CONSTRUCTION PLANS

FOR

LADERA BREEZE EAST SUBDIVISION

ALBUQUERQUE, NEW MEXICO

SCANNED BY MESA REPRO

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2–3	PLAT
4	GRADING AND DRAINAGE PLAN
5–6	PAVING IMPROVEMENTS
7	UTILITY IMPROVEMENTS
8–9	TRAFFIC CONTROL

APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 5/29/02

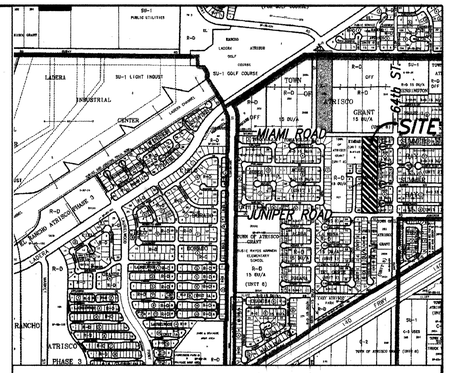
RECORD DRAWING

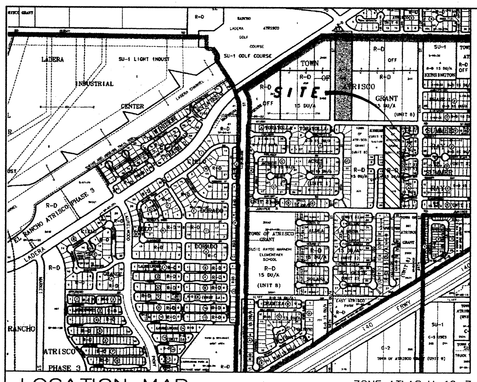
I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, Inc., and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial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

Mark Goodwin 11/28/01 NMPE 8948

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

DRB NO. 1000457


LADERA
INDUSTRIAL
CENTER
SU-1 LIGHT INDUST
SU-1 GOLF COURSE
TOWN
ATRISCO
GRANT
MIAMI ROAD
JUNIPER ROAD
SITE
RANCHO ATRISCO
PHASE 3
RANCHO
ATRISCO
SU-1
PUBLIC UTILITIES
R-D
R-O
OFF
C-2
SU-1 PUBLIC SERVICE WARRIOR ELEMENTARY SCHOOL
R-D 15 DU/A (UNIT 6)
SU-1 PUBLIC SERVICE WARRIOR MIDDLE SCHOOL
R-D 15 DU/A
SU-1 PUBLIC SERVICE WARRIOR HIGH SCHOOL
R-D 15 DU/A
SU-1 PUBLIC SERVICE WARRIOR ELEMENTARY SCHOOL
R-D 15 DU/A
(



LOCATION MAP

ZONE ATLAS H-10-Z

SCALE: NONE

SUBDIVISION DATA

PLAT CASE NOS. DRB/1000458	V.
GROSS ACREAGE	4.9964 AC
ZONE ATLAS NO.	H-10-Z
NO. OF EXISTING TRACTS/LOTS	1 TRACT
NO. OF TRACTS/LOTS CREATED	45 LOTS
NO. OF TRACTS/LOTS ELIMINATED	1 TRACTS
MILES OF FULL WIDTH STREETS CREATED	0.22
AREA DEDICATED TO CITY OF ALBUQUERQUE	1.1933 AC
DATE OF SURVEY	FEBRUARY 2000.
UTILITY CONTROL LOCATION SYSTEM LOG NUMBER:	00022310140304

FREE CONSENT AND DEDICATION

The subdivision hereon described is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate all streets and public right-of-ways shown hereon to the City of Albuquerque in fee simple with warranty covenants and do hereby grant: all access, utility and drainage easements shown hereon 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.

OWNER:
DESERT SUNRISE

KEITH MACDUFFEE — 3/29/00
PRESIDENT — ***DATE***

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO }
COUNTY OF BERNALILLO } ss

This instrument was acknowledged before me on March 29, 2000
by Keith MacDuffee President, Desert Sunrise,
a New Mexico Corporation on behalf of said Corporation.

Sheri Thacker — 7/02/02
NOTARY PUBLIC — MY COMMISSION EXPIRES

OFFICIAL SEAL
SHERI THACKER
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires: 7/02/02

LEGAL DESCRIPTION

(SEE SHEET 2)

NOTES

(SEE SHEET 2)

SCANNED BY MESA REPRO

PURPOSE OF PLAT

SUBDIVIDE TRACT 319, TOWN OF ATRISCO GRANT, UNIT 8 INTO 45 RESIDENTIAL LOTS

GRANT NEW EASEMENTS AS SHOWN

DEDICATE NEW RIGHT-OF-WAY AS SHOWN

PLAT FOR
LADERA BREEZE EAST
WITHIN THE
TOWN OF ATRISCO GRANT
PROJECTED SECTION 10
TOWNSHIP 10 NORTH, RANGE 2 EAST, N.M.P.M.
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MARCH, 2000

APPROVED AND ACCEPTED BY:

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

Subdivision Case No. _____

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

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

Albuquerque Metropolitan Arroyo Flood Control Authority — Date

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

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

Parks and Recreation — Date

City Surveyor, City of Albuquerque, N.M. — 4-5-00 Date

Property Management, City of Albuquerque, N.M. — 6-9-00 Date

PNM GAS — 06-01-00 Date

U.S. West Telecommunications — 6-9-00 Date

PNM ELECTRIC — Date

Jones Intercable, Inc. — 6/2/00 Date

SURVEYOR'S CERTIFICATION

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

TIMOTHY ALDRICH, N.M. No. 7719 — 04-05-00 DATE

dwg:	EASTCOVER	Drawn:	SPS	Checked:	ALS	Sheet	1 of 3
Scale:	1"=50'	Date:	03-07-00	Job:	A00032		

PLAT FOR
LADERA BREEZE EAST
WITHIN THE
TOWN OF ATRISCO GRANT
PROJECTED SECTION 10
TOWNSHIP 10 NORTH, RANGE 2 EAST, N.M.P.M.
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MARCH, 2000

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 TRACT 319, 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 December 5, 1944 in Volume D, Folio 117 and being more particularly described as follows:

BEGINNING at the northeast corner of the herein described tract said point being common with the northwest corner of BLOCK A, UNIT TWO, SUMMER RAY 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 October 8, 1996 in Volume 96C, Folio 424 and further being on the south right-of-way line of Miami Road N.W. from whence the Albuquerque Control Survey Monument "2-H10" bears N 72°16'58" E, 215.24 feet;

THENCE leaving said south right-of-way line S 00°37'44" W, 1036.92 feet along a line common with the west line of said BLOCK A, UNIT TWO, SUMMER RAY and along a line common with the west line of BLOCK A, UNIT ONE, SUMMER RAY 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 November 21, 1995 in Volume 95C, Folio 423 to the southeast corner, said point being common with the southwest corner of said BLOCK A, UNIT ONE, SUMMER RAY and further being on the north right-of-way line of Juniper Road N.W.;

THENCE along said north right-of-way line N 89°21'59" W, 209.84 feet to the southwest corner, said point being common with the southeast corner of KIMBAR SUBDIVISION, UNIT ONE 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 9, 1997 in Volume 97C, Folio 143;

THENCE leaving said north right-of-way line N 00°37'22" E, 1036.88 feet along a line common with the west line of said KIMBAR SUBDIVISION, UNIT ONE to the northwest corner, said corner being common with the northeast corner of said KIMBAR SUBDIVISION, UNIT ONE and further being on the south right-of-way line of said Miami Road N.W.;

THENCE along said south right-of-way line S 89°22'35" E, 209.96 feet to the point of beginning and containing 4.9964 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:

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

"SUMMER RAY, UNIT ONE", (11-21-95, 95C-423)

"SUMMER RAY, UNIT TWO", (10-08-96, 96C-424)

"KIMBAR SUBDIVISION, UNIT ONE", (05-09-97, 97C-143)

all being records of Bernalillo County, New Mexico.

4. Field Survey performed February, 2000.
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: provided by First American Title Insurance Co., Commitment No.: 03990519 (Effective date: 08-13-99)
7. Utility Council Location System Log No.: 00022310130304
8. Unless otherwise noted all points are set 5/8" rebar with cap "ALS LS 7719"

PUBLIC UTILITY EASEMENTS:

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

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

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

3. U.S. West 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. Jones Intercable 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.

04-05-00

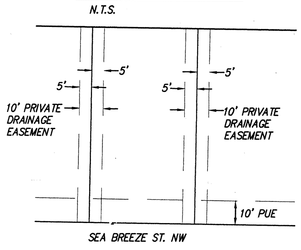
dwg:	A0032_2NSHEET	Drawn:	SPS	Checked:	ALS	Sheet	2 of 3
Scale:	1"=50'	Date:	03-07-00	Job:	A0032		

SCANNED BY
MESA REPRO

PLAT FOR
LADERA BREEZE EAST
WITHIN THE
TOWN OF ATRISCO GRANT
PROJECTED SECTION 10
TOWNSHIP 10, NORTH, RANGE 2 EAST, N.M.P.M.
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MARCH, 2000

TYPICAL LOT DETAIL

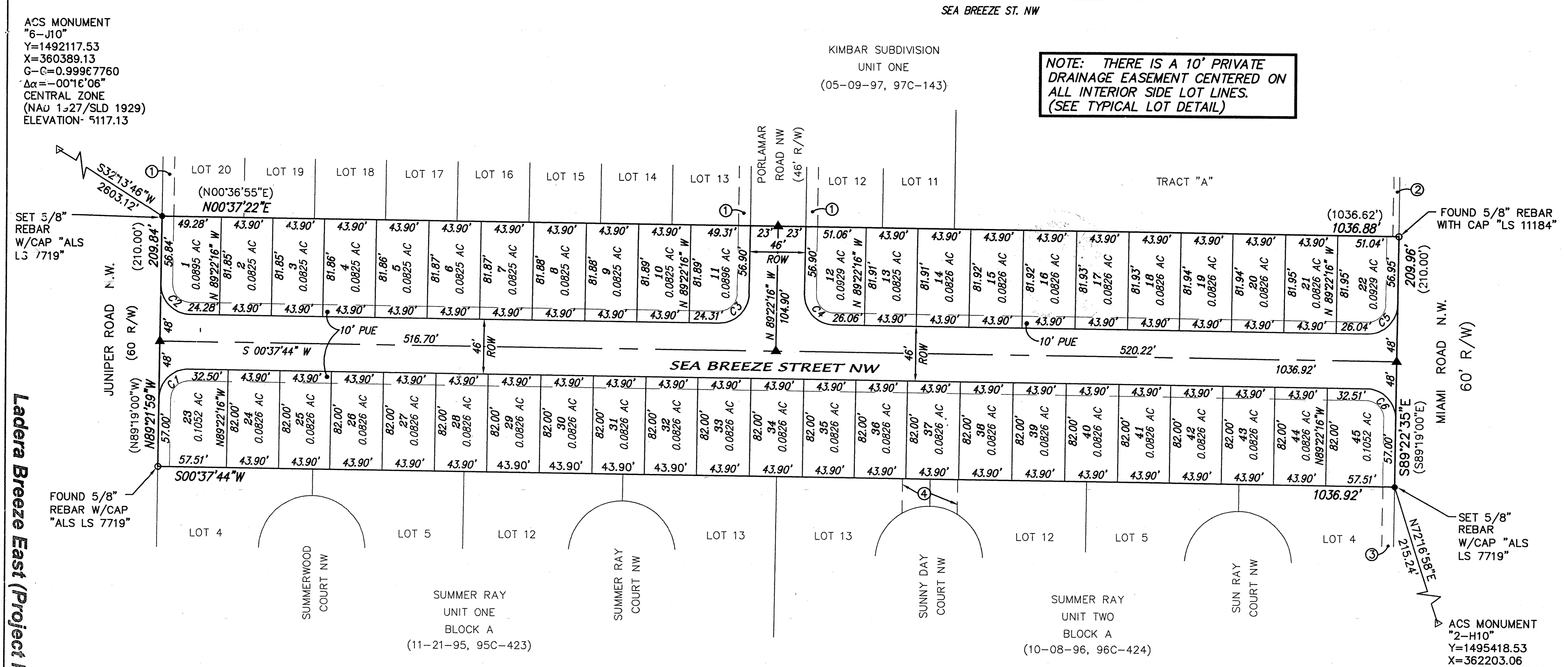
N.T.S.



NOTE: THERE IS A 10' PRIVATE DRAINAGE EASEMENT CENTERED ON ALL INTERIOR SIDE LOT LINES. (SEE TYPICAL LOT DETAIL)

CURVE DATA

NUMBER	R = '	L = '	D =	T = '	CH BEARIN=	CHORD LE='
C1	25.00	39.27	89°59'43"	25.00	N 44°22'07" W	35.35
C2	25.00	39.27	90°00'17"	25.00	N 45°37'53" E	35.36
C3	25.00	39.27	90°00'00"	25.00	N 44°22'16" W	35.36
C4	25.00	39.27	90°00'00"	25.00	N 45°37'44" E	35.36
C5	25.00	39.27	90°00'20"	25.00	N 44°22'26" W	35.36
C6	25.00	39.27	89°59'41"	25.00	N 45°37'35" E	35.35



EASEMENTS

1. EXISTING 10' PUE (05-09-97, 97C-143)
2. EXISTING 5' PNM ELECTRICAL SERVICES EASEMENT (05-09-97, 97C-143)
3. EXISTING 10' PUE (11-21-95, 95C-423)
4. EXISTING 46' ROADWAY EASEMENT (10-08-96, 96C-424)

N

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".

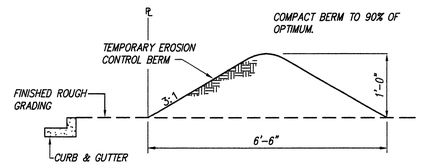
06-01-00

dwg: PLATEAST	Drawn: SPS	Checked: ALS	Sheet 3 of 3
Scale: 1"=60'	Date: 3/29/00	Job: A0032	

Ladera Breeze East (Project No 645581) Sht. 3 of 9

NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING
5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
6. SITE DOES NOT LIE IN A 100 YEAR FLOOD ZONE.



EROSION CONTROL BERM DETAIL

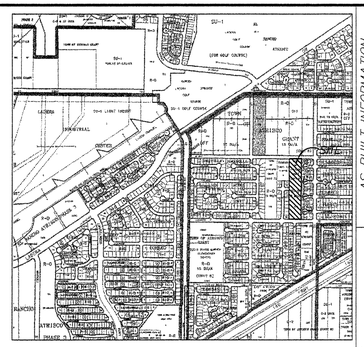
N.T.S.

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.

LEGEND

5115	EXISTING CONTOUR (MAJOR)		PROPERTY LINE
5116	EXISTING CONTOUR (MINOR)		EXISTING FENCE
TC=13.87 FL=13.20	EXISTING TOP OF CURB SPOT ELEVATION / EXISTING FLOWLINE SPOT ELEVATION		EXISTING SANITARY SEWER MANHOLE
× 00.00	EXISTING SPOT ELEVATION		EXISTING WATER VALVE
• 14.50	NEW SPOT ELEVATION		EXISTING FIRE HYDRANT
	NEW MOUNTABLE CURB AND GUTTER	E,T&CATV	EXIASTING OVERHEAD UTILITY LINES
	NEW STANDARD CURB AND GUTTER		EXISTING POWER POLE
	EXISTING CONCRETE CURB AND GUTTER		EXISTING GUY WIRE
	EXISTING CONCRETE/SIDEWALK		EXISTING TELEPHONE PEDESTAL
	EXISTING WALL OR HEAD WALL		EXISTING CABLE T.V. PEDESTAL
FP =	FINISHED PAD ELEVATION		EXISTING UNDERGROUND GAS MARKER
	DRAINAGE BASIN BOUNDARY		NEW RETAINING WALL
	HIGH WATER POINT		NEW PAVEMENT



VICINITY MAP

ZONE ATLAS: H-10-Z

SCALE: NONE

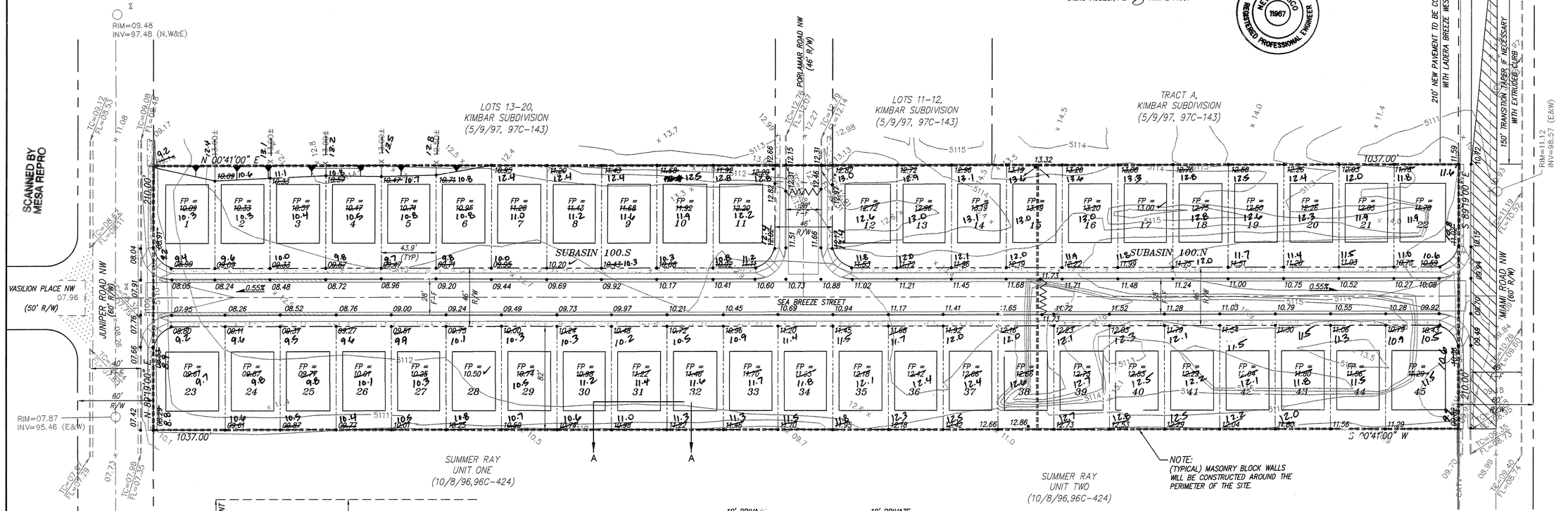
RECORD DRAWING

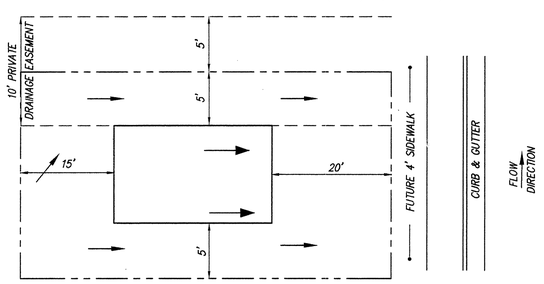
I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro Systems Inc., and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial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

Diane Hoelzer 12-17-01

Diane Hoelzer, PE NMPE 11967

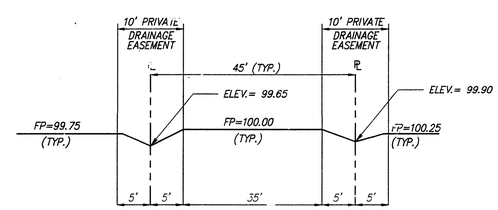
DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER





TYPICAL LOT LAYOUT PLAN

N.T.S.



TYPICAL LOT LAYOUT SECTION A-A

N.T.S.

40' 20' 0 40' 80'

SCALE: 1" = 40'

A00032LB\0032GD40E\04-13-00\MJR DLH WLV

AS BUILT INFORMATION

CONTRACTOR	HYDRO-SYSTEMS	DATE 8/6/
WORK STAKED BY	ALS	DATE 11/6/
INSPECTOR'S ACCEPTANCE BY	MGA	DATE 11/6/
FIELD VERIFICATION BY	ALS	DATE 11/6/
DRAWINGS CORRECTED BY	MGA	DATE 11/6/

BENCH MARKS

ACS MONUMENT "2-H10"
X = 362203.06, Y = 1495418.53, C-G = .99967738
N.M. CENTRAL ZONE (NAD 1927)(SLD 1029)
ELEVATION = 5108.81
THE STATION IS A STANDARD ACS BRASS TABLET
STAMPED "2-H10 A-1980" SET 0.2 FT. ABOVE THE GROUND.

RECORDED BY

DATE

NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DIANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER 12-14-00

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	DLH	2/00
DRAWN BY	MJR, WLV	2/00
CHECKED BY	DMG	2/00

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

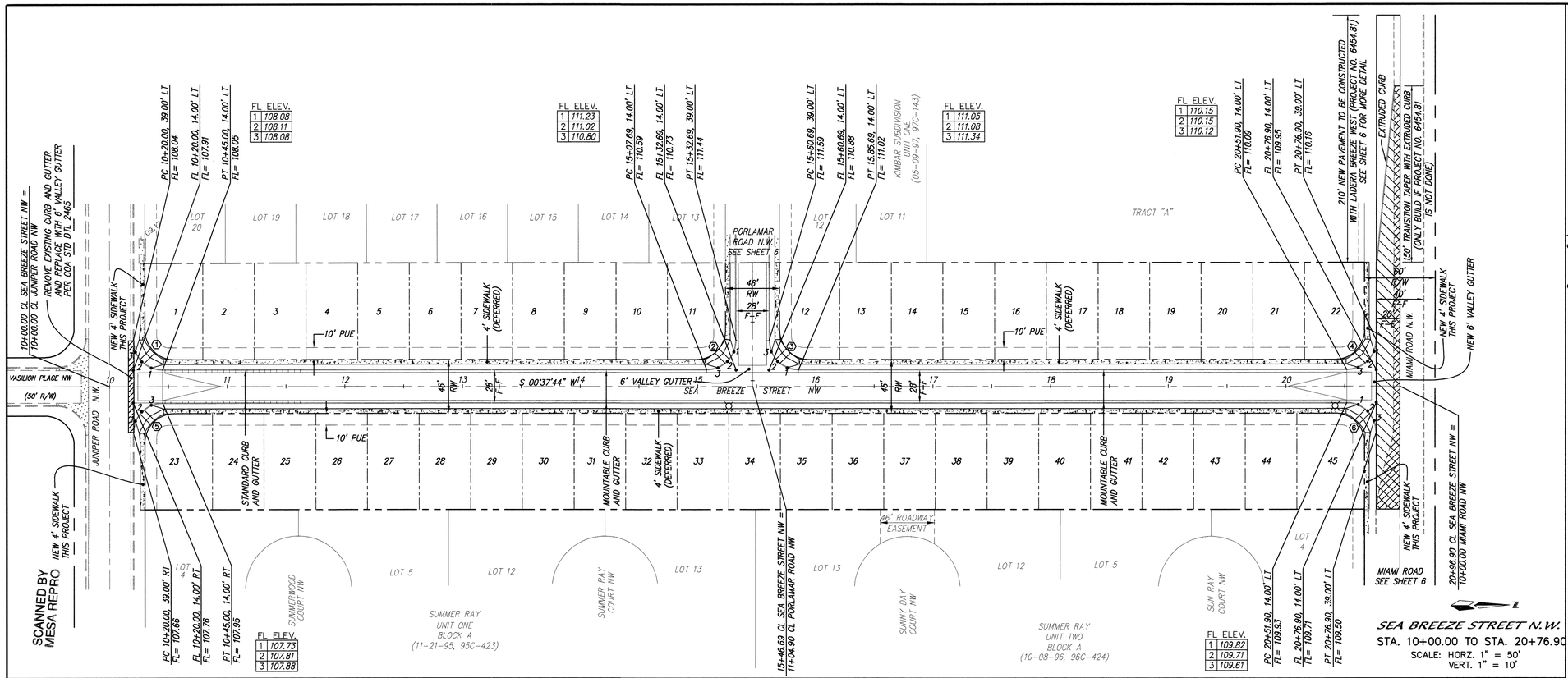
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LADERA BREEZE EAST SUBDIVISION GRADING AND DRAINAGE PLAN

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET
645581	H-10-Z	4 of 9

City Engineer: R. Baca



SCANNED BY MESA REPRO

NOTES

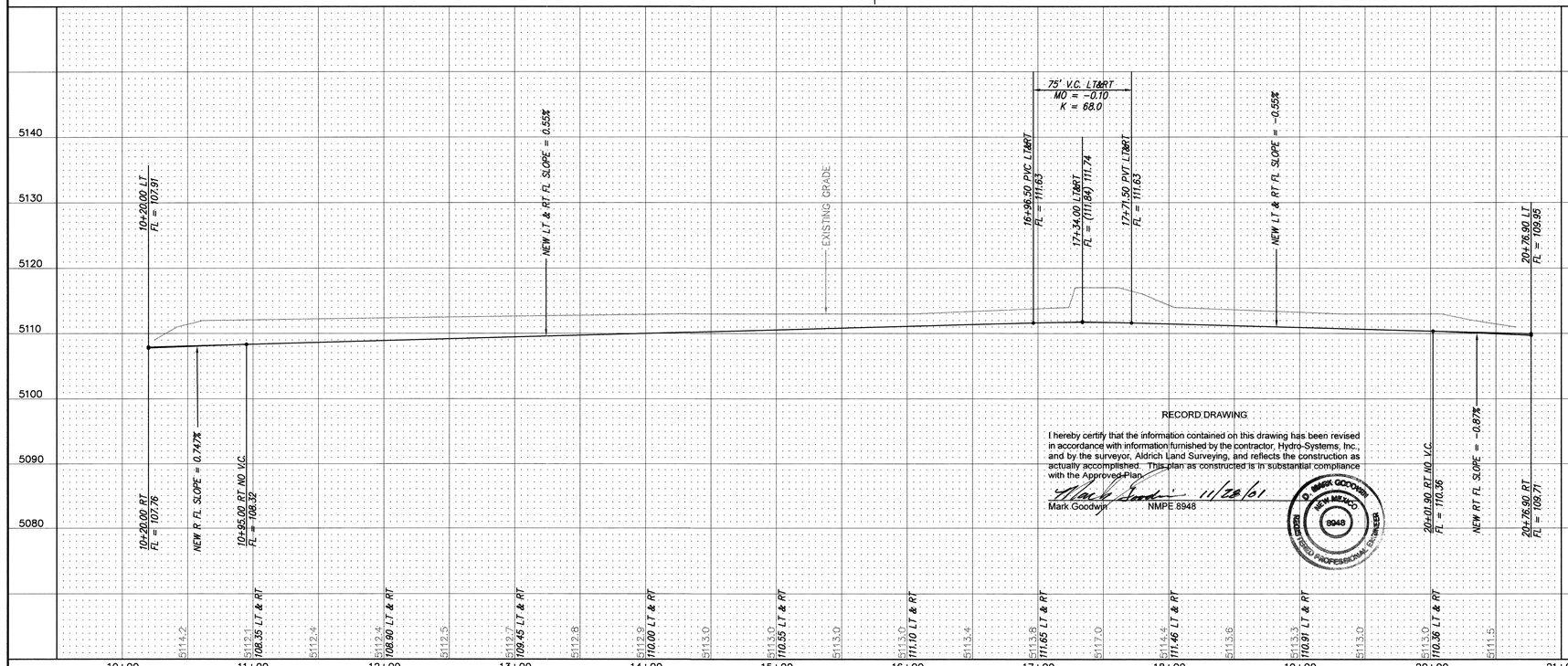
1. ALL STATIONING IS CENTERLINE STATIONING
2. ALL SIDEWALKS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2430.
3. ALL 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420.
5. ALL 4' INTERIOR SIDEWALKS ARE DEFERRED.
4. ALL HANDICAP RAMPS ARE PER DETAIL ON SHEET 6.
6. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50 FEET.

CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 90°00'17" RT. R = 25.00' L = 39.27' T = 25.00'
② Δ = 90°00'00" RT. R = 25.00' L = 39.27' T = 25.00'
③ Δ = 90°00'00" RT. R = 25.00' L = 39.27' T = 25.00'
④ Δ = 90°00'19" RT. R = 25.00' L = 39.27' T = 25.00'
⑤ Δ = 89°59'43" RT. R = 25.00' L = 39.27' T = 25.00'
⑥ Δ = 89°59'41" RT. R = 25.00' L = 39.27' T = 25.00'

LEGEND

- NEW SIDEWALK
- 50' CROWN TRANSITION
- STANDARD CURB & GUTTER
- MOUNTABLE CURB & GUTTER
- RETAINING WALL
- STREET LIGHT
- TRACT/LOT BOUNDARY
- RIGHT OF WAY
- PROPERTY LINE
- HANDICAP RAMPS PER DETAIL SHEET 6
- NEW OFFSITE PAVEMENT PER MIAMI ROAD PAVEMENT SECTION
- REMOVE IF TEMPORARY PAVEMENT SECTION. REPLACE WITH MIAMI PAVEMENT SECTION PER DETAIL SHEET 6.



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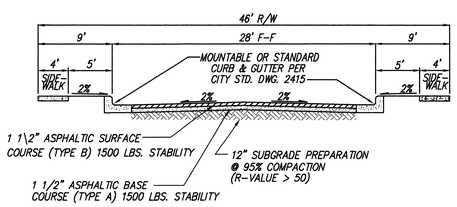
Mark Goodwin 11/28/01
Mark Goodwin NMPE 8948

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER



SEA BREEZE & PORLAMAR ROAD PAVEMENT SECTION

AS BUILT INFORMATION

CONTRACTOR	NORTH - SYSTEMS	DATE 8/01
WORK STAKED BY	ALS	
INSPECTORS ACCEPTANCE BY	WGM	DATE 9/01
FIELD VERIFICATION BY	ALS	DATE 1/01
DRAWINGS CORRECTED BY	WGM	DATE 11/01
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

C.L. Esparza, R. Baca

BENCH MARKS

ACS MONUMENT "2-H10"
X = 362203.06, Y = 1495418.53, G-G = .99967738
N.M. CENTRAL ZONE (NAD 1927)(SLD 1029)
ELEVATION = 5108.81
THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "2-H10 A-1980" SET 0.2 FT. ABOVE THE GROUND.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DUANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER 10-11-01

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY	DLH	DATE	5/00
DRAWN BY	NHM	DATE	5/00
CHECKED BY	DMG	DATE	5/00

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LADERA BREEZE EAST SUBDIVISION PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE: APPROVED JAN 2 0 2001 DESIGN REVIEW COMMITTEE

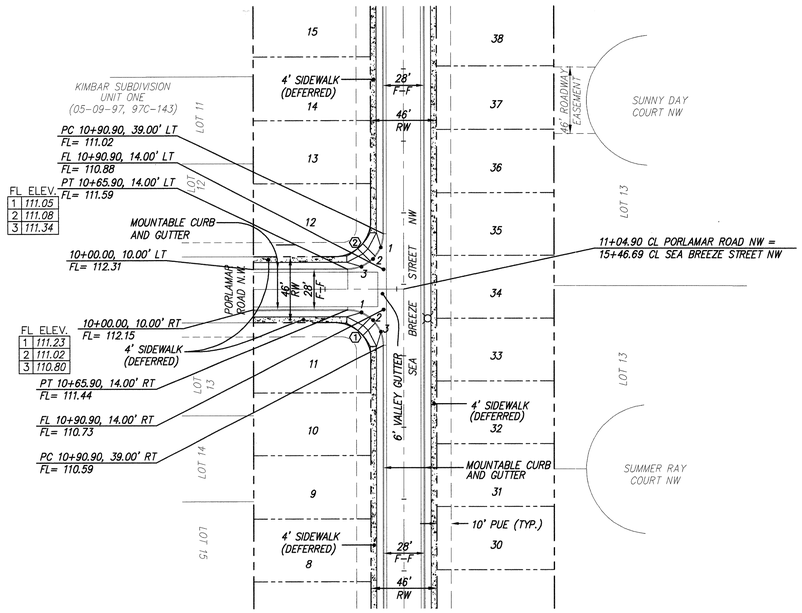
CITY ENGINEER APPROVAL: SEP 1 4 2001 CITY ENGINEER

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
6455.81	H-10	5	9

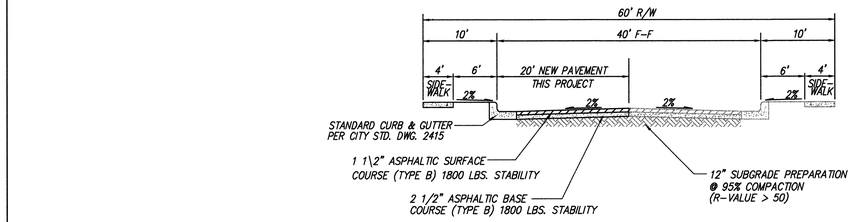
0032LB\EASTRPP1.DWG\12-14-00 NHM

F:\DATA\DWGS\A00\dts\A00321b\Eastrpp1.DWG Thu Dec 14 12:07:48 2000 PLOTTED BY NHM

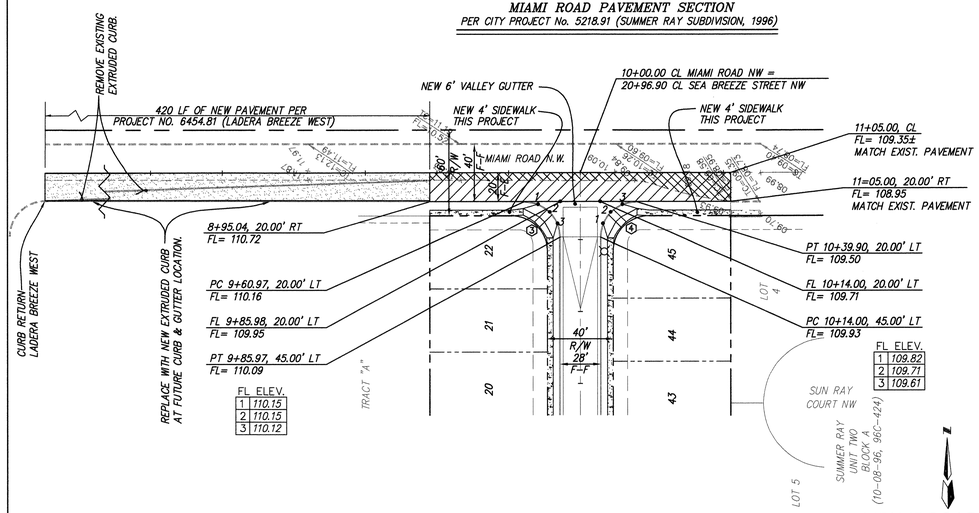


SCANNED BY MESA REPRO

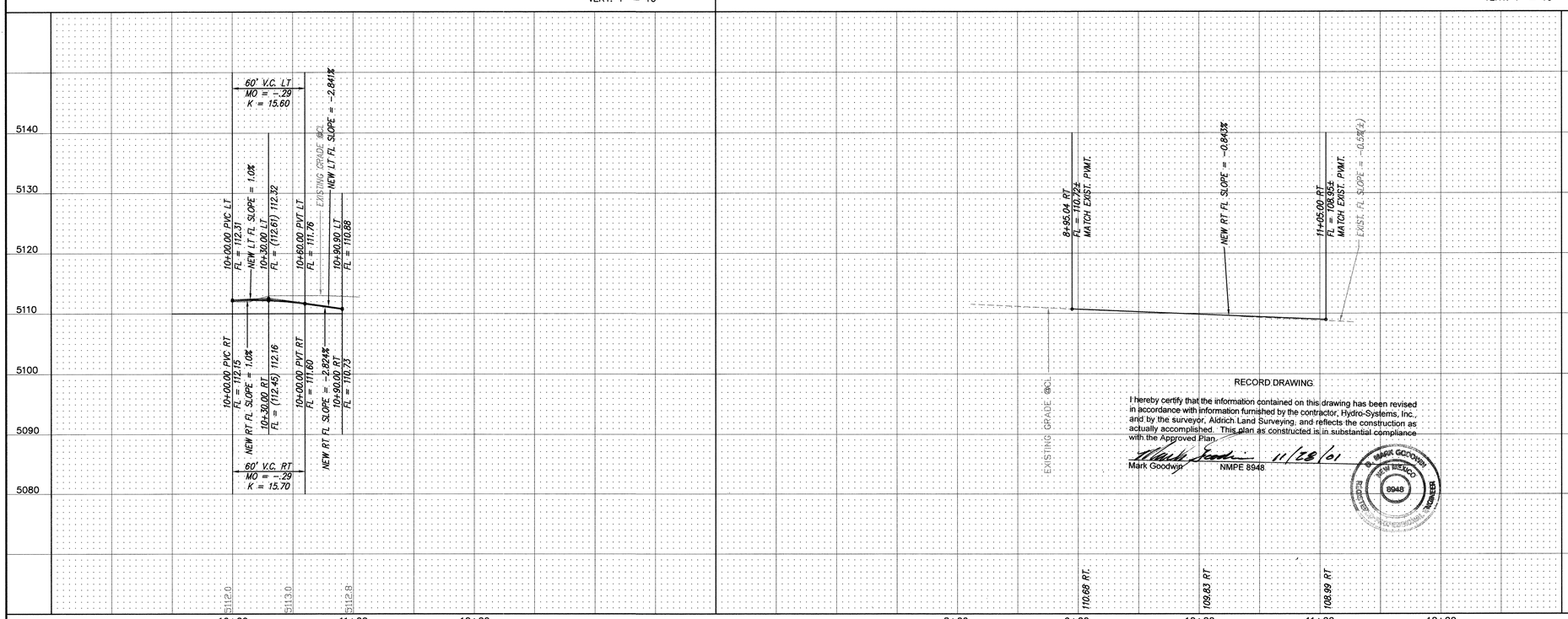
PORLAMAR ROAD, N.W.
STA. 10+00.00 TO STA. 11+04.90
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



MIAMI ROAD PAVEMENT SECTION
PER CITY PROJECT No. 5218.91 (SUMMER RAY SUBDIVISION, 1996)



MIAMI ROAD, N.W.
STA. 6+85.19 TO STA. 11+05.15
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



RECORD DRAWING

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

Mark Goodwin 11/28/01 NMPE 8948.

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. ALL SIDEWALKS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2430.
3. ALL 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420.
5. ALL 4' INTERIOR SIDEWALKS ARE DEFERRED.
4. ALL HANDICAP RAMPS ARE PER DETAIL ON THIS SHEET.
6. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50 FEET.

CURVE DATA – DESCRIBES FACE OF CURB

① Δ = 90°00'00" RT. R = 25.00' L = 39.27' T = 25.00'
② Δ = 90°00'00" RT. R = 25.00' L = 39.27' T = 25.00'
③ Δ = 90°00'19" RT. R = 25.00' L = 39.27' T = 25.00'
④ Δ = 89°59'41" RT. R = 25.00' L = 39.27' T = 25.00'

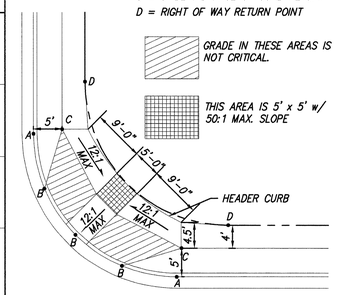
LEGEND

- NEW SIDEWALK
- 50' CROWN TRANSITION PER COA STD. DWG. 2401 THIS PROJECT
- STANDARD CURB & GUTTER
- MOUNTABLE CURB & GUTTER
- RETAINING WALL
- STREET LIGHT
- TRACT/LOT BOUNDARY
- RIGHT OF WAY
- PROPERTY LINE
- HANDICAP RAMPS PER DETAIL THIS SHEET
- REMOVE IF TEMPORARY PAVEMENT. REPLACE WITH MIAMI PAVEMENT SECTION.
- NEW OFFSITE PAVEMENT PER MIAMI ROAD DETAIL.

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

GRADE IN THESE AREAS IS NOT CRITICAL.

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



GENERAL WHEEL CHAIR RAMP DETAIL
N.T.S.

AS BUILT INFORMATION
CONTRACTOR Hydro-Systems
WORK STAKED BY ALS DATE 8/01
INSPECTORS ACCEPTANCE BY MGW DATE 11/01
FIELD VERIFICATION BY ALS DATE 11/01
DRAWINGS CORRECTED BY MGW DATE 11/01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT "2-H10"
X = 362203.06, Y = 1495418.53, C-G = .99967738
N.M. CENTRAL ZONE (NAD 1927)(SLD 1029)
ELEVATION = 5108.81
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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DANE HOELZER NEW MEXICO 11967 REGISTERED PROFESSIONAL ENGINEER
12-14-00

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	DLH	DATE 5/00
DRAWN BY	NHM	DATE 5/00
CHECKED BY	DMG	DATE 5/00

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

TITLE: *LADERA BREEZE EAST SUBDIVISION PAVING IMPROVEMENTS*

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED JAN 20 2001 DESIGN REVIEW COMMITTEE	APPROVED SEP 14 2001 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
6455.81	H-10	6	9

A00032LB\EASTRPP2.DWG\12-14-00 NMH

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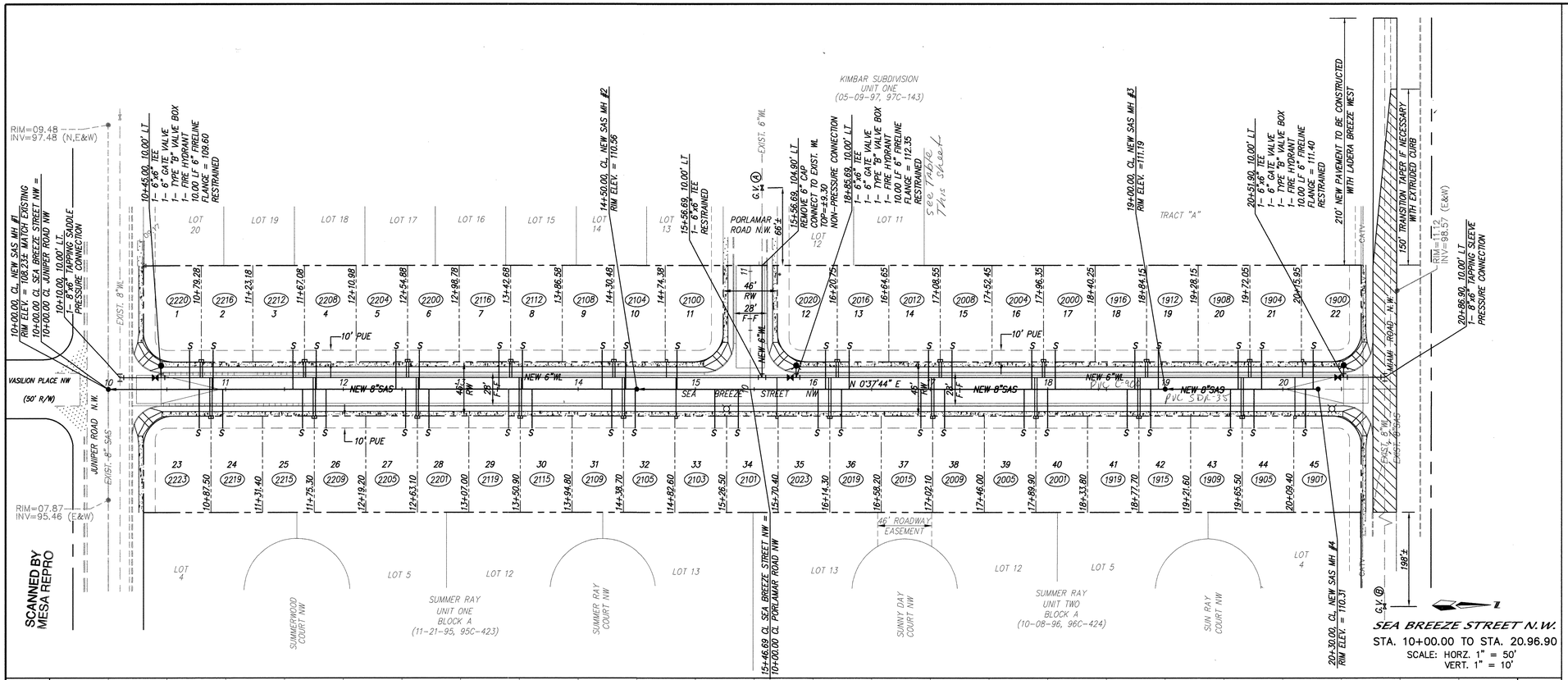

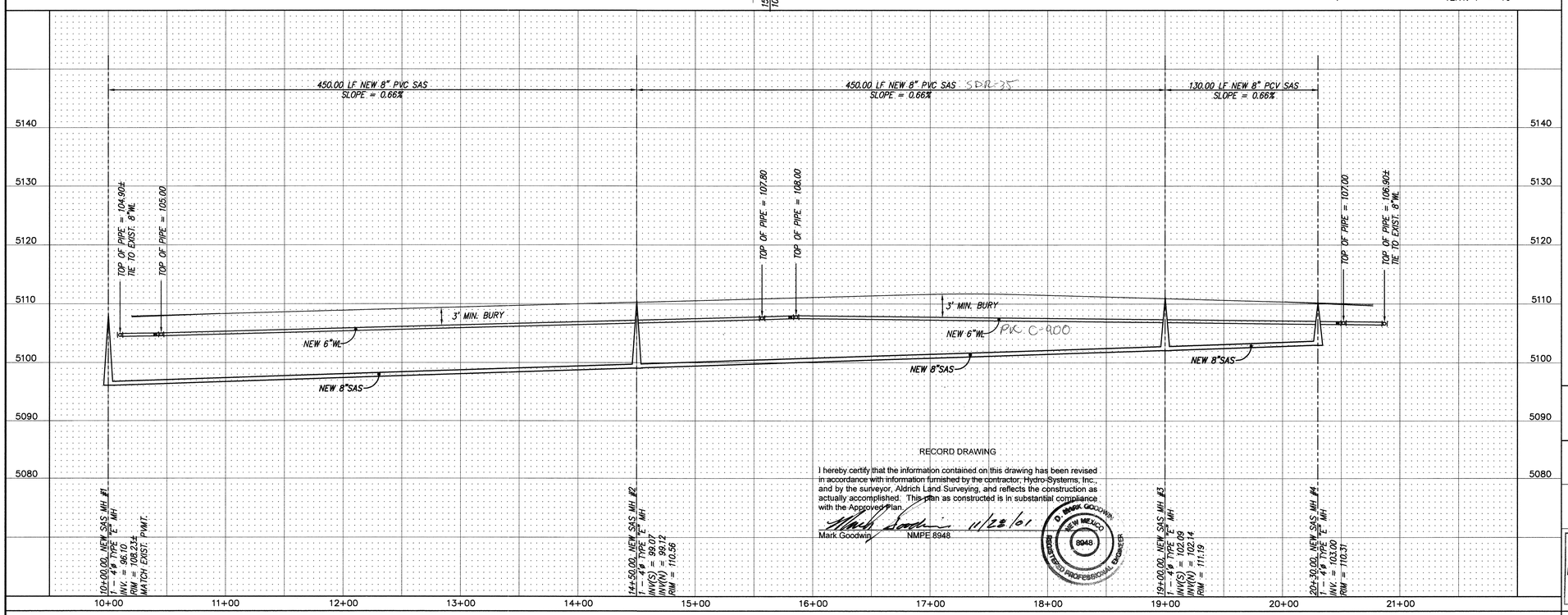

RECORD DRAWING

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11/28/01

Mark Goodwin NMPE 8948

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING

LEGEND

- CENTERLINE OF ROAD
- EXISTING CURB AND GUTTER
- NEW RETAINING WALL
- MOUNTABLE CURB & GUTTER
- STANDARD 8" CURB & GUTTER
- TRACT/LOT BOUNDARY
- RIGHT OF WAY
- SIDEWALK
- PROPERTY LINE
- WATERLINE
- SAS LINE
- SAS MANHOLE
- FLOW LINE
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- (1709) ADDRESSING

SANITARY SEWER SERVICES

LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	10+69.28	5102.18	33.00'
2	10+89.28	5102.29	33.00'
3	11+57.08	5102.66	33.00'
4	11+77.08	5102.77	33.00'
5	12+44.88	5103.15	33.00'
6	12+64.88	5103.26	33.00'
7	13+32.68	5103.63	33.00'
8	13+52.68	5103.74	33.00'
9	14+20.48	5104.11	33.00'
10	14+40.48	5104.22	33.00'
11	14+84.38	5104.46	33.00'
12	16+10.75	5105.16	33.00'
13	16+30.75	5105.27	33.00'
14	16+98.55	5105.64	33.00'
15	17+18.55	5105.72	33.00'
16	17+86.35	5105.55	33.00'
17	18+06.35	5105.44	33.00'
18	18+74.15	5105.07	33.00'
19	18+94.15	5104.96	33.00'
20	19+61.95	5104.58	33.00'
21	19+81.95	5104.47	33.00'
22	20+25.85	5104.21	33.00'
23	10+77.50	5102.19	33.00'
24	10+97.50	5102.34	33.00'
25	11+65.30	5102.71	33.00'
26	11+85.30	5102.82	33.00'
27	12+53.10	5103.19	33.00'
28	12+73.10	5103.30	33.00'
29	13+40.90	5103.67	33.00'
30	13+60.90	5103.79	33.00'
31	14+28.70	5104.16	33.00'
32	14+48.70	5104.27	33.00'
33	15+16.50	5106.64	33.00'
34	15+36.50	5104.75	33.00'
35	16+04.30	5105.12	33.00'
36	16+24.30	5105.23	33.00'
37	16+92.10	5105.61	33.00'
38	17+12.10	5105.70	33.00'
39	17+79.90	5105.58	33.00'
40	17+99.90	5105.47	33.00'
41	18+67.90	5105.10	33.00'
42	18+87.70	5104.99	33.00'
43	19+55.50	5104.62	33.00'
44	19+75.50	5104.51	33.00'
45	20+19.50	5104.21	33.00'

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
8"	22'	9'	4'	2'	60'
10"	–	11'	5'	3'	72'

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

RESTRAINED JOINT LENGTH FOR TEES (FT.)

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

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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AS BUILT INFORMATION

CONTRACTOR	Hydro-Systems		
WORK STAKED BY	ALS	DATE	8/01
INSPECTOR'S ACCEPTANCE BY	MGM	DATE	11/01
FIELD VERIFICATION BY	ALS	DATE	11/01
DRAWINGS CORRECTED BY	MGM	DATE	11/01

MICRO-FILM INFORMATION

RECORDED BY		DATE	
NO.			

City Inspector J.R. Becs

BENCH MARKS

ACS MONUMENT "2-H10"
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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DUANE HOELZER NEW MEXICO 10967 REGISTERED PROFESSIONAL ENGINEER

12-14-00

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	DLH	5/00
DRAWN BY	NHM	5/00
CHECKED BY	DMG	5/00

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LADERA BREEZE EAST SUBDIVISION UTILITY IMPROVEMENTS

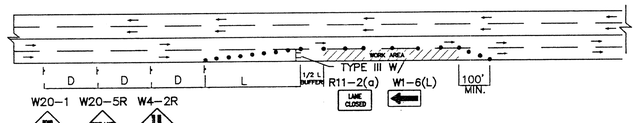
DESIGN REVIEW COMMITTEE: APPROVED JAN 20 2001 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: SEP 14 2001 CITY ENGINEER

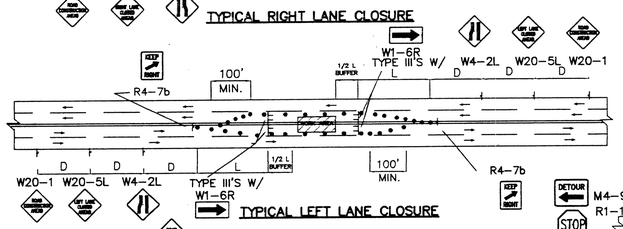
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
6455.81	H-10	7	9

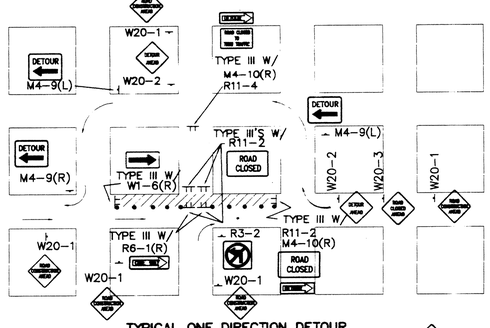
A0032LB\EAST-UT1.DWG\12-14-00 NHM



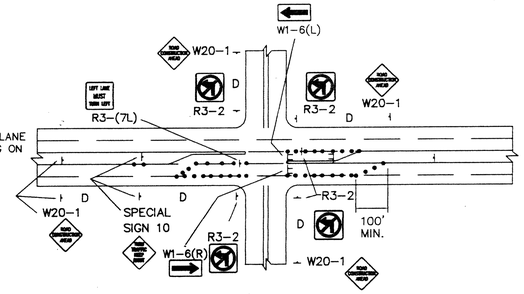
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

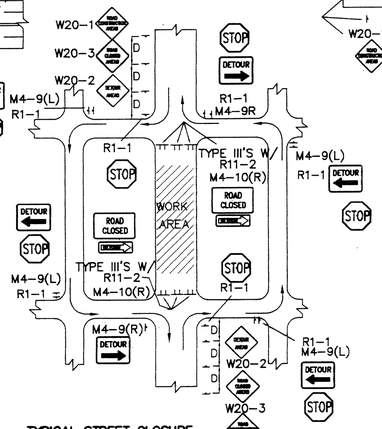


TYPICAL ONE DIRECTION DETOUR



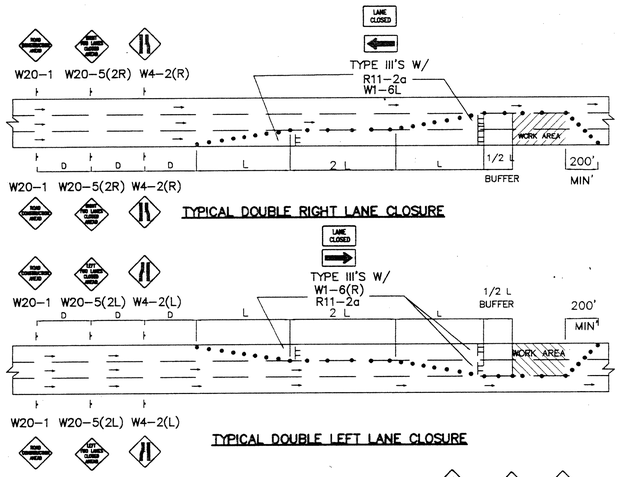
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



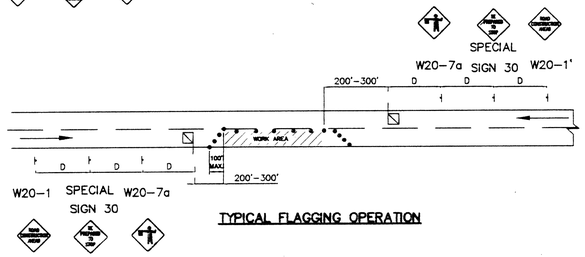
TYPICAL STREET CLOSURE

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

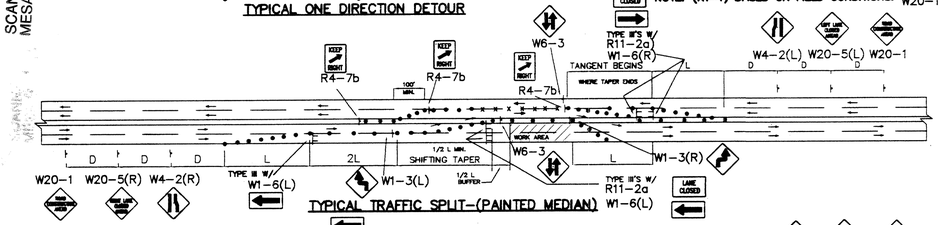


TYPICAL DOUBLE RIGHT LANE CLOSURE

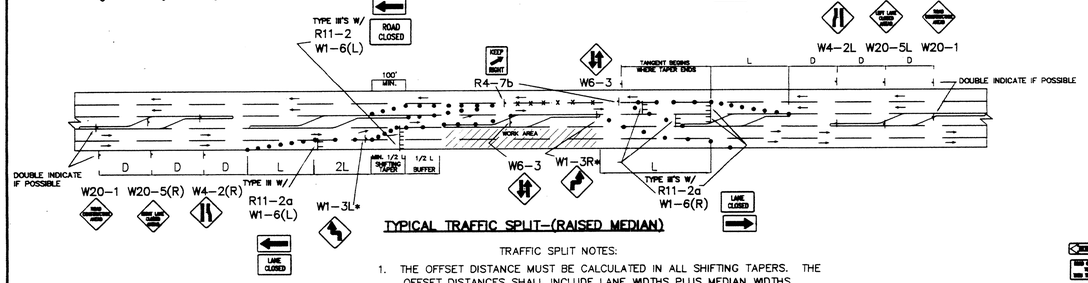
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



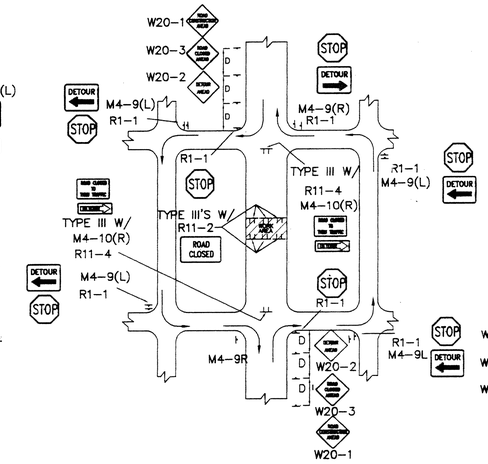
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

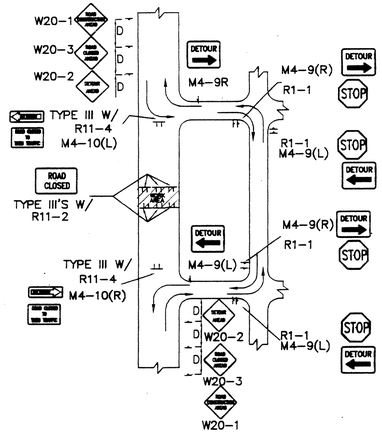
TRAFFIC SPLIT NOTES:

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



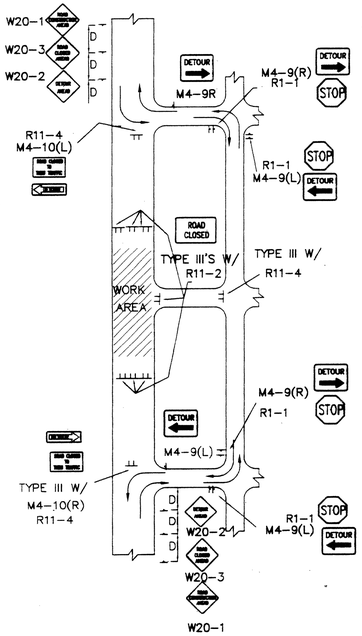
TYPICAL MID-BLOCK CLOSURE

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



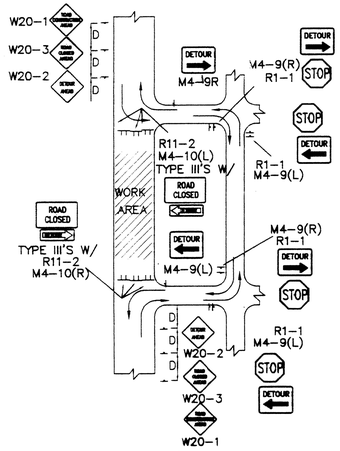
TYPICAL STREET CLOSURE

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



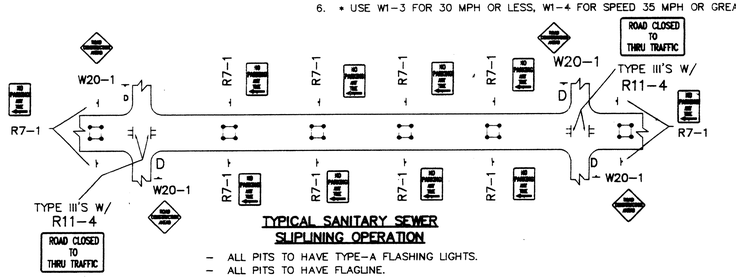
TYPICAL STREET CLOSURE

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



TYPICAL STREET CLOSURE

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



TYPICAL SANITARY SEWER SUPLINING 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. △

SCANNED BY MESA REPRO

CTCSTN02.DWG

AS BUILT INFORMATION

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

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

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

REMARKS

REVISIONS

DESIGN

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

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

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

PROJECT NO.	MAP NO.	SHEET	OF
645581	H-10	8	9

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

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

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

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

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

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

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

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

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

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

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

19. 2 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

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

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

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

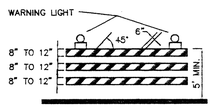
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

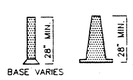
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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

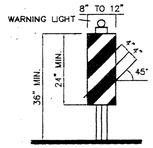
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. 4



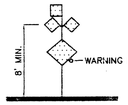
TYPE III BARRICADE



CONES



VERTICAL PANEL

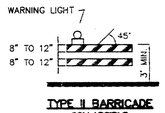


HIGH LEVEL WARNING DEVICE

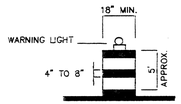
LEGEND

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

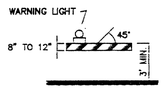
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.



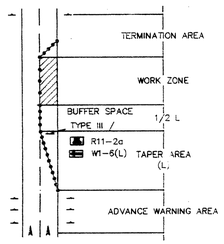
TYPE II BARRICADE
COLLAPSIBLE



BARREL



TYPE I BARRICADE
COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		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	MINIMUM DISTANCE IN FEET FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

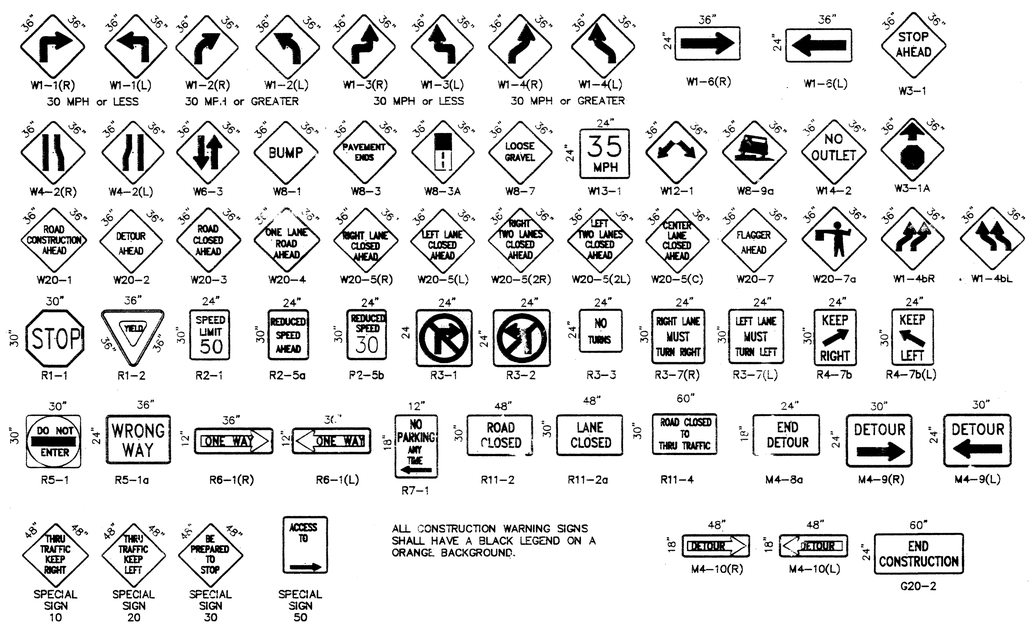
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

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

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

SIGN FACE DETAILS



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

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

BENCH MARKS

SURVEY INFORMATION — FIELD NOTES — NO. — BY — DATE

ENGINEER'S SEAL

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

REVISIONS

DESIGN — DESIGNED BY — DATE; DRAWN BY C.O.A. STANDARDS — DATE; CHECKED BY — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: Ladera Breeze East
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

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

PROJECT NO.	MAP NO.	SHEET	OF
645581	H-10	9	9

SCANNED BY MESA REPRO

CTCSTND1.DWG