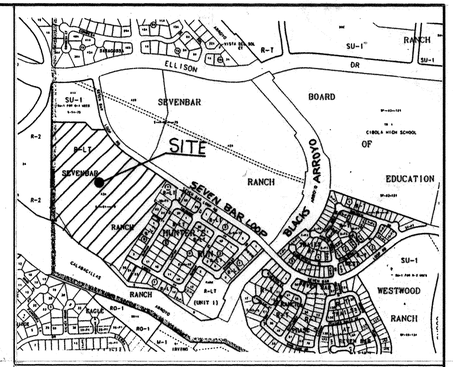
CONSTRUCTION PLANS

FOR

CRYSTAL RIDGE SUBDIVISION UNIT II

ALBUQUERQUE, NEW MEXICO



VICINITY MAP — ZONE ATLAS A-13 & B-13

SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITES.
3. PRIOR TO ANY 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 OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR IN EXISTING OR NEW LOCATION AS INDICATED BY THIS SET.
7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER 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 COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
8. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.
9. WATER AND SEWER FACILITIES SHALL BE CONSTRUCTED PER NMUI SPECIFICATIONS, INSPECTION AND APPROVAL.
10. THE CONTRACTOR SHALL NOTIFY NMUI THREE (3) WORKING DAYS PRIOR TO BEGINNING WATER OR SEWER CONSTRUCTION AND SHALL COORDINATE SAID CONSTRUCTION WITH NMUI.
11. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

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

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

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

LEGEND

CURB AND GUTTER	WATER METER
CONCRETE	CABLE T.V.
ELECTRIC TRANSFORMER	POWER POLE
ELECTRIC PANEL	ANCHOR
SANITARY SEWER MANHOLE	LIGHT POLE
TELEPHONE MANHOLE	TRAFFIC LIGHT
ELECTRIC MANHOLE	CROSSWALK SIGNAL
STORM SEWER MANHOLE	SPRINKLER CONTROL
WATER VALVE	TRAFFIC CONTROL
FIRE HYDRANT	LIGHTING BOX
TELEPHONE BOX	SIGN
SPOT ELEVATION (TC= / FL=)	GRATE

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2-3	PLAT
4	MASTER PAVING PLAN
5-6	PAVING IMPROVEMENTS
7	MASTER UTILITY PLAN
8-9	UTILITY IMPROVEMENTS
10-11	GRADING PLANS
12A-12B	TYPICAL TRAFFIC CONTROL

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 10-7-98

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Franklin's Earthmoving Inc., and by the surveyor, ALS, Inc., and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Mark Goodwin 8/5/98
Mark Goodwin NMPE 8948

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

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

ENGINEERS STAMP & SIGNATURE

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER 3/9/98

APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		4-24-98
TRANSPORTATION		4-7-98
WATER/WASTEWATER		3-23-98
HYDROLOGY		4-7-98
CIP		
CONSTR. MNGMT.		
NMUI		3-12-98
CITY PROJECT NO. 578782		4-15-98

APPROVED FOR CONSTRUCTION

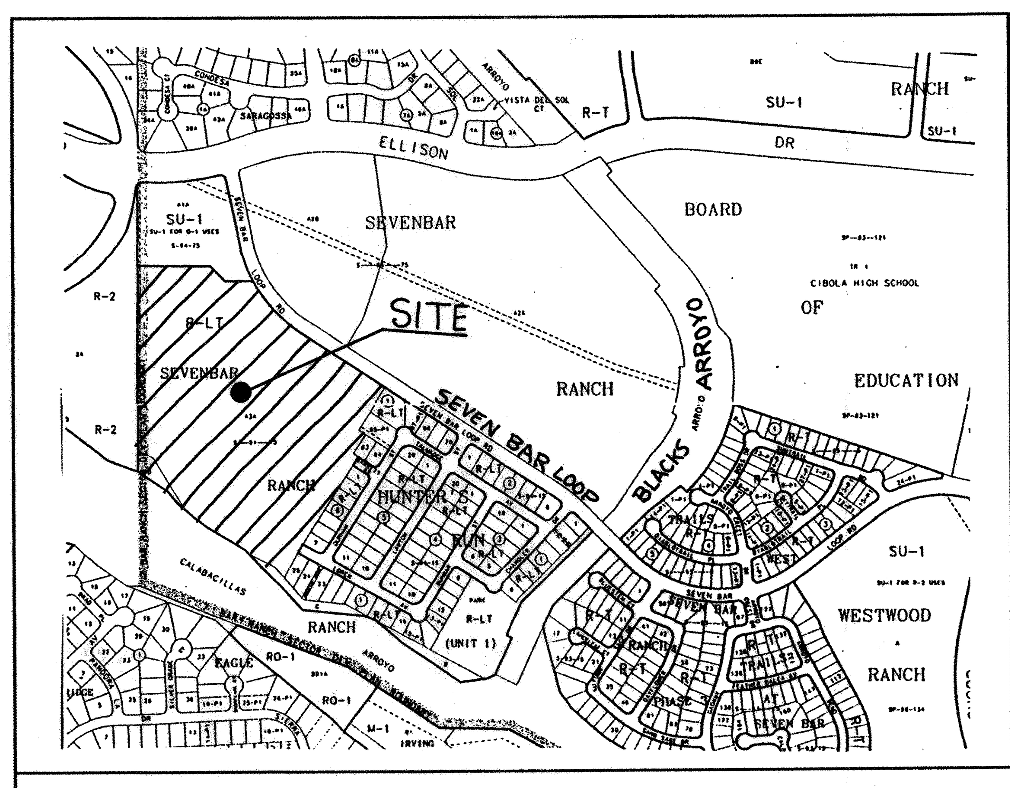
CITY ENGINEER — DATE 4/28/98

SHEET 1 OF 12

DRB CASE NO. 97298

8021CRYS\8021-TTL\03-01-98

C:\DWGS\8021Crys\8021-tl1.dwg Mon Mar 02 14:37:50 1998
HP DesignJet 600 Hewlett-Packard HP-GL/2 devices, ADI 4.3 - for Autodesk by HP



LOCATION MAP

ZONE ATLAS A-13,B-13

SCALE: NONE

SUBDIVISION DATA

PLAT CASE NOS.	DRB. 97-298 S V.
GROSS ACREAGE	7.3425
ZONE ATLAS NO.	A13,B13
NO. OF EXISTING TRACTS/LOTS	1 tract
NO. OF TRACTS/LOTS CREATED	48 LOTS
NO. OF TRACTS/LOTS ELIMINATED	1 tract
MILES OF FULL WIDTH STREETS CREATED	0.2208
AREA DEDICATED TO CITY OF ALBUQUERQUE	1.3075 AC
DATE OF SURVEY	1-13-94
UTILITY CONTROL LOCATION SYSTEM LOG NUMBER:	94011715500322

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 & overhead 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.

[signature]

by: JOHN K. MURTAGH, President
LONGFORD AT CRYSTAL RIDGE

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO } ss
COUNTY OF BERNALILLO }

OFFICIAL SEAL DIANE ALDRICH NOTARY PUBLIC-STATE OF NEW MEXICO My commission expires: 6998

This instrument was acknowledged before me on ____________

NOTARY PUBLIC — 6 9 98 MY COMMISSION EXPIRES

LEGAL DESCRIPTION (SEE SHEET 2)

NOTES (SEE SHEET 2)

PURPOSE OF PLAT

1. SUBDIVIDE THE EXISTING TRACT A-3A-2, CRYSTAL RIDGE SUBDIVISION, INTO 48 RESIDENTIAL LOTS .

2. TO DEDICATE RIGHT-OF-WAY AND GRANT EASEMENTS AS SHOWN

N

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 (Effective November 1, 1989 and revisions effective December 25, 1991 and February 2, 1994), and is true and correct to the best of my knowledge and belief."

[signature] 02-24-98

TIMOTHY ALDRICH, P.S. No. 7719 — DATE

PLAT OF
CRYSTAL RIDGE
SUBDIVISION
UNIT 2
WITHIN THE
TOWN OF ALAMEDA GRANT
PROJECTED SECTIONS 6 AND 7
T 11 N, R 3 E, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
FEBRUARY 1998

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 Design and Development, C.I.P., City of Albuquerque, N.M. — Date

[signature] — 022598
City Surveyor, City of Albuquerque, N.M. — Date

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

New Mexico Utilities, Inc. — Date
[signature] — 2-25-98
PNM GAS — Date
Catherine Schneider — 02-25-98
U.S. West Telecommunications — Date
[signature] — 2-28-98
PNM ELECTRIC — Date
Violet Watson — 2-28-98
Jones Intercable, Inc. — Date

dwg:	7055two1	Drawn:	BJG	Checked:	ALS	Sheet 1 of 3
Scale:	1"=50'	Date:	2-3-98	Job:	97055	

LEGAL DESCRIPTION

A tract of land situate, within the Town of Alameda Grant, projected Sections 6 and 7, Township 11 North, Range 3 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico being all of TRACT A-3A-2, CRYSTAL RIDGE SUBDIVISION as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on September 30, 1997 in Volume 97C, Folio 298 and being more particularly described as follows:

BEGINNING at the northwest corner of the herein described tract, said point being common with the southwest corner of TRACT A-3A-3, CRYSTAL RIDGE SUBDIVISION as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on September 30, 1997 in Volume 97C, Folio 298, from whence the National Geodetic Survey Monument "BLACK 2" bears N26°07'35" W, 859.94 feet;

THENCE S 89°42'04" E, 271.62 feet along a line common with the south line of said TRACT A-3A-3 to the northeast corner, said point being common with the northwest corner of CRYSTAL RIDGE, UNIT 1 as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, Mexico on December 18, 1997 in Volume 97C, Folio 356;

THENCE S 00°17'56" W, 115.06 feet along a line common with the westerly line of said CRYSTAL RIDGE, UNIT 1 to a point on curve;

THENCE continuing 4.12 feet along a curve to the left, whose radius is 143.00 feet through a central angle of 01°39'05" and whose chord bears N 88°52'31" W, 4.12 feet to a point on tangent;

THENCE continuing S 00°17'56" W, 46.00 feet to a point on curve;

THENCE continuing 21.35 feet along a curve to the right, whose radius is 97.00 feet through a central angle of 12°36'32" and whose chord bears S 83°23'48" E, 21.30 feet to a point on tangent;

THENCE continuing S 11°44'17" W, 63.93 feet to a point;

THENCE continuing S 00°17'56" W, 90.00 feet to a point;

THENCE continuing N 89°42'04" W, 15.00 feet to a point;

THENCE continuing S 00°17'56" W, 27.58 feet to a point;

THENCE continuing S 31°08'55" E, 109.95 feet to a point on curve;

THENCE continuing 35.29 feet along a curve to the left, whose radius is 143.00 feet through a central angle of 14°08'17" and whose chord bears S 65°55'14" W, 35.20 feet to a point on tangent;

THENCE continuing S 31°08'55" E, 152.16 feet to a point;

THENCE continuing N 58°51'05" E, 29.93 feet to a point;

THENCE continuing S 31°08'55" E, 55.94 feet to a point;

THENCE continuing S 63°05'53" E, 365.51 feet to a point;

THENCE continuing S 32°42'13" W, 93.96 feet to a point of curvature;

THENCE continuing 37.72 feet along a curve to the right, whose radius is 25.00 feet through a central angle of 86°26'39" and whose chord bears S 75°55'33" W, 34.24 feet to a point of tangency;

THENCE continuing N 60°51'08" W, 4.00 feet to a point;

THENCE continuing S 29°08'52" W, 46.00 feet to a point on curve;

THENCE continuing 20.69 feet along a curve to the right, whose radius is 127.00 feet through a central angle of 09°20'08" and whose chord bears S 56°11'03" E, 20.67 feet to a point of reverse curvature;

THENCE continuing 28.51 feet along a curve to the left, whose radius is 175.00 feet through a central angle of 09°20'08" and whose chord bears S 56°11'03" E, 28.48 feet to a point of tangency;

THENCE continuing S 60°51'08" E, 129.16 feet to a point, said point being common with the northwest corner of LOT 25, BLOCK 1, UNIT 1, HUNTERS RUN SUBDIVISION as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on October 19, 1994 in Volume 94C, Folio 353;

THENCE S 29°08'52" W, 142.29 feet along a line common with the westerly line of said LOT 25 to the south-east corner, said point being on the northerly right-of-way line of the Arroyo De Las Calabacillas as the same is shown and designated on said RIGHTS-OF-WAY MAP filed for record in the office of the County Clerk of Bernalillo County, New Mexico on June 8, 1981 in Volume C18, Folio 96;

THENCE along said northerly right-of-way line N 41°11'54" W, 67.35 feet to a point;

THENCE continuing N 62°11'51" W, 149.84 feet to a point;

THENCE continuing N 44°09'16" W, 28.27 feet to a point;

THENCE continuing N 58°45'33" W, 210.67 feet to a point;

THENCE continuing N 50°40'47" W, 142.31 feet to a point;

THENCE continuing N 31°08'55" W, 299.80 feet to a point;

THENCE continuing N 65°32'09" W, 86.00 feet to a point, said point being on the east line of TRACT 2-A, EAGLE RANCH 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 11, 1985 in Volume C28, Folio 123;

THENCE leaving said northerly right-of-way line N 00°17'56" E, 489.08 feet along a line common with said east line of said TRACT 2-A to the point of beginning and containing 7.3425 acres more or less.

NOTES

1. Bearings are grid based on the New Mexico State Plane Coordinate System (Central Zone).

2. Distances are ground distances.

3. Bearings and distances in parenthesis are record.

4. Basis of boundary are the following plats of record entitled:

"TRACTS A-1 THRU A-3, SEVEN-BAR RANCH" (10-17-89, C40-21),
"TRACTS N-2A-1 AND N-2A-2, SEVEN-BAR RANCH" (10-17-89, C40-22),
"TRACTS: 2-A, 3-A, AA-1, CANM-1, CANM-2 AND CANM-3, EAGLE RANCH" (10-11-85, C28-123),
"SUMMARY PLAT, SEVEN-BAR RANCH" (6-8-81, C18-96),
"BULK LAND PLAT OF CRYSTAL RIDGE SUBDIVISION" (09-30-97, 97C,298)
"CRYSTAL RIDGE SUBDIVISION, UNIT 1" (12-18-97, 97C-356)

all being records of Bernalillo County, New Mexico.

5. Field Survey performed January 13, 1994.

6. This subdivision is within the New Mexico Utilities, Inc. franchise area. Water and sanitary sewer capabilities are based on New Mexico Utilities, Inc. facilities and not the City of Albuquerque's.

PLAT OF
CRYSTAL RIDGE
SUBDIVISION
UNIT 2
WITHIN THE
TOWN OF ALAMEDA GRANT
PROJECTED SECTIONS 6 AND 7
T 11 N, R 3 E, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
FEBRUARY 1998

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.

5. The New Mexico Utilities, Inc., for the installation, maintenance and service of water and sanitary sewer lines and any other equipment, fixtures, structures and related facilities reasonably necessary to provide water and sewer services.

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.

[signature] 7719 02-24-98

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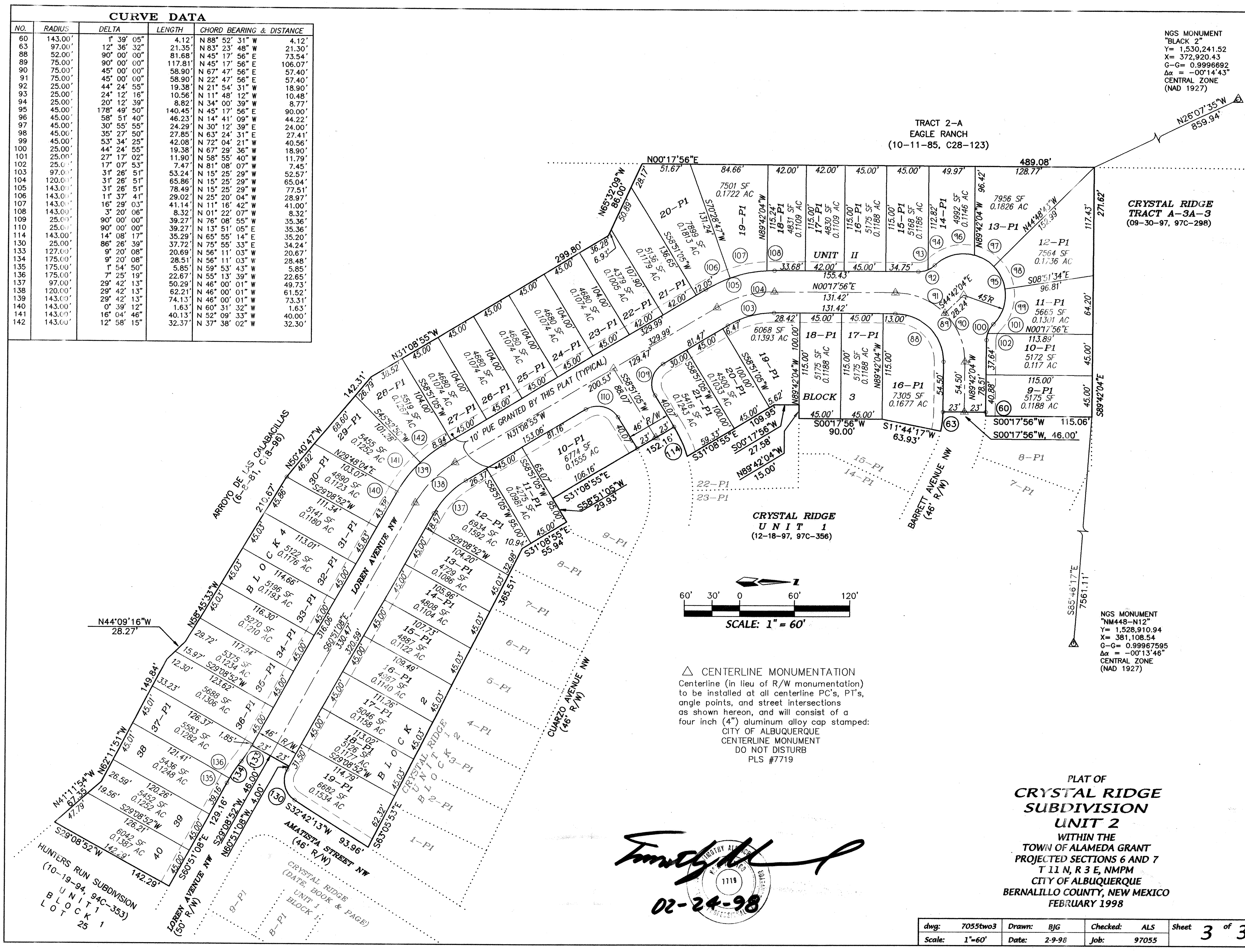

CURVE DATA

NO.	RADIUS	DELTA	LENGTH	CHORD BEARING & DISTANCE	
60	143.00'	1° 39' 05"	4.12'	N 88° 52' 31" W	4.12'
63	97.00'	12° 36' 32"	21.35'	N 83° 23' 48" W	21.30'
88	52.00'	90° 00' 00"	81.68'	N 45° 17' 56" E	73.54'
89	75.00'	90° 00' 00"	117.81'	N 45° 17' 56" E	106.07'
90	75.00'	45° 00' 00"	58.90'	N 67° 47' 56" E	57.40'
91	75.00'	45° 00' 00"	58.90'	N 22° 47' 56" E	57.40'
92	25.00'	44° 24' 55"	19.38'	N 21° 54' 31" W	18.90'
93	25.00'	24° 12' 16"	10.56'	N 11° 48' 12" W	10.48'
94	25.00'	20° 12' 39"	8.82'	N 34° 00' 39" W	8.77'
95	45.00'	178° 49' 50"	140.45'	N 45° 17' 56" E	90.00'
96	45.00'	58° 51' 40"	46.23'	N 14° 41' 09" W	44.22'
97	45.00'	30° 55' 55"	24.29'	N 30° 12' 39" E	24.00'
98	45.00'	35° 27' 50"	27.85'	N 63° 24' 31" E	27.41'
99	45.00'	53° 34' 25"	42.08'	N 72° 04' 21" W	40.56'
100	25.00'	44° 24' 55"	19.38'	N 67° 29' 36" W	18.90'
101	25.00'	27° 17' 02"	11.90'	N 58° 55' 40" W	11.79'
102	25.00'	17° 07' 53"	7.47'	N 81° 08' 07" W	7.45'
103	97.00'	31° 26' 51"	53.24'	N 15° 25' 29" W	52.57'
104	120.00'	31° 26' 51"	65.86'	N 15° 25' 29" W	65.04'
105	143.00'	31° 26' 51"	78.49'	N 15° 25' 29" W	77.51'
106	143.00'	11° 37' 41"	29.02'	N 25° 20' 04" W	28.97'
107	143.00'	16° 29' 03"	41.14'	N 11° 16' 42" W	41.00'
108	143.00'	3° 20' 06"	8.32'	N 01° 22' 07" W	8.32'
109	25.00'	90° 00' 00"	39.27'	N 76° 08' 55" W	35.36'
110	25.00'	90° 00' 00"	39.27'	N 13° 51' 05" E	35.36'
114	143.00'	14° 08' 17"	35.29'	N 65° 55' 14" E	35.20'
130	25.00'	86° 26' 39"	37.72'	N 75° 55' 33" E	34.24'
133	127.00'	9° 20' 08"	20.69'	N 56° 11' 03" W	20.67'
134	175.00'	9° 20' 08"	28.51'	N 56° 11' 03" W	28.48'
135	175.00'	1° 54' 50"	5.85'	N 59° 53' 43" W	5.85'
136	175.00'	7° 25' 19"	22.67'	N 55° 13' 39" W	22.65'
137	97.00'	29° 42' 13"	50.29'	N 46° 00' 01" W	49.73'
138	120.00'	29° 42' 13"	62.21'	N 46° 00' 01" W	61.52'
139	143.00'	29° 42' 13"	74.13'	N 46° 00' 01" W	73.31'
140	143.00'	0° 39' 12"	1.63'	N 60° 31' 32" W	1.63'
141	143.00'	16° 04' 46"	40.13'	N 52° 09' 33" W	40.00'
142	143.00'	12° 58' 15"	32.37'	N 37° 38' 02" W	32.30'

△ CENTERLINE MONUMENTATION
Centerline (in lieu of R/W monumentation) 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

02-24-98

PLAT OF
CRYSTAL RIDGE SUBDIVISION UNIT 2
WITHIN THE
TOWN OF ALAMEDA GRANT
PROJECTED SECTIONS 6 AND 7
T 11 N, R 3 E, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
FEBRUARY 1998

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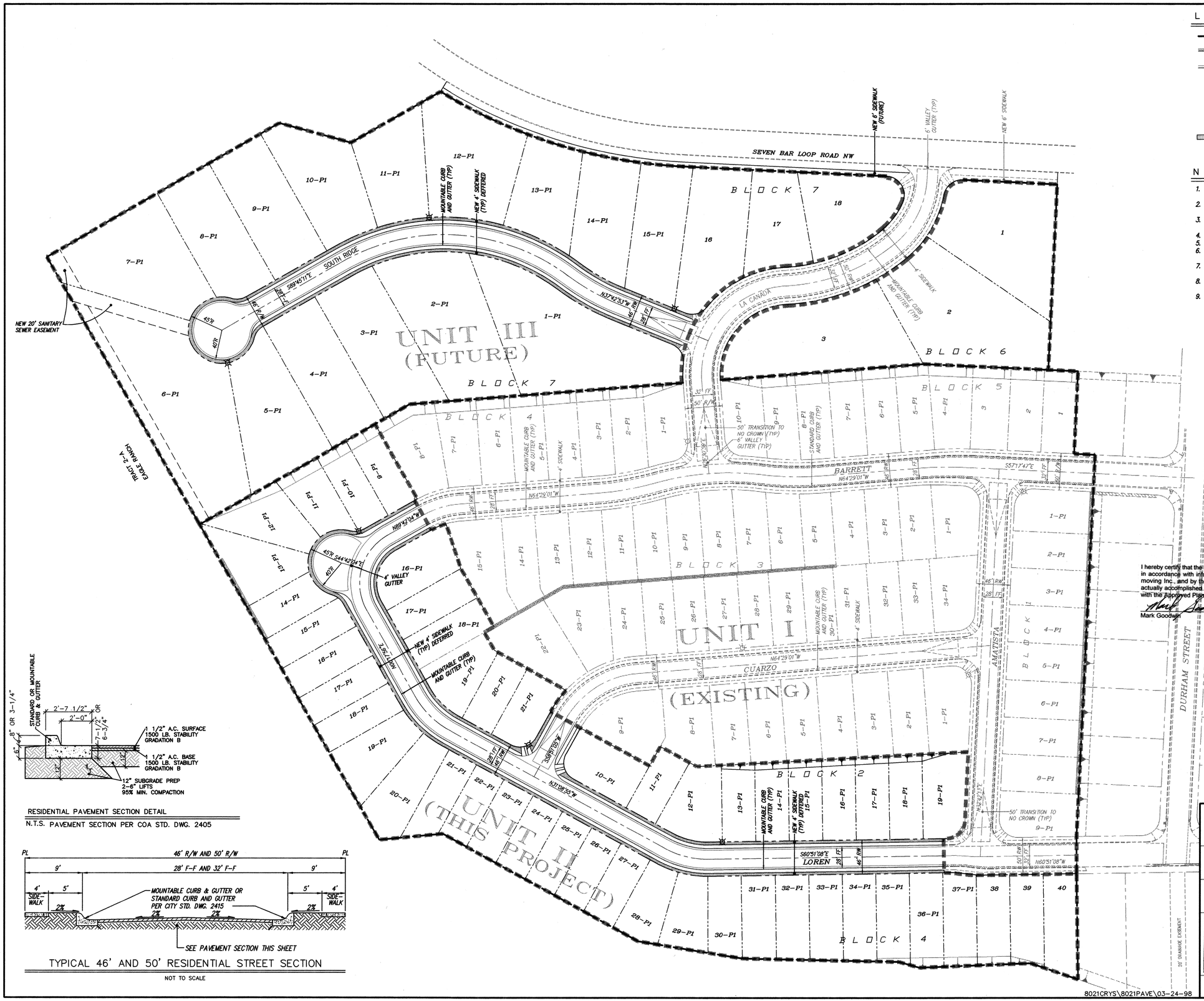


LEGEND

- PROPERTY LINE
- NEW 8" STANDARD CURB
- NEW MOUNTABLE CURB
- NEW WHEELCHAIR RAMP PER COA STD DWG 2441 CASE II
- 50' CROWN TRANSITION (TYP)
- NEW STREET LIGHT
- NEW DEFERRED SIDEWALK

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' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421.
4. ALL VALLEY GUTTERS ARE TO HAVE 3/4" INVERT.
5. ALL 4' INTERIOR SIDEWALKS ARE DEFERRED.
6. ALL HANDICAP RAMPS TO BE CASE 2 PER CITY OF ALBUQUERQUE STANDARD DRAWING 2441.
7. TRANSITION FROM MOUNTABLE TO STANDARD CURB SHALL BE PER CITY OF ALBUQUERQUE STANDARD DRAWING 2418.
8. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50'.
9. ALL STANDARD CURB AND GUTTER SHALL BE 8" PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415.

RESIDENTIAL PAVEMENT SECTION DETAIL

N.T.S. PAVEMENT SECTION PER COA STD. DWG. 2405

TYPICAL 46' AND 50' RESIDENTIAL STREET SECTION

NOT TO SCALE

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Franklin's Earth-moving Inc., and by the surveyor, ALS, Inc., and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Mark Goodwin 8/5/98 NMPE 8948

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

AS BUILT INFORMATION

CONTRACTOR	Franklin's	DATE 6/98
WORK STAKED BY	ALS	DATE 8/98
INSPECTOR'S CERTIFICATE BY	MGM	DATE 8/98
FIELD VERIFICATION BY	ALS	DATE 8/98
DRAWINGS CORRECTED BY	MGM	DATE 8/98

MICRO-FILM INFORMATION

RECORDED BY:	DATE
NO.	

BENCH MARKS

STATION MARK IS A STANDARD NGS/C BRASS TABLET, STAMPED "NM448-N12", SET IN TOP OF A CONCRETE TABLET, PROJECTING 0.3 FT. ABOVE GROUND.

TO REACH THE STATION FROM THE INTERSECTION OF STATE RD. 448 AND CENTRAL AVE., GO NORTH ON STATE RD 448, 9.30 MILES TO MOUNTAIN BELL TELE. SUB-STATION AND STATION ON LEFT (WEST).

X=391,108.54
Y=1,528,910.94
Z=5023.411

SURVEY INFORMATION

FIELD NOTES

NO:	BY	DATE

ENGINEER'S SEAL

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER 8/5/98

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY	DMG	DATE 02/98
DRAWN BY	WLV	DATE 02/98
CHECKED BY	DMG	DATE

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: CRYSTAL RIDGE SUBDIVISION – UNIT II
MASTER PAVING PLAN

DESIGN REVIEW COMMITTEE: APPROVED APR 24 1998 DESIGN REVIEW COMMITTEE

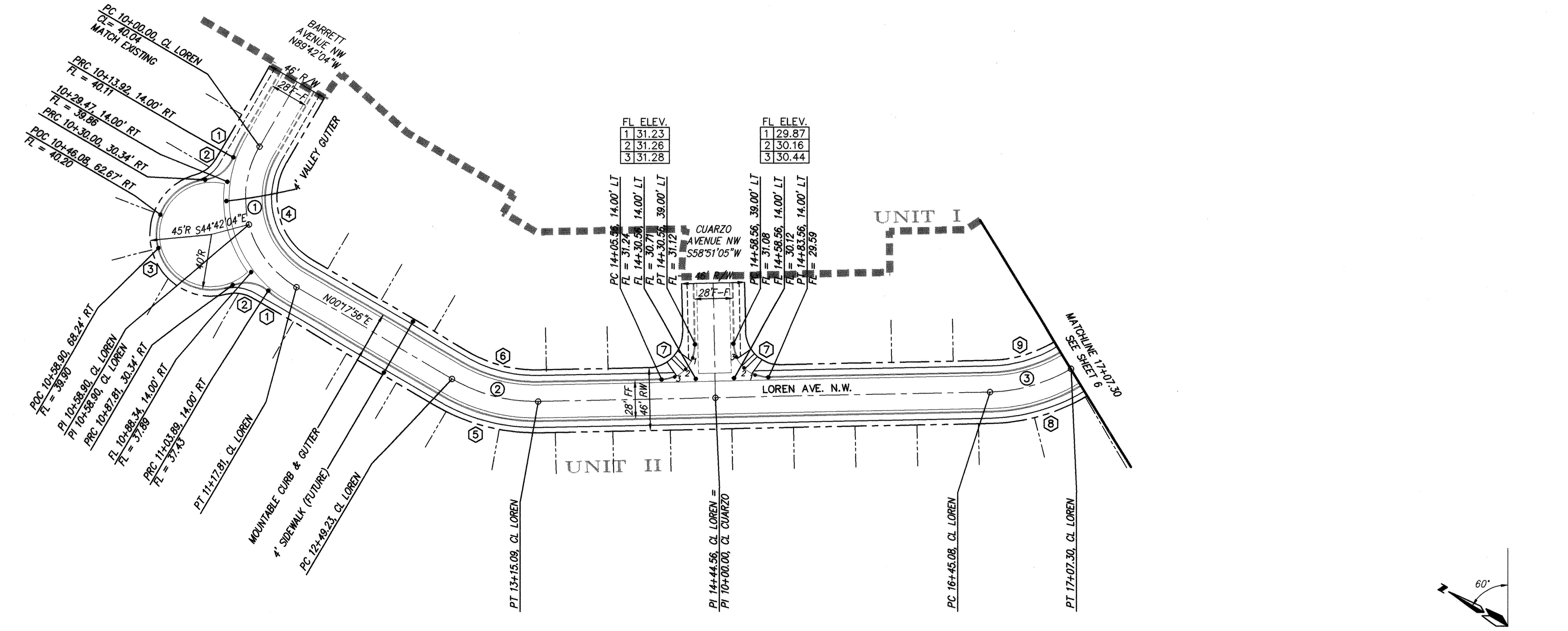
CITY ENGINEER APPROVAL

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
578782	A13 & B13	4	11

8021CRYS\8021PAVE\03-24-98

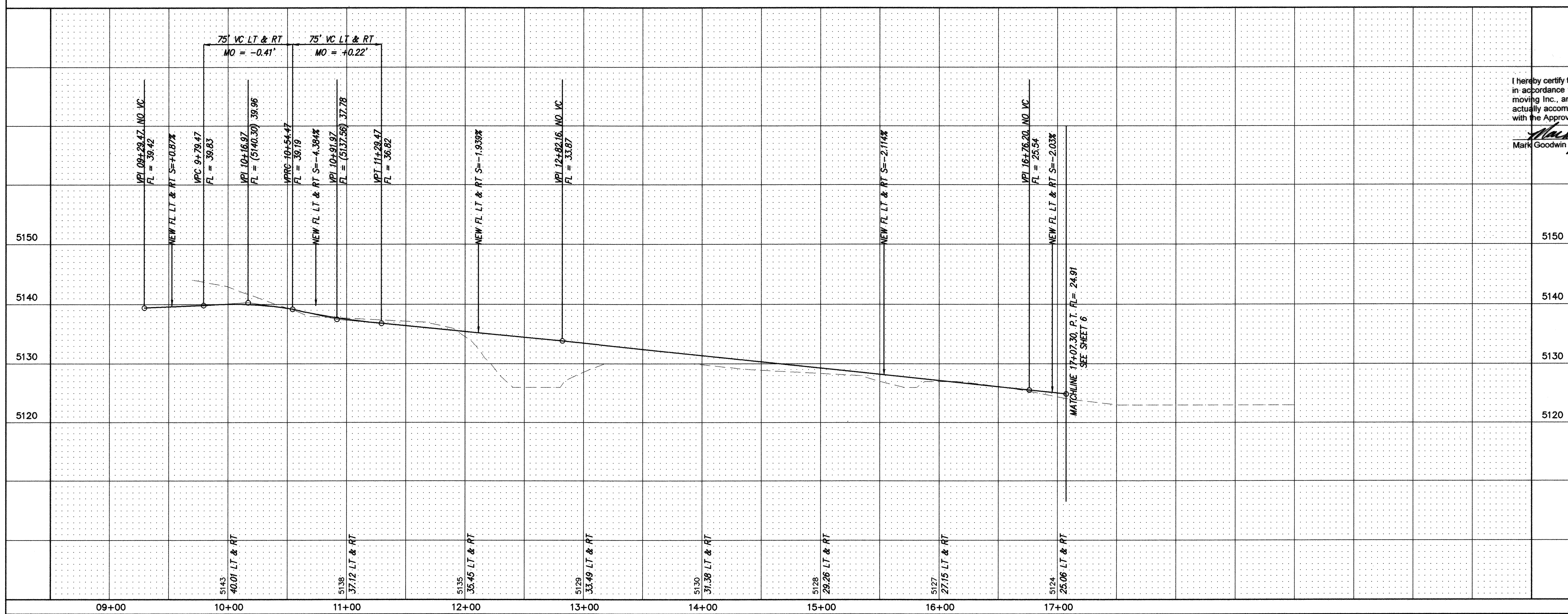
C:\DWGS\8021crys\8021pave.dwg Tue Mar 24 11:37:29 1998
HP DesignJet 600 Hewlett-Packard HP-GL/2 devices. ADI 4.3 - for Autodesk by HP



FL ELEV.	
1	31.23
2	31.26
3	31.28

FL ELEV.	
1	29.87
2	30.16
3	30.44

LOREN AVENUE NW
STA. 10+00.00 TO STA. PT 17+07.30
HOR. 1" = 50'
VER. 1" = 10'



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALLEY GUTTERS ARE 6' UNLESS SPECIFIED OTHERWISE.
3. STANDARD TO MOUNTABLE CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2418.

CURVE DATA – DESCRIBES FACE OF CURB

Curve	Δ	R	L	T
1	10°37'54"	89.00'	16.51'	8.28'
2	63°42'51"	25.00'	27.80'	15.54'
3	196°09'55"	40.00'	136.95'	N/A
4	90°00'00"	61.00'	95.82'	61.00'
5	31°26'51"	134.00'	73.55'	37.73'
6	31°26'51"	106.00'	58.18'	29.84'
7	90°00'00"	25.00'	39.27'	25.00'
8	29°42'33"	134.00'	69.48'	35.54'
9	29°43'33"	106.00'	54.99'	28.13'

CURVE DATA – DESCRIBES CENTERLINE

Curve	Δ	R	L	T
1	90°00'00'	75.00'	117.81'	75.00'
2	31°26'51"	120.00'	65.86'	33.78'
3	29°42'33"	120.00'	62.22'	31.83'

AS BUILT INFORMATION
CONTRACTOR Franklins
WORK STAKED BY ALS DATE 4/98
INSPECTOR'S ACCEPTANCE BY MGA DATE 3/98
FIELD VERIFICATION BY ALS DATE 3/98
DRAWINGS CORRECTED BY MGA DATE 3/98

MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
STATION MARK IS A STANDARD NMSHC BRASS TABLET, STAMPED "NM448-N12", SET IN TOP OF A CONCRETE TABLET, PROJECTING 0.3 FT. ABOVE GROUND.
TO REACH THE STATION FROM THE INTERSECTION OF STATE RD. 448 AND CENTRAL AVE., GO NORTH ON STATE RD. 448, 9.30 MILES TO MOUNTAIN BELL TELE. SUB-STATION AND STATION ON LEFT (WEST).
X=381,108.54
Y=1,528,910.94
Z=5023.411

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Franklin's Earthmoving Inc., and by the surveyor, ALS, Inc., and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Mark Goodwin 3/5/98
NMPE 8948

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

REVISIONS
NO. DATE REMARKS BY

DESIGN
DESIGNED BY DMG DATE 02/98
DRAWN BY WLV DATE 02/98
CHECKED BY DMG DATE 02/98

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

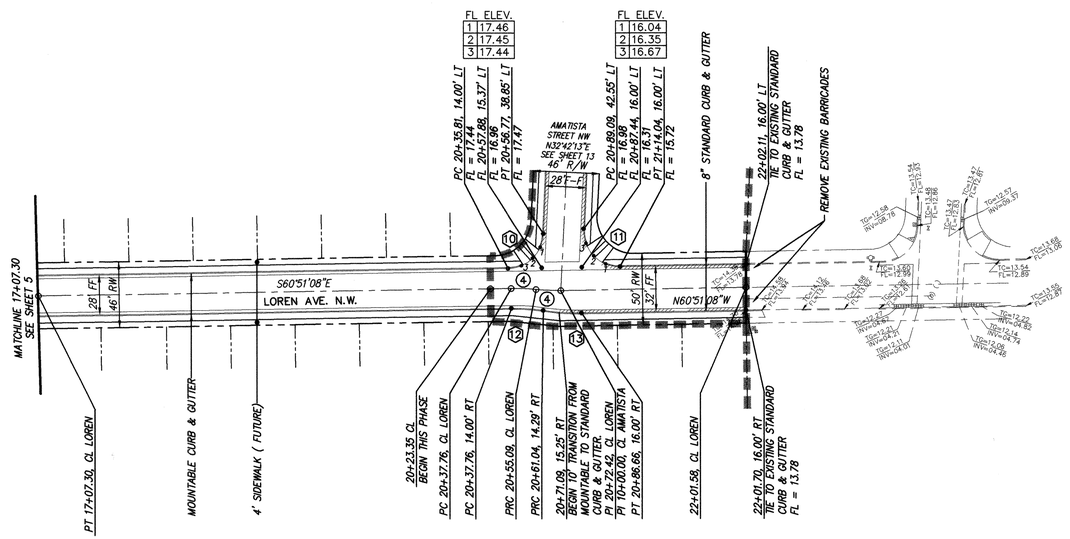
TITLE: CRYSTAL RIDGE – UNIT II
PAVING IMPROVEMENTS
LOREN AVENUE NW

DESIGN REVIEW COMMITTEE — APPROVED APR 24 1998 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL
LAST DESIGN UPDATE MO./DAY/YR. MO./DAY/YR.

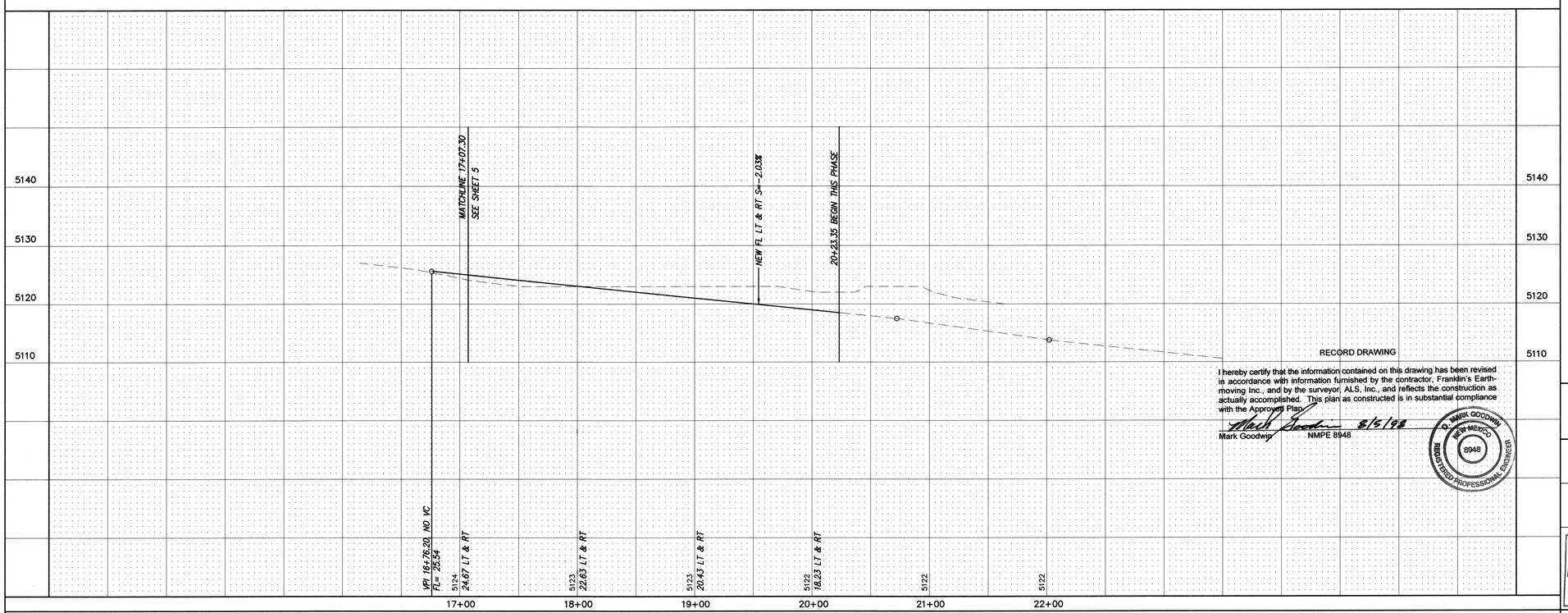
CITY PROJECT NO. 578782
ZONE MAP NO. A-13 & B-13
SHEET 5 OF 11

8021CRYS\8021PP-1\03-24-98

C:\DWGS\8021crys\8021pp-1.dwg Tue Mar 24 11:48:44 1998
HP DesignJet 600 Hewlett-Packard HP-GL/2 devices, ADI 4.3 - for Autodesk by HP



LOREN AVENUE NW
STA. PC 17+07.30 TO STA. 22+02.11
HOR. 1" = 50'
VER. 1" = 10'



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Mark Goodwin 8/5/98
Mark Goodwin NMPE 8948

MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

8021CRYS\8021PP-2\03-24-98

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALLEY GUTTER ARE 6" UNLESS SPECIFIED OTHERWISE.
3. STANDARD TO MOUNTABLE CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2418.

CURVE DATA – DESCRIBES FACE OF CURB

(8) Δ = 29°42'33"	(9) Δ = 29°43'33"	(10) Δ = 86°26'39"
R = 134.00'	R = 106.00'	R = 25.00'
L = 39.48'	L = 54.99'	L = 37.72'
T = 35.54'	T = 28.13'	T = 23.49'
(11) Δ = 93°33'21"	(12) Δ = 09°22'00"	(13) Δ = 09°22'00"
R = 25.00'	R = 136.00'	R = 164.00'
L = 40.82'	L = 22.23'	L = 26.81'
T = NA	T = 11.14'	T = 13.44'

CURVE DATA – DESCRIBES CENTERLINE

(3) Δ = 29°42'33"	(4) Δ = 06°37'11"
R = 120.00'	R = 150.00'
L = 62.22'	L = 17.33'
T = 31.83'	T = 8.67'

AS BUILT INFORMATION

CONTRACTOR	Franklin's	DATE 8/5/98
WORK STAKED BY	ALS	DATE 8/5/98
INSPECTOR ACCEPTANCE BY	MGA	DATE 8/5/98
VERIFICATION BY	ALS	DATE 8/5/98
DRAWINGS CORRECTED BY	MGA	DATE 8/5/98
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

STATION MARK IS A STANDARD NMSHC BRASS TABLET, STAMPED "NM448-H12", SET IN TOP OF A CONCRETE TABLET, PROJECTING 0.3 FT. ABOVE GROUND.
TO REACH THE STATION FROM THE INTERSECTION OF STATE RD. 448 AND CENTRAL AVE., GO NORTH ON STATE RD 448, 9.30 MILES TO MOUNTAIN BELL TELE. SUB-STATION AND STATION ON LEFT (WEST).
X=391,108.54
Y=1,528,910.94
Z=5023.411

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	DMG	02/98
DRAWN BY	WLV	02/98
CHECKED BY	DMG	02/98

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: CRYSTAL RIDGE – UNIT II
PAVING IMPROVEMENTS
LOREN AVENUE NW

DESIGN REVIEW COMMITTEE: APPROVED APR 24 1998 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
578782	A-13 & B-13	6	11

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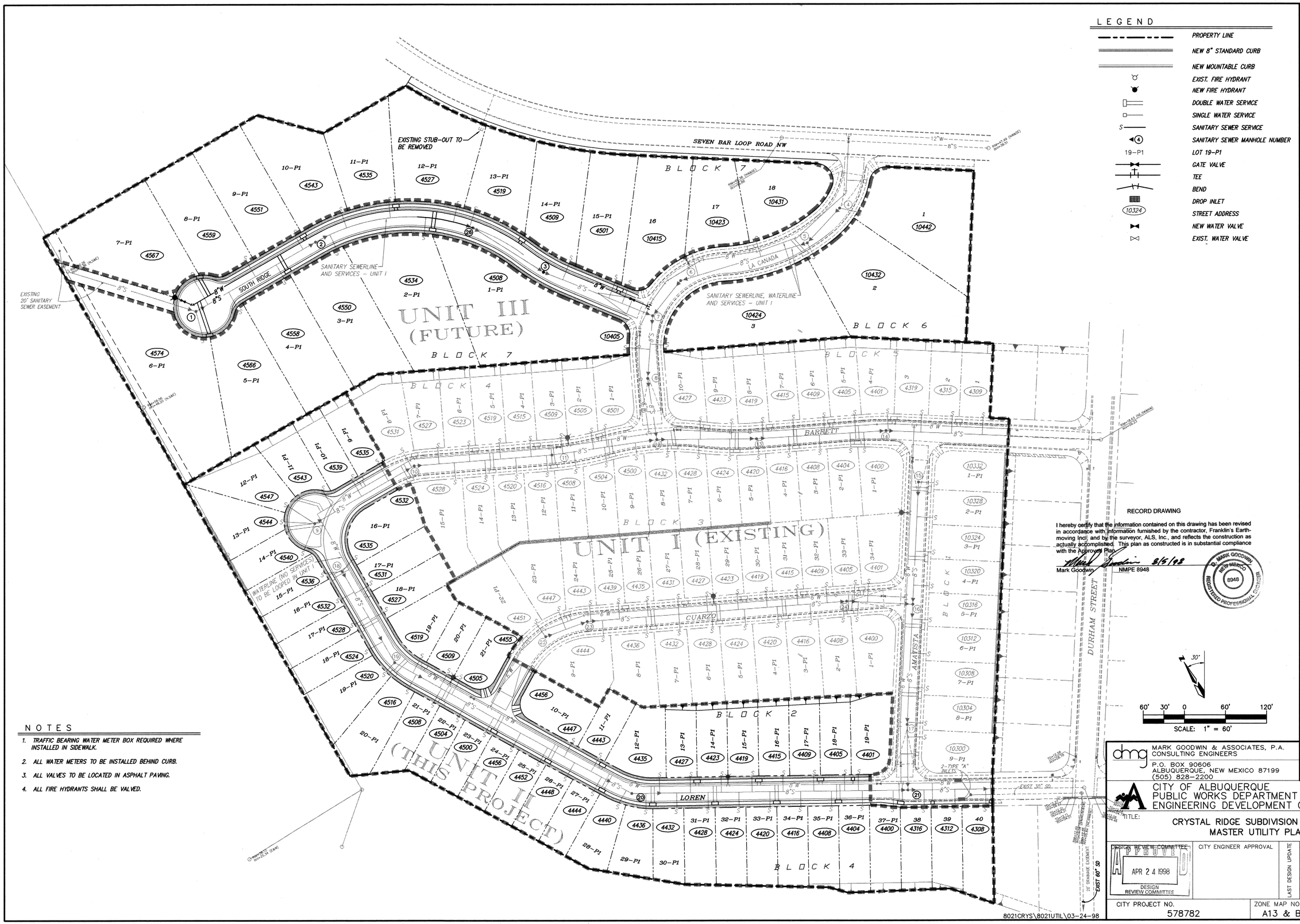
HP DesignJet 600 Hewlett-Packard HP-GL/2 devices, ADI 4.3 - for Autodesk by HP



LEGEND

- PROPERTY LINE
- NEW 8" STANDARD CURB
- NEW MOUNTABLE CURB
- EXIST. FIRE HYDRANT
- NEW FIRE HYDRANT
- DOUBLE WATER SERVICE
- SINGLE WATER SERVICE
- SANITARY SEWER SERVICE
- SANITARY SEWER MANHOLE NUMBER
- LOT 19-P1
- GATE VALVE
- TEE
- BEND
- DROP INLET
- STREET ADDRESS
- NEW WATER VALVE
- EXIST. WATER VALVE

NOTES

1. TRAFFIC BEARING WATER METER BOX REQUIRED WHERE INSTALLED IN SIDEWALK.
2. ALL WATER METERS TO BE INSTALLED BEHIND CURB.
3. ALL VALVES TO BE LOCATED IN ASPHALT PAVING.
4. ALL FIRE HYDRANTS SHALL BE VALVED.

RECORD DRAWING

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Mark Goodwin 8/5/98 NMPE 8948

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

8021CRYS\8021UTIL\03-24-98

AS BUILT INFORMATION

CONTRACTOR	Franklin's	DATE	8/98
WORK STAKED BY	ALS	DATE	8/98
INSPECTOR ACCEPTANCE BY	MGW	DATE	8/98
FIELD VERIFICATION BY	ALS	DATE	8/98
DRAWINGS CORRECTED BY	MGW	DATE	8/98

MICRO-FILM INFORMATION

RECORDED BY: DATE

NO.

BENCH MARKS

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X=381,108.54
Y=1,528,910.94
Z=5023.411

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY	DMG	DATE 02/98
DRAWN BY	WLV	DATE 02/98
CHECKED BY	DMG	DATE 02/98

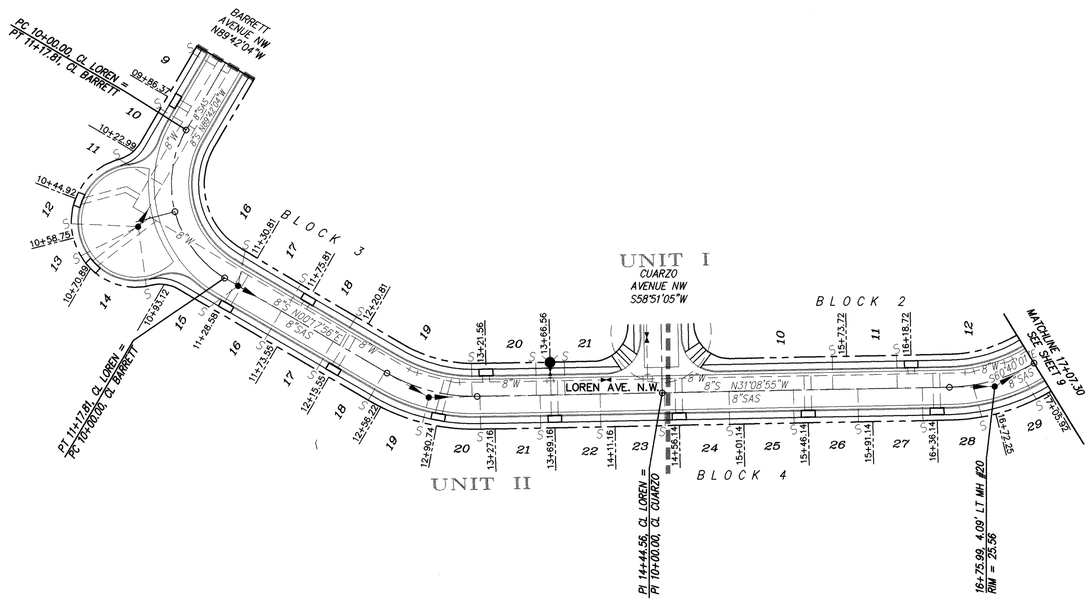
dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
CRYSTAL RIDGE SUBDIVISION – UNIT II
MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED APR 24 1998 DESIGN REVIEW COMMITTEE				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
578782	A13 & B13	7	11



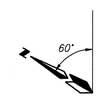
NOTE:
WATERLINES AND SERVICES SHOWN ON THIS PROJECT EXIST. INSTALL METER BOXES & SERVICE FITTINGS
SANITARY SEWER SHOWN FOR REFERENCE ONLY. SAS AND SERVICES EXIST.

EXIST. SANITARY SEWER SERVICES

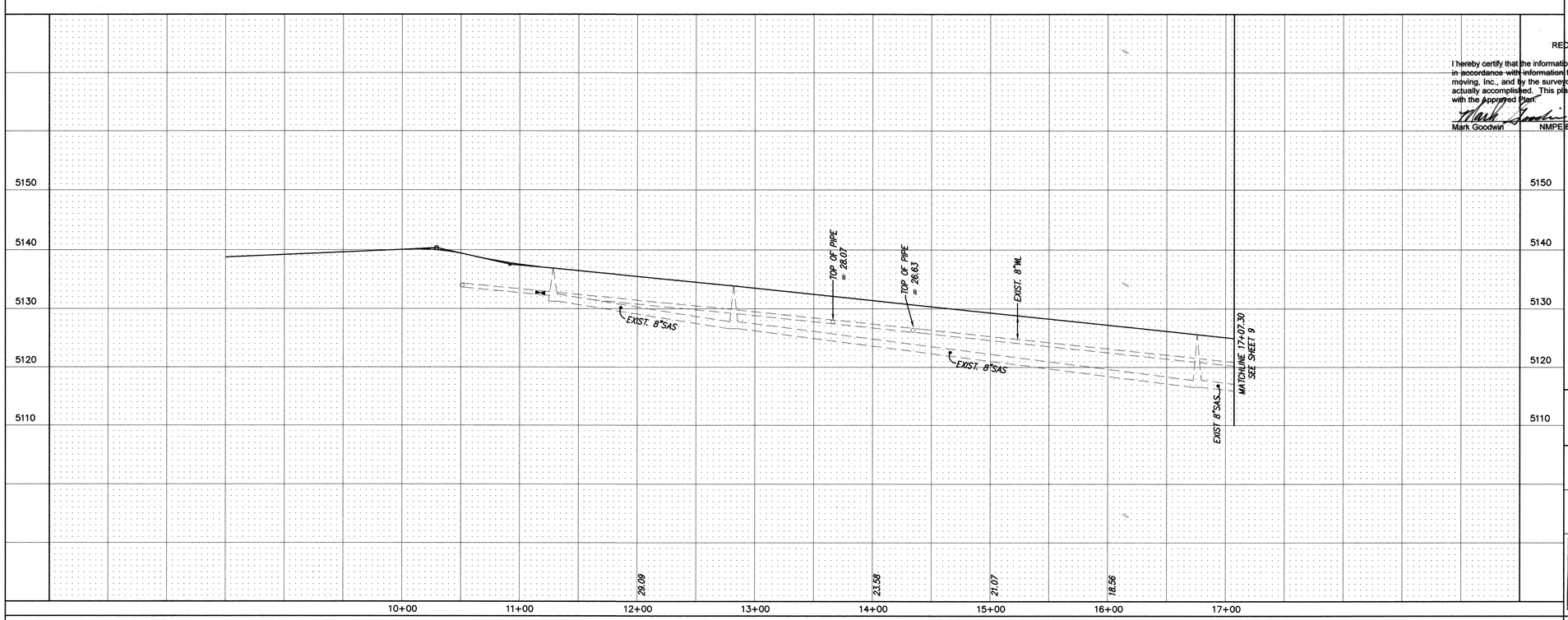
BLOCK	LOT	STATION AT PL	INV. ELEV. AT PL	LENGTH AT PL
2	10	15+63	24.00	23.00'
2	11	16+08	23.60	23.00'
3	16	11+20	35.20	24.28'
3	17	11+65	33.80	23.00'
3	18	12+10	32.20	23.00'
3	19	13+11	29.40	23.06'
3	20	13+56	28.40	23.00'
3	21	13+76	27.80	23.00'
4	9	09+51	37.00	28.00'
4	10	9+96	36.20	28.00'
4	11	10+32	36.80	35.01'
4	12	10+48	36.60	46.61'
4	13	10+60	36.60	44.80'
4	14	10+83	36.00	41.56'
4	15	11+18	35.20	25.08'
4	16	11+63	34.00	23.00'
4	17	12+05	32.40	23.00'
4	18	12+46	31.40	23.00'
4	19	12+80	30.40	18.34'
4	20	13+17	29.40	23.00'
4	21	13+59	28.40	23.00'
4	22	14+01	27.40	23.00'
4	23	14+46	26.40	23.00'
4	24	14+91	25.40	23.00'
4	25	15+36	24.20	23.00'
4	26	15+81	23.20	23.00'
4	27	16+26	22.40	23.00'
4	28	16+62	21.60	22.24'
4	29	16+95	21.00	22.56'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.



LOREN AVENUE NW
STA. PC 10+00.00 TO STA. PT 17+07.30
HOR. 1" = 50'
VER. 1" = 10'



RECORD DRAWING

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Mark Goodwin 8/5/98
Mark Goodwin NMPE 8948

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

AS BUILT INFORMATION
CONTRACTOR FRANKLINS DATE 6/98
WORK STAKED BY ALS DATE 8/98
FIELD WORK ACCEPTANCE BY MGA DATE 8/98
FIELD VERIFICATION BY ALS DATE 8/98
DRAWINGS CORRECTED BY MGA DATE 8/98

BENCH MARKS
STATION MARK IS A STANDARD NMSHC BRASS TABLET, STAMPED "NM448-H12", SET IN TOP OF A CONCRETE TABLET, PROJECTING 0.3 FT. ABOVE GROUND.
TO REACH THE STATION FROM THE INTERSECTION OF STATE RD. 448 AND CENTRAL AVE., GO NORTH ON STATE RD 448, 9.30 MILES TO MOUNTAIN BELL TELE. SUB-STATION AND STATION ON LEFT (WEST).
X=381,108.54
Y=1,528,910.94
Z=5023.411

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER
8/5/98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY DMG DATE 02/98
DRAWN BY MLV, FSM DATE 02/98
CHECKED BY DMG DATE 02/98

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: CRYSTAL RIDGE – UNIT II
UTILITY IMPROVEMENTS
LOREN AVENUE NW

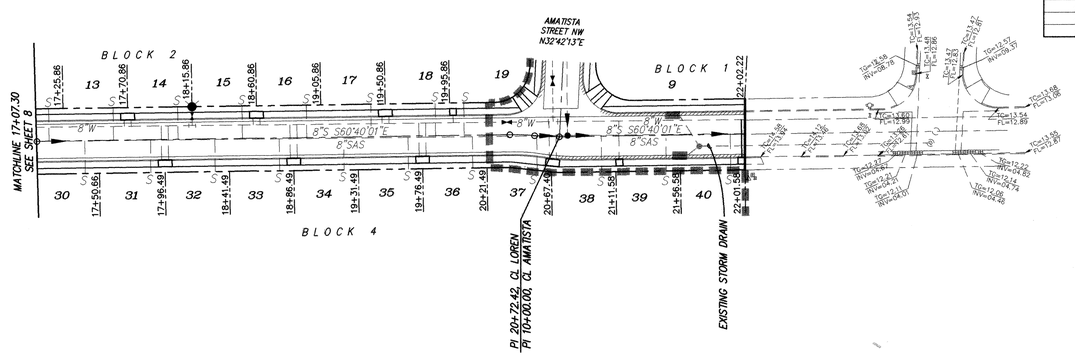
DESIGN REVIEW COMMITTEE: APPROVED APR 24 1998 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL
LAST DESIGN UPDATE MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. 578782
ZONE MAP NO. A-13 & B-13
SHEET 8 OF 11

8021CRYS\8021UP-1\03-24-98

EXISTING SANITARY SEWER SERVICES

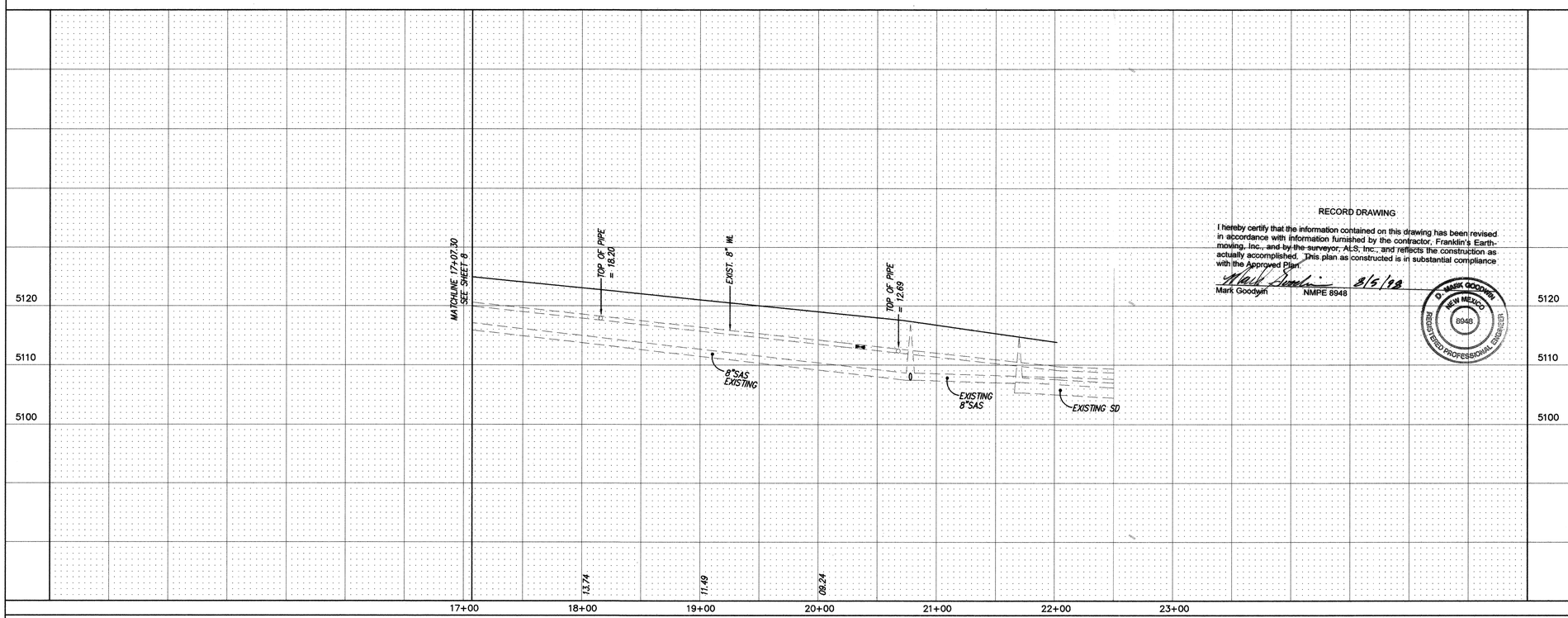
BLOCK	LOT	STATION AT PL	INV. ELEV. AT PL	LENGTH AT PL
2	12	17+25	20.40	23.03'
2	13	17+60	19.40	23.17'
2	14	18+05	18.40	23.32'
2	15	18+50	17.40	23.46'
2	16	18+95	16.40	23.61'
2	17	19+40	15.40	23.75'
2	18	19+85	14.40	23.90'
2	19	20+05	14.00	23.96'
4	30	17+40	20.00	22.89'
4	31	17+86	18.80	22.74'
4	32	18+31	18.00	22.60'
4	33	18+76	16.80	22.45'
4	34	19+21	16.00	22.31'
4	35	19+66	15.00	22.16'
4	36	20+11	14.00	22.02'
4	37	20+57	13.00	24.14'
4	38	21+01	12.00	25.73'
4	39	21+46	11.00	25.58'
4	40	21+91	10.00	25.44'



NOTE:
WATERLINES AND SERVICES EXIST, INSTALL METER BOXES ONLY.
SANITARY SEWER AND SERVICES EXIST AND ARE SHOWN FOR REFERENCE ONLY.

30'

LOREN AVENUE NW
STA. PC 17+07.30 TO STA. 22+01.59
HOR. 1" = 50'
VER. 1" = 10'



RECORD DRAWING

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Mark Goodwin NMPE 8948 8/5/98

D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

AS BUILT INFORMATION
CONTRACTOR: Franklin's DATE 6/98
WORK STAKED BY: ALS DATE 8/98
WORK INSPECTED & ACCEPTANCE BY: MGA DATE 8/98
FIELD VERIFICATION BY: ALS DATE 8/98
DRAWINGS CORRECTED BY: MGA DATE 8/98

BENCH MARKS
STATION MARK IS A STANDARD NMSHC BRASS TABLET, STAMPED "NM448-H12", SET IN TOP OF A CONCRETE TABLET, PROJECTING 0.3 FT. ABOVE GROUND.
TO REACH THE STATION FROM THE INTERSECTION OF STATE RD. 448 AND CENTRAL AVE., GO NORTH ON STATE RD 448, 9.30 MILES TO MOUNTAIN BELL TELE. SUB-STATION AND STATION ON LEFT (WEST).
X=391,108.54
Y=1,528,910.94
Z=5023.411

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
D. MARK GOODWIN NEW MEXICO 8948 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		DATE
DESIGNED BY	DMG	02/98
DRAWN BY	WLV	02/98
CHECKED BY	DMG	02/98

RECORDED BY DATE
NO.

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

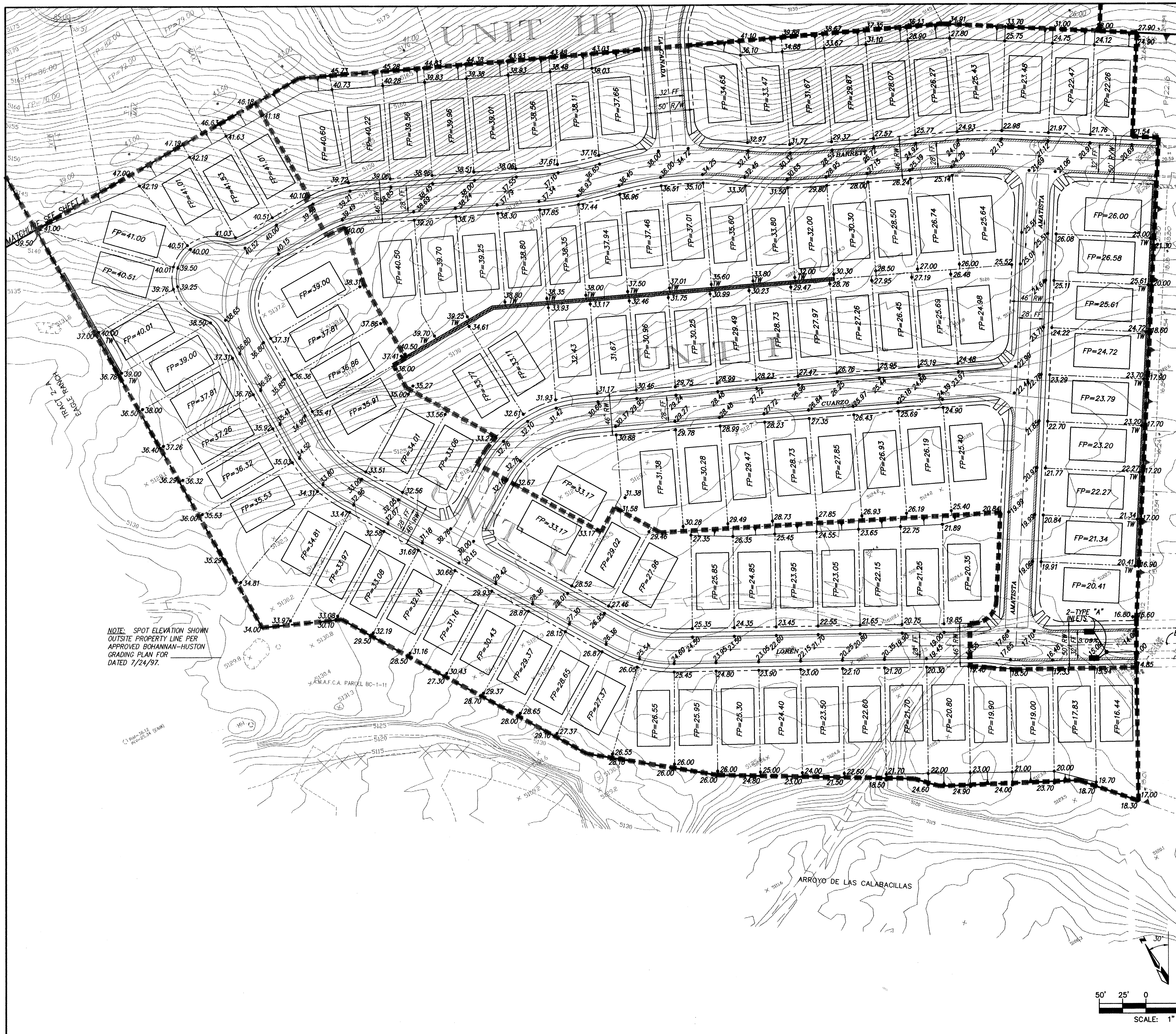
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: CRYSTAL RIDGE – UNIT II
UTILITY IMPROVEMENTS
LOREN AVENUE NW

DESIGN REVIEW COMMITTEE: APPROVED APR 24 1998 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 578782
ZONE MAP NO. A-13 & B-13
SHEET 9 OF 11

8021CRYS\8021UP-2\03-24-98



7055CRYS\7055-GDS(SOUTH HALF) 08-06-97 MCG

C:\DWGS\7055CRYS\7055-GDS Tue Sep 16 16:57:10 1997

AS BUILT INFORMATION

CONTRACTOR	Franklin's	DATE 11/97
WORK STAKED BY	ACS	DATE 11/97
INSPECTOR'S ACCEPTANCE BY	MGA	DATE 11/97
FIELD VERIFICATION BY	ACS	DATE 11/97
DRAWINGS CORRECTED BY	MGA	DATE 11/97

MICRO-FILM INFORMATION

RECORDED BY
NO. DATE

BENCH MARKS

STATION MARK IS A STANDARD NMSHC BRASS TABLET, STAMPED "NM448-N12", SET IN TOP OF A CONCRETE TABLET, PROJECTING 0.3 FT. ABOVE GROUND.

TO REACH THE STATION FROM THE INTERSECTION OF STATE RD. 448 AND CENTRAL AVE., GO NORTH ON STATE RD 448, 9.30 MILES TO MOUNTAIN BELL TELE SUB-STATION AND STATION ON LEFT (WEST).

X=381,108.54
Y=1,528,910.94
Z=5023.411

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

D. MARK GOODWIN, REGISTERED PROFESSIONAL ENGINEER — 11/21/97

NO.	DATE	REMARKS	BY

REVISIONS

	DESIGN	DATE
DESIGNED BY	DMG	6/97
DRAWN BY	MCG	6/97
CHECKED BY	DMG	6/97

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

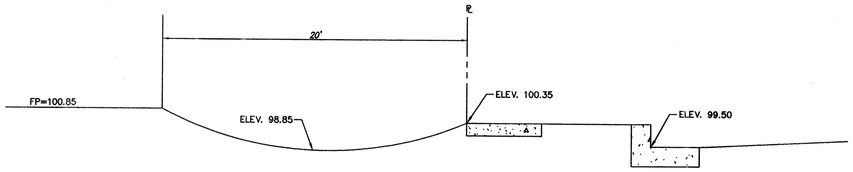
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

CRYSTAL RIDGE 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 OF
578722	A13 & B13	10 OF 11



EROSION CONTROL SWALE DETAIL

N.T.S.

EROSION CONTROL NOTES

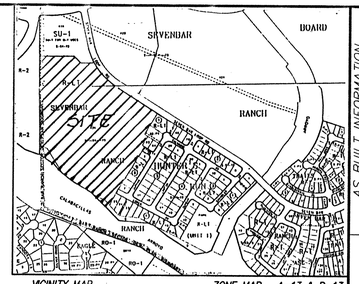
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. EROSION CONTROL SWALES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

LEGEND

NEW RETAINING WALL	EXIST. CONTOUR
21.01 TW / 18.31 BW — TOP OF WALL / BOTTOM OF WALL	EXIST. CABLE T.V. PEDESTAL
FP=5248.72 — FINISHED PAD ELEV.	EXIST. OVERHEAD ELECTRIC LINE
MOUNTABLE CURB & GUTTER	EXIST. OVERHEAD TELEPHONE LINE
STANDARD 8" CURB & GUTTER	EXIST. P.P.
28.53 • PROPOSED SPOT ELEV.	× 00.00 SPOT ELEVATION
3:1 SLOPE	CURB AND GUTTER
EXIST. SANITARY SEWER MANHOLE	SD PROPOSED STORM DRAIN LINE
EXIST. WATER VALVE	PROPOSED MANHOLE
EXIST. FIRE HYDRANT	28.53 • REAR YARD POND WITH POND BOTTOM ELEVATION
EXIST. STORM SEWER MANHOLE	ROOF DRAIN (TYP)
EXIST. DROP INLET	BASIN BOUNDARY
TC= / FL= EXIST. TOP OF CURB FLOWLINE	
PROPOSED STORM DRAIN INLET	

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 SWALES AS PER DTL. THIS SHT. AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE EARTHWORK CONTACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
6. ON ALL LOTS WITH REAR YARD PONDS THE ROOFS MUST DRAIN TOWARDS STREET.
7. ADD 5100 TO ALL ELEVATIONS. ALL ELEVATIONS ARE MEAN SEA LEVEL (M.S.L.).


SEVENDAR
BOARD
RANCH
SITE
A-1
A-2
B-1
B-2
B-1 UNIT 13
B-1 UNIT 12
B-1 UNIT 11
B-1 UNIT 10
B-1 UNIT 9
B-1 UNIT 8
B-1 UNIT 7
B-1 UNIT 6
B-1 UNIT 5
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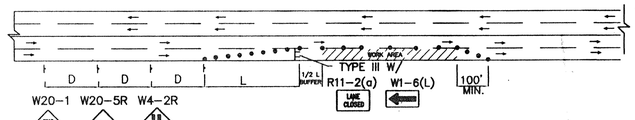
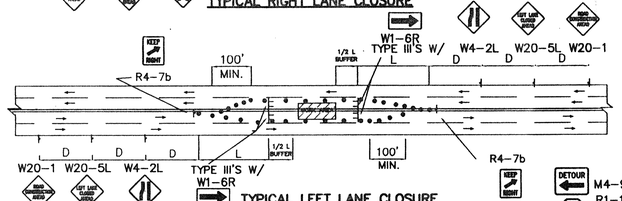
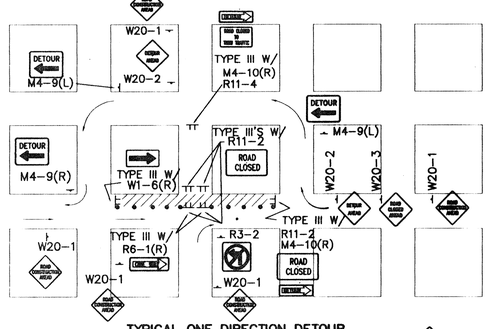
B-2



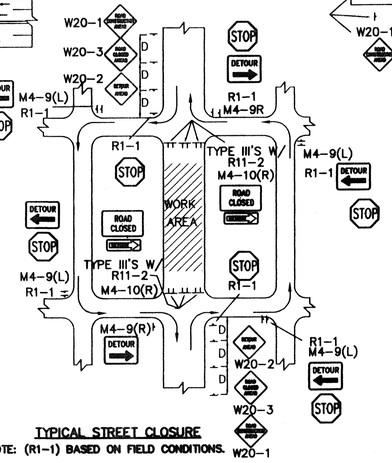
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

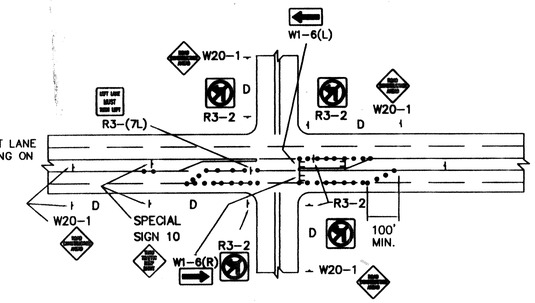


TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

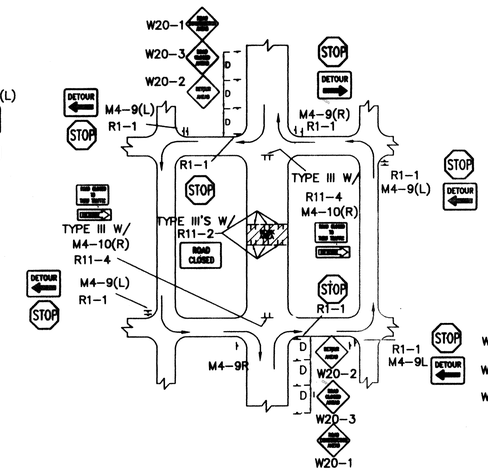
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



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

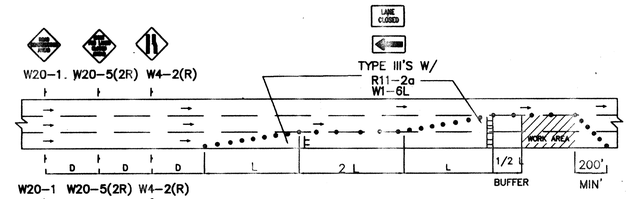
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION

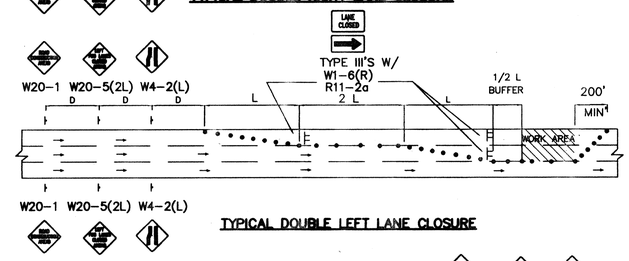


TYPICAL MID-BLOCK CLOSURE

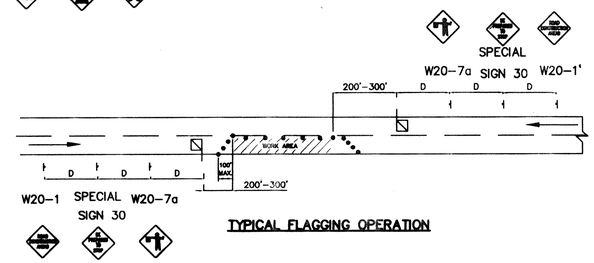
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



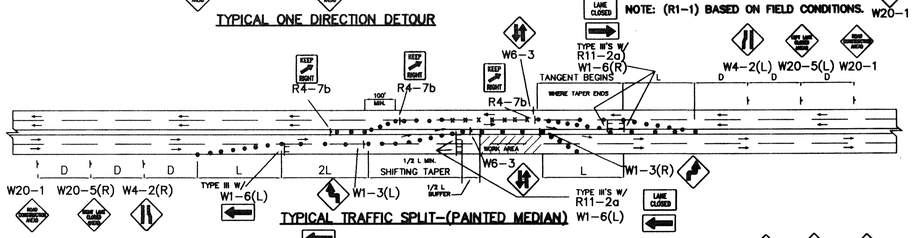
TYPICAL DOUBLE RIGHT LANE CLOSURE



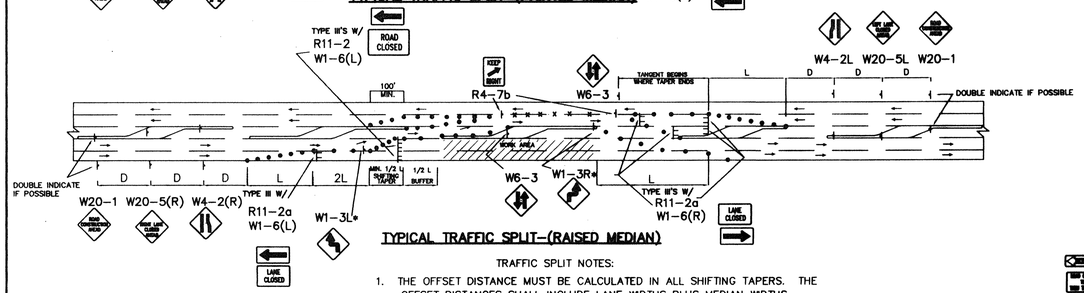
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



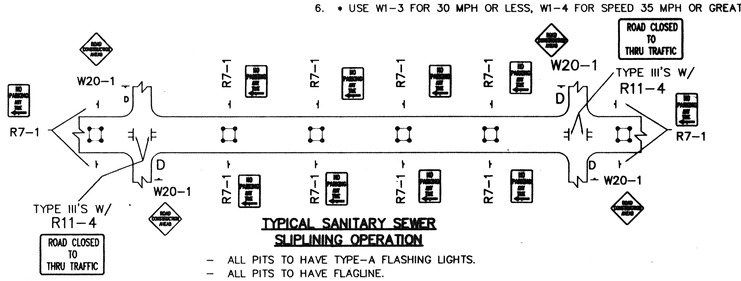
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



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.



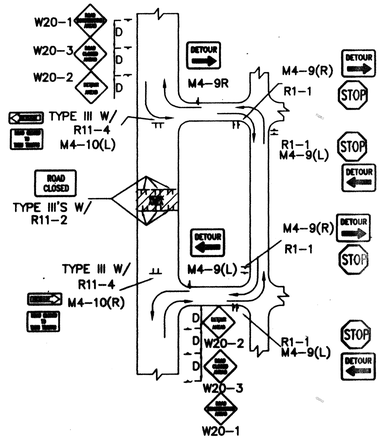
TYPICAL SANITARY SEWER SLIPLINING OPERATION

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

GENERAL NOTE:

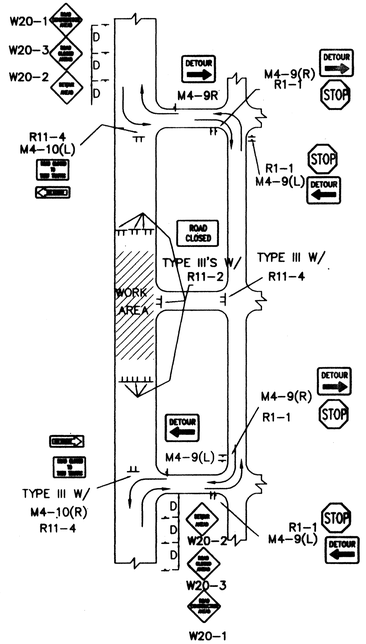
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

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. △1



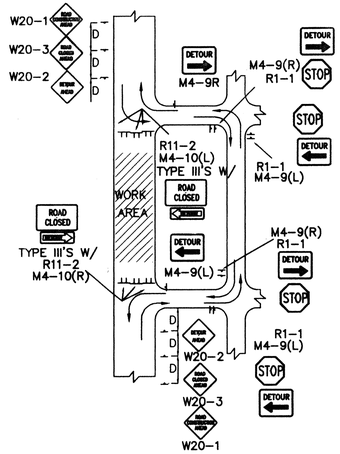
TYPICAL STREET CLOSURE

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.

AS BUILT INFORMATION

CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
VERIFICATION BY DRAWINGS | DATE
CORRECTED BY | DATE

MICRO-FILM INFORMATION

RECORDED BY | DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY
△1	9/24/97	REVISED GENERAL NOTE	J.D.L.

REMARKS

DESIGN

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:

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

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

COA Standard

PROJECT NO. 578782 | MAP NO. A 13 | SHEET 12A OF

CTCSTND2.DWG

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

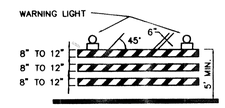
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

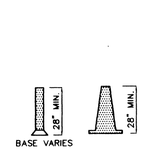
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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)

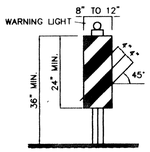
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. (4)



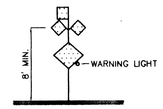
TYPE III BARRICADE



CONES



VERTICAL PANEL

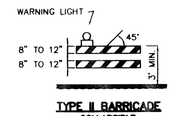


HIGH LEVEL WARNING DEVICE

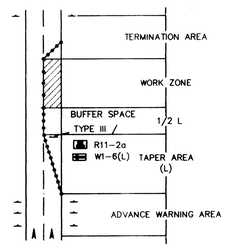
LEGEND

- 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

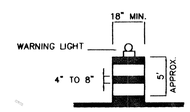
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.



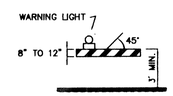
TYPE II BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS



BARREL



TYPE I BARRICADE
COLLAPSIBLE

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

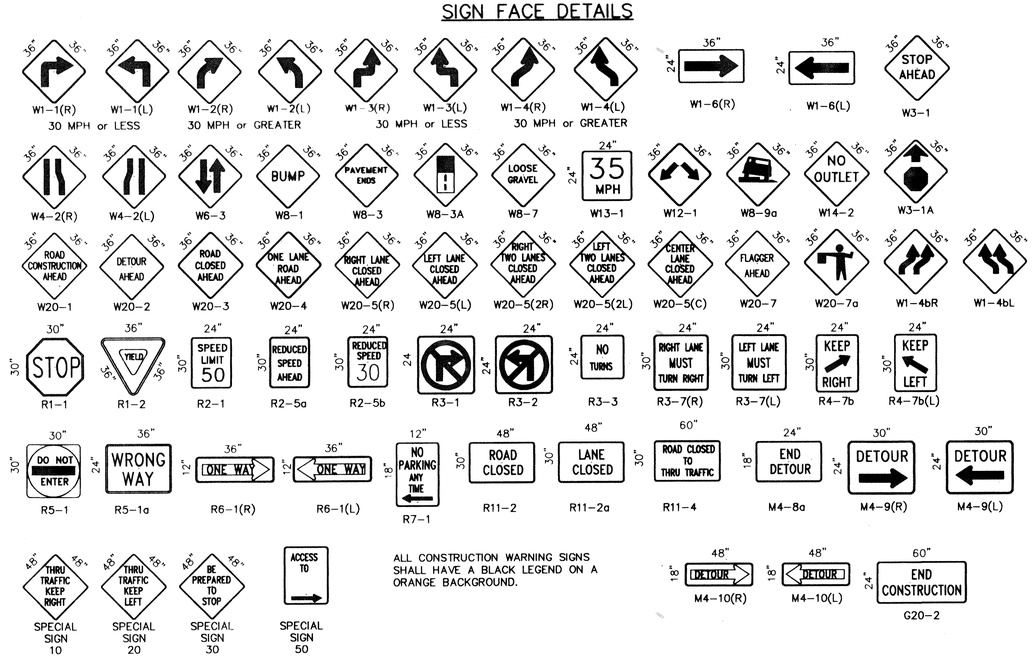
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

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	DATE
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES 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:

SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

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

PROJECT NO.	MAP NO.	SHEET	OF
578782	A 13	12.B	

CTCSTND1.DWG