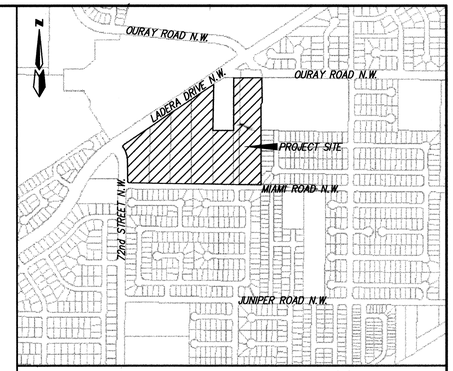
SCANNED BY
MESA REPRO

CONSTRUCTION PLANS

FOR

LADERA VISTA SUBDIVISION

ALBUQUERQUE, NEW MEXICO



VICINITY MAP ZONE ATLAS: H-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 #5.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (768-2551) 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 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 CITY ENGINEER.
- [x] SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- [x] 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.

SURVEYOR'S CERTIFICATE

I, THOMAS W. PATRICK, A DULY QUALIFIED LICENSED PROFESSIONAL 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 (UNLESS OTHERWISE NOTED) WAS ADDED BY ME, OR BY UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. COMMUNITY SCIENCES CORPORATION IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING AND/OR INTENT OF THE RECORD DRAWINGS.

THOMAS W. PATRICK
NEW MEXICO PROFESSIONAL SURVEYOR No. 12651

THOMAS W. PATRICK NEW MEXICO 12651 LICENSED PROFESSIONAL SURVEYOR

2.04.2003
DATE

ADDITIONAL AS-BUILT DATA 2.13.2004 TWP

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences., NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 LICENSED PROFESSIONAL ENGINEER 7/3/03

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2-4	PLAT
5	GRADING & DRAINAGE PLAN
6	MASTER PAVING PLAN
7-11	PAVING IMPROVEMENTS
12-14	OFF-SITE PAVING IMPROVEMENTS
15	OFF-SITE STRIPING PLAN
16	OFF-SITE TRAFFIC SIGNAL PLAN
17	MASTER UTILITY PLAN
18-22	UTILITY IMPROVEMENTS
23	STORM SEWER IMPROVEMENTS
24-29	OFF-SITE TRAFFIC SIGNAL DETAILS
30-31	TRAFFIC CONTROL PLANS

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

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 9/4/03

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6913.81 0104

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

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE
AMY L. DRISCOLL NEW MEXICO 15334 LICENSED PROFESSIONAL ENGINEER 7/30/03 REVISED 9/13/03	DRC CHAIRMAN		9-17-02
	TRANSPORTATION		9/16/02
	WATER/WASTEWATER		8/12/02
	HYDROLOGY		9/11/02
	CIP		
	CONSTR. MNGMT.		
	CONSTR. COORD.		9-17-02

APPROVED FOR CONSTRUCTION

9/24/02
CITY ENGINEER DATE

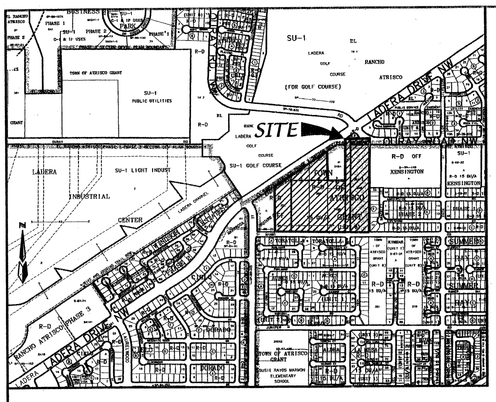
DRB NO. 1001496

CITY PROJECT NO. 691381

SHEET OF 1 31

F:\A01JOBS\A1096LVN\plans\A1096vr.DWG Tue Jul 30 15:45:21 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY:

A01jobs\A1096LVN\plans\A1096cur.dwg\07-30-02\DEP



LOCATION MAP

ZONE ATLAS H-10-Z

SCALE: NONE

SUBDIVISION DATA

Plat Case No's.	Project #	1001496
	Case #	02DRB-00373
		02DRB-00374
Gross acreage		19.3999 AC
Zone Atlas No.		H-10-Z
No. of existing Tracts/Lots		2 TRACTS
No. of Tracts/Lots created		0 TRACTS 132 LOTS
No. of Tracts/Lots eliminated		2 TRACTS
Miles of full width streets created		0.87
Area dedicated to the City of Albuquerque		5.0269 AC
Date of Survey		AUGUST, 2001
Utility Control Location System Log Number		200211700
Zoning		R-D

LEGAL DESCRIPTION

(SEE SHEET 2)

NOTES

(SEE SHEET 2) .

PURPOSE OF PLAT

1. Subdivide two tracts into 132 residential Lots.
2. Grant easements as shown hereon
3. Dedicated Right-of-way as shown hereon

SCANNED BY MESA REPRO

PLAT FOR

LADERA VISTA SUBDIVISION

WITHIN THE TOWN OF ATRISCO GRANT
PROJECTED SECTION 10
TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERUQUE
BERNALILLO COUNTY, NEW MEXICO
JUNE, 2002

APPROVED AND ACCEPTED BY:

APPROVAL AND CONDITIONAL ACCEPTANCE as specified by the Albuquerque subdivision Ordinance, Chapter 14 Article 14 of the Revised Ordinances of Albuquerque, New Mexico, 1994.

Subdivision Case No. _____

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

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

Albuquerque Metropolitan Arroyo Flood Control Authority — Date

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

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

Parks and Recreation — Date

City Surveyor, City of Albuquerque, N.M. — 6-27-02 Date

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

PNM Gas — Date

PNM Electric — Date

Qwest Telecommunications — Date

Comcast Cable — Date

FREE CONSENT AND DEDICATION:

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

OWNER: STV Investments II, LLC,
BY: Tim McNaney, Managing Member

Tim McNaney, Managing Member — 6/17/02 DATE

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO
525-45-9486 SS
COUNTY OF BERNALILLO

This instrument was acknowledged before me on June 6/17/02
By Tim McNaney, Managing Member of STV Investments II, LLC, A New Mexico Corporation on behalf of said corporation

OFFICIAL SEAL
BERNADETTE MARES
NOTARY PUBLIC-STATE OF NEW MEXICO
My Commission Expires 12/19/05 TM 6/17/02

NOTARY PUBLIC — MY COMMISSION EXPIRES

OWNER: IFS Financial Management, LC
BY: John Jenkins, Manager Member

John Jenkins, Manager Member — 6-21-02 DATE

OWNER'S ACKNOWLEDGMENT

STATE OF TEXAS
COUNTY OF Dallas SS

This instrument was acknowledged before me on June 21, 2002
By John Jenkins, Manager Member, of IFS Financial Management, LC A Texas Company on behalf of said Company

PATRICIA JEANNE BOGARD
NOTARY PUBLIC
State of Texas
Comm. Exp. 04-16-2003

NOTARY PUBLIC — MY COMMISSION EXPIRES

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me or under my supervision, shows all easements as shown on the plat of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico, and is true and correct to the best of my knowledge and belief."

Timothy Aldrich P.S. No. 7719 — 06-26-02 Date

Dwg: BASE.dwg	Drawn: RICHARD	Checked: ALS	Sheet 1 of 6
Scale: N/A	Date: 06/14/02	Job: A01096	

PLAT FOR

LADERA VISTA SUBDIVISION

WITHIN THE TOWN OF ATRISCO GRANT
PROJECTED SECTION 10
TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MAY, 2002

DESCRIPTION

A tract of land situate within the Town of Atrisco Grant, projected Section 10, Township 10 North, Range 2 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico being all of Tracts 348-A and 348-B, TOWN OF ATRISCO GRANT, UNIT 8 as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on May 30, 2002 in Book 2002C, Page 193 and containing 19.3999 acres more or less.

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
2. Bearings and distances in parenthesis are record.
3. Basis of boundary are the following plats of record entitled:

"TRACT 348-A AND 348-B TOWN OF ATRISCO GRANT, UNIT NO. 8", (05-30-02, 2002C-193)

"TOWN OF ATRISCO GRANT, UNIT NO. 8", (12-05-44, D-117)

"TOWN OF ATRISCO GRANT, UNIT 8", (08-11-76, B11-168)

"TOWN OF ATRISCO GRANT, UNIT 8", (10-06-82, C20-61)

"TORATOLLA ACRES, UNIT ONE", (10-06-94, 94C-336)

"TORATOLLA ACRES, UNIT TWO", (07-26-95, 95C-274)

"MARIPOSA SQUARE", (06-08-89, C39-72)

"KENSINGTON SUBDIVISION, PHASE 2", (11-23-99, 99C-319)

all being records of Bernalillo County, New Mexico.

4. Field Survey performed August, 2001.
5. These tracts are affected by a RIGHT-OF-WAY EASEMENT to American Telephone and Telegraph Company, recorded in Book 112, Page 290 on May 17, 1930 said easement amended by a MODIFICATION EASEMENT, dated January 31, 1973, recorded in Book Misc. 298, Page 635 on February 13, 1973 said easement assigned to the Mountain States Telephone and Telegraph Company by ASSIGNMENT recorded in Book Misc. 575, Page 928 on December 13, 1977, all being records of Bernalillo County, New Mexico.
6. Title Report: None provided.

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

1. The PNM Electric Services Division for the installation, maintenance and service of overhead and underground electrical lines, transformers, poles and any other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical services.
2. The PNM Gas Services Division for installation, maintenance and services of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.
3. Qwest for installation, maintenance and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and closures.
4. Comcast cable for installation, maintenance and service of such lines, cable and other related equipment and facilities reasonably necessary to provide Cable TV service. Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate and maintain facilities for the purposes described above, together with free access to, from and over said easement, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (above ground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electrical Safety Code caused by construction of pools, decking or any structures adjacent to within or near easements shown on this plat.

In approving this plat, the utility companies did not conduct a Title Search of the properties shown hereon. Consequently, the utility companies do not waive or release any easement or easement rights which may have been granted by prior plat, replat or other document and which are not shown on this plat. Easements for electric transformers/switchgears, as installed, shall extend ten feet (10') in front of transformer/switchgear doors and five feet (5') on each side.

06-26-02

26 69131811 0204

DRC #69138I

SHEET 2 OF 31

Dwg: BASE.dwg	Drawn: RICHARD	Checked: ALS	Sheet 2 of 6
Scale: 1"=1'	Date: 06/14/02	Job: A01096	

PLAT FOR

LADERA VISTA SUBDIVISION

WITHIN THE TOWN OF ATRISCO GRANT
PROJECTED SECTION 10
TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JUNE, 2002

SCANNED BY MESA REPRO

OURAY ROAD N.W. (86' R/W)

OURAY ROAD (EXIST 80' ROW)

EL RANCHO ATRISCO REMAINDER TRACT 3 (07-11-77, D7-187)

68TH STREET N.W. (EXIST. 30' R/W)

TOWN OF ATRISCO GRANT UNIT NO. 8 TRACT 349-A (08-11-76, B11-168)

KENSINGTON SUBDIVISION PHASE 4 (03-14-02, 2002C-88)

KENSINGTON SUBDIVISION PHASE 2 (11-23-99, 99C-319)

BLOCK F

BLOCK C

ACS MONUMENT "11-H11" Y=1495852.97 X=364763.84 Elev.=5098.720 Δα=-00°15'36" CENTRAL ZONE (NAD 1927/SLD 1929) ELEVATION=5098.51

Ⓐ EXST. PRIVATE DRAINAGE EASEMENT FOR THE BENEFIT OF THE OWNER OF TRACT 348-B TO BE MAINTAINED BY THE OWNERS OF TRACT 348-A AND 349-A (05-30-02, 2002C-193)

Ⓑ EXST. PRIVATE DRAINAGE EASEMENT FOR THE BENEFIT OF THE OWNER OF TRACT 349-A TO BE MAINTAINED BY THE OWNERS OF TRACT 349-A (05-30-02, 2002C-193)

Ⓒ EXST. PRIVATE DRAINAGE EASEMENT FOR THE BENEFIT OF THE OWNER OF TRACT 348-B AND 349-A TO BE MAINTAINED BY THE OWNERS OF TRACT 348-A, 348-B, AND 349-A (05-30-02, 2002C-193)

Ⓓ EXST 20' PUBLIC DRAINAGE EASEMENT (03/14/02, 2002C-88)

SCALE: 1" = 100'

Dwg:	BASE.dwg	Drawn:	STEPHEN	Checked:	ALS	Sheet 3 of 6
Scale:	1"=1"	Date:	06/20/02	Job:	A01096	

S89°23'27"E 239.95'

S00°39'28"W 1036.63'

S00°38'43"W 518.03'

S89°22'28"E 239.97'

S00°38'22"W 442.89'

FOUND 1" REBAR

S89°21'28"W 738.65'

N89°21'28"W 1036.63'

230.53' S00°39'28"W

474.87'

TRACT 348-A 11.1742 AC.

TRACT 348-B 8.2197 AC.

N89°22'28"W

Re-25' (TYP)

N89°21'28"W 2.00'

S00°38'32"W 121.00'

N89°21'28"W 59.82'

390.08' S00°38'22"W

282.36'

672.45'

EXST. 50' PUBLIC ACCESS EASEMENT (05-30-02, 2002C-193)

PROPERTY LINE ELIMINATED BY PLAT

EXST 10' PUE (05-30-02, 2002C-193)

LADERA DRIVE N.W. (100' R/W)

LADERA GOLF COURSE

SET 5/8" REBAR WITH CAP "ALS LS 7719" (TYP)

N59°44'01"E 1109.47'

538.11' N00°40'01"E

FOUND 1/2" REBAR (TYP)

455.00'

MIAMI ROAD N.W. (60' R/W)

BLOCK A

TORATOLLA ACRES UNIT TWO (07-26-95, 95C-274)

MARIPOSA SQUARE TRACT "C" (06-08-89, C39-72)

72TH STREET N.W. (80' R/W)

68TH STREET N.W. (50' R/W)

ACS MONUMENT "6-J10" Y=1493217.53 X=368318.13 G-G=0.99967760 Δα=-00°16'06" CENTRAL ZONE (NAD 1927/SLD 1929) ELEVATION=5117.13

CURVE #	RADIUS	ARC	DELTA	TANGENT	CH-BEARING	CH-DIST
C1	150.00	80.23	30°38'48"	41.10	S14°41'02"E	79.28

F:\A01JOBS\A1096LV\Final Plat\BASE.dwg, SHEET3, 06/20/02 08:39:30 AM, STEPHEN

PLAT FOR

LADERA VISTA SUBDIVISION

WITHIN THE TOWN OF ATRISCO GRANT
PROJECTED SECTION 10
TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JUNE, 2002

ABBREVIATIONS

10' PUE = PUBLIC UTILITY EASEMENTS GRANTED WITH THIS PLAT.
R = RADIUS
ROW = RIGHT-OF-WAY

ALL STREETS SHOWN HEREON ARE HEREBY DEDICATED AS PUBLIC RIGHT-OF-WAY TO THE CITY OF ALBUQUERQUE

NOTE:

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

KENSINGTON SUBDIVISION PHASE 2 (11-23-99, 99C-319)

KENSINGTON SUBDIVISION PHASE 4 (03-14-02, 2002C-88)

BLOCK F

BLOCK C

NEW 20' PUBLIC DRAINAGE EASEMENT GRANTED WITH THIS PLAT

EXST 20' PUBLIC DRAINAGE EASEMENT (03/14/02, 2002C-88)

NEW PUBLIC DRAINAGE EASEMENT GRANTED BY THIS PLAT

EXST. 20' PUBLIC DRAINAGE EASEMENT (05-30-02, 2002C-193)

NEW 25' PUBLIC WATER & SANITARY SEWER EASEMENT AND NON-VEHICULAR PUBLIC ACCESS EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE WITH THIS PLAT.

EXST. 20' PUBLIC DRAINAGE EASEMENT (05-30-02, 2002C-193)

68TH STREET N.W. (50' R/W)

HUERTO AVE. N.W.

AGUACATE DR. N.W.

ZARZAMORA AVE. N.W.

POMELO PL. N.W.

68TH STREET N.W. (EXIST. 30' R/W)

OURAY ROAD (EXIST 80' ROW)

EL RANCHO ATRISCO REMAINDER TRACT 3 (07-11-77, D7-187)

TOWN OF ATRISCO GRANT UNIT NO. 8 TRACT 349-A (08-11-76, B11-168)

N89°21'28"W 1036.63'

S89°21'28"E 243.00'

S89°22'28"E 239.97'

S89°23'27"E 239.95'

S00°38'43"W 518.03'

S00°38'22"W 442.89'

FOUND 1" REBAR

SCALE: 1" = 60'

SEE SHEET 4 OF 5

SEE SHEET 5 OF 5 FOR CURVE TABLE

Dwg:	BASE.dwg	Drawn:	STEPHEN	Checked:	ALS	Sheet 4 of 6
Scale:	1"=1"	Date:	07/23/02	Job:	A01096	

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

26 69138.81 0304

DRC #69138 SHEET 3 OF 31

SCANNED BY
MESA REPRO

PLAT FOR
LADERA VISTA SUBDIVISION
WITHIN THE TOWN OF ATRISCO GRANT
PROJECTED SECTION 10
TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JUNE, 2002

60' 30' 0 60' 120'
SCALE: 1" = 60'

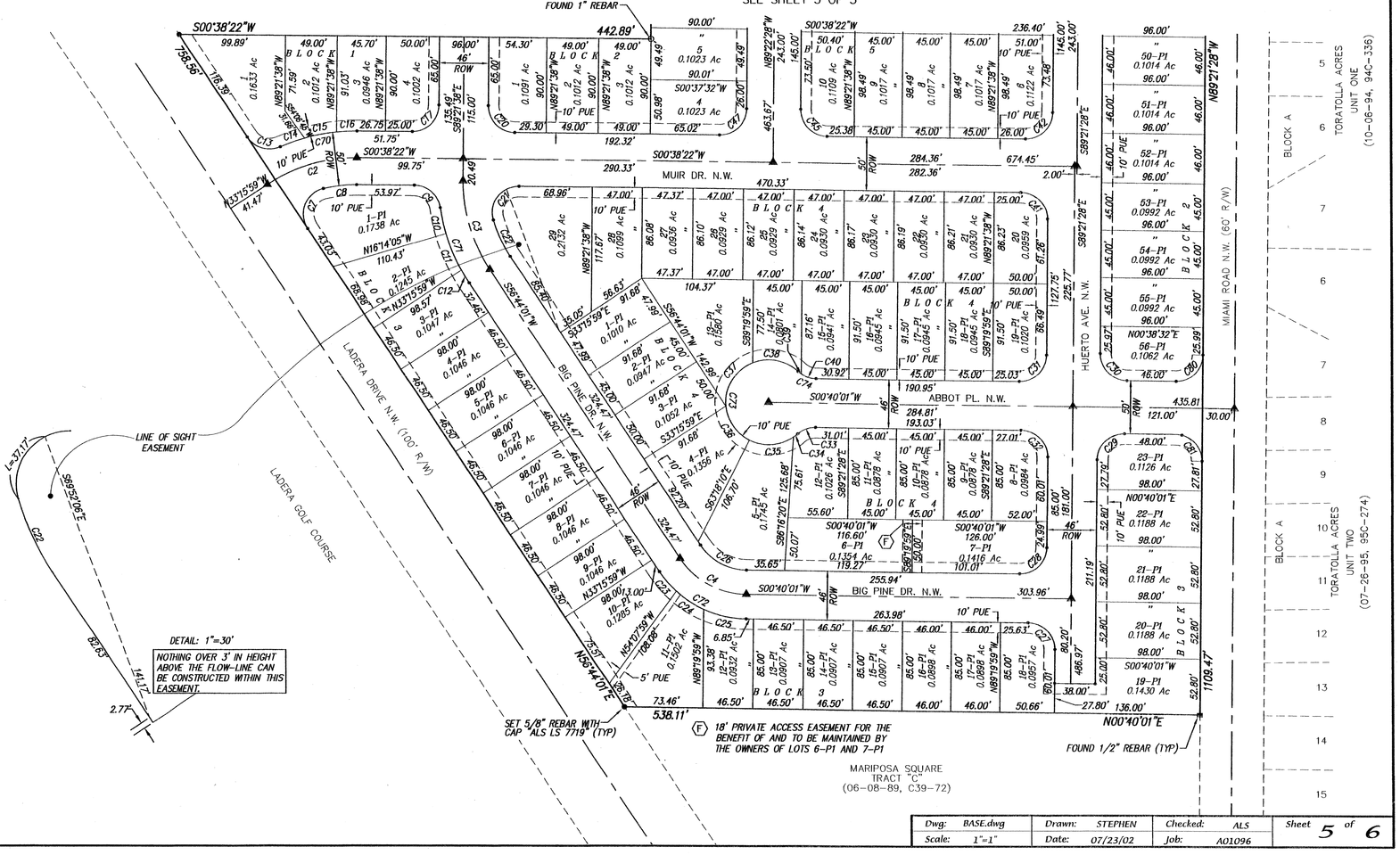
NOTE:
CENTERLINE (IN LIEU OF R/W) MONUMENTATION IS TO BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AS SHOWN HEREON, AND WILL CONSIST OF A FOUR INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE", "CENTERLINE MONUMENT", "DO NOT DISTURB", "PLS # 7719".

ALL STREETS SHOWN HEREON ARE HEREBY DEDICATED AS PUBLIC RIGHT-OF-WAY TO THE CITY OF ALBUQUERQUE

ABBREVIATIONS
10' PUE = PUBLIC UTILITY EASEMENTS GRANTED WITH THIS PLAT
ROW = RIGHT-OF-WAY

SEE SHEET 5 OF 5 FOR CURVE TABLE

SEE SHEET 3 OF 5



Dwg: BASE.dwg	Drawn: STEPHEN	Checked: ALS	Sheet 5 of 6
Scale: 1"=1"	Date: 07/23/02	Job: A01096	

CURVE TABLE						
CURVE	RADIUS	LENGTH	DELTA	TANGENT	CH-BEARING	CH-DIST
C1	353.00	122.95	19°57'23"	62.10	S59°15'53"E	122.33
C2	150.00	88.76	33°54'20"	45.72	N16°18'48"W	87.48
C3	150.00	88.76	33°54'20"	45.72	S73°41'12"W	87.48
C4	75.00	73.39	56°04'00"	39.93	S28°42'01"W	70.50
C5	150.00	52.08	19°53'33"	26.30	S09°17'18"E	51.82
C6	150.00	52.08	19°53'33"	26.30	N09°17'18"W	51.82
C7	25.00	47.82	109°35'21"	35.43	N68°28'18"W	40.85
C8	125.00	31.23	14°18'59"	15.70	N06°31'08"W	31.15
C9	25.00	35.53	81°25'47"	21.51	N41°21'15"E	32.61
C10	173.00	25.07	8°18'14"	12.56	S77°55'02"W	25.05
C11	173.00	37.37	12°22'41"	18.76	S67°34'34"W	37.30
C12	173.00	14.05	4°39'13"	7.03	S59°03'38"W	14.05
C13	25.00	35.06	80°20'58"	21.11	S16°33'32"W	32.26
C14	175.00	24.31	7°57'39"	12.18	N19°38'08"W	24.30
C15	175.00	30.79	10°04'47"	15.43	N10°36'55"W	30.62
C16	175.00	18.88	6°12'54"	9.50	N02°28'05"W	18.97
C17	25.00	39.27	90°00'00"	25.00	S44°21'38"E	35.36
C18	25.00	39.27	90°00'00"	25.00	N45°38'22"E	35.36
C19	25.00	39.27	90°00'00"	25.00	N44°21'38"W	35.36
C20	25.00	39.27	90°00'00"	25.00	S45°38'22"W	35.36
C21	25.00	46.61	106°48'53"	33.67	N52°46'05"W	40.14
C22	127.00	37.88	17°05'27"	19.08	S65°16'45"W	37.74
C23	98.00	24.26	14°11'05"	12.19	S49°38'29"W	24.20
C24	98.00	30.81	18°00'56"	15.54	S33°32'28"W	30.69
C25	98.00	40.82	23°51'59"	20.71	S12°36'00"W	40.53
C26	52.00	50.88	56°04'00"	27.69	S28°42'01"W	48.88
C27	25.00	39.26	89°58'31"	24.99	N45°39'16"E	35.35
C28	25.00	39.28	90°01'29"	25.01	S44°20'44"E	35.36
C29	25.00	39.28	90°01'29"	25.01	N44°20'44"W	35.36
C30	25.00	39.26	89°58'31"	24.99	S45°39'16"W	35.35
C31	25.00	39.28	90°01'29"	25.01	S44°20'44"E	35.36
C32	25.00	39.26	89°58'31"	24.99	N45°39'16"E	35.35
C33	25.00	18.15	41°36'10"	9.50	N20°08'24"W	17.76
C34	40.00	5.05	7°14'25"	2.53	S38°34'28"E	5.05
C35	40.00	43.04	61°39'05"	23.87	S04°07'43"E	40.99
C36	40.00	40.50	58°00'57"	22.18	S55°42'18"W	38.79
C37	40.00	51.36	73°33'48"	29.90	N58°30'20"W	47.90
C38	40.00	45.25	64°48'31"	25.39	N10°40'50"E	42.87
C39	25.00	3.55	8°08'10"	1.78	S39°01'00"W	3.55
C40	25.00	14.96	34°16'54"	7.71	S17°48'28"W	14.74
C41	25.00	39.27	90°00'10"	25.00	N45°38'27"E	35.36
C42	25.00	39.27	89°59'50"	25.00	S44°21'33"E	35.35
C43	25.00	39.27	90°00'10"	25.00	N45°38'27"E	35.36
C44	25.00	39.27	89°59'50"	25.00	S44°21'33"E	35.35
C45	25.00	39.26	89°59'11"	24.99	S45°37'57"W	35.35
C46	25.00	39.28	90°00'49"	25.01	N44°22'03"W	35.36
C47	25.00	39.28	90°00'49"	25.01	S44°22'03"E	35.36
C48	25.00	39.26	89°58'04"	24.99	N45°38'30"E	35.35
C49	25.00	39.26	89°59'11"	24.99	S45°37'57"W	35.35
C50	25.00	34.85	79°52'43"	20.93	N49°26'06"W	32.10
C51	25.00	39.26	89°59'03"	24.99	N45°39'00"E	35.35
C52	25.00	39.28	90°00'57"	25.01	S44°21'00"E	35.36
C53	173.00	28.31	9°22'34"	14.19	N04°01'49"W	28.28
C54	173.00	31.96	10°35'01"	16.02	N14°00'36"W	31.91
C55	125.00	14.75	6°45'40"	7.38	S15°55'17"E	14.74
C56	125.00	28.79	13°11'55"	14.46	S05°56'29"E	28.73
C57	125.00	22.15	10°09'13"	11.10	N04°25'08"W	22.12
C58	353.00	63.55	10°18'54"	31.86	S64°05'07"E	63.47
C59	353.00	59.40	9°38'29"	29.77	S54°06'26"E	59.33
C60	25.00	3.25	7°27'15"	1.63	S04°23'06"W	3.25
C61	25.00	17.13	39°15'14"	8.92	S27°44'21"W	16.79
C62	45.00	33.98	43°15'31"	17.84	N25°44'12"E	33.17
C63	45.00	57.25	72°53'42"	33.23	N32°20'25"W	53.47
C64	45.00	34.50	43°55'56"	18.15	S89°14'46"W	33.67
C65	45.00	30.59	38°56'33"	15.91	S47°48'32"W	30.00
C66	45.00	24.45	31°07'45"	12.53	S12°46'23"W	24.15
C67	45.00	33.98	43°15'31"	17.84	S24°25'16"E	33.17
C68	25.00	17.13	39°15'14"	8.92	N26°25'24"W	16.79
C69	25.00	3.25	7°27'15"	1.63	N03°04'09"W	3.25
C70	175.00	74.08	24°15'19"	37.60	N11°29'18"W	73.53
C71	173.00	76.50	25°20'07"	38.88	S69°24'05"W	75.88
C72	98.00	95.90	56°04'00"	52.18	S28°42'01"W	92.12
C73	40.00	184.88	264°49'03"	43.79	N88°19'26"W	59.07
C74	25.00	18.51	42°25'04"	9.70	S21°52'33"W	18.09
C75	173.00	60.27	19°57'35"	30.44	N09°19'19"W	59.96
C76	125.00	43.55	19°57'35"	22.00	S09°19'19"E	43.33
C77	25.00	20.38	46°42'29"	10.79	N22°41'46"W	19.82
C78	25.00	20.38	46°42'29"	10.79	S24°00'43"W	19.82
C79	45.00	214.74	273°24'59"	42.39	N89°20'32"W	61.71

CURVE TABLE						
CURVE	RADIUS	LENGTH	DELTA	TANGENT	CH-BEARING	CH-DIST
C80	25.00	39.28	90°01'28"	25.01	S44°20'43"E	35.36
C81	25.00	39.26	89°58'31"	24.99	S45°39'16"W	35.35
C82	500.00	38.09	4°21'52"	19.05	N01°31'28"W	38.08
C83	500.00	38.09	4°21'52"	19.05	S01°31'28"E	38.08
C84	523.00	39.84	4°21'52"	19.93	N01°31'28"W	39.83
C85	477.00	3.79	0°27'19"	1.89	S03°28'45"E	3.79
C86	477.00	32.55	3°54'34"	16.28	S01°17'49"E	32.54
C87	25.00	39.26	89°58'04"	24.99	N45°38'30"E	35.35
C88	25.00	39.28	90°01'56"	25.01	N44°21'30"W	35.37
C89	25.00	11.73	26°52'30"	5.97	N12°46'47"W	11.62
C90	25.00	6.77	15°31'28"	3.41	N33°58'46"W	6.75
C91	40.00	42.12	60°20'01"	23.12	S11°34'29"E	40.20
C92	40.00	27.75	39°44'44"	14.46	S38°27'53"W	27.19
C93	40.00	25.43	36°25'12"	13.16	S76°32'51"W	25.00
C94	40.00	38.34	54°55'18"	20.79	N57°46'55"W	36.89
C95	40.00	51.23	73°22'42"	29.80	N06°22'05"E	47.80
C96	25.00	6.78	15°32'12"	3.41	N35°17'20"E	6.76
C97	25.00	11.72	26°51'46"	5.97	S14°05'21"W	11.61
C98	45.00	214.74	273°24'59"	42.39	N89°20'32"W	61.71
C99	25.00	18.50	42°23'58"	9.70	N20°32'31"W	18.08
C100	25.00	18.50	42°23'58"	9.70	N21°51'27"E	18.08
C101	477.00	36.34	4°21'52"	18.18	S01°31'28"E	36.33

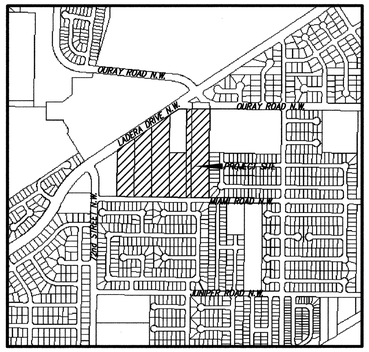
PLAT FOR
LADERA VISTA SUBDIVISION
WITHIN THE TOWN OF ATRISCO GRANT
PROJECTED SECTION 10
TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JUNE, 2002

06-26-02

BASE.dwg	Drawn: RICHARD	Checked: ALS	Sheet 6 of 6
Scale: 1"=1"	Date: 06/14/02	Job: A01096	

DRC # 6913.81 0904

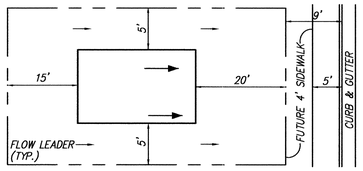
SHEET 4 OF 13



LOCATION MAP

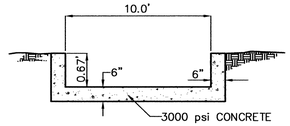
ZONE ATLAS H-10

SCALE: NONE



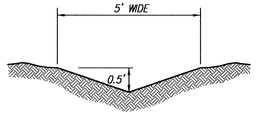
TYPICAL LOT LAYOUT PLAN

N.T.S.



CONCRETE RUNDOWN SECTION

N.T.S.

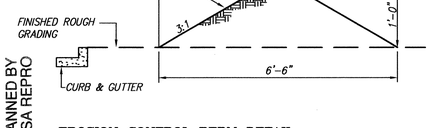


SWALE DETAIL

N.T.S.

KEYED NOTES

1. PROPOSED 7– CONTINUOUS DOUBLE TYPE 'A' INLETS WITH CONCRETE TRANSITION WINGS ON EITHER SIDE, BUT NOT IN BETWEEN. TG CENTER= 06.54 INV. CENTER= 03.35 TG–N= 06.57 INV.–N= 03.49 TG–S= 06.54 INV.–S= 03.49
2. PROPOSED 18" DIA. STANDPIPE TOP GRATE= 09.00 TOP GROUND= 07.20 INV.= 04.59
3. PROPOSED 10' WIDE CONCRETE RUNDOWN PER DETAIL THIS SHEET
4. PROPOSED 5– 2' SIDEWALK CULVERT PER C.O.A. STD. DETAIL #2236
5. 12.92' WIDE CURB OPENING FOR 10' WIDE CONCRETE RUNDOWN
6. 1.0' WIDE SIDEWALK CULVERT PER C.O.A. STD. DETAIL #2236
7. 1.0' WIDE CURB OPENING
8. 10' WIDE VALLEY GUTTER



EROSION CONTROL BERM DETAIL

N.T.S.

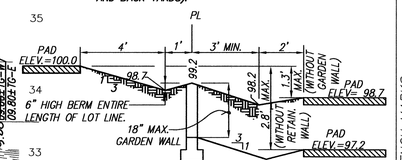
SCANNED BY MESA REPRO

EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SEDIMENT OUT OF EXISTING RIGHT–OF–WAY.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT–OF–WAY.
4. EROSION CONTROL BERMS ARE REQUIRED AROUND THE ENTIRE SITE.
5. ALL EROSION CONTROL BERMS MUST BE IN PLACE AND ENGINEER CERTIFIED PRIOR TO BUILDING PERMIT RELEASE.

NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT–OF–WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
6. A PERIMETER CMU WALL WILL BE CONSTRUCTED AROUND THE PROJECT SITE. INTERIOR PROPERTY BOUNDARIES WILL BE SEPARATED BY FENCES OR WALLS (SIDEYARDS AND BACK YARDS).



NOTES:

1. A BLOCK WALL WILL BE CONSTRUCTED ALONG THE ENTIRE PERIMETER BOUNDARY. (PART BY DEVELOPER, PART BY BUILDER.)
2. WHERE THE DIFFERENCE IN ADJACENT PAD ELEVATIONS IS GREATER THAN 1.3' AND LESS THAN 2.8' A GARDEN WALL SHALL BE CONSTRUCTED TO ACCOMODATE PROPER SIDEYARD LOT DRAINAGE AS SHOWN ON THE SIDEYARD LOT DETAIL.
3. WHERE THE DIFFERENCE IN ADJACENT PAD ELEVATIONS IS GREATER THAN 2.8' A RETAINING WALL SHALL BE CONSTRUCTED TO ACCOMADATE PROPER SIDEYARD LOT DRAINAGE AS SHOWN ON THE SIDEYARD LOT DETAIL

TYPICAL SIDEYARD GARDEN BLOCKWALL DETAIL

NTS

ANY DIFFERENCE IN PAD ELEVATIONS BETWEEN ADJACENT LOTS GREATER THAN 2.8' WILL REQUIRE RETAINING WALLS

LEGEND

- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING TOP OF CURB ELEVATION / EXISTING FLOW LINE ELEVATION
- EXISTING SPOT ELEVATION
- EXISTING SPOT ELEVATION
- EXISTING CONCRETE
- EXISTING ELECTRIC TRANSFORMER
- EXISTING TELEPHONE PEDESTAL
- EXISTING OVERHEAD ELECTRIC / TELEPHONE LINE
- EXISTING GUY WIRE
- EXISTING POWER POLE
- EXISTING GAS VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN LINE
- EXISTING STORM DRAIN INLET
- FP= 16.31 PROPOSED FINISHED PAD ELEVATION
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED STANDARD 8" CURB & GUTTER
- 16.34 PROPOSED SPOT ELEVATION
- 15.43 TW / 13.00 TG / 13.00 TS PROPOSED TOP WALL ELEVATION / PROPOSED TOP GROUND ELEVATION / PROPOSED TOP OF SIDEWALK ELEVATION
- PROPOSED DRAINAGE BASIN
- PROPOSED RETAINING WALL
- PROPOSED 3:1 SLOPE
- PROPOSED FLOW DIRECTION
- PROPOSED SWALE
- PROPOSED SIDEWALK
- PROPOSED 50' PAVEMENT TRANSITION
- PROPOSED STORM DRAIN LINE
- EXISTING 100 YEAR FLOODPLAIN LINE
- NEW 100 YEAR MAX. WATER SURFACE ELEV. 08.16

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *LADERA VISTA SUBDIVISION GRADING AND DRAINAGE PLAN*

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

CITY PROJECT NO. #691381 | ZONE MAP NO. H-10-Z | SHEET 5 OF 31

AS BUILT INFORMATION

	CONTRACTOR	FRANKLIN CS	DATE 10/8
	WORK INSPECTORS	CSC	DATE 8/01
	AS-BUILT BY	AVD	DATE 1/02
	FIELD VERIFICATION BY	CSC	DATE 2/02
	AS-BUILT CORRECTED BY	CSC	DATE 2/02
	MICRO-FILM INFORMATION		DATE 10/04
	RECORDED BY		DATE
	NO.		

BENCH MARKS

ACS STATION 3–H10, TO REACH STATION FROM THE INTERSECTION OF I–40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "3–H10". X= 356,889.72, Y= 1493922.98, (NAD 1927) ELEVATION= 5193.38 (SLD 1929)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MARK J. DRISCOLL, NEW MEXICO, 14334, REGISTERED PROFESSIONAL ENGINEER, 10/04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY ALD	DATE 01/02
		DRAWN BY DER	DATE 01/02
		CHECKED BY DMG	DATE 01/02

A01jobs\A1096ivn\plans\A1096gd3.dwg\06–20–02\DER NHE

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

26 89 13.81 0504

NOTE: * 2-2" LIFTS OF ASPHALTIC SURFACE COURSE (TYPE B) 1800M (NO TYPE A) FROM LADERA DR TO BIG PINE DR N.W. & FROM MIAMI RD TO HUERTO AVE. N.W.

TYPICAL 28' AND 32' STREET SECTION

N.T.S. (SEE NOTE 8)

TYPICAL 24' STREET SECTION

N.T.S. PORTION OF HUERTO AVENUE N.W. (SEE NOTE 8)

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

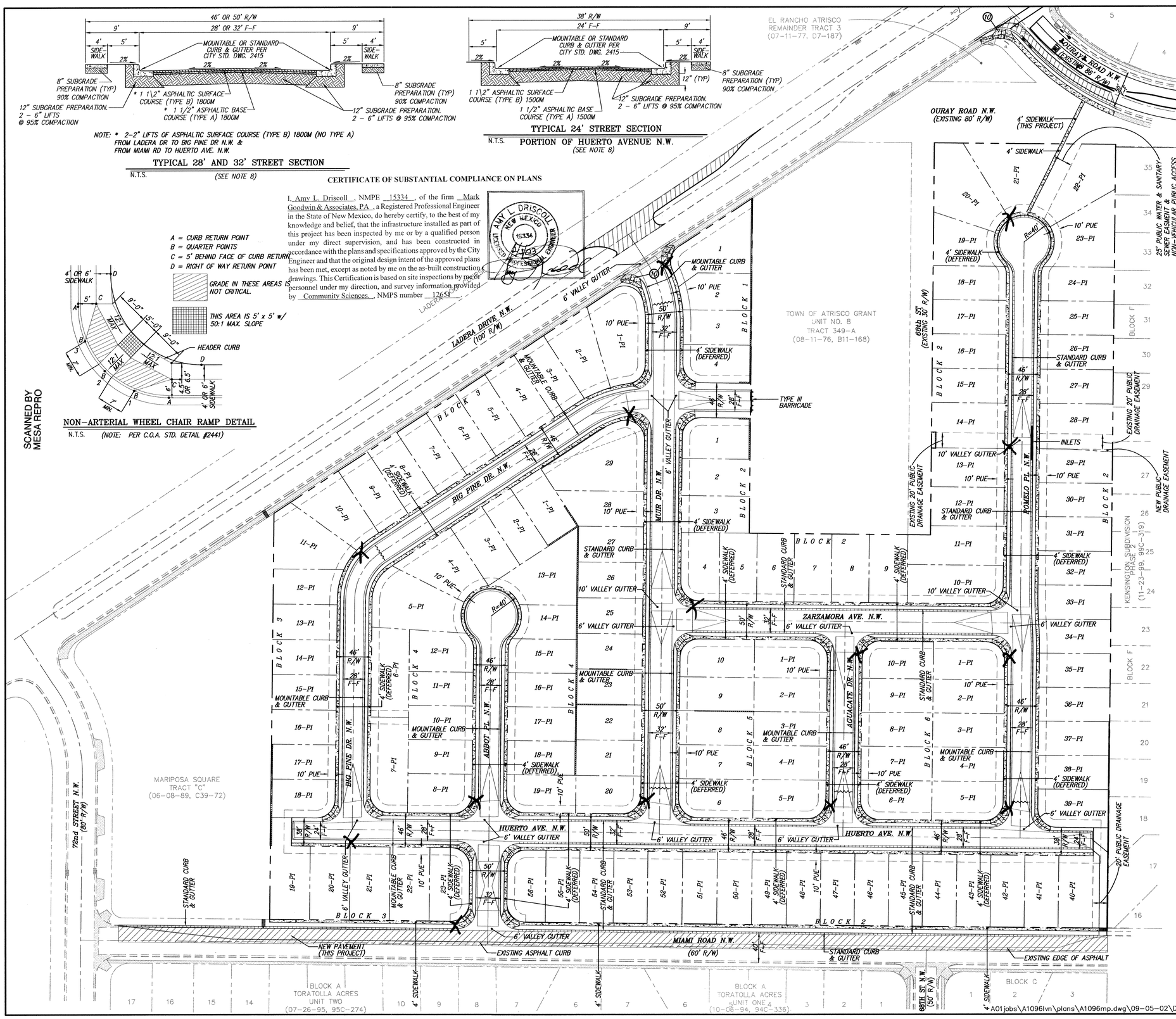
I, Amy L. Driscoll, NMPE 15334, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person 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 Community Sciences., NMPS number 12651.

AMY L DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

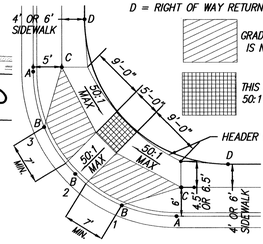
A = CURB RETURN POINT
B = QUARTER POINTS
C = 5' BEHIND FACE OF CURB RETURN
D = RIGHT OF WAY RETURN POINT

NON-ARTERIAL WHEEL CHAIR RAMP DETAIL

N.T.S. (NOTE: PER C.O.A. STD. DETAIL #2441)



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



WHEEL CHAIR RAMP FOR LADERA DRIVE

N.T.S.

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 DETAILS ON THIS SHEET, UNLESS OTHERWISE NOTED.
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 PER C.O.A. STD DETAIL #2401.
7. TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB AT INTERSECTIONS SHALL OCCUR THROUGH THE HC. RAMP PER C.O.A. STANDARD DRAWING 2418.
8. SOIL NOT HAVING THE MINIMUM R-VALUE OF 50 FOR STREETS SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED, BY THE CONTRACTOR, WITH SUITABLE MATERIAL, OR A PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER C.O.A. STANDARD SPECIFICATIONS.
9. ALL 10' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DETAIL #2422.
10. HANDICAP RAMPS PER LADERA WHEEL CHAIR RAMP DETAIL ON THIS SHEET.

LEGEND

- EXISTING CURB & GUTTER
- EXISTING ASPHALT CURB
- EXISTING BOUNDARY LINE
- EXISTING ADJOINING PROPERTY LINE
- EXISTING CONCRETE/SIDEWALK
- EXISTING TRAFFIC LIGHT
- EXISTING PULL BOX
- EXISTING STORM DRAIN INLET
- PROPOSED STORM DRAIN INLET
- PROPOSED STANDARD CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED LOT LINE
- PROPOSED/EXISTING EASEMENT LINE
- PROPOSED CENTERLINE
- PROPOSED RETAINING WALL
- PROPOSED CROWN TRANSITION
- PROPOSED STREET LIGHTS
- PROPOSED CONCRETE SIDEWALK
- PROPOSED WHEEL CHAIR RAMP
- PROPOSED HIGH POINT
- PROPOSED NEW PAVEMENT

N

60' 30' 0 60' 120'

SCALE: 1"= 60'

AS BUILT INFORMATION

CONTRACTOR FRANKLIN'S DATE 10/02
WORK STAKED BY CSC DATE 2/03
ACCEPTANCE BY ALD DATE 2/03
FIELD VERIFICATION BY CSC DATE 2/03
DRAWINGS CORRECTED BY CSC DATE 2/03

BENCH MARKS

ACS STATION 3-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP, SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "3-H10". X= 356,869.72, Y= 1493922.98, (NAD 1927) ELEVATION= 5193.38 (SLD 1929)

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

SURVEY INFORMATION

FIELD NOTES NO. BY DATE

ENGINEER'S SEAL

AMY L DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		AS BUILT	
		DESIGN	

DESIGNED BY ALD DATE 03/02
DRAWN BY DER DATE 03/02
CHECKED BY DMG DATE 03/02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:

LADERA VISTA SUBDIVISION MASTER PAVING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
SEP 17 2002	APPROVED SEP 26 2002 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
691381	H-10-Z	6	31

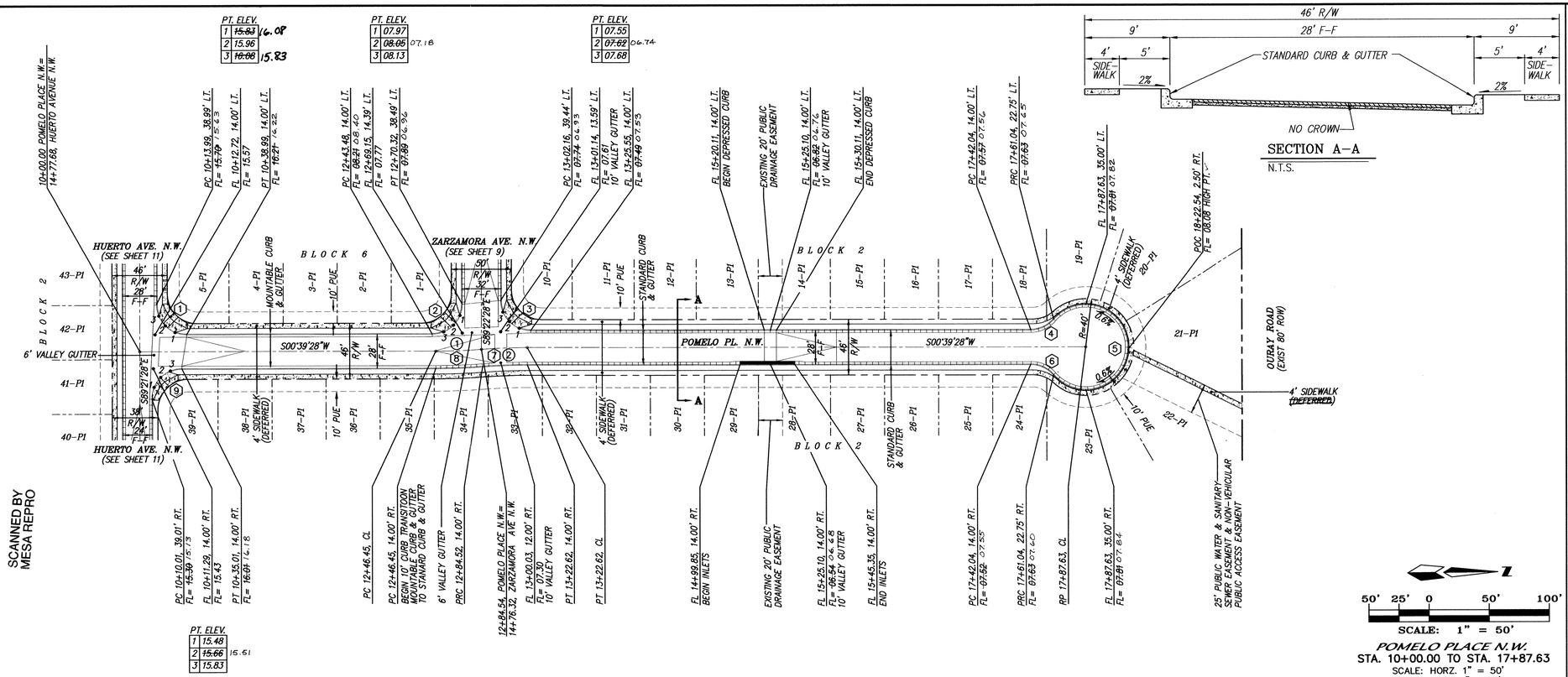
F:\A01JOBS\A1096LVN\plans\A1096mp.dwg Thu Sep 05 16:38:19 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

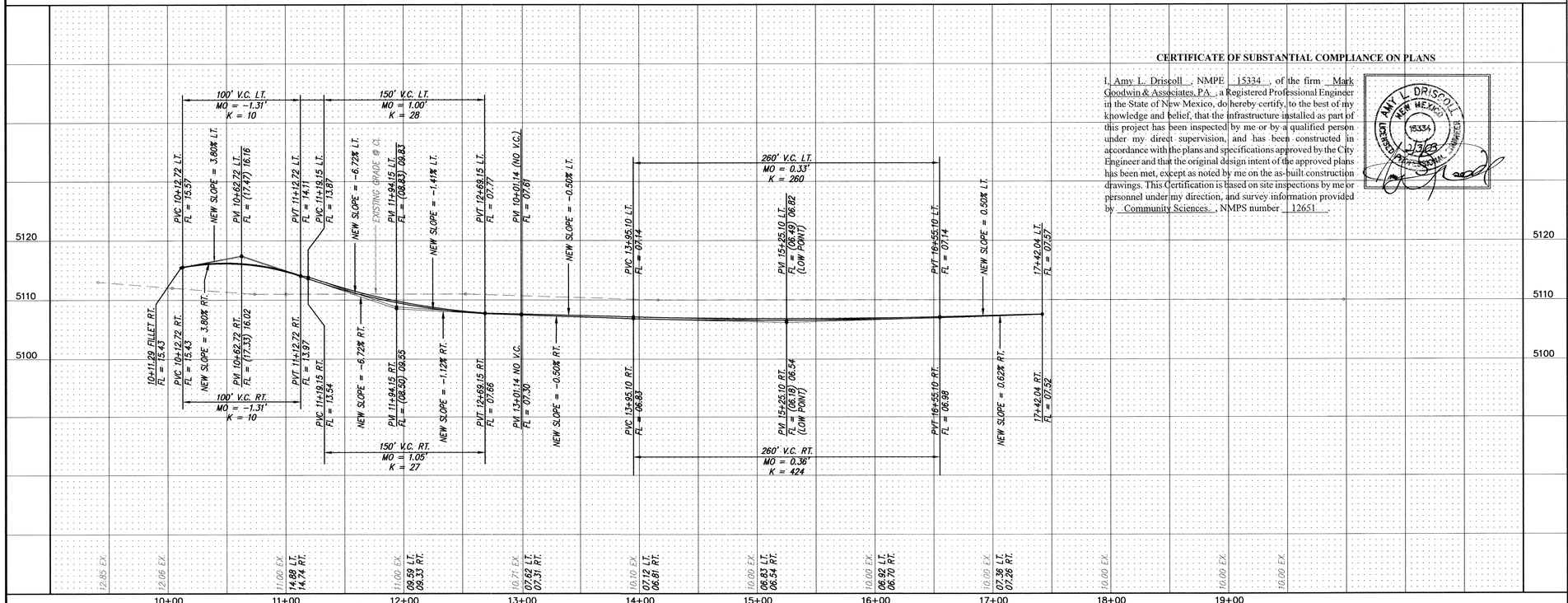
SCANNED BY MESA REPRO

A01jobs\A1096lvn\plans\A1096mp.dwg\09-05-02\DER NHE

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

26 69 13.81 0604





NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 04°21'52" R = 500.00' L = 38.09' T = 19.05'
② Δ = 04°21'52" R = 500.00' L = 38.09' T = 19.05'

CURVE DATA – DESCRIBES FACE OF NEW CURB

① Δ = 89°59'03" R = 25.00' L = 39.26' T = 24.99'
② Δ = 90°01'56" R = 25.00' L = 39.28' T = 25.01'
③ Δ = 89°58'04" R = 25.00' L = 39.26' T = 24.99'
④ Δ = 49°27'30" R = 25.00' L = 21.58' T = 11.51'
⑤ Δ = 278°55'00" R = 35.00' L = 170.38' T = 29.94'
⑥ Δ = 49°27'30" R = 25.00' L = 21.58' T = 11.51'
⑦ Δ = 04°21'52" R = 486.00' L = 37.02' T = 18.52'
⑧ Δ = 04°21'52" R = 514.00' L = 39.15' T = 19.59'
⑨ Δ = 90°00'57" R = 25.00' L = 39.28' T = 25.01'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences, NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER 7/3/02

SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS STATION J-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD. GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "J-H10". X= 356,889.72, Y= 1493922.98, (NAD 1927) ELEVATION= 5193.38 (SLD 1929)

AS BUILT INFORMATION

CONTRACTOR	FRANKLIN'S	DATE 9/04
WORK INSPECTED BY	CSC	DATE 3/03
INSPECTOR'S ACCEPTANCE BY	H.D	DATE 4/03
VERIFICATION BY	CSC	DATE 4/03
CORRECTED BY	CSC	DATE 2/3
MICRO-FILM INFORMATION		9/04
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	ALD	DATE	03/02
DRAWN BY	DER	DATE	03/02
CHECKED BY	DMG	DATE	03/02

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6913.81 0704

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: LADERA VISTA SUBDIVISION
POMELO PLACE N.W.
PAVING IMPROVEMENTS

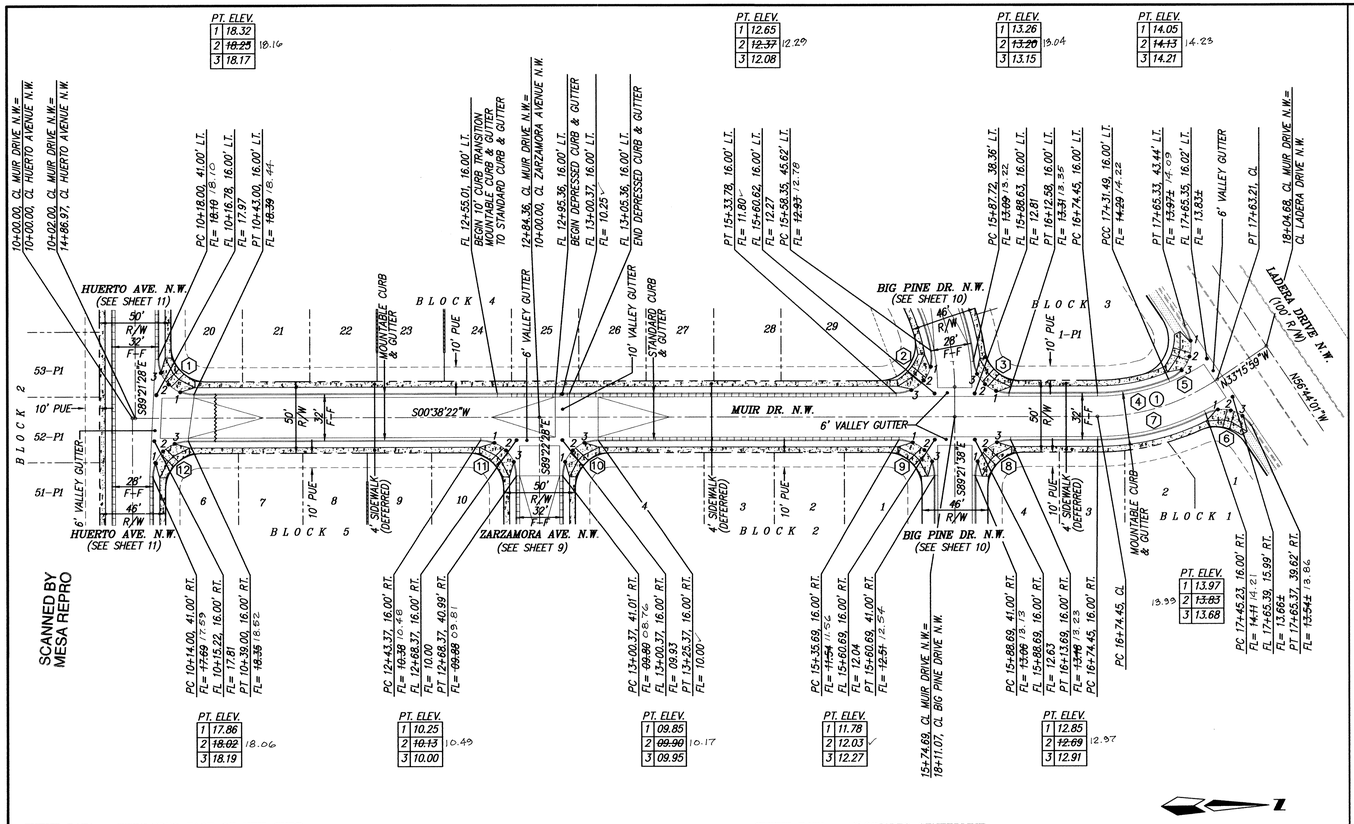
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
SEP 17 2002 DESIGN REVIEW COMMITTEE	APPROVED SEP 26 2002 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
691381	H-10-Z	7	31

A01jobs\A1096lvn\A1096pp1.dwg\07-30-02\DER NHE

F:\A01JOBS\A1096LVN\plans\A1096pp1.dwg Tue Jul 30 15:48:49 2002 D. MARK GOODWIN & ASSOCIATES; PLTED BY:

SCANNED BY MESA REPRO



CURVE DATA – DESCRIBES FACE OF NEW CURB

(1) Δ = 90°00'10" R = 25.00' L = 39.27' T = 25.00'	(2) Δ = 100°38'46" R = 25.00' L = 43.92' T = 30.14'	(3) Δ = 83°46'16" R = 25.00' L = 36.55' T = 22.42'	(4) Δ = 21°47'28" R = 134.00' L = 50.96' T = 25.79'	(5) Δ = 102°08'28" R = 25.00' L = 44.57' T = 30.95'	(6) Δ = 83°06'23" R = 25.00' L = 36.26' T = 22.16'
(7) Δ = 27°02'19" R = 166.00' L = 78.34' T = 39.91'	(8) Δ = 90°00'00" R = 25.00' L = 39.27' T = 25.00'	(9) Δ = 90°00'00" R = 25.00' L = 39.27' T = 25.00'	(10) Δ = 90°00'49" R = 25.00' L = 39.28' T = 25.01'	(11) Δ = 89°59'11" R = 25.00' L = 39.26' T = 24.99'	(12) Δ = 89°59'50" R = 25.00' L = 39.27' T = 25.00'

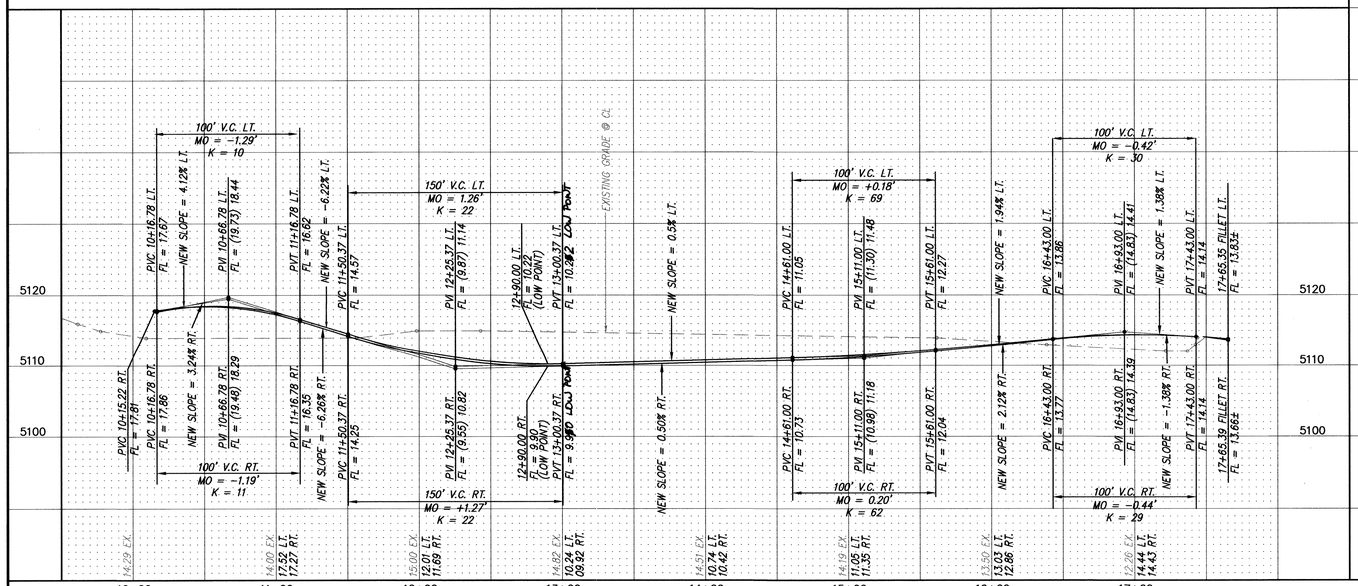
CURVE DATA – DESCRIBES CENTERLINE

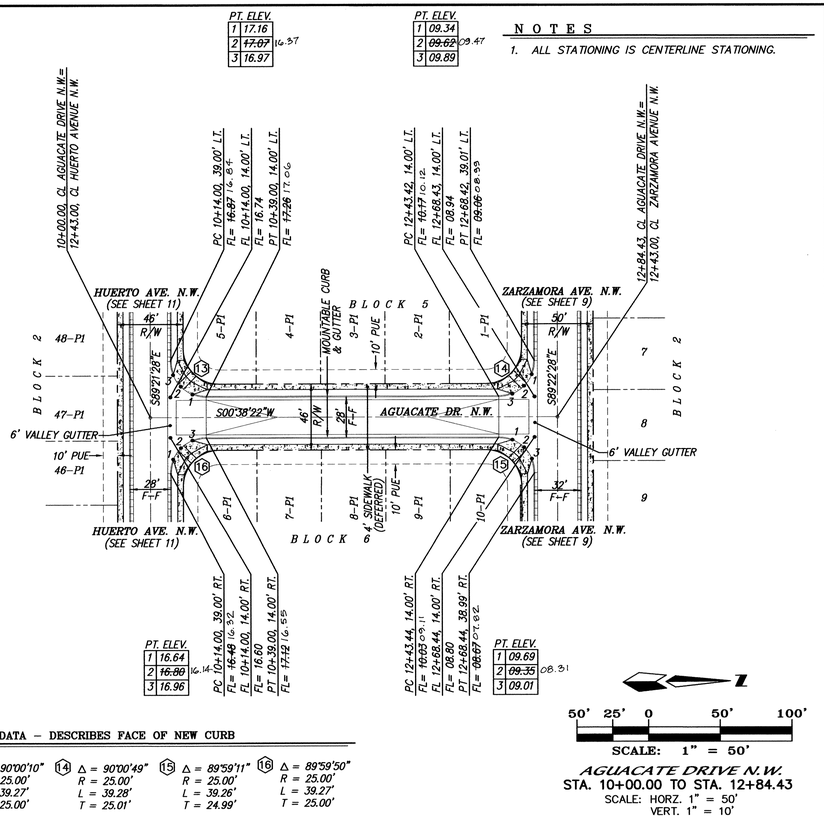
(1) Δ = 33°54'20" R = 150.00' L = 88.76' T = 45.72'

50' 25' 0 50' 100'

SCALE: 1" = 50'

MUIR DRIVE N.W.
STA. 10+00.00 TO STA. 18+04.68
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'





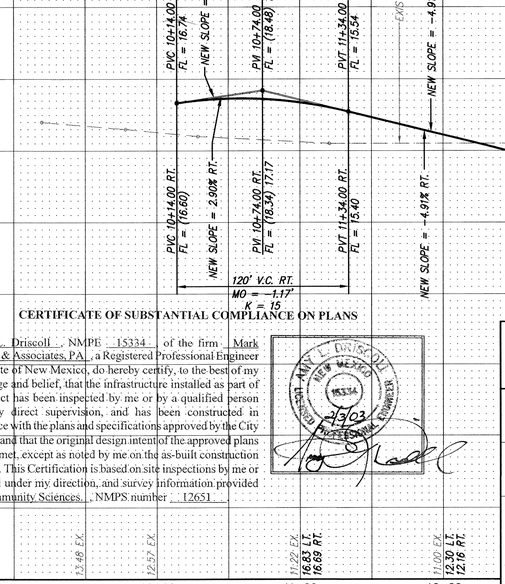
CURVE DATA – DESCRIBES FACE OF NEW CURB

(13) Δ = 90°00'10" R = 25.00' L = 39.27' T = 25.00'
(14) Δ = 90°00'49" R = 25.00' L = 39.28' T = 25.01'
(15) Δ = 89°59'11" R = 25.00' L = 39.26' T = 24.99'
(16) Δ = 89°59'50" R = 25.00' L = 39.27' T = 25.00'

50' 25' 0 50' 100'

SCALE: 1" = 50'

AGUACATE DRIVE N.W.
STA. 10+00.00 TO STA. 12+84.43
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences, NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER 2/5/03

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: LADERA VISTA SUBDIVISION
MUIR DRIVE & AGUACATE DRIVE N.W.
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED SEP 17 2002	APPROVED SEP 26 2002 CITY ENGINEER	LAST DESIGN UPDATE	

CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET 8 OF 31

A01jobs\A1096lvn\A1096pp2.dwg\07-30-02\DER NHE

SURVEY INFORMATION — BENCH MARKS — AS BUILT INFORMATION

FIELD NOTES

NO.	BY	DATE

ACS STATION 3-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "3-H10". X= 356,899.72, Y= 1493922.98, (NAD 1927) ELEVATION= 5193.38 (SUD 1929)

CONTRACTOR FRANKLIN'S DATE 03/02
WORK BY CSC DATE 03/02
INSPECTORS ACCEPTANCE BY MD DATE 3/03/02
FIELD VERIFICATION BY CSC DATE 3/03/02
CHANGES MADE BY CSC DATE 3/04/02
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

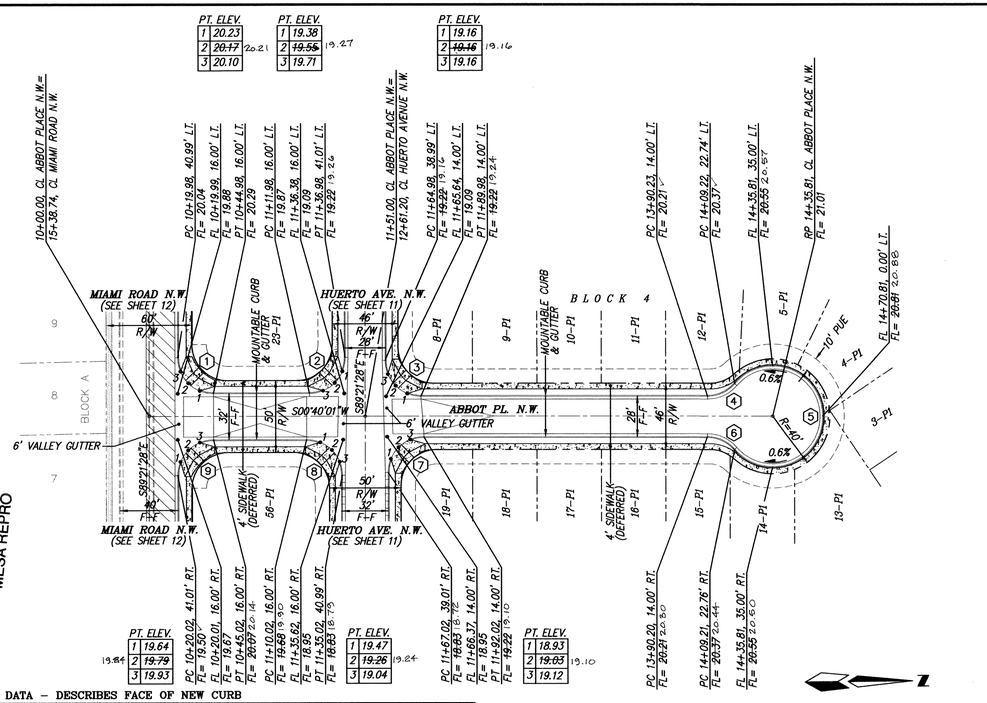
NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY ALD	DATE 03/02
		DRAWN BY DER	DATE 03/02
		CHECKED BY DMG	DATE 03/02

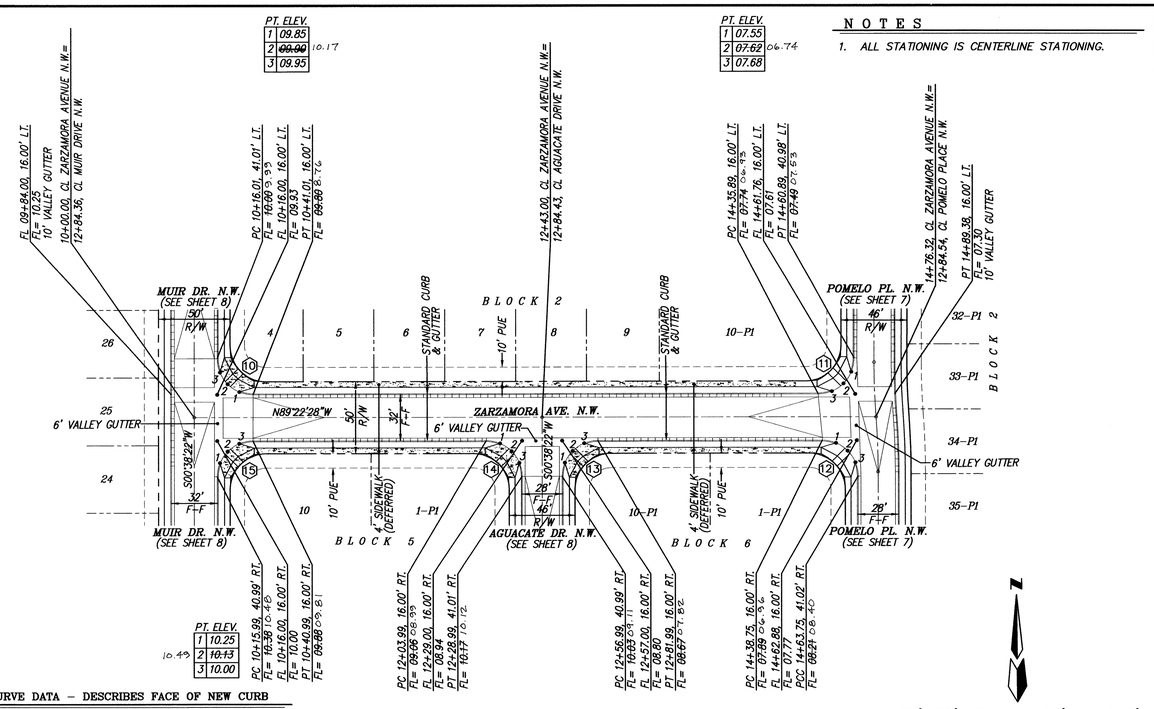
NOTES

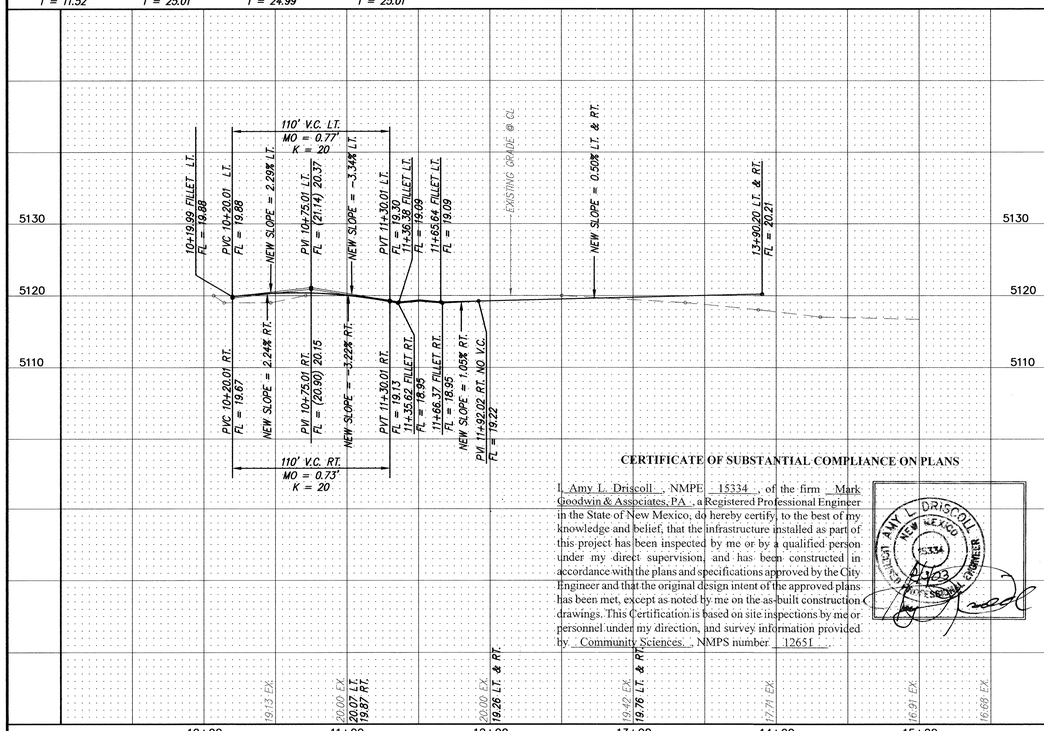
1. ALL STATIONING IS CENTERLINE STATIONING.

F:\A01JOBS\A1096LVN\plans\A1096pp2.dwg Tue Jul 30 15:55:46 2002 D. MARK GOODWIN & ASSOCIATES; PLTTED BY:

26 6913.81 0804







CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences, NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS STATION J-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "J-H10".
X= 356,889.72, Y= 1493922.98, (NAD 1927)
ELEVATION= 5193.38 (SLD 1929)

AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S
WORK INSPECTED BY CSC DATE 06/04
INSPECTOR'S ACCEPTANCE BY MJD DATE 6/03
FIELD VERIFICATION BY CSC DATE 6/03
DRAWING CHECKED BY CSC DATE 6/03
MICRO-FILM INFORMATION DATE
RECORDED BY DATE
NO.

ENGINEER'S SEAL
NEW MEXICO 15334 AMY L. DRISCOLL REGISTERED PROFESSIONAL ENGINEER 9/30

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY ALD DATE 03/02
DRAWN BY DER DATE 03/02
CHECKED BY DMG DATE 03/02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: LADERA VISTA SUBDIVISION
ABBOT PLACE & ZARZAMORA AVENUE N.W.
PAVING IMPROVEMENTS

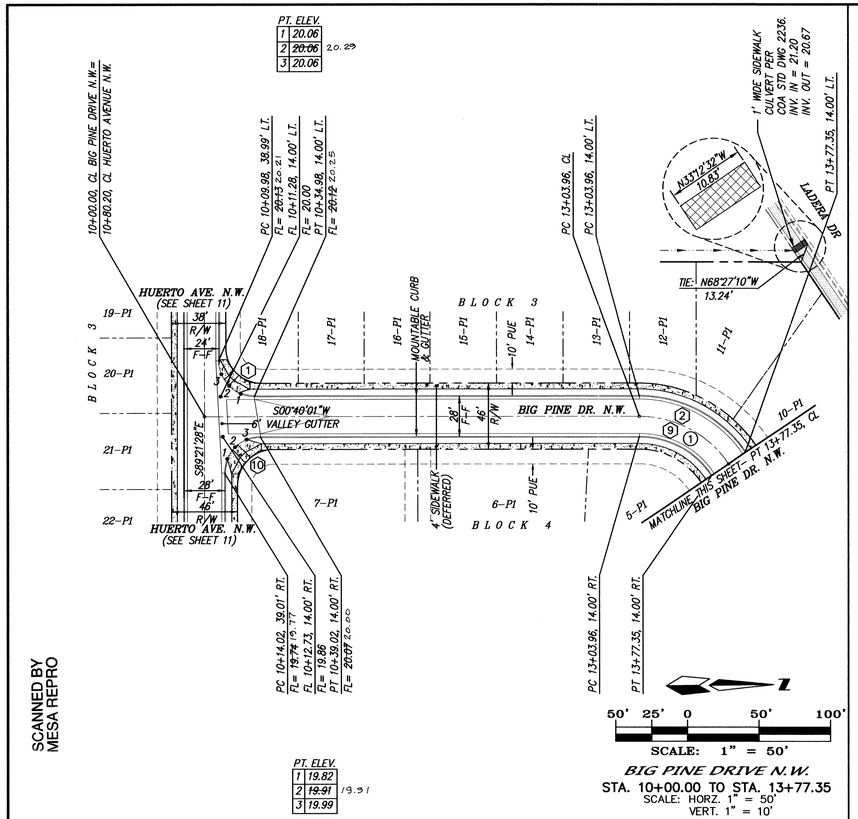
DESIGN REVIEW COMMITTEE APPROVED SEP 17 2002 REVISIONS/COMMENTS
CITY ENGINEER APPROVAL APPROVED SEP 26 2002 CITY ENGINEER
MO./DAY/YR. MO./DAY/YR.
LAST DESIGN UPDATE

CITY PROJECT NO. 691381
ZONE MAP NO. H-10-Z
SHEET 9 OF 31

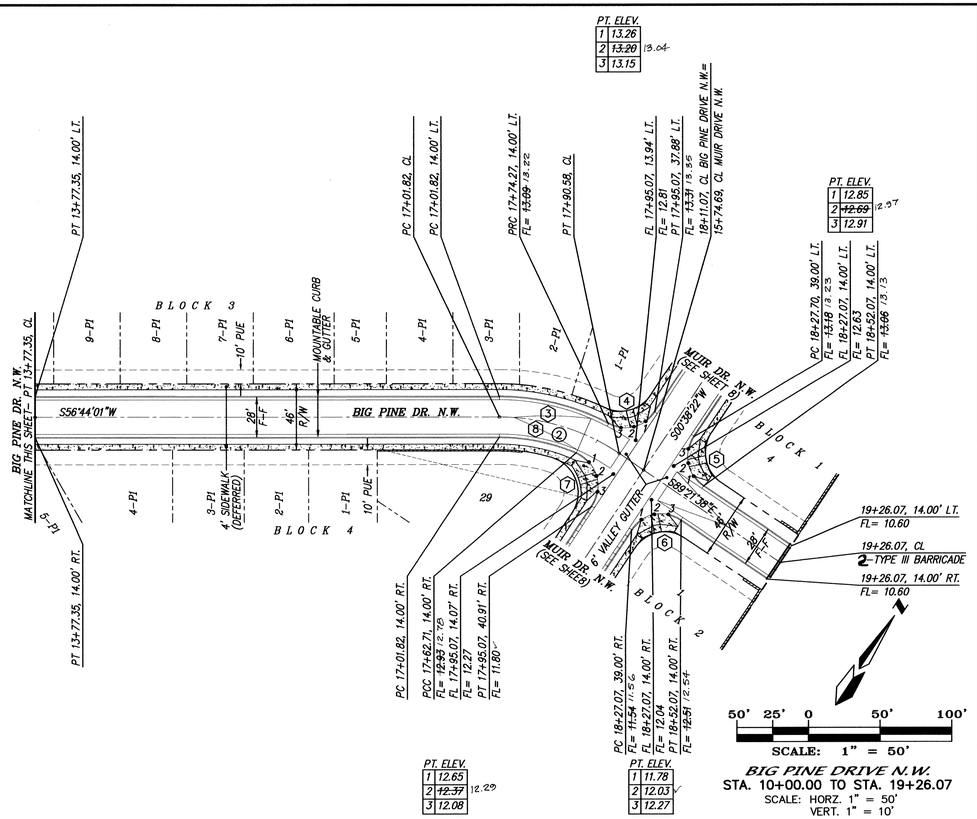
A01jobs\A1096lvn\A1096pp3.dwg\07-30-02\DER NHE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 69113.81 09019

F:\A01JOBS\A1096LVN\plans\A1096pp3.dwg Tue Jul 30 15:57:16 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY:



BIG PINE DRIVE N.W.
STA. 10+00.00 TO STA. 13+77.35
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



BIG PINE DRIVE N.W.
STA. 10+00.00 TO STA. 19+26.07
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA – DESCRIBES CENTERLINE

① Δ = 56°04'00" ② Δ = 33°54'20"
R = 75.00' R = 150.00'
L = 73.39' L = 88.76'
T = 39.93' T = 45.72'

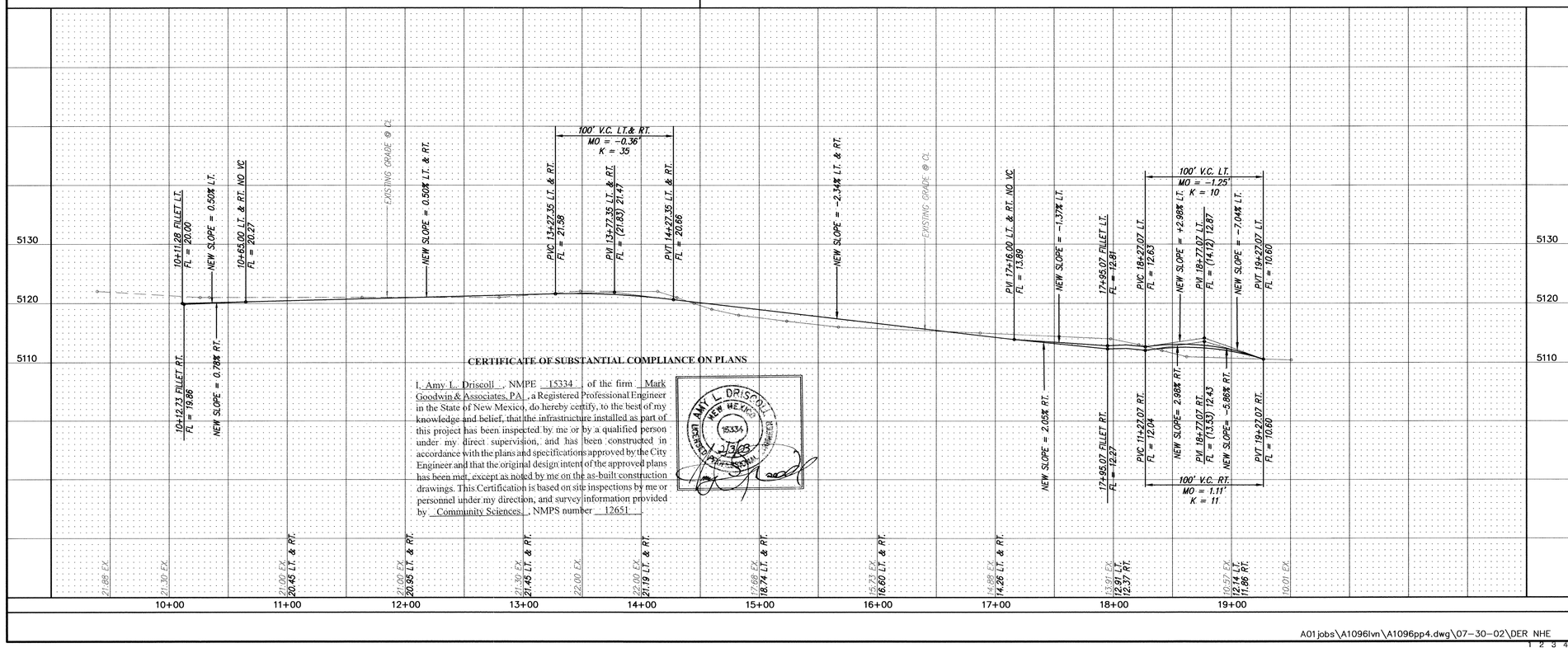
CURVE DATA – DESCRIBES FACE OF NEW CURB

① Δ = 89°58'31" ② Δ = 56°04'00" ③ Δ = 27°40'37"
R = 25.00' R = 89.00' R = 164.00'
L = 39.26' L = 87.09' L = 79.22'
T = 24.99' T = 47.39' T = 40.40'

④ Δ = 83°46'16" ⑤ Δ = 90°00'00" ⑥ Δ = 90°00'00"
R = 25.00' R = 25.00' R = 25.00'
L = 36.55' L = 39.27' L = 39.27'
T = 22.42' T = 25.00' T = 25.00'

⑦ Δ = 100°38'46" ⑧ Δ = 23°15'34" ⑨ Δ = 56°04'00"
R = 25.00' R = 136.00' R = 61.00'
L = 43.92' L = 55.21' L = 59.69'
T = 30.14' T = 27.99' T = 32.48'

⑩ Δ = 90°01'29"
R = 25.00'
L = 39.28'
T = 25.01'



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334 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 Community Sciences, NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 LICENSED PROFESSIONAL ENGINEER 9/3/03

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS STATION J–H10. TO REACH STATION FROM THE INTERSECTION OF I–40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "J–H10".
X= 356,889.72, Y= 1493922.93, (NAD 1927)
ELEVATION= 5183.38 (SLD 1929)

AS BUILT INFORMATION

CONTRACTOR	FRANKLIN'S	DATE 10/03
WORK STAKED BY	CSC	DATE 8/03
INSPECTOR'S ACCEPTANCE BY	M.D	DATE 8/03
VERIFICATION BY	CSC	DATE 8/03
FIELD CHANGES CORRECTED BY	CSC	DATE 8/03
MICRO–FILM INFORMATION		DATE 8/04
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL
AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	ALD	DATE 03/02
DRAWN BY	DER	DATE 03/02
CHECKED BY	DMG	DATE 03/02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: LADERA VISTA SUBDIVISION
BIG PINE DRIVE N.W.
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
SEP 17 2002 DESIGN REVIEW COMMITTEE	SEP 26 2002 CITY ENGINEER			

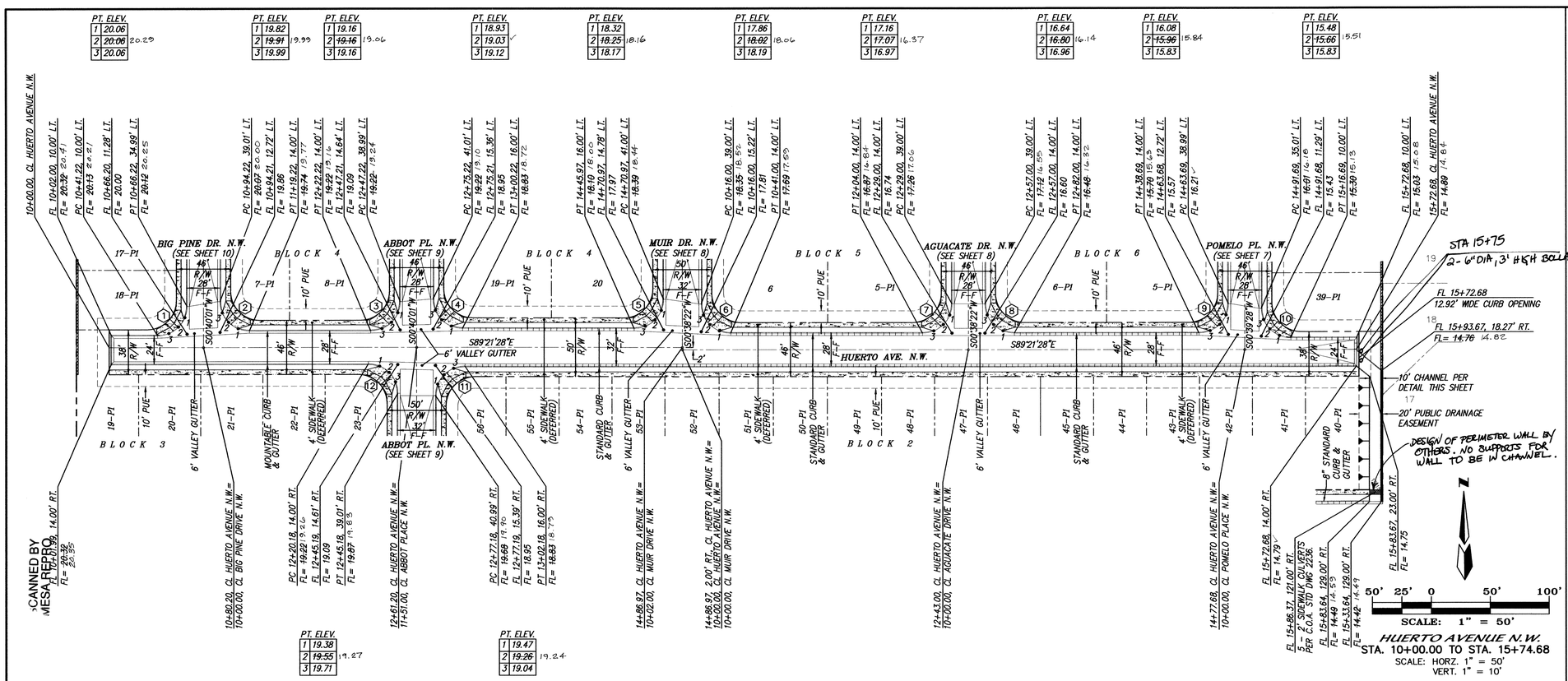
CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET OF 10 31

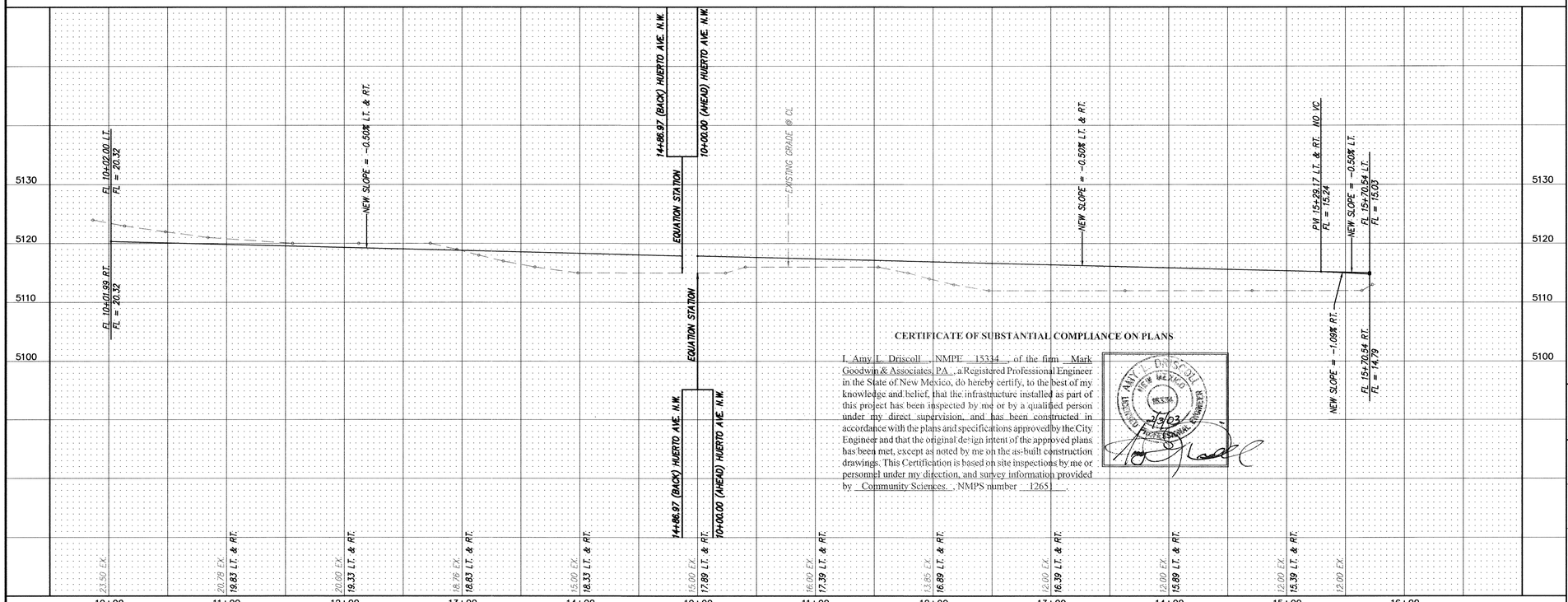
A01jobs\A1096lvn\A1096pp4.dwg\07–30–02\DER NHE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 69 13.81 1064

SCANNED BY MESA REPRO

F:\A01JOBS\A1096LVN\plans\A1096pp4.dwg Tue Jul 30 15:58:17 2002 D. MARK GOODWIN & ASSOCIATES; PLITED BY:





NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

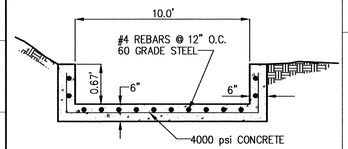
CURVE DATA – DESCRIBES FACE OF NEW CURB

(1) Δ = 89°58'31" R = 25.00' L = 39.26' T = 24.99'	(2) Δ = 90°01'29" R = 25.00' L = 39.28' T = 25.01'	(3) Δ = 89°58'31" R = 25.00' L = 39.26' T = 24.99'
(4) Δ = 90°01'29" R = 25.00' L = 39.28' T = 25.01'	(5) Δ = 90°00'10" R = 25.00' L = 39.27' T = 25.00'	(6) Δ = 89°59'50" R = 25.00' L = 39.27' T = 25.00'
(7) Δ = 90°00'10" R = 25.00' L = 39.27' T = 25.00'	(8) Δ = 89°59'50" R = 25.00' L = 39.27' T = 25.00'	(9) Δ = 89°59'03" R = 25.00' L = 39.26' T = 24.99'
(10) Δ = 90°00'57" R = 25.00' L = 39.28' T = 25.01'	(11) Δ = 89°58'31" R = 25.00' L = 39.26' T = 24.99'	(12) Δ = 90°01'29" R = 25.00' L = 39.28' T = 25.01'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I Amy L. Driscoll, NMPE 15334, 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 Community Sciences, NMPS number 1265.

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER 2/3/03



CONCRETE RUNDOWN SECTION

N.T.S.

SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS STATION J-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "J-H10". X= 356,889.72, Y= 1493922.98 (NAD 1927) ELEVATION= 5193.38 (SLD 1929)

AS BUILT INFORMATION

CONTRACTOR	FRANKLIN'S	DATE 6/03
WORK INSPECTED BY	CSC	DATE 2/03
INSPECTOR'S ACCEPTANCE BY	AuD	DATE 2/03
VERIFICATION BY	CSC	DATE 2/03
AS-BUILTS CORRECTED BY	CSC	DATE 2/03
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY	ALD	DATE 03/02
DRAWN BY	DER	DATE 03/02
CHECKED BY	DMG	DATE 03/02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *LADERA VISTA SUBDIVISION HUERTO AVENUE N.W. PAVING IMPROVEMENTS*

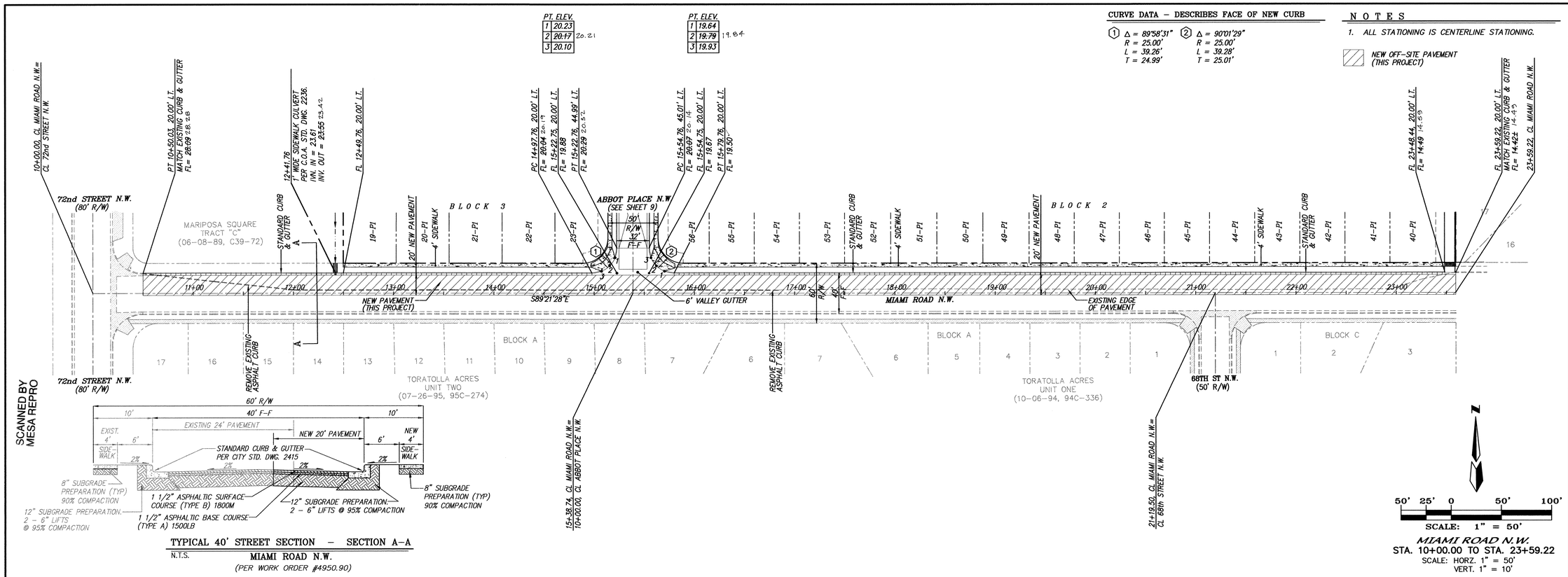
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
SEP 17 2002 DESIGN REVIEW COMMITTEE	SEP 26 2002 CITY ENGINEER			

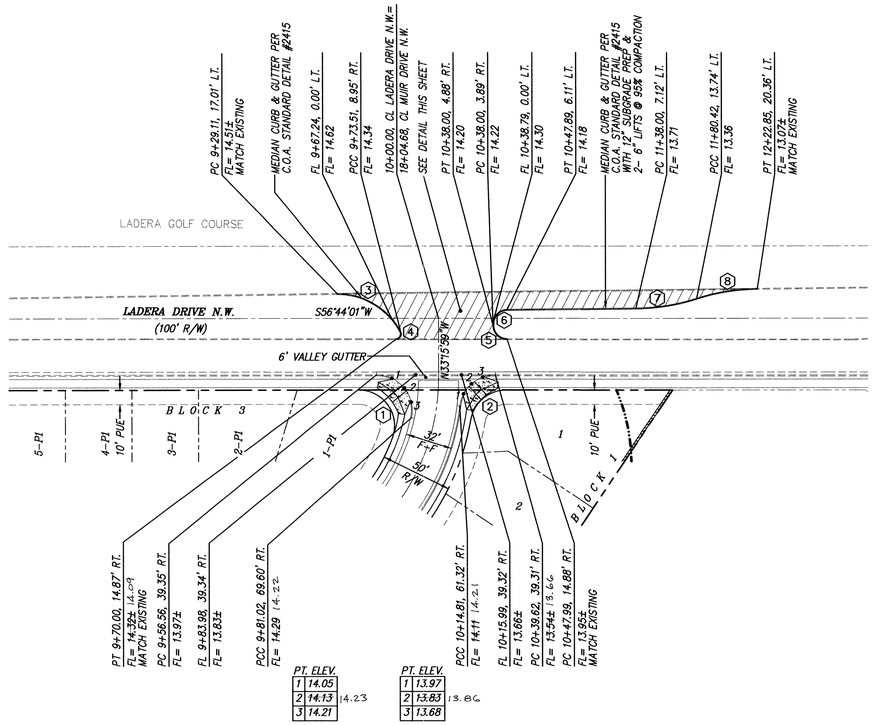
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
691381	H-10-Z	11	31

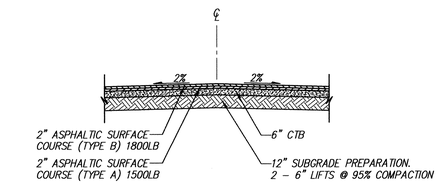
A01jobs\A1096lvn\A1096pp5.dwg\07-30-02\DER NHE

CANNED BY MESA REPRO

F:\A01JOBS\A1096LVN\plans\A1096pp5.dwg Tue Jul 30 16:01:02 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY:

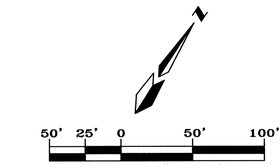

PT. ELEV.
1 20.23
2 20.17
3 20.10
20.21
PT. ELEV.
1 19.64
2 19.79
3 19.93
19.84
CURVE DATA – DESCRIBES FACE OF NEW CURB
1 Δ = 89°58'31" R = 25.00' L = 39.26' T = 24.99'
2 Δ = 90°01'29" R = 25.00' L = 39.28' T = 25.01'
NOTES
1. ALL STATIONING IS CENTERLINE STATIONING.
NEW OFF-SITE PAVEMENT (THIS PROJECT)
10+00.00, CL MIAMI ROAD N.W.= CL 72nd STREET N.W.
72nd STREET N.W. (80' R/W)
PT 10+50.03, 20.00' LT. MATCH EXISTING CURB & GUTTER FL= 28.09 i=8.8
MARIPOSA SQUARE TRACT "C" (06-08-89, C39-72)
12+41.76 1' WIDE SIDEWALK CULVERT PER C.O.A. STD. DWG. 2236. I/N, IN = 23.61 INV, OUT = 23.55 i=3.42.
FL 12+49.76, 20.00' LT.
STANDARD CURB & GUTTER
19-P1
20' NEW PAVEMENT
20-P1
4' SIDEWALK
BLOCK 3
21-P1
22-P1
PC 14+97.76, 20.00' LT. FL= 26.04 i=2.19
FL 15+22.75, 20.00' LT. FL= 19.88
PT 15+22.76, 44.99' LT. FL= 20.29 i=2.52
23-P1
ABBOT PLACE N.W. (SEE SHEET 9)
50' R/W 32' F-F
PC 15+54.76, 45.01' LT. FL= 20.07 i=2.14
FL 15+54.75, 20.00' LT. FL= 19.67
PT 15+79.76, 20.00' LT. FL= 19.50
56-P1
55-P1
54-P1
53-P1
STANDARD CURB & GUTTER
52-P1
4' SIDEWALK
51-P1
50-P1
49-P1
20' NEW PAVEMENT
48-P1
BLOCK 2
47-P1
46-P1
45-P1
44-P1
4' SIDEWALK
43-P1
STANDARD CURB & GUTTER
42-P1
41-P1
40-P1
FL 23+48.44, 20.00' LT. FL= 14.49 i=4.59
MATCH EXISTING CURB & GUTTER FL= 14.422 i=4.41
FL 23+59.22, 20.00' LT. 23+59.22, CL MIAMI ROAD N.W.
11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00
NEW PAVEMENT (THIS PROJECT)
S89°21'28"E
6' VALLEY GUTTER
60' R/W
40' F-F
MIAMI ROAD N.W.
EXISTING EDGE OF PAVEMENT
REMOVE EXISTING ASPHALT CURB
REMOVE EXISTING ASPHALT CURB
72nd STREET N.W. (80' R/W)
TORATOLLA ACRES UNIT TWO (07-26-95, 95C-274)
BLOCK A
BLOCK A
TORATOLLA ACRES UNIT ONE (10-06-94, 94C-336)
BLOCK C
68TH ST N.W. (50' R/W)
15+38.74, CL MIAMI ROAD N.W.= 10+00.00, CL ABBOT PLACE N.W.
21+19.50, CL MIAMI ROAD N.W.= CL 68th STREET N.W.
SCANNED BY MESA REPRO
60' R/W
10' 40' F-F 10'
EXIST. 4' SIDE-WALK 6'
EXISTING 24' PAVEMENT
NEW 20' PAVEMENT
6' NEW 4' SIDE-WALK
2%
STANDARD CURB & GUTTER PER CITY STD. DWG. 2415
8" SUBGRADE PREPARATION (TYP) 90% COMPACTION
12" SUBGRADE PREPARATION. 2 - 6" LIFTS @ 95% COMPACTION
1 1/2" ASPHALTIC SURFACE COURSE (TYPE B) 1800M
1 1/2" ASPHALTIC BASE COURSE (TYPE A) 1500LB
12" SUBGRADE PREPARATION 2 - 6" LIFTS @ 95% COMPACTION
8" SUBGRADE PREPARATION (TYP) 90% COMPACTION
TYPICAL 40' STREET SECTION – SECTION A-A
N.T.S.
MIAMI ROAD N.W.
(PER WORK ORDER #4950.90)
50' 25' 0 50' 100'
SCALE: 1" = 50'
MIAMI ROAD N.W.
STA. 10+00.00 TO STA. 23+59.22
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'
100' V.C. LT. MO = -0.29' K = 43
100' V.C. LT. & RT. MO = -0.20' K = 63
PVC 10+50.00 LT. FL = 28.09
NEW SLOPE = -0.60% LT.
PVI 11+00.00 LT. FL = (27.79) 27.50
PVT 11+50.00 LT. FL = 26.34
NEW SLOPE = -2.90% LT.
PVI 12+50.00 LT. NO VC FL = 23.44
NEW SLOPE = -2.24% LT. & RT.
PVC 13+11.00 LT. FL = 22.07
PVI 13+61.00 LT. FL = (20.95) 21.15
PVT 14+11.00 LT. FL = 20.69
EXISTING GRADE @ EXISTING EDGE OF ASPHALT
NEW SLOPE = -0.49% LT.
15.19 HI
23+59.22 FL = 14.422 MATHC EXISTING
14.80 LT.
5140 5130 5120 5110
10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00
27.50 LT. 27.50 EX. 26.02 EX. 24.85 LT. 22.90 EX. 22.32 LT. 21.57 EX. 20.71 LT. 20.84 EX. 20.00 LT. 20.09 EX. 19.35 LT. 19.31 EX. 18.70 LT. 18.41 EX. 18.05 LT. 17.67 EX. 17.40 LT. 16.90 EX. 16.75 LT. 16.22 EX. 16.10 LT. 15.54 EX. 15.57 LT.
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS
I Amy L. Driscoll , NMPE 15334 , 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 Community Sciences , NMPS number 12651
AMY L DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
BENCH MARKS
ACS STATION J-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD. GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD AGS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "J-H10". X= 356,889.72, Y= 1493922.98, (NAD 1927) ELEVATION= 5193.38 (SLD 1929)
AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S DATE 1/02
WORK STAKED BY CSC DATE 2/02
INSPECTORS FIELD TOLERANCE BY MD DATE 2/02
VERIFICATION BY CSC DATE 2/03
PLANS REVISED BY DATE 2/03
CORRECTED BY CSC DATE 3/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
ENGINEER'S SEAL
NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER AMY L. DRISCOLL
NO. DATE REMARKS BY
REVISIONS
DESIGNED BY ALD DATE 03/02
DRAWN BY DER DATE 03/02
CHECKED BY DMG DATE 03/02
dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS
P.O. BOX 90606 0000
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT 0000
TITLE: LADERA VISTA SUBDIVISION
MIAMI ROAD N.W.
OFF-SITE PAVING IMPROVEMENTS
DESIGN REVIEW COMMITTEE
SEP 17 2002
JOINT REVIEW COMMITTEE
CITY ENGINEER APPROVAL
SEP 26 2002
LAST DESIGN UPDATE
MO./DAY/YR.
CITY PROJECT NO. 691381
ZONE MAP NO. H-10-Z
SHEET 12 OF 31
A01jobs\A1096lvn\A1096pp6.dwg\09-05-02\DER NHE
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6913.81 1/2004
F:\A01JOBS\A1096LVN\plans\A1096pp6.dwg Thu Sep 05 16:33:28 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER





LADERA DRIVE STREET SECTION

N.T.S. (PER WORK ORDER #1577)



LADERA DRIVE N.W.
STA. 9+29.11 TO STA. 12+22.85
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

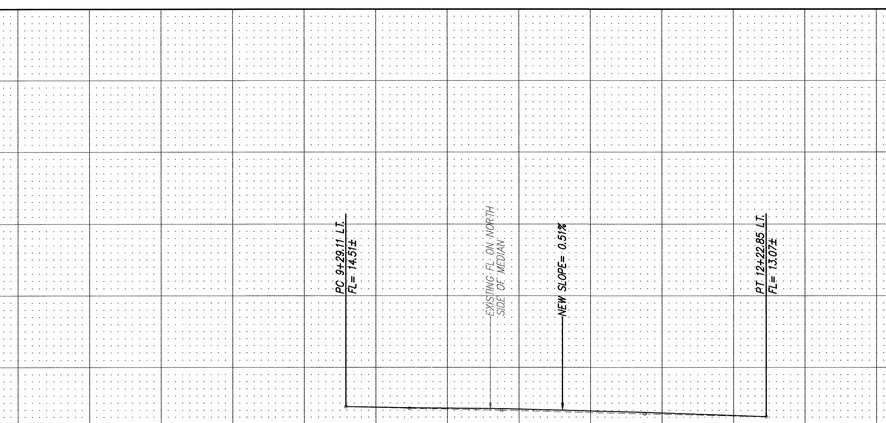
1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA – DESCRIBES FACE OF NEW CURB

① Δ = 102°08'28"	② Δ = 83°06'23"	③ Δ = 61°54'18"
R = 25.00'	R = 25.00'	R = 50.00'
L = 44.57'	L = 36.26'	L = 54.02'
T = 30.95'	T = 22.16'	T = 29.99'
④ Δ = 118°44'07"	⑤ Δ = 89°57'06"	⑥ Δ = 89°21'35"
R = 4.00'	R = 10.00'	R = 10.00'
L = 8.29'	L = 15.70'	L = 15.60'
T = 6.75'	T = 9.99'	T = 9.89'
⑦ Δ = 16°27'27"	⑧ Δ = 16°27'27"	
R = 150.00'	R = 150.00'	
L = 43.09'	L = 43.09'	
T = 21.69'	T = 21.69'	

LEGEND

▨ PROPOSED NEW PAVEMENT



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences., NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 LICENSED PROFESSIONAL ENGINEER 7/5/02

A01jobs\A1096lvn\A1096pp8.dwg\09-05-02\DER

SCANNED BY MESA REPRO

F:\A01JOBS\A1096LVN\plans\A1096pp8.dwg Thu Sep 05 16:32:48 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

AS BUILT INFORMATION

CONTRACTOR FRANKLIN'S DATE 10/02
WORK STAKED BY CSC DATE 2/03
ASBUILT SURVEY BY ALD ACCEPTANCE DATE 2/03
FIELD VERIFICATION BY CSC DATE 4/03
DRAWINGS CORRECTED BY CSC DATE 2/03
MICRO-FILM INFORMATION 4/04
RECORDED BY DATE
NO.

BENCH MARKS

ACS STATION 3-H10, TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "3-H10". X= 356,889.72, Y= 1493922.98, ELEVATION= 5193.38 (SLD 1929).

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER 7/5/02

NO.	DATE	REMARKS	BY	DATE
		REVISIONS		
		DESIGN	ALD	07/02
			DER	07/02
			DWG	07/02

DESIGNED BY
DRAWN BY
CHECKED BY

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

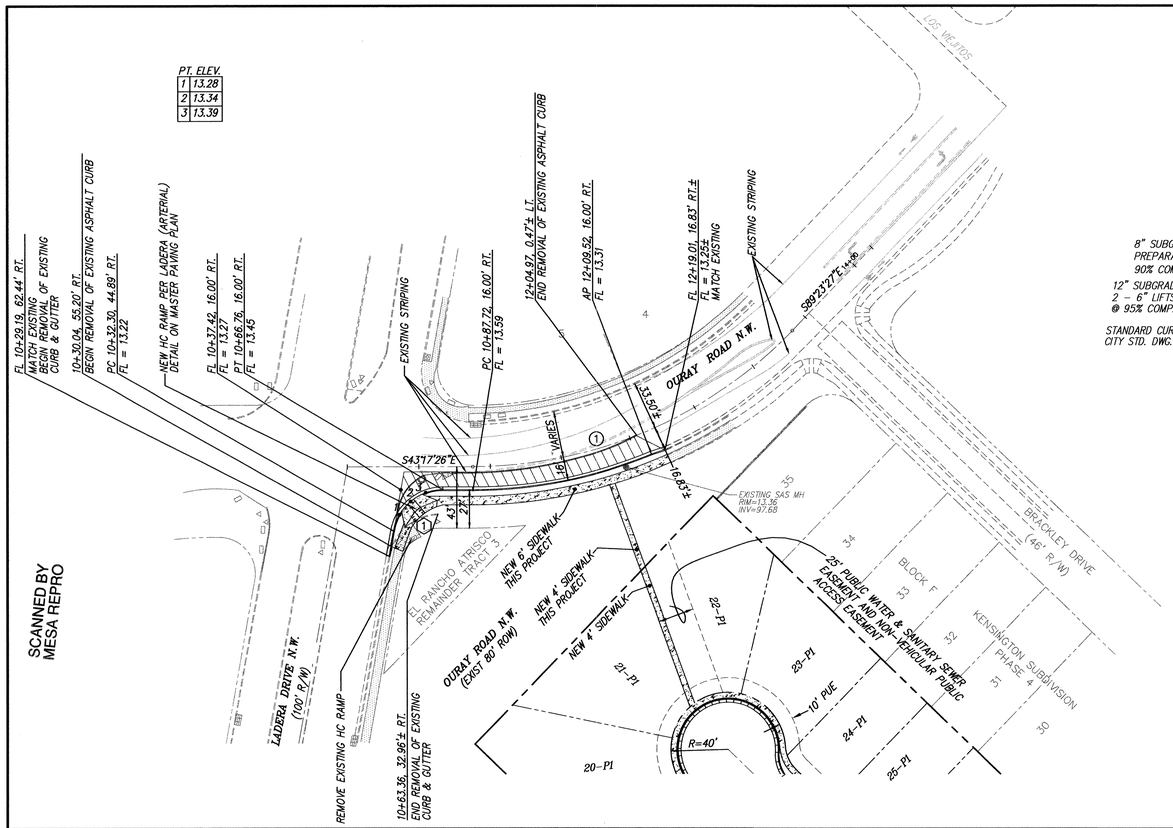
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

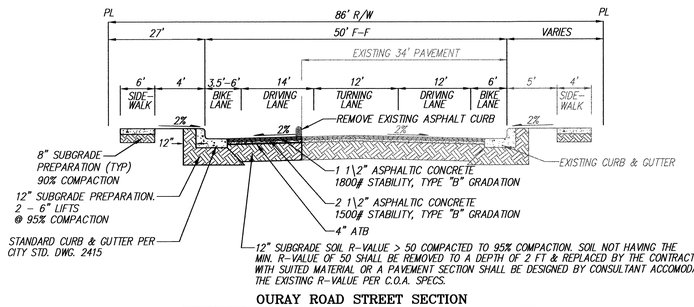
TITLE: LADERA VISTA SUBDIVISION
LADERA DRIVE N.W.
OFF-SITE PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
SEP 17 2002 DESIGN REVIEW COMMITTEE	APPROVED SEP 26 2002 CITY ENGINEER			

CITY PROJECT NO. 691381
ZONE MAP NO. H-10-Z
SHEET 13 OF 31

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 69 13.18 11 13014





OURAY ROAD STREET SECTION

N.T.S. (PER WORK ORDERS 623182, CT-28-8)

LEGEND

PROPOSED NEW PAVEMENT

50' 25' 0 50' 100'

SCALE: 1" = 50'

OURAY ROAD N.W.
STA. 10+00.00 TO STA. xx+xx
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

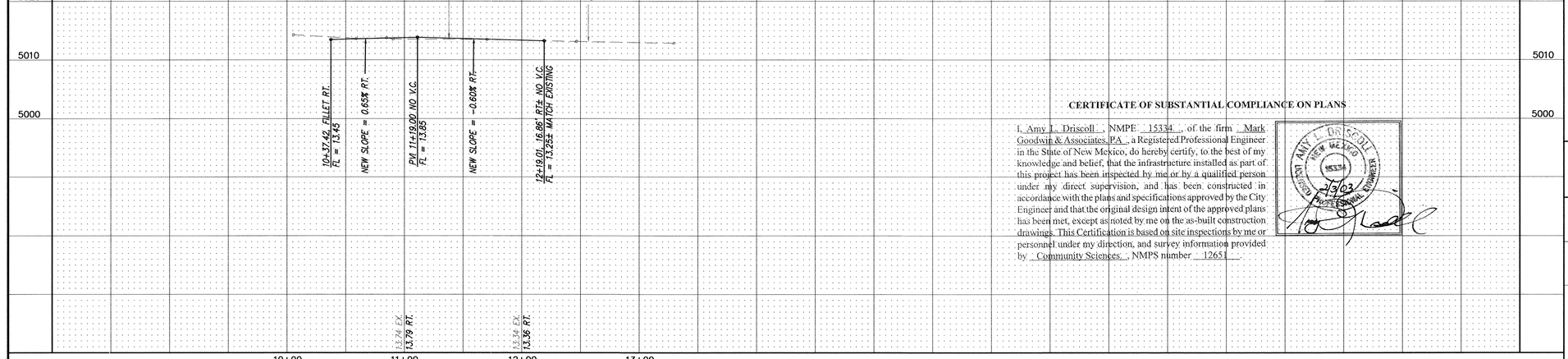
CURVE DATA – DESCRIBES CENTERLINE

① Δ = 46°06'02"
R = 310'
T = 131.91'
L = 249.43'

CURVE DATA – DESCRIBES FACE OF NEW CURB

① Δ = 79°56'47"
R = 35.00'
T = 29.34'
L = 48.84'

② Δ = 22°30'43"
R = 326.00'
T = 64.88'
L = 128.09'



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences, NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER 2/3/03

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS STATION 3-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "3-H10".
X= 356,888.72, Y= 1493922.98. (NAD 1927)
ELEVATION= 5193.38 (SLD 1929).

AS BUILT INFORMATION

CONTRACTOR	FRANKLIN'S	DATE 8/02
WORK INSPECTORS	CSC	
ACCEPTANCE BY	MJD	DATE 3/03
FIELD VERIFICATION BY	CSC	DATE 8/03
DRAWINGS CORRECTED BY	CSC	DATE 3/03
	MICRO-FILM INFORMATION	DATE
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL
AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER 9/6/02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	ALD	DATE 03/02	
DRAWN BY	DER	DATE 03/02	
CHECKED BY	DMG	DATE 03/02	

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *LADERA VISTA SUBDIVISION*
OURAY ROAD N.W.
OFF-SITE PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	MO./DAY/YR.	CITY ENGINEER APPROVAL	MO./DAY/YR.
APPROVED SEP 17 2002 DESIGN REVIEW COMMITTEE		APPROVED SEP 26 2002 CITY ENGINEER	

LAST DESIGN UPDATE

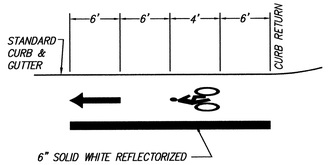
CITY PROJECT NO. 691381
ZONE MAP NO. H-10-Z
SHEET 14 OF 31

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6913.81 1404

A01jobs\A1096lvn\A1096pp7.dwg\07-30-02\DER NHE

F:\A01JOBS\A1096LVN\plans\A1096pp7.dwg Thu Sep 05 16:32:16 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

SCANNED BY
MESA REPRO



BIKE LANE MARKING

N.T.S.

KEYED STRIPING NOTES

(A) 8' WHITE REFLECTORIZED PREFORMED PLASTIC LEFT TURN ARROW PER MUTCD R3-5.

(B) 409 LF OF 4" SOLID DOUBLE YELLOW REFLECTORIZED PREFORMED PLASTIC STRIPING PER MUTCD.

(C) 8' WHITE REFLECTORIZED PREFORMED PLASTIC RIGHT TURN AND THROUGH ARROW PER MUTCD R3-6.

(D) 97 LF OF 4" SOLID WHITE REFLECTORIZED PREFORMED PLASTIC STRIPING PER THE MUTCD.

(E) STRIPING ERADICATION SHALL BE ACCOMPLISHED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAX. DEPTH OF 0.25" AND FOR A WIDTH EQUAL TO TWO TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.

(F) 236 LF OF 6" SOLID WHITE REFLECTORIZED PREFORMED PLASTIC STRIPING PER MUTCD.

(G) 259 LF OF 6" SOLID WHITE REFLECTORIZED PREFORMED PLASTIC STRIPING PER MUTCD.

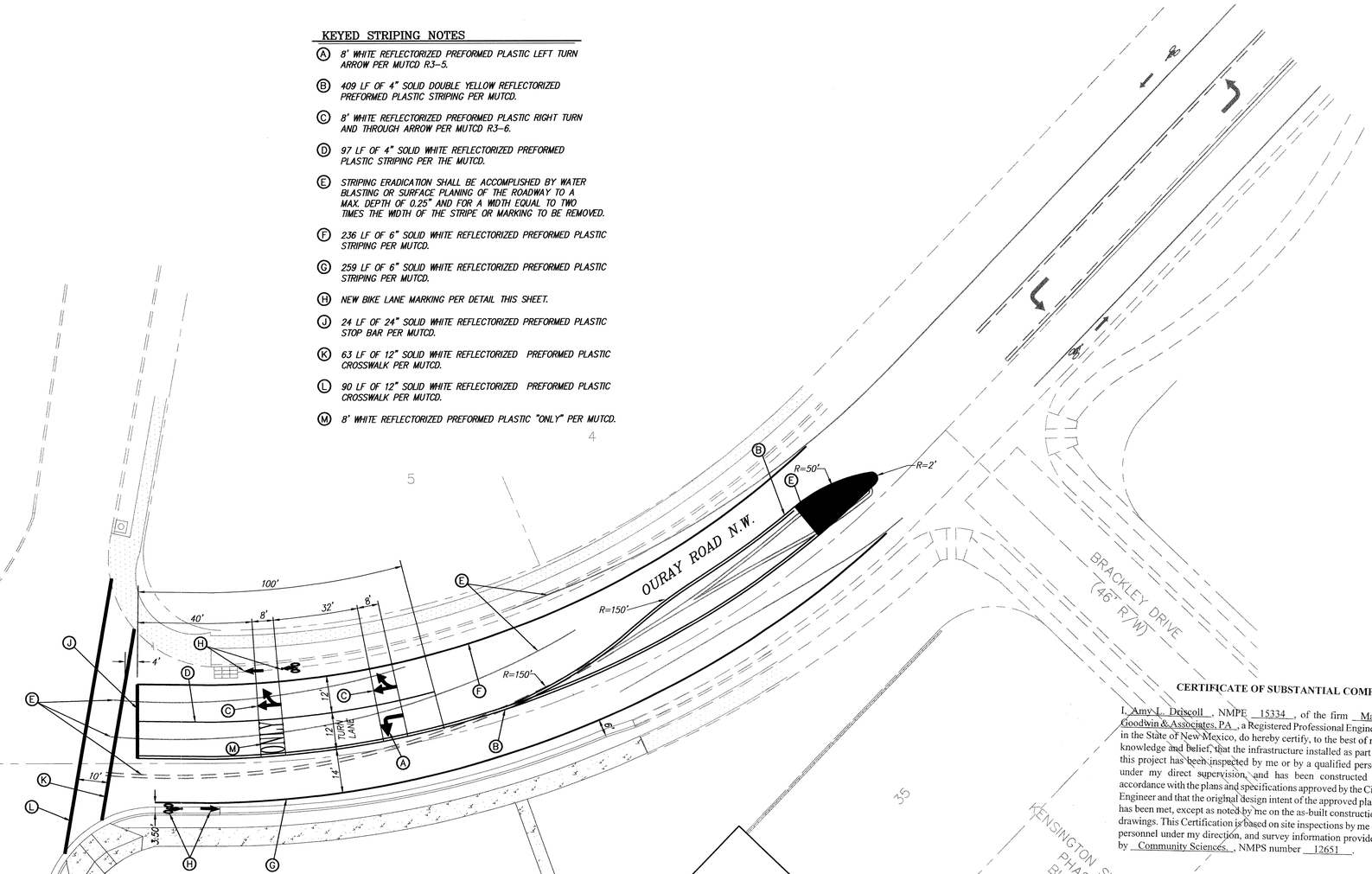
(H) NEW BIKE LANE MARKING PER DETAIL THIS SHEET.

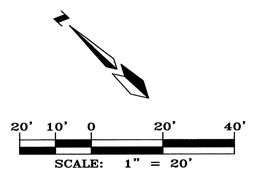
(J) 24 LF OF 24" SOLID WHITE REFLECTORIZED PREFORMED PLASTIC STOP BAR PER MUTCD.

(K) 63 LF OF 12" SOLID WHITE REFLECTORIZED PREFORMED PLASTIC CROSSWALK PER MUTCD.

(L) 90 LF OF 12" SOLID WHITE REFLECTORIZED PREFORMED PLASTIC CROSSWALK PER MUTCD.

(M) 8' WHITE REFLECTORIZED PREFORMED PLASTIC "ONLY" PER MUTCD.





CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences, NMPS number 12651.

AMY L DRISCOLL LICENSED PROFESSIONAL ENGINEER NEW MEXICO 15334

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS STATION 3-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED 3-H10'. X= 356,889.72, Y= 1493922.98, (NAD 1927)
ELEVATION= 5193.38 (SLD 1929).

A.S. BUILT INFORMATION

CONTRACTOR FRANKLIN'S DATE 4/03
WORK STAKED BY CSC DATE 3/03
INSPECTOR'S ACCEPTANCE BY ALD DATE 3/03
FIELD VERIFICATION BY CSC DATE 3/03
DRAWINGS CORRECTED BY CSC DATE 3/03

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

ENGINEER'S SEAL

AMY L DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	ALD
		DRAWN BY	DER
		CHECKED BY	DMG

DATE 07/02
DATE 07/02
DATE 07/02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: LADERA VISTA SUBDIVISION
OURAY ROAD N.W.
OFF-SITE STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
SEP 17 2002 REVIEW COMMITTEE	APPROVED SEP 26 2002 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
691381	H-10-Z	15	31

A01jobs\A1096lvn\A1096strp.dwg\09-13-02\DER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 691381 1504

SCANNED BY MESA REPRO

F:\A01JOBS\A1096LVN\plans\A1096strp.dwg Fri Sep 13 12:00:19 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

SCANNED BY
MESA REPRO

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.

LEGEND

1. PRIOR TO INSTALLING TRAFFIC POLES, CONFIRM LOCATION WITH TRAFFIC ENGINEERING (505) 857-8000.

KEYED NOTES

(1) 3" AND 2" PVC CONDUIT (NO UNDERGROUND SPLICING). REPLACE CABLE FILL IN KIND.

(2) NEW PAVEMENT PER DETAIL ON OURAY ROAD OFF-SITE PAVING SHEET.

(3) 6'x 40' BIPOLE LOOP DETECTOR PER C.O.A. STANDARD DETAIL #2522.

(4) 6'x 40' QUADRAPOLE LOOP DETECTOR PER C.O.A. STANDARD DETAIL #2522.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences., NMPS number 12651.

AMY L DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

EXISTING STREET LIGHT

REPLACE EXISTING PULL BOX WITH NEW ONE

10+72.16±, 45.82'± LT.
PULL BOX PER C.O.A.
STD. DETAIL #2521

10+63.41±, 18.75'± RT.
PULL BOX PER C.O.A.
STD. DETAIL #2521

10+33.54±, 50.15'± RT.
PULL BOX PER C.O.A.
STD. DETAIL #2521

EXISTING STREET LIGHT

REMOVE EXISTING TRAFFIC SIGNAL & MAST ARM FROM STA. 10+66.76±, 5.41'± RT

10+66.76, 28.00' RT.
NEW 30 FT MAST ARM FOUNDATION PER C.O.A. STANDARD DETAIL #2526. PROVIDE CABLE FILL IN KIND. INCLUDE STREET NAME (LADERA DRIVE NW) WITH BLOCK NUMBER (2500). PROVIDE 2 HORIZONTAL, 3 SECTION SIGNALS PER ATTACHED DETAILS. POLE LOCATION IS SCHEMATIC. CONTACT ED TOLEDO AT TRAFFIC ENGINEERING (857-8004) PRIOR TO INSTALLING.

REMOVE EXISTING PULL BOXES

OURAY ROAD N.W.

LADERA DRIVE N.W.
(100 R/W)

OURAY ROAD N.W.
(EXIST 80' ROW)

BRACKLEY DRIVE
(46' R/W)

EL RANCHO ATRISCO
REMAINDER TRACT 3

KENSINGTON SUBDIVISION
PHASE 4
BLOCK F

EX 12"WL
EX 10"SAS
EX 8"WL
EX 30"W TRANS LINE
EX 24"SD
EX 30"W TRANS LINE

10+00
11+00
12+00
13+00
14+00

21-P1
22-P1
23-P1
24-P1

32
33
34
35

LEGEND

- EXISTING CURB & GUTTER
- EXISTING ASPHALT CURB
- EXISTING BOUNDARY LINE
- EXISTING ADJOINING PROPERTY LINE
- EXISTING CONCRETE/SIDEWALK
- EXISTING TRAFFIC LIGHT
- EXISTING STORM DRAIN INLET
- EXISTING STROM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING POWER POLE
- EXISTING OH ELECTRIC & TELEPHONE LINE
- EXISTING TRANSFORMER
- EXISTING PEDESTAL
- EXISTING GAS VALVE/MARKER
- EX 8"WL — EXISTING WATERLINE
- EXISTING WATER GATE VALVE
- EXISTING FIRE HYDRANT
- EX 8"SAS — EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING UNDER GROUND GAS
- EXISTING UNDER GROUND CABLE
- EXISTING UNDER GROUND ELECTRIC LINE
- EXISTING UNDER GROUND TELEPHONE LINE
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM MANHOLE
- PROPOSED STORM DRAIN INLET
- 8"WL — PROPOSED WATERLINE
- PROPOSED WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED SINGLE WATER METER
- PROPOSED DOUBLE WATER METER
- 8"SAS — PROPOSED SANITARY SEWER
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER SERVICE
- PROPOSED STANDARD CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED LOT LINE
- PROPOSED/EXISTING EASEMENT LINE
- PROPOSED CONCRETE SIDEWALK

20' 10' 0 20' 40'
SCALE: 1" = 20'

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 69 13.81 1604

AS BUILT INFORMATION
CONTRACTOR: Frankland's
WORK STAKED BY: CSC — DATE 8/02
INSPECTOR'S ACCEPTANCE BY: ALD — DATE 9/03
FIELD DRAWINGS BY: CSC — DATE 9/03
DRAWINGS CORRECTED BY: CSC — DATE 9/03
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS STATION 3-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "3-H10". X= 356,889.72, Y= 1493922.98, (NAD 1927)
ELEVATION= 5193.38 (SLD 1929).

SURVEY INFORMATION
FIELD NOTES — NO. — BY — DATE

ENGINEER'S SEAL
AMY L DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER
5/7/02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	ALD
		DRAWN BY	DER
		CHECKED BY	DMG

DATE 07/02 | DATE 07/02 | DATE 07/02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: LADERA VISTA SUBDIVISION
OURAY ROAD N.W.
OFF-SITE TRAFFIC SIGNAL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED SEP 17 2002 REVIEW COMMITTEE	APPROVED SEP 26 2002 CITY ENGINEER			

CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET 16 OF 31

A01jobs\A1096lvn\A1096trlp.dwg\09-05-02\DER

F:\A01JOBS\A1096LVN\plans\A1096trlp.dwg Thu Sep 05 17:02:43 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

SECTION
SERVICE LINE FOR 3/4" – 1" METER

PLAN
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.

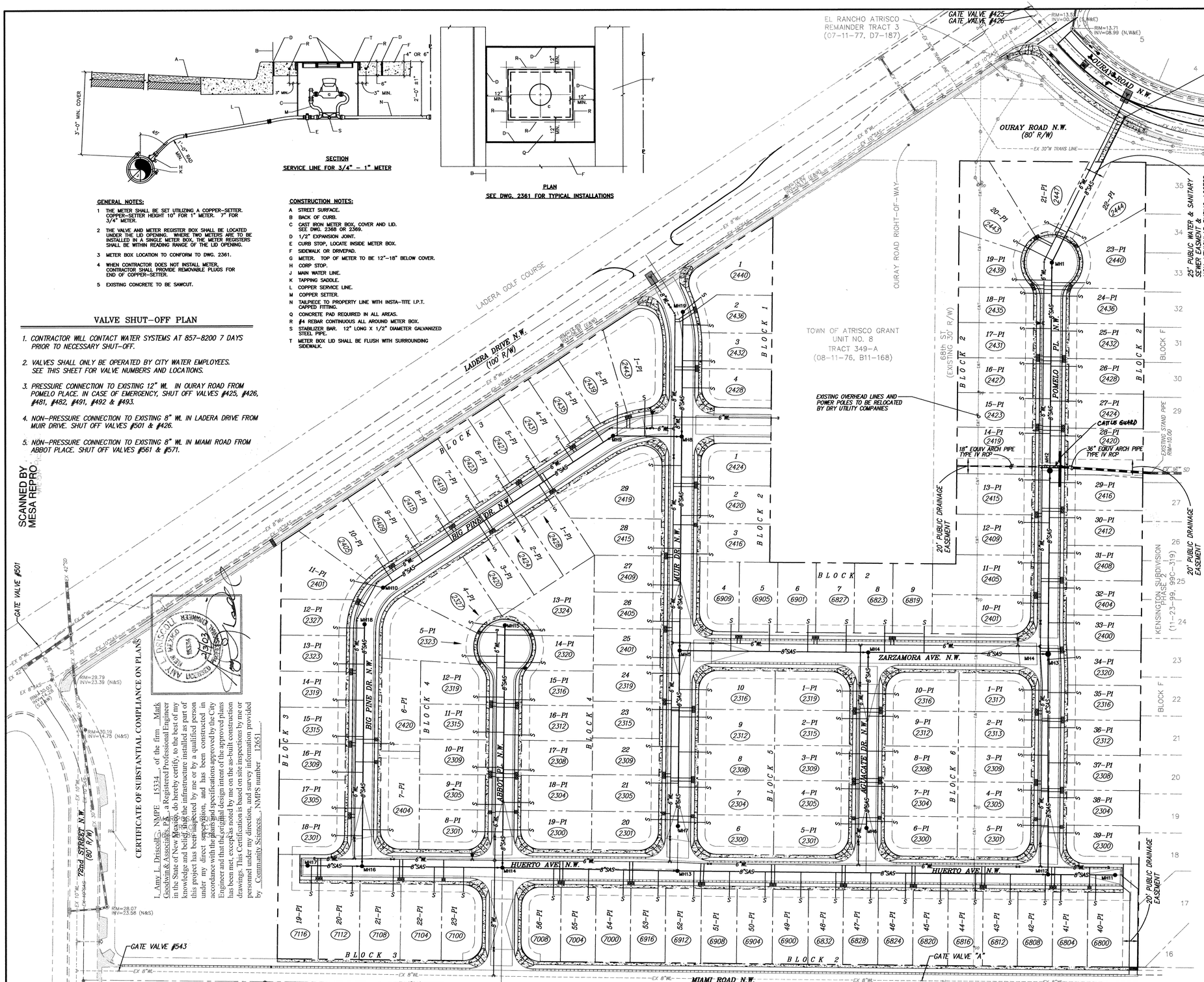
VALVE SHUT–OFF PLAN

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857–8200 7 DAYS PRIOR TO NECESSARY SHUT–OFF.
2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES. SEE THIS SHEET FOR VALVE NUMBERS AND LOCATIONS.
3. PRESSURE CONNECTION TO EXISTING 12" WL IN OURAY ROAD FROM POMELO PLACE. IN CASE OF EMERGENCY, SHUT OFF VALVES #425, #426, #481, #482, #491, #492 & #493.
4. NON–PRESSURE CONNECTION TO EXISTING 8" WL IN LADERA DRIVE FROM MUIR DRIVE. SHUT OFF VALVES #501 & #426.
5. NON–PRESSURE CONNECTION TO EXISTING 8" WL IN MIAMI ROAD FROM ABBOT PLACE. SHUT OFF VALVES #561 & #571.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences., NMPS number 12651.

DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER AMY L. 2/3/03



LEGEND

- EXISTING CURB & GUTTER
- EXISTING ASPHALT CURB
- EXISTING BOUNDARY LINE
- EXISTING ADJOINING PROPERTY LINE
- EXISTING CONCRETE/SIDEWALK
- EXISTING TRAFFIC LIGHT
- EXISTING STORM DRAIN INLET
- EXISTING STROM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING POWER POLE
- EXISTING OH ELECTRIC & TELEPHONE LINE
- EXISTING TRANSFORMER
- EXISTING PEDESTAL
- EXISTING GAS VALVE/MARKER
- EXISTING WATERLINE
- EXISTING WATER GATE VALVE
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING UNDER GROUND GAS
- EXISTING UNDER GROUND CABLE
- EXISTING UNDER GROUND ELECTRIC LINE
- EXISTING UNDER GROUND TELEPHONE LINE
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED WATERLINE
- PROPOSED WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED SINGLE WATER METER
- PROPOSED DOUBLE WATER METER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER SERVICE
- PROPOSED STANDARD CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED LOT LINE
- PROPOSED/EXISTING EASEMENT LINE
- PROPOSED CENTERLINE
- PROPOSED CONCRETE SIDEWALK
- (XXXX) PROPOSED STREET ADDRESS

N

60' 30' 0 60' 120'

SCALE: 1"= 60'

26 69 13. 81 17 04

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:
LADERA VISTA SUBDIVISION MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED SEP 17 2002 REVIEW COMMITTEE	APPROVED SEP 26 2002 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
691381	H–10–Z	17	31

AS BUILT INFORMATION

CONTRACTOR	FRANKLIN'S	DATE 10/02
SURVEY BY STAKED BY	CSC	DATE 3/03
INSPECTOR'S ACCEPTANCE BY	ALD	DATE 3/03
FIELD VERIFICATION BY	CSC	DATE 3/03
DRAWING CORRECTED BY	CSC	DATE 3/03

MICRO–FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS STATION 3–H10, TO REACH STATION FROM THE INTERSECTION OF I–40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "3–H10".
X= 356,889.72, Y= 1493922.98, (NAD 1927)
ELEVATION= 5163.38 (SLD 1929)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

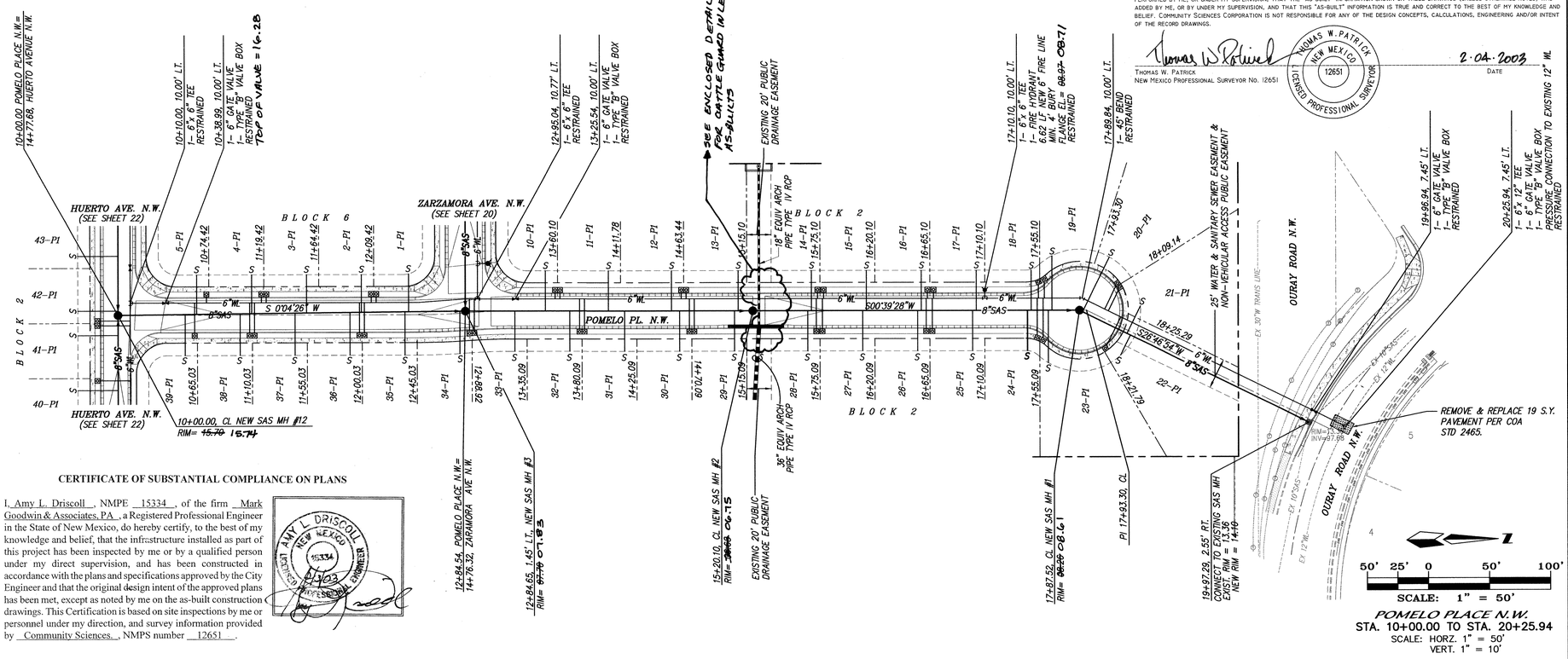
DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER AMY L. 2/3/03

NO.	DATE	REVISIONS / DESIGN	BY
DESIGNED BY	ALD	DATE	03/02
DRAWN BY	DER	DATE	03/02
CHECKED BY	DMG	DATE	03/02

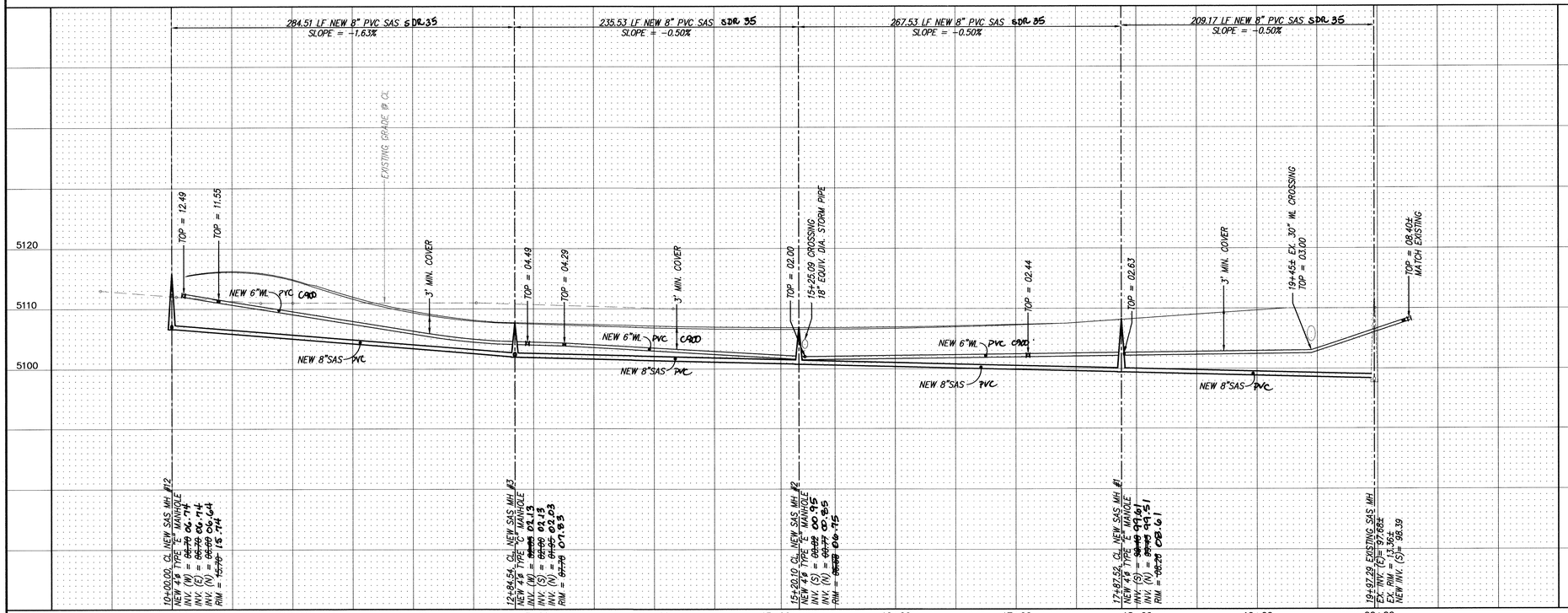
F:\A01jobs\A1096lvn\plans\A1096mu.dwg\09–05–02\DER NHE

SCANNED BY MESA REPRO

F:\A01JOBS\A1096LVN\plans\A1096mu.dwg Thu Sep 05 16:44:56 2002 D. MARK GOODWIN & ASSOCIATES PLTTED BY: DER



POMELO PLACE N.W.
STA. 10+00.00 TO STA. 20+25.94
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



10+00.00 CL NEW SAS MH #12
NEW 48 TYPE "E" MANHOLE
INV. (W) = 06.74
INV. (E) = 06.74
INV. (N) = 06.64
INV. (S) = 06.64
RIM = 15.74

12+84.54 CL NEW SAS MH #3
NEW 48 TYPE "E" MANHOLE
INV. (W) = 02.13
INV. (S) = 02.13
INV. (N) = 02.03
RIM = 07.85

15+20.10 CL NEW SAS MH #2
NEW 48 TYPE "E" MANHOLE
INV. (S) = 00.95
INV. (N) = 00.85
RIM = 06.75

17+87.52 CL NEW SAS MH #1
NEW 48 TYPE "E" MANHOLE
INV. (S) = 08.61
INV. (N) = 08.51
RIM = 08.61

19+97.29 EXISTING SAS MH
EX. INV. (E)= 97.68±
EX. RIM = 13.36±
NEW INV. (S)= 98.39

A01jobs\A1096lvn\A1096upp1.dwg\09-05-02\DER

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences., NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

SURVEYOR'S CERTIFICATE

I, THOMAS W. PATRICK, A DULY QUALIFIED LICENSED PROFESSIONAL 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 (UNLESS OTHERWISE NOTED) WAS ADDED BY ME, OR BY UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. COMMUNITY SCIENCES CORPORATION IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING AND/OR INTENT OF THE RECORD DRAWINGS.

Thomas W. Patrick
THOMAS W. PATRICK
NEW MEXICO PROFESSIONAL SURVEYOR No. 12651

THOMAS W. PATRICK NEW MEXICO 12651 LICENSED PROFESSIONAL SURVEYOR

2-04-2003
DATE

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. 3' MIN. COVER OVER TO OF WATERLINES.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
2	10	13+50.10	03.64	33.00'
2	11	14+01.78	03.39	33.00'
2	12	14+53.44	03.13	33.00'
2	13	15+08.10	02.34	33.00'
2	14	15+68.10	02.52	33.00'
2	15	16+13.10	02.32	33.00'
2	16	16+58.10	02.10	33.00'
2	17	17+03.10	01.88	33.00'
2	18	17+48.10	01.66	33.00'
2	19	17+65.10	01.80	44.64'
2	20	17+90.23	01.77	49.96'
2	21	18+31.51	01.06	25.05'
2	22	18+34.75	00.91	18.22'
2	23	17+62.09	01.79	42.99'
2	24	17+45.09	01.79	39.00'
2	25	17+00.09	01.89	33.00'
2	26	16+55.09	02.12	33.00'
2	27	16+10.09	02.34	33.00'
2	28	15+65.09	02.54	33.00'
2	29	15+05.09	02.85	33.00'
2	30	14+60.09	03.10	33.00'
2	31	14+15.09	03.32	33.00'
2	32	13+70.09	03.54	33.00'
2	33	13+25.09	03.76	33.00'
2	34	12+77.97	04.10	34.80'
2	35	12+35.03	04.81	35.40'
2	36	11+90.03	05.54	34.94'
2	37	11+45.03	06.28	34.48'
2	38	11+00.03	07.01	34.02'
2	39	10+55.03	07.74	33.56'
6	1	12+38.03	04.68	31.03'
6	2	11+99.42	05.31	30.97'
6	3	11+54.42	06.06	31.42'
6	4	11+09.42	06.81	31.88'
6	5	10+64.42	07.57	32.34'

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	–	–	46'

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
12"x12"x6"	15'	5'
6"x6"x6"	10'	2'

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6913.81 1804

AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S
WORK INSPECTORS BY CSC DATE 1/03
ACCEPTANCE BY MD DATE 2/03
VERIFICATION BY CSC DATE 2/03
DRAWINGS CORRECTED BY CSC DATE 2/03
MICPO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS STATION J-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "J-H10".
X= 356,889.72, Y= 1493922.98, (NAD 1927)
ELEVATION= 5193.38 (SLD 1929)

SURVEY INFORMATION
FIELD NOTES BY DATE

ENGINEER'S SEAL
DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER
6/03

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY ALD	DATE 03/02
		DRAWN BY DER	DATE 03/02
		CHECKED BY DMG	DATE 03/02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: LADERA VISTA SUBDIVISION
POMELO PLACE N.W.
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED SEP 17 2002 DESIGN REVIEW COMMITTEE				

CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET 18 OF 31

A01jobs\A1096lvn\A1096upp1.dwg\09-05-02\DER

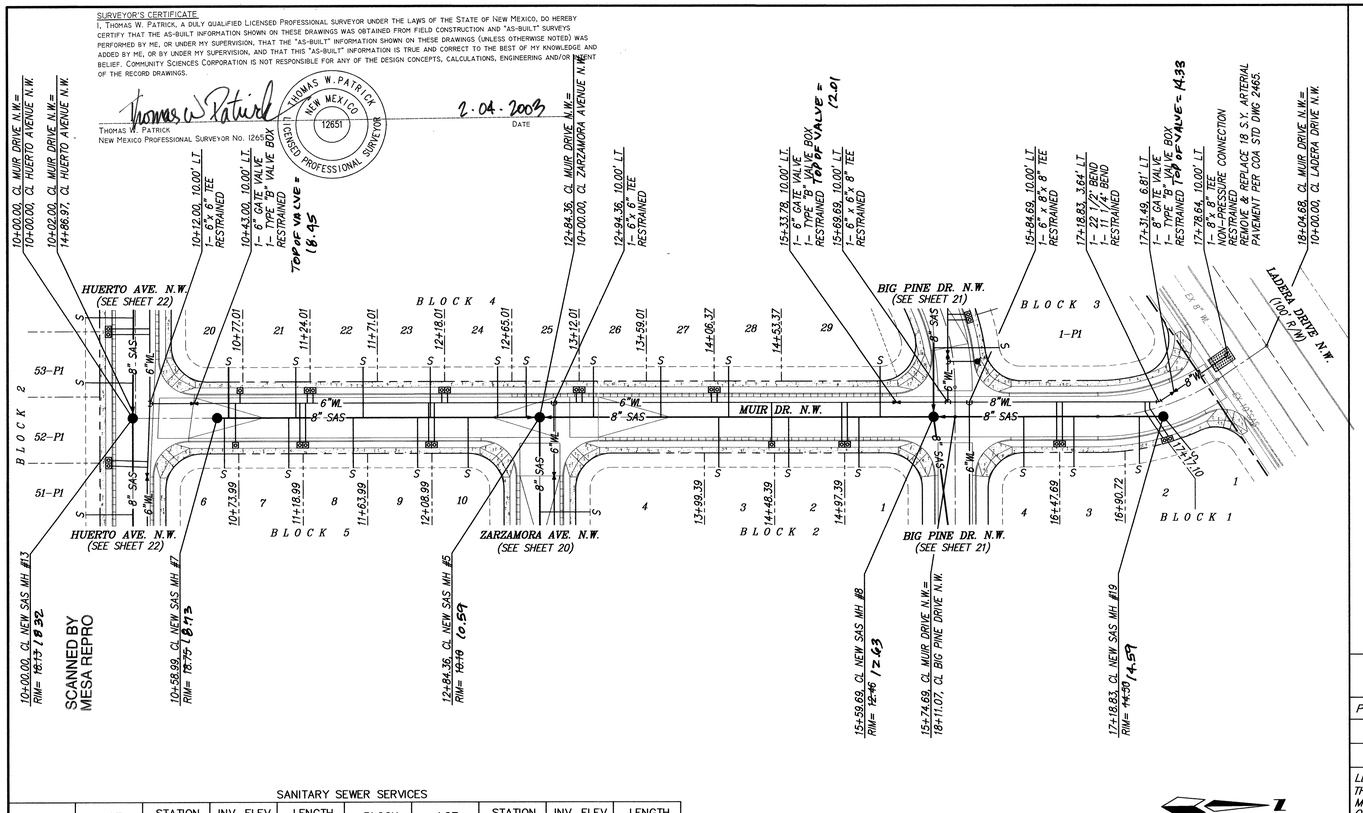
SCANNED BY MESA REPRO

F:\A01JOBS\A1096LVN\plans\A1096upp1.dwg Fri Sep 06 10:59:27 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

SURVEYOR'S CERTIFICATE

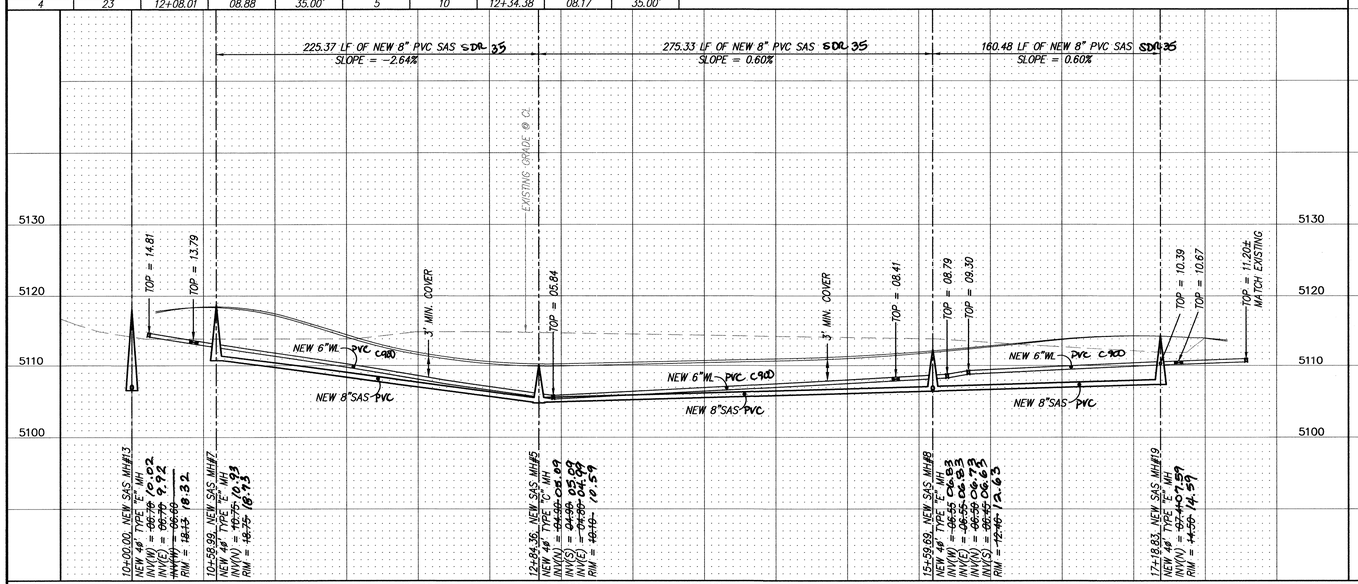
I, THOMAS W. PATRICK, A DULY QUALIFIED LICENSED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE AS-BUILT INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND "AS-BUILT" SURVEYS PERFORMED BY ME, OR UNDER MY SUPERVISION, THAT THE "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS (UNLESS OTHERWISE NOTED) WAS ADDED BY ME, OR BY UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. COMMUNITY SCIENCES CORPORATION IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING AND/OR CONTENT OF THE RECORD DRAWINGS.

Thomas W. Patrick — 2.04.2003
THOMAS W. PATRICK, NEW MEXICO 12651, LICENSED PROFESSIONAL SURVEYOR
THOMAS W. PATRICK
NEW MEXICO PROFESSIONAL SURVEYOR NO. 12651 — DATE



SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE	BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	1	17+28.19	09.34	30.12'	4	24	12+55.01	07.61	35.00'
1	2	16+98.01	09.29	32.72'	4	25	12+75.01	07.08	35.00'
1	3	16+57.89	09.10	35.00'	4	26	13+22.01	07.13	35.00'
1	4	16+22.69	08.89	35.00'	4	27	13+69.01	07.40	35.00'
2	1	15+07.39	08.20	35.00'	4	28	14+16.37	07.67	35.00'
2	2	14+58.39	07.92	35.00'	4	29	15+22.33	08.29	35.00'
2	3	14+09.39	07.63	35.00'	5	6	10+63.99	12.75	35.00'
4	20	10+67.01	12.68	35.00'	5	7	11+08.99	11.54	35.00'
4	21	11+14.01	11.41	35.00'	5	8	11+53.99	10.33	35.00'
4	22	11+61.01	10.14	35.00'	5	9	11+98.99	09.12	35.00'
4	23	12+08.01	08.88	35.00'	5	10	12+34.38	08.17	35.00'



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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	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.

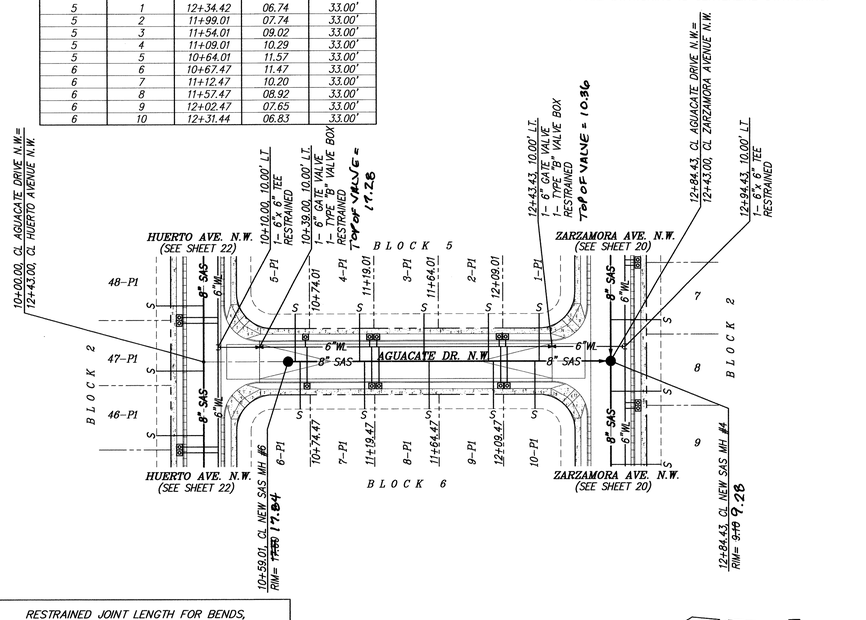
RESTRAINED JOINT LENGTH FOR TEES (FT.)

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

50' 25' 0 50' 100'
SCALE: 1" = 50'
MUIR DRIVE N.W.
STA. 10+00.00 TO STA. 18+04.68
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

SANITARY SEWER SERVICES

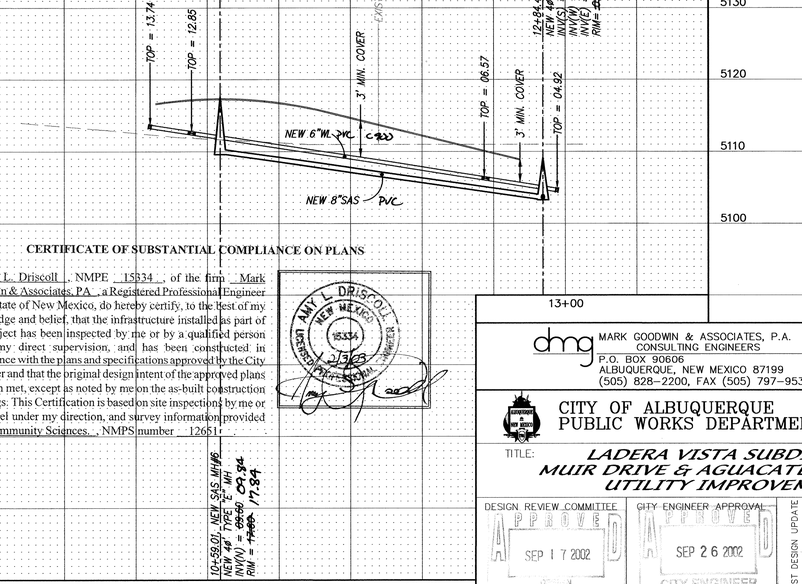
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
5	1	12+34.42	06.74	33.00'
5	2	11+99.01	07.74	33.00'
5	3	11+54.01	08.02	33.00'
5	4	11+09.01	10.29	33.00'
5	5	10+64.01	11.57	33.00'
6	6	10+67.47	11.47	33.00'
6	7	11+12.47	10.20	33.00'
6	8	11+57.47	08.92	33.00'
6	9	12+02.47	07.65	33.00'
6	10	12+31.44	06.83	33.00'



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

50' 25' 0 50' 100'
SCALE: 1" = 50'
AGUACATE DRIVE N.W.
STA. 10+00.00 TO STA. 12+94.43
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 direct supervision, and survey information provided by Community Sciences., NMPS number 12651.

AMY L. DRISCOLL, NEW MEXICO, 15334, LICENSED PROFESSIONAL ENGINEER — 2/5/03

SURVEY INFORMATION
FIELD NOTES — NO. | BY | DATE

BENCH MARKS
ACS STATION J–H10. TO REACH STATION FROM THE INTERSECTION OF I–40 & UNSER BLVD. GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "J–H10".
X= 356,889.72, Y= 1493922.98, (NAD 1927).
ELEVATION= 5193.38 (SLD 1929).

AS BUILT INFORMATION

		DATE
CONTRACTOR	FRANKLIN'S	
WORK STAKED BY	CSC	6/03
INSPECTION PERFORMANCE BY	A.D	6/03
AS-BUILT VERIFICATION BY	CSC	8/03
AS-BUILT MARKUPS CORRECTED BY	CSC	9/03
MICRO–FILM INFORMATION		
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL
AMY L. DRISCOLL, NEW MEXICO, 15334, LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS / REVISIONS	BY	DATE
		DESIGN	ALD	03/02
		DESIGNED BY	ALD	03/02
		DRAWN BY	DER	03/02
		CHECKED BY	DMG	

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:
LADERA VISTA SUBDIVISION
MUIR DRIVE & AGUACATE DRIVE N.W.
UTILITY IMPROVEMENTS

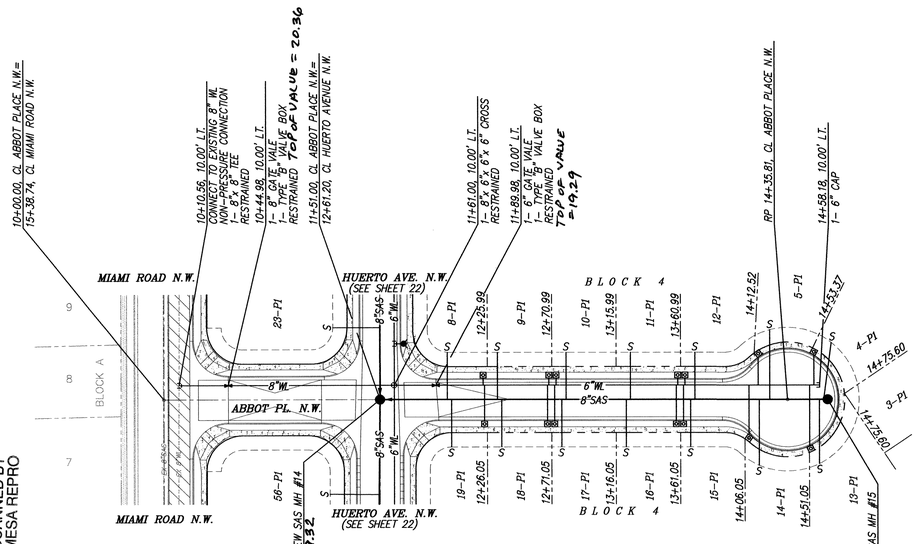
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.
APPROVED SEP 17 2002 REVIEW COMMITTEE	APPROVED SEP 26 2002 CITY ENGINEER	LAST DESIGN UPDATE		

CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET 19 OF 31

A01jobs\A1096lvn\A1096upp2.dwg\09–05–02\DER

F:\A01JOBS\A1096LVN\plans\A1096upp2.dwg Fri Sep 06 12:05:37 2002 D. MARK GOODWIN & ASSOCIATES; PLTTED BY: DER

26 691381 1904



SCANNED BY
MESA REPRO

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
4	8	11+98.02	14.26	33.00'
4	9	12+32.99	14.43	33.00'
4	10	12+80.99	14.67	33.00'
4	11	13+25.99	14.89	33.00'
4	12	13+70.99	15.11	33.00'
4	13	14+58.05	15.74	44.80'
4	14	14+16.05	15.40	45.94'
4	15	13+68.05	15.10	33.00'
4	16	13+23.05	14.87	33.00'
4	17	12+78.05	14.65	33.00'
4	18	12+36.05	14.44	33.00'
4	19	12+01.02	14.27	33.00'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, of the firm 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 Community Sciences, NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER
2.03.03
DATE

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

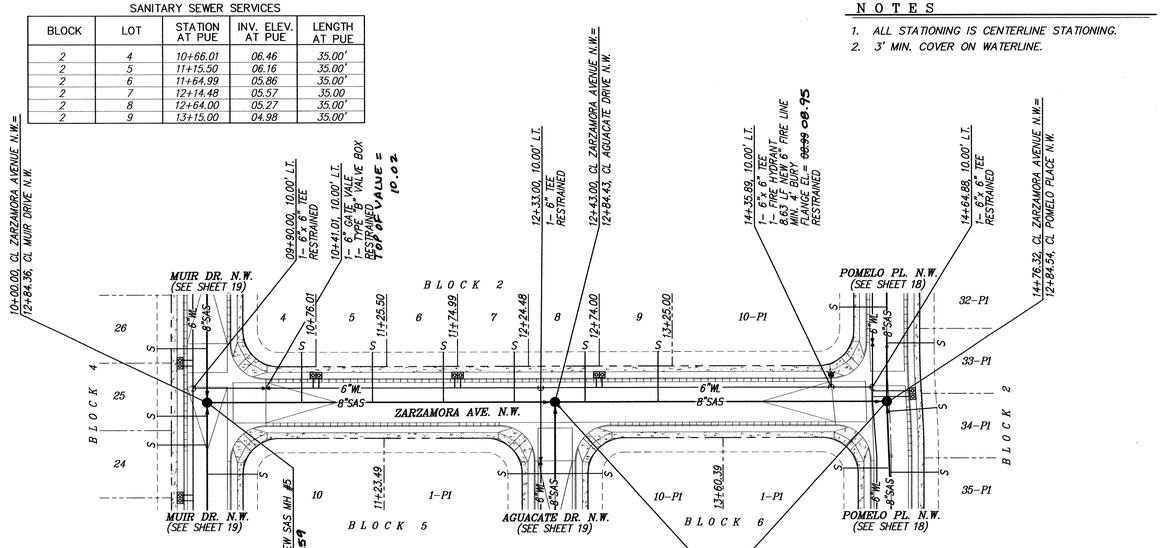
ABBOT PLACE N.W.
STA. 10+00.00 TO STA. 14+63.81
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
2	4	10+66.01	06.46	35.00'
2	5	11+15.50	06.16	35.00'
2	6	11+64.99	05.86	35.00'
2	7	12+14.48	05.57	35.00
2	8	12+64.00	05.27	35.00'
2	9	13+15.00	04.98	35.00'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. 3' MIN. COVER ON WATERLINE.



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

ZARZAMORA AVENUE N.W.
STA. 10+00.00 TO STA. 14+76.32
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

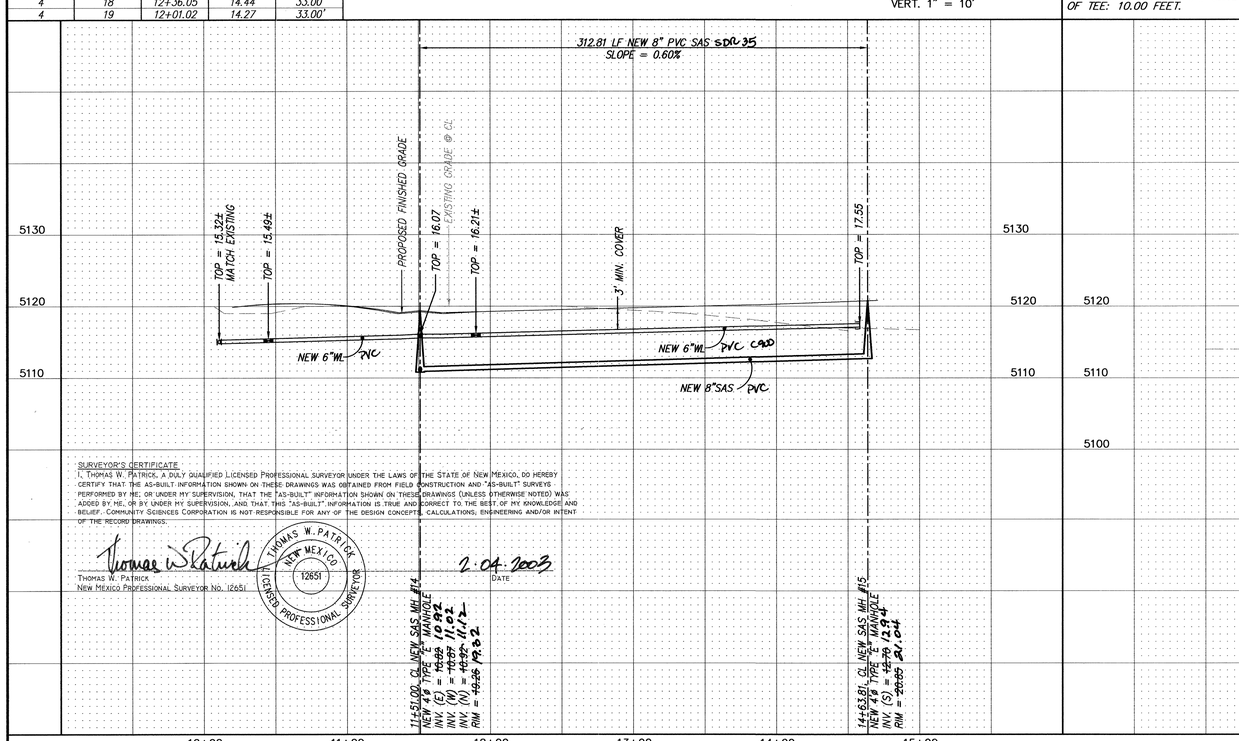
RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

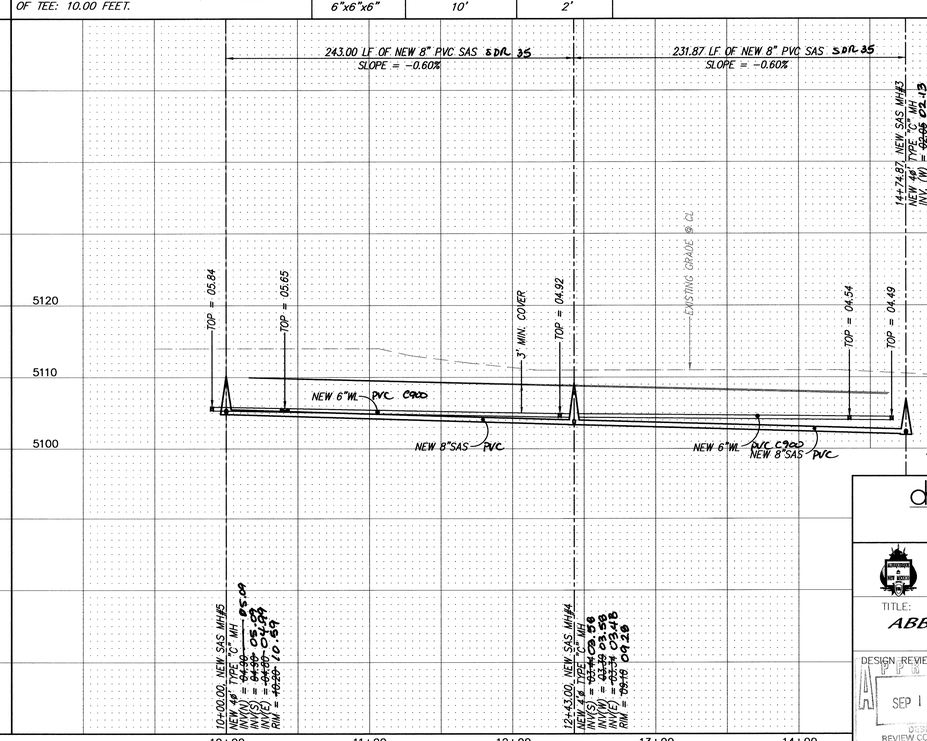
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'
8"	22'	9'	4'	2'	60'

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
12"x12"x8"	8'	5'
8"x6"x6"	7'	5'
6"x6"x6"	10'	2'





SURVEYOR'S CERTIFICATE

I, THOMAS W. PATRICK, A DULY QUALIFIED LICENSED PROFESSIONAL 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 (UNLESS OTHERWISE NOTED) WAS ADDED BY ME, OR BY UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. COMMUNITY SCIENCES CORPORATION IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING AND/OR INTENT OF THE RECORD DRAWINGS.

THOMAS W. PATRICK NEW MEXICO 12651 LICENSED PROFESSIONAL SURVEYOR

THOMAS W. PATRICK
NEW MEXICO PROFESSIONAL SURVEYOR NO. 12651

2.04.2003
DATE

AS BUILT INFORMATION

CONTRACTOR Franklin's
WORK PERFORMED BY
INSPECTOR'S FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS

ACS STATION 3-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD. GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "3-H10".
X= 356,889.72, Y= 1493922.98, (NAD 1927)
ELEVATION= 5193.38 (SLD 1929)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

NO.	REMARKS REVISIONS DESIGN	BY	DATE
	DESIGNED BY	ALD	03/02
	DRAWN BY	DER	03/02
	CHECKED BY	DMG	03/02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:
LADERA VISTA SUBDIVISION
ABBOT PLACE & ZARZAMORA AVENUE N.W.
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED SEP 17 2002 DESIGN REVIEW COMMITTEE	APPROVED SEP 26 2002			

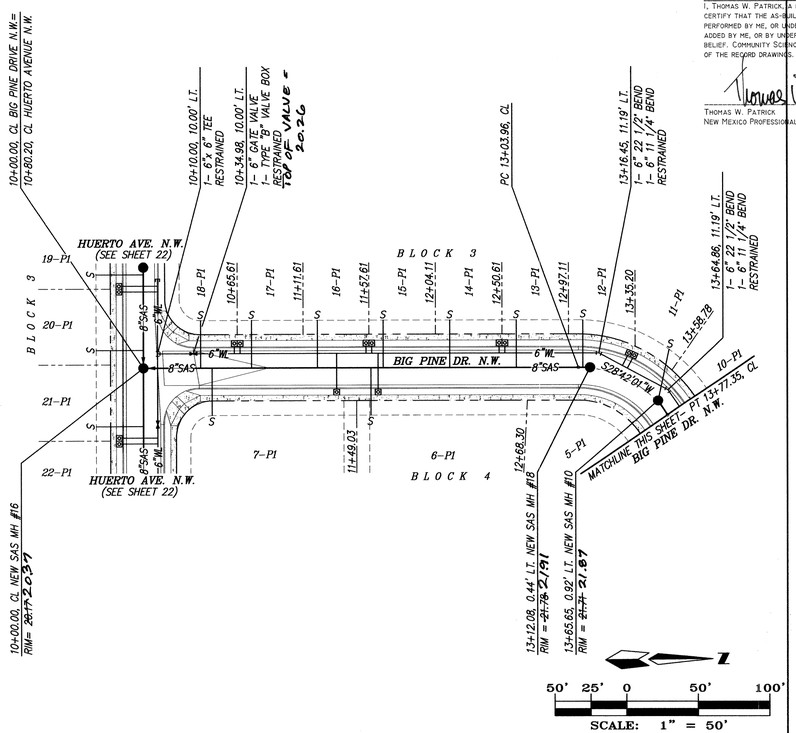
CITY PROJECT NO.	ZONE MAP NO.	SHEET OF
691381	H-10-Z	20 31

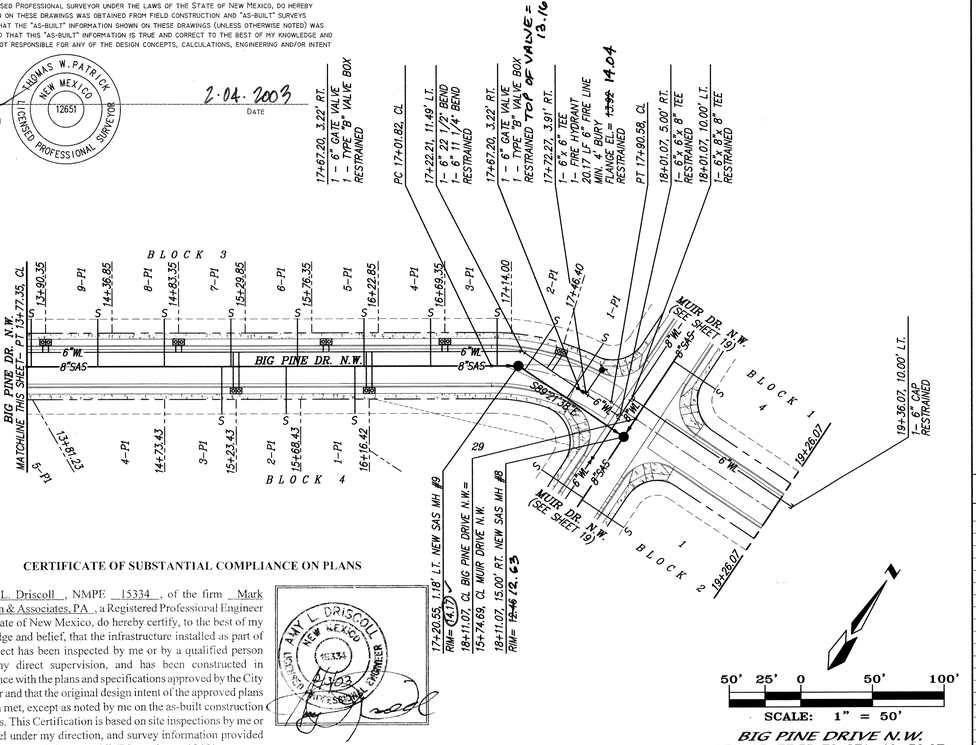
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6913.81 2004

A01jobs\A1096lvn\A1096upp3.dwg\09-04-02\DER

F:\A01JOBS\A1096LVN\plans\A1096upp3.dwg Fri Sep 06 12:06:44 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

SCANNED BY
MESA REPRO





CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences, NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER
2/7/03

SURVEYOR'S CERTIFICATE

I, THOMAS W. PATRICK, A DULY QUALIFIED LICENSED PROFESSIONAL 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 (UNLESS OTHERWISE NOTED) WAS ADDED BY ME, OR BY UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. COMMUNITY SCIENCES CORPORATION IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING AND/OR INTENT OF THE RECORD DRAWINGS.

Thomas W. Patrick — 2.04.2003
THOMAS W. PATRICK
NEW MEXICO PROFESSIONAL SURVEYOR No. 12651

THOMAS W. PATRICK NEW MEXICO 12651 CERTIFIED PROFESSIONAL SURVEYOR

NOTES

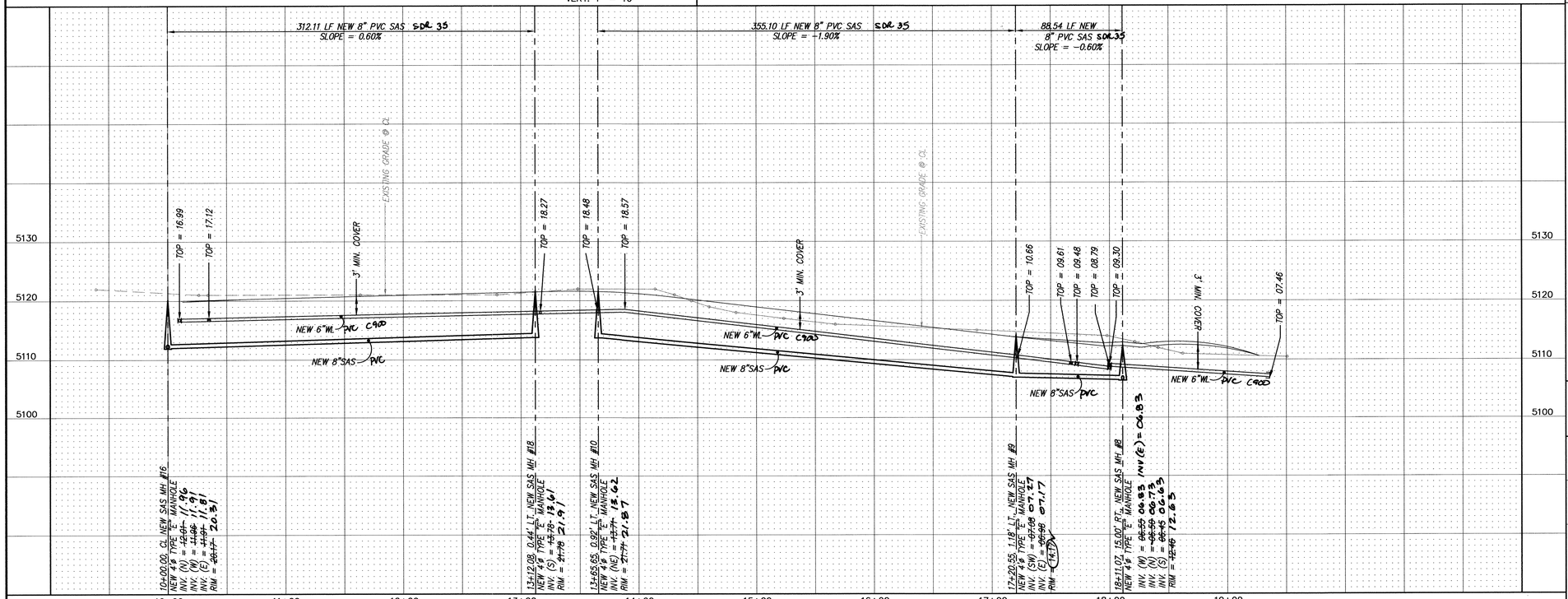
1. ALL STATIONING IS CENTERLINE STATIONING.

SCALE: 1" = 50'

BIG PINE DRIVE N.W.
STA. 10+00.00 TO STA. 13+77.35
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

SCALE: 1" = 50'

BIG PINE DRIVE N.W.
STA. 13+77.35 TO STA. 19+36.07
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



A01jobs\A1096lvn\A1096upp4.dwg\09-04-02\DER NHE

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
3	1	17+68.14	08.18	45.96'
3	2	17+38.20	08.59	36.96'
3	3	17+05.12	09.11	32.96'
3	4	16+59.35	10.18	33.00'
3	5	16+12.85	11.28	33.00'
3	6	15+66.35	12.37	33.00'
3	7	15+19.85	13.46	33.00'
3	8	14+73.35	14.55	33.00'
3	9	14+26.85	15.64	33.00'
3	10	13+80.35	16.44	33.00'
3	11	13+51.05	16.61	36.61'
3	12	13+06.15	16.47	32.95'
3	13	12+60.61	16.25	33.00'
3	14	12+14.11	16.01	33.00'
3	15	11+67.61	15.78	33.00'
3	16	11+21.61	15.55	33.00'
3	17	10+75.61	15.32	33.00'
3	18	10+39.98	15.14	33.00'
4	1	16+06.42	11.43	33.00'
4	2	15+58.43	12.55	33.00'
4	3	15+13.43	13.61	33.00'
4	6	11+59.03	15.74	33.00'
4	7	10+48.02	15.18	33.00'

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	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
6"x6"x6"	10'	2'
8"x8"x6"	7'	5'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS STATION 3-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD. GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "3-H10".
X= 356,889.72, Y= 1483922.88, (NAD 1927)
ELEVATION= 5193.38 (SLD 1929)

AS BUILT INFORMATION

CONTRACTOR STAKING BY	FRANKLIN'S	DATE 1/03
INSPECTOR'S FIELD VERIFICATION BY	CSC	DATE 2/03
DRAWINGS REVISED BY	AUD	DATE 3/03
DRAWINGS CORRECTED BY	CSC	DATE 3/03
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL
AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER
9/6/03

NO.	DATE	REMARKS	DESIGN	
		REVISIONS	DESIGNED BY	AUD DATE 03/02
			DRAWN BY	DER DATE 03/02
			CHECKED BY	DMG DATE 03/02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

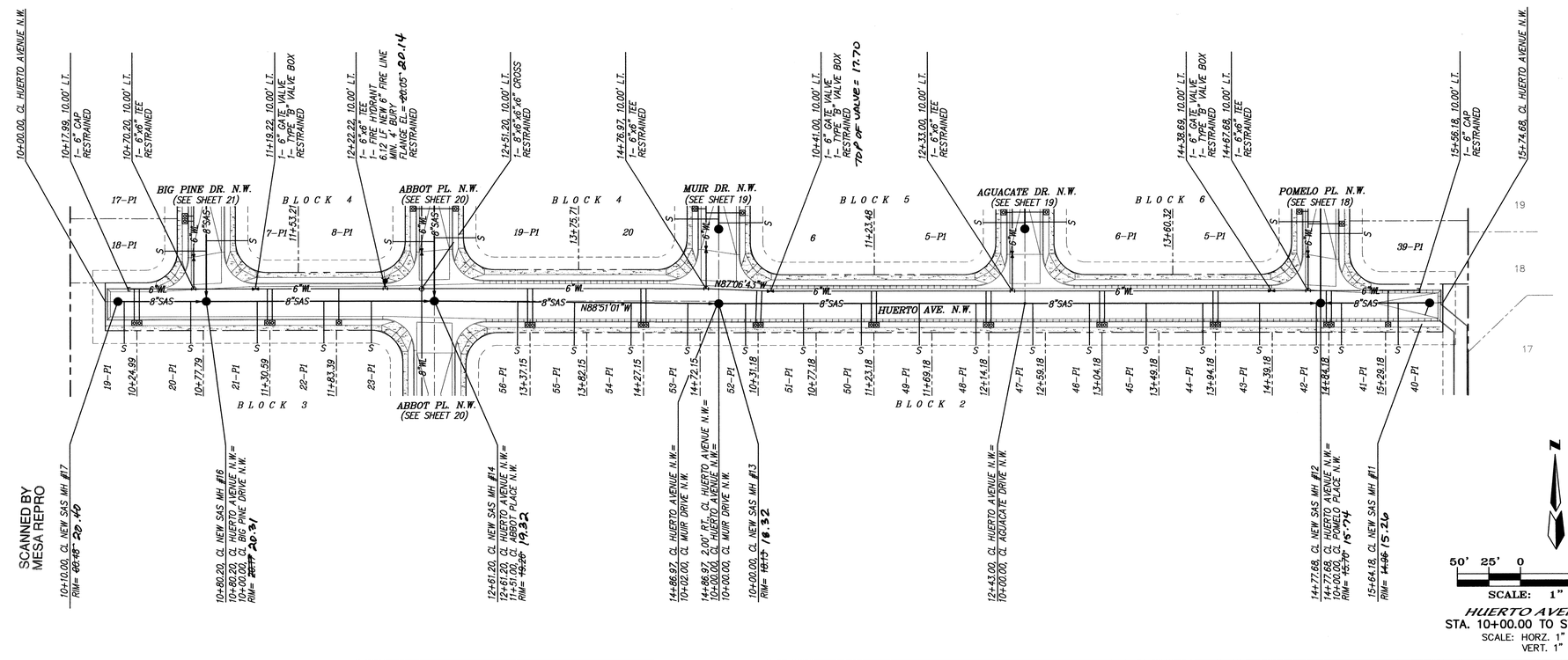
TITLE: LADERA VISTA SUBDIVISION
BIG PINE DRIVE N.W.
UTILITY IMPROVEMENTS

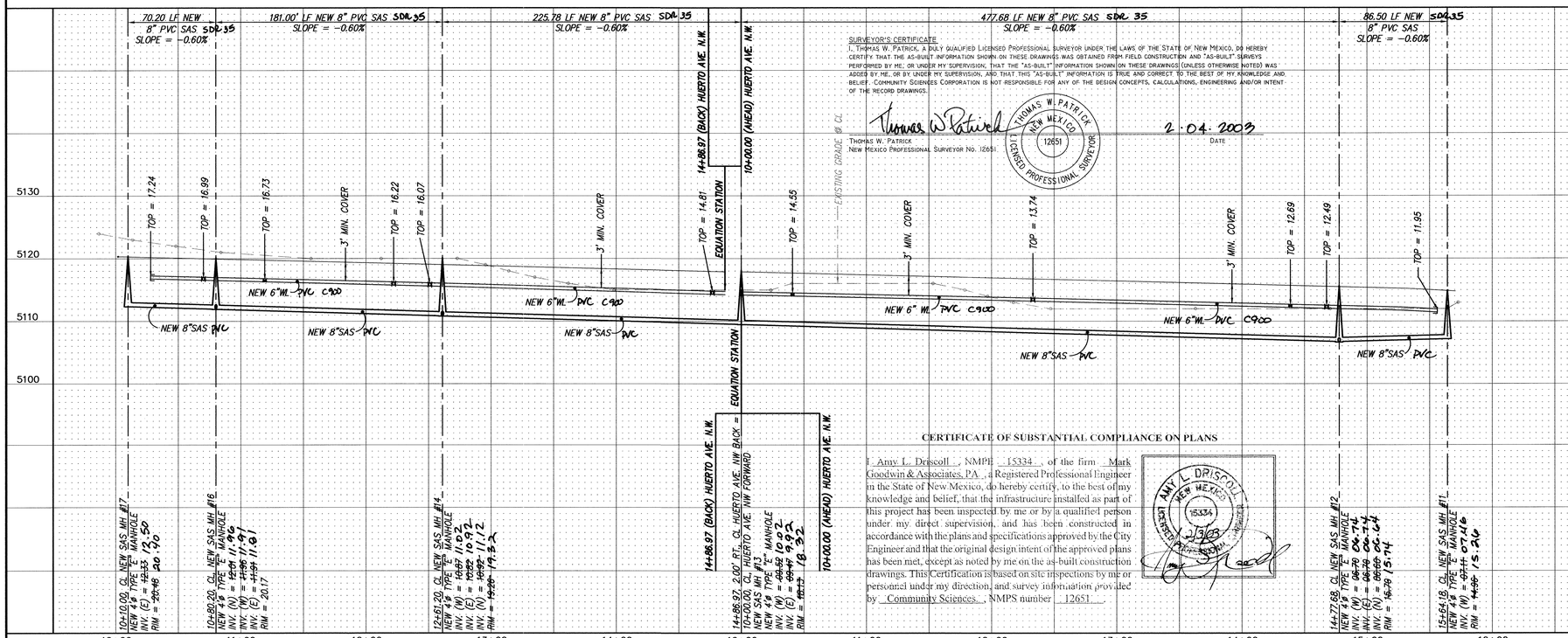
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED SEP 17 2002	APPROVED SEP 26 2002		
REVIEW COMMITTEE	CITY ENGINEER	LAST DESIGN UPDATE	

CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET 21 OF 31

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 69113.81 21 04

F:\A01JOBS\A1096LVN\plans\A1096upp4.dwg Fri Sep 06 12:26:55 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER





NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
2	40	15+39.18	10.12	33.00'
2	41	14+94.18	10.42	33.00'
2	42	14+74.18	10.52	33.00'
2	43	14+29.18	10.74	33.00'
2	44	13+84.18	10.97	33.00'
2	45	13+39.18	11.19	33.00'
2	46	12+94.18	11.42	33.00'
2	47	12+49.18	11.64	33.00'
2	48	12+04.18	11.87	33.00'
2	49	11+59.18	12.09	33.00'
2	50	11+13.18	12.32	33.00'
2	51	10+67.18	12.55	33.00'
2	52	10+21.18	12.78	33.00'
2	53	14+62.15	10.58	33.22'
2	54	14+17.15	10.80	33.62'
2	55	13+72.15	11.03	34.02'
2	56	13+27.15	11.25	34.41'
3	19	10+14.99	12.81	33.00'
3	20	10+67.79	12.55	33.00'
3	21	11+20.59	12.29	33.00'
3	22	11+73.39	12.02	33.00'
3	23	12+11.18	11.83	33.00'

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	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"x6"	7'	5'
6"x6"x6"	10'	2'

SURVEYOR'S CERTIFICATE

I, THOMAS W. PATRICK, A DULY QUALIFIED LICENSED PROFESSIONAL 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 (UNLESS OTHERWISE NOTED) WAS ADDED BY ME, OR BY UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. COMMUNITY SCIENCES CORPORATION IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING AND/OR INTENT OF THE RECORD DRAWINGS.

Thomas W Patrick 2-04-2003

THOMAS W. PATRICK
NEW MEXICO
12651
LICENSED PROFESSIONAL SURVEYOR

THOMAS W. PATRICK
NEW MEXICO PROFESSIONAL SURVEYOR NO. 12651

DATE

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I Amy L. Driscoll, NMPE 15334, 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 Community Sciences, NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 LICENSED PROFESSIONAL ENGINEER 2/3/03

AS BUILT INFORMATION

CONTRACTOR PENKLAW'S — DATE 10/02

	BY	DATE
WORK STAKED BY	CSC	9/02
INSPECTOR'S FIELD	KD	9/02
VERIFICATION BY	CSC	9/03
PLANS MARKED		
CORRECTED BY	CSC	2/03

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

BENCH MARKS

ACS STATION J-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "J-H10".
X= 356,888.72, Y= 1493922.98, (NAD 1927)
ELEVATION= 5193.38 (SLD 1929)

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE
	LADERA DR.	

ENGINEER'S SEAL

AMY L. DRISCOLL NEW MEXICO 15334 LICENSED PROFESSIONAL ENGINEER 2/3/03

NO.	REMARKS	BY	DATE
	DESIGN		
	DESIGNED BY	ALD	03/02
	DRAWN BY	DER	03/02
	CHECKED BY	DMG	03/02

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: LADERA VISTA SUBDIVISION
HUERTO AVENUE N.W.
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED SEP 17 2002	SEP 26 2002 CITY ENGINEER			

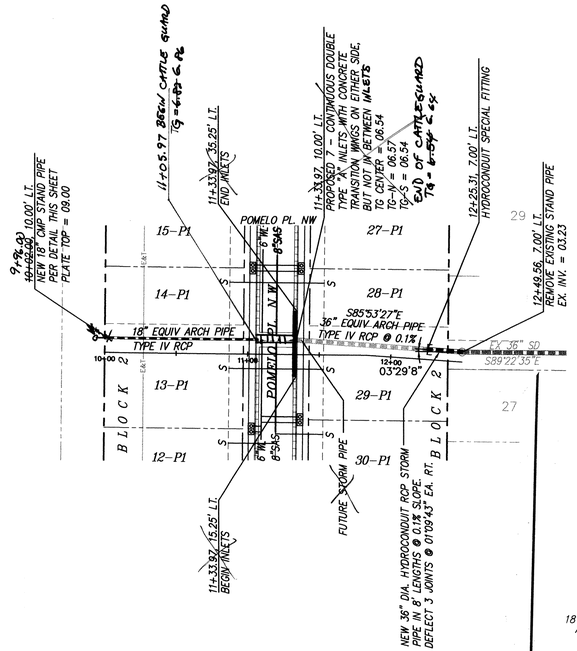
CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET 22 OF 31

A01jobs\A1096lvn\A1096upp5.dwg\09-04-02\DER NHE

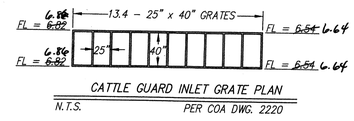
F:\A01JOBS\A1096LVN\plans\A1096upp5.dwg Fri Sep 06 12:54:11 2002 D. MARK GOODWIN & ASSOCIATES; PLTTED BY: DER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 69 13.81 2209

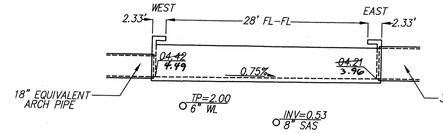
SCANNED BY
MESA REPRO



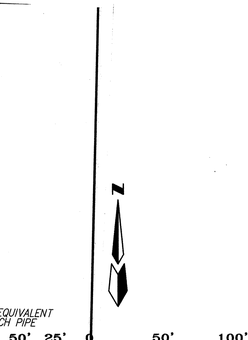
* SEE ENCLOSED DETAIL FOR CATTLE GUARD INLET AS-BUILTS



CATTLE GUARD INLET GRATE PLAN
N.T.S. PER COA DWG. 2220

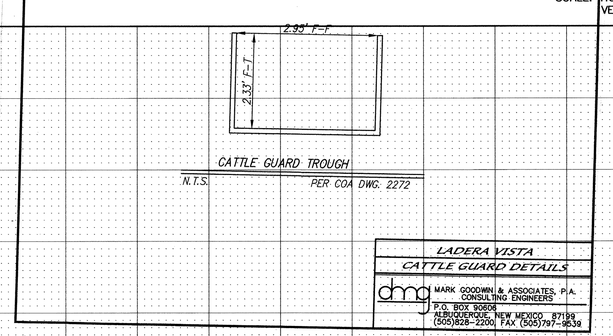


CATTLE GUARD INLET
N.T.S. PER COA DWG 2271, 2272 & 2220



SCALE: 1" = 50'

STORM DRAIN
STA. 10+00.00 TO STA. 12+49.56
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



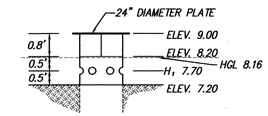
CATTLE GUARD TROUGH
N.T.S. PER COA DWG. 2272

LADERA VISTA
CATTLE GUARD DETAILS

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

NOTES

1. THE STATIONING BASELINE IS THE NORTH PROPERTY LINES OF LOT 13-P1, BLOCK 2 AND LOT 29-P1, BLOCK 2.



6 - 3"ø PERFORATIONS EACH LEVEL
18"ø STADPIPE - CMP

STANDPIPE DETAIL

N.T.S.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Amy L. Driscoll, NMPE 15334, 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 Community Sciences, NMPS number 12651.

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER
2/3/03

SURVEYOR'S CERTIFICATE

I, THOMAS W. PATRICK, A DULY QUALIFIED LICENSED PROFESSIONAL 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 (UNLESS OTHERWISE NOTED) WAS ADDED BY ME, OR BY UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. COMMUNITY SCIENCES CORPORATION IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING AND/OR INTENT OF THE RECORD DRAWINGS.

THOMAS W. PATRICK NEW MEXICO 12651 LICENSED PROFESSIONAL SURVEYOR

2.04.2003
DATE

THOMAS W. PATRICK
NEW MEXICO PROFESSIONAL SURVEYOR NO. 12651

130.47 LF NEW 18" EQUIV. ARCH PIPE TYPE IV RCP SLOPE = 1.0% Q_{des} = 8.58 cfs V_{des} = 4.86 fps

28LF CATTLE GUARD

92.36 LF NEW 36" EQUIV. ARCH PIPE TYPE IV RCP SLOPE = 0.1% Q_{des} = 50.55 cfs V_{des} = 7.20 fps

24.25 LF NEW 36" RCP HYDROCONDUIT ROUND PIPE SLOPE = 0.1% Q_{des} = 50.88 cfs V_{des} = 7.20 fps

POMELO PL. NW

AS BUILT INFORMATION		
CONTRACTOR	FRANKLIN'S	DATE 9/03
WORK STAKED BY	CSC	DATE 1/03
INSPECTORS ACCEPTANCE BY	MLD	DATE 9/03
VERIFICATION BY FIELD	CSC	DATE 9/03
DRAWING CORRECTED BY	MLD	DATE 9/03
MICRO-FILM INFORMATION		DATE
RECORDED BY		DATE
NO.		

BENCH MARKS
ACS STATION 3-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "3-H10".
X= 356,889.72, Y= 1493922.98, (NAD 1927)
ELEVATION= 5193.38 (SLD 1929)

SURVEY INFORMATION			
FIELD NOTES			
NO.	BY	DATE	

ENGINEER'S SEAL

AMY L. DRISCOLL NEW MEXICO 15334 REGISTERED PROFESSIONAL ENGINEER

NO.	REMARKS	BY	DATE
	REVISIONS		
	DESIGN		
	DESIGNED BY	ALD	03/02
	DRAWN BY	DER	03/02
	CHECKED BY	DMG	03/02

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

26 6913.81 2304

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: LADERA VISTA SUBDIVISION
STORM DRAIN IMPROVEMENTS

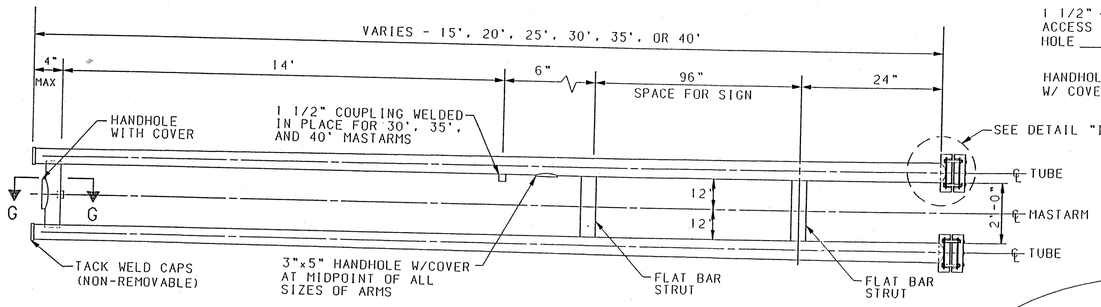
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED SEP 17 2002 DESIGN REVIEW COMMITTEE	APPROVED SEP 26 2002 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
691381	H-10-Z	23	31

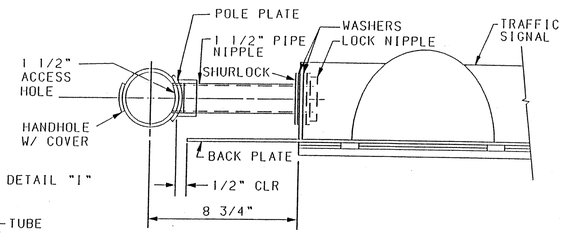
A01jobs\A1096lvn\A1096SS1.dwg\07-30-02\DER NHE

F:\A01JOBS\A1096LVN\plans\A1096ss1.dwg Tue Jul 30 17:09:21 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

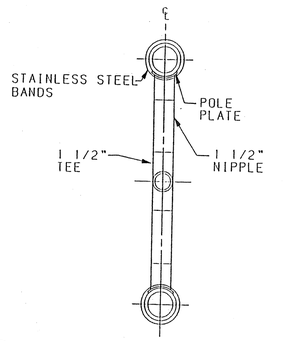
SCANNED BY MESA REPRO

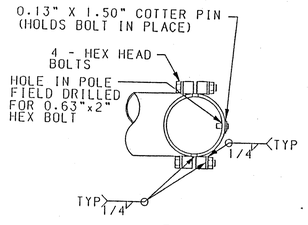


TYPICAL MASTARM DETAIL

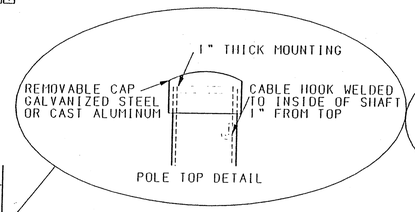


SECTION C-C

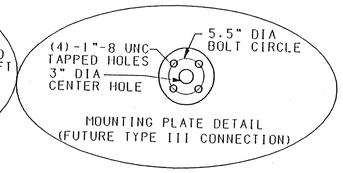




PLAN

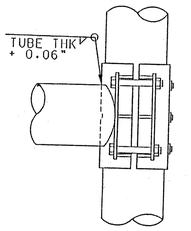


POLE TOP DETAIL

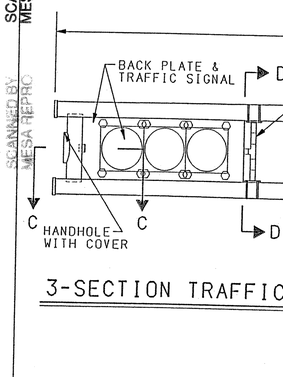


MOUNTING PLATE DETAIL
(FUTURE TYPE III CONNECTION)

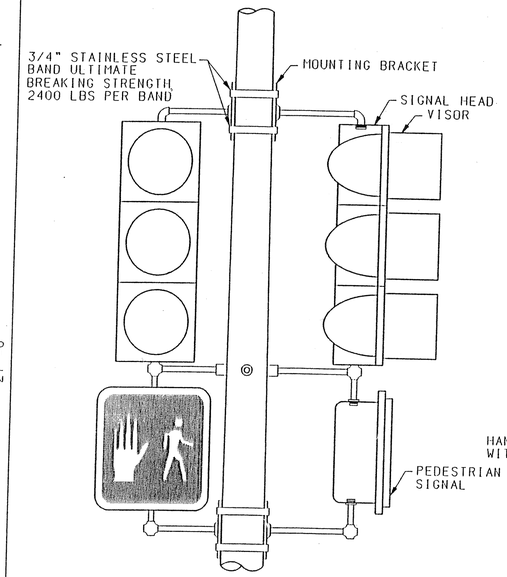
SECTION D-D



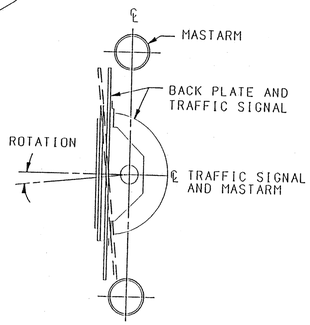
ELEVATION



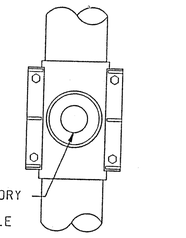
3-SECTION TRAFFIC SIGNAL



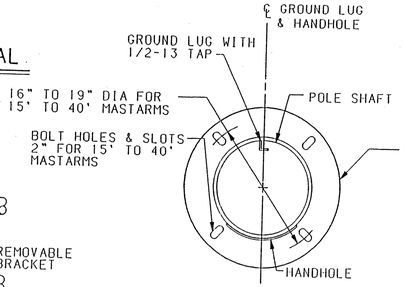
SECTION F-F



SECTION E-E

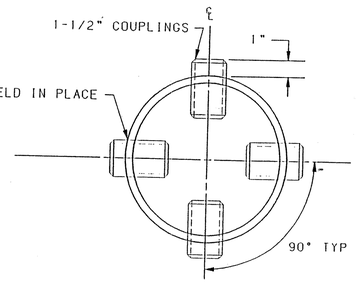


SECTION

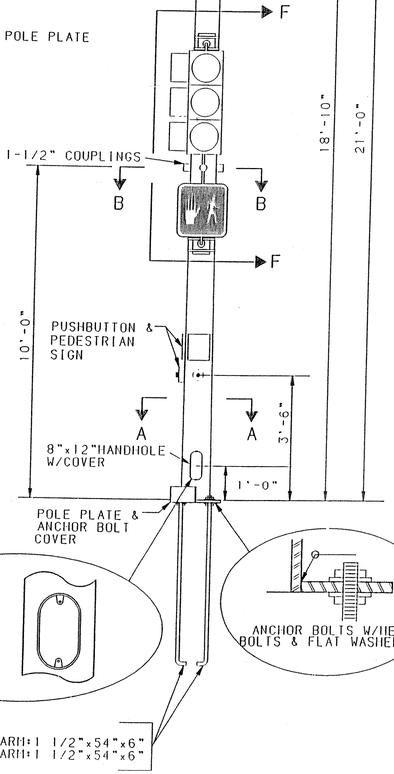


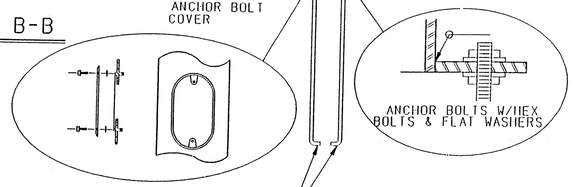
5-SECTION TRAFFIC SIGNAL

SECTION A-A

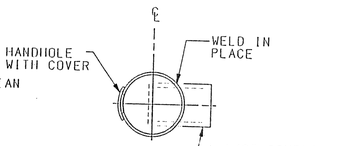


SECTION B-B





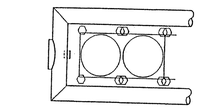
ANCHOR BOLTS
15', 20', 25' ARM: 1 1/2"x54"x6"
30', 35', 40' ARM: 1 1/2"x54"x6"



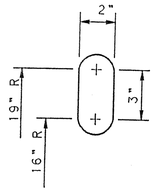
SECTION G-G

DETAIL I

NOTE:
ONE SIZE ARM CLAMP FOR 15' TO 25' MASTARMS AND ONE SIZE FOR 30' TO 40' MASTARMS WILL BE ALLOWED



MITERED ARM END (OPTIONAL)



POLE PLATE SLOT DETAIL

TRAFFIC SIGNAL MASTARM NOTES

1. DESIGN IN ACCORDANCE WITH 1985 AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS FOR AN 80 MPH WIND ZONE.
2. POLES AND MASTARM SHAFTS SHALL CONFORM TO ASTM A-595 GRADE A (MIN YIELD 55 KSI).
3. BASE PLATE AND SIGNAL ARM CLAMP SHALL BE ASTM A-36 (MIN YIELD 36 KSI).
4. ANCHOR BOLTS SHALL BE ASTM A-36 MOD 55 (MIN. YIELD 55 KSI).
5. SIGNAL ARM CONNECTING BOLTS SHALL BE ASTM A-325.
6. WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY SPECIFICATION AWS D1.1. LATEST EDITION. ALL WELDS SHALL BE FREE FROM CRACKS, EXCESSIVE UNDERCUT, AND POROSITY. ANY WELDING DEFECTS SHALL BE REPAIRED BY REMOVING THE DEFECTIVE MATERIAL AND REPLACING IT WITH SOUND WELD MATERIAL.
7. ALL HOLES SHALL BE DRILLED AND DEBURRED.
8. ALL POLES, MASTARMS, AND BOLTS SHALL BE GALVANIZED TO ASTM A-123 AND A -153.
9. MASTARMS SHALL BE MARKED TO DESCRIBE WHICH IS TOP AND WHICH IS BOTTOM. POLE PLATE COVERS SHALL BE MARKED IN MATED PAIRS. POLE SHAFTS SHALL BE MARKED "ALB" "15-25" OR "30-40", AND DATE OF FABRICATION (MONTH/YEAR).

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
THE STATION IS A 3-1/4" ALUMINUM CAP RIVETED TO A PIPE PROTRUDING 0.1' ABOVE THE GROUND AND STAMPED "ACS 4-B13,1986", LOCATED NEAR THE INTERSECTION ON ARROW AVENUE AND BRYAN AVENUE, N.W.
X= 375489.27
Y= 1525104.55
Z= 5169.511

AS BUILT INFORMATION
CONTRACTOR Franklin's
WORK STARTED BY csc DATE 1/90
WORK ACCEPTANCE BY MD DATE 2/90
FIELD VERIFICATION BY csc DATE 2/90
DRAWINGS CORRECTED BY csc DATE 2/90
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

COA
STD

REMARKS	BY	DATE
REVISIONS		
DESIGN		8/96
DESIGNED BY	CDA	DATE 8/96
DRAWN BY	CDA	DATE 8/96
CHECKED BY	CDA	DATE 8/96

26 69 13.81 2404

D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

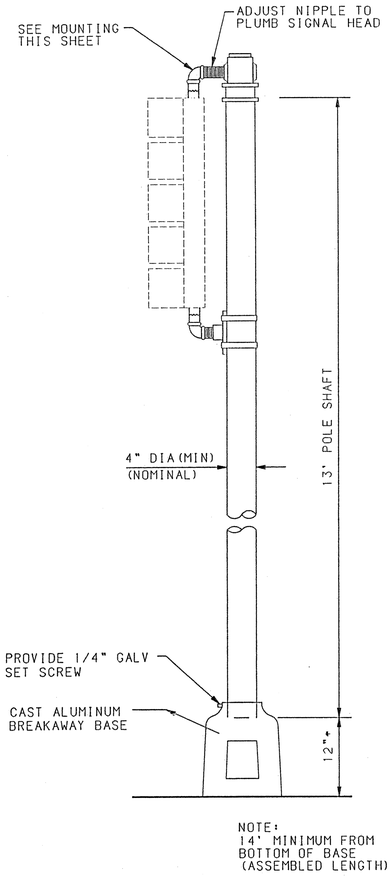
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC SIGNAL MASTARM DETAILS
TYPE II STANDARD
GALVANIZED STEEL

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

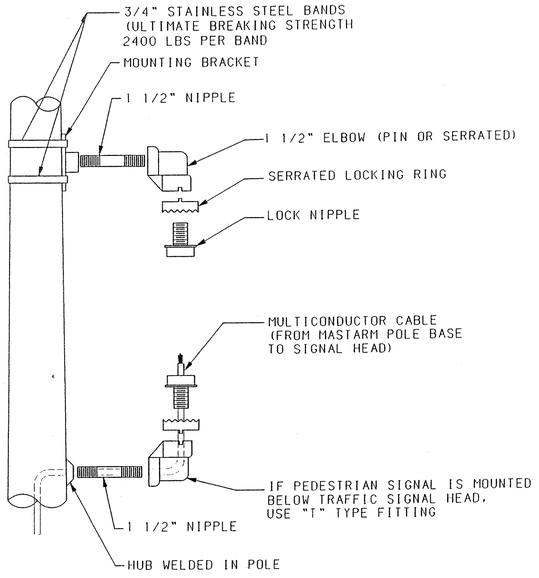
CITY PROJECT # 69131 ZONE MAP H-10-Z SHEET 24 OF 31

SCANNED BY
MESA REPRO



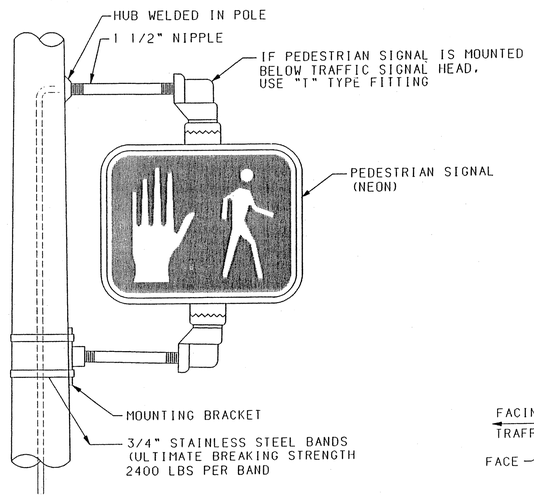
NOTE:
14' MINIMUM FROM BOTTOM OF BASE (ASSEMBLED LENGTH)

MOUNTING DETAIL

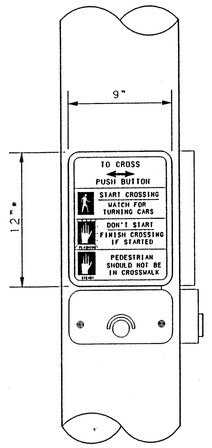


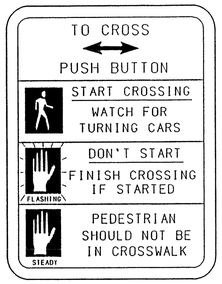
MOUNTING DETAIL

(SIDE OF SHAFT)



PEDESTRIAN SIGNAL

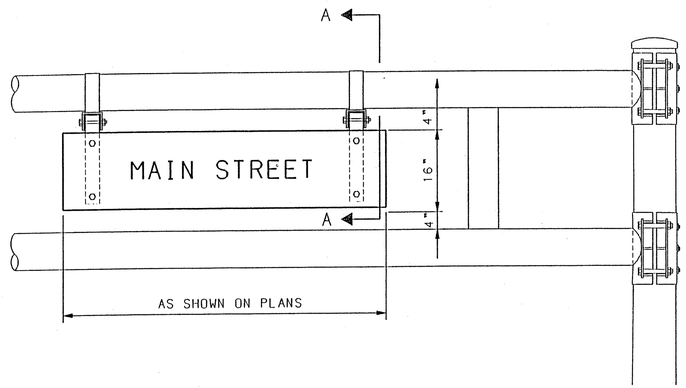


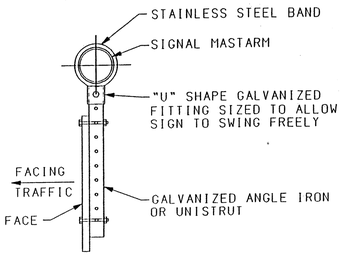


COA 12-1LR

•STYLE MOUNTING TYPE

PEDESTRIAN PUSH BUTTON DETAIL





SECTION "A-A"

NOTES:

1. STREET NAMES SIGNS REQUIRED AS SHOWN ON SIGNAL PLAN SHEETS.
2. SIGN SHALL BE 16" WIDE WITH 8" SERIES "C" LETTERS UP TO 12 SQUARE FEET TOTAL AREA AND SHALL HAVE HIGH INTENSITY REFLECTIVE LEGEND, BORDER AND BACKGROUND COLORS: WHITE ON GREEN. SIGN PANELS SHALL BE SINGLE SHEET 6061-T6 ALUMINUM .120 MINIMUM THICKNESS.

STREET NAME SIGN DETAIL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STATION IS A 3-1/4" ALUMINUM CAP RIVETTED TO A PIPE PROTRUDING 0.1' ABOVE THE GROUND AND STAMPED "ACS 4-B13,1986", LOCATED NEAR THE INTERSECTION ON ARROW AVENUE AND BRYAN AVENUE, N.W.
X= 375489.27
Y= 1525104.55
Z= 5163.511

AS BUILT INFORMATION
CONTRACTOR Franklin's DATE 10/97
STAKED BY SC DATE 2/98
INSPECTOR'S ACCEPTANCE BY MD DATE 4/98
FIELD VERIFICATION BY SC DATE 4/98
DRAWING CORRECTED BY SC DATE 4/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

COA
STD

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY COA	DATE 8/96
		DRAWN BY COA	DATE 8/96
		CHECKED BY COA	DATE 8/96

26 69113.81 25014

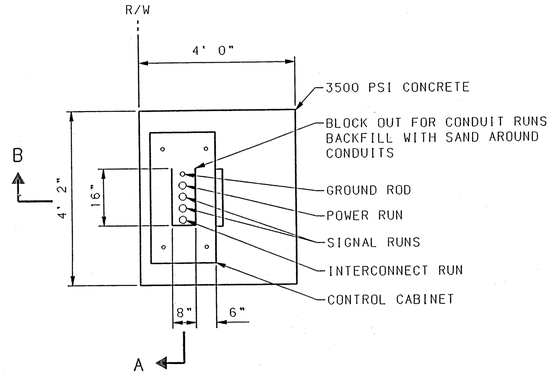
D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

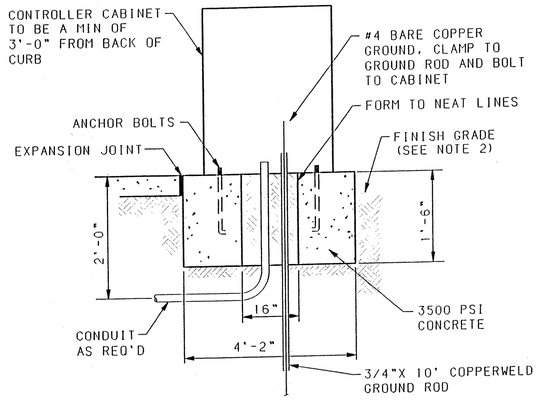
TITLE:
TRAFFIC SIGNAL
MISCELLANEOUS DETAILS-GALVANIZED STEEL

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

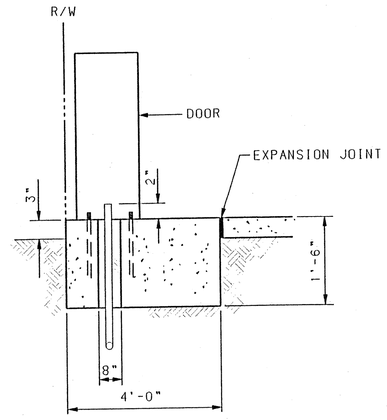
CITY PROJECT NO. 69138.1 | ZONE MAP NO. H-10-Z | SHEET 25 OF 31



PLAN



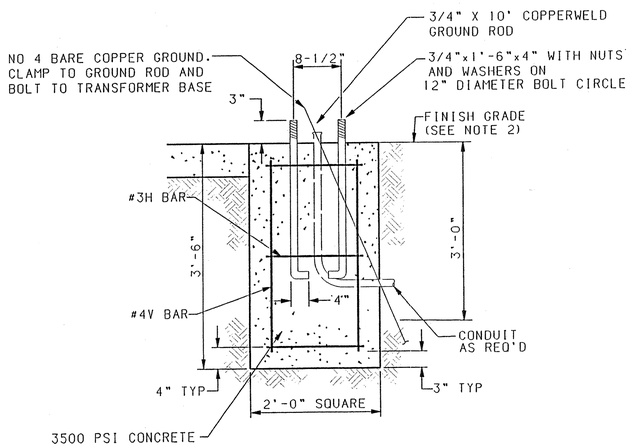
SECTION A

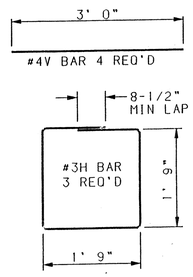


SECTION B

CONTROLLER FOUNDATION DETAIL

IN THE EVENT THE SUPPLIED CABINET WOULD OVERLAP THE SIDES OF ABOVE FOUNDATION. THE FOUNDATION SHALL BE INCREASED IN SIZE AS DIRECTED BY THE ENGINEER.





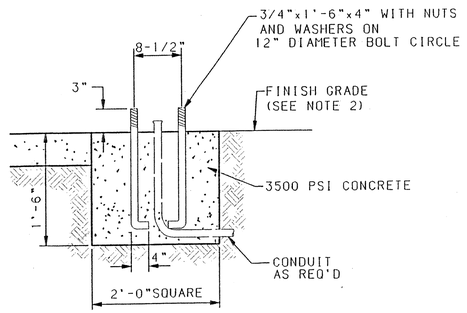
REINFORCING STEEL

PEDESTAL FOUNDATION DETAIL

ESTIMATED QUANTITIES

FOUNDATION TYPE	3500 PSI CONCRETE CU YD	REINFORCING BARS POUNDS
PEDESTAL FOUNDATION	0.52	17
CONTROLLER FOUNDATION (TYPE M & P)	0.88	--
SPLICE CABINET FOUNDATION	0.13	--

(FOR CONTRACTORS INFORMATION ONLY)



SPLICE CABINET FOUNDATION DETAIL

TRAFFIC SIGNAL FOUNDATION NOTES

1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4" Ø x 10'-0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATION BID ITEMS.
2. FINISHED GRADE FOR ALL FOUNDATIONS TO BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. FOUNDATIONS MAY BE SLOPED TO MATCH SIDEWALKS. SLOPES SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
THE STATION IS A 3-1/4" ALUMINUM CAP RIVETED TO A PIPE PROTRUDING 0.1' ABOVE THE GROUND AND STAMPED "ACS 4-B13.1986". LOCATED NEAR THE INTERSECTION ON ARROW AVENUE AND BRYAN AVENUE, N.M.
X= 375489.27
Y= 1525104.55
Z= 5169.511

AS BUILT INFORMATION
CONTRACTOR Franklin's DATE 1/98
WORK STAKED BY CSC DATE 2/98
INSPECTED & ACCEPTANCE BY AUD DATE 2/98
FIELD CADD BY CSC DATE 3/98
DRAWINGS CORRECTED BY CSC DATE 9/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

COA
STD

REMARKS
REVISIONS
NO. | DATE | BY | DESIGN | DATE
DESIGNED BY COA 8/96
DRAWN BY COA 8/96
CHECKED BY COA 8/96

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 69113.81 26049

D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

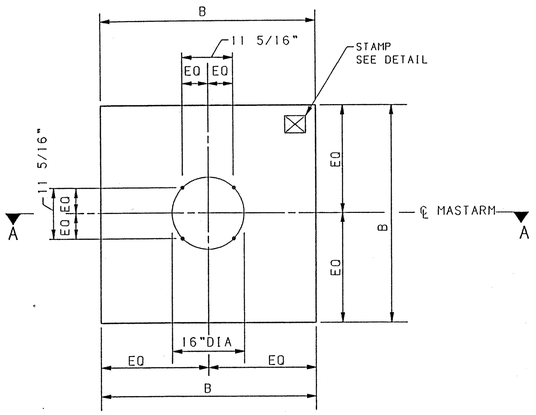
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC SIGNAL CONTROLLER CABINET & PEDESTAL FOUNDATION DETAILS

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

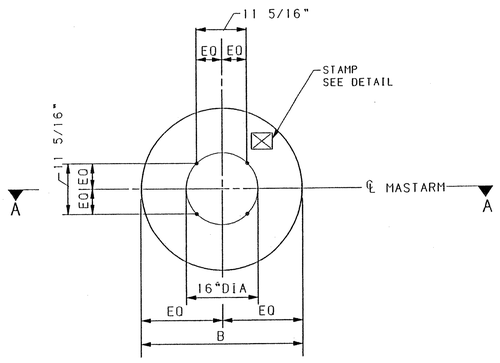
CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET 26 OF 31

SCANNED BY MESA REPRO



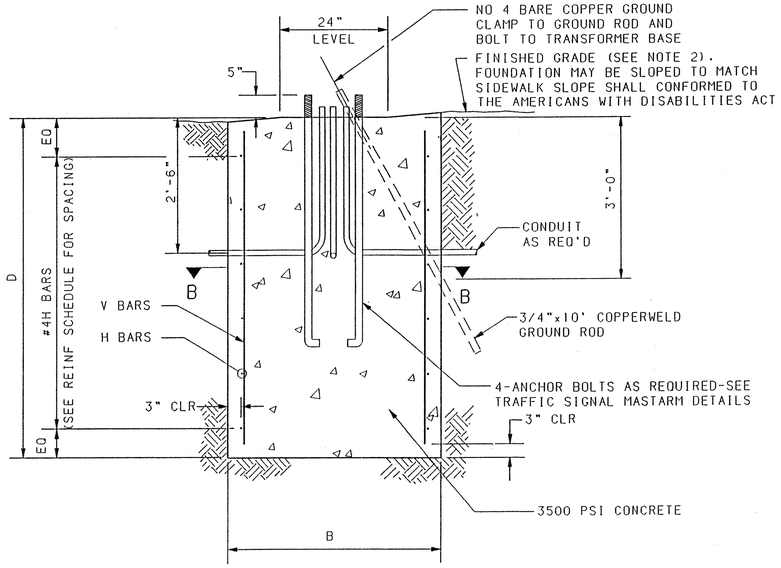
PLAN VIEW (SQUARE)

NO SCALE



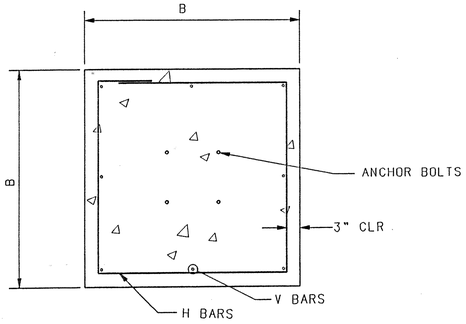
PLAN VIEW (ROUND)

NO SCALE



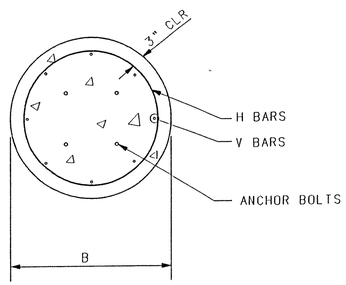
SECTION A-A (ROUND OR SQUARE)

NO SCALE



SECTION B-B (SQUARE)

NO SCALE



SECTION B-B (ROUND)

NO SCALE

TRAFFIC SIGNAL MASTARM FOUNDATION NOTES

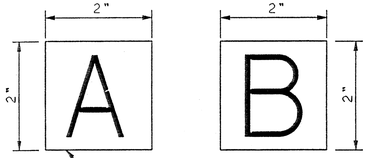
1. REFER TO THE PLANS FOR LOCATIONS OF TRAFIC SIGNAL MASTARM FOUNDATIONS.
2. FINISHED GRADE FOR THE FOUNDATIONS SHALL BE ESTABLISHED IN THE FIELD BY THE PROJECT MANAGER.
3. THE FOUNDATIONS SHOWN HERE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT REVISION.
4. CONCRETE SHALL BE 3500 PSI FOR EXTERIOR STRUCTURES. REFER TO TABLE 101.C OF THE SPECIFICATIONS.
5. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60.
6. THE TOP 6 INCHES OF THE FOUNDATION PEDESTAL SHALL BE FORMED TO THE DIMENSIONS SHOWN ON THIS SHEET TO FORM NEAT LINES. CONCRETE BELOW 6 LINES MAY BE CAST AGAINST THE EARTH.
7. THE CONCRETE SHALL GAIN 80% OF THE DESIGN STRENGTH PRIOR TO INSTALLING THE TRAFFIC SIGNAL MASTARM.
8. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4" DIA X 10'-0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATIONS BID ITEMS.
9. ALL FOUNDATIONS SHALL BE STAMPED EITHER "A" OR "B" TO SHOW TYPE CONSTRUCTED (SEE STAMP DETAIL).

FOUNDATION DIMENSIONS AND QUANTITIES

FOUNDATION TYPE	SIGNAL ARM SPAN (FT)	DIMENSION B (WIDTH)	DIMENSION D (DEPTH)	REINFORCING V BARS MARK	REINFORCING H BARS MARK	REBAR POUNDS	3500 PSI CONCRETE CUBIC YARDS	NOTES
TYPE A (SQUARE)	15	3'-6"	5'-0"	#4V2	#3H2	49.1	2.27	
	20	"	"	"	"		"	
	25	"	"	"	"		"	
TYPE B (SQUARE)	30	4'-0"	6'-3"	#5V1	#3H1	82.6	3.70	
	35	"	"	"	"		"	
	40	"	"	"	"		"	
TYPE A (ROUND)	15	2'-6"	8'-6"	#6V4	#3H4	98.1	1.55	ROUND SHAPE TO BE USED ONLY WHERE SPECIFICALLY NOTED ON PLANS OR WHEN APPROVED BY THE PROJECT MANAGER.
	20	"	"	"	"		"	
	25	"	"	"	"		"	
TYPE B (ROUND)	30	3'-0"	11'-9"	#7V3	#3H3	179.7	3.08	
	35	"	"	"	"		"	
	40	"	"	"	"		"	

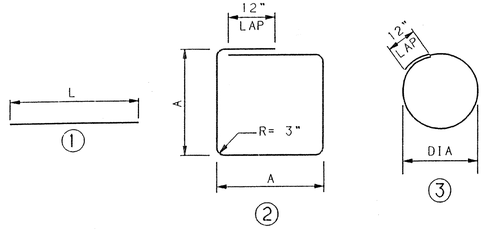
REINFORCING SCHEDULE (GRADE 60 BARS)

MARK	QUANT	TYPE	SIZE	LENGTH	COMMENTS
#5V1	8	1	5	5'-9"	
#4V2	8	1	4	4'-6"	
#7V3	6	1	7	11'-3"	
#6V4	6	1	6	8'-0"	
#3H1	6	2	3	15'-4"	A = 42", TIES AT 14" OC
#3H2	5	2	3	13'-4"	A = 36", TIES AT 12" OC
#3H3	12	3	3	9'-3"	DIA = 30", TIES AT 12" OC
#3H4	9	3	3	7'-8"	DIA = 24", TIES AT 12" OC



STAMP DETAIL

NO SCALE



BAR BENDING DIAGRAM

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

26 6913.81 2704

SCANNED BY MESA REPRO

AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S DATE 5/02
WORK INSPECTED BY CK
INSPECTOR'S COMMENTS/PUNCH LIST BY AD DATE 6/03
FIELD VERIFICATION BY CK DATE 8/03
DRAWINGS CORRECTED BY CK DATE 8/03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STATION IS A 3-1/4" ALUMINUM CAP RIVETTED TO A PIPE PROTRUDING 0.1' ABOVE THE GROUND AND STAMPED "ACS 4-B13,1986", LOCATED NEAR THE INTERSECTION ON ARROW AVENUE AND BRYAN AVENUE, N.W.
X= 375499.27
Y= 1525104.55
Z= 5169.511

SURVEY INFORMATION
FIELD NOTES
NO. | DATE | BY

ENGINEER'S SEAL

COA STD

REMARKS / REVISIONS
NO. | DATE | BY
DESIGN
DESIGNED BY COA DATE 8/96
DRAWN BY COA DATE 8/96
CHECKED BY COA DATE 8/96

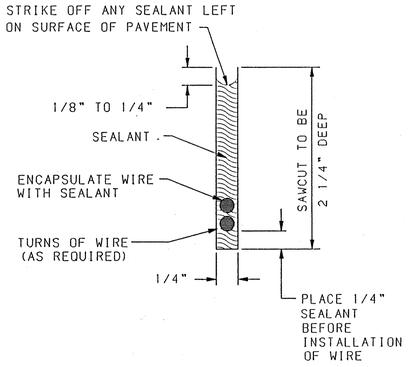
D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

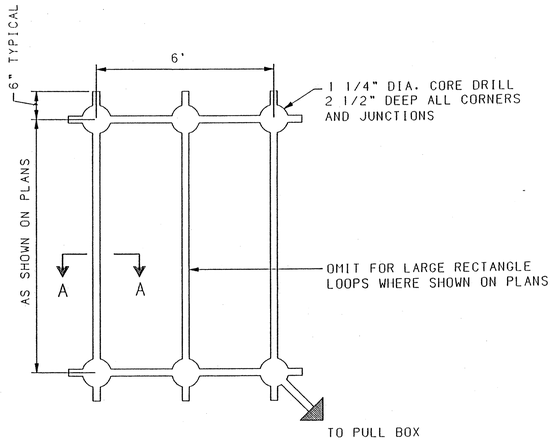
TITLE: TRAFFIC SIGNAL MASTARM DETAILS
FOUNDATION DETAILS
TYPE II AND TYPE III STANDARDS

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

CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET 27 OF 31

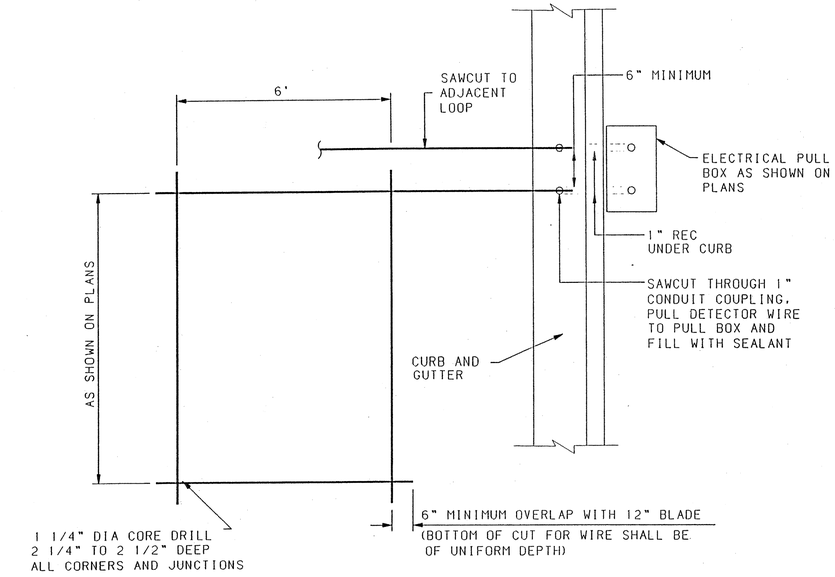


SECTION A-A

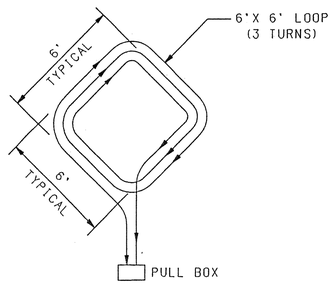


PLAN VIEW

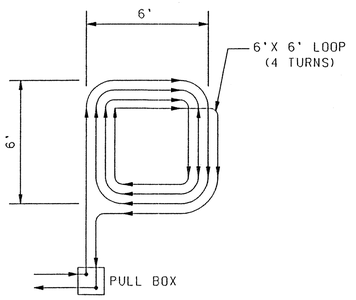
TYPICAL ROADWAY LOOP SAWCUT DETAIL



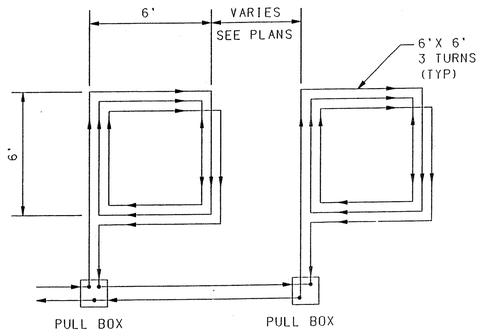
PLAN VIEW



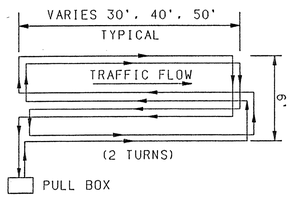
EXTEND CALL LOOP WIRING DETAIL



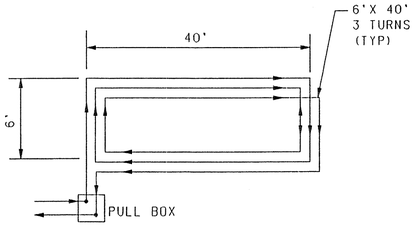
SYSTEM LOOP WIRING DETAIL



SERIES LOOP WIRING DETAIL



QUADRUPOLE LOOP WIRING DETAIL

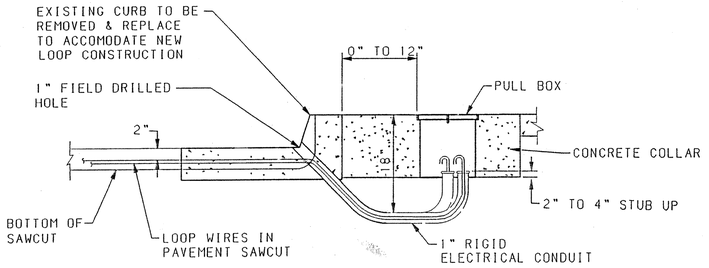


LARGE RECTANGULAR LOOP WIRING DETAIL

NOTES

1. WIRES MUST BE WOUND IN THE DIRECTION SHOWN.
2. QUADRUPOLE LOOPS SHALL HAVE 2 TURNS.
3. EXTEND CALL LOOPS SHALL HAVE 3 TURNS.
4. SYSTEM DETECTOR LOOPS SHALL HAVE 4 TURNS.
5. LARGE RECTANGLE LOOPS SHALL HAVE 3 TURNS

TYPICAL LOOP WIRE PLACEMENT DETAILS



SECTION

LOOP WIRE TERMINATION DETAILS

LOOP DETECTOR NOTES

1. ALL LOOP DETECTOR WIRE SHALL BE NO. 14 AWG STRANDED COPPER WIRE WITH CROSSLINKED POLYETHYLENE INSULATION (INDUSTRY TYPE XHHW) CONFORMING TO THE REQUIREMENTS OF I.M.S.A. SPECIFICATIONS NO 51-3 1984. BACKER ROD SHALL NOT BE USED IN THE INSTALLATION OF LOOP (EXCEPT PIECES LESS THAN 12" WHICH MAY BE PLACED OVER THE WIRE AT THE SAW CUT CORNERS TO HOLD THE WIRE. A 1/4" LAYER OF SEALANT SHALL BE PLACED IN THE SAWCUT BEFORE PLACEMENT OF THE WIRE AND THEN THE WIRE SHALL BE ENCAPSULATED WITH SEALANT. HOT-MELT RUBBERIZED ASPHALT LOOP DETECTOR SEALANT MANUFACTURED BY CRAFCO SHALL BE AN ACCEPTABLE SEALANT ALTERNATE.
2. ALL LOOP LEAD IN CABLES SHALL BE TAGGED AT CABINET TO IDENTIFY EACH CABLE BY LOOP AND AND PHASE NUMBER.
3. GROUND LOOP LEAD IN CABLE SHIELDING IN CONTROL CABINET.
4. SEPARATE 1" RIGID ELECTRICAL CONDUITS ARE REQUIRED FOR EACH PAIR OF DETECTOR WIRES.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2G 69138 1 2804

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STATION IS A 3-1/4" ALUMINUM CAP RIVETTED TO A PIPE PROTRUDING 0.1' ABOVE THE GROUND AND STAMPED "ACS 4-B13,1986". LOCATED NEAR THE INTERSECTION ON ARROW AVENUE AND BRYAN AVENUE, N.W.
X= 375469.27
Y= 1525104.55
Z= 5169.511

AS BUILT INFORMATION

CONTRACTOR	Rankin's	
WORK STAKED BY	CSC	DATE 11/96
WORK ACCEPTANCE BY	ACD	DATE 9/97
FIELD VERIFICATION BY	CSC	DATE 2/98
DRAWINGS CORRECTED BY	CSC	DATE 3/98

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL

COA STD

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	COA	DATE	8/96
DRAWN BY	COA	DATE	8/96
CHECKED BY	COA	DATE	8/96

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

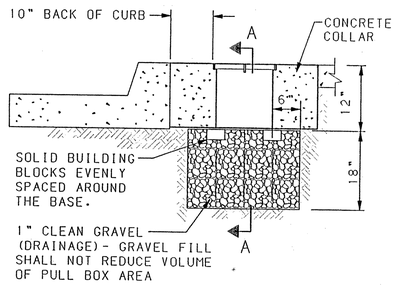
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC SIGNAL
LOOP DETECTOR DETAILS

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

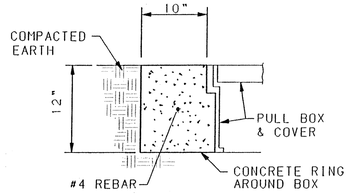
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
69138 1	H-10-Z	28	31

SCANNED BY MESA REPRO

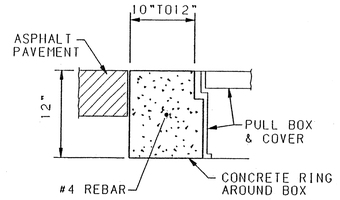


TYPICAL PULLBOX INSTALLATION

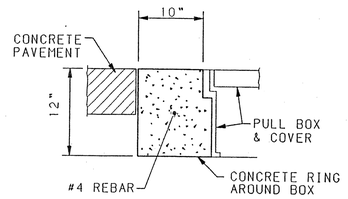
NOTE: SEE "CONCRETE COLLAR DETAILS"



IN COMPACTED EARTH



IN ASPHALT PAVEMENTS

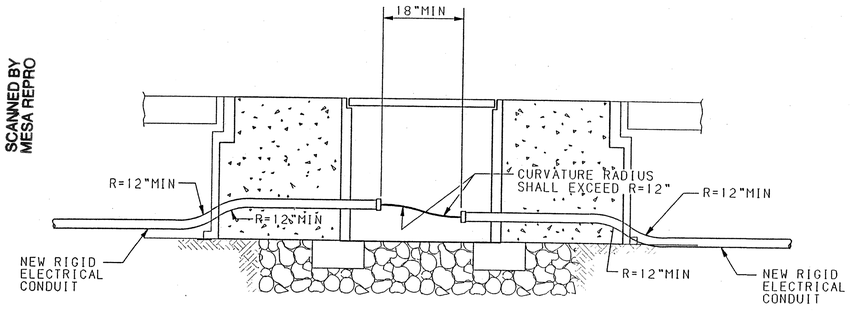


IN CONCRETE PAVEMENTS

CONCRETE COLLAR DETAILS

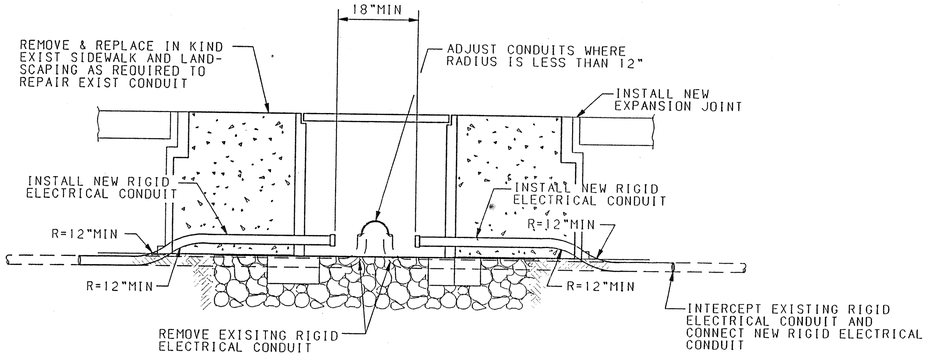
NOTE: THE CONCRETE COLLAR FOR THE PULL BOXES WILL BE CONSIDERED INCIDENTAL TO THE TO THE PULL BOX BID ITEMS.

SCANNED BY MESA REPRO

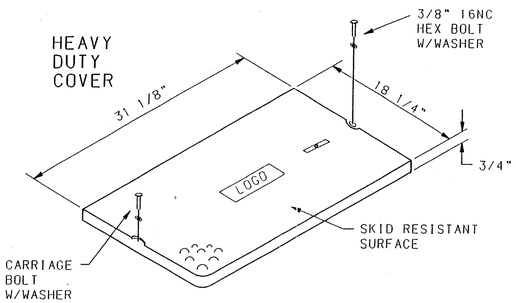


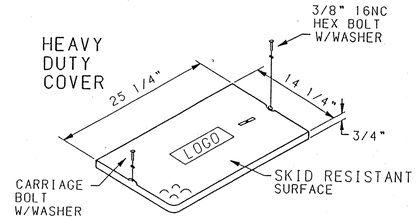
SECTION A-A

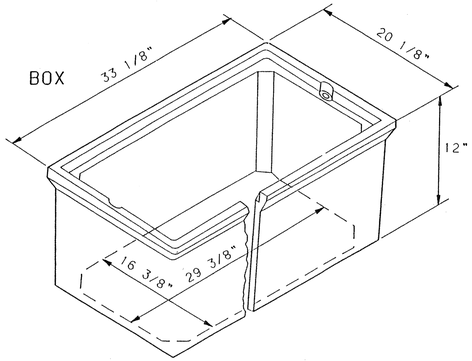
TRAFFIC SIGNAL PULLBOX (TYPICAL)
NEW CONDUIT INSTALLATION



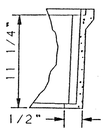
TRAFFIC SIGNAL PULLBOX (TYPICAL)
RETROFIT INSTALLATION

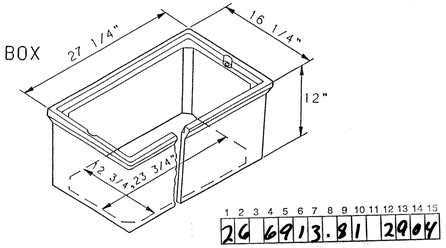






LARGE PULL BOX





STANDARD PULL BOX

PULL BOX DETAILS

NOTES FOR HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOXES AND COVERS

1. MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH A HEAVY WEAVE FIBERGLASS. THE MATERIAL MUST HAVE THE FOLLOWING MECHANICAL PROPERTIES: COMPRESSIVE STRENGTH-11,000 PSI. TENSILE STRENGTH-1700 PSI, FLEXURAL STRENGTH-7500 PSI.
2. ALL PULL BOX COVERS SHALL BE HEAVY DUTY REINFORCED POLYMER MORTAR, HAVING A SERVICE LOAD OF 15,000 LBS. OVER A 10" SQUARE (150 PSI). NO CONCRETE OR STEEL COVERS WILL BE ACCEPTABLE.
3. ELECTRICAL PULL BOX (SMALL) SHALL BE A HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVER MEASURING 12-7/8"x12-7/8"x3/4".

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STATION IS A 3-1/4" ALUMINUM CAP RIVETTED TO A PIPE PROTRUDING 0.1' ABOVE THE GROUND AND STAMPED "ACS 4-B13.1986". LOCATED NEAR THE INTERSECTION ON ARROW AVENUE AND BRYAN AVENUE, N.W.
X= 375499.27
Y= 1525104.55
Z= 5169.511

AS BUILT INFORMATION
CONTRACTOR FRANKLIN'S DATE 9/02
WORK STAKED BY CSC DATE 9/03
INSPECTION BY RLD DATE 9/03
FIELD VERIFICATION BY CSC DATE 9/03
DRAWINGS CORRECTED BY CSC DATE 9/03
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

COA STD

REMARKS / REVISIONS

NO.	DATE	BY
DESIGN	8/96	COA
DESIGNED BY	8/96	COA
DRAWN BY	8/96	COA
CHECKED BY	8/96	COA

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2G 6913.81 2904

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC SIGNAL PULL BOX DETAILS

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

CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET 29 OF 31

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.

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

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

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

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

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

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

⚠ 19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

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

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

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

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

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

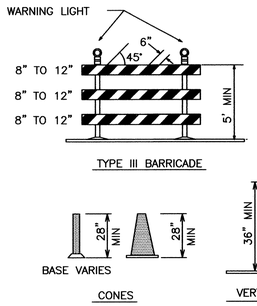
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

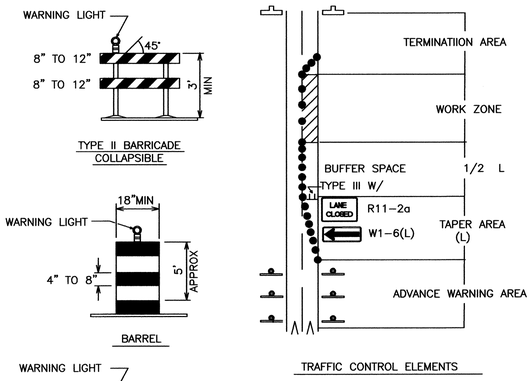
⚠ 26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

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

SPECIAL PROJECT TRAFFIC CONTROL NOTES:

1. TWO-WAY TRAFFIC MUST BE MAINTAINED ON OURAY ROAD AND LADERA DRIVE AT ALL TIMES.
2. ARTERIAL/COLLECTOR ROAD USAGE FEES OF $0.01 PER SQUARE FOOT OF BARRICADE AREA PER DAY WILL BE ASSESSED FOR ALL LANE AND ROAD CLOSURES ON EITHER OURAY ROAD OR LADERA DRIVE.
3. CONTRACTOR MUST WORK EXTENDED HOURS FROM 7:00 a.m. TO 7:00 p.m. WHEN OVERNIGHT LANE CLOSURES ON LADERA DRIVE ARE NECESSARY. OTHERWISE ALLOWED WORKING HOURS WILL BE FROM 9:00a.m. TO 3:00 p.m.
4. REQUESTS FOR BARRICADES AND/OR EXCAVATION PERMITS MAY BE DELAYED OR DENIED DUE TO CONFLICTS WITH OTHER ONGOING PROJECTS IN THE VICINITY.





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

TAPER CRITERIA

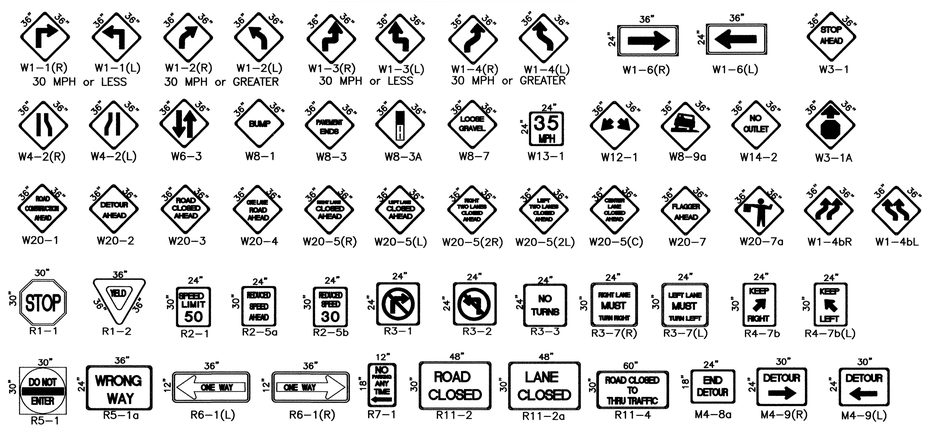
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

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

SIGN FACE DETAILS



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

26 6913.81 3004

AS-BUILT INFORMATION
CONTRACTOR — DATE
WORKS BY — DATE 6/03
INSPECTOR'S ACCEPTANCE BY — DATE 7/03
FIELD VERIFICATION BY — DATE 8/03
DRAWINGS CORRECTED BY — DATE 8/03
MICRO-FILM INFORMATION — DATE
RECORDED BY
NO.

SURVEY INFORMATION — BENCH MARKS
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

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

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

C.O.A. STANDARD

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: *LADERA VISTA SUBDIVISION 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			

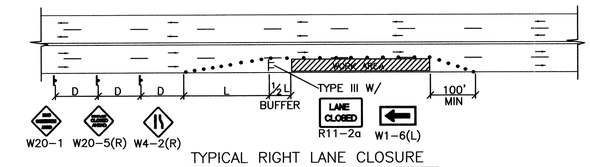
CITY PROJECT NO. 691381 | ZONE MAP NO. H-10-Z | SHEET 30 OF 31

SCANNED BY MESA REPRO

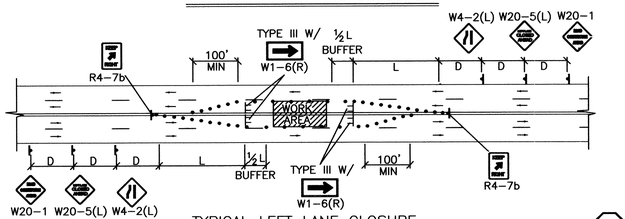
F:\A01\JOBS\A1096L\PLANS\A1096ec1.dwg Tue Jul 30 17:10:16 2002 D. MARK GOODWIN & ASSOCIATES; PLTTED BY: DER

F:\A01\jobs\A1096L\PLANS\A1096ec1.dwg\07-30-02\DER

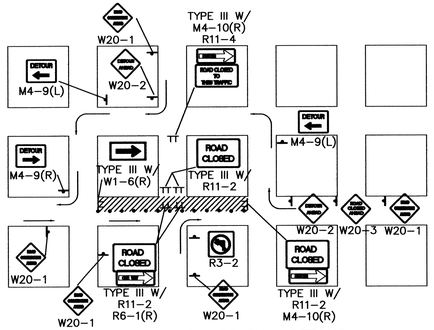
CITYSIGN.DWG 6-11-97



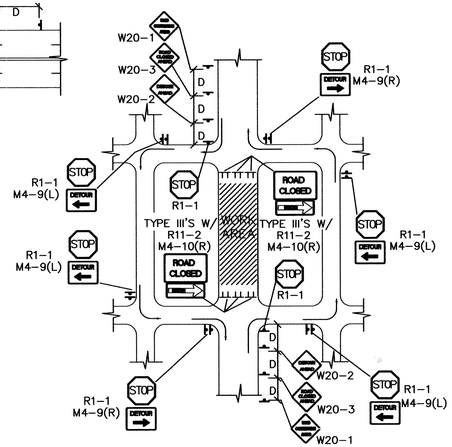
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE



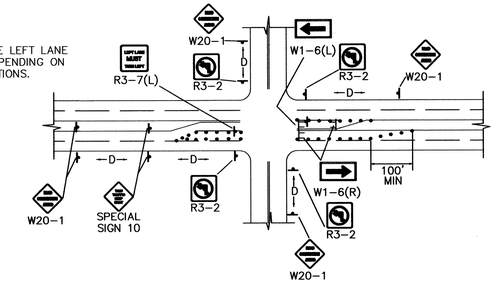
TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

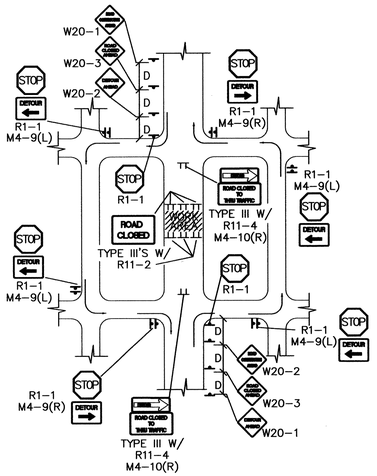
NOTE: (R1–1) BASED ON FIELD CONDITIONS.

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



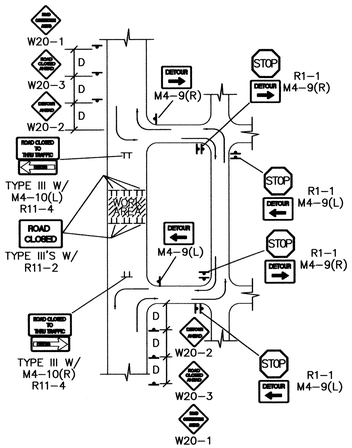
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



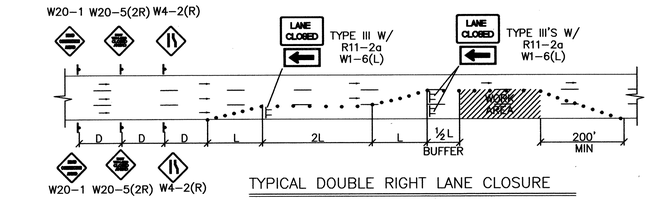
TYPICAL MID–BLOCK CLOSURE

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

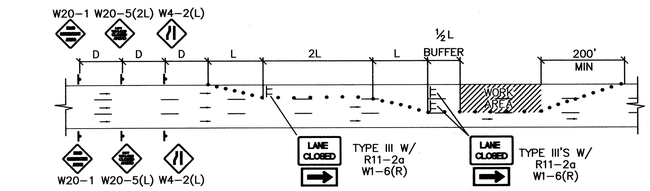


TYPICAL STREET CLOSURE

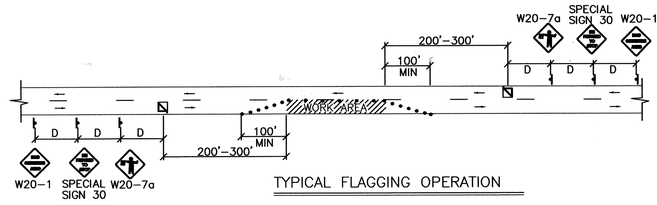
NOTE: (R1–1) BASED ON FIELD CONDITIONS.



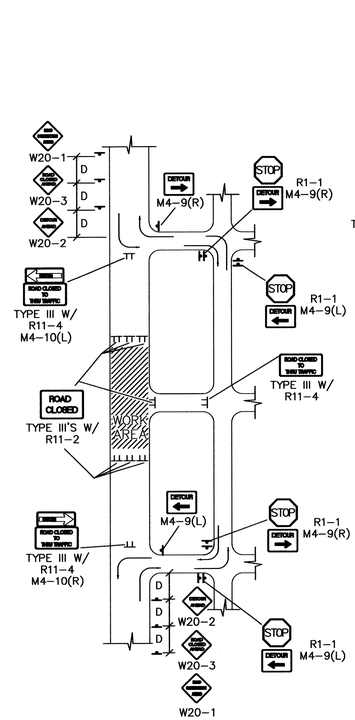
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE

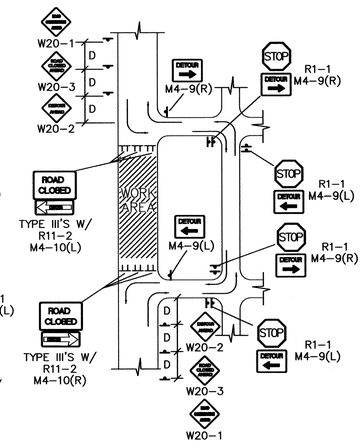


TYPICAL FLAGGING OPERATION



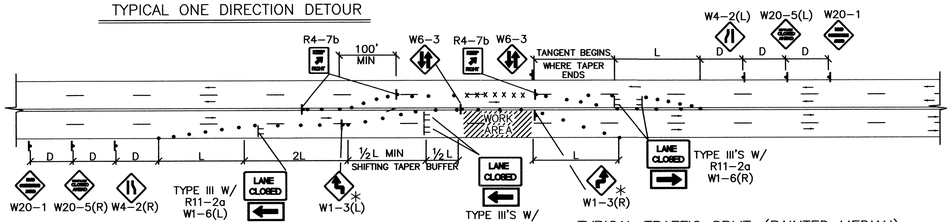
TYPICAL STREET CLOSURE

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

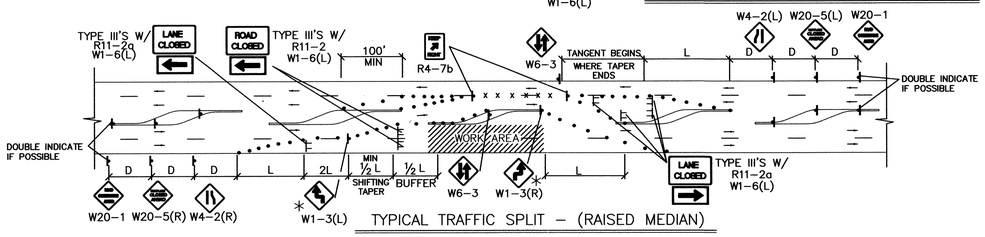


TYPICAL STREET CLOSURE

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



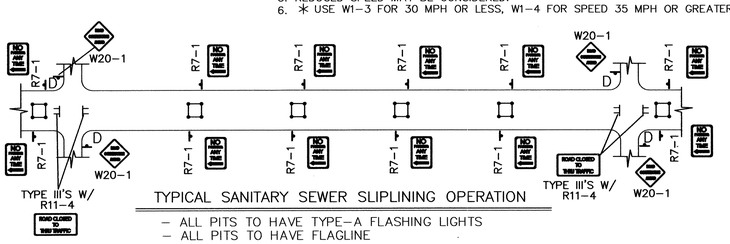
TYPICAL TRAFFIC SPLIT–(PAINTED MEDIAN)



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.

SURVEY INFORMATION — BENCH MARKS — AS–BUILT INFORMATION

FIELD NOTES

NO.	BY	DATE

	CONTRACTOR	DATE
	WORK STARTED BY	DATE 1/02
	INSPECTOR'S ACCEPTANCE BY	DATE 2/02
	FIELD VERIFICATION BY	DATE 2/02
	DRAWING CORRECTED BY	DATE 2/02
	MICRO–FILM INFORMATION	DATE
	RECORDED BY	
	NO.	

ENGINEER'S SEAL

C.O.A. STANDARD

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

26 6913.81 3104

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: *LADERA VISTA SUBDIVISION*
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.	ZONE MAP NO.	SHEET	OF
691381	H-10-Z	31	31

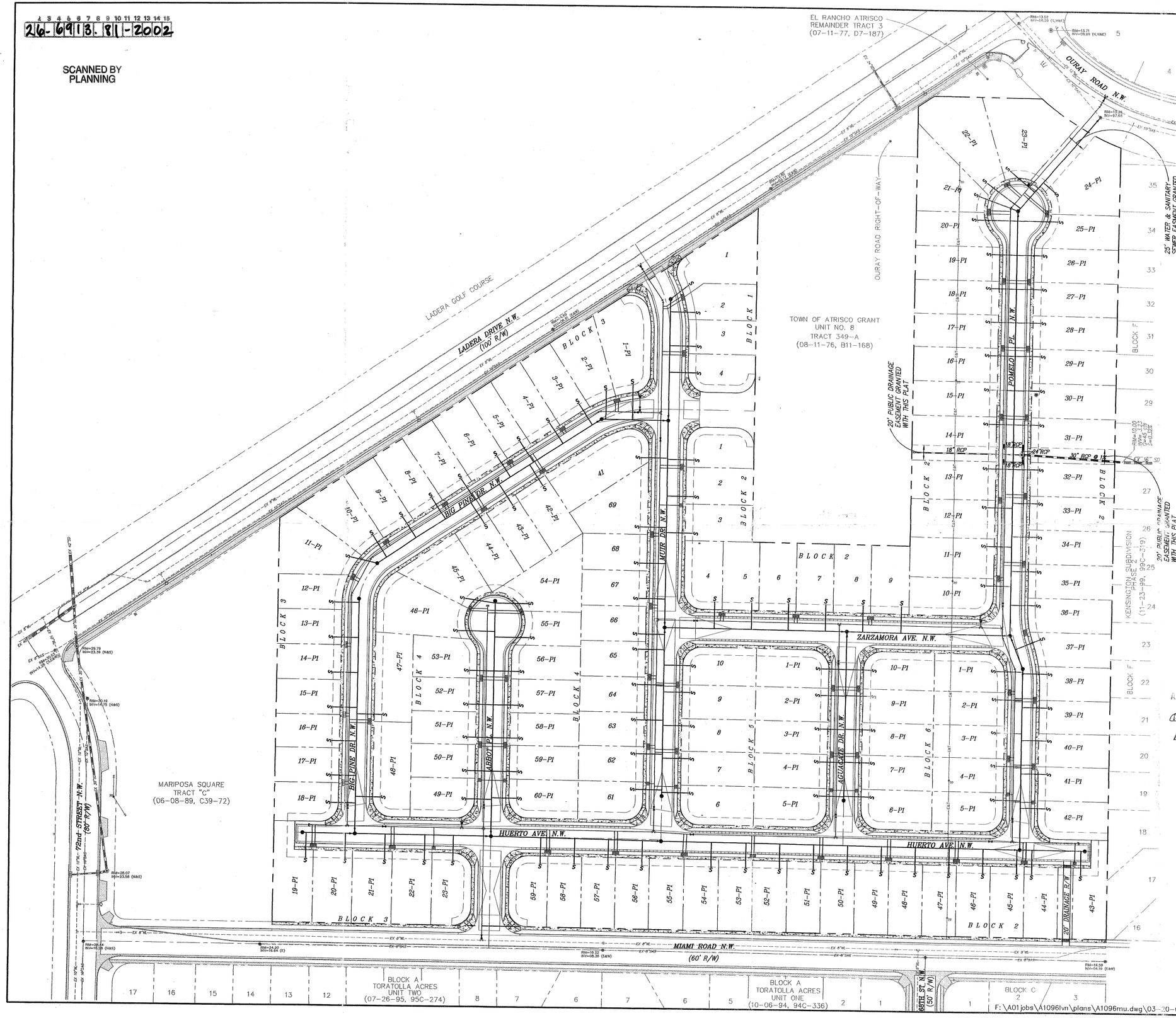
SCANNED BY MESA REPRO

F:\A01\JOBS\A1096L\VN\plans\A1096ltc2.dwg Tue Jul 30 17:11:12 2002 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: DER

F:\A01\jobs\A1096lm\PLANS\A1096ltc2.dwg 07-30-02\DER

26-6913.81-2002

SCANNED BY PLANNING



LEGEND

- EXISTING CURB & GUTTER
- EXISTING ASPHALT CURB
- EXISTING BOUNDARY LINE
- EXISTING ADJOINING PROPERTY LINE
- EXISTING CONCRETE/SIDEWALK
- EXISTING TRAFFIC LIGHT
- EXISTING STORM DRAIN INLET
- EXISTING STROM DRAIN PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING POWER POLE
- EXISTING ELECTRIC & TELEPHONE LINE
- EXISTING TRANSFORMER
- EXISTING PEDESTAL
- EXISTING GAS VALVE
- EXISTING WATERLINE
- EXISTING WATER GATE VALVE
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM MANHOLE
- PROPOSED STORM DRAIN INLET
- PROPOSED WATERLINE
- PROPOSED WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED SINGLE WATER METER
- PROPOSED DOUBLE WATER METER
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER SERVICE
- PROPOSED STANDARD CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED LOT LINE
- PROPOSED/EXISTING EASEMENT LINE
- PROPOSED CENTERLINE
- PROPOSED CONCRETE SIDEWALK
- PROPOSED STREET ADDRESS

AFD PLANS CHECKING OFFICE
924-3611
APPROVED/DISAPPROVED
HYDRANT(S) ONLY
R.C. Lang 3-26-02
SIGNATURE & DATE

N

60' 30' 0 60' 120'

SCALE: 1"= 60'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS STATION J-H10. TO REACH STATION FROM THE INTERSECTION OF I-40 & UNSER BLVD., GO NORTH ON UNSER BLVD. 0.75 MI. TO LADERA DR. THE STATION IS NORTHEAST OF THE INTERSECTION. THE STATION IS A STANDARD ACS BRASS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY AND STAMPED "J-H10". X= 356,888.72, Y= 1493922.98, ELEVATION= 5193.38 (SLD 1929).

AS BUILT INFORMATION

CONTRACTOR

WORK STAKED BY	DATE
CONSTRUCTION ACCEPTANCE BY	DATE
FIELD LOCATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY ALD DATE 03/02
DRAWN BY DER DATE 03/02
CHECKED BY DMG

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:

LADERA VISTA SUBDIVISION MASTER UTILITY PLAN

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

CITY PROJECT NO. 69138.1

ZONE MAP NO. H-10-Z

SHEET OF

F:\A01jobs\A1096lvn\plans\A1096mu.dwg\03-20-02\DER

F:\A01JOBS\A1096LVN\plans\A1096mu.dwg Wed Mar 20 16:35:56 2002 by der