CONSTRUCTION PLANS

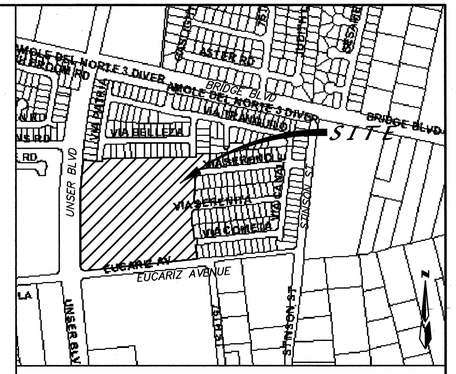
FOR

ENCANTO VILLAGE SUBDIVISION

UNIT 2

ALBUQUERQUE, NEW MEXICO

SCANNED BY
MESA REPRO



VICINITY MAP ZONE ATLAS: L-10-Z

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 (924-3400) 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) 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.
12. 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.

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 PROJECT 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.

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 10-17-03

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

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE
	DRC CHAIRMAN		12-26-02
	TRANSPORTATION		12/12/02
	WATER/WASTEWATER		12/12/02
	HYDROLOGY	Bradley L. Bingham	12/12/02
	CIP		
	CONSTR. MNGMT.		
	CONSTR. COORD.		12-26-02

APPROVED FOR CONSTRUCTION
1/16/03
CITY ENGINEER DATE

CITY PROJECT NO. 633881

SHEET OF 1 22

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2	PLAT
3	GRADING & DRAINAGE PLAN
4	MASTER PAVING PLAN
5-12	PAVING IMPROVEMENTS
13	MASTER UTILITY PLAN
14-19	UTILITY IMPROVEMENTS
20	WATER DEATIL SHEET
21-22	TRAFFIC CONTROL PLANS

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 07-01-03 Date

NEW MEXICO 7719 REGISTERED PROFESSIONAL LAND SURVEYOR

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

GREGORY JAMES KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER 11-21-02 seal & signature

GREGORY JAMES KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER 11-18-02 12-9-02

DRB NO. 1000485

F:\98JOBS\8098BSG\UNIT2\8069cvr.DWG Fri Nov 15 11:16:51 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

98jobs\8098BSG\UNIT2\8069cvr.dwg\11-15-02\DER

PRELIMINARY PLAT
OF
ENCANTO VILLAGE UNIT 2

WITHIN THE
"TOWN OF ATRISCO GRANT"
PROJECTED SECTION 27 & 28, T.10N., R.2E., N.M.P.M.
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JULY, 2002

NOTES:

1. THE PURPOSE OF THIS PLAT IS TO SUBDIVIDE 16.5981 ACRES INTO 102 SINGLE FAMILY LOTS, GRANT EASEMENTS, GRANT PRIVATE ACCESS EASEMENTS, AND GRANT PUBLIC UTILITY AND PRIVATE DRAINAGE EASEMENTS AS SHOWN HEREON.

2. ALL BEARINGS SHOWN HEREON ARE GRID BEARINGS BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, MEAN DELTA ALPHA (DEGREES 16 MINUTES 27 SECONDS). ALL DISTANCES ARE GROUND DISTANCES.

3. BEARINGS AND DISTANCES SHOWN IN PARENTHESIS ARE RECORD.

4. BENCHMARK FOR THIS PLAT IS ACS CONTROL POINT 7-K10, 1989, LOCATED IN THE MEDIAN AT THE INTERSECTION OF UNSER BLVD. AND CENTRAL AVENUE, ELEVATION 5095.14

5. UNLESS OTHERWISE NOTED, ALL CORNERS ARE EVIDENCED BY A 5/8 REBAR WITH ALUMINUM CAP STAMPED P.S. 11000.

6. CENTERLINE (IN LIEU OF R/W) MONUMENTATION WILL BE INSTALLED AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, AND POINTS OF STREET INTERSECTIONS PRIOR TO THE ACCEPTANCE OF SUBDIVISION STREET IMPROVEMENTS AND WILL CONSIST OF A FOUR INCH DIAMETER ALUMINUM ALLOY CAP SET FLUSH WITH THE TOP OF ASPHALT STAMPED CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION SURVEY MARKER, DO NOT DISTURB, P.S. 11000. THE SMALL SOLID-FILLED TRIANGLE SYMBOLS DEPICTED HEREON DENOTE CENTERLINE MONUMENTS TO BE SET.

7. PUBLIC UTILITY EASEMENTS (P.U.E.) SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:

A. PNM ELECTRICAL SERVICES FOR INSTALLATION, MAINTAINANCE AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE.

B. PNM GAS SERVICES FOR THE INSTALLATION, MAINTAINANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS SERVICE.

C. U S WEST FOR THE INSTALLATION, MAINTAINANCE AND SERVICE OF ALL BURIED COMMUNICATION LINES AND RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDESTALS AND CLOSURES.

D. JONES INTERCABLE FOR THE INSTALLATION, MAINTAINANCE AND SERVICE OF SUCH UNDER GROUND LINES, CABLE AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICE.

E. CITY OF ALBUQUERQUE WATER AND SEWER DEPARTMENT FOR THE INSTALLATION, MAINTAINANCE AND SERVICE OF SUCH UNDERGROUND WATER AND SANITARY SEWER LINES ACROSS THE EASEMENT AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE 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 THE FREE ACCESS TO, FROM, AND OVER SAID EASEMENTS, INCLUDING SUFFICIENT WORKING AREA SPACE FOR ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEDGE 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 ELECTRIC SAFETY CODE CAUSED BY CONSTRUCTION OF POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO, OR NEAR EASEMENTS SHOWN ON THIS PLAT.

8. SPECIFICALLY THE PARKING DENSITY CATEGORY OF INTERMITTENT IS MET BY EACH LOT PROVIDING 4 PARKING SPACES (INCLUDING GARAGE) FOR 3-4 BEDROOMS. ALL DWELLIN.3S WILL HAVE 2-4 BEDROOMS AND 2-CAR ATTACHED GARAGES WITH 2- CAR DRIVEWAYS.

9.BUILDING SETBACKS FOR ALL LOTS WILL BE IN COMPLIANCE WITH THE ZONING CODE FOR RD-9 ZONING REQUIREMENTS.

10. TRACT "A" IS CONVEYED IN FEE SIMPLE TO THE ENCANTO VILLAGE HOMEOWNERS ASSOCIATION AS A COMMON AREA FOR PRIVATE STREETS BY THIS PLAT. A PRIVATE ACCESS AND PRIVATE DRAINAGE EASEMENT IS GRANTED TO EACH LOT OWNER ACROSS THIS TRACT BY THIS PLAT. A PUBLIC WATER & SANITARY SEWER EASEMENT IS GRANTED WITHIN TRACT "A" TO THE CITY OF ALBUQUERQUE BY THIS PLAT. MAINTAINANCE AND OPERATION OF THE PRIVATE STREETS SHALL BE THE RESPONSIBILITY OF THE ENCANTO VILLAGE HOA. WATER & SANITARY SEWER SYSTEMS SHALL BE MAINTAINED AND OPERATED BY THE CITY OF ALBUQUERQUE. A P.U.E. IS ALSO GRANTED ACROSS THIS TRACT TO U.S. WEST COMMUNICATIONS, JONES INTERCABLE, PNM GAS SERVICES, AND PNM ELECTRIC SERVICES ACROSS THIS TRACT BY THIS PLAT.

11. A 10' PRIVATE DRAINAGE EASEMENT IS CENTERED ON ALL COMMON SIDE LOT LINES.

12. LOTS WITHIN RD-9 ZONING SHALL HAVE A MINIMUM OF 2400 SQ. FT. OF ON-SITE OPEN SPACE TO MEET ZONING REQUIREMENTS.

13. NO DIRECT DRIVEWAY ACCESS WILL BE ALLOWED FROM ANY LOT TO UNSER BOULEVARD OR EUCARIZ AVENUE.

OWNERS

D.R. HORTON, INC
4400 ALAMEDA NE, SUITE B
ALBUQUERQUE, N.M. 87113
(505) 797-4245

ENGINEERS

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

SURVEYOR

DAGGETT ENGINEERING & SURVEYING
2125 CORTE DE CHAMISA NW
ALBUQUERQUE, N.M. 87120
(505) 352-5279

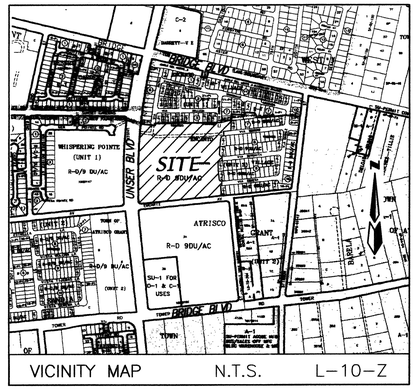
ADJOINERS

(A) ENCANTO VILLAGE UNIT ONE (8-12-99 BK-99C PG-226)

(B) LOTS 2A-P1, 3A-P1, 5A-P1 & 6A-P1 ENCANTO VILLAGE UNIT 1 (6-29-01, 2001C-185)

(C) LOTS 12A-P1, & 13A-P1 ENCANTO VILLAGE UNIT 1 (1-02-01, 2001C-1)

(D) ENCANTO VILLAGE UNIT THREE (2-28-02, 2002C-77)



SUBDIVISION DATA

GROSS ACREAGE	16.5981 AC.
ZONE ATLAS NO.	L-10-Z
NO. OF EXISTING PARCELS	1
NO. OF TRACTS/LOTS CREATED	1 TRACTS / 102 LOTS
NO. OF PARCELS ELIMINATED	1
AREA DEDICATED TO CITY OF ALBUQUERQUE	0.00 AC
DATE OF SURVEY	JUNE 1999

DESCRIPTION

A tract of land situate within the Town of Atrisco Grant, projected Section 27, Township 10 North, Range 2 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico being all of Tract C, of the plat entitled "PLAT OF ENCANTO VILLAGE, UNIT 2" filed in the office of the Bernalillo County Clerk on February 28, 2002, Book 2000C, Page 77 and containing 16.5981 acres more or less.



LEGEND

- ● INDICATES BOUNDARY MONUMENT
- ▲ INDICATES CENTERLINE MONUMENT
- △ INDICATES EXISTING CENTERLINE MONUMENT
- ◁ INDICATES ACS MONUMENT
- ✱ INDICATES LOTS THAT ARE IN COMPLIANCE WITH CHAPTER 23, SECTION 2.A.4 OF THE DPM.

LINE TABLE		
LINE ID	LENGTH	BEARING
L1	99.11	N88°45'56"E
L2	24.62	N00°31'58"E
L3	105.00	N89°28'02"W
L4	109.31	S00°31'58"W
L5	77.68	N84°05'03"E
L6	46.00	S05°54'57"E
L7	13.51	S84°05'03"W
L8	162.50	N04°09'26"E
L9	46.00	S05°54'57"E
L10	24.79	S84°05'03"W
L11	68.03	N05°55'06"W
L12	46.00	S05°54'57"E
L13	14.99	S84°05'02"W
L14	105.00	N05°54'57"W

CURVE TABLE						
CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD BRG	CHORD
C1	30.00	49.15	93°51'49"	32.09	S48°59'03"E	43.83
C2	4922.00	139.31	1°37'18"	69.66	S01°14'29"E	139.30
C3	4922.00	492.95	5°44'18"	246.68	S02°26'19"W	492.74
C4	471.00	19.98	0°14'24"	9.99	S05°25'40"W	19.98
C5	25.00	34.87	79°55'37"	20.95	S44°07'14"W	32.11
C6	25.00	43.67	100°04'23"	29.83	S45°52'46"E	38.32
C7	25.00	36.81	84°21'09"	22.65	S41°54'28"W	33.57
C8	979.48	96.59	5°39'00"	48.33	S03°05'37"E	96.55
C9	25.00	39.27	89°59'51"	25.00	S50°55'02"E	35.35

SURVEYOR:

Kevin C. Daggett 7/19/02
KEVIN C. DAGGETT — DATE
N.M.P.L.S. 11000

OWNER:

D.R. HORTON, INC.

J. Mark Ferguson 7-12-02
J. MARK FERGUSON — DATE
DIVISION PRESIDENT

APPROVED FOR MONUMENTATION AND STREET NAMES

7/22/02
City Surveyor, City of Albuquerque, N.M. — DATE

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

98069/PRELPLAT3.DWG/07-11-02/RDQ

© COPYRIGHT

Sheet 1 of 1

SCALE: 1" = 100'

Designed By:	Drawn By:	Checked By:
KCD	RDQ	KCD
File No. 98-3S (8069)	Date: 7-11-02	

DAGGETT ENGINEERING & SURVEYING
3730 Coors Blvd., N.W.
Albuquerque, N.M. 87120
(505) 352-6271 (Office)
(505) 228-7821 (Mobile)
(505) 352-6281 (Fax)
kcd@swcp.com (E-mail)

SHEET 2 OF 22

633881

SCANNED BY MESA REPRO

SCANNED BY
MESA REPRO

SEE SHEET 1 OF 4

25' PUBLIC SANITARY SEWER AND WATERLINE EASEMENT.

UNSER BLVD.
156 FUTURE R/W

VIA SERENO S.W.

VIA SERENTA S.W.

VIA PATRIA S.W.

VIA ARBOLADO S.W.

VIA COMETA S.W.

EUCARIZ ROAD SW

BASIN 1

BASIN 2

BASIN 3

UNIT 2

FUTURE UNIT 3
SEE SHEET 4 OF 4

BLOCK 5

BLOCK 6

BLOCK 7

BLOCK 8

BLOCK 10

BLOCK 1

BLOCK 2

25' F-E

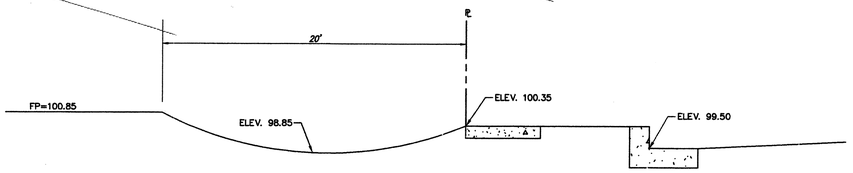
40' F-F

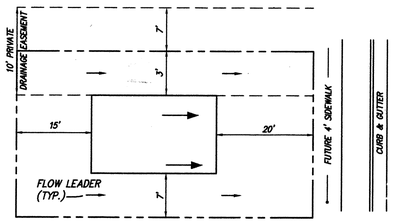
MIKE FENCE

5085

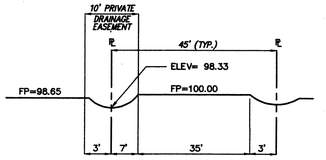
NOTES

EROSION CONTROL SWALE DETAIL
N.T.S.

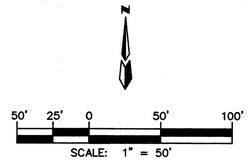




TYPICAL LOT LAYOUT PLAN
N.T.S.



TYPICAL LOT LAYOUT SECTION
N.T.S.



8069BSG/8069GD2/03-22-99/WLV

AS BUILT INFORMATION
CONTRACTOR Sundance DATE 03
WORK STAKED BY AIS
MONUMENTS ACCEPTANCE BY DATE
FIELD LOCATION BY AIS DATE 03
DRAWINGS CORRECTED BY AIS DATE 4/03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GREGORY JAMES GARCIA 10201 REGISTERED PROFESSIONAL ENGINEER
3-22-99

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY GJK DATE 11/98
DRAWN BY WLV; AMB DATE 11/98
CHECKED BY DMG DATE 11/98

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

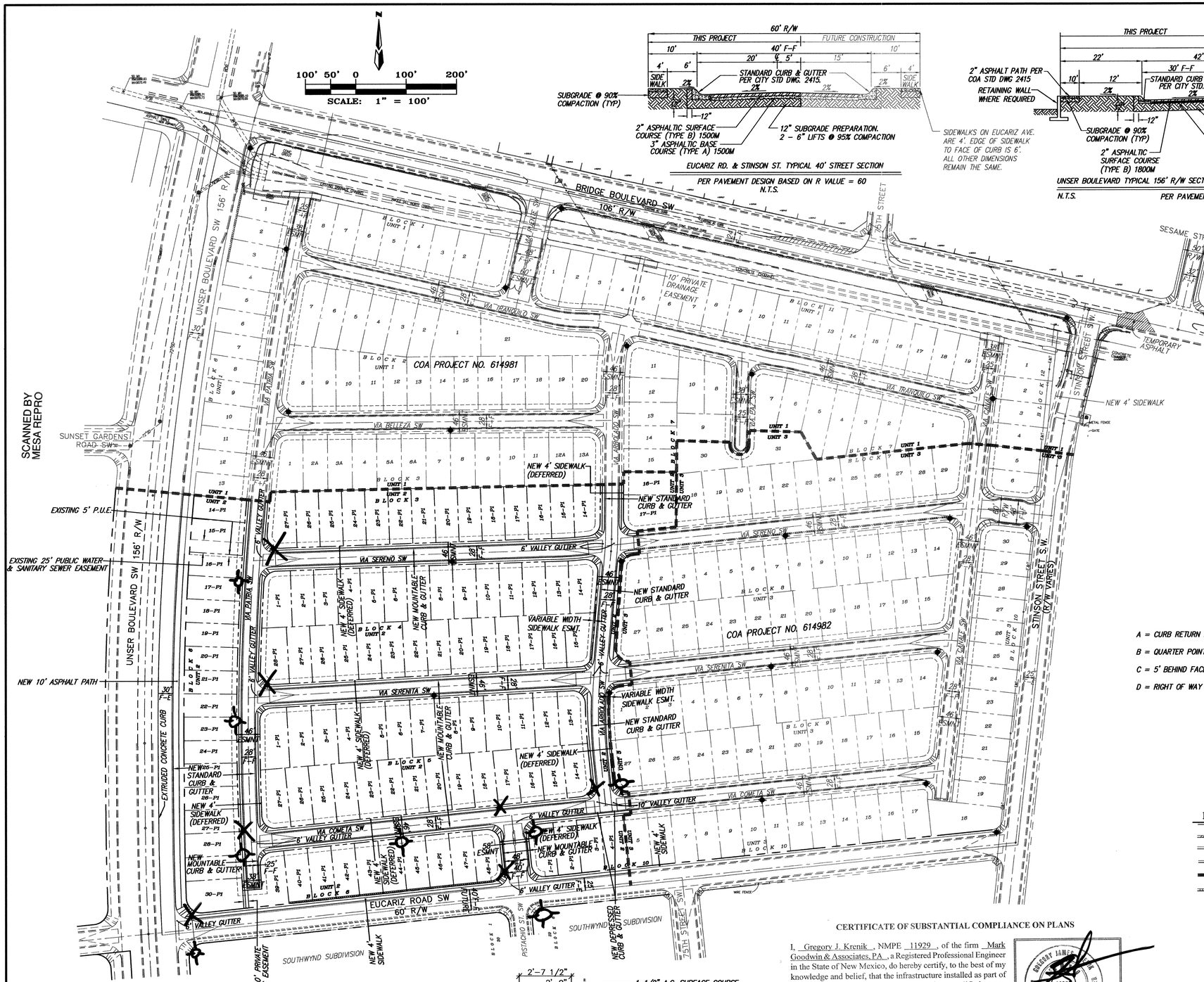
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ENCANTO VILLAGE
GRADING AND DRAINAGE PLAN

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL
For Information Only

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

CITY PROJECT NO. 633881
ZONE MAP NO. L-10-Z
SHEET 2 OF 4
SHEET 3 OF 22

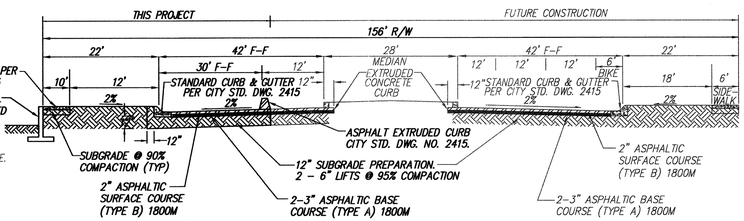


EUCARIZ RD. & STINSON ST. TYPICAL 40' STREET SECTION

PER PAVEMENT DESIGN BASED ON R VALUE = 60

N.T.S.

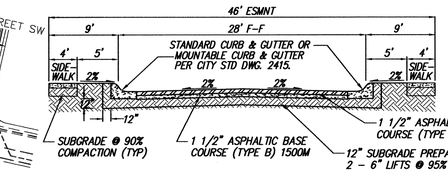
SIDEWALKS ON EUCARIZ AVE. ARE 4'. EDGE OF SIDEWALK TO FACE OF CURB IS 6'. ALL OTHER DIMENSIONS REMAIN THE SAME.



UNSER BOULEVARD TYPICAL 156' R/W SECTION

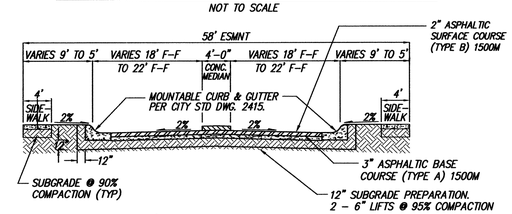
N.T.S.

PER PAVEMENT DESIGN COA PROJECT NO. 580283



TYPICAL 46' ESMNT RESIDENTIAL STREET SECTION

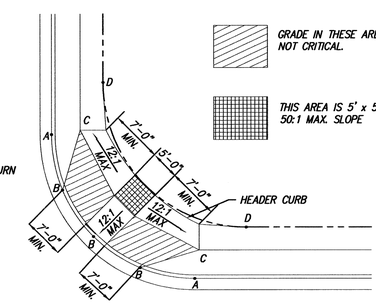
NOT TO SCALE



TYPICAL 58' ESMNT RESIDENTIAL STREET SECTION

N.T.S.

PER PAVEMENT DESIGN BASED ON R VALUE = 60



GENERAL WHEEL CHAIR RAMP DETAIL

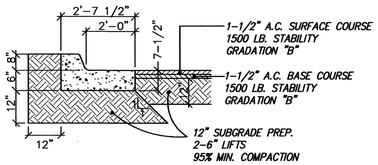
NOT TO SCALE

LEGEND

- MOUNTABLE CURB & GUTTER
- STANDARD 8" CURB & GUTTER
- FUTURE 8" CURB & GUTTER
- UNIT BOUNDARY
- DEPRESSED CURB & GUTTER
- PROPERTY LINE
- NEW RETAINING WALL
- NEW WHEEL CHAIR RAMP
- STREET LIGHT
- REMOVED STREETLIGHT AS BUILT

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. ALL INTERIOR STREETS ARE PRIVATE.
8. MINIMUM R VALUE WILL BE 50 FOR THE FIRST TWO FEET.
9. ALL 10' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2422.



RESIDENTIAL PAVEMENT SECTION

NOT TO SCALE

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

GREGORY J. KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER
1-2-03
seal & signature

AS BUILT INFORMATION
CONTRACTOR Sundance DATE 03
WORK PERFORMED BY ALS DATE 7/03
INSPECTION & ACCEPTANCE BY Greg Krenik DATE 7/03
FIELD VERIFICATION BY ALS DATE 03
DRAWINGS REVISED BY ALS DATE 1/03
CORRECTED BY ALS DATE 1/03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°11'
G - G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GREGORY J. KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER

NO.	REMARKS	BY	DATE
	REVISIONS		
	DESIGN		
	DESIGNED BY	GJK	4/99
	DRAWN BY	WLV	4/99
	CHECKED BY	DMG	4/99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

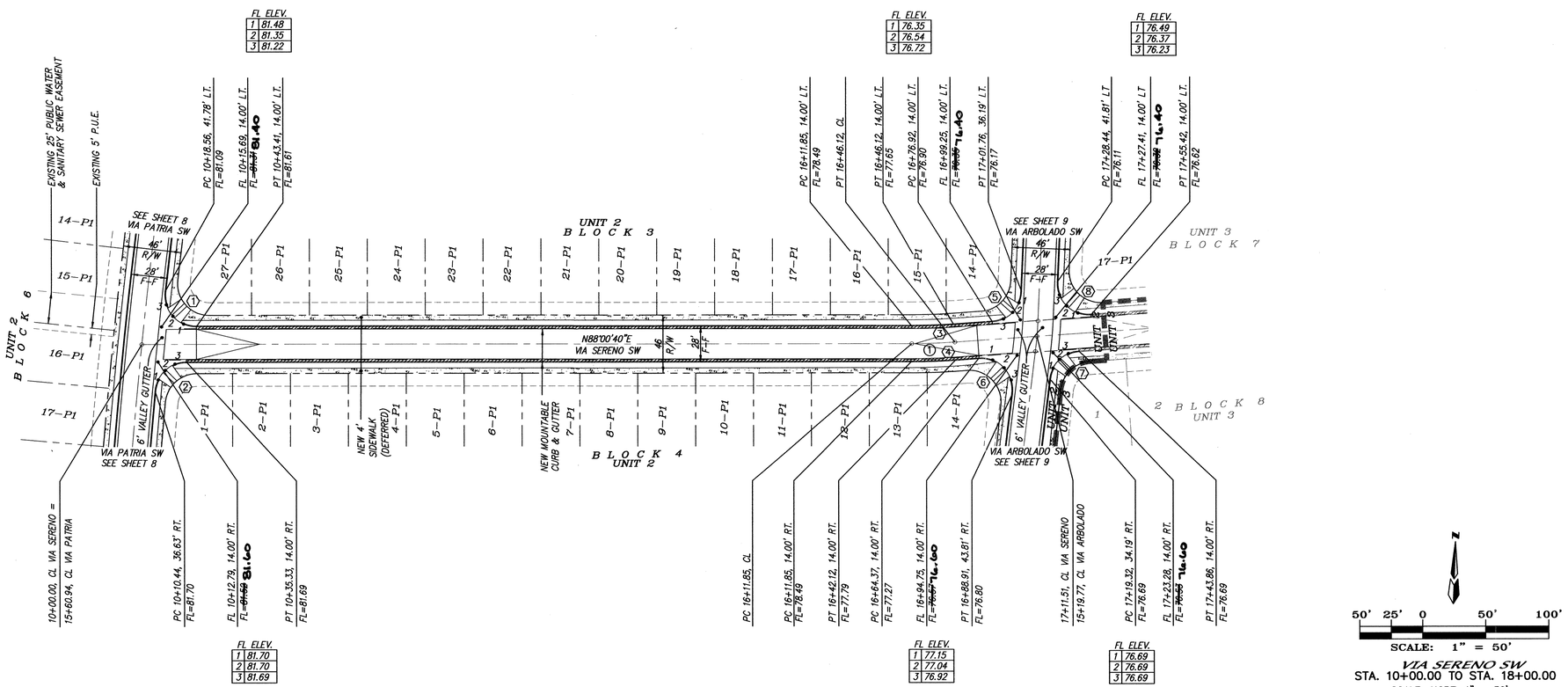
TITLE: ENCANTO VILLAGE - UNIT 2
MASTER PAVING PLAN

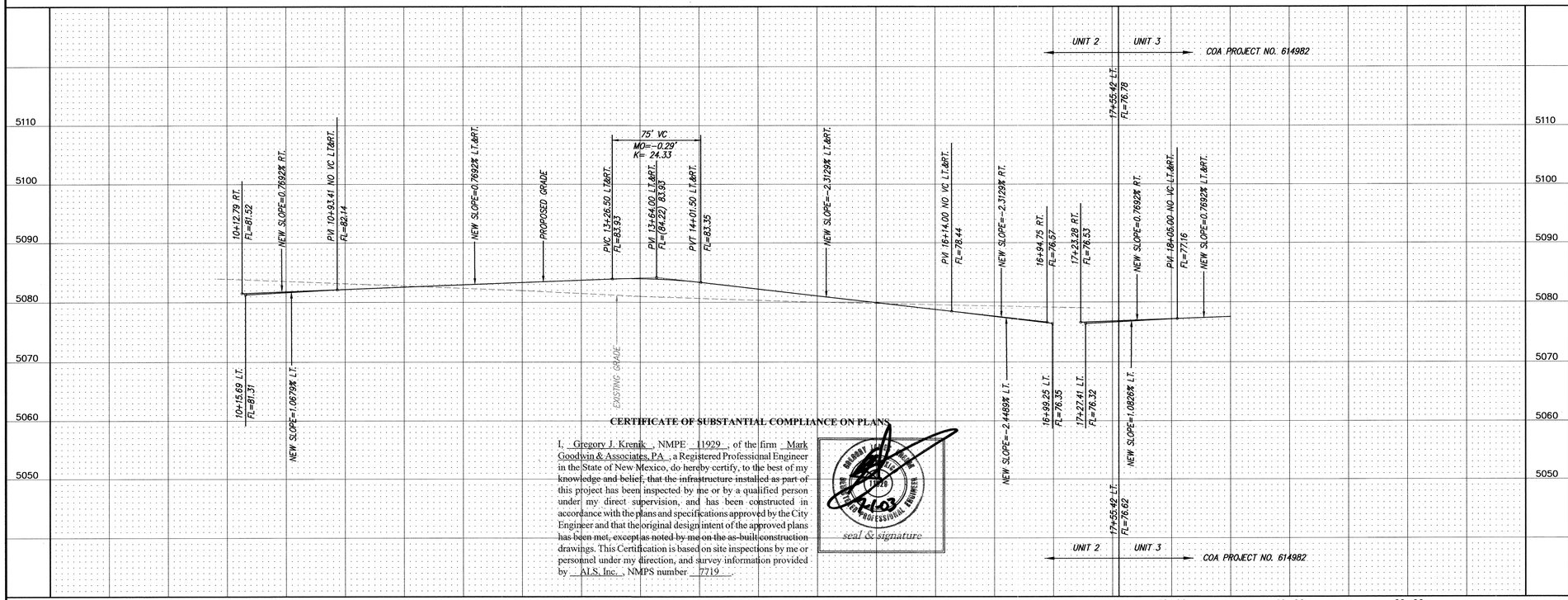
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE	APPROVED JAN 16 2003 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
633881	L-10-Z	4	22

8069BSG\UNIT2\8069MPAV\12-05-02\WLV MJR DER NHE

SCANNED BY MESA REPRO





CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

seal & signature

CURVE DATA – DESCRIBES FACE OF NEW CURB

① Δ = 96°23'01" R = 25.00' L = 42.06' T = 27.95'
② Δ = 84°33'41" R = 25.00' L = 36.90' T = 22.73'
③ Δ = 03°55'38" R = 486.00' L = 33.31' T = 16.66'
④ Δ = 03°55'38" R = 514.00' L = 35.23' T = 17.62'
⑤ Δ = 83°33'04" R = 25.00' L = 36.46' T = 22.33'
⑥ Δ = 101°05'25 R = 25.00' L = 44.11 T = 30.38
⑦ Δ = 78°54'37" R = 25.00' L = 34.43' T = 20.58'
⑧ Δ = 96°26'55" R = 25.00' L = 42.08' T = 27.98'

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 03°55'38" R = 500.00' L = 34.27' T = 17.14'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°8'17"
G - G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

AS BUILT INFORMATION
CONTRACTOR Sundance DATE 03
WORK PERFORMED BY ALS DATE 03
INSPECTOR'S ACCEPTANCE BY Ed Butledge DATE 7/07
AS-BUILT VERIFICATION BY ALS DATE 03
DRAWINGS CORRECTED BY ALS DATE 4/03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	
		DESIGNED BY GJK	DATE 3/99
		DRAWN BY WLV	DATE 3/99
		CHECKED BY DMG	DATE 3/99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ENCANTO VILLAGE - UNIT 2
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE: APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED JAN 16 2003 CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

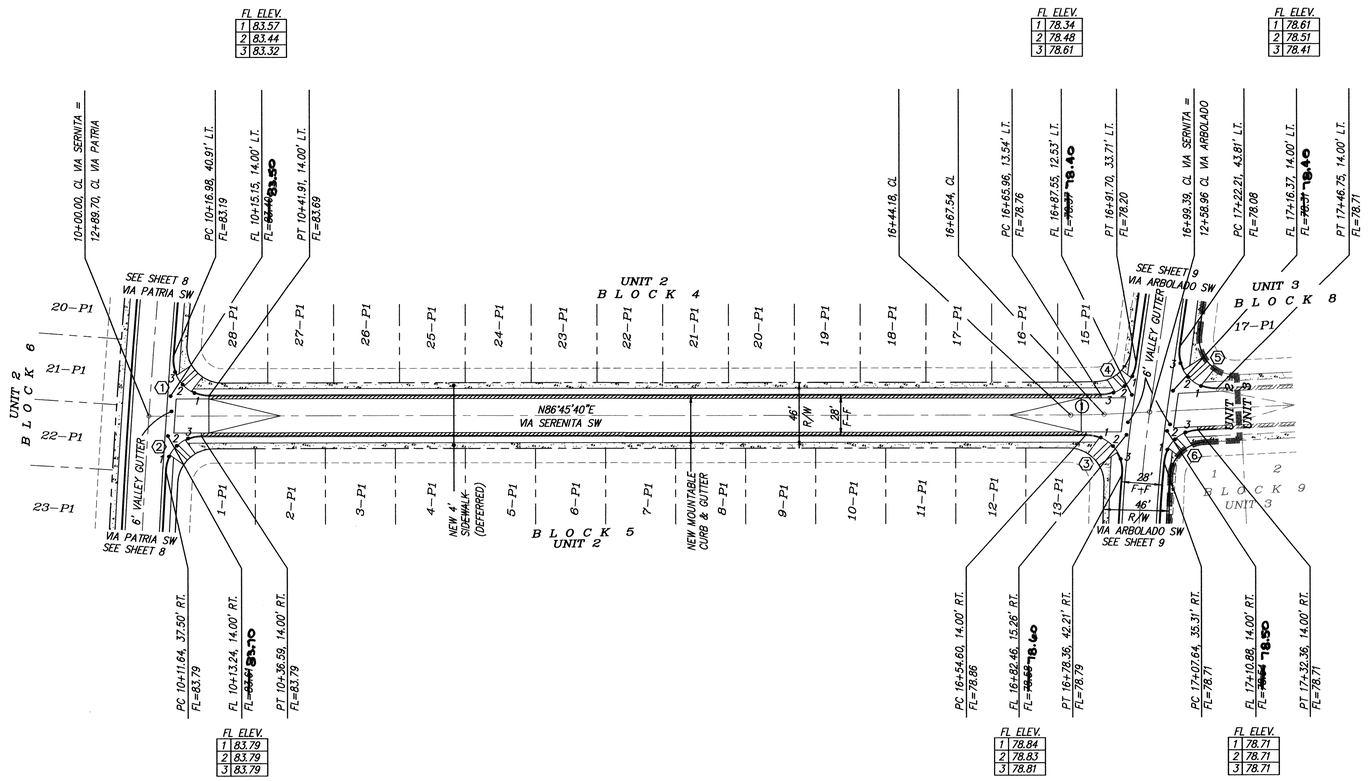
CITY PROJECT NO. 633881 | ZONE MAP NO. L-10-Z | SHEET 5 OF 22

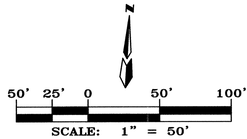
8069BSG/UNIT2/8069PP4/11–15–02/WLV MJR DER

SCANNED BY MESA REPRO

F:\08JOBS\8069BSG\UNIT2\8069pp4.dwg Fri Nov 15 11:15:41 2002 D. MARK GOODWIN & ASSOCIATES; PLOTTED BY: DER

SCANNED BY
MESA REPRO





VIA SERENITA SW
STA. 10+00.00 TO STA. 18+00.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

CURVE DATA – DESCRIBES FACE OF NEW CURB

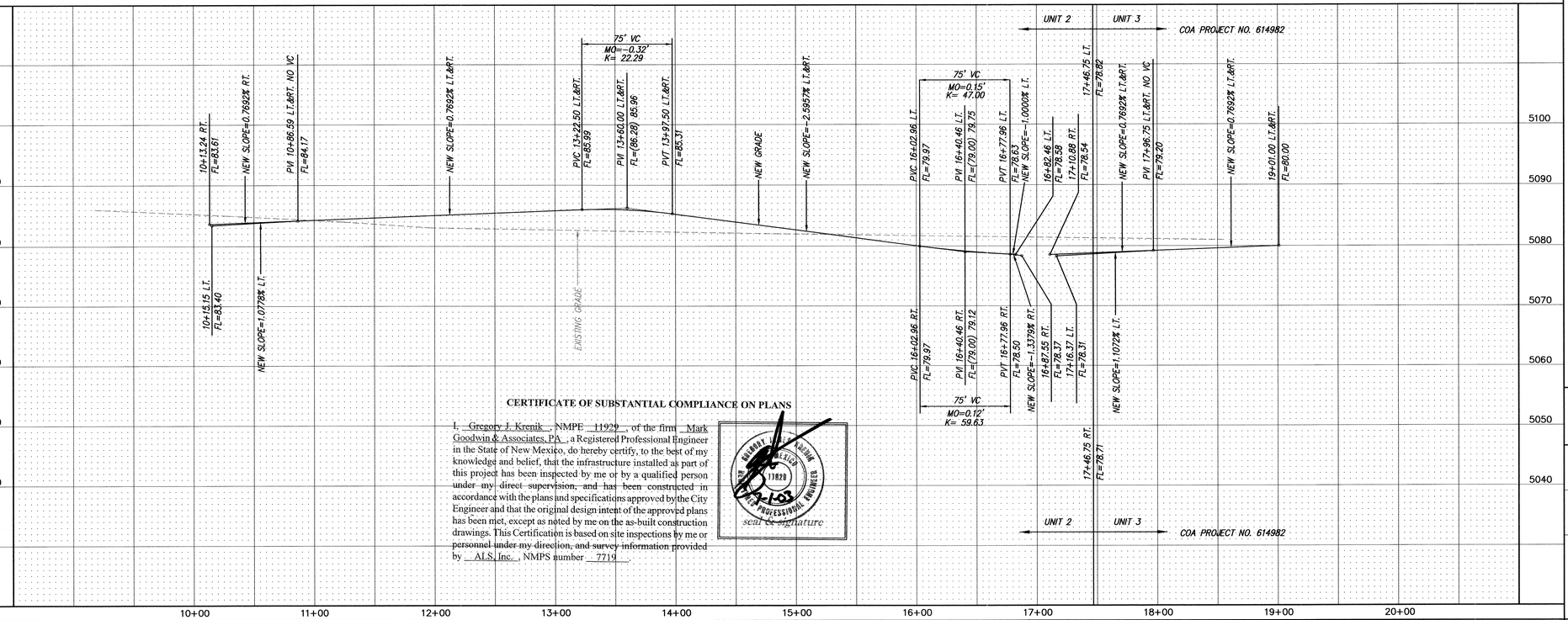
① Δ = 94°22'26" R = 25.00' L = 41.18' T = 26.99'
② Δ = 86°34'05" R = 25.00' L = 37.77' T = 23.55'
③ Δ = 96°18'35" R = 25.00' L = 42.02' T = 27.92'
④ Δ = 81°35'14" R = 25.00' L = 35.60' T = 21.57'
⑤ Δ = 101°05'25" R = 25.00' L = 44.11' T = 30.38'
⑥ Δ = 81°30'30" R = 25.00' L = 35.56' T = 21.54'

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 02°40'38" R = 500.00' L = 23.36' T = 11.68'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

GREGORY J. KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER
seal & signature

8069BSG/UNIT2/8069PP6/11-15-02/WLV MJR DER

AS BUILT INFORMATION
CONTRACTOR: Sundance
WORK STARTED BY: ALS DATE: 03
INSPECTED BY: ROY FLETCHER DATE: 7/03
ACCEPTANCE BY: DATE:
VERIFICATION BY: ALS DATE: 1/03
DRAWINGS CORRECTED BY: DATE:
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°6'17"
G - G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GREGORY J. KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER
11-18-02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		GJK	DATE 3/99
DRAWN BY		WLV	DATE 3/99
CHECKED BY		DMG	DATE 3/99

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

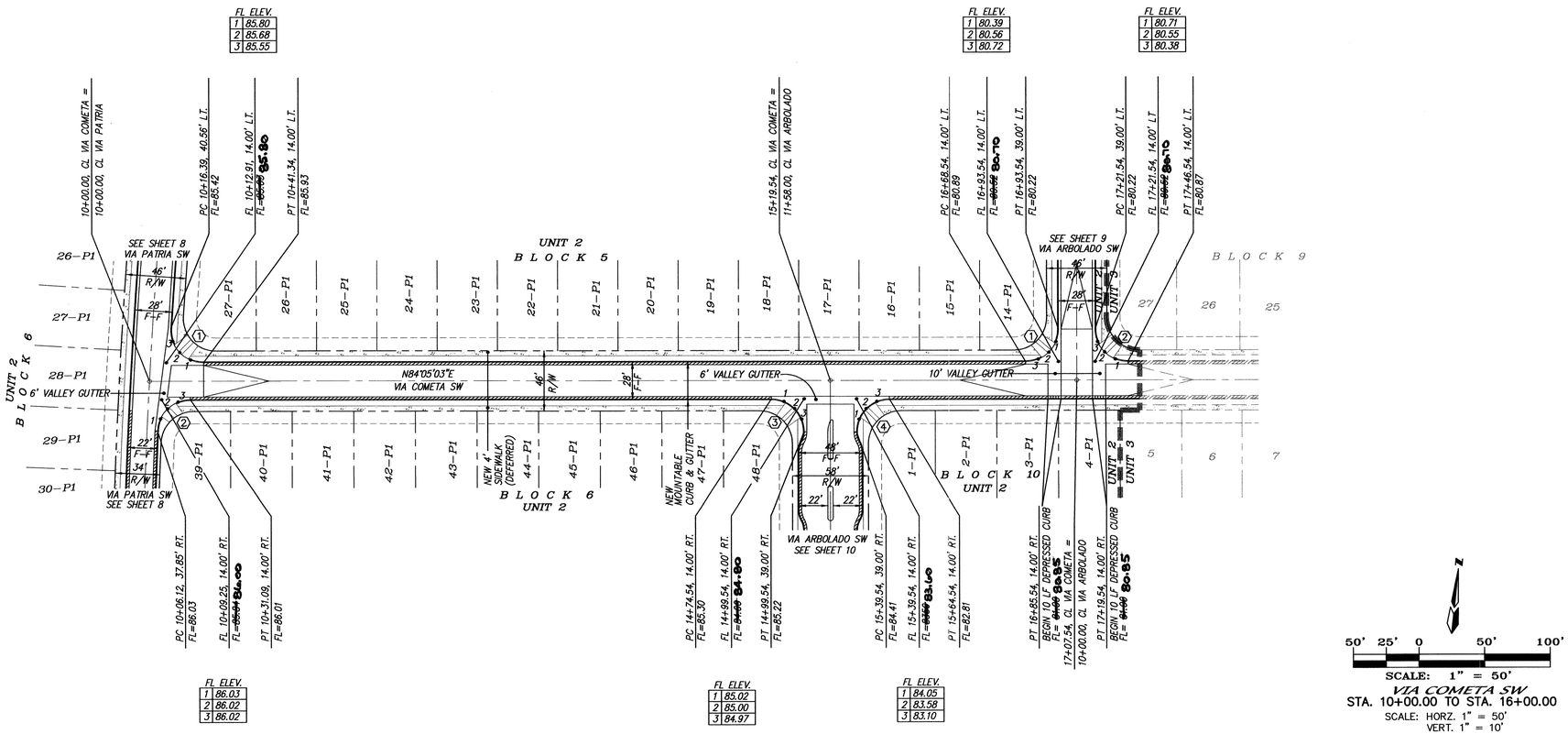
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ENCANTO VILLAGE - UNIT 2 PAVING IMPROVEMENTS

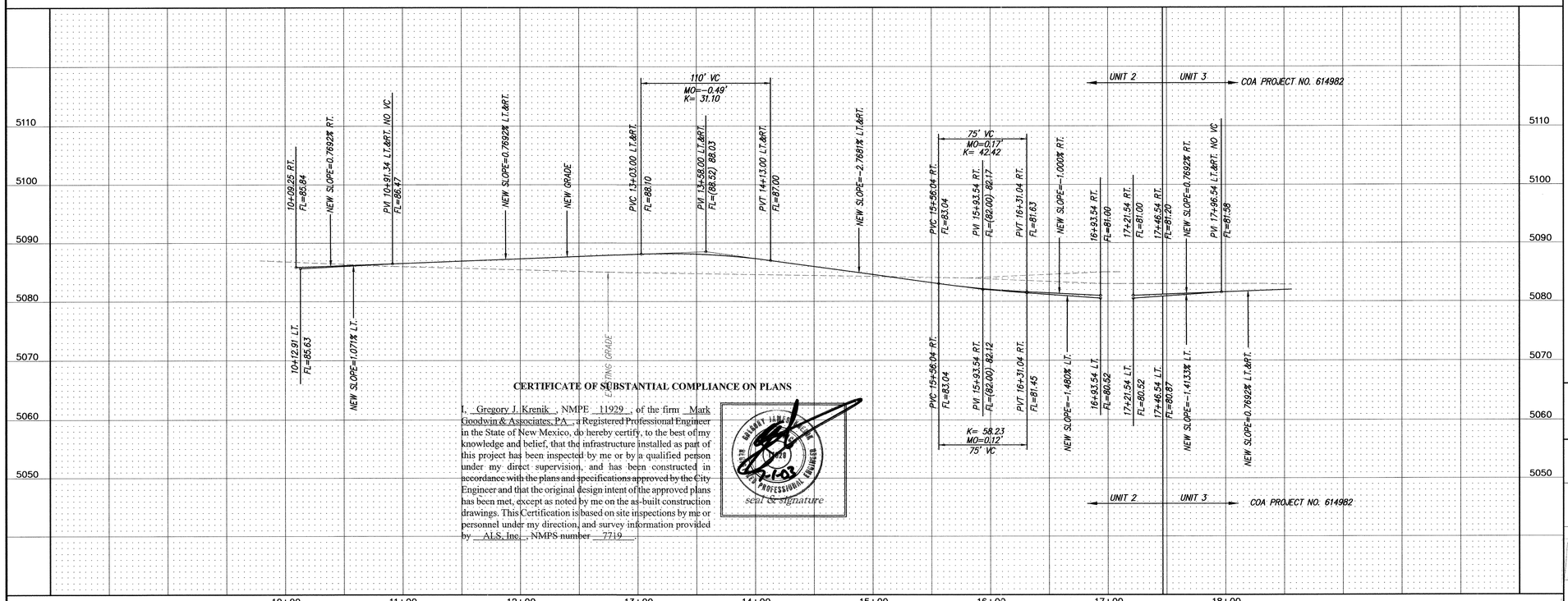
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE	APPROVED JAN 16 2003 CITY ENGINEER			

CITY PROJECT NO. 633881 | ZONE MAP NO. L-10-Z | SHEET 6 OF 22

F:\98\8BSG\8069BSG\UNIT2\8069pp6.dwg Fri Nov 15 11:15:00 2002 D. MARK GOODWIN & ASSOCIATES; PLTTED BY: DER



VIA COMETA SW
STA. 10+00.00 TO STA. 16+00.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

12-1-02
seal & signature

CURVE DATA – DESCRIBES FACE OF NEW CURB

① Δ = 93°34'55" R = 25.00' L = 40.83' T = 26.61'

② Δ = 87°21'46" R = 25.00' L = 38.12' T = 23.87'

③ Δ = 89°59'51" R = 25.00' L = 39.27' T = 25.00'

④ Δ = 90°00'09" R = 25.00' L = 39.27' T = 25.00'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

AS BUILT INFORMATION
CONTRACTOR Sundance DATE 03
WORK INSPECTORS ALS DATE 03
ACCEPTANCE BY FOR FELTLEDGE DATE 7-03
VERIFICATION BY ALS DATE 03
DRAWINGS CORRECTED BY ALS DATE 9-03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°11'7"
G - G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

ENGINEER'S SEAL
JJK 8-02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	G/K
		DRAWN BY	WLV
		CHECKED BY	DMG

DATE 3/99 DATE 3/99 DATE 3/99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ENCANTO VILLAGE - UNIT 2
PAVING IMPROVEMENTS

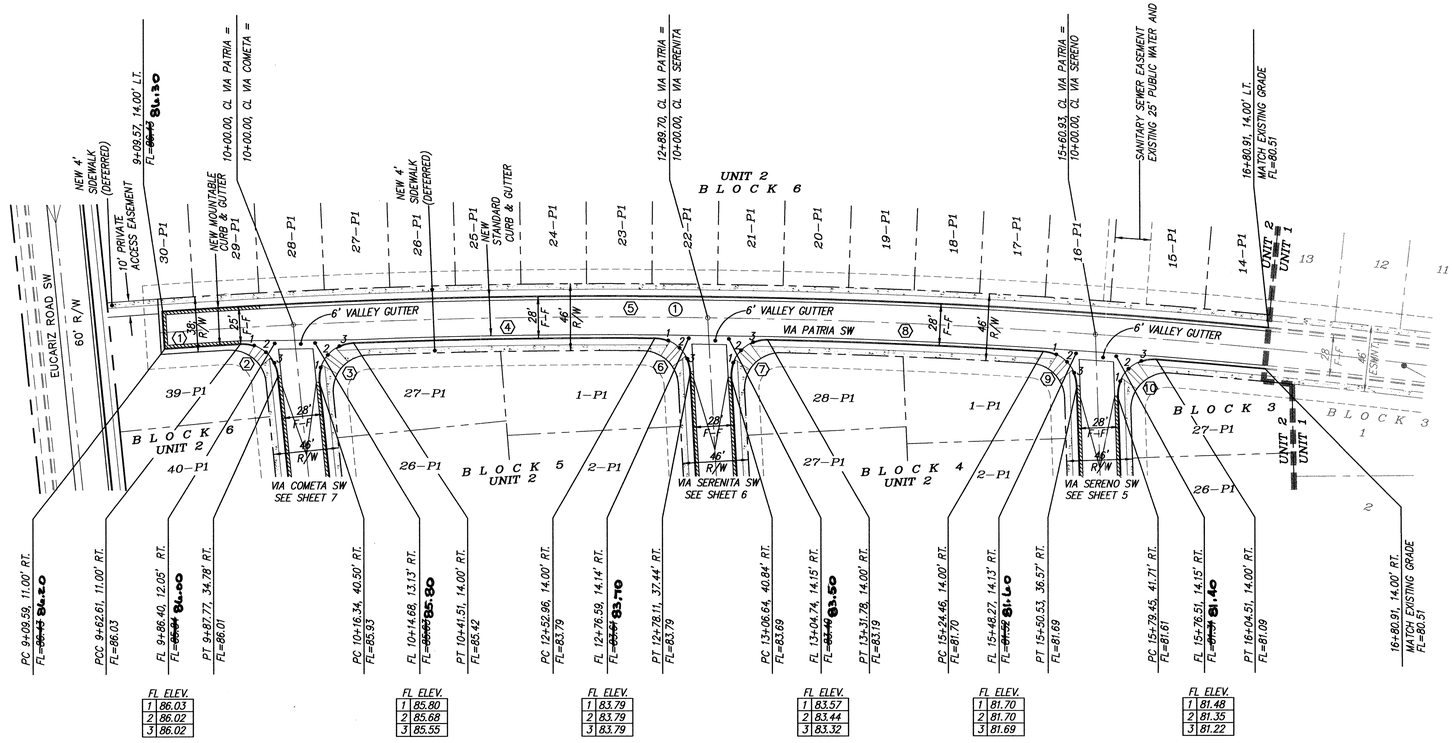
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 25 2002 DESIGN REVIEW COMMITTEE	APPROVED JAN 16 2003 CITY ENGINEER			

CITY PROJECT NO. 633881 | ZONE MAP NO. L-10-Z | SHEET 7 OF 22

8069BSG/UNIT2/8069PP8/11-15-02/WLV MJR DER

SCANNED BY MESA REPRO

F:\96JOBS\8069BSG\UNIT2\8069pp8.dwg Fri Nov 15 11:19:25 2002 D. MARK GOODWIN & ASSOCIATES; PLTTED BY: DER



50' 25' 0 50' 100'

SCALE: 1" = 50'

VIA PATRIA SW

STA. 10+00.00 TO STA. 16+40.00

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

CURVE DATA – DESCRIBES FACE OF NEW CURB

① Δ = 00°38'01"
R = 478.00'
L = 52.90'
T = 26.45'

② Δ = 87°21'46"
R = 25.00'
L = 38.12'
T = 23.87'

③ Δ = 93°34'55"
R = 25.00'
L = 40.83'
T = 26.61'

④ Δ = 02°31'38"
R = 4780.00'
L = 210.84'
T = 105.44'

⑤ Δ = 16°29'10"
R = 4808.00'
L = 1383.43'
T = 696.53'

⑥ Δ = 86°34'05"
R = 25.00'
L = 37.77'
T = 23.55'

⑦ Δ = 94°22'26"
R = 25.00'
L = 41.18'
T = 26.99'

⑧ Δ = 02°18'53"
R = 4780.00'
L = 193.11'
T = 96.57'

⑨ Δ = 84°33'41"
R = 25.00'
L = 36.90'
T = 22.73

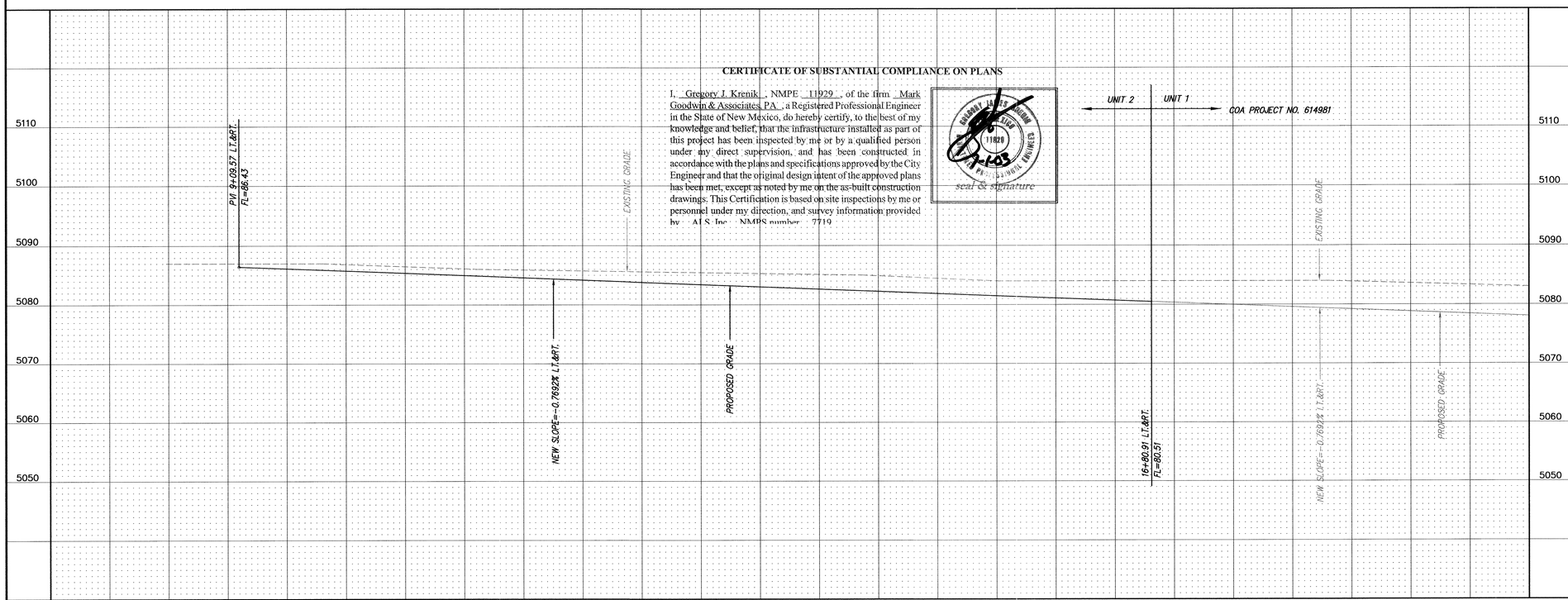
⑩ Δ = 96°23'01"
R = 25.00'
L = 42.06'
T = 27.95'

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 16°32'45"
R = 4794.00'
L = 1384.41'
T = 697.05'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, 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.

seal & signature

8069BSG/UNIT2/8069PP10/11-15-02/WLV MJR DER

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°61'7"
G - G = 0.9996792
ELEVATION = 5095.142 (NGVD 29)

AS BUILT INFORMATION
CONTRACTOR Sundance DATE 03
WORK STAKED BY ALS DATE 03
INSPECTED BY ALS DATE 7/01
ACCEPTANCE BY CITY OF ALBUQUERQUE DATE 7/01
FIELD VERIFICATION BY ALS DATE 03
DRAWINGS CORRECTED BY ALS DATE 1/03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
GREGORY J. KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER
1/7/03

NO.	REMARKS	DATE	BY
	REVISIONS		
	DESIGN	3/99	
	DESIGNED BY G/K	DATE 3/99	
	DRAWN BY WLV	DATE 3/99	
	CHECKED BY DMG	DATE 3/99	

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ENCANTO VILLAGE - UNIT 2
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE	APPROVED JAN 16 2003 CITY ENGINEER			

CITY PROJECT NO. 633881 | ZONE MAP NO. L-10-Z | SHEET 8 OF 22

SCANNED BY
MESA REPRO

F:\GB\GBS\8069BSG\UNIT2\8069pp10.dwg Fri Nov 15 11:14:13 2002 D. MARK GOODWIN & ASSOCIATES; PLTTED BY: DER

CURVE DATE – DESCRIBES FACE OF NEW CURE

① Δ = 90°00'09" R = 25.00' L = 39.27' T = 25.00'
② Δ = 89°59'51" R = 25.00' L = 39.27' T = 25.00'
③ Δ = 08°29'39" R = 86.00' L = 131.35' T = 65.80'
④ Δ = 07°47'43" R = 914.00' L = 124.00' T = 62.27'
⑤ Δ = 96°18'35" R = 25.00' L = 42.02' T = 27.92'
⑥ Δ = 81°30'30" R = 25.00' L = 35.56' T = 21.54'
⑦ Δ = 101°05'25" R = 25.00' L = 44.12' T = 30.38'
⑧ Δ = 81°35'14" R = 25.00' L = 35.60' T = 21.57'
⑨ Δ = 101°05'25" R = 25.00' L = 44.12' T = 30.38'
⑩ Δ = 78°54'37" R = 25.00' L = 34.43' T = 20.58'
⑪ Δ = 96°26'55" R = 25.00' L = 42.08' T = 27.98'
⑫ Δ = 83°33'04" R = 25.00' L = 36.46' T = 22.33'
⑬ Δ = 91°01'18" R = 25.00' L = 39.72' T = 25.45'
⑭ Δ = 88°58'43" R = 25.00' L = 38.82' T = 24.56'
⑮ Δ = 09°23'05" R = 514.00' L = 84.19' T = 42.19'
⑯ Δ = 09°07'02" R = 486.00' L = 77.34' T = 38.75'
⑰ Δ = 92°58'31" R = 25.00' L = 40.57' T = 26.33'
⑱ Δ = 93°30'36" R = 25.00' L = 40.80' T = 37.21'

CURVE DATE – DESCRIBES CENTERLINE

① Δ = 11°05'33" R = 900.00' L = 174.24' T = 87.39'
② Δ = 04°38'29" R = 300.00' L = 24.30' T = 12.16'
③ Δ = 12°05'33" R = 500.00' L = 105.53' T = 52.96'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SCANNED BY MESA REPRO

SCALE: 1" = 50'

VIA ARBOLADO SW
STA. 10+00.00 TO STA. 21+01.23
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

seal & signature

AS BUILT INFORMATION

CONTRACTOR Sundance
STAKED BY
INSPECTOR'S INITIALS
FIELD VERIFICATION BY
FIELD DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -09°17'
G - G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY GJK	DATE 3/99
		DRAWN BY WLV	DATE 3/99
		CHECKED BY DMG	DATE 3/99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

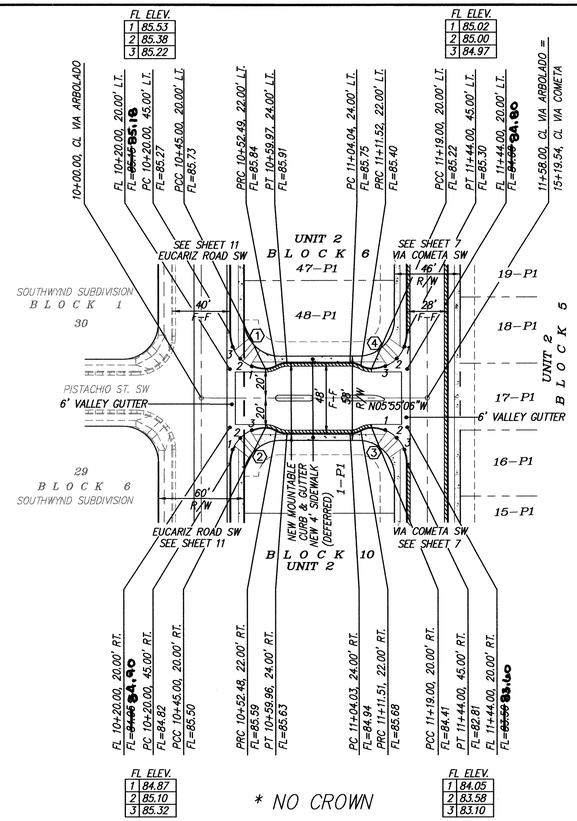
TITLE:
ENCANTO VILLAGE - UNIT 2
PAVING IMPROVEMENTS

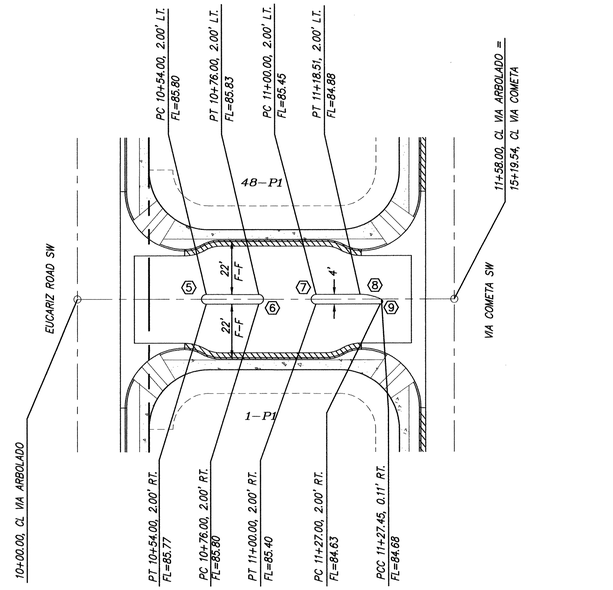
DESIGN REVIEW COMMITTEE: APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED JAN 16 2003 CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 633881
ZONE MAP NO. L-10-Z
SHEET 9 OF 22

8069BSG/UNIT2/8069PP12/12-06-02/WLV MJR DER NHE

SCANNED BY
MESA REPRO





VIA ARBOLADO MEDIAN DETAIL
SCALE: 1" = 30'

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

VIA ARBOLADO SW
STA. 10+00.00 TO STA. 11+58.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

CURVE DATA – DESCRIBES FACE OF NEW CURB

① Δ = 90°00'09"
R = 25.00'
L = 39.27'
T = 25.00'

② Δ = 89°59'51"
R = 25.00'
L = 39.27'
T = 25.00'

③ Δ = 90°00'09"
R = 25.00'
L = 39.27'
T = 25.00'

④ Δ = 89°59'51"
R = 25.00'
L = 39.27'
T = 25.00'

⑤ Δ = 180°10'50"
R = 3.33'
L = 10.47'
T = N/A

⑥ Δ = 180°10'50"
R = 3.33'
L = 10.47'
T = N/A

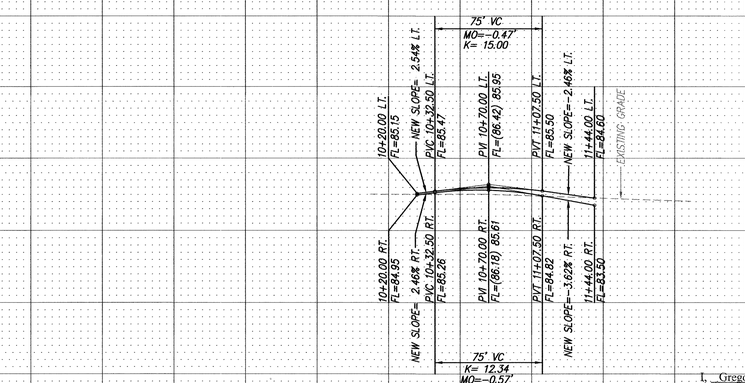
⑦ Δ = 180°10'50"
R = 3.33'
L = 10.47'
T = N/A

⑧ Δ = 26°31'31"
R = 20.00'
L = 9.26'
T = 4.71'

⑨ Δ = 153°28'42"
R = 1.00'
L = 2.68'
T = 4.24'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, 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.

seal & signature

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°11'7"
G – G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

AS BUILT INFORMATION

CONTRACTOR	Sundance	DATE 03
WORK INSPECTED BY	ALS	DATE 03
ACCEPTANCE BY	CITY	DATE
VERIFICATION BY	ALS	DATE 03
DRAWINGS CORRECTED BY	ALS	DATE 03

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	GJK	DATE 4/99
DRAWN BY	WLV	DATE 4/99
CHECKED BY	DMG	DATE 4/99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

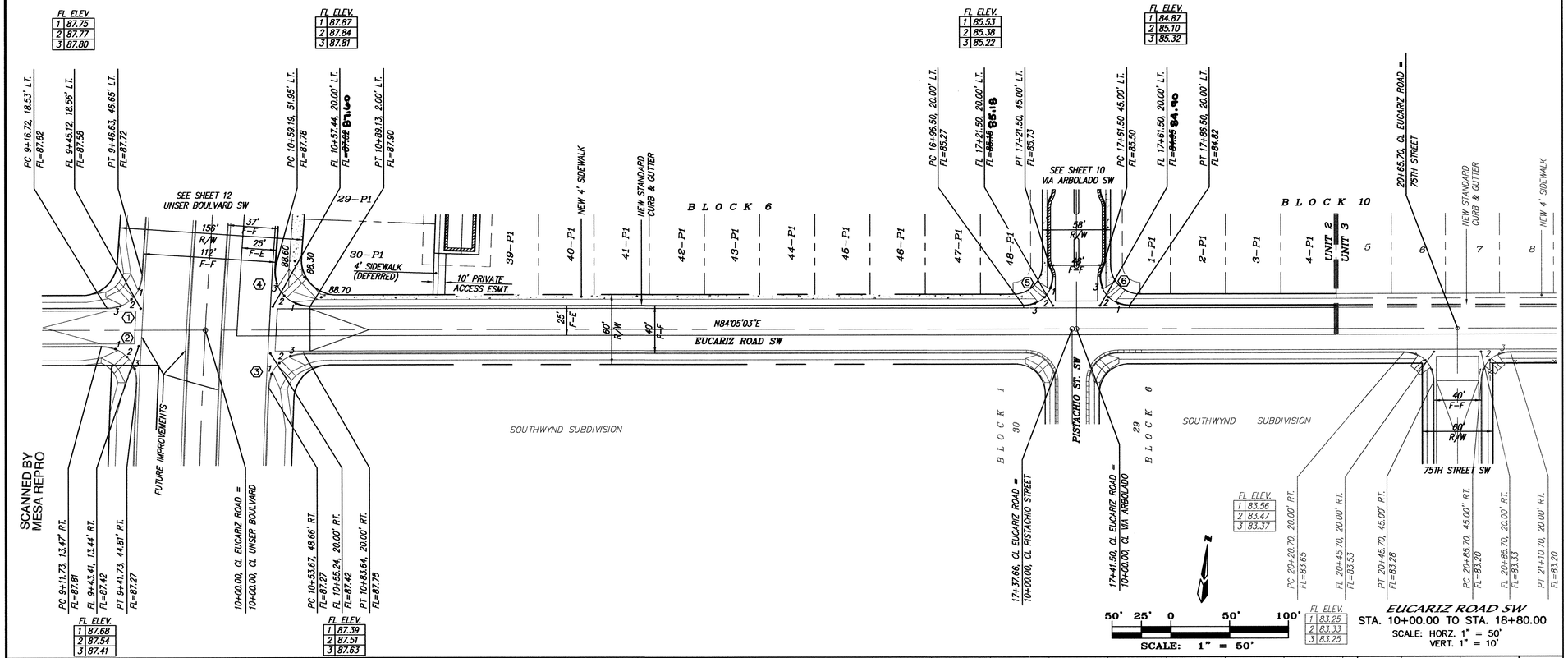
TITLE:
ENCANTO VILLAGE - UNIT 2
PAVING IMPROVEMENTS

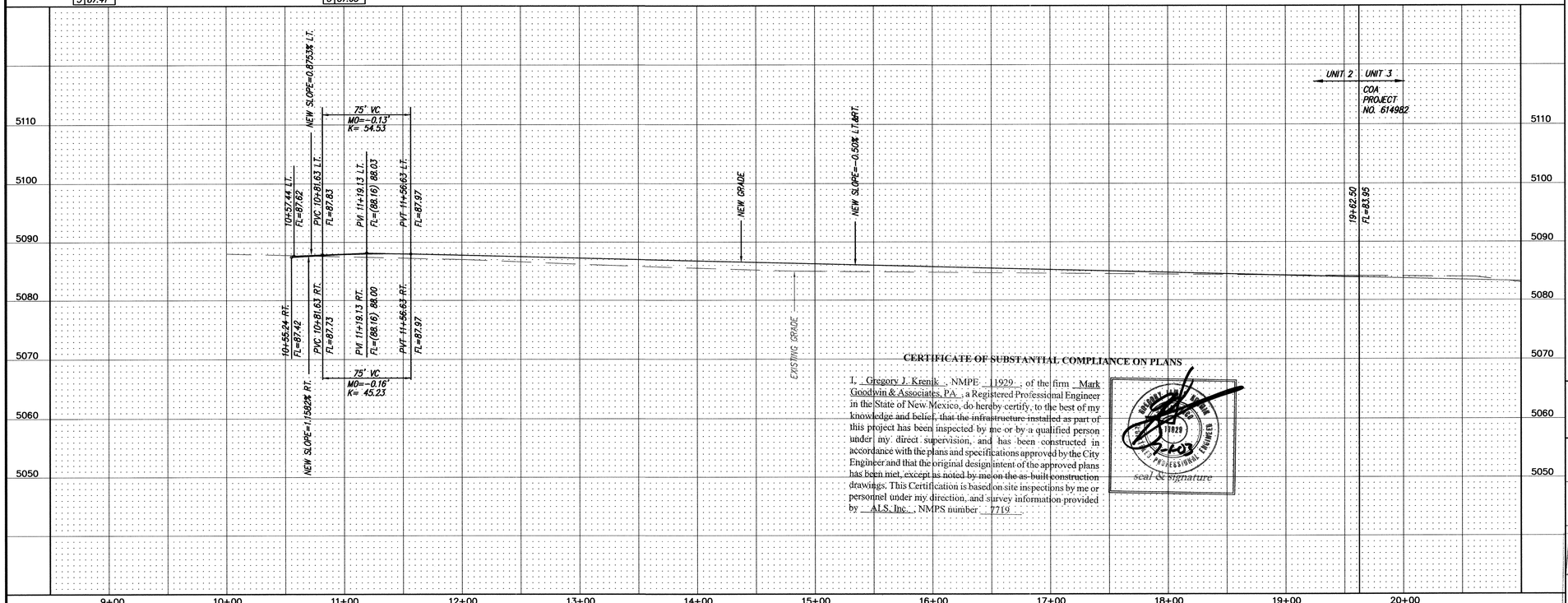
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE	APPROVED JAN 16 2003 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
633881	L-10-Z	10	22

8069BSC/UNIT2/8069PP14/11-15-02/WLV MJR DER

F:\98JOBS\8069BSC\UNIT2\8069pp14.dwg Fri Nov 15 11:18:34 2002 D. MARK GOODWIN & ASSOCIATES; PLITED BY: DER





CURVE DATA – DESCRIBES NEW FACE OF CURB

① Δ = 86°21'26" R = 30.00' L = 45.22' T = 28.15'

② Δ = 92°36'17" R = 30.00' L = 48.49' T = 31.40'

③ Δ = 87°26'17" R = 30.00' L = 45.78' T = 28.69'

④ Δ = 93°43'47" R = 30.00' L = 49.08' T = 32.02'

⑤ Δ = 90°00'09" R = 25.00' L = 39.27' T = 25.00'

⑥ Δ = 89°59'09" R = 25.00' L = 39.27' T = 25.00'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 19029, 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.

seal & signature

AS BUILT INFORMATION
CONTRACTOR Sundance
WORK STAKED BY ALS DATE 03
INSPECTOR'S FIELD STAKING BY ALS DATE 03
FIELD VERIFICATION BY ALS DATE 03
DRAWINGS CORRECTED BY ALS DATE 03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°51'7"
G – G = 0.9996792l
ELEVATION = 5095.142 (NGVD 29)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
12-9-02

NO. DATE REMARKS
REVISIONS
DESIGNED BY GJK DATE 4/99
DRAWN BY WLV DATE 4/99
CHECKED BY DMG DATE 4/99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

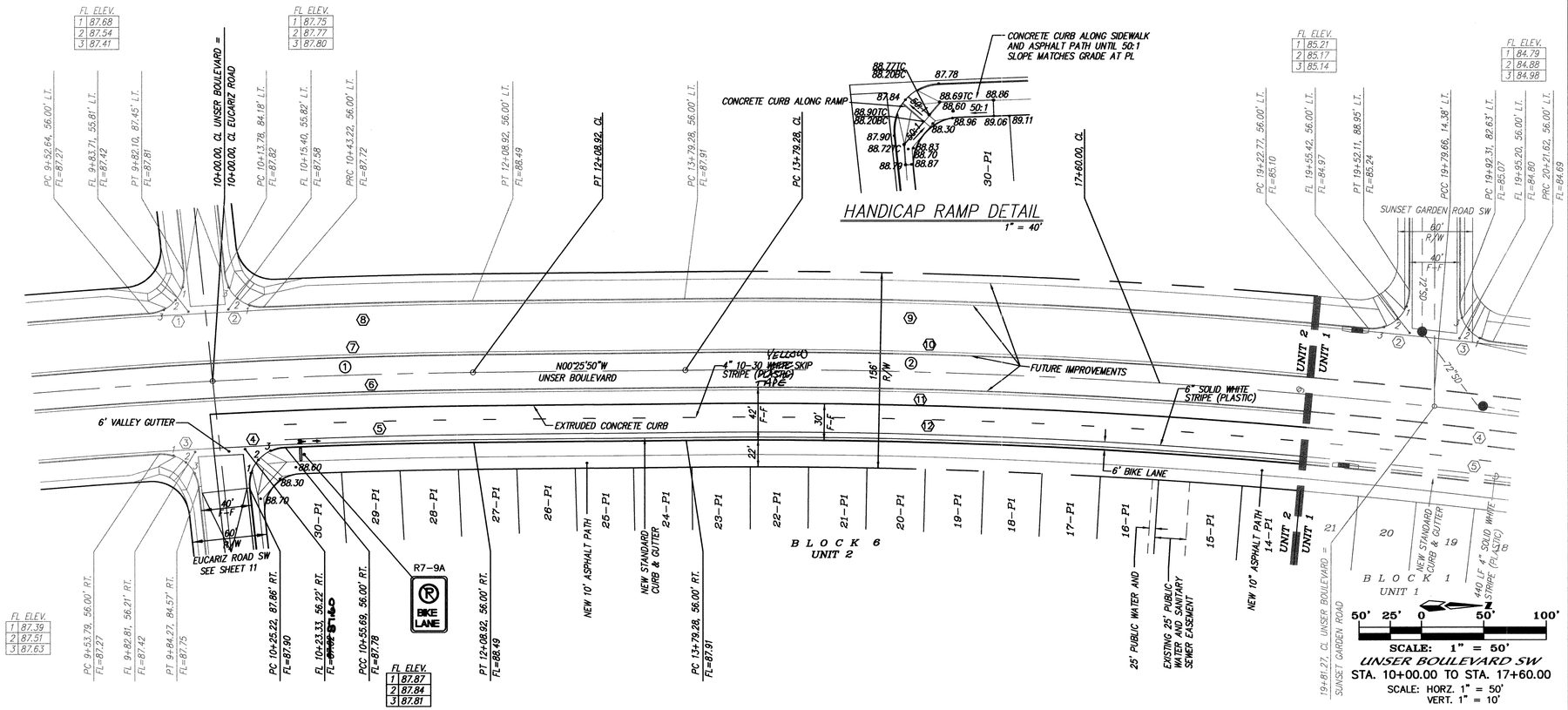
TITLE: ENCANTO VILLAGE - UNIT 2 PAVING IMPROVEMENTS

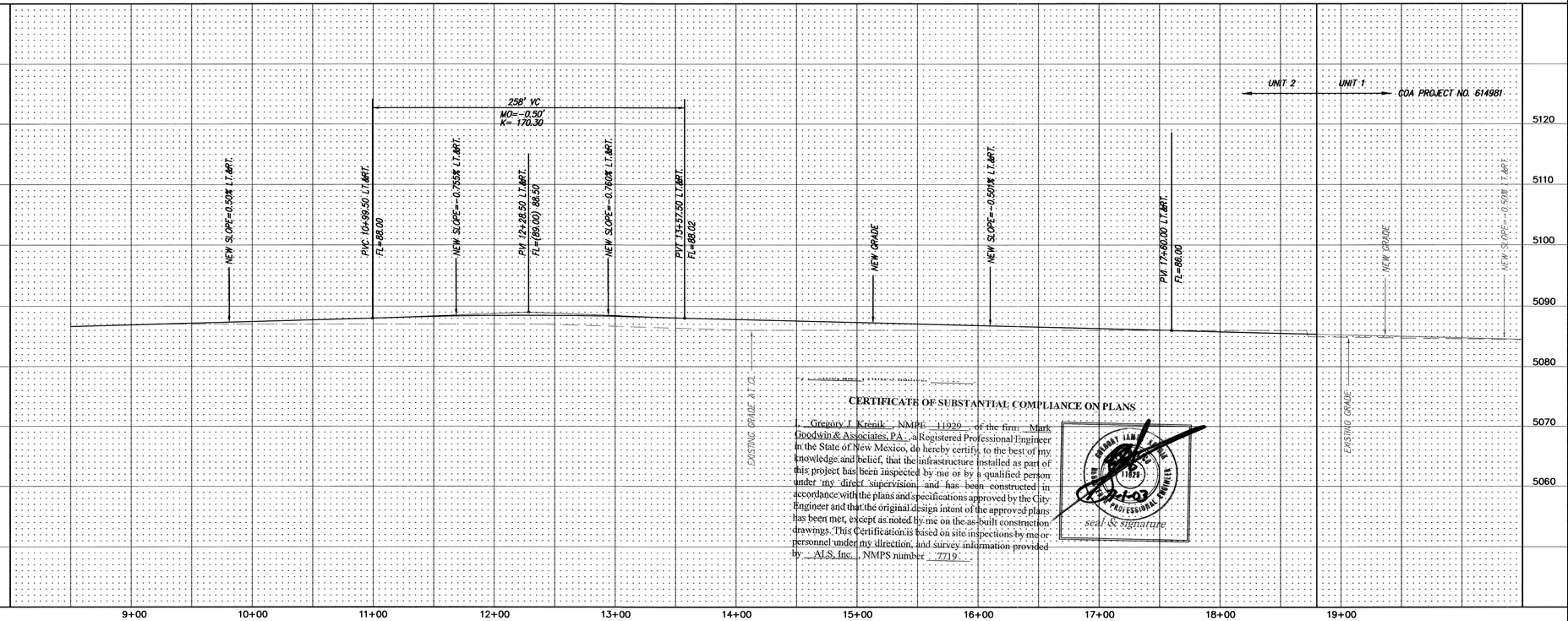
DESIGN REVIEW COMMITTEE: APPROVED DEC 2 6 2002 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED JAN 1 6 2003 CITY ENGINEER
LAST DESIGN UPDATE: MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. 633881
ZONE MAP NO. L-10-Z
SHEET OF 11 22

8069BSG\UNIT2\8069PP15\12-06-02\WLV MJR DER NHE

SCANNED BY
MESA REPRO





CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory T. Krenik, NMPE 11929, 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.

seal & signature

CURVE DATA – DESCRIBES NEW FACE OF CURB

① Δ = 92°36'17" R = 30.00' L = 48.49' T = 31.40'
② Δ = 84°26'51" R = 30.00' L = 45.22' T = 27.23'
③ Δ = 87°26'17" R = 30.00' L = 45.78' T = 28.69'
④ Δ = 93°43'47" R = 30.00' L = 49.08' T = 32.02'
⑤ Δ = 01°45'21" R = 4944.00' L = 151.51' T = 75.76'
⑥ Δ = 02°23'07" R = 4986.00' L = 207.58' T = 103.80'
⑦ Δ = 02°24'10" R = 5014.00' L = 210.26' T = 105.15'
⑧ Δ = 01°53'55" R = 5056.00' L = 167.55' T = 83.78'
⑨ Δ = 06°13'40" R = 5056.00' L = 549.57' T = 275.05'
⑩ Δ = 13°00'55" R = 5014.00' L = 1138.98' T = 571.95'
⑪ Δ = 10°27'10" R = 4986.00' L = 909.61' T = 456.08'
⑫ Δ = 10°51'35" R = 4944.00' L = 937.07' T = 469.95'

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 02°23'38" R = 5000.00' L = 208.92' T = 31.42'
② Δ = 13°00'55" R = 5000.00' L = 1135.80' T = 570.35'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

AS BUILT INFORMATION
CONTRACTOR Sundance DATE 03
WORK PERFORMED BY ALS DATE 2/02 EXTENSION 763
INSPECTOR'S SIGNATURE & DISTANCE BY [illegible] DATE
FIELD VERIFICATION BY ALS DATE 03
DRAWING REVISED BY ALS DATE 4/03
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°61'17"
G - G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

SURVEY INFORMATION
FIELD NOTES BY DATE

ENGINEER'S SEAL

NO.	REMARKS	BY	DATE
	REVISIONS		
	DESIGN	GJK	4/99
	DRAWN BY	WLV	4/99
	CHECKED BY	DMG	4/99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

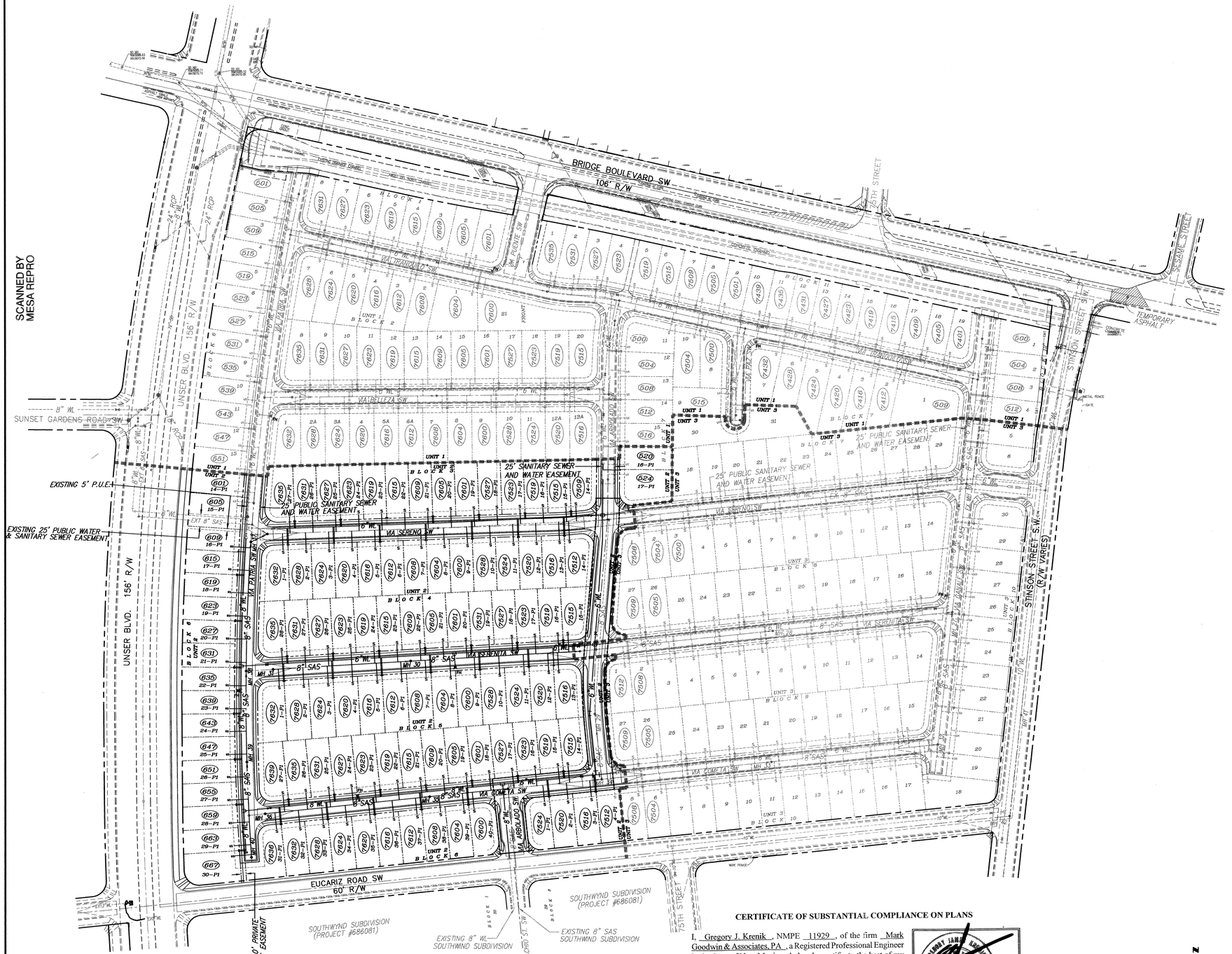
TITLE: ENCANTO VILLAGE - UNIT 2 PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE	APPROVED JAN 16 2003 CITY ENGINEER			

CITY PROJECT NO. 633881 | ZONE MAP NO. L-10-Z | SHEET 12 OF 22

8069BSG/UNIT2/8069PP18/12-06-02/WLV MJR DER NHE

SCANNED BY
MESA REPRO



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. SEE SHEET 21 FOR WATER DETAILS

WATER SHUT-OFF PLAN

1. ALL CONNECTIONS ARE MADE TO EXISTING STUBS WITH EXISTING VALVES.

LEGEND

- 8"WL — PROPOSED WATERLINE
- PROPOSED GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPSED SINGLE WATER METER & SERVICE
- PROPOSED DOUBLE WATER METER & SERVICE
- 8"SAS — PROPOSED SANITARY SEWER
- PROPOSED SAS MANHOLE
- PROPOSED SAS SERVICE
- (7400) PROPOSED ADDRESS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

GREGORY JAMES KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER
seal & signature
11-Feb-03

N

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

8069BSG\UNIT2\2002SAS\8069MUTL\11-15-02 NHE DER

AS BUILT INFORMATION

CONTRACTOR Sundance DATE 03

WORK INSPECTED BY AS BUILTLEDGE DATE 7/03

ACCEPTANCE BY CITY DATE

VERIFICATION BY AIS DATE 1/03

DRAWINGS CORRECTED BY AIS DATE 1/03

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°61'7"
G - G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

GREGORY J. KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER
11-Feb-03

NO.	DATE	REVISIONS	BY	DATE
		DESIGN		4/99
		DESIGNED BY	GJK	4/99
		DRAWN BY	WLV, MJR, KJS	4/99
		CHECKED BY	DMG	4/99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ENCANTO VILLAGE - UNIT 2
MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE: APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED JAN 16 2003 CITY ENGINEER

LAST DESIGN UPDATE

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

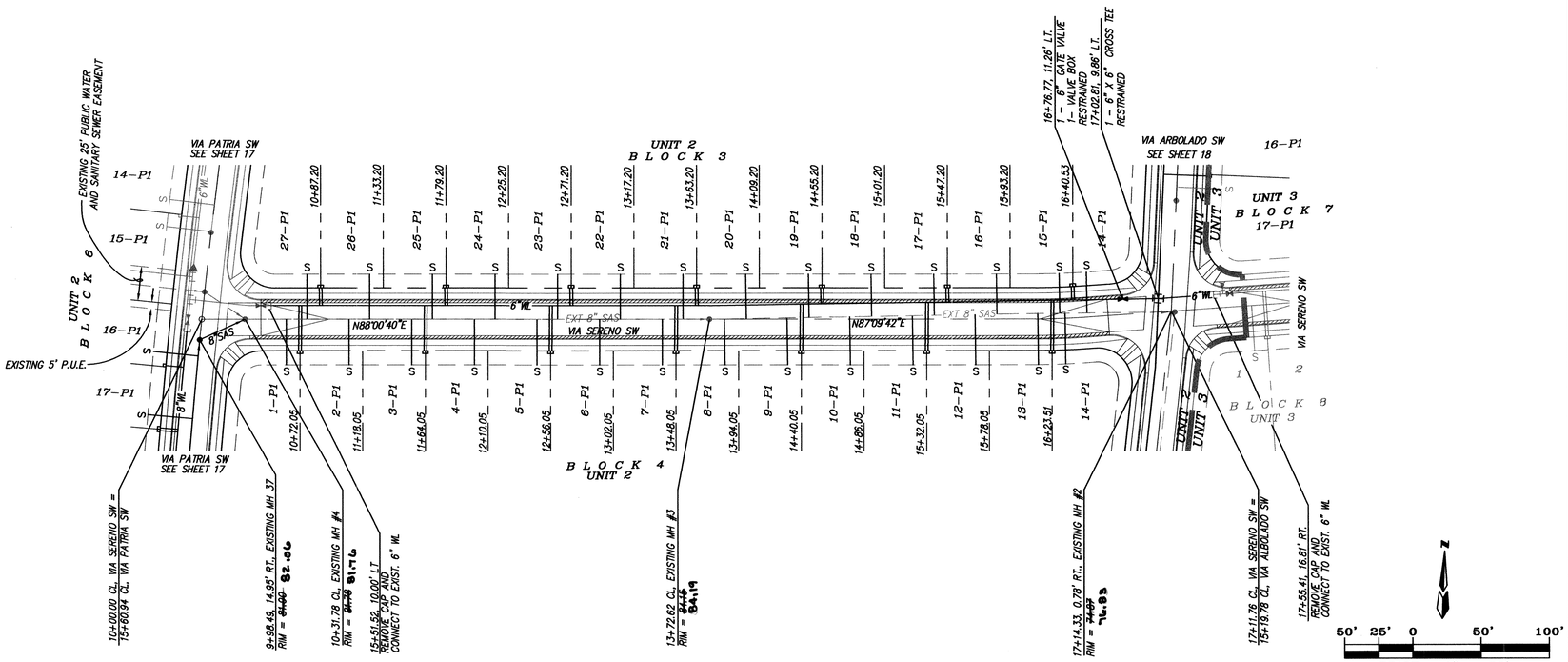
CITY PROJECT NO. 633881

ZONE MAP NO. L-10-Z

SHEET 13 OF 22

F:\8BJOBS\8069BSG\UNIT2\2002SAS\8069mutl1.dwg Fri Nov 15 11:25:07 2002 D. MARK GOODWIN & ASSOCIATES; PLITED BY: DER

SCANNED BY
MESA REPRO

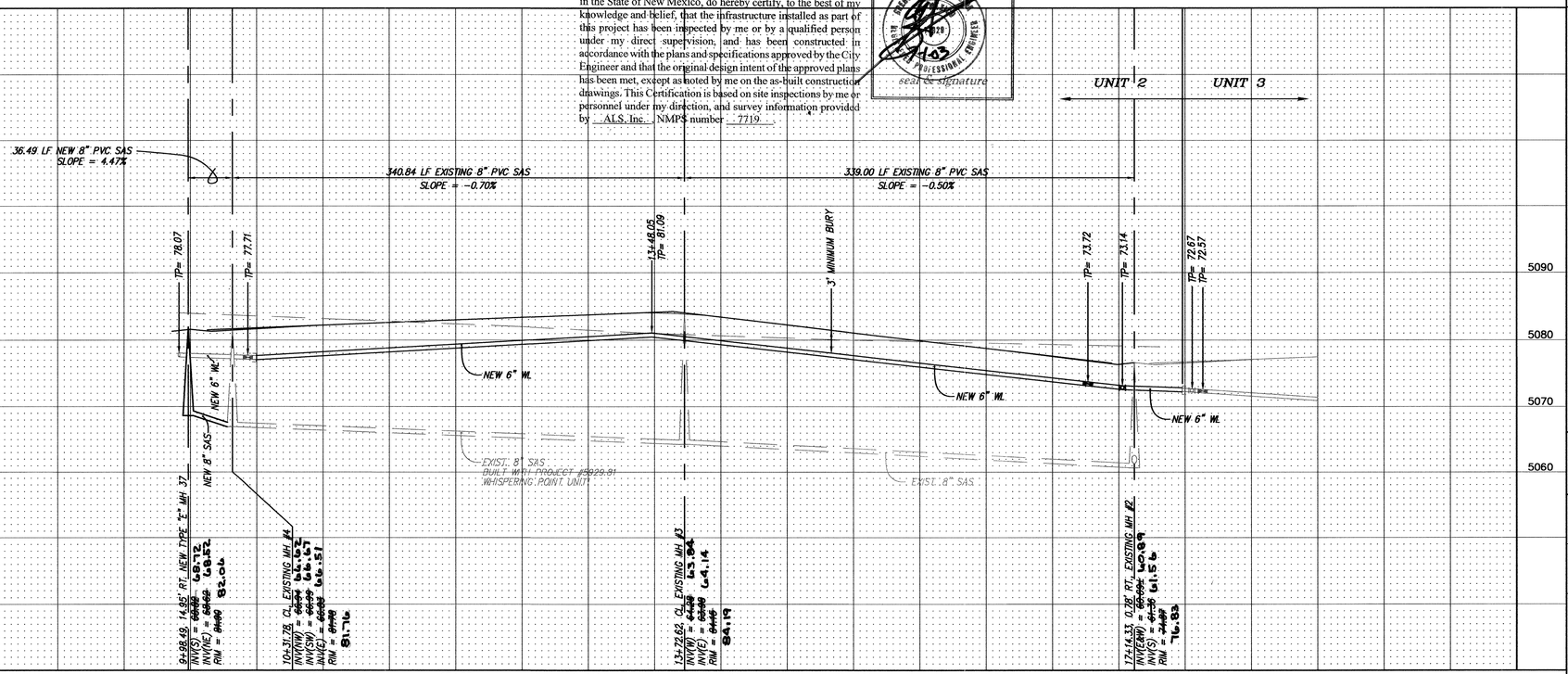


SCALE: 1" = 50'
VIA SERENO SW
STA. 10+00.00 TO STA. 17+11.76
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

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GREGORY JAMES KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER
seal & signature



8069BSG\UNIT2\8069UT4\12-06-02\MJR ACH DER NHE

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALVE BOX, SEE DETAIL, SHEET 21.
3. WATER METER, SEE DETAIL, SHEET 21.
4. RISER REQUIRED WHEN INVERT ~~IS~~ AT PUE IS GREATER THAN 2'-0" ABOVE MAIN LINE INVERT.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
3	14–P1	16+51.48	71.51	29.66'
3	15–P1	16+40.33	71.79	29.02'
3	16–P1	15+83.20	73.15	29.47'
3	17–P1	15+37.20	74.21	30.24'
3	18–P1	14+91.20	75.27	31.01'
3	19–P1	14+45.20	76.34	31.92'
3	20–P1	13+99.20	77.40	32.60'
3	21–P1	13+53.20	77.99	33.00'
3	22–P1	13+07.20	77.78	33.00'
3	23–P1	12+61.20	77.43	33.00'
3	24–P1	12+15.20	77.07	33.00'
3	25–P1	11+69.20	76.72	33.00'
3	26–P1	11+23.20	76.37	33.00'
3	27–P1	10+77.20	75.97	33.00'
4	1–P1	10+62.05	75.80	33.00'
4	2–P1	11+08.05	76.25	33.00'
4	3–P1	11+54.05	76.60	33.00'
4	4–P1	12+00.05	76.96	33.00'
4	5–P1	12+46.05	77.31	33.00'
4	6–P1	12+92.05	77.66	33.00'
4	7–P1	13+38.05	77.99	33.00'
4	8–P1	13+84.05	77.69	33.17'
4	9–P1	14+30.05	76.69	33.85'
4	10–P1	14+76.05	75.62	34.73'
4	11–P1	15+22.05	74.56	35.49'
4	12–P1	15+68.05	73.47	36.26'
4	13–P1	16+14.05	72.43	37.03'
4	14–P1	16+32.68	71.98	36.90'

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	–	–	46'
8"	22'	9'	4'	2'	60'

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

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

AS BUILT INFORMATION
CONTRACTOR SUNDANCE DATE 03
WORK STAKED BY ALS DATE 2/6
INSPECTOR'S FIELD NOTES BY [illegible] DATE 2/6
VERTICAL DATUM BY ALS DATE 03
HORIZONTAL DATUM BY ALS DATE 03
CORRECTED BY ALS DATE 03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°51'7"
G - G = 0.9996721
ELEVATION = 5095.142 (NGVD 29)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 11929 GREGORY J. KRENIK
12-9-02

NO. DATE REMARKS BY
REVISIONS
DESIGNED BY DMG DATE 3-99
DRAWN BY MJR ACH DATE 3-99
CHECKED BY DMG DATE 3-99

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

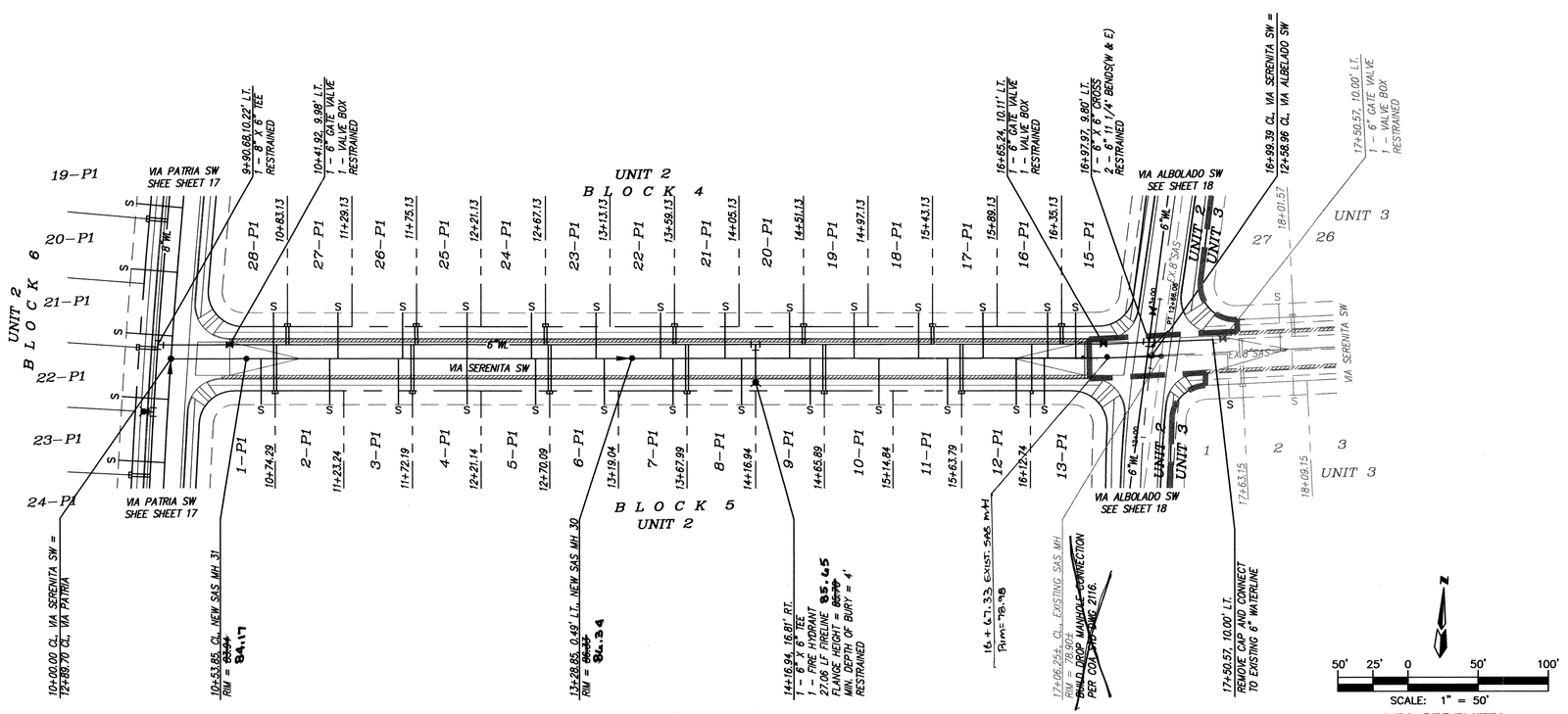
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ENCANTO VILLAGE UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE	APPROVED JAN 16 2003 CITY ENGINEER			

CITY PROJECT NO. 633881 | ZONE MAP NO. L-10-Z | SHEET 14 OF 22

SCANNED BY
MESA REPRO



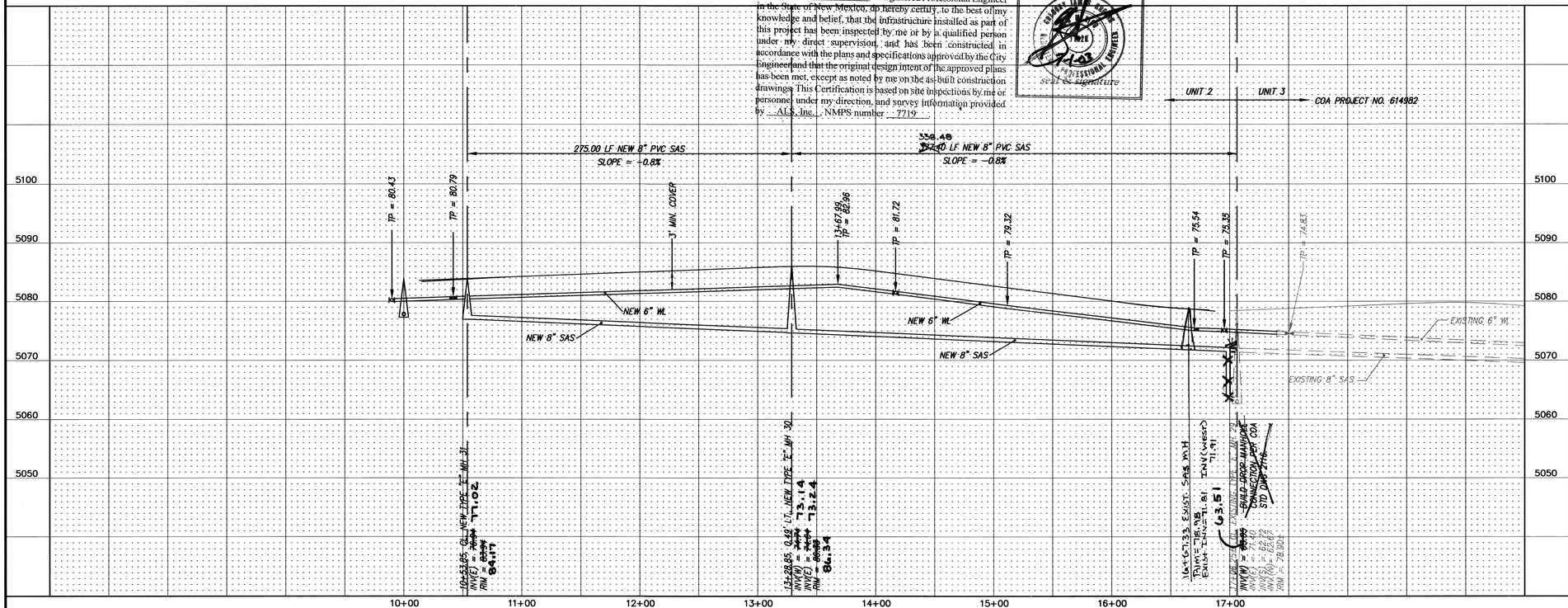
50' 25' 0 50' 100'
SCALE: 1" = 50'

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

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

GREGORY J. KRENIK 11929 REGISTERED PROFESSIONAL ENGINEER
seal & signature
11-03
DATE



8069BSG\UNIT2\2002SAS\9069UT6\12-06-02\ NHE DER

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALVE BOX, SEE DETAIL, SHEET 21.
3. WATER METER, SEE DETAIL, SHEET 21.
4. RISER REQUIRED WHEN INVERT ~~XXXX~~ AT PUE IS GREATER THAN 2'–0" ABOVE MAIN LINE INVERT.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
4	15–P1	16+45.13	74.06	32.48'
4	16–P1	16+25.13	75.38	32.49'
4	17–P1	15+79.13	76.57	32.53'
4	18–P1	15+33.13	75.79	32.58'
4	19–P1	14+87.13	76.98	32.62'
4	20–P1	14+41.13	78.18	32.66'
4	21–P1	13+95.13	79.37	32.70'
4	22–P1	13+49.13	80.03	32.74'
4	23–P1	13+03.13	79.84	32.78'
4	24–P1	12+57.13	79.49	32.83'
4	25–P1	12+11.13	79.13	32.87'
4	26–P1	11+65.13	78.78	32.91'
4	27–P1	11+19.13	78.42	32.95'
4	28–P1	10+73.13	78.80	32.99'
5	1–P1	10+64.29	78.88	33.00'
5	2–P1	11+13.24	78.47	33.04'
5	3–P1	11+62.19	78.75	33.09'
5	4–P1	12+11.14	79.13	33.13'
5	5–P1	12+60.09	79.51	33.18'
5	6–P1	13+09.03	79.89	33.22'
5	7–P1	13+57.99	79.98	33.27'
5	8–P1	14+06.94	79.06	33.31'
5	9–P1	14+55.89	77.79	33.35'
5	10–P1	15+04.84	76.52	33.40
5	11–P1	15+53.79	75.25	33.44'
5	12–P1	16+02.74	75.98	33.49'
5	13–P1	16+22.74	74.26	33.51'

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	–	–	46'
8"	22'	9'	4'	2'	60'

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

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

AS BUILT INFORMATION
CONTRACTOR Sundance DATE 03
WORK STARTED BY AIS DATE 7/02
INSPECTORS ACCEPTANCE BY 24 (CCA) DATE 7/02
FIELD VERIFICATION BY AIS DATE 03
AS BUILTS MADE CORRECTED BY AIS DATE 9/03
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7–K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = –0°11'
C – G = 0.9996792
ELEVATION = 5095.142 (NGVD 29)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES ANGELO LOVATO 11929 REGISTERED PROFESSIONAL ENGINEER
12-4-02

REVISIONS
NO. BY DATE REMARKS
DESIGNED BY DMG DATE 3-99
DRAWN BY MJR, WLV DATE 3-99
CHECKED BY DMG DATE 3-99

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

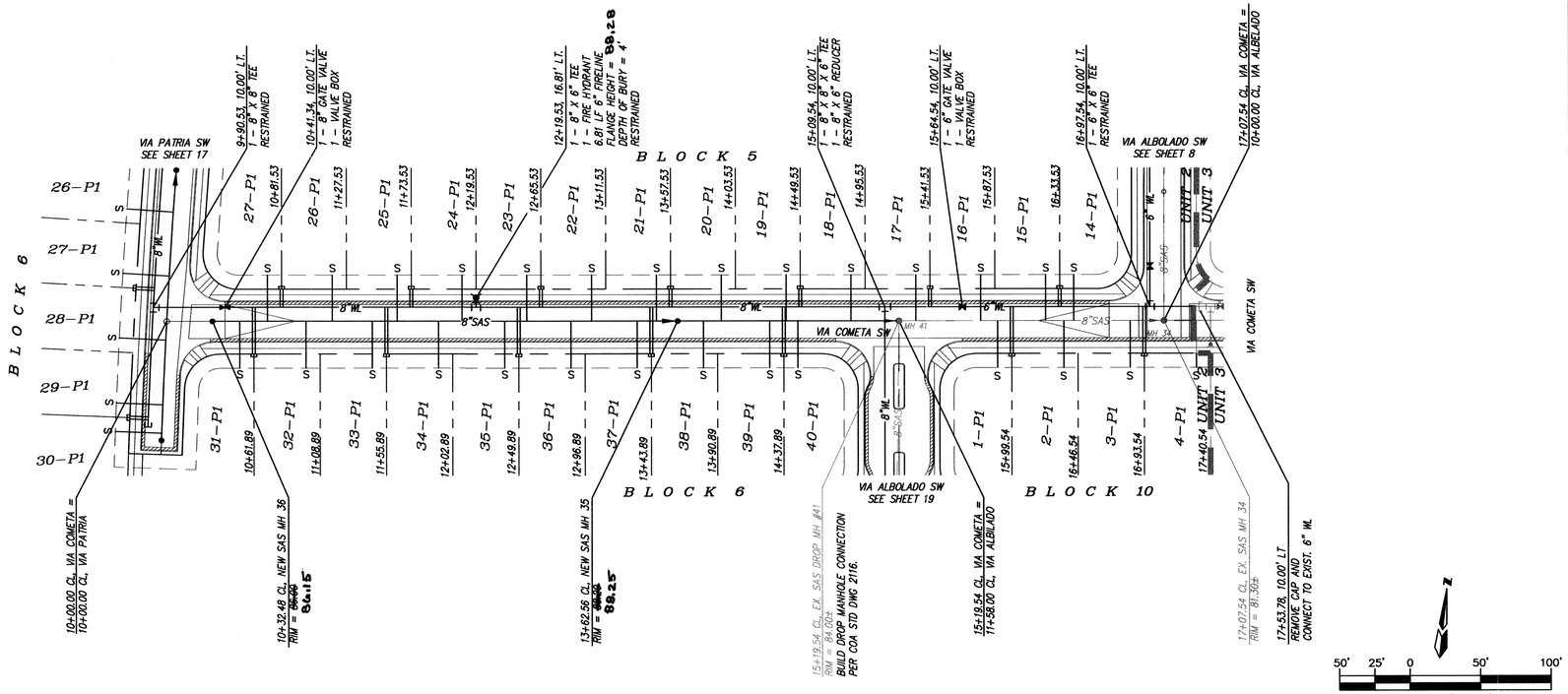
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

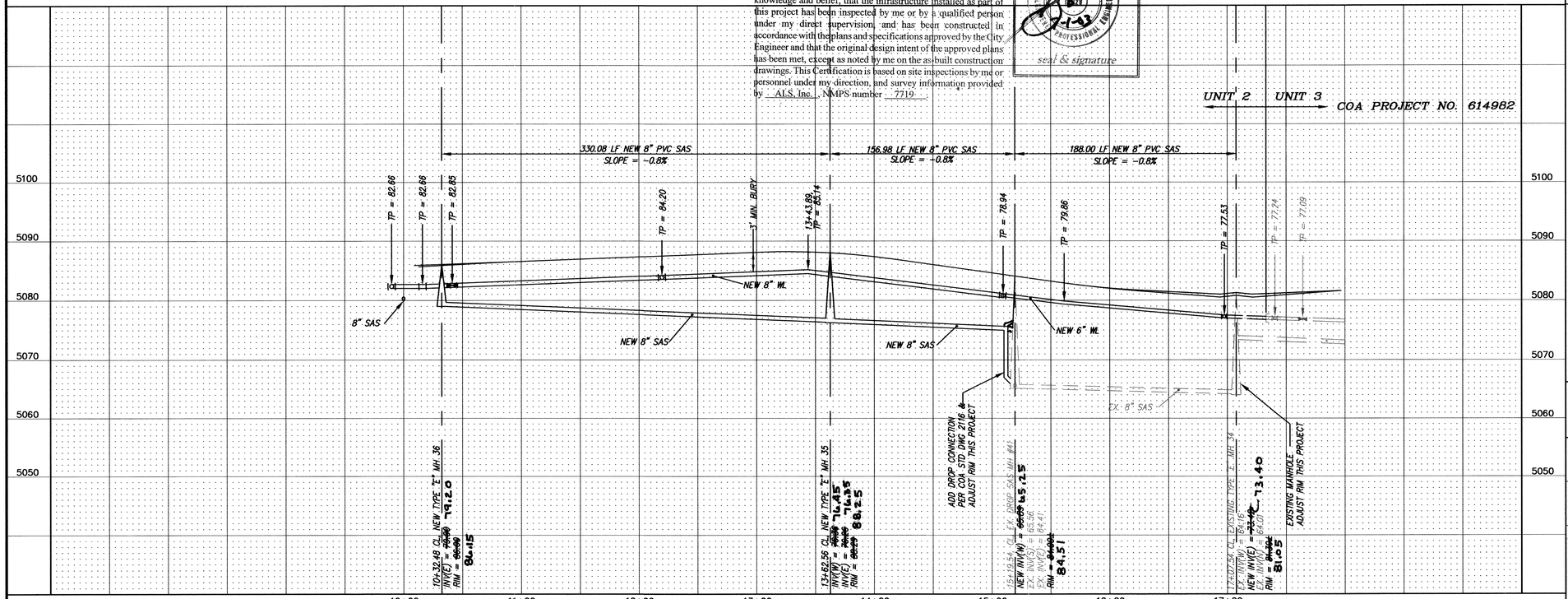
TITLE:
ENCANTO VILLAGE – UNIT 2
UTILITY IMPROVEMENT REVISIONS

DESIGN REVIEW COMMITTEE: AS BUILT, DEC 26 2002, DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED, JAN 16 2003, CITY ENGINEER
LAST DESIGN UPDATE: MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 633881
ZONE MAP NO. L-10-Z
SHEET OF 15 22

SCANNED BY
MESA REPRO





CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

seal & signature

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALVE BOX, SEE DETAIL, SHEET 21.
3. WATER METER, SEE DETAIL, SHEET 21.
4. RISER REQUIRED WHEN INVERT OF STUB AT PUE IS GREATER THAN 2'–0" ABOVE MAIN LINE INVERT.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
6	31–P1	10+51.89	80.86	33.00'
6	32–P1	10+98.89	80.48	33.00'
6	33–P1	11+45.89	80.89	33.00'
6	34–P1	11+92.89	81.25	33.00'
6	35–P1	12+39.89	81.61	33.00'
6	36–P1	12+86.89	81.98	33.00'
6	37–P1	13+33.89	82.18	33.00'
6	38–P1	13+80.89	81.72	33.00'
6	39–P1	14+27.89	80.59	33.00'
6	40–P1	14+47.89	80.03	33.00'
10	1–P1	15+89.54	76.42	33.00'
10	2–P1	16+36.54	76.04	33.00'
10	3–P1	16+83.54	75.65	33.00'
10	4–P1	17+30.54	75.23	33.00'
5	14–P1	16+43.53	75.89	33.00'
5	15–P1	16+23.53	76.15	33.00'
5	16–P1	15+77.53	76.52	33.00'
5	17–P1	15+31.53	77.72	33.00'
5	18–P1	14+85.53	78.99	33.00'
5	19–P1	14+39.53	80.27	33.00'
5	20–P1	13+93.53	81.48	33.00'
5	21–P1	13+47.53	82.12	33.00'
5	22–P1	13+01.53	82.09	33.00'
5	23–P1	12+55.53	81.73	33.00'
5	24–P1	12+09.53	81.38	33.00'
5	25–P1	11+63.53	81.03	33.00'
5	26–P1	11+17.53	80.33	33.00'
5	27–P1	10+71.53	80.70	33.00'

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)

PIPE SIZE	LARGE SIDE	SMALL SIDE
8" X 6"	25'	33'

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	–	–	46'
8"	22'	9'	4'	2'	60'

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

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

AS BUILT INFORMATION
BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7–K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = –0°17'
G – G = 0.9996792 1
ELEVATION = 5095.142 (NGVD 29)

CONTRACTOR Sundance DATE 03
WORK INSPECTED BY ALS DATE 2/03
INSPECTOR'S ACCEPTANCE BY [illegible] DATE 2/03
VERIFICATION BY ALS DATE 03
CORRECTED BY ALS DATE 4/03
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
12-4-02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DMG DATE 3-99	
		DRAWN BY NJR ACH DATE 3-99	
		CHECKED BY DMG DATE 3-99	

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

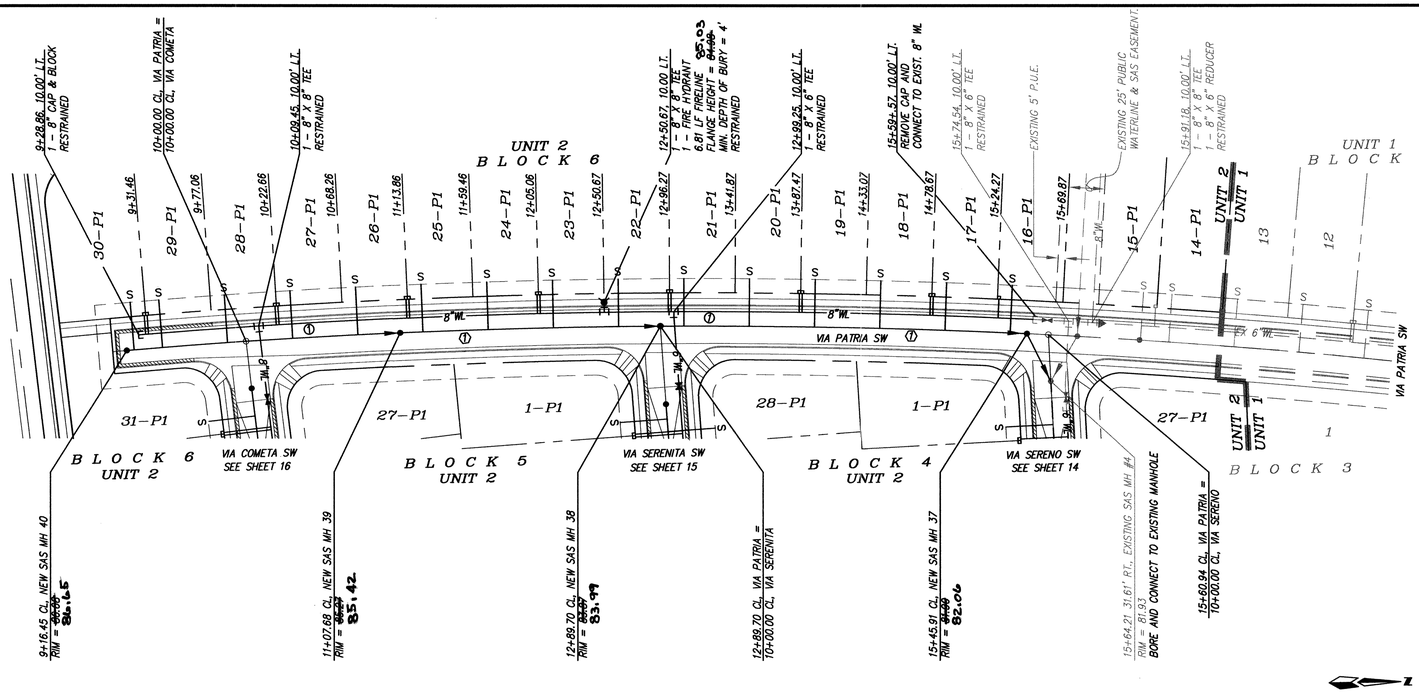
TITLE:
ENCANTO VILLAGE – UNIT 2
UTILITY IMPROVEMENT REVISIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE	APPROVED JAN 16 2003 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
633881	L-10-Z	16	22

8069BSG\UNIT2–2002–SAS\8069UT8\12–06–02 NHE DER

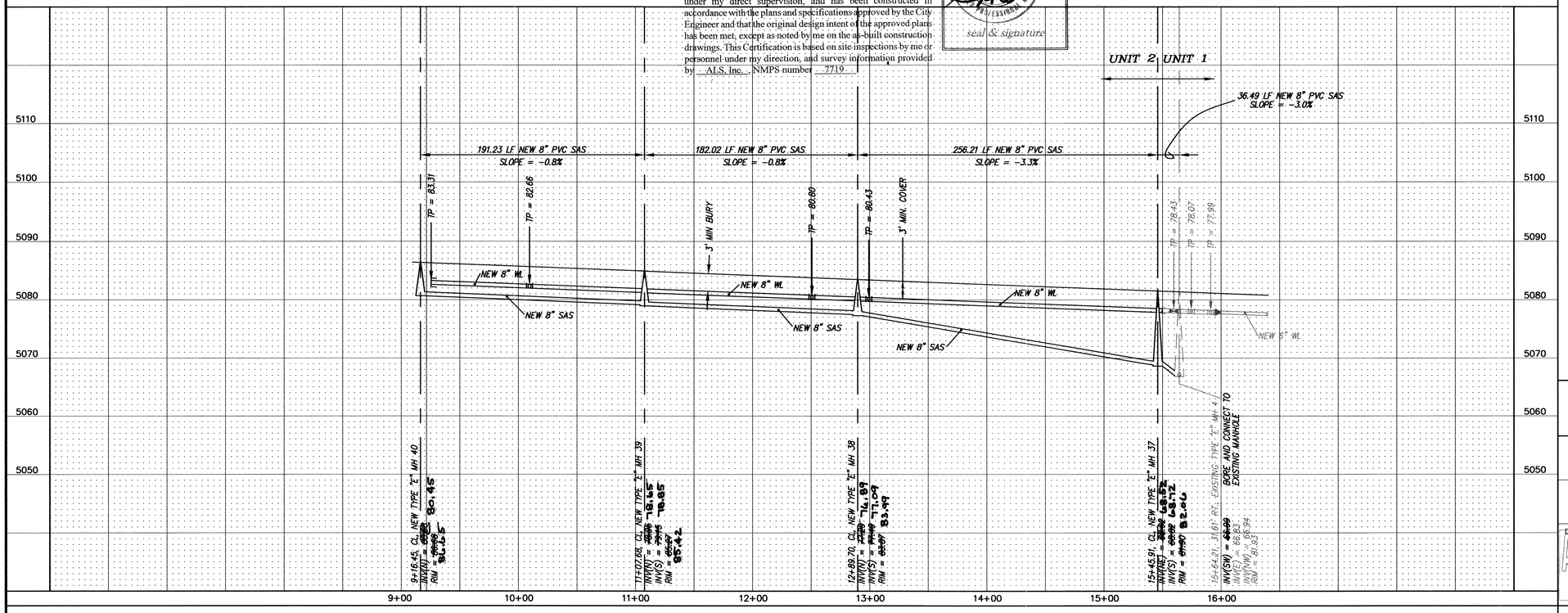
SCANNED BY
MESA REPRO



50' 25' 0 50' 100'

SCALE: 1" = 50'

VIA PATRIA
STA 9+28.86 TO STA. 15+91.18
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

seal & signature

8069BSG\UNIT2\8069UT10\11-15-02\MJR ACH DER

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALVE BOX, SEE DETAIL, SHEET 21.
3. WATER METER, SEE DETAIL, SHEET 21.
4. RISER REQUIRED WHEN INVERT [illegible] AT PUE IS GREATER THAN 2'-0" ABOVE MAIN LINE INVERT.

CURVE DATA – DESCRIBES WATERLINE
9+30.97, 10' LT. – 15+91.18, 10' LT.

① Δ = 07°53'47"
R = 4804.00'
L = 662.09'
T = 331.57'

CURVE DATA – DESCRIBES CENTERLINE SAS
9+16.46 CL. – 15+45.91 CL.

① Δ = 07°31'22"
R = 4794.00'
L = 629.45'
T = 315.18'

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PL	INV. ELEV. AT PL	LENGTH AT PL
6	16–P1	15+34.27	75.62	33.00'
6	17–P1	14+88.67	75.97	33.00'
6	18–P1	14+43.07	76.33	33.00'
6	19–P1	13+97.47	76.68	33.00'
6	20–P1	13+51.87	77.03	33.00'
6	21–P1	13+06.27	78.85	33.00'
6	22–P1	12+60.67	79.96	33.00'
6	23–P1	12+15.06	80.07	33.00'
6	24–P1	11+69.46	80.46	33.00'
6	25–P1	11+23.86	80.84	33.00'
6	26–P1	10+78.16	81.32	33.00'
6	27–P1	10+32.66	81.73	33.00'
6	28–P1	9+87.06	82.11	33.00'
6	29–P1	9+41.46	82.50	33.00'
6	30–P1	9+21.46	82.66	33.00'

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	–	–	46'
8"	22'	9'	4'	2'	60'

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

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)

PIPE SIZE	LARGE SIDE	SMALL SIDE
8" X 6"	25'	33'

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

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

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°17'
G - G = 0.9996782
ELEVATION = 5095.142 (NGVD 29)

AS BUILT INFORMATION
CONTRACTOR Sundance DATE 03
STAKED BY AIS DATE 7/02
INSPECTOR'S SIGNATURE & DATE Ron Patterson 12-23-02
FIELD VERIFICATION BY AIS DATE 03
DRAWINGS MARKED BY AIS DATE 963
CORRECTED BY AIS
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

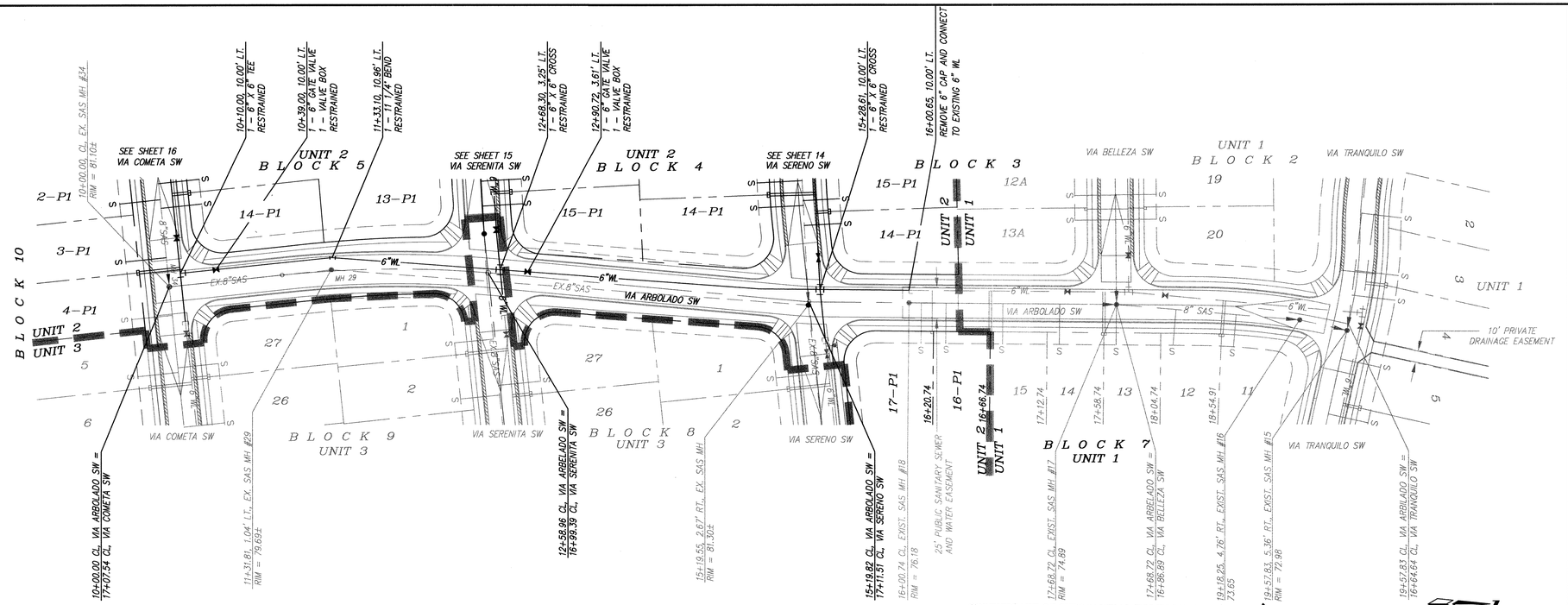
NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DATE 3-99	DESIGNED BY DMG	
	DATE 3-99	DRAWN BY MJR ACH	
	DATE 3-99	CHECKED BY DMG	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ENCANTO VILLAGE - UNIT 2
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 26 2002 DESIGN REVIEW COMMITTEE	APPROVED JAN 16 2003 CITY ENGINEER			

CITY PROJECT NO. 633881 | ZONE MAP NO. L-10-Z | SHEET OF 17 22



SCANNED BY MESA REPRO

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

seal & signature

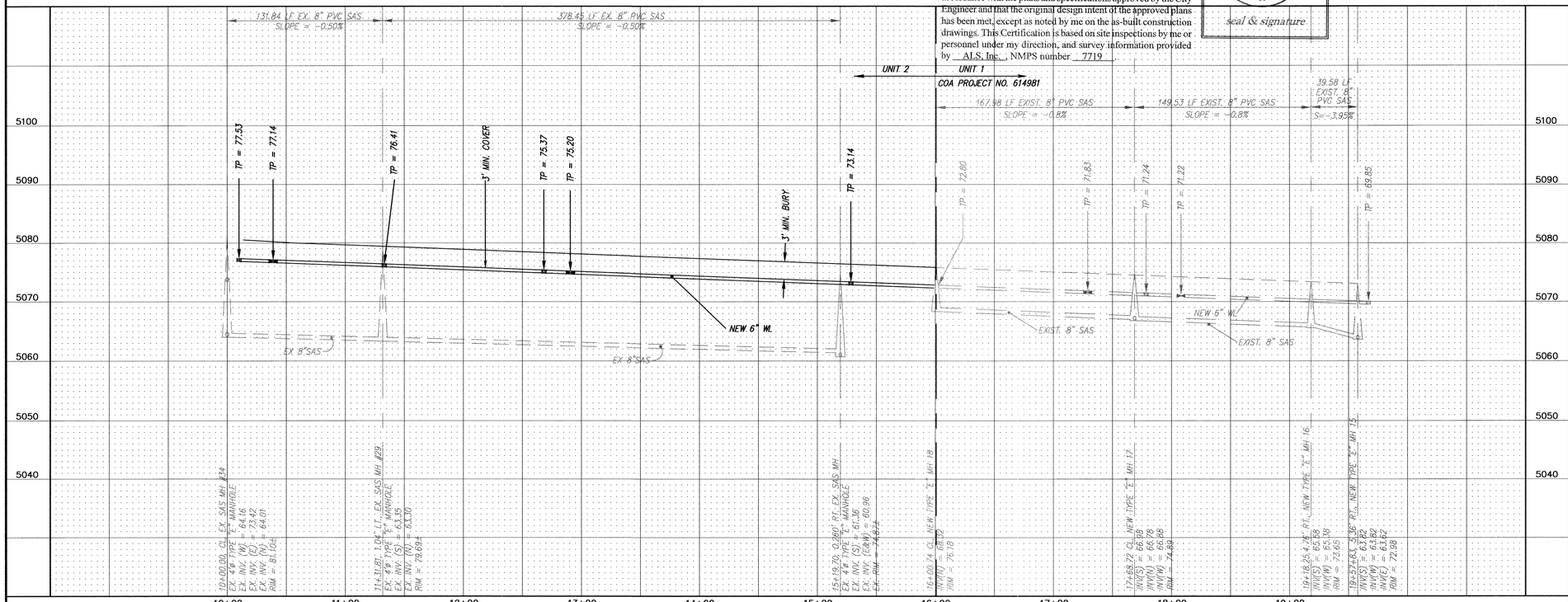
50' 25' 0 50' 100'

SCALE: 1" = 50'

VIA ARBOLADO SW

STA. 10+00.00 TO STA. 19+57.83

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



8069BSG\UNIT2\2002SAS\8069UT12\11-15-02 NHE DER

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALVE BOX, SEE DETAIL, SHEET 21.
3. WATER METER, SEE DETAIL, SHEET 21.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
7	11	18+65.61	68.79'	26.48'
7	12	18+14.74	69.17'	29.43'
7	13	17+68.74	69.53'	33.00'
7	14	17+22.74	69.88'	33.00'
7	15	16+76.74	70.23'	33.00'
7	16–P1	16+30.74	70.59'	33.00'
7	17–P1	16+10.74	70.74'	33.00'

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

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

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

AS BUILT INFORMATION
CONTRACTOR Sundance DATE 03
WORK INSPECTED BY ALS DATE 03
INSPECTOR'S ACCEPTANCE BY Roy Butler DATE 1/03
FIELD VERIFICATION BY ALS DATE 03
DRAWINGS CORRECTED BY ALS DATE 5/03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°17'
C - G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO. BY DATE REMARKS
REVISIONS
DESIGNED BY GJK DATE 4/99
DRAWN BY MJR, WLV DATE 4/99
CHECKED BY DMG DATE 4/99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

ENCANTO VILLAGE - UNIT 2
UTILITY IMPROVEMENT REVISIONS

DESIGN REVIEW COMMITTEE: APPROVED DEC 2 6 2002 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED JAN 1 6 2003 CITY ENGINEER

LAST DESIGN UPDATE: MO./DAY/YR.

MO./DAY/YR.

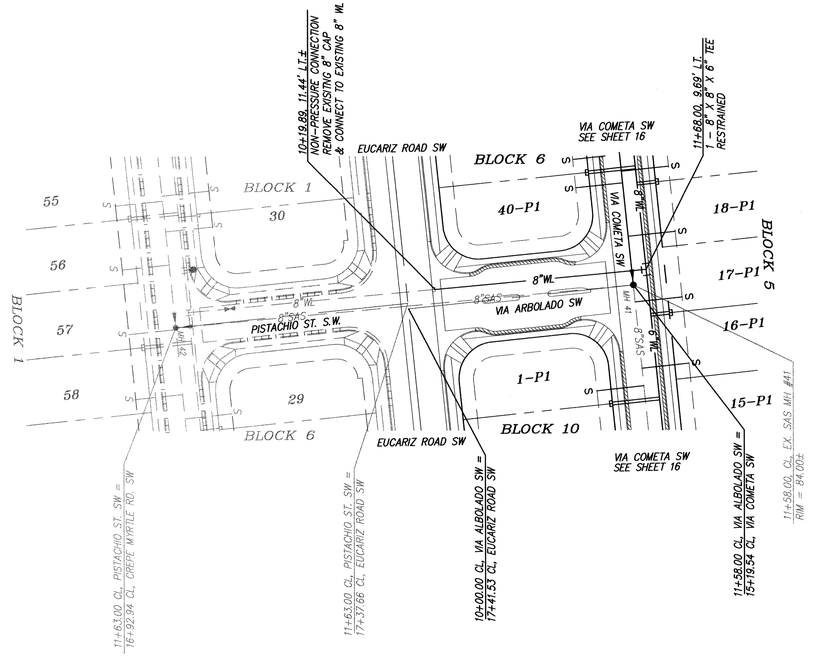
CITY PROJECT NO. 633881

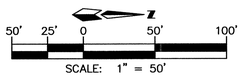
ZONE MAP NO. L-10-Z

SHEET 18 OF 22

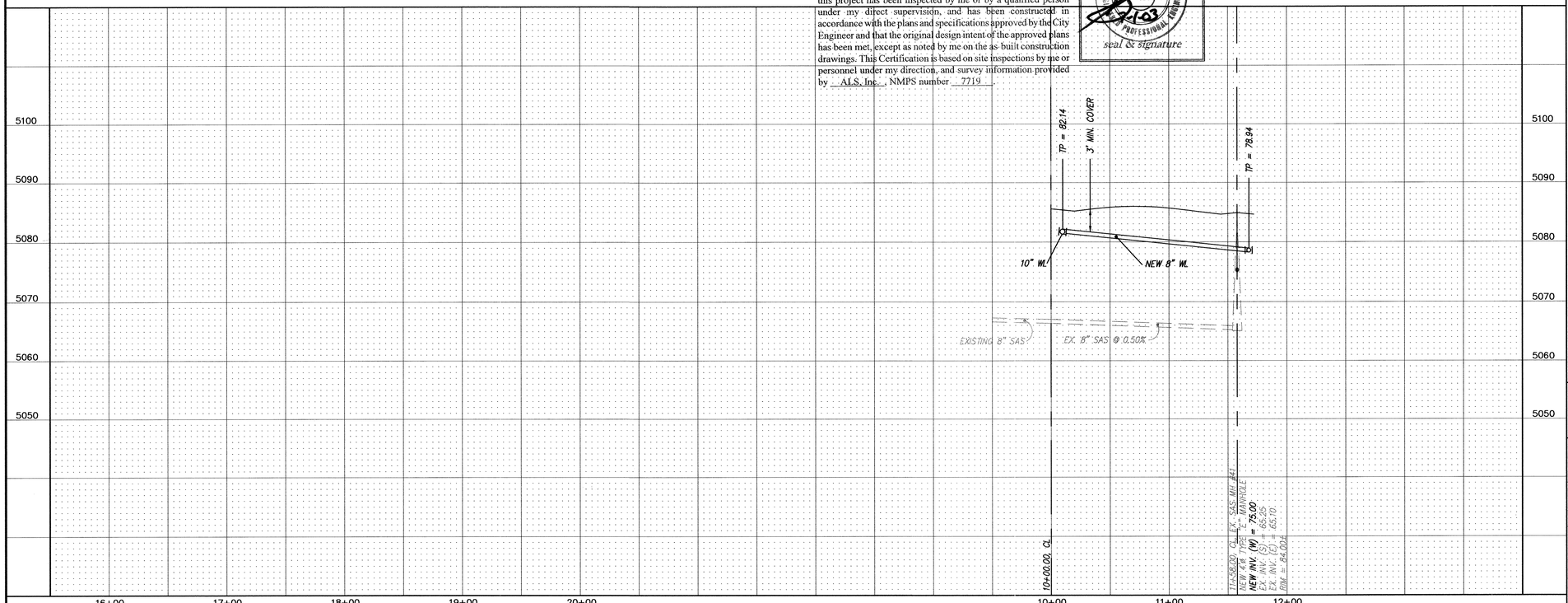
F:\96\DBS\8069BSG\UNIT2\2002SAS\8069ut12.dwg Fri Nov 15 14:34:28 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

SCANNED BY
MESA REPRO





VIA ARBOLADO SW
STA. 10+00.00 TO STA. 11+68.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, of the firm Mark Goodwin & Associates, PA, 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.

GREGORY J. KRENIK 11929 PROFESSIONAL ENGINEER
11-15-02
seal & signature

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALVE BOX, SEE DETAIL, SHEET 21.
3. WATER METER, SEE DETAIL, SHEET 21.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)

PIPE SIZE	LARGE SIDE	SMALL SIDE
10" X 8"	24'	30'
8" X 6"	25'	33'

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	–	–	46'
8"	22'	9'	4'	2'	60'

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

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
8"x8"x10"	13'	5'
8"x8"x8"	13'	3'
8"x8"x6"	7'	5'
6"x6"x6"	10'	2'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 358,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -0°61'7"
G - G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

AS BUILT INFORMATION
CONTRACTOR Sundance DATE 03
WORK STAKED BY ALS DATE 7/03
INSPECTOR'S ACCEPTANCE BY Project Surveyor DATE 7/03
AS-BUILT VERIFICATION BY ALS DATE 03
DRAWINGS CORRECTED BY ALS DATE 4/03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 11929 GREGORY J. KRENIK
11-15-02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		DMG	DATE 3-99
DRAWN BY		M/R, WLV	DATE 3-99
CHECKED BY		DMG	DATE 3-99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ENCANTO VILLAGE - UNIT 2
UTILITY IMPROVEMENT REVISIONS

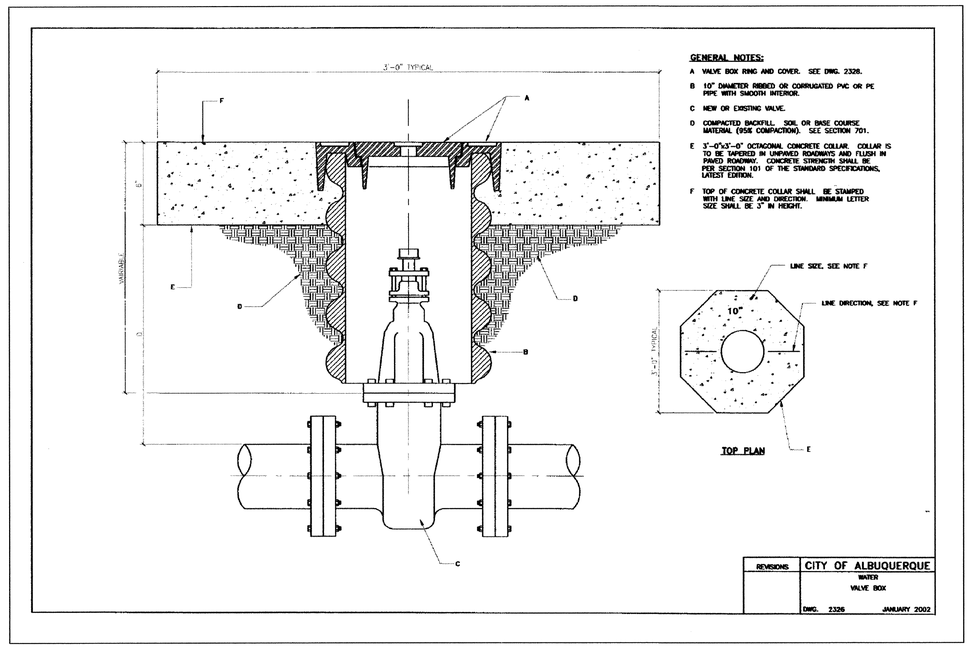
DESIGN REVIEW COMMITTEE: APPROVED DEC 2 6 2002 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED JAN 1 6 2003 CITY ENGINEER
LAST DESIGN UPDATE: MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. 633881
ZONE MAP NO. L-10-Z
SHEET 19 OF 22

8069BSG\UNIT2\2002SAS\8069UT14\11-15-02 NHE DER

F:\8069BSG\8069BSG\UNIT2\2002SAS\8069ut14.dwg Fri Nov 15 11:38:31 2002 D. MARK GOODWIN & ASSOCIATES; PLITED BY: DER

SCANNED BY
MESA REPRO



GENERAL NOTES:

A VALVE BOX RING AND COVER. SEE DWG. 2328.

B 10" DIAMETER RIBBED OR CORRUGATED PVC OR PE PIPE WITH SMOOTH INTERIOR.

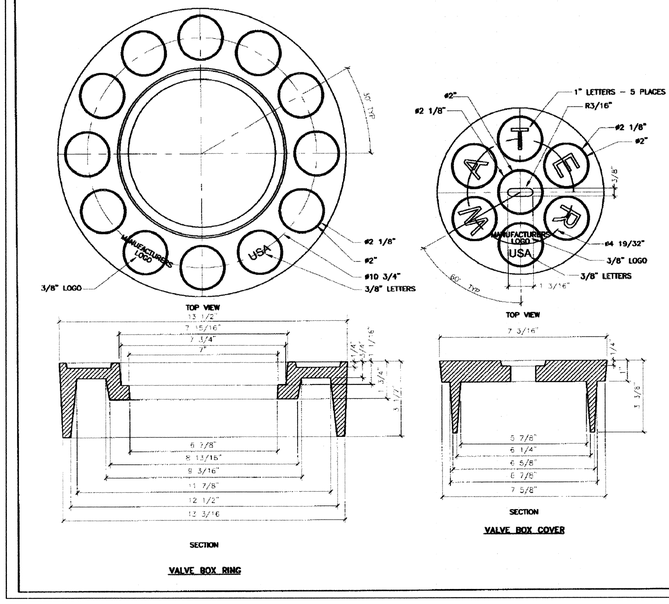
C NEW OR EXISTING VALVE.

D COMPACTED BACKFILL. SOIL OR BASE COURSE MATERIAL (95% COMPACTION). SEE SECTION 701.

E 3'-0"x3'-0" OCTAGONAL CONCRETE COLLAR. COLLAR IS TO BE TAPERED IN UNPAVED ROADWAYS AND FLUSH IN PAVED ROADWAY. CONCRETE STRENGTH SHALL BE PER SECTION 101 OF THE STANDARD SPECIFICATIONS, LATEST EDITION.

F TOP OF CONCRETE COLLAR SHALL BE STAMPED WITH LINE SIZE AND DIRECTION. MINIMUM LETTER SIZE SHALL BE 3" IN HEIGHT.

REVISIONS	CITY OF ALBUQUERQUE WATER VALVE BOX
	DWG. 2326 JANUARY 2002



GENERAL NOTES - RING

1 ALBUQUERQUE VALVE BOX RING DESIGNED TO ACCEPT AN ALBUQUERQUE VALVE BOX COVER.

2 THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.

3 FILLETS SHALL BE 1/4"R UNLESS OTHERWISE SPECIFIED.

4 A DRAFT ANGLE OF 3°-5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.

5 FINISH: REMOVE EXCESS IRON AND FINS.

6 THIS DETAIL DOES NOT APPLY FOR VALVE BOX RING AND COVER TO BE USED ON REUSE OR NON-POTABLE WATER SYSTEMS.

GENERAL NOTES - COVER

1 ALBUQUERQUE VALVE BOX COVER DESIGNED TO FIT INTO AN ALBUQUERQUE VALVE BOX RING.

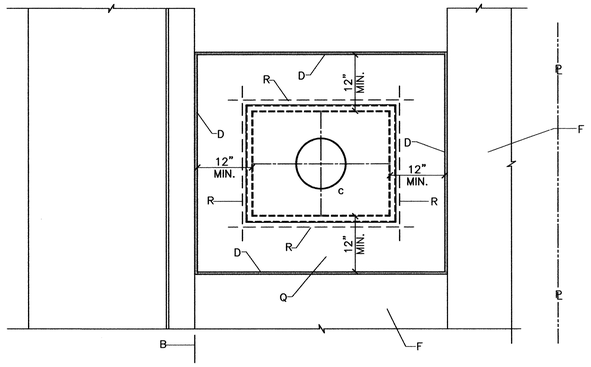
2 THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.

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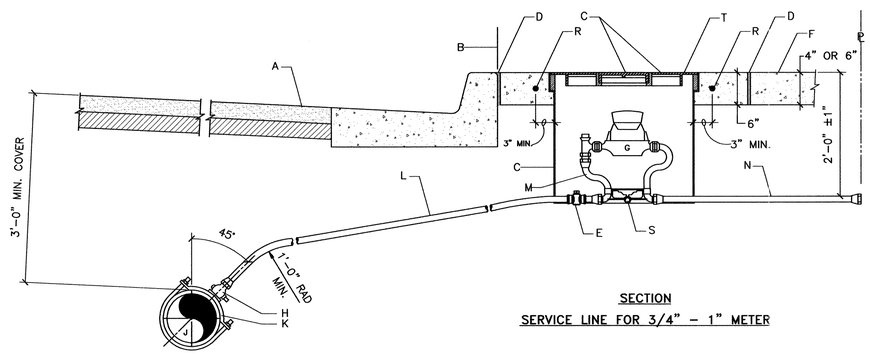
4 A DRAFT ANGLE OF 3°-5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.

5 FINISH: REMOVE EXCESS IRON AND FINS.

REVISIONS	CITY OF ALBUQUERQUE WATER RING AND COVER FOR VALVE BOX
	DWG. 2328 JANUARY 2002



SEE DWG. 2361 FOR TYPICAL INSTALLATIONS



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.

98jobs\8068BSG\UNIT2\8069wd.dwg\DER\11-15-02

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FIELD NOTES
NO. | BY | DATE

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DRAWINGS CORRECTED BY A15 DATE 4/03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

C.O.A. STANDARD

NO.	DATE	REMARKS REVISIONS	BY
		DESIGN	
	10/02	DESIGNED BY	GJK
	10/02	DRAWN BY	DER
	10/02	CHECKED BY	DMG

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *ENCANTO VILLAGE - UNIT 2*
WATER DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
C.O.A. STANDARD	C.O.A. STANDARD			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
633881	L-10-Z	20	22

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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 SEPERATE 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.

⚠1 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.

⚠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.

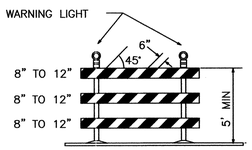
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

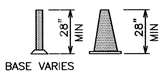
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

⚠4 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.

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

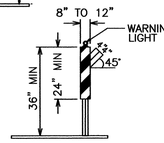


TYPE III BARRICADE

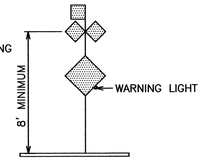


BASE VARIES

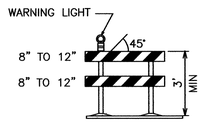
CONES



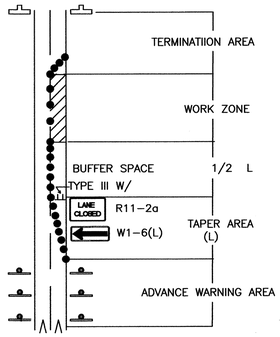
VERTICAL PANEL



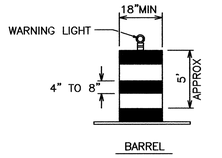
HIGH LEVEL WARNING DEVICE



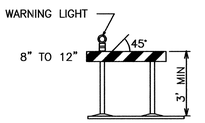
TYPE II BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS



BARREL



TYPE I BARRICADE COLLAPSIBLE

LEGEND

- WORK AREA
- BARRICADE – TYPE I, TYPE II, OR BARREL
- BARRICADE – TYPE III
- 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 STREET LIMIT OF THE STREET
- L — TAPER LENGTH – SEE CHART BELOW

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

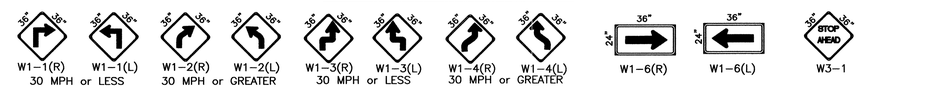
TAPER REQUIREMENT

SPEED LIMIT (MPH)	TAPER LENGTH(L) (FEET) 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

SIGN FACE DETAILS



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

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 $L = \frac{WS^2}{60}$

40 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

SCANNED BY MESA REPRO

F:\98JOBS\8069BSS\UNIT2\8096ct1.dwg Fri Nov 15 11:43:29 2002 D. MARK GOODWIN & ASSOCIATES; PLOTTED BY: DER

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CITYSIGN.DWG 6-11-97

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G - G = 0.9996792
ELEVATION = 5095.142 (NGVD 29)

CONTRACTOR Sundance DATE 03
STAKED BY AIS DATE
INSPECTOR'S NOTATIONS BY FIELD VERIFICATION BY AIS DATE 03
DRAWINGS CORRECTED BY AIS DATE 1963

SURVEY INFORMATION
FIELD NOTES

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

REVISIONS

MICRO-FILM INFORMATION
RECORDED BY
NO.

DESIGN
DESIGNED BY BOHANNAN HUSTON DATE 5-97
DRAWN BY BOHANNAN HUSTON DATE 5-97
CHECKED BY BOHANNAN HUSTON DATE 5-97

ENGINEER'S SEAL

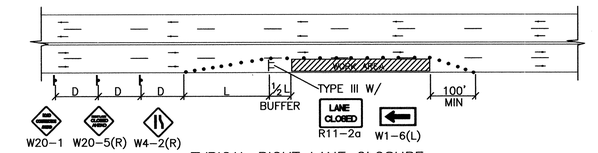
C.O.A. STANDARD

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

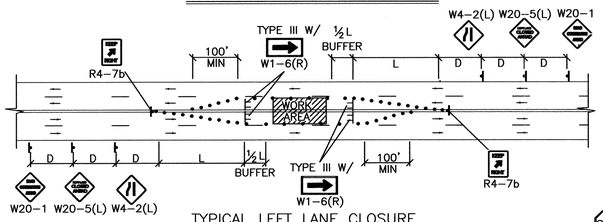
TITLE: ENCANTO VILLAGE - UNIT2
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
C.O.A. STANDARD	C.O.A. STANDARD			

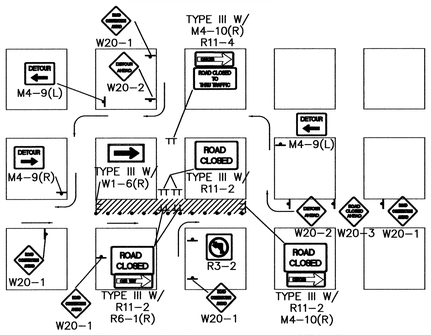
CITY PROJECT NO. 633881 | ZONE MAP NO. L-10-Z | SHEET 21 OF 22



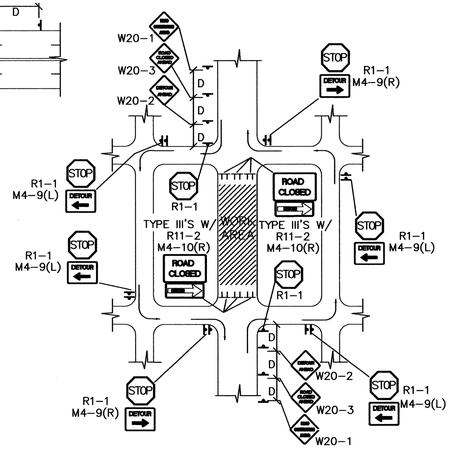
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE



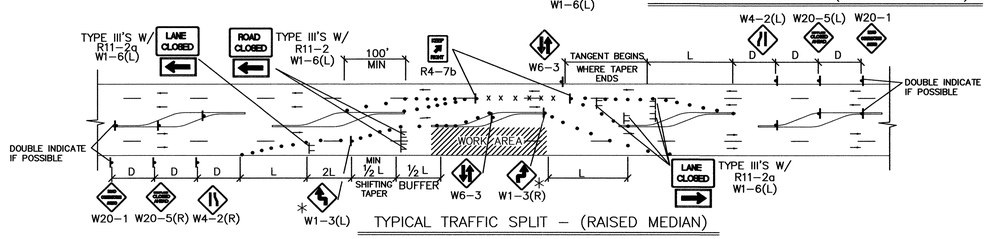
TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

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

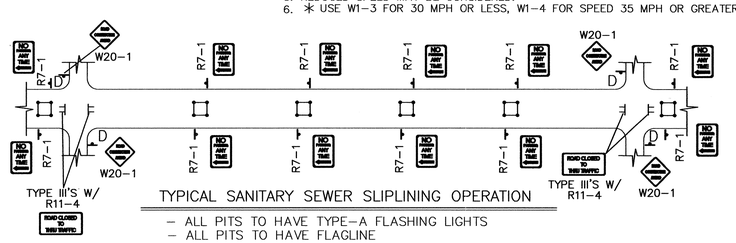
TYPICAL TRAFFIC SPLIT–(PAINTED MEDIAN)



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 THE 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

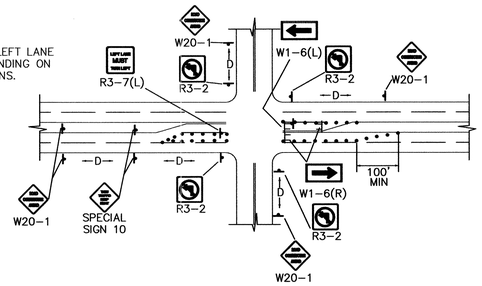
- ALL PITS TO HAVE TYPE–A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

GENERAL NOTE:

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

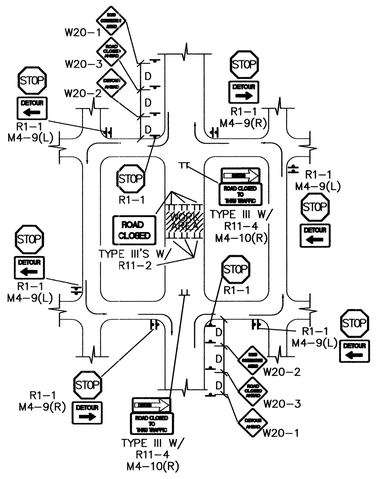
⚠ ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

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



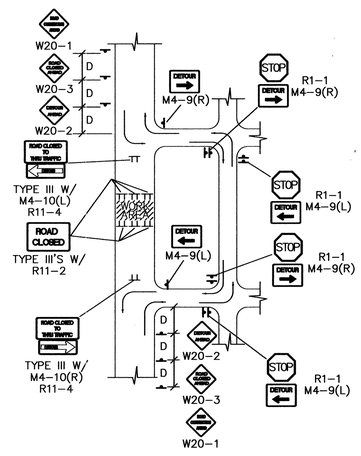
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



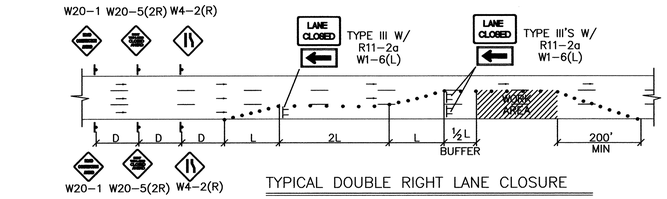
TYPICAL MID–BLOCK CLOSURE

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

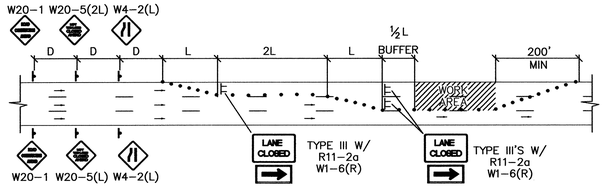


TYPICAL STREET CLOSURE

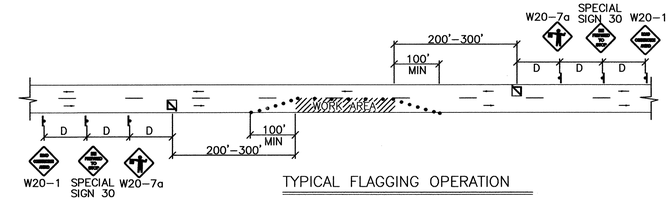
NOTE: (R1–1) BASED ON FIELD CONDITIONS.



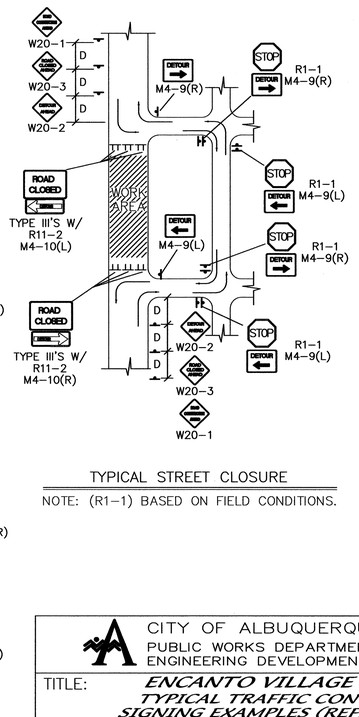
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

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

SCANNED BY MESA REPRO

F:\98JOBS\60698SG\UNIT2\60691c2.dwg Fri Nov 15 11:44:08 2002 D. MARK GOODWIN & ASSOCIATES; PLOTTED BY: DER

F:\98JOBS\60698SG\UNIT2\60691c2.dwg

CITYTRAF.DWG 6-11-97

SURVEY INFORMATION

BENCH MARKS

CITY OF ALBUQUERQUE ACS MONUMENT "7–K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 368,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = –0°51'7"
G – G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

AS–BUILT INFORMATION

CONTRACTOR Sundance DATE
WORK STAKED BY AIS DATE 03
AS–BUILTED BY DATE
FIELD VERIFICATION BY AIS DATE 03
DRAWINGS CORRECTED BY AIS DATE 1963
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

FIELD NOTES

NO.	BY	DATE

NO.	DATE	REMARKS	BY
1	9/24/97	REVISED GENERAL NOTE	J.D.L.
		REVISIONS	
		DESIGN	
		DESIGNED BY BOHANNAN HUSTON	DATE 5–97
		DRAWN BY BOHANNAN HUSTON	DATE 5–97
		CHECKED BY BOHANNAN HUSTON	DATE 5–97

ENGINEER'S SEAL

C.O.A. STANDARD

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

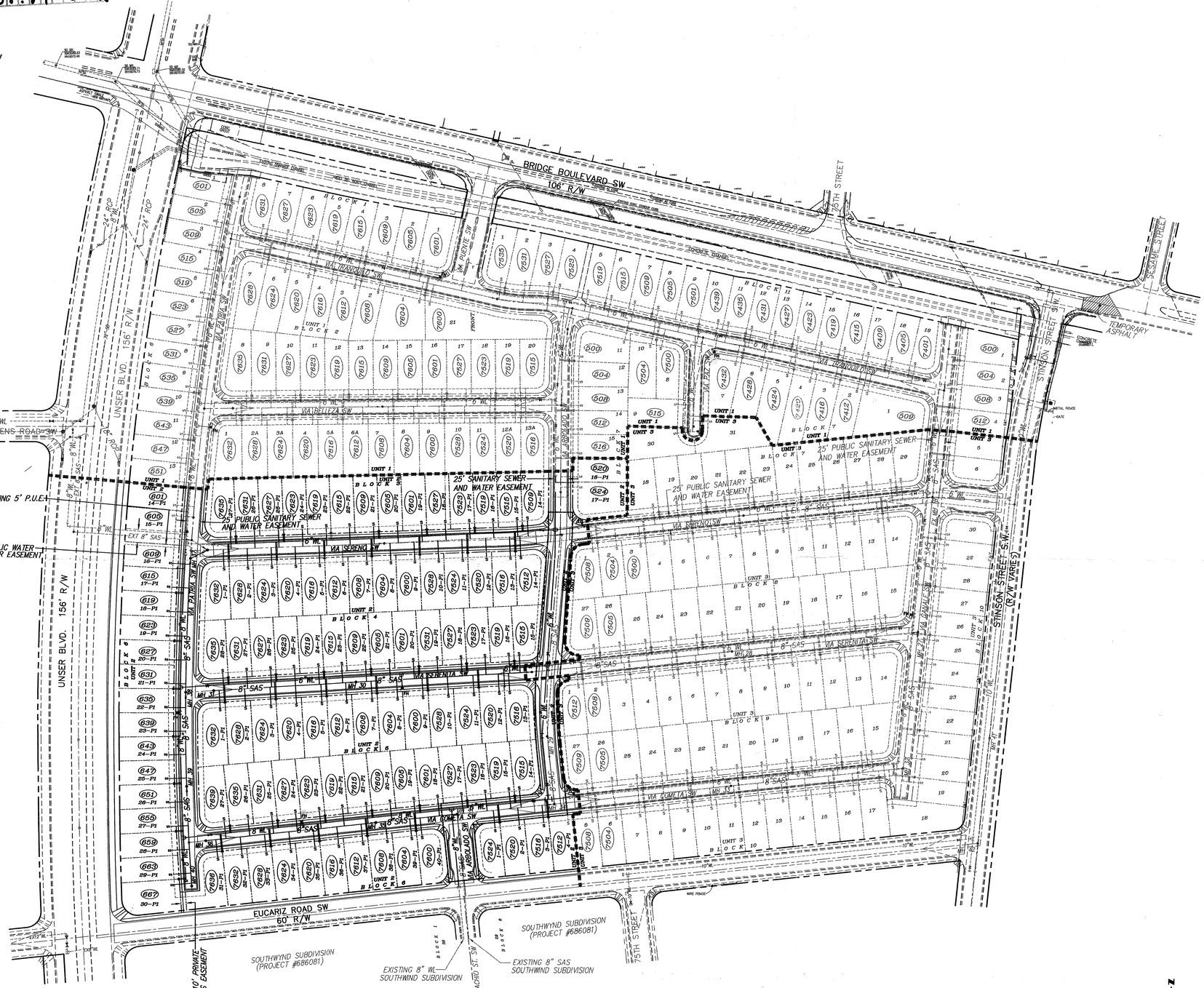
TITLE: ENCANTO VILLAGE – UNIT 2
TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES (REF. M.U.T.C.D.)

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
C.O.A. STANDARD	C.O.A. STANDARD			

CITY PROJECT NO. 633881 | ZONE MAP NO. L-10-Z | SHEET 22 OF 22

26-6338.811-2002

SCANNED BY PLANNING



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. SEE SHEET 21 FOR WATER DETAILS

WATER SHUT-OFF PLAN

1. ALL CONNECTIONS ARE MADE TO EXISTING STUBS WITH EXISTING VALVES.

LEGEND

- 8"WL — PROPOSED WATERLINE
- PROPOSED GATE VALVE
- FH — PROPOSED FIRE HYDRANT
- PROPSED SINGLE WATER METER & SERVICE
- PROPOSED DOUBLE WATER METER & SERVICE
- 8"SAS — PROPOSED SANITARY SEWER
- PROPOSED SAS MANHOLE
- PROPOSED SAS SERVICE
- (7400) PROPOSED ADDRESS

AS BUILT INFORMATION

BENCH MARKS
CITY OF ALBUQUERQUE ACS MONUMENT "7-K10"
NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE
X = 356,716.71, Y = 1,483,676.54 (NAD 27)
DELTA ALPHA = -05°17"
C - G = 0.99967921
ELEVATION = 5095.142 (NGVD 29)

CONTRACTOR
WORK STAKED BY — DATE
INSPECTION OF ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY G/K — DATE 4/99
DRAWN BY WLV, MJR, KJS — DATE 4/99
CHECKED BY DMG — DATE 4/99

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ENCANTO VILLAGE - UNIT 2
MASTER UTILITY PLAN

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

CITY PROJECT NO. 633881 | ZONE MAP NO. L-10-Z | SHEET 13 OF 22

PLANS CHECKING
924-3611
APPROVED/DISAPPROVED
HYDRANT(S) ONLY
SIGNATURE & DATE 11/19/02

N

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

8069BSG\UNIT2\2002SAS\8069MUTL\11-15-02 NHE DER

F:\98JOBS\8069BSG\UNIT2\2002SAS\8069mu1.dwg Fri Nov 15 11:25:07 2002 D. MARK GOODWIN & ASSOCIATES; PLTTED BY: DER