIMIT (MPH)	TAPER LENGTH(L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80			

