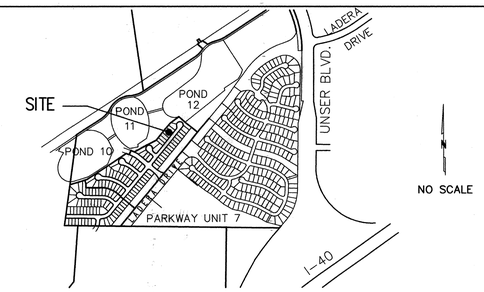
TIERRA OESTE UNIT 1

ALBUQUERQUE, NEW MEXICO
IMPROVEMENTS FOR
GRADING, PAVING AND UTILITIES

INDEX OF DRAWINGS



VICINITY MAP

ZONE ATLAS MAP H-9 & J-9

GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986 EDITION AS AMENDED WITH UPDATE NO. 6.

2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.

3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.

4. A. WARNING – EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMANTION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.
   B. THERE ARE EXISTING HIGH VOLTAGE LINES WITHIN THE PNM EASEMENT ADJACENT TO LADERA DRIVE. THESE LINES MUST REMAIN ENERGIZED AT ALL TIMES. CONTRACTOR SHALL COORDINATE WITH PNM PRIOR TO START OF CONSTRUCTION. CONTRACTOR IS ADVISED THAT OSHA REQUIRES A MINIMUM CLEARANCE OF 15' IN ALL DIRECTIONS FROM THE POWERLINE.

5. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

6. TRAFFIC CONTROL: FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING AT NO ADDITIONAL COST TO THE OWNER.

7. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.

8. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING MONUMENTATION CONTROLS. IN THE EVENT OF INADVERTENT DESTRUCTION OR ALTERATION THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE CITY CHIEF SURVEYOR.

9. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.

10. NOTIFY CITY OF ALBUQUERQUE WATER DEPARTMENT A MINIMUM OF 5 WORKING DAYS PRIOR TO MAKING CONNECTIONS TO EXISTING WATER LINES.

11. ALL WHEELCHAIR RAMPS SHALL ADHERE TO CURRENT ADA REQUIREMENTS.

APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 9/20/01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	21,23,25-29	Frank J. Crespin	12/7/00	Bradley L. Bingham	12/19/00		

ENGINEER'S CERTIFICATION

I, Russell G. Grayson, REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

ANDRE P. FOSSEMALE NEW MEXICO 9916 REGISTERED PROFESSIONAL ENGINEER

DRB Case# 94-443

ENGINEERS STAMP & SIGNATURE: RUSSELL G. GRAYSON NEW MEXICO 14237 REGISTERED PROFESSIONAL ENGINEER 1/3/00

APPROVALS	ENGINEER	DATE
DRC Chairman		2-27-00
Transportation		1-11-00
Water/Wastewater	Bradley L. Bingham	1-11-00
Hydrology		1-11-00
Parks		
Constr. Mngmt.		
AMAFCA		1-28-00

City Project No. 5297.90

* * * * * * * * * * * * *
APPROVED FOR CONSTRUCTION
City Engineer — Date 8/16/00

Sheet 1 Of 30

SCANNED BY MESA REPRO

30DEC99 (TE)
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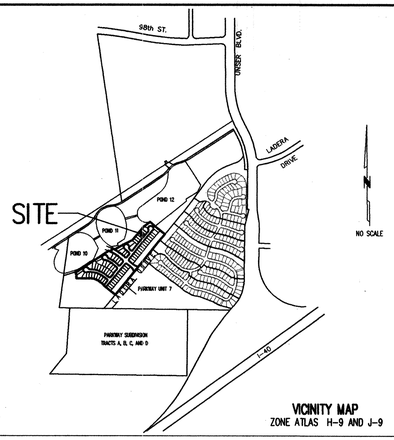


VICINITY MAP
ZONE ATLAS H-9 AND J-9

NOTES

1. THE PURPOSE OF THIS PLAT IS TO SUBDIVIDE UNPLATTED LANDS OF WESTLAND DEVELOPMENT COMPANY. UNIT 1 CONTAINS 15.3476 ACRES, 72 SINGLE FAMILY RESIDENTIAL LOTS AND ADJOINING STREETS.
2. ALL BEARINGS SHOWN HEREON ARE GRID BEARINGS BASED ON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, MEAN DELTA ALPHA -00°16'45". BASIS OF BEARINGS IS THE PUBLISHED BEARING BETWEEN ACS "BH-40" AND ACS "3-H10" BEING N. 68°57'50" E. BASIS OF COORDINATES ARE THOSE PUBLISHED FOR ACS "BH-40". DISTANCES ARE HORIZONTAL GROUND DISTANCES IN FEET.
3. BEARINGS AND DISTANCES SHOWN IN PARENTHESES ARE FROM RECORD PLATS.
4. ALL LOT LINES ARE PERPENDICULAR OR RADIAL TO STREET LINES UNLESS OTHERWISE INDICATED.
5. BENCHMARK FOR THIS PLAT IS THE CITY OF ALBUQUERQUE ACS MONUMENT "BH-40" ELEVATION = 5305.43 LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 2 BETWEEN TWO POWER POLES.
6. ALL PROPERTY CORNERS ARE SET WITH A 5/8" X 24" REBAR WITH RED OR YELLOW PLASTIC CAP STAMPED LS 9243 SET FLUSH WITH THE GROUND.
7. CENTERLINE (IN LIEU OF R/W) MONUMENTATION TO BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS PRIOR TO ACCEPTANCE OF SUBDIVISION STREET IMPROVEMENTS AND WILL CONSIST OF A FOUR INCH ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION SURVEY MARKER DO NOT DISTURB P.L.S. 9243". ▲ DENOTES CENTERLINE MONUMENT.
8. A.M.A.F.C.A. POND BOUNDARIES ARE BASED ON FOUND BRASS CAP MONUMENTS STAMPED A.M.A.F.C.A. FLOOD CONTROL R/W (OFFSET BASELINE STATIONS 104+65.53 AND 143+27.18 BEING 174' RIGHT OF THE CONSTRUCTION BASELINE) AS SHOWN ON THE LADERA STORM DRAINAGE DIVERSION AND DETENTION FACILITY PLANS PROVIDED BY A.M.A.F.C.A.

EASEMENTS

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:

1. THE PUBLIC SERVICE COMPANY OF NEW MEXICO FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLE NECESSARY TO PROVIDE ELECTRICAL SERVICE.
2. THE GAS COMPANY OF NEW MEXICO FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLE NECESSARY TO PROVIDE NATURAL GAS.
3. USWEST FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF ALL BURIED AND AERIAL COMMUNICATION LINES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLE NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO, ABOVE GROUND PEDESTALS AND CLOSURES.
4. JONES INTERCABLE FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLE 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 PURPOSE DESCRIBED ABOVE. TOGETHER WITH FREE ACCESS TO, FROM, AND OVER SAID EASEMENTS, 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 (ABOVEGROUND 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.

PNM AND USWEST COMMUNICATIONS DO NOT RELEASE ANY PREVIOUS EASEMENT RIGHT WHICH WAS GRANTED BY PRIOR PLATTING OR RECORD DOCUMENT UNLESS SPECIFICALLY NOTED HEREON.

EXISTING 100' WIDE PNM EASEMENT ALONG LADERA DRIVE OVERLAPS INTO THE BACK PROPERTY LINE OF LOTS 1 THRU 15 IN BLOCK 1 AND LOTS 1 THRU 12 IN BLOCK 2. THE 10 OR 11 FOOT EASEMENT BEING GRANTED AND SHOWN ALONG THE BACK OF THESE LOTS ENSURES THE INTREGITY OF THE EXISTING 100 FOOT PNM RIGHT-OF-WAY EASEMENT.

3-07-96
TOSP1.DWG

DESCRIPTION

A PARCEL OF LAND BEING A PORTION OF UNPLATTED LANDS WITHIN PROJECTED SECTION 16, TOWNSHIP 10 NORTH, RANGE 2 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, TOWN OF ATRISCO GRANT, BERNALILLO COUNTY, NEW MEXICO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE WESTERLY MOST CORNER OF THE PROPERTY HEREIN DESCRIBED FROM WHICH THE ALBUQUERQUE CITY SURVEY MONUMENT "BH-40", A FOUND BRASS CAP IN CONCRETE (NEW MEXICO STATE PLANE COORDINATES X=352,790.66 AND Y=1,492,346.53, CENTRAL ZONE) BEARS N.54°56'08"W. 1,085.20 FEET;
THENCE N.73°07'33"E. 23.84 FEET ACROSS UNPLATTED LANDS OF WESTLAND DEVELOPMENT COMPANY, INC.;
THENCE N.56°44'12"E. 632.98 FEET;
THENCE S.69°30'00"E. 43.71 FEET;
THENCE N.20°30'00"E. 60.00 FEET ON A RADIAL LINE TO A POINT ON A NON-TANGENT CURVE;
THENCE 48.96 FEET SOUTHEASTERLY ON THE ARC OF SAID NON-TANGENT CURVE TO THE RIGHT HAVING A CENTRAL ANGLE OF 6°19'58", A RADIUS OF 443.00 FEET, AND A CHORD WHICH BEARS S.66°20'01"E. 48.94 FEET;
THENCE DEPARTING SAID CURVE ON A NON-TANGENT LINE BEARING N.61°00'00"E. 195.79 FEET;
THENCE N.63°40'00"E. 135.54 FEET;
THENCE N.39°25'48"E. 301.00 FEET;
THENCE N.53°22'34"E. 135.94 FEET TO A POINT ON THE SOUTHERLY BOUNDARY LINE OF A.M.A.F.C.A. POND 12 (LEGAL DESCRIPTION LD-2-11) PER COURT JUDGEMENT FILED ON SEPTEMBER 28, 1978 IN VOL. MISC. 498, FOLIO 648-683;
THENCE S.47°59'54"E. 111.00 FEET ON SAID POND 12 BOUNDARY LINE;
THENCE DEPARTING SAID POND 12 BOUNDARY LINE, S.50°34'12"E. 214.35 FEET TO A POINT ON THE WESTERLY RIGHT-OF-WAY LINE OF LADERA DRIVE N.W., ALSO BEING THE WESTERLY BOUNDARY OF PARKWAY UNIT 4 FILED ON JULY 23, 1993 IN VOL. 93C, FOLIO 218;
THENCE S.39°25'48"W. 1,078.42 FEET ON THE WESTERLY RIGHT-OF-WAY OF SAID LADERA DRIVE N.W. EXTENDED, A COMMON BOUNDARY LINE WITH THE WESTERLY BOUNDARY LINE OF PARKWAY UNIT 5 FILED ON OCTOBER 19, 1993 IN VOL. 93C, FOLIO 299, PARKWAY UNIT 6, FILED ON JANUARY 12, 1994 IN VOL. 94C, FOLIO 11 AND PARKWAY UNIT 7 FILED ON MARCH 9, 1995 IN VOL. 95C, FOLIO 82 TO THE NORTHWEST CORNER OF THE PLAT FOR PARKWAY SUBDIVISION TRACTS A, B, C, AND D FILED ON JULY 29, 1995 IN VOL. 95C, FOLIO 238;
THENCE 100.03 FEET ON THE NORTHWEST RIGHT-OF-WAY LINE OF SAID LADERA DRIVE ON THE ARC OF A CURVE TO THE RIGHT HAVING A CENTRAL ANGLE OF 5°28'26", RADIUS OF 1,047.00 FEET, AND A CHORD WHICH BEARS S.42°06'34"W. 99.98 FEET;
THENCE 108.04 FEET ON THE ARC OF A REVERSE CURVE TO THE LEFT HAVING A CENTRAL ANGLE OF 5°24'30", A RADIUS OF 1,153.00 FEET, AND A CHORD WHICH BEARS S.42°11'07"W. 108.80 FEET;
THENCE S.39°29'59"W. 23.98 FEET;
THENCE DEPARTING SAID PARKWAY BOUNDARY AND LADERA DRIVE RIGHT-OF-WAY LINE, N.50°34'12"W. 240.07 FEET ACROSS UNPLATTED LANDS OF SAID WESTLAND DEVELOPMENT COMPANY, INC.;
THENCE N.39°25'48"E. 7.00 FEET;
THENCE N.50°34'12"W. 67.34 FEET;
THENCE 203.71 FEET ON THE ARC OF A CURVE TO THE LEFT HAVING A CENTRAL ANGLE OF 38°46'35", A RADIUS OF 301.00 FEET, AND A CHORD WHICH BEARS N.69°57'30"W. 199.85 FEET;
THENCE N.89°20'47"W. 224.42 FEET;
THENCE N.0°39'13"E. 51.41 FEET;
THENCE N.16°52'27"W. 51.83 FEET TO THE OF BEGINNING.

PARCEL CONTAINS 15.3476 ACRES, MORE OR LESS, 72 LOTS, PARCELS A AND B, AND TRACTS A AND B.

DEDICATION AND FREE CONSENT

THE PROPERTY SHOWN HEREON IS SUBDIVIDED WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE THE UNDERSIGNED OWNER(S) AND/OR PROPRIETOR(S) THEREOF AND SAID OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY DEDICATE ALL STREETS AND PUBLIC RIGHTS-OF-WAY 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. THE OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY ACKNOWLEDGE SAID INSTRUMENT TO BE THEIR FREE ACT AND DEED.

WESTLAND DEVELOPMENT COMPANY, INC.
A NEW MEXICO CORPORATION

Barbara Page
BARBARA PAGE, PRESIDENT AND CHIEF EXECUTIVE OFFICER

(STATE OF NEW MEXICO)
(COUNTY OF BERNALILLO) SS

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON MARCH 8, 1996 BY BARBARA PAGE, PRESIDENT AND CHIEF EXECUTIVE OFFICER OF WESTLAND DEVELOPMENT COMPANY, INC. ON BEHALF OF SAID CORPORATION.

BY: Linda J. Blair
NOTARY PUBLIC

MY COMMISSION EXPIRES: 8/5/97

TREASURER'S CERTIFICATION

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON UPC #:

UPC # _____

BERNALILLO COUNTY TREASURERS OFFICE:

BY: _____ DATE: _____

NOTES

9. CITY OF ALBUQUERQUE WATER AND SEWER SERVICE TO THESE LOTS MUST BE VERIFIED AND COORDINATED WITH THE PUBLIC WORKS DEPARTMENT, CITY OF ALBUQUERQUE.
10. TRACTS A AND B TO BE OWNED AND MAINTAINED BY TIERRA OESTE HOMEOWNERS ASSOCIATION, INC. PURSUANT TO RESTRICTIONS OF TIERRA OESTE SUBDIVISION, A DECLARATION OF RESTRICTIONS, COVENANTS AND CONDITIONS FOR THE CREATION AND MAINTENANCE OF A PLANNED RESIDENTIAL DEVELOPMENT, TO BE RECORDED SEPARATELY WITH THE COUNTY CLERK.

A SUBDIVISION PLAT FOR

TIERRA OESTE
UNIT 1

A SUBDIVISION OF UNPLATTED LANDS
WITHIN PROJECTED SECTION 16, T. 10 N., R. 2 E., N. M. P. M.
TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MARCH, 1996

SUBDIVISION DATA

ZONE ATLAS NO. H-9-Z and J-9-Z
CASE NO. DRB-94-443

NO. OF LOTS	72	PLAT ACRES	15.3476
NO. OF PARCELS	2	LOT ACRES	8.7801
NO. OF TRACTS	2	PARCEL ACRES	0.3679
STREET MILES (FULL)	0.5276	TRACT ACRES	2.8012
		STREET ACRES	3.3984

S.P. TALOS LOG NO. 96-03-12-0729-0015

APPROVALS

SUBDIVISION CASE NO. _____

FILED _____ DOC. NO. _____

VOLUME _____ PAGE _____

PNM ELECTRIC SERVICES	DATE
PNM GAS SERVICES	DATE
USWEST COMMUNICATIONS, INC.	DATE
JONES INTERCABLE	DATE
CITY SURVEYOR, ENGINEERING DIVISION	DATE 03/28/96
TRAFFIC ENGINEERING, TRANS. DEV. DIV., P.W.D	DATE 3-19-96
PARKS AND GENERAL SERVICES	DATE
UTILITY DEVELOPMENT DIVISION	DATE 3-19-96
PROPERTY MANAGEMENT	DATE
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	DATE
CITY ENGINEER, ENGINEERING DIVISION	DATE
CITY PLANNER, ALBUQUERQUE PLANNING DIVISION	DATE

SURVEYOR'S CERTIFICATION

I, DAN B. HOLMES, NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR NO. 9243, DO HEREBY CERTIFY THAT THE PLAT SHOWN HEREON WAS PREPARED UNDER MY DIRECT SUPERVISION, SHOWS ALL EASEMENTS MADE KNOWN TO ME BY THE OWNERS AND/OR PROPRIETORS OF THE SUBDIVISION SHOWN HEREON, UTILITY COMPANIES AND OTHER PARTIES EXPRESSING AN INTEREST. THIS PLAT MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND THE "MINIMUM STANDARDS FOR LAND SURVEYS" AS ESTABLISHED BY THE STATE OF NEW MEXICO AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Dan B. Holmes
DAN B. HOLMES, P.S. NO. 9243

3-08-96
DATE

DAN B. HOLMES
NEW MEXICO
9243
REGISTERED PROFESSIONAL LAND SURVEYOR

CINFRAN ENGINEERING INC.
333 Rio Rancho Drive
Suite 101
Rio Rancho, New Mexico

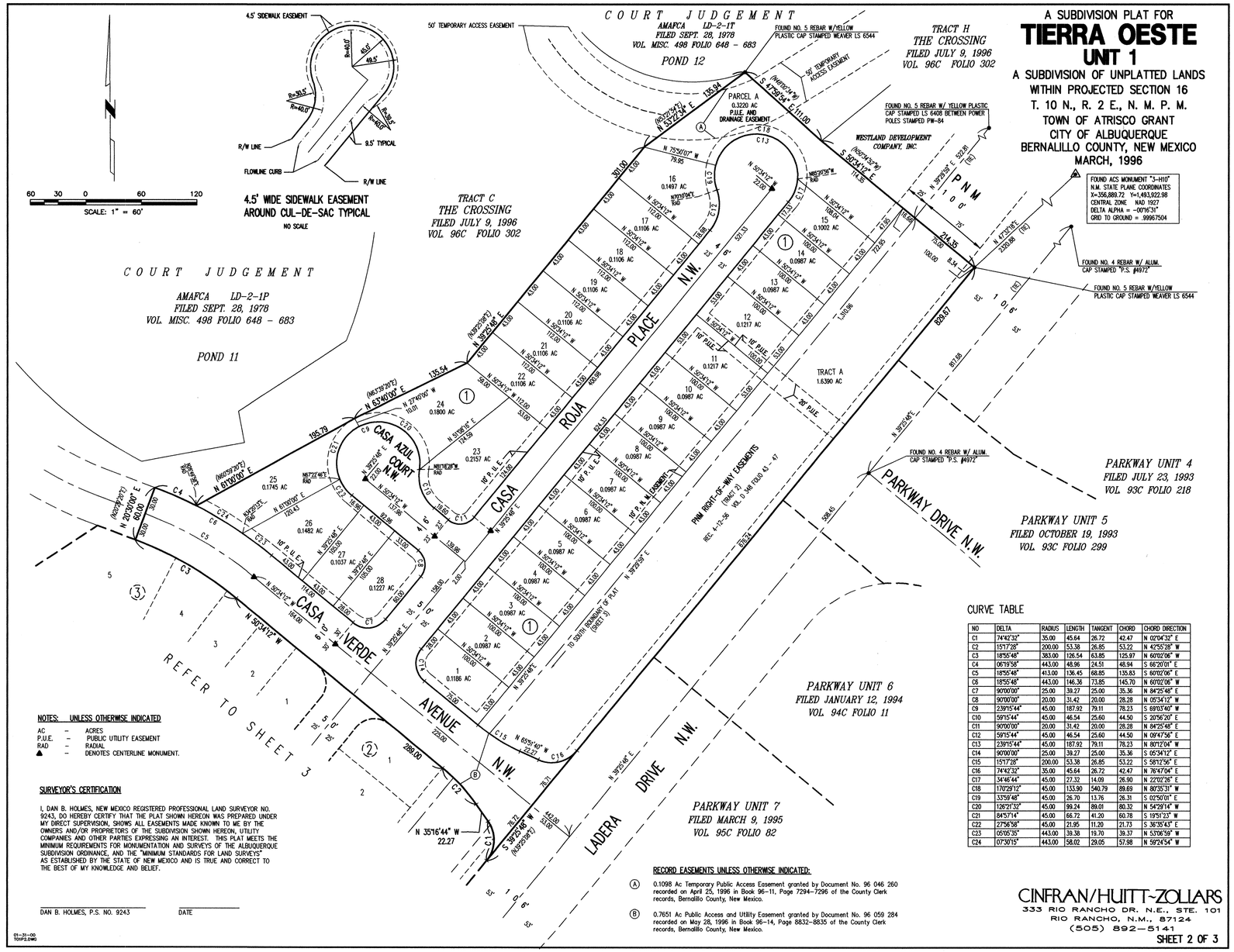
SHEET 1 OF 3

PROJECT NO. 5297.90	SHEET 2 OF 30

A SUBDIVISION PLAT FOR

TIERRA OESTE
UNIT 1

A SUBDIVISION OF UNPLATTED LANDS
WITHIN PROJECTED SECTION 16
T. 10 N., R. 2 E., N. M. P. M.
TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MARCH, 1996



SCANNED BY MESA REPRO

NOTES: UNLESS OTHERWISE INDICATED

AC – ACRES.
P.U.E. – PUBLIC UTILITY EASEMENT
RAD – RADIAL
▲ – DENOTES CENTERLINE MONUMENT.

SURVEYOR'S CERTIFICATION

I, DAN B. HOLMES, NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR NO. 9243, DO HEREBY CERTIFY THAT THE PLAT SHOWN HEREON WAS PREPARED UNDER MY DIRECT SUPERVISION, SHOWS ALL EASEMENTS MADE KNOWN TO ME BY THE OWNERS AND/OR PROPRIETORS OF THE SUBDIVISION SHOWN HEREON, UTILITY COMPANIES AND OTHER PARTIES EXPRESSING AN INTEREST. THIS PLAT MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND THE "MINIMUM STANDARDS FOR LAND SURVEYS" AS ESTABLISHED BY THE STATE OF NEW MEXICO AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DAN B. HOLMES, P.S. NO. 9243 — DATE

01-31-00
TOISP2.DWG

CURVE TABLE

NO	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CHORD DIRECTION
C1	74°42'32"	35.00	45.64	26.72	42.47	N 02°04'32" E
C2	15°17'28"	200.00	53.38	26.85	53.22	N 42°55'28" W
C3	18°55'48"	383.00	126.54	63.85	125.97	N 60°02'06" W
C4	06°19'58"	443.00	48.98	24.51	48.94	S 66°20'01" E
C5	18°55'48"	413.00	136.45	68.85	135.83	S 60°02'06" E
C6	18°55'48"	443.00	146.36	73.85	145.70	N 60°02'06" W
C7	90°00'00"	25.00	39.27	25.00	35.36	N 84°25'48" E
C8	90°00'00"	20.00	31.42	20.00	28.28	N 05°34'12" W
C9	239°15'44"	45.00	187.92	79.11	78.23	S 69°03'40" W
C10	59°15'44"	45.00	46.54	25.60	44.50	S 20°56'20" E
C11	90°00'00"	20.00	31.42	20.00	28.28	N 84°25'48" E
C12	59°15'44"	45.00	46.54	25.60	44.50	N 09°47'56" E
C13	239°15'44"	45.00	187.92	79.11	78.23	N 80°12'04" W
C14	90°00'00"	25.00	39.27	25.00	35.36	S 05°34'12" E
C15	15°17'28"	200.00	53.38	26.85	53.22	S 58°12'56" E
C16	74°42'32"	35.00	45.64	26.72	42.47	N 76°47'04" E
C17	34°46'44"	45.00	27.32	14.09	26.90	N 22°02'26" E
C18	170°29'12"	45.00	133.90	540.79	89.69	N 80°35'31" W
C19	33°59'48"	45.00	26.70	13.76	26.31	S 02°50'01" E
C20	126°21'32"	45.00	99.24	89.01	80.32	N 54°29'14" W
C21	84°57'14"	45.00	66.72	41.20	60.78	S 19°51'23" W
C22	27°56'58"	45.00	21.95	11.20	21.73	S 36°35'43" E
C23	05°05'35"	443.00	39.38	19.70	39.37	N 53°06'59" W
C24	07°30'15"	443.00	58.02	29.05	57.98	N 59°24'54" W

RECORD EASEMENTS UNLESS OTHERWISE INDICATED:

(A) 0.1098 Ac Temporary Public Access Easement granted by Document No. 96 046 260 recorded on April 25, 1996 in Book 96–11, Page 7294–7296 of the County Clerk records, Bernalillo County, New Mexico.

(B) 0.7651 Ac Public Access and Utility Easement granted by Document No. 96 059 284 recorded on May 28, 1996 in Book 96–14, Page 8832–8835 of the County Clerk records, Bernalillo County, New Mexico.

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892–5141

SHEET 2 OF 3

A SUBDIVISION PLAT FOR

TIERRA OESTE UNIT 1

A SUBDIVISION OF UNPLATTED LANDS
WITHIN PROJECTED SECTION 16
T. 10 N., R. 2 E., N. M. P. M.
TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MARCH, 1996

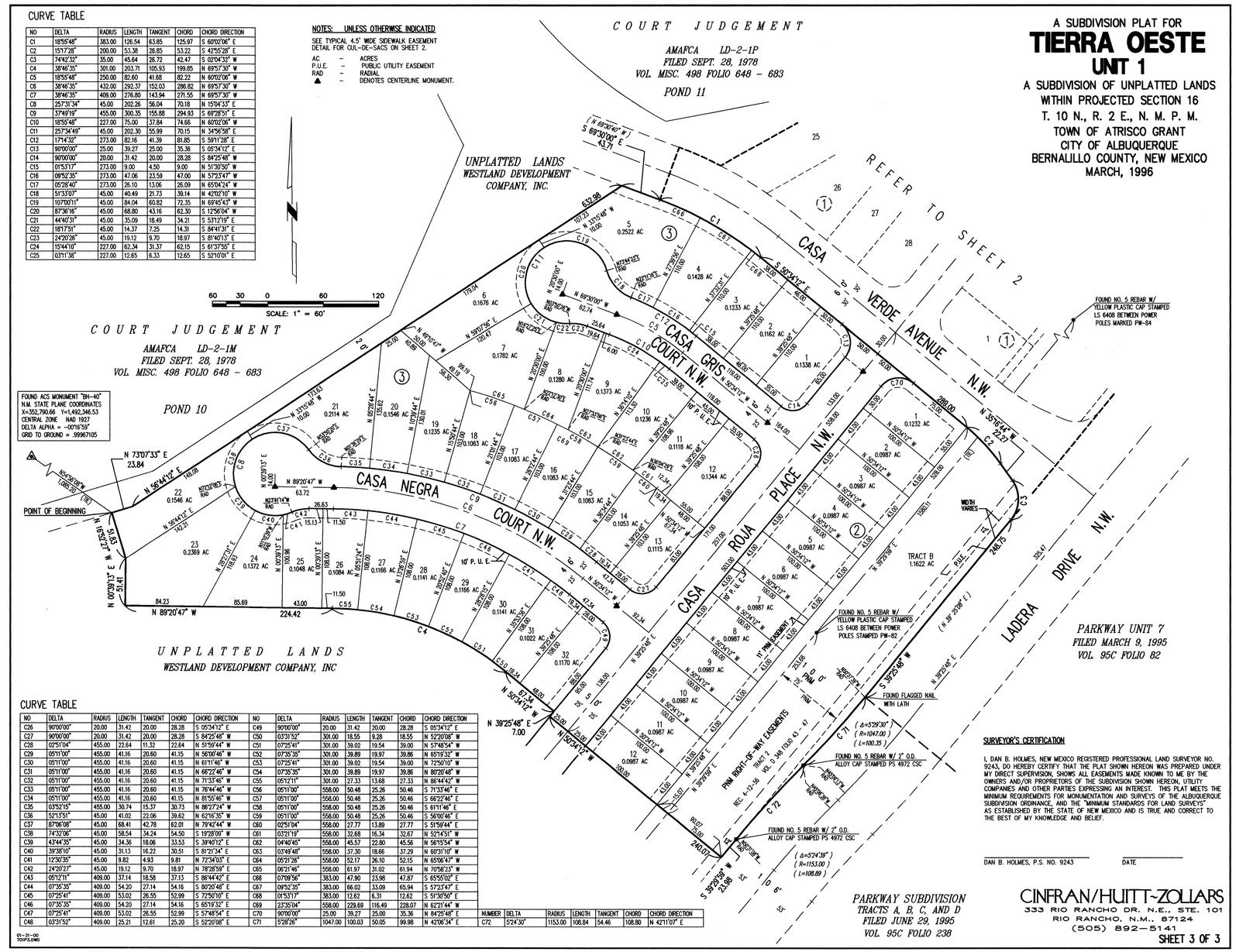
CURVE TABLE

NO	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CHORD DIRECTION
C1	18°55'48"	383.00	126.54	63.85	125.97	S 60°02'06" E
C2	15°17'28"	200.00	53.38	26.85	53.22	S 42°55'28" E
C3	74°42'32"	35.00	45.64	26.72	42.47	S 02°04'32" W
C4	38°46'35"	301.00	203.71	105.93	199.85	N 69°57'30" W
C5	18°55'48"	250.00	82.60	41.68	82.22	N 60°02'06" W
C6	38°46'35"	432.00	292.37	152.03	286.82	N 69°57'30" W
C7	38°46'35"	408.00	276.80	143.94	271.55	N 69°57'30" W
C8	25°31'34"	45.00	202.26	56.04	70.18	N 15°04'33" E
C9	37°49'19"	455.00	300.35	155.88	294.93	S 69°28'51" E
C10	18°55'48"	227.00	75.00	37.84	74.66	N 60°02'06" W
C11	257°34'49"	45.00	202.30	55.99	70.15	N 34°56'58" E
C12	17°14'32"	273.00	82.16	41.39	81.85	S 59°11'28" E
C13	90°00'00"	25.00	39.27	25.00	35.36	S 05°34'12" E
C14	90°00'00"	20.00	31.42	20.00	28.28	S 84°25'48" W
C15	01°53'17"	273.00	9.00	4.50	9.00	N 51°30'50" W
C16	09°52'35"	273.00	47.06	23.59	47.00	N 57°23'47" W
C17	05°28'40"	273.00	26.10	13.06	26.09	N 65°04'24" W
C18	51°33'07"	45.00	40.49	21.73	39.14	N 42°02'10" W
C19	107°00'11"	45.00	84.04	60.82	72.35	N 69°45'43" W
C20	87°36'16"	45.00	68.80	43.16	62.30	S 12°56'04" W
C21	44°40'31"	45.00	35.09	18.49	34.21	S 53°12'19" E
C22	18°17'51"	45.00	14.37	7.25	14.31	S 84°41'31" E
C23	24°20'28"	45.00	19.12	9.70	18.97	S 81°40'13" E
C24	15°44'10"	227.00	62.34	31.37	62.15	S 61°37'55" E
C25	03°11'38"	227.00	12.65	6.33	12.65	S 52°10'00" E

NOTES: UNLESS OTHERWISE INDICATED

SEE TYPICAL 4.5' WIDE SIDEWALK EASEMENT DETAIL FOR CUL-DE-SACS ON SHEET 2.

AC – ACRES
P.U.E. – PUBLIC UTILITY EASEMENT
RAD – RADIAL
▲ – DENOTES CENTERLINE MONUMENT.



CURVE TABLE

NO	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CHORD DIRECTION	NO	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CHORD DIRECTION
C26	90°00'00"	20.00	31.42	20.00	28.28	S 05°34'12" E	C49	90°00'00"	20.00	31.42	20.00	28.28	S 05°34'12" E
C27	90°00'00"	20.00	31.42	20.00	28.28	S 84°25'48" W	C50	03°31'52"	301.00	18.55	9.28	18.55	N 52°20'08" W
C28	07°51'04"	455.00	22.64	11.32	22.64	N 51°59'44" W	C51	07°25'41"	301.00	39.02	19.54	39.00	N 57°48'54" W
C29	05°11'00"	455.00	41.16	20.60	41.15	N 56°00'46" W	C52	07°35'35"	301.00	39.89	19.97	39.86	N 65°19'32" W
C30	05°11'00"	455.00	41.16	20.60	41.15	N 61°11'46" W	C53	07°25'41"	301.00	39.02	19.54	39.00	N 72°50'10" W
C31	05°11'00"	455.00	41.16	20.60	41.15	N 66°22'46" W	C54	07°35'35"	301.00	39.89	19.97	39.86	N 80°20'48" W
C32	05°11'00"	455.00	41.16	20.60	41.15	N 71°33'46" W	C55	05°12'11"	301.00	27.33	13.68	27.33	N 86°44'42" W
C33	05°11'00"	455.00	41.16	20.60	41.15	N 76°44'46" W	C56	05°11'00"	558.00	50.48	25.26	50.46	S 71°33'46" E
C34	05°11'00"	455.00	41.16	20.60	41.15	N 81°55'46" W	C57	05°11'00"	558.00	50.48	25.26	50.46	S 66°22'46" E
C35	03°52'15"	455.00	30.74	15.37	30.73	N 86°27'24" W	C58	05°11'00"	558.00	50.48	25.26	50.46	S 61°11'46" E
C36	52°13'51"	45.00	41.02	22.06	39.62	N 62°16'35" W	C59	05°11'00"	558.00	50.48	25.26	50.46	S 56°00'46" E
C37	87°06'08"	45.00	68.41	42.78	62.01	N 79°42'44" W	C60	02°51'04"	558.00	27.77	13.89	27.77	S 51°59'44" E
C38	74°32'08"	45.00	58.54	34.24	54.50	S 19°28'09" W	C61	03°21'19"	558.00	32.68	16.34	32.67	N 52°14'51" W
C39	43°44'35"	45.00	34.36	18.06	33.53	S 39°40'12" E	C62	04°40'45"	558.00	45.57	22.80	45.56	N 56°15'54" W
C40	39°38'10"	45.00	31.13	16.22	30.51	S 81°21'34" E	C63	03°49'48"	558.00	37.30	18.66	37.29	N 60°31'10" W
C41	12°30'35"	45.00	9.82	4.93	9.81	N 72°34'03" E	C64	05°21'26"	558.00	52.17	26.10	52.15	N 65°06'47" W
C42	24°20'27"	45.00	19.12	9.70	18.97	N 78°28'59" E	C65	06°21'46"	558.00	61.97	31.02	61.94	N 70°58'23" W
C43	05°12'11"	409.00	37.14	18.58	37.13	S 86°44'42" E	C66	07°09'56"	383.00	47.90	23.98	47.87	S 65°55'02" E
C44	07°35'35"	409.00	54.20	27.14	54.16	S 80°20'48" E	C67	09°52'35"	383.00	66.02	33.09	65.94	S 57°23'47" E
C45	07°25'41"	409.00	53.02	26.55	52.99	S 72°50'10" E	C68	01°53'17"	383.00	12.62	6.31	12.62	S 51°30'50" E
C46	07°35'35"	409.00	54.20	27.14	54.16	S 65°19'32" E	C69	23°35'04"	558.00	229.69	116.49	228.07	N 62°21'44" W
C47	07°25'41"	409.00	53.02	26.55	52.99	S 57°48'54" E	C70	90°00'00"	25.00	39.27	25.00	35.36	N 84°25'48" E
C48	03°31'52"	409.00	25.21	12.61	25.20	S 52°20'08" E	C71	5°28'26"	1047.00	100.03	50.05	99.98	N 42°06'34" E

NUMBER	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CHORD DIRECTION
C72	5°24'30"	1153.00	108.84	54.46	108.80	N 42°11'07" E

SURVEYOR'S CERTIFICATION

I, DAN B. HOLMES, NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR NO. 9243, DO HEREBY CERTIFY THAT THE PLAT SHOWN HEREON WAS PREPARED UNDER MY DIRECT SUPERVISION, SHOWS ALL EASEMENTS MADE KNOWN TO ME BY THE OWNERS AND/OR PROPRIETORS OF THE SUBDIVISION SHOWN HEREON, UTILITY COMPANIES AND OTHER PARTIES EXPRESSING AN INTEREST. THIS PLAT MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND THE "MINIMUM STANDARDS FOR LAND SURVEYS" AS ESTABLISHED BY THE STATE OF NEW MEXICO AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DAN B. HOLMES, P.S. NO. 9243 — DATE

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141

SHEET 3 OF 3

01-31-00
TOIP3.DWG

SCANNED BY MESA REPRO

City Project No.	Sheet	Of
5297.90	4	30

BUILDING SETBACKS

FRONT SETBACK – 20' TO FACE OF GARAGE
– 15' TO FACE OF STRUCTURE

SIDE YARD SETBACK – 5' (10' BETWEEN BUILDINGS)
– 10' IF ADJACENT TO STREET RIGHT-OF-WAY

REAR YARD SETBACK – 15'

GENERAL NOTES

1. THE TOLERANCES FOR ROUGH GRADING SHALL CONFORM TO THE FOLLOWING:
   BUILDING PAD ±0.1'
   STREET SUBGRADE ±0.1'
   ALL OTHER AREAS ±0.2'
2. EARTHWORK OPERATIONS AND SPECIFICATIONS SHALL CONFORM TO REQUIREMENTS CONTAINED WITHIN THE GEOTECHNICAL INVESTIGATION PROVIDED BY THE OWNER.
3. ANY RETAINING WALLS TALLER THAN 18" WILL REQUIRE A BUILDING PERMIT FROM THE CITY OF ALBUQUERQUE CODE ADMINISTRATION DIVISION.

CONSTRUCTION NOTES

1. CONSTRUCT TEMPORARY SEDIMENT POND TO THE LIMITS SHOWN PRIOR TO PAVING CASA ROJA PLACE.
1. CONTRACTOR SHALL PROVIDE EROSION CONTROL BERMS OR SILT FENCES AT THE END OF CASA ROJA PLACE PRIOR TO DEMOLITION OF THE TEMPORARY SEDIMENT POND.

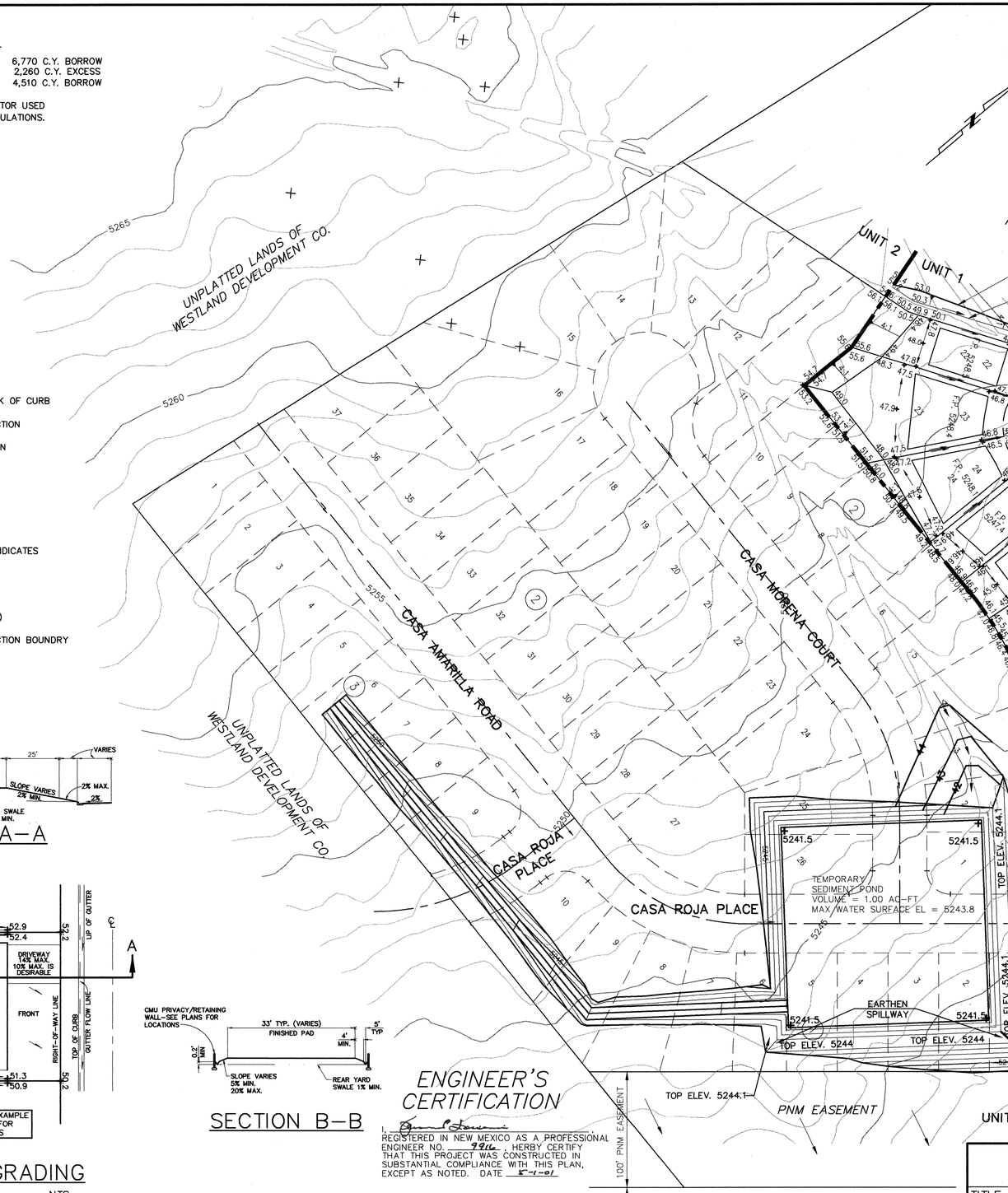
UNIT 1 EARTHWORK SUMMARY

	EXCAVATION	EMBANKMENT	
UNIT 1	18,310 C.Y.	25,080 C.Y.	6,770 C.Y. BORROW
POND	3,800 C.Y.	1,540 C.Y.	2,260 C.Y. EXCESS
UNIT 1 TOTALS	22,110 C.Y.	26,620 C.Y.	4,510 C.Y. BORROW

* 25% SHRINK FACTOR USED IN THESE CALCULATIONS.

LEGEND

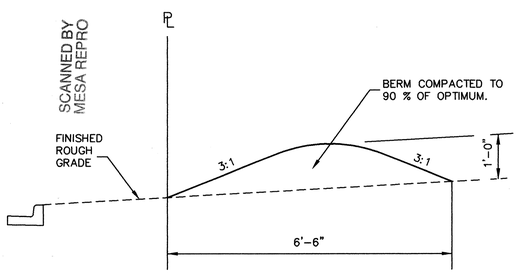
- RIGHT-OF-WAY
- BLOCK NUMBER
- LOT NUMBER
- LOT LINE
- EXISTING CONTOUR
- FINISH CONTOUR
- FLOW ARROW
- TOP OF 4:1 SLOPE, UNLESS OTHERWISE SHOWN
- TOE OF SLOPE
- FINISH GRADE ELEVATION
- FINISH GRADE AT TOP BACK OF CURB
- GUTTER FLOWLINE INTERSECTION
- GUTTER FLOWLINE ELEVATION
- CURB LINE
- BUILDING PAD
- NATURAL GROUND
- SHEET BREAK
- RETAINING STRUCTURE – INDICATES DIFFERENTIAL ELEVATION GREATER THAN 1.5'
- WATER BLOCK
- UNIT 2 LOT LINES (FUTURE)
- "UNIT 1/UNIT 2" CONSTRUCTION BOUNDRY



EROSION CONTROL

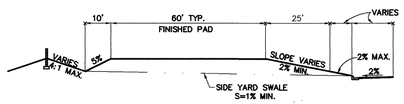
EROSION CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO THE START OF CONSTRUCTION.
2. 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.
3. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE CONSTRUCTION SITE ONTO ADJACENT PUBLIC OR PRIVATE LANDS OR ONTO A PUBLIC RIGHT-OF-WAY. THIS RESULT MAY BE ACHIEVED BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS PER THE DETAIL ON THIS SHEET AND BY WETTING THE SOIL TO PREVENT IT FROM BLOWING.
4. EROSION CONTROL BERMS PER THE DETAIL ON THIS SHEET ARE REQUIRED AROUND THE ENTIRE SITE. BERMS AND SEDIMENT POND MUST BE IN PLACE AND ENGINEER CERTIFIED PRIOR TO BUILDING PERMIT RELEASE.
5. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO THE PUBLIC RIGHT-OF-WAY.
6. THE CONTRACTOR SHALL RESEED ALL DISTURBED SOILS OUTSIDE PLATTED LOTS AS SOON AS GRADING IS COMPLETED. RESEEDING TYPE SHALL MATCH EXISTING VEGITATION IN CONTENT AND DENSITY PER CITY OF ALBUQUERQUE STANDARD SPECIFICATION SECTION 1012.

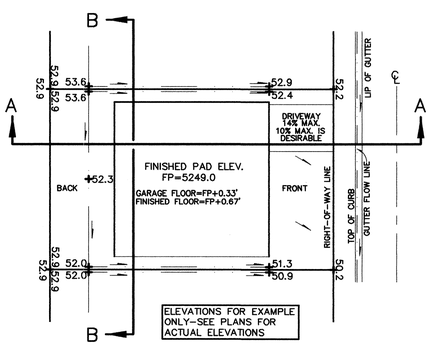


EROSION CONTROL BERM DETAIL

NTS



SECTION A–A



TYPICAL LOT GRADING

NTS

SECTION B–B

ENGINEER'S CERTIFICATION

I, _____ REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 7896, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 8-1-01

APPROVED FOR FINAL GRADING

NAME DATE

ABBREVIATIONS

@	AT	L.F.	LINEAL FEET
B.M.	BENCH MARK	M.H.	MANHOLE
C.& G.	CURB AND GUTTER	N.G.	NATURAL GROUND
C.F.	CURB FACE	O.C.	ON CENTER
EL., ELEV.	ELEVATION	P., PT.	POINT
EX., EXIST.	EXISTING	P.I.	POINT OF INTERSECTION
F-F	GUTTER FLOWLINE TO FLOWLINE DIMENSION	PVM'T.	PAVEMENT
		R/W	RIGHT-OF-WAY
F.P.	FINISHED PAD	SAS	SANITARY SEWER
FL	FLOWLINE	SD	STORM DRAIN
G.B.	GRADE BREAK	S.	SLOPE
INT.	INTERSECTION	T.C.	TOP BACK OF CURB
INV. EL.	INVERT ELEVATION	T.P.	TOP OF PAVEMENT
L.	LENGTH	T.W.	TOP OF WALL

5-6.DWG
1-15-95

AS BUILT INFORMATION
CONTRACTOR Melendrez Grade & DATE
WORK STAKED BY Matt Zelers DATE 7-01
INSPECTOR'S ACCEPTANCE BY Jesse Baca DATE 7-01
FIELD VERIFICATION BY Bill Mecklenburg DATE 3-01
DRAWINGS CORRECTED BY Matt Zelers DATE 8-1-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
C.O.A. w/ ms 9-21-01

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
LAWRENCE D. READ
NEW MEXICO
10098
REGISTERED PROFESSIONAL ENGINEER
7/18/01

NO.	DATE	REMARKS	BY
		REVISIONS	

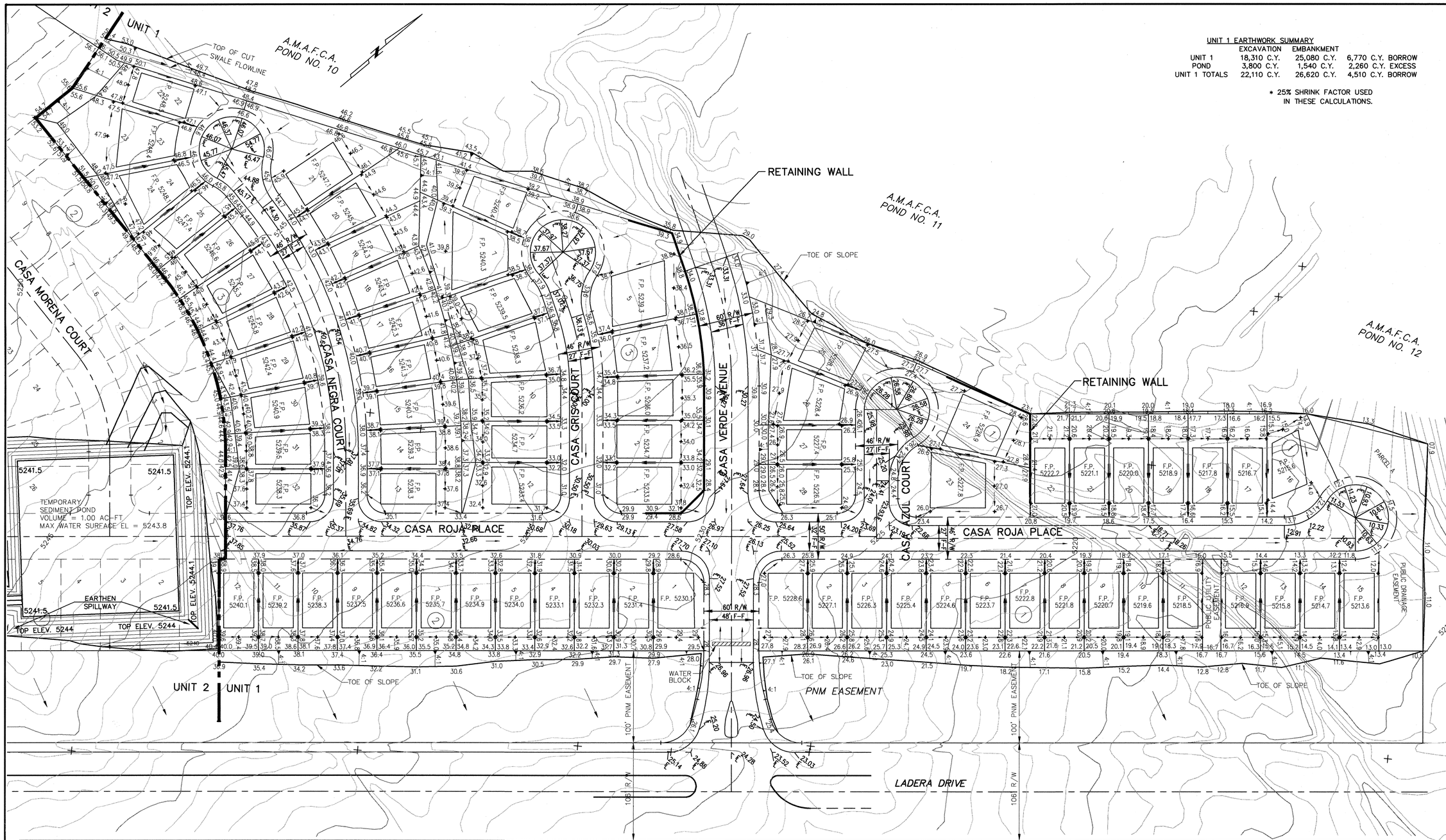
DESIGNED DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TIERRA OESTE LIMITED CO.
GRADING PLAN & EROSION CONTROL
TIERRA OESTE UNIT I

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev.	Approved		DES		
Utility Dev.					

DRAWING NO.	MAP NO.	SHEET	OF
5297.90	H-9&J-9	5	30 ~~29~~



UNIT 1 EARTHWORK SUMMARY

	EXCAVATION	EMBANKMENT	
UNIT 1	18,310 C.Y.	25,080 C.Y.	6,770 C.Y. BORROW
POND	3,800 C.Y.	1,540 C.Y.	2,260 C.Y. EXCESS
UNIT 1 TOTALS	22,110 C.Y.	26,620 C.Y.	4,510 C.Y. BORROW

* 25% SHRINK FACTOR USED IN THESE CALCULATIONS.

AS BUILT INFORMATION
CONTRACTOR Mckandy Concrete
WORK STAKED BY Mike Zelaya DATE
INSPECTOR'S CHECK BY Peter Garcia DATE 4-01
FIELD VERIFICATION BY Jacob Baca DATE 3-01
DRAWINGS CORRECTED BY Mike Zelaya DATE 3-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
C.O.A. W.M.S. 9-21-01

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40" AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
LAWRENCE D. READ
NEW MEXICO
10998
REGISTERED PROFESSIONAL ENGINEER
9/21/01

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED DATE
DRAWN BY DATE
CHECKED BY DATE

SEE EROSION CONTROL NOTES ON SHT. 5

APPROVED FOR FINAL GRADING

NAME DATE

ENGINEER'S CERTIFICATION

I, _____, REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-6-01

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

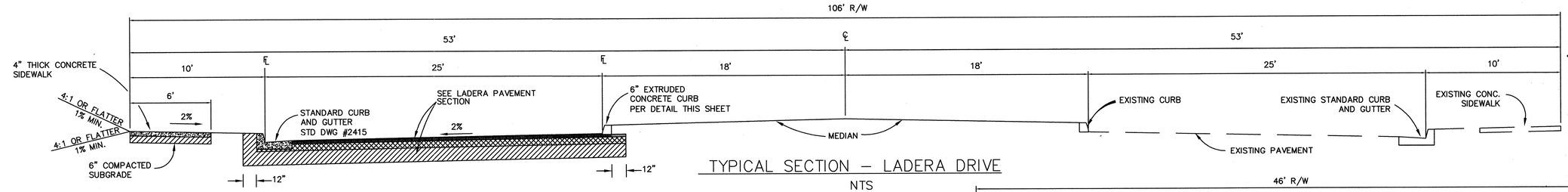
TITLE: TIERRA OESTE LIMITED CO.
GRADING PLAN & EROSION CONTROL
TIERRA OESTE UNIT I

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev.	APPROVED			DRC	
Utility Dev.					

DRAWING NO.	MAP NO.	SHEET	OF
5297.90	H-9&J-9	6	30 ~~29~~

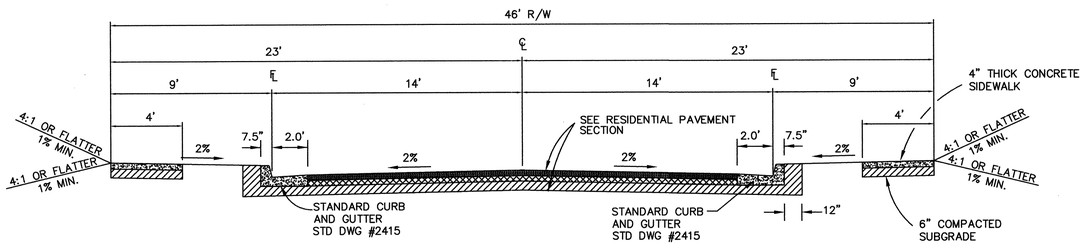
SCANNED BY MESA REPRO

5-6.DWG
1-15-96



TYPICAL SECTION – LADERA DRIVE

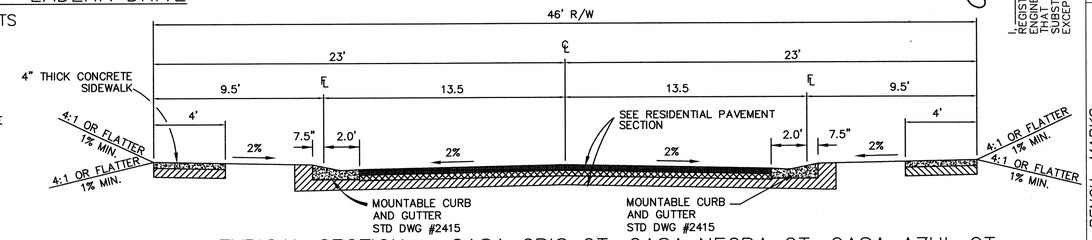
NTS



TYPICAL SECTION – CASA ROJA PLACE

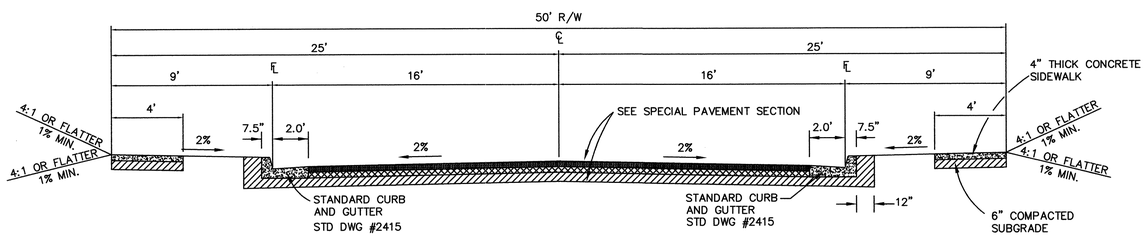
STA. 10+00.00 TO STA. 15+21.33

NTS



TYPICAL SECTION – CASA GRIS CT, CASA NEGRA CT, CASA AZUL CT

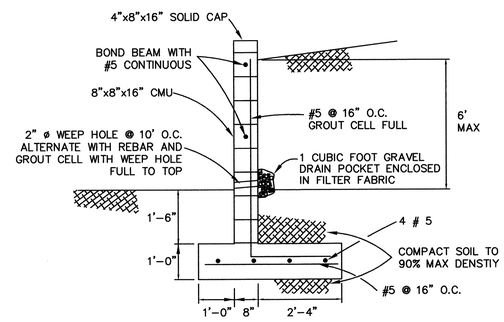
NTS



TYPICAL SECTION – CASA ROJA PLACE

STA. 18+63.89 TO STA. 25+72.89

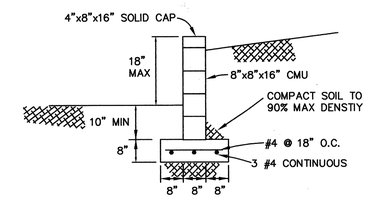
NTS



* USE WHEN GROUND ELEVATION DIFFERENTIAL IS BETWEEN 18" AND 6'-0".

CMU RETAINING WALL*

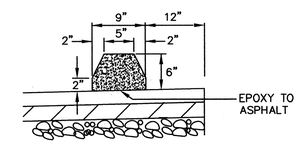
NTS



** USE WHEN GROUND ELEVATION DIFFERENTIAL IS LESS THAN 18".

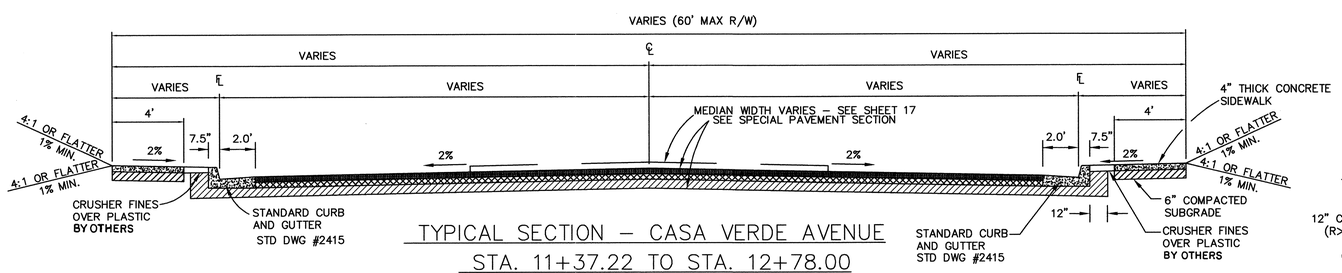
CMU GARDEN WALL **

NTS



6" EXTRUDED CONCRETE CURB

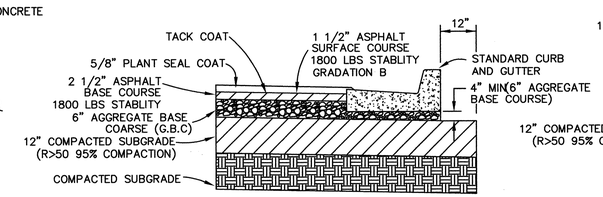
NTS



TYPICAL SECTION – CASA VERDE AVENUE

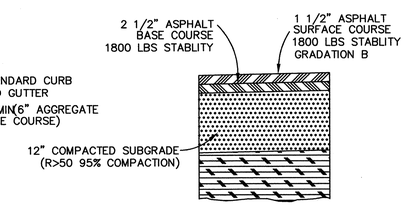
STA. 11+37.22 TO STA. 12+78.00

NTS



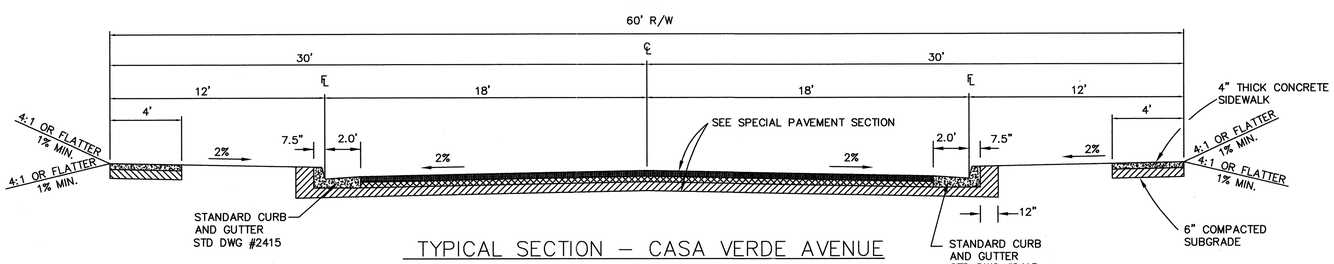
LADERA DRIVE PAVEMENT SECTION

NTS



SPECIAL PAVEMENT SECTION

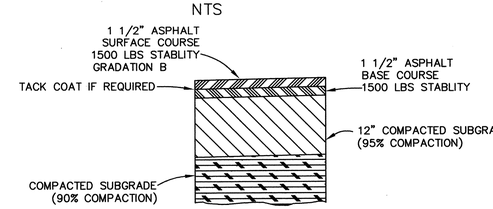
NTS



TYPICAL SECTION – CASA VERDE AVENUE

STA. 6+99.55 TO STA. 11+37.22

NTS



RESIDENTIAL PAVEMENT SECTION

STD. DRAWING NO. 2405

NTS

ENGINEER'S CERTIFICATION

I, REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. , HEREBY CERTIFY THAT THE PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE

AS BUILT INFORMATION

CONTRACTOR McLeody Contrack G. DATE
WORK STAKED BY Hunt Zollars DATE
INSPECTOR'S ACCEPTANCE BY Jeff Sayer DATE 4-01
FIELD VERIFICATION BY Jesse Rose DATE 3-01
DRAWINGS CORRECTED BY Hunt Zollars DATE 5-1-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RUSSELL G. GRAYSON NEW MEXICO 14237 REGISTERED PROFESSIONAL ENGINEER
1/3/00

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED	WLB	DATE 2MAY96
DRAWN BY	GMA	DATE 2MAY96
CHECKED BY	RGG	DATE 2DEC99

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
TYPICAL SECTIONS AND RETAINING WALLS DETAILS
TIERRA OESTE UNIT 1

APPROVALS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
FEB 27 2000 (DESIGN REVIEW COMMITTEE)	AUG 16 2000 (CITY ENGINEER)	Last Design Update	

City Project No.	Zone Map No.	Sheet	Of
5297.90	J-9-Z	7	30

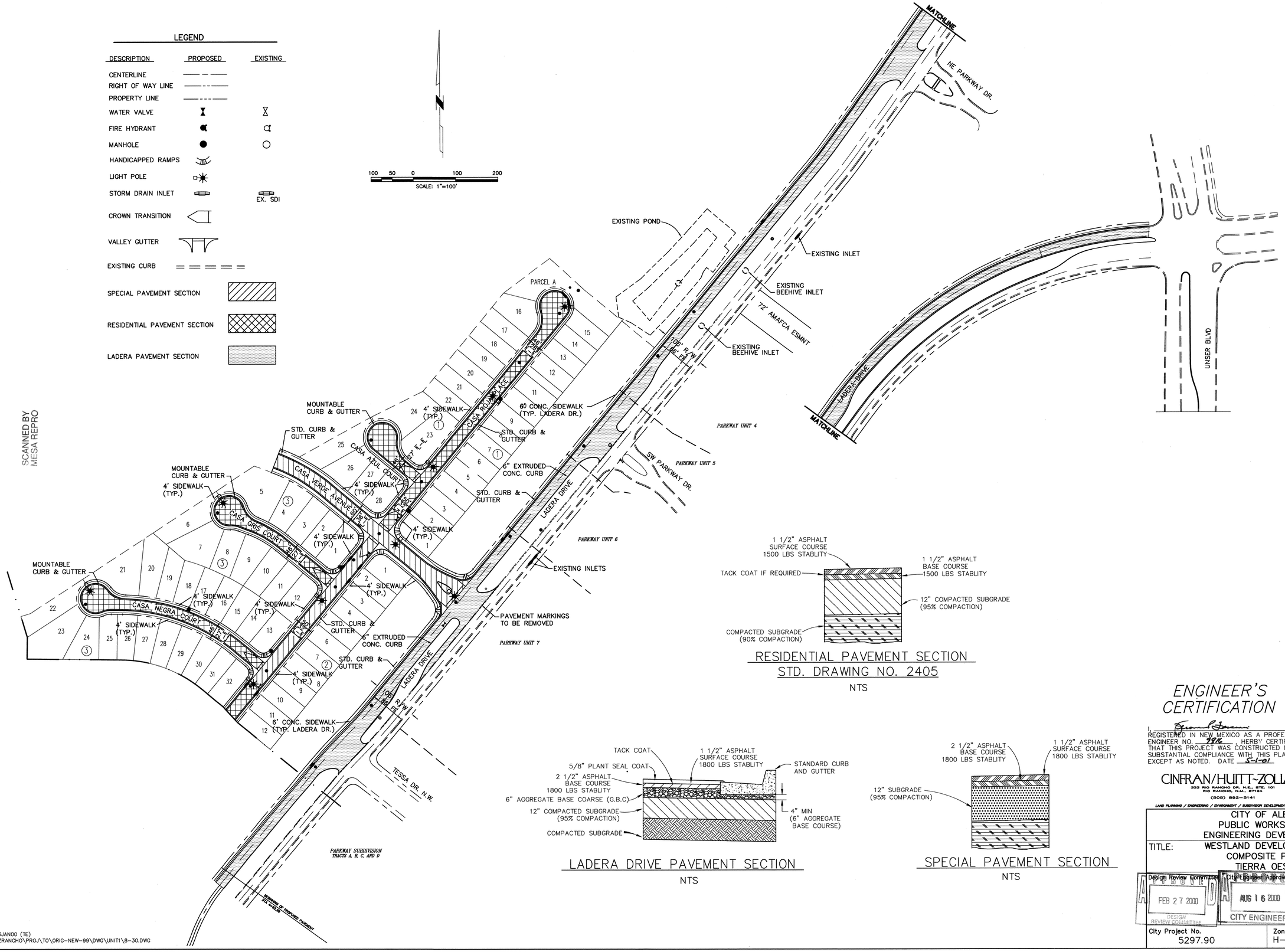
SCANNED BY MESA REPRO

03JAN00 (TE)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\7-30.DWG

LEGEND

DESCRIPTION	PROPOSED	EXISTING
CENTERLINE		
RIGHT OF WAY LINE		
PROPERTY LINE		
WATER VALVE		
FIRE HYDRANT		
MANHOLE		
HANDICAPPED RAMPS		
LIGHT POLE		
STORM DRAIN INLET		EX. SDI
CROWN TRANSITION		
VALLEY GUTTER		
EXISTING CURB		
SPECIAL PAVEMENT SECTION		
RESIDENTIAL PAVEMENT SECTION		
LADERA PAVEMENT SECTION		

SCALE: 1"=100'



RESIDENTIAL PAVEMENT SECTION
STD. DRAWING NO. 2405
NTS

LADERA DRIVE PAVEMENT SECTION
NTS

SPECIAL PAVEMENT SECTION
NTS

ENGINEER'S CERTIFICATION

I, _____, REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 7326, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
COMPOSITE PAVING PLAN
TIERRA OESTE UNIT 1

Design Review Committee: APPROVED FEB 27 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG 16 2000 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	H-9&J-9	8	30

AS BUILT INFORMATION

CONTRACTOR NAME & ADDRESS: Hoff Zollars Grade & Pave — DATE
WORK STAKED BY: Hoff Zollars — DATE
INSPECTOR'S ACCEPTANCE: Bob Rodriguez — DATE 4-01
FIELD VERIFICATION BY: Jesse Baca — DATE 3-01
DRAWINGS CORRECTED BY: Hoff Zollars — DATE 5-1-01
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "BH-40"
LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

ENGINEER'S SEAL

RUSSELL G. GRAYSON, NEW MEXICO, (4237), REGISTERED PROFESSIONAL ENGINEER — 1/3/00

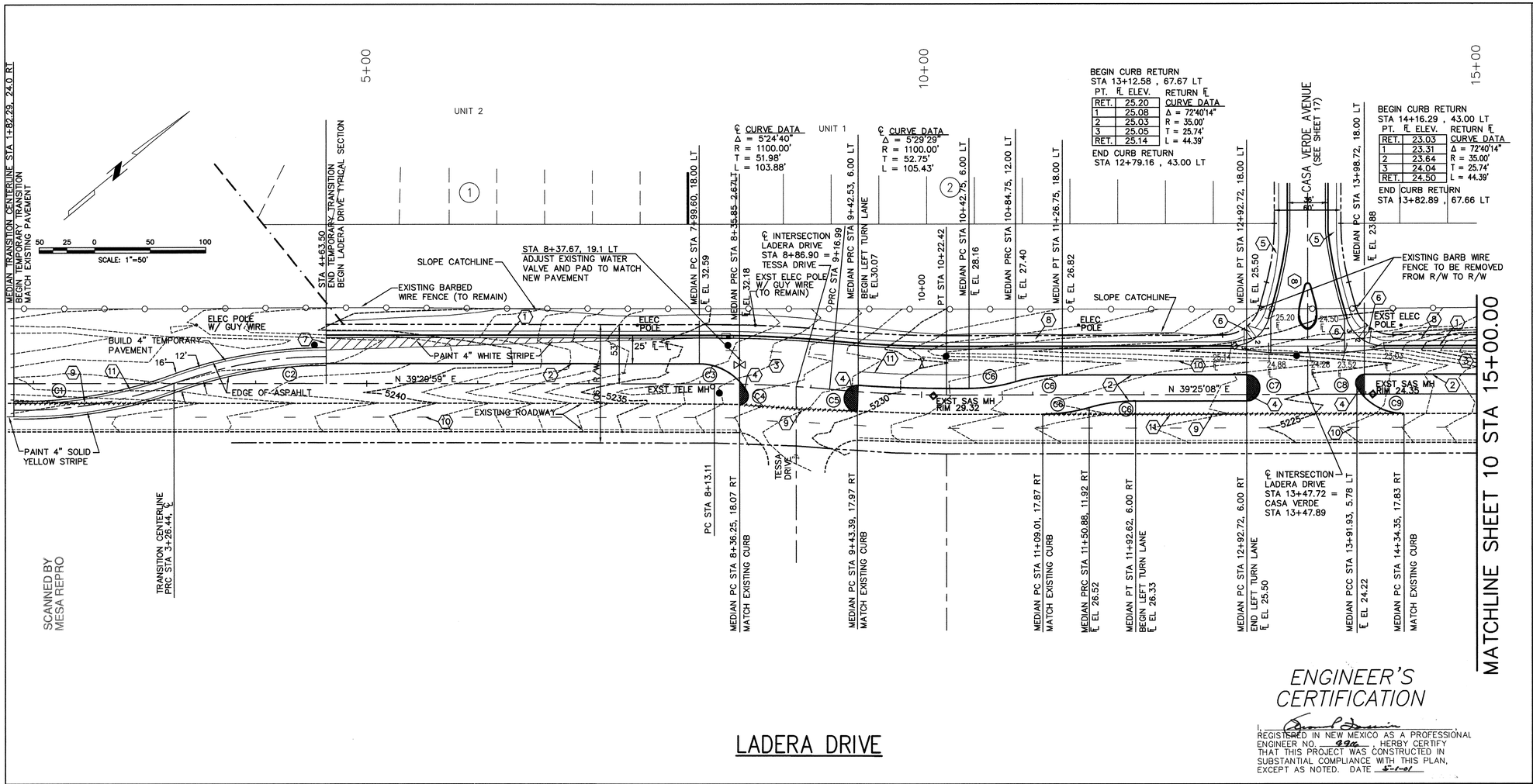
REVISIONS

NO.	DATE	REMARKS	BY

		DATE	BY
DESIGNED	WLB	2MAY96	
DRAWN BY	GMA	2MAY96	
CHECKED BY	RGG	2DEC99	

SCANNED BY MESA REPRO

03JAN00 (TE)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\8-30.DWG



BEGIN CURB RETURN
STA 13+12.58 , 67.67 LT

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	25.20	Δ = 72°40'14"
1	25.08	R = 35.00'
2	25.03	T = 25.74'
3	25.05	L = 44.39'
RET.	25.14	

END CURB RETURN
STA 12+79.16 , 43.00 LT

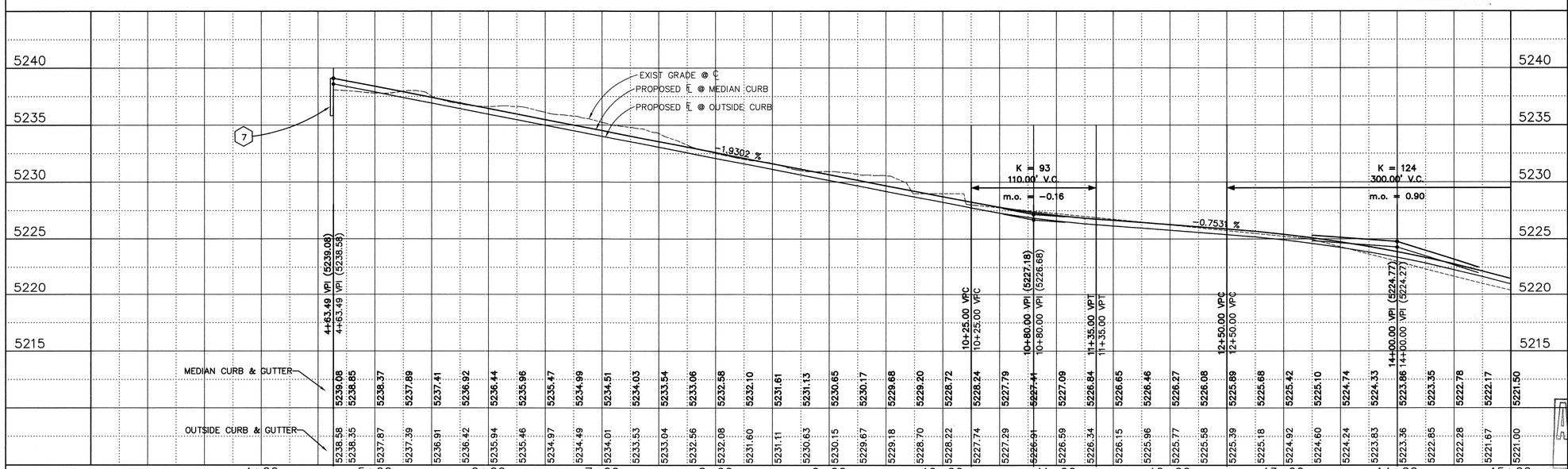
BEGIN CURB RETURN
STA 14+16.29 , 43.00 LT

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	23.03	Δ = 72°40'14"
1	23.31	R = 35.00'
2	23.64	T = 25.74'
3	24.04	L = 44.39'
RET.	24.50	

END CURB RETURN
STA 13+82.89 , 67.66 LT

ENGINEER'S CERTIFICATION

I _____ REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9966 , HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-00



NOTES

SEE ROADWAY TYPICAL SECTIONS AND PAVEMENT SECTION ON SHEET 7.

BUILD NOTES

1. BUILD STANDARD CURB AND GUTTER PER C.O.A. DWG #2415.
2. BUILD 6" EXTRUDED CONCRETE MEDIAN CURB PER DETAIL SHEET 7
3. BUILD LADERA PAVEMENT SECTION PER DETAIL ON SHEET 7.
4. FILL MEDIAN NOSE W/ 4" CONCRETE PER C.O.A. DWG. # 2408 & # 2502 PAINT NOSE YELLOW – TYP.
5. BUILD 4' WIDE CONCRETE SIDEWALK PER C.O.A. DWG #2430
6. BUILD WHEEL CHAIR RAMP PER DETAIL SHEET 30
7. BUILD CUT-OFF WALL PER C.O.A. DWG #2415.
8. BUILD 6' WIDE CONCRETE SIDEWALK THIS CONTRACT PER C.O.A. DWG #2430.
9. REMOVE AND DISPOSE EXISTING CONCRETE CURB
10. PLASTIC 4" DASHED WHITE STRIPE (10' STRIPE, 30' SKIP)
11. PLASTIC 4" SOLID WHITE STRIPE

(C1) ℄ CURVE DATA
Δ = 21°02'12"
R = 400.00'
T = 74.27'
L = 146.86'

(C2) ℄ CURVE DATA
Δ = 19°57'41"
R = 400.00'
T = 70.39'
L = 139.36'

(C3) ℄ CURVE DATA
Δ = 59°42'10"
R = 50.00'
T = 28.69'
L = 52.10'

(C4) ℄ CURVE DATA
Δ = 120°13'39"
R = 8.00'
T = 13.92'
L = 16.79'

(C5) ℄ CURVE DATA
Δ = 184°08'56"
R = 12.00'
T = –
L = 38.57'

(C6) ℄ CURVE DATA
Δ = 16°15'41"
R = 150.00'
T = 21.43'
L = 42.57'

(C7) ℄ CURVE DATA
Δ = 180°00'00"
R = 12.00'
T = –
L = 37.70'

(C8) ℄ CURVE DATA
Δ = 121°52'46"
R = 8.00'
T = 14.40'
L = 17.02'

(C9) ℄ CURVE DATA
Δ = 58°05'04"
R = 50.00'
T = 27.76'
L = 50.69'

SCANNED BY
MESA REPRO

AS BUILT INFORMATION
CONTRACTOR Mendez Grant
WORK STAKED BY
INSPECTOR
ACCEPTANCE BY J.P. Fossner DATE 4-01
FIELD VERIFICATION BY Jesse Baca DATE 3-01
DRAWINGS CORRECTED BY Hutt Zollars DATE 5-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
RUSSELL G. GRAYSON NEW MEXICO 14237 REGISTERED PROFESSIONAL ENGINEER
1/27/00

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED	WLB	2MAY96
DRAWN BY	GMA	2MAY96
CHECKED BY	RGG	20EC99

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

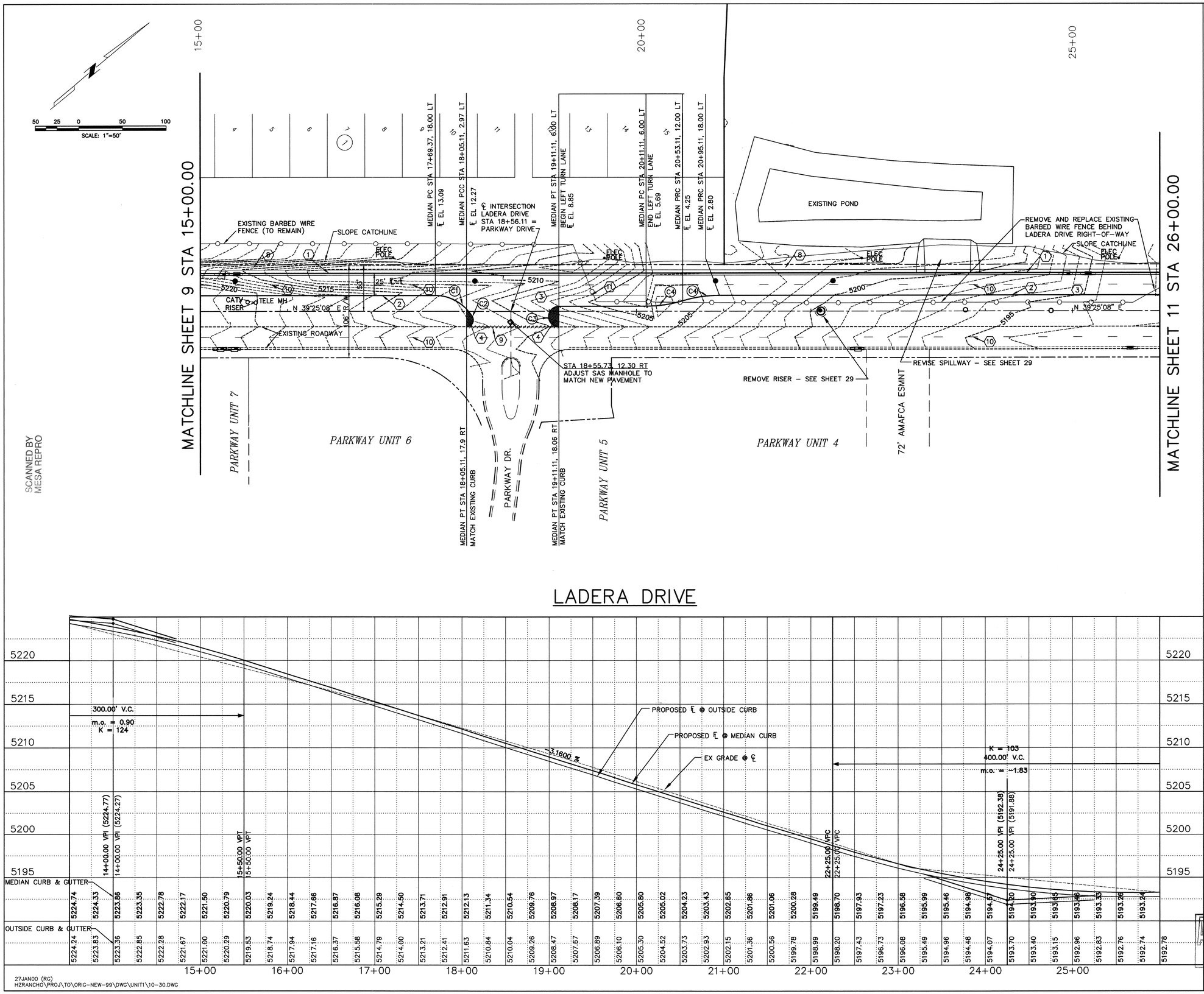
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
PAVING PLAN AND PROFILE – LADERA DRIVE
TIERRA OESTE UNIT 1

Design Review Committee: APPROVED FEB 27 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: AUG 16 2000 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	J-9-Z	9	30

27JAN00 (RG)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\9-30.DWG



SCANNED BY MESA REPRO

27JAN00 (RG)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\10-30.DWG

NOTES

SEE ROADWAY TYPICAL SECTIONS AND PAVEMENT SECTION ON SHEET 7.

BUILD NOTES

1. BUILD STANDARD CURB AND GUTTER PER C.O.A. DWG #2415.
2. BUILD 6" EXTRUDED CONCRETE MEDIAN CURB PER DETAIL SHEET 7
3. BUILD LADERA PAVEMENT SECTION PER DETAIL ON SHEET 7.
4. FILL MEDIAN NOSE W/ 4" CONCRETE PER C.O.A. DWG. # 2408 & # 2502 PAINT NOSE YELLOW – TYP.
8. BUILD 6' WIDE CONCRETE SIDEWALK THIS CONTRACT PER C.O.A. DWG #2430.
9. REMOVE AND DISPOSE EXISTING CONCRETE CURB
10. PLASTIC 4" DASHED WHITE STRIPE (10' STRIPE, 30' SKIP)
11. PLASTIC 4" SOLID WHITE STRIPE

(C1) ℄ CURVE DATA
Δ = 58°18'30"
R = 50.00'
T = 27.89'
L = 50.88'

(C2) ℄ CURVE DATA
Δ = 121°41'30"
R = 8.00'
T = 14.34'
L = 16.99'

(C3) ℄ CURVE DATA
Δ = 180°00'00"
R = 12.00'
T = –
L = 37.70'

(C4) ℄ CURVE DATA
Δ = 16°15'37"
R = 150.00'
T = 21.43'
L = 42.57'

AS BUILT INFORMATION
CONTRACTOR – Mahaffey Gaskin
WORK STAKED BY Hutt Zollars DATE
INSPECTION BY Jack Bass DATE 3-01
ACCEPTANCE BY Hutt Zollars DATE 4-01
FIELD VERIFICATION BY Bill Wolf DATE
DRAWINGS CORRECTED BY Hutt Zollars DATE 5-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40"
LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RUSSELL G. GRAYSON NEW MEXICO 14237 REGISTERED PROFESSIONAL ENGINEER
1/27/00

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED	WLB	2MAY96
DRAWN BY	GMA	2MAY96
CHECKED BY	RGG	20EC99

ENGINEER'S CERTIFICATION

I, [signature], REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

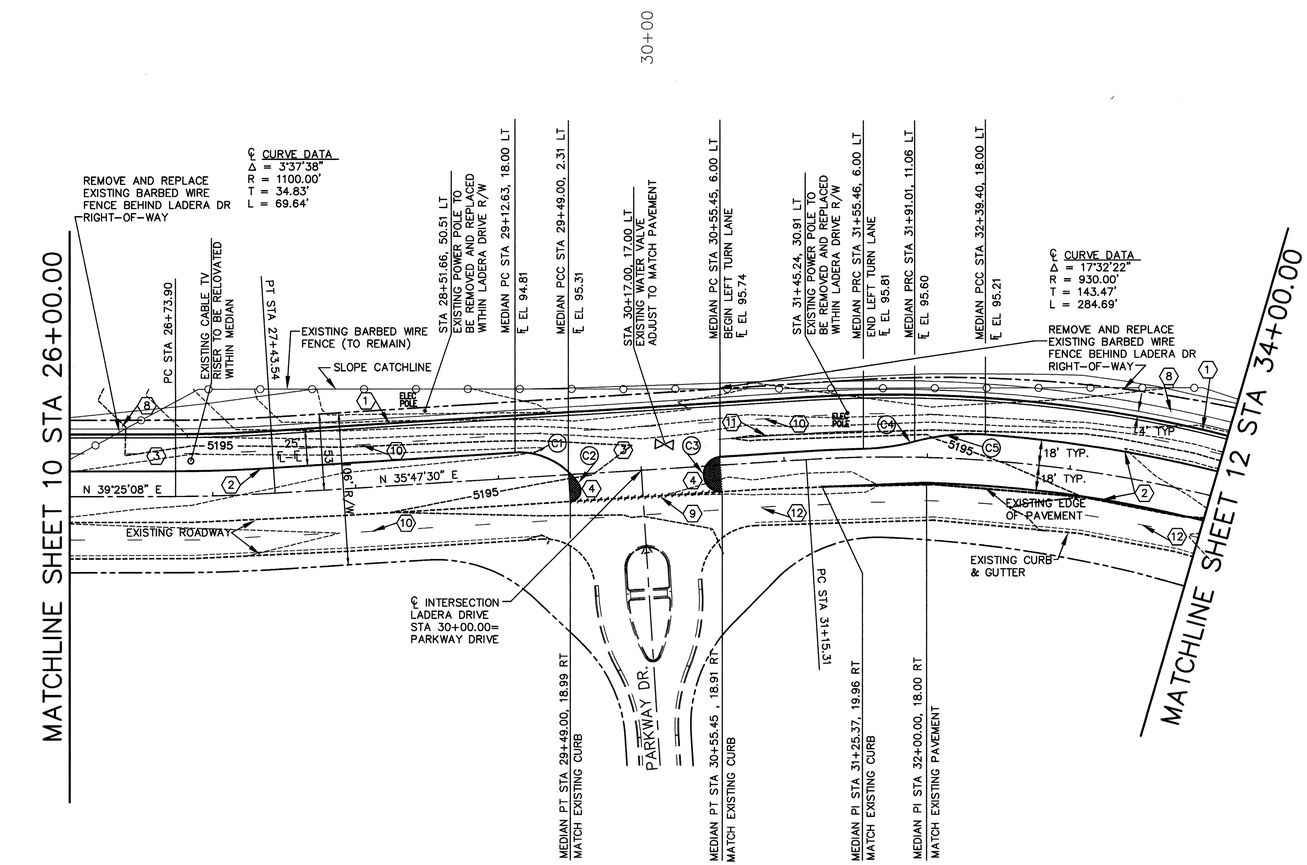
CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

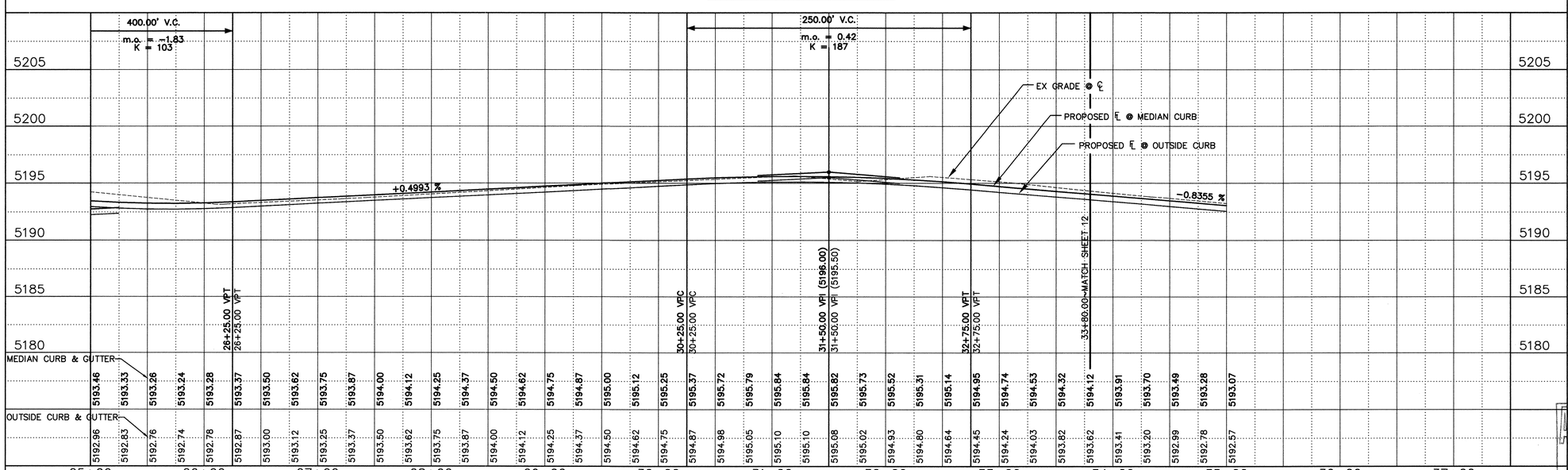
TITLE: WESTLAND DEVELOPMENT CO., INC.
PAVING PLAN AND PROFILE – LADERA DRIVE
TIERRA OESTE UNIT 1

Design Review Committee – City Engineer Approval
APPROVED FEB 27 2000 DESIGN REVIEW COMMITTEE
APPROVED AUG 16 2000 CITY ENGINEER
Last Design Update Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	J-9-Z	10	30



LADERA DRIVE



03JAN00 (TE)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\11-30.DWG

NOTES

SEE ROADWAY TYPICAL SECTIONS AND PAVEMENT SECTION ON SHEET 7.

BUILD NOTES

1. BUILD STANDARD CURB AND GUTTER PER C.O.A. DWG #2415.
2. BUILD 6" EXTRUDED CONCRETE MEDIAN CURB PER DETAIL SHEET 7
3. BUILD LADERA PAVEMENT SECTION PER DETAIL ON SHEET 7.
4. FILL MEDIAN NOSE W/ 4" CONCRETE PER C.O.A. DWG. # 2408 & # 2502 PAINT NOSE YELLOW – TYP.
8. BUILD 6' WIDE CONCRETE SIDEWALK THIS CONTRACT PER C.O.A. DWG #2430.
9. REMOVE AND DISPOSE EXISTING CONCRETE CURB
10. PAINT 4" DASHED WHITE STRIPE (10' STRIPE, 30' SKIP)
11. PLASTIC 4" SOLID WHITE STRIPE
12. REMOVE EXISTING STRIPING AND REFLECTORS AND PLASTIC 4" DASHED WHITE STRIPE (10' STRIPE, 30' SKIP)

(C1) ℄ CURVE DATA
Δ = 59°59'29"
R = 50.00'
T = 28.86'
L = 52.35'

(C2) ℄ CURVE DATA
Δ = 59°59'29"
R = 50.00'
T = 28.86'
L = 52.35'

(C3) ℄ CURVE DATA
Δ = 180°00'00"
R = 12.45'
T = –
L = 39.12'

(C4) ℄ CURVE DATA
Δ = 13°52'24"
R = 150.00'
T = 18.25'
L = 36.32'

(C5) ℄ CURVE DATA
Δ = 19°02'42"
R = 150.00'
T = 25.16'
L = 49.86'

AS BUILT INFORMATION

CONTRACTOR Melendez Gonzales — DATE
WORK STAKED BY Hutt Zollars — DATE 4-01
INSPECTOR'S ACCEPTANCE BY Jim Beck — DATE 3-01
FIELD VERIFICATION BY Bill McCall — DATE 5-01
DRAWINGS CORRECTED BY Hutt Zollars — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RUSSELL G. GRATSON NEW MEXICO (14237) REGISTERED PROFESSIONAL ENGINEER
1/27/00

ENGINEER'S CERTIFICATION

I, Russell Gratson REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

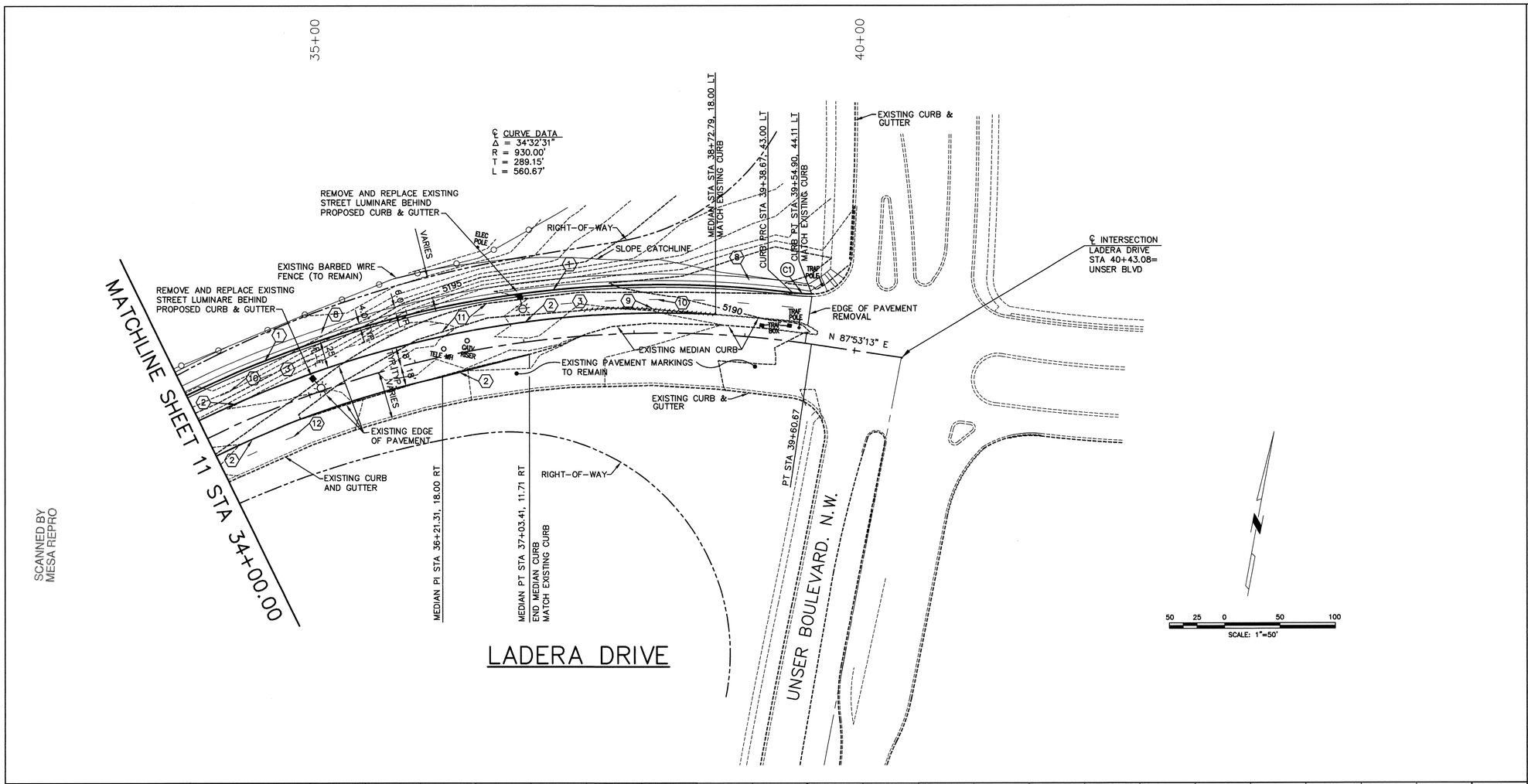
		DATE
DESIGNED	WLB	2MAY96
DRAWN BY	GMA	2MAY96
CHECKED BY	RGG	20EC99

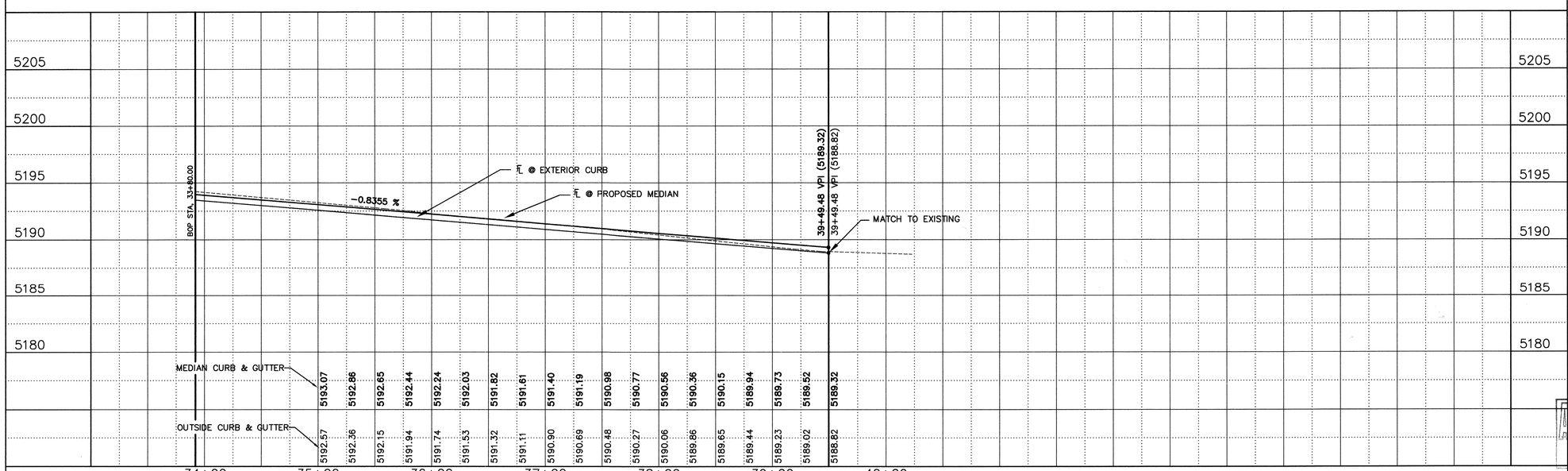
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
PAVING PLAN AND PROFILE – LADERA DRIVE
TIERRA OESTE UNIT 1

Design Review Committee: APPROVED FEB 27 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: AUG 16 2000 CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	J-9-Z	11	30





27JAN00 (RG)
H:\RANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\12-30.DWG

SCANNED BY MESA REPRO

NOTES

1. SEE ROADWAY TYPICAL SECTIONS AND PAVEMENT SECTION ON SHEET 7.
2. SEE SHEET 13 FOR INTERSECTION PAVEMENT MARKING DETAILS.

BUILD NOTES

1. BUILD STANDARD CURB AND GUTTER PER C.O.A. DWG #2415.
2. BUILD 6" EXTRUDED CONCRETE MEDIAN CURB PER DETAIL SHEET 7
3. BUILD LADERA PAVEMENT SECTION PER DETAIL ON SHEET 7.
8. BUILD 6' WIDE CONCRETE SIDEWALK THIS CONTRACT PER C.O.A. DWG #2430.
9. REMOVE AND DISPOSE EXISTING CONCRETE CURB
10. PLASTIC 4" DASHED WHITE STRIPE (10' STRIPE, 30' SKIP)
11. REMOVE AND DISPOSE EXISTING PAVEMENT
12. REMOVE EXISTING STRIPING AND REFLECTORS AND PLASTIC 4" DASHED WHITE STRIPE (10' STRIPE, 30' SKIP)

C1 ℄ CURVE DATA
Δ = 6°30'26"
R = 150.00'
T = 8.53'
L = 17.04'

AS BUILT INFORMATION

CONTRACTOR Mabrey Concrete
WORK STAKED BY Huitt Zollars DATE
INSPECTOR'S ACCEPTANCE BY Huitt Zollars DATE 4-01
FIELD VERIFICATION BY Blue Book DATE 8-01
DRAWINGS CORRECTED BY Huitt Zollars DATE 5-01

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "3-H10"
LOCATED NORTHEAST OF THE INTER-SECTION OF UNSER BLVD. & LADERA DR. THE STATION MARK IS A STANDARD ACS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY.
ELEVATION = 5193.38

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RUSSELL G. GRAYSON NEW MEXICO 14037 REGISTERED PROFESSIONAL ENGINEER
1/27/00

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

		DATE
DESIGNED	WLB	2MAY96
DRAWN BY	GMA	2MAY96
CHECKED BY	RGG	20EC99

ENGINEER'S CERTIFICATION

I, [signature], REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 5916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
PAVING PLAN AND PROFILE – LADERA DRIVE
TIERRA OESTE UNIT 1

APPROVED
Design Review Committee: FEB 27 2000 — REVIEW COMMITTEE
City Engineer Approval: AUG 16 2000 — CITY ENGINEER

DRB Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	H-9&J-9	12	30

03JAN00 (TE)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\13-30.DWG

KEYED NOTES

1. REFLECTORIZED WHITE PLASTIC PAVEMENT MARKING, 4", SOLID
2. REMOVE 4" REFLECTORIZED WHITE PLASTIC PAVEMENT MARKING
3. REFLECTORIZED WHITE PLASTIC PAVEMENT MARKING, 4", DASHED
4. PLASTIC 4", WHITE, DASHED REFLECTIVE LANE DELINEATOR
6. REFLECTORIZED PLASTIC ARROW THRU
7. REFLECTORIZED PLASTIC ARROW LEFT
9. REFLECTORIZED PLASTIC WORD ONLY

LEGEND

	EXISTING	PROPOSED
PULLBOX	PB	PB
SIGNAL	TL	TL

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

AS BUILT INFORMATION

CONTRACTOR Melendez Concrete Co.
WORK STAKED BY Huitt Zollars DATE
INSPECTOR'S ACCEPTANCE BY Jeff Zellner DATE 4-01
FIELD VERIFICATION BY Jack Baca DATE 5-01
DRAWINGS CORRECTED BY Bill McCall DATE 5-01
Huitt Zollars DATE

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "3-H10"
LOCATED NORTHEAST OF THE INTER-SECTION OF UNSER BLVD. & LADERA DR. THE STATION MARK IS A STANDARD ACS CAP SET FLUSH IN THE CONCRETE SURFACE OF THE SPILLWAY.
ELEVATION = 5193.38

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RUSSELL G. GRAYSON, NEW MEXICO, 14237, REGISTERED PROFESSIONAL ENGINEER
1/3/00

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED	BLB	2MAY96
DRAWN BY	BLB	2MAY96
CHECKED BY	RGG	2DEC99

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
TRAFFIC SIGNAL RELOCATION
TIERRA OESTE UNIT 1

Design Review Committee: N/A
City Engineer Approval
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	H-9-Z	13	30

BEGIN CURB RETURN
STA. 19+56.39, 16.00' LT.

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	35.69	Δ = 90°00'00"
1	35.58	R = 25.00'
2	35.58	T = 25.00'
3	35.67	L = 39.27'
RET.	35.87	

END CURB RETURN
STA. 19+81.39, 41.00' LT.

BEGIN CURB RETURN
STA. 20+08.39, 41.00' LT.

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	34.32	Δ = 90°00'00"
1	34.59	R = 25.00'
2	34.91	T = 25.00'
3	35.28	L = 39.27'
RET.	35.69	

END CURB RETURN
STA. 20+33.39, 16.00' LT.

BEGIN CURB RETURN
STA. 22+13.39, 16.00' LT.

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	30.50	Δ = 90°00'00"
1	30.39	R = 25.00'
2	30.39	T = 25.00'
3	30.48	L = 39.27'
RET.	30.68	

END CURB RETURN
STA. 22+38.39, 41.00' LT.

BEGIN CURB RETURN
STA. 22+65.39, 41.00' LT.

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	29.13	Δ = 90°00'00"
1	29.40	R = 25.00'
2	29.72	T = 25.00'
3	30.09	L = 39.27'
RET.	30.50	

END CURB RETURN
STA. 22+90.39, 16.00' LT.

BEGIN CURB RETURN
STA. 23+66.89, 16.00' LT.

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	26.41	Δ = 90°00'00"
1	26.41	R = 30.00'
2	26.50	T = 30.00'
3	26.68	L = 47.12'
RET.	26.94	

END CURB RETURN
STA. 23+96.89, 46.00' LT.

BEGIN CURB RETURN
STA. 25+59.39, 41.00' LT.

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	24.01	Δ = 90°00'00"
1	23.90	R = 25.00'
2	23.90	T = 25.00'
3	24.00	L = 39.27'
RET.	24.20	

END CURB RETURN
STA. 25+34.39, 16.00' LT.

BEGIN CURB RETURN
STA. 10+13.50, 39.00' LT.

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	22.68	Δ = 90°00'00"
1	22.95	R = 25.00'
2	23.25	T = 25.00'
3	23.57	L = 39.27'
RET.	23.93	

END CURB RETURN
STA. 10+38.50, 14.00' LT.

BEGIN CURB RETURN
STA. 24+32.89, 46.00' LT.

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	25.00	Δ = 90°00'00"
1	25.27	R = 30.00'
2	25.48	T = 30.00'
3	25.63	L = 47.12'
RET.	25.72	

END CURB RETURN
STA. 24+62.89, 16.00' LT.

BEGIN CURB RETURN
STA. 23+66.89, 16.00' RT.

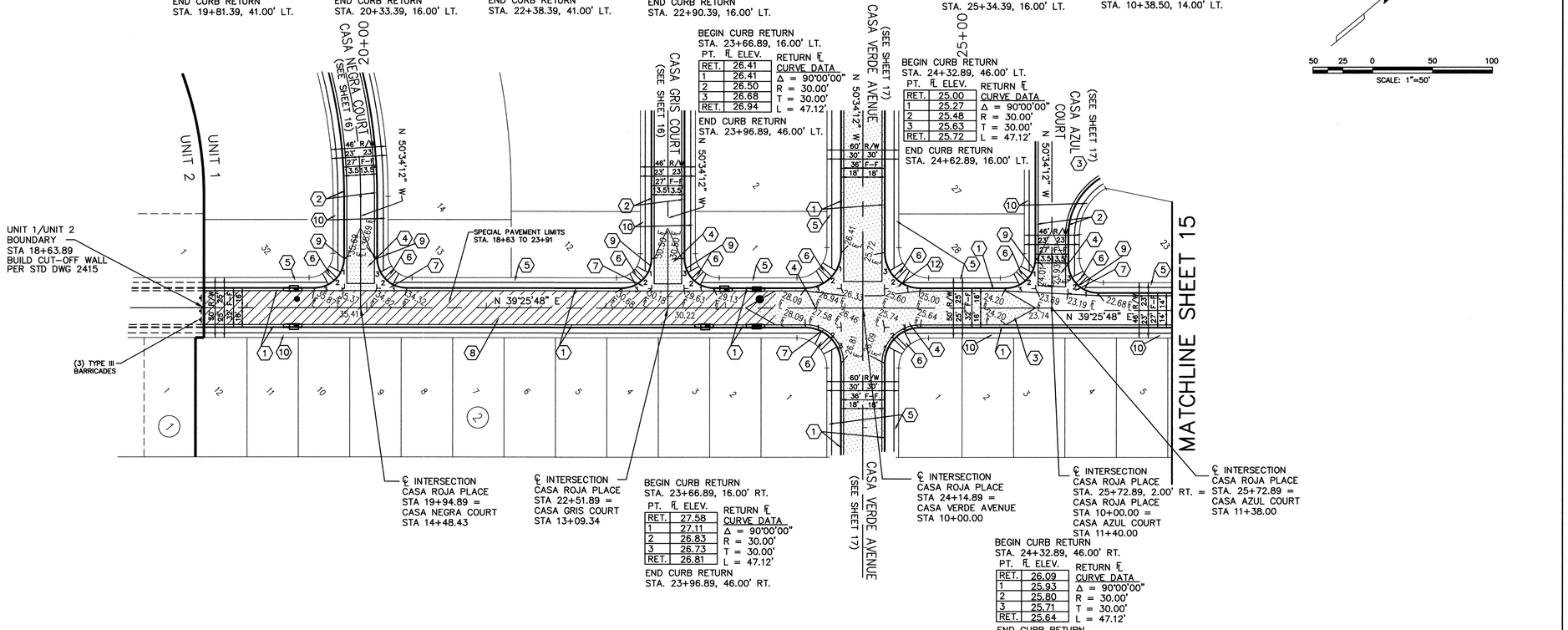
PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	27.58	Δ = 90°00'00"
1	27.11	R = 30.00'
2	26.83	T = 30.00'
3	26.73	L = 47.12'
RET.	26.81	

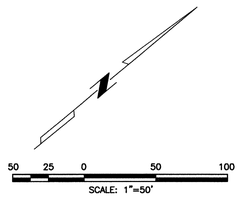
END CURB RETURN
STA. 23+96.89, 46.00' RT.

BEGIN CURB RETURN
STA. 24+32.89, 46.00' RT.

PT.	℄ ELEV.	RETURN ℄ CURVE DATA
RET.	26.09	Δ = 90°00'00"
1	25.93	R = 30.00'
2	25.80	T = 30.00'
3	25.71	L = 47.12'
RET.	25.64	

END CURB RETURN
STA. 24+62.89, 16.00' RT.





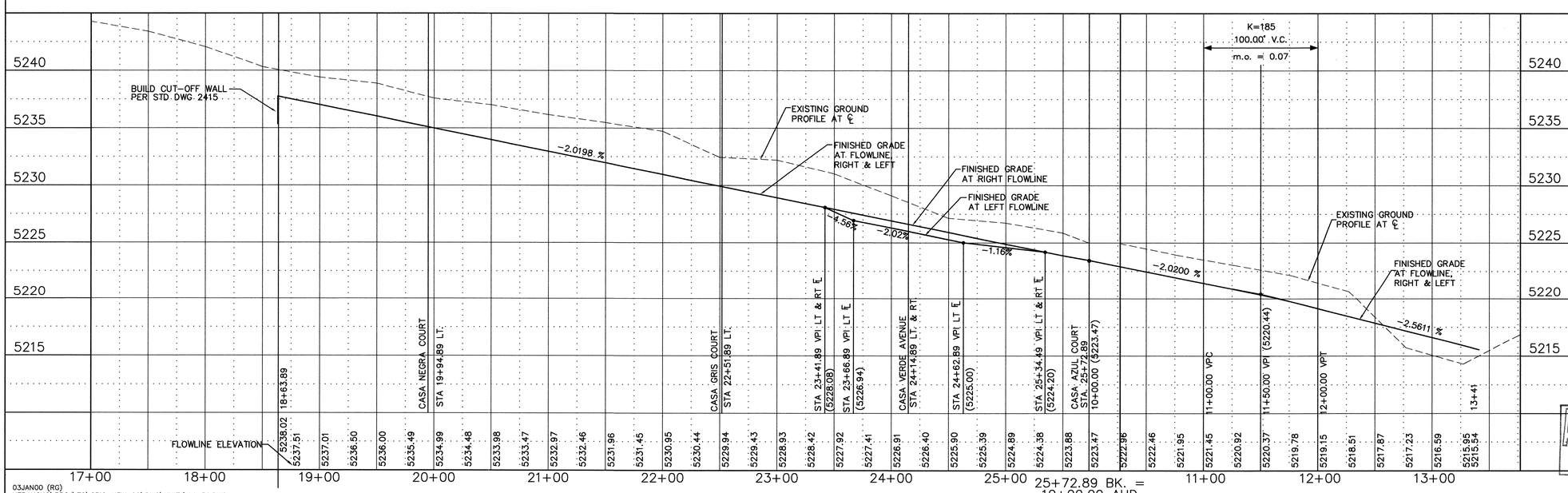
NOTES

SEE ROADWAY TYPICAL SECTIONS AND PAVEMENT SECTION ON SHEET 7

BUILD NOTES

1. BUILD STANDARD CURB AND GUTTER PER C.O.A. DWG #2415.
2. BUILD MOUNTABLE CURB AND GUTTER PER C.O.A. DWG #2415.
3. BUILD RESIDENTIAL PAVEMENT PER DETAIL ON SHEET 7.
4. BUILD 50' CROWN TRANSITION PER C.O.A. DWG #2401.
5. BUILD 4' WIDE CONCRETE SIDEWALK PER C.O.A. DWG. #2430
6. BUILD WHEEL CHAIR RAMP PER DETAIL SHEET 30.
7. BUILD CONCRETE VALLEY GUTTER PER C.O.A. DWG. #2420.
8. BUILD SPECIAL PAVEMENT SECTION PER DETAIL ON SHEET 7. LIMITS OF PVMT. ARE FROM STA 18+63 TO STA 23+91.
9. BUILD TRANSITION FROM STD. CURB & GUTTER TO ROLL TYPE CURB & GUTTER PER C.O.A. DWG 2418
10. DEFERRED 4' WIDE CONCRETE SIDEWALK PER C.O.A. DWG. #2430 (NOT IN THIS CONTRACT)
12. BUILD 12' GUTTER WIDTH SPECIAL CONCRETE VALLEY GUTTER PER C.O.A. DWG #2420.

CASA ROJA PLACE



03JAN00 (RG)
H:\RANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\14-30.DWG

SCANNED BY MESA REPRO

AS BUILT INFORMATION
CONTRACTOR Mesalands Concrete Co.
WORK STAKED BY Hutt Zollars DATE
INSPECTOR J.P. Fessenden DATE 4-01
FIELD VERIFICATION BY Bill Pacelli DATE 3-01
FIELD VERIFICATION BY Bill Pacelli DATE 5-01
DRAWINGS CORRECTED BY Hutt Zollars DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40"
LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
RUSSELL G. GRAYSON NEW MEXICO 4027 REGISTERED PROFESSIONAL ENGINEER
1/3/00

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		
DESIGNED	WLB	DATE 2MAY96
DRAWN BY	GMA	DATE 2MAY96
CHECKED BY	RGG	DATE 20EC99

ENGINEER'S CERTIFICATION

I, _____, REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-6-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR., N.E. STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

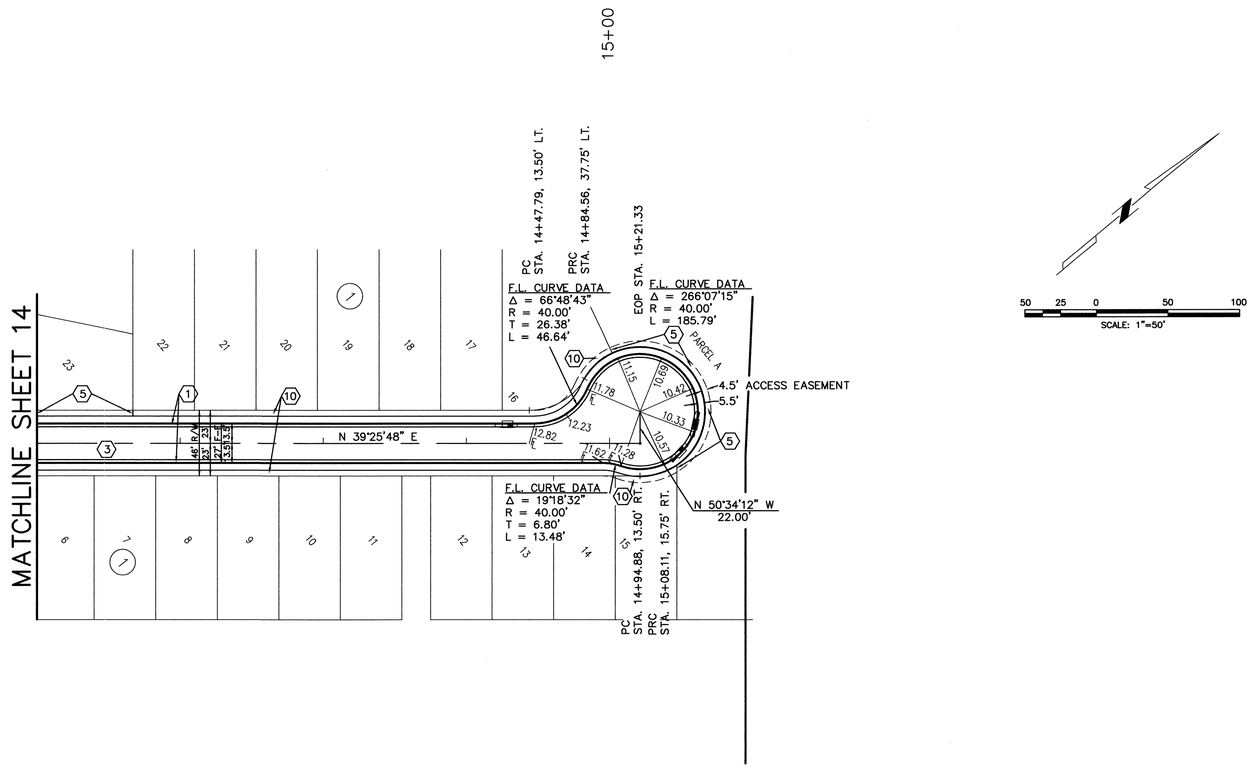
TITLE: WESTLAND DEVELOPMENT CO., INC.
PAVING PLAN AND PROFILE – CASA ROJA
TIERRA OESTE UNIT 1

APPROVED
Design Review Committee
FEB 27 2000
DESIGN REVIEW COMMITTEE

APPROVED
City Engineer Approval
AUG 16 2000
CITY ENGINEER

Last Design Update
Mo./Day/Yr.
Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	J-9-Z	14	30



NOTES

SEE ROADWAY TYPICAL SECTIONS AND PAVEMENT SECTION ON SHEET 7.

BUILD NOTES

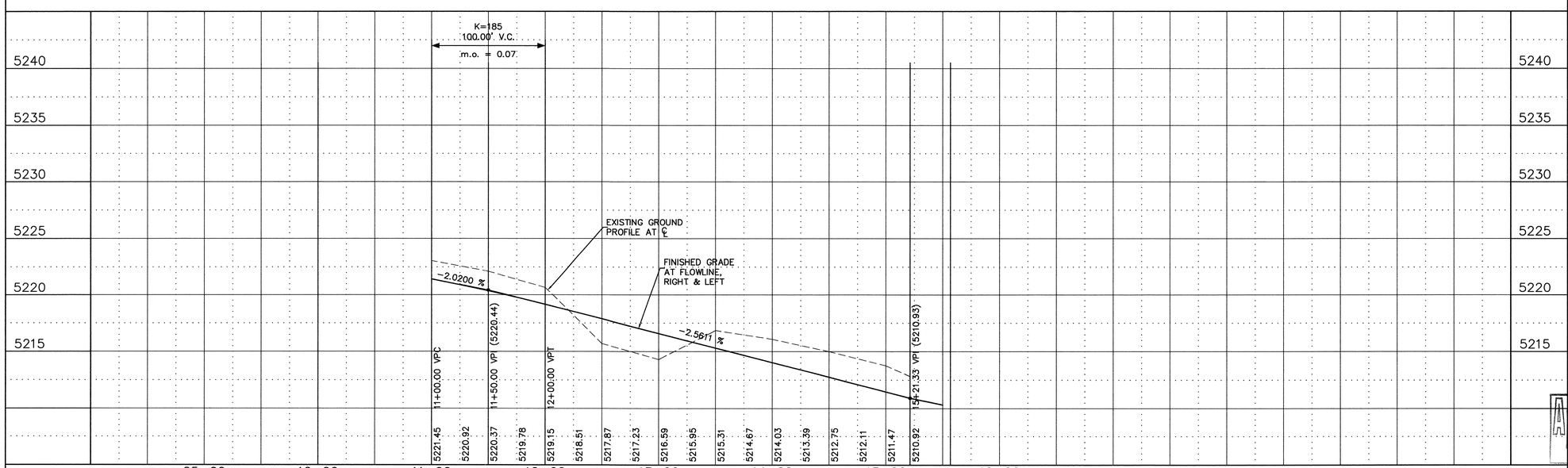
(1) BUILD STANDARD CURB AND GUTTER PER C.O.A. DWG #2415.

(3) BUILD RESIDENTIAL PAVEMENT SECTION PER DETAIL ON SHEET 7.

(5) BUILD 4' WIDE CONCRETE SIDEWALK PER C.O.A. DWG #2430

(10) DEFERRED 4' WIDE CONCRETE SIDEWALK PER C.O.A. DWG. #2430 (NOT IN THIS CONTRACT)

CASA ROJA PLACE



SCANNED BY MESA REPRO

03JAN00 (TE)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\15-30.DWG

ENGINEER'S CERTIFICATION

I, _____, REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-4-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED	WLB	2MAY96
DRAWN BY	GMA	2MAY96
CHECKED BY	RGG	20EC99

ENGINEER'S SEAL
RUSSELL G. GRAYSON
NEW MEXICO
9916
REGISTERED PROFESSIONAL ENGINEER
1/3/00

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

AS BUILT INFORMATION

CONTRACTOR	Melendez Concrete G.	
WORK STAKED BY	Hurtado Palacios	DATE 4-01
INSPECTOR	J.P. Fuentes	
FIELD VERIFICATION BY	Joseph Baca	DATE 5-01
DRAWINGS CORRECTED BY	Bill McCall	DATE 5-01
	Hurtt Zollars	DATE 5-01

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

C.O.A. w/ut E 9-21-01

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

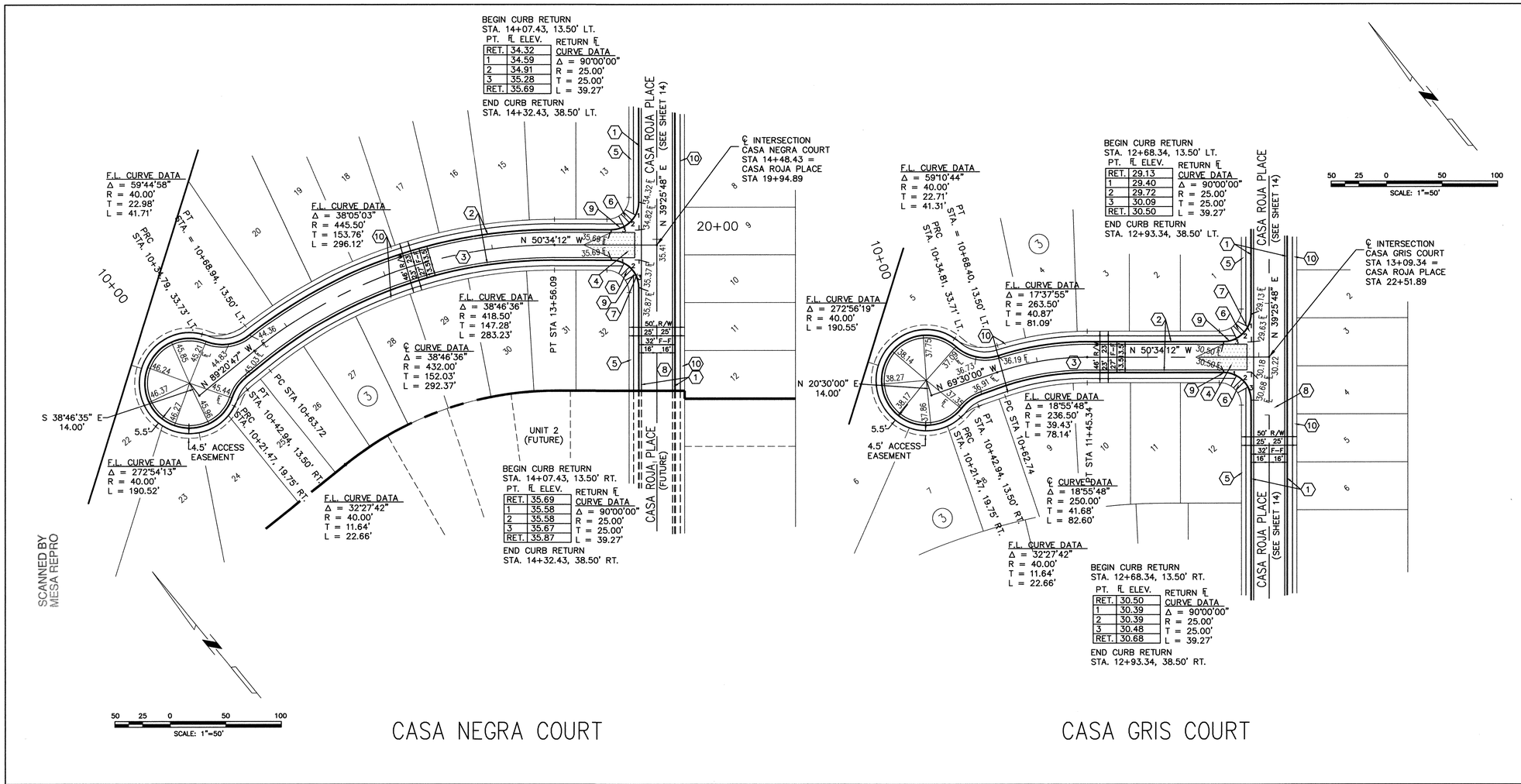
TITLE: WESTLAND DEVELOPMENT CO., INC.
PAVING PLAN AND PROFILE – CASA ROJA
TIERRA OESTE UNIT 1

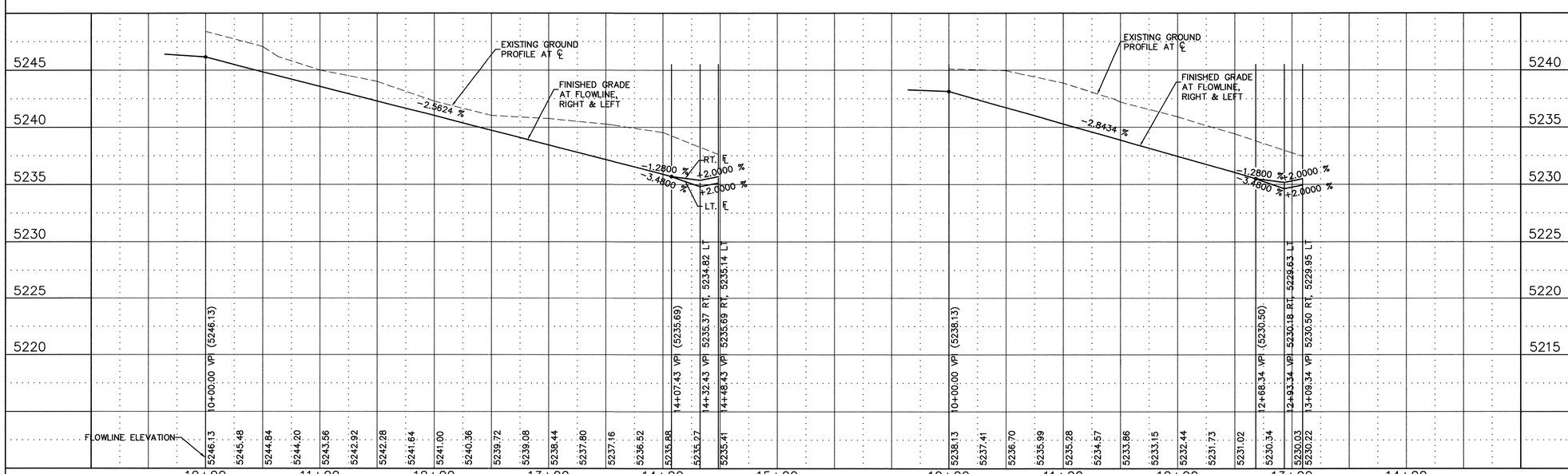
APPROVED
Design Review Committee
FEB 27 2000
DESIGN REVIEW COMMITTEE

APPROVED
City Engineer Approval
AUG 16 2000
CITY ENGINEER

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	J-9-Z	15	30





NOTES

SEE ROADWAY TYPICAL SECTIONS AND PAVEMENT SECTION ON SHEET 7.

BUILD NOTES

1. BUILD STANDARD CURB AND GUTTER PER C.O.A. DWG #2415.
2. BUILD MOUNTABLE CURB AND GUTTER PER C.O.A. DWG #2415.
3. BUILD RESIDENTIAL PAVEMENT SECTION PER DETAIL ON SHEET 7.
4. BUILD 50' CROWN TRANSITION PER C.O.A. DWG #2401.
5. BUILD 4' WIDE CONCRETE SIDEWALK PER C.O.A. DWG #2430
6. BUILD WHEEL CHAIR RAMP PER DETAIL SHEET 30
7. BUILD CONCRETE VALLEY GUTTER PER C.O.A. DWG. #2420.
8. BUILD SPECIAL PAVEMENT SECTION PER DETAIL ON SHEET 7. LIMITS OF PVMT. ARE FROM STA. 18+63 TO STA. 23+91
9. BUILD TRANSITION FROM STD CURB & GUTTER TO ROLL TYPE CURB & GUTTER PER C.O.A. DWG. #2418
10. DEFERRED 4' WIDE CONCRETE SIDEWALK PER C.O.A. DWG. #2430 (NOT IN THIS CONTRACT)

AS BUILT INFORMATION
CONTRACTOR Maloney Concrete & DATE
WORK STAKED BY Huitt-Zollars DATE
AS-BUILTS PREPARED BY Huitt-Zollars DATE 4-01
ACCEPTANCE BY CITY DATE
FIELD VERIFICATION BY Jack Bell DATE 5-01
DRAWINGS CORRECTED BY Huitt-Zollars DATE 5-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. C.O.A. WATE 9-21-01

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RUSSELL G. GRAYSON NEW MEXICO 14237 REGISTERED PROFESSIONAL ENGINEER
1/3/00

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED W.L.B DATE 2MAY96
DRAWN BY GMA DATE 2MAY96
CHECKED BY RGG DATE 2DEC99

ENGINEER'S CERTIFICATION

I, _____, REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

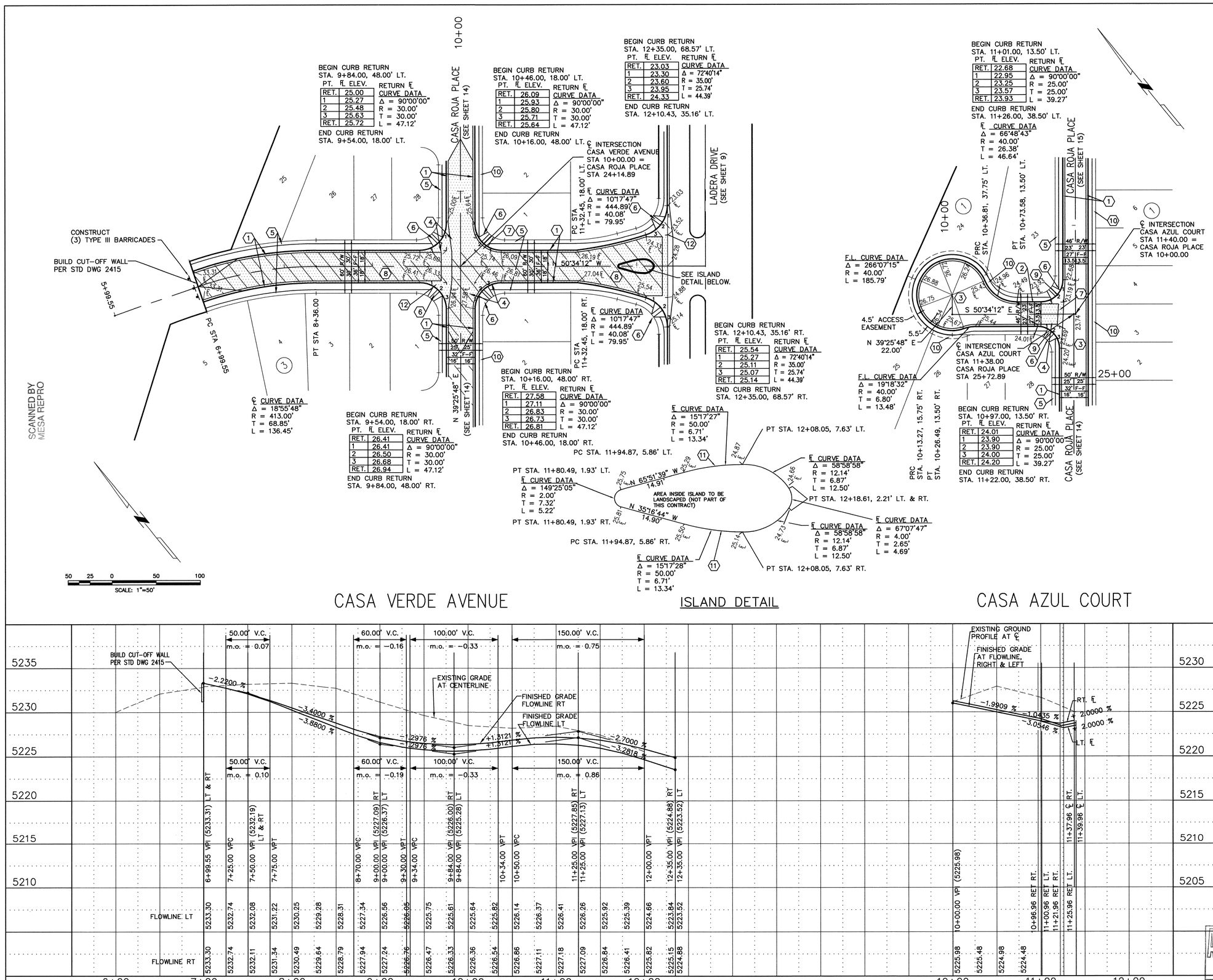
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
PAVING PLAN AND PROFILE – CASA NEGRA/CASA GRIS
TIERRA OESTE UNIT 1

Design Review Committee: APPROVED FEB 27 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG 16 2000 CITY ENGINEER
Last Design Update Mo./Day/Yr. Mo./Day/Yr.

City Project No. 5297.90 | Zone Map No. J-9-Z | Sheet 16 Of 30

03JAN00 (TE)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\16-30.DWG



SCANNED BY
MESA REPRO

03JAN00 (TE)
H:\RANCHO\PROJ\TO\ORIG-NEW-99\UNIT1\17-30.DWG

NOTES

SEE ROADWAY TYPICAL SECTIONS AND PAVEMENT SECTION ON SHEET 7

BUILD NOTES

1. BUILD STANDARD CURB AND GUTTER PER C.O.A. DWG #2415.
2. BUILD MOUNTABLE CURB AND GUTTER PER C.O.A. DWG #2415.
3. BUILD RESIDENTIAL PAVEMENT SECTION PER DETAIL ON SHEET 7.
4. BUILD 50' CROWN TRANSITION PER C.O.A. DWG #2401.
5. BUILD 4' WIDE CONCRETE SIDEWALK PER C.O.A. DWG #2430
6. BUILD WHEEL CHAIR RAMP PER DETAIL SHEET 30
7. BUILD CONCRETE VALLEY GUTTER PER C.O.A. DWG. #2420.
8. BUILD SPECIAL PAVEMENT SECTION PER DETAIL ON SHEET 7. LIMITS OF PVMT. ARE FROM STA. 18+63 TO STA. 23+91
9. BUILD TRANSITION FROM STD CURB & GUTTER TO ROLL TYPE CURB & GUTTER PER C.O.A. DWG. #2418
10. DEFERRED 4' WIDE CONCRETE SIDEWALK PER C.O.A. DWG. #2430 (NOT IN THIS CONTRACT)
11. BUILD MEDIAN CURB AND GUTTER PER C.O.A. DWG #2415.
12. BUILD 12' GUTTER WIDTH SPECIAL CONCRETE VALLEY GUTTER PER C.O.A. DWG #2420.

AS BUILT INFORMATION

CONTRACTOR Melendez Concrete C. DATE
WORK STAKED BY Hutt Zollars DATE
SURVEY CHECKED BY Hutt Zollars DATE 4-01
ACCEPTANCE BY Hutt Zollars DATE 3-01
FIELD LOCATION BY Brian Baca DATE
DRAWINGS CORRECTED BY Hutt Zollars DATE 5-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. C.O.A. WO. NO. 97-29-01

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "BH-40"
LOCATED APPROXIMATELY 623' NORTH OF
AND 888' WEST OF THE NORTHWEST
CORNER OF UNIT 1 BETWEEN TWO POWER
POLES.
ELEVATION = 5305.43

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RUSSELL G. GRAYSON NEW MEXICO 14237 PROFESSIONAL ENGINEER REGISTERED
1/3/00

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

		DATE
DESIGNED	WLB	2MAY96
DRAWN BY	GMA	2MAY96
CHECKED BY	RGG	2DEC99

ENGINEER'S CERTIFICATION

I, _____, REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 8416, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-01-01

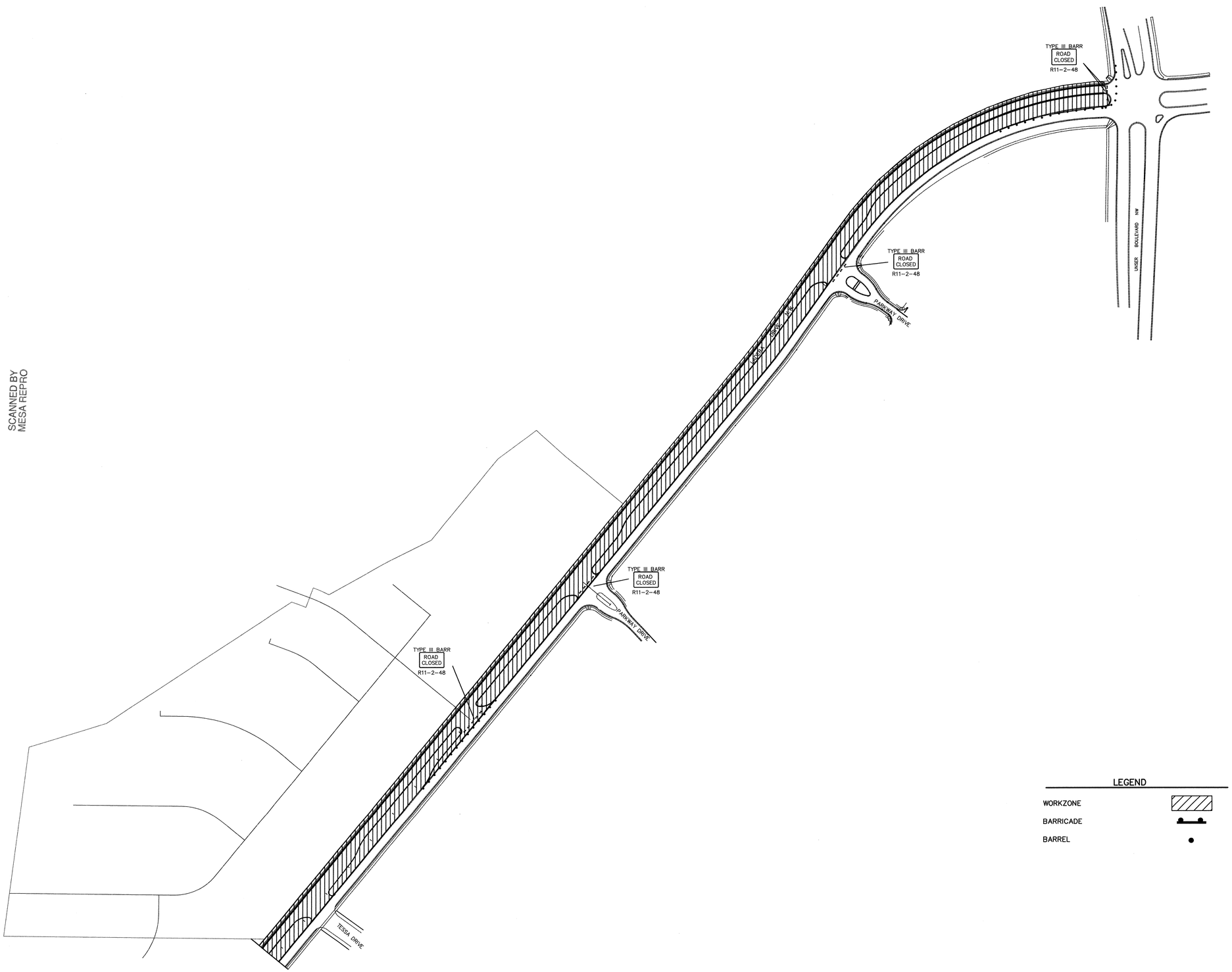
CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
PAVING PLAN AND PROFILE – CASA VERDE/CASA AZUL
TIERRA OESTE UNIT 1

Design Review Committee: APPROVED FEB 27 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED AUG 16 2000 CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	J-9-Z	17	30



SEE SHEETS 19 & 20 FOR INTERSECTION CONSTRUCTION SIGNING

SCANNED BY MESA REPRO

LEGEND

WORKZONE	
BARRICADE	
BARREL	●

ENGINEER'S CERTIFICATION

I, _____, REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE _____

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141

LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN			
DESIGNED	BLB	DATE	2MAY96
DRAWN BY	BLB	DATE	2MAY96
CHECKED BY	RGG	DATE	2DEC99

ENGINEER'S SEAL

RUSSELL G. GRAYSON — NEW MEXICO — 14237 — REGISTERED PROFESSIONAL ENGINEER — 1/13/00

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

AS BUILT INFORMATION

CONTRACTOR Meinkes Concrete Co.
WORK STAKED BY Huitt Zollars DATE
INSPECTOR'S ACCEPTANCE BY J.P. Fossner DATE 4-01
FIELD VERIFICATION BY Jesse Baca DATE 5-01
DRAWINGS CORRECTED BY Huitt Zollars DATE 6-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
LADERA DRIVE CONSTRUCTION TRAFFIC CONTROL PLAN
TIERRA OESTE UNIT 1

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED FEB 27 2000 DESIGN REVIEW COMMITTEE	APPROVED AUG 16 2000 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
5297.90	J-9-Z	18	30

03JAN00 (TE)
HZRANCHO\PROJ\OT\ORIG-NEW-99\DWG\UNIT1\18-30.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. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

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. 24 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.

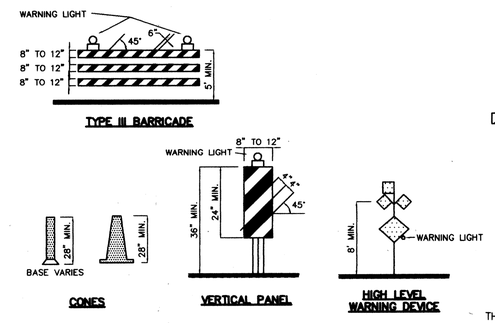
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS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

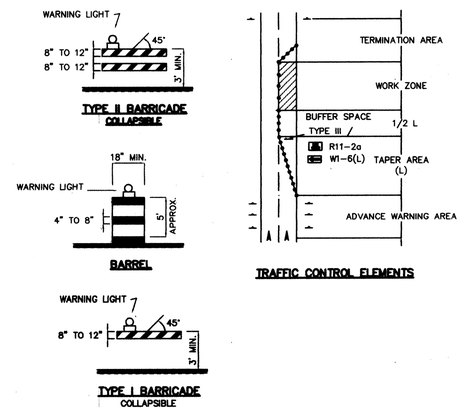
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



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.



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	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

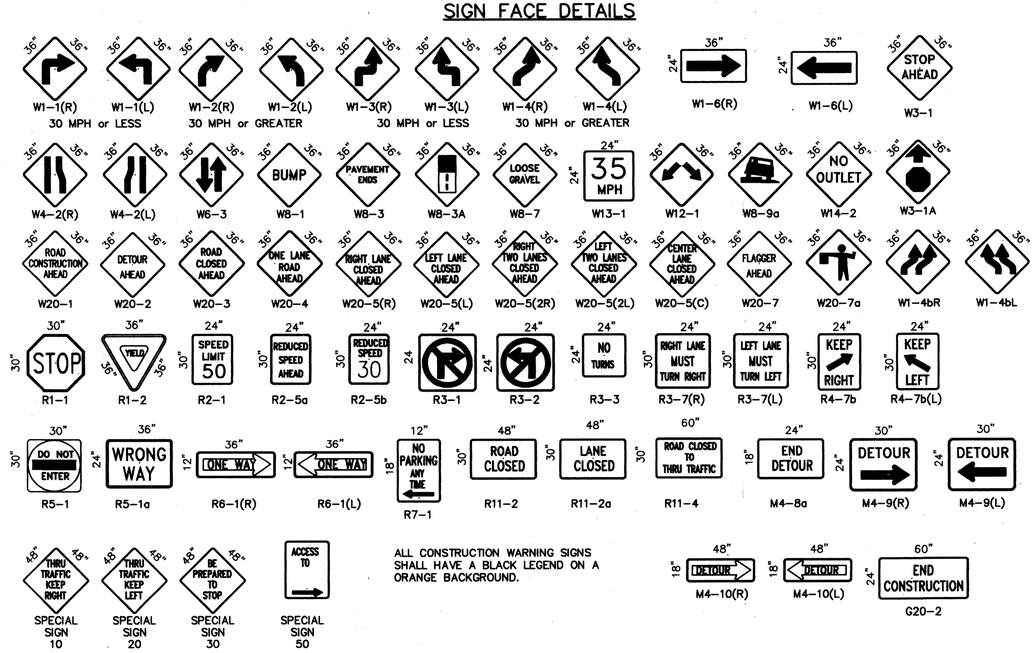
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

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 — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
RICHARD B. ROSENAU NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS REVISIONS DESIGN	BY
		DESIGNED BY — DATE	
		DRAWN BY C.O.A. STANDARDS — DATE	
		CHECKED BY — DATE	

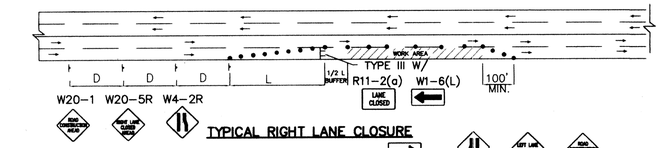
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

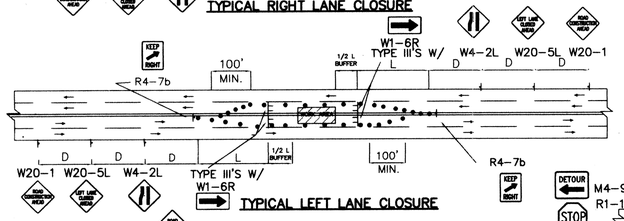
DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
COA	STD			

PROJECT NO. 5297.90 | MAP NO. H-9&J-9 | SHEET 19 OF 30

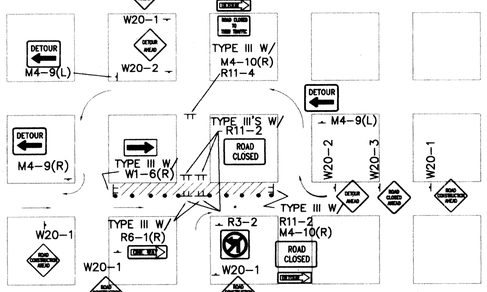
CTCSTND1.DWG



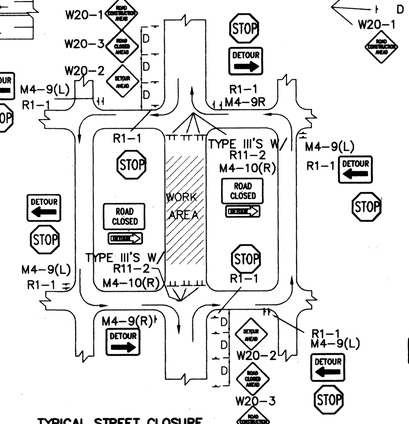
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

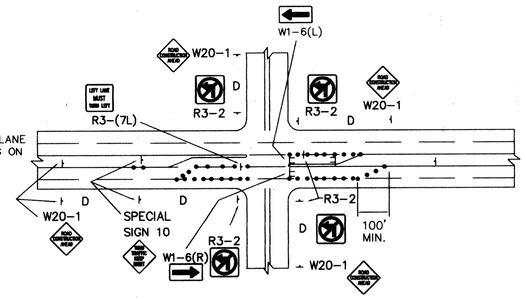


TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

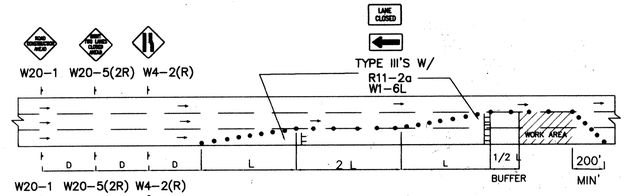
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



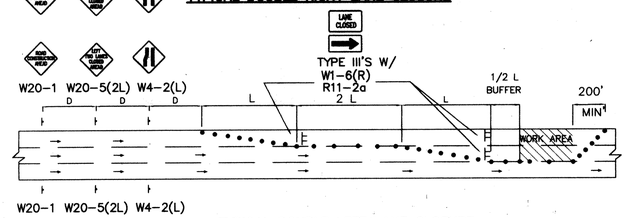
NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

TYPICAL LANE CLOSURE AT INTERSECTION

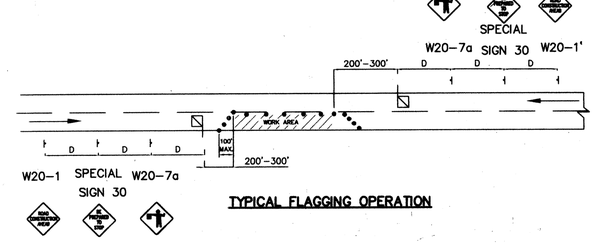
NOTE: DEPENDING ON WORK ZONE LOCATION



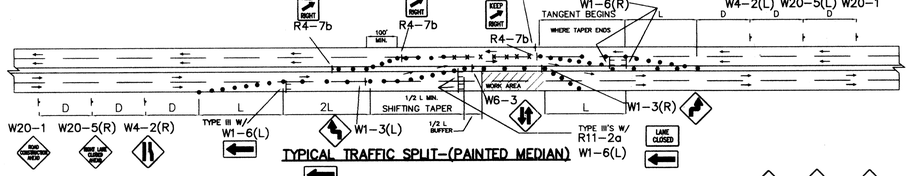
TYPICAL DOUBLE RIGHT LANE CLOSURE



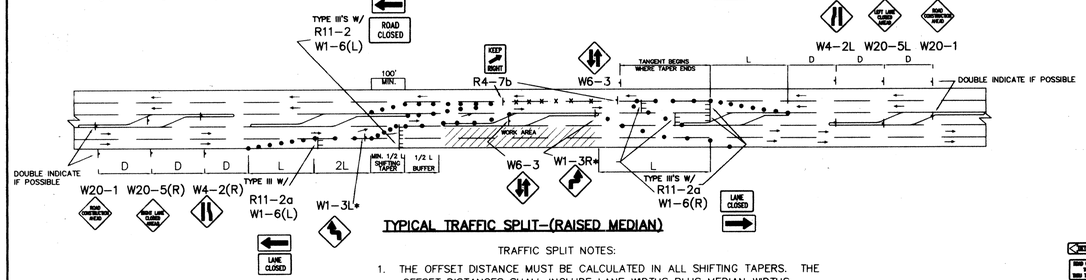
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



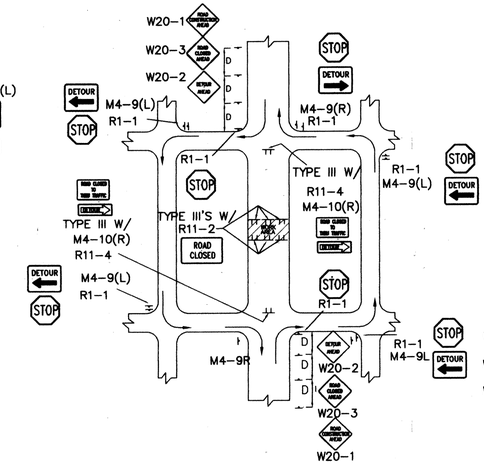
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

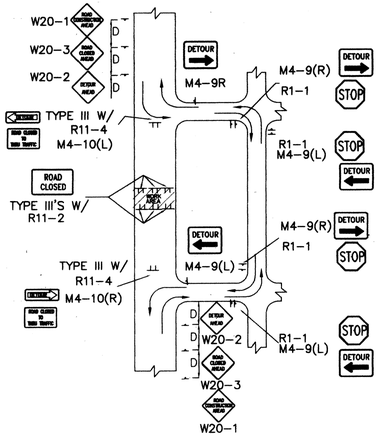
TRAFFIC SPLIT NOTES:

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.



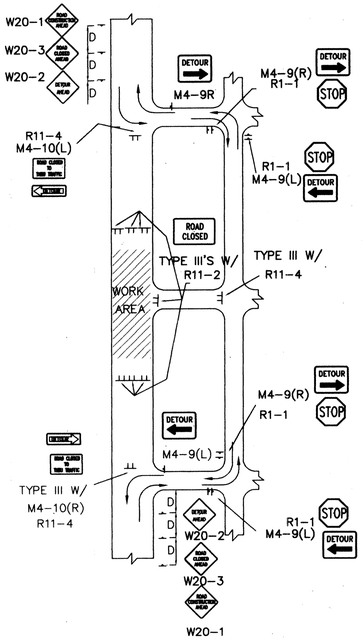
TYPICAL MID-BLOCK CLOSURE

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



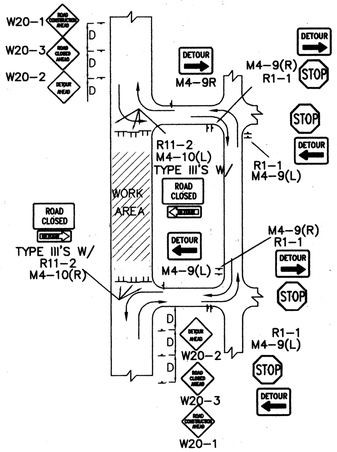
TYPICAL STREET CLOSURE

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



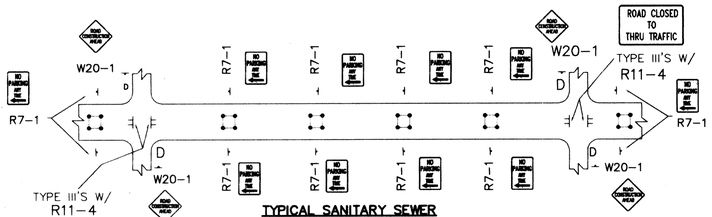
TYPICAL STREET CLOSURE

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



TYPICAL STREET CLOSURE

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



TYPICAL SANITARY SEWER 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 FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

AS BUILT INFORMATION

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

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "8H-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REMARKS | NO. | DATE | BY

REVISIONS

DESIGN

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

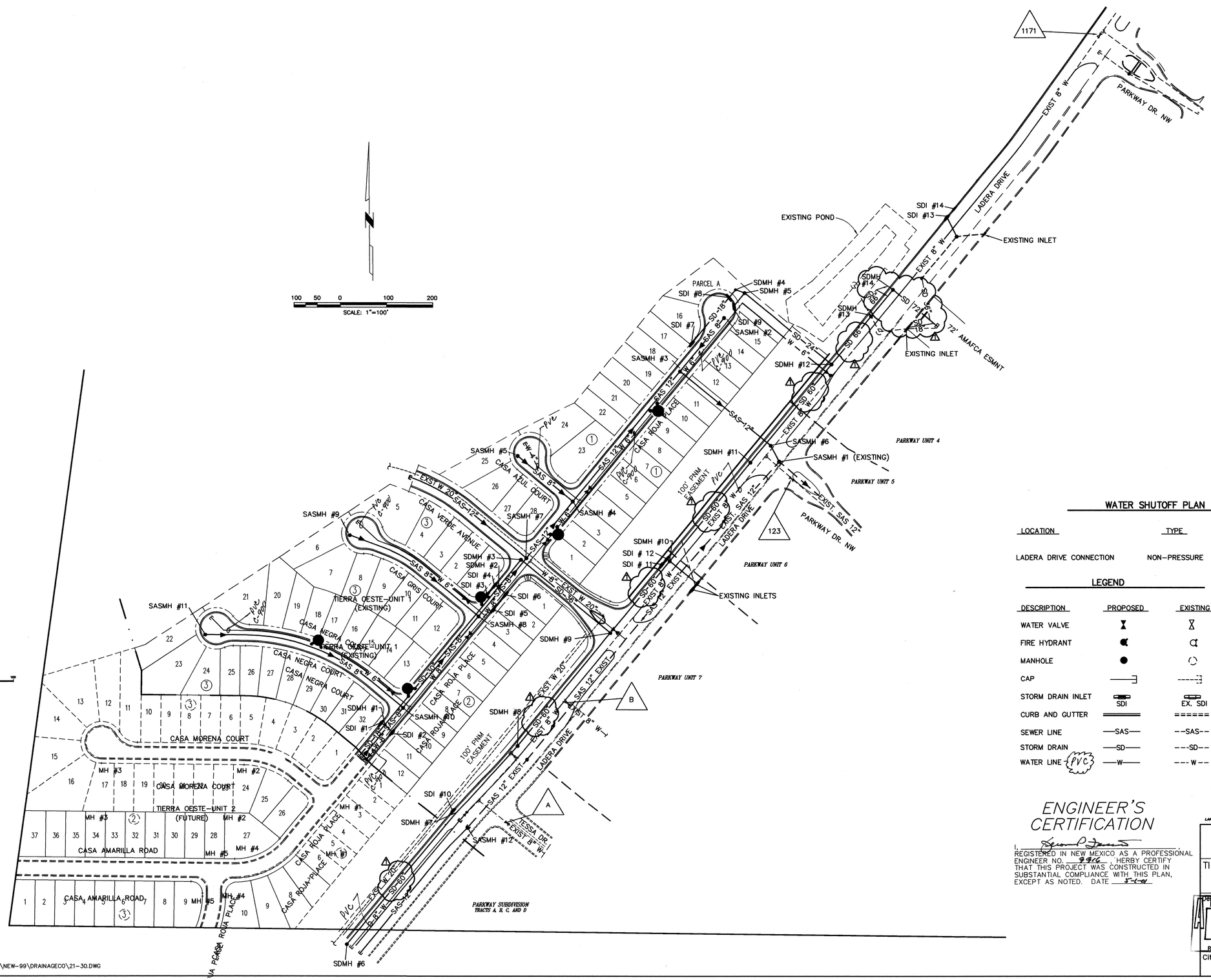
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
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.
CON	SID			

PROJECT NO. 5297.90 | MAP NO. H-9&J-9 | SHEET 20 OF 30

CTCSTND2.DWG



WATER SHUTOFF PLAN

LOCATION	TYPE	CLOSE VALVE #'S
LADERA DRIVE CONNECTION	NON-PRESSURE	123 & 1171 & A & B

LEGEND

DESCRIPTION	PROPOSED	EXISTING
WATER VALVE		
FIRE HYDRANT		
MANHOLE		
CAP		
STORM DRAIN INLET	SDI	EX. SDI
CURB AND GUTTER		
SEWER LINE	—SAS—	--SAS--
STORM DRAIN	—SD—	---SD---
WATER LINE	—W—	---W---

ENGINEER'S CERTIFICATION

I, _____, REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 8916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-5-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

NO.	DATE	REMARKS	BY
1	9/14/00	LADERA DRIVE SD REDESIGN	RGG

REVISIONS

		DATE
DESIGNED	RGG	19MAR96
DRAWN BY	RGG	19MAR96
CHECKED BY	RGG	20DEC99

DESIGN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
COMPOSITE UTILITY PLAN
TIERRA OESTE UNIT 1

Design Review Committee - City Engineer Approval

	Mo./Day/Yr.
Last Design Update	

APPROVED DEC 19 2000 DESIGN REVIEW COMMITTEE
APPROVED DEC 19 2000 CITY ENGINEER

City Project No.	Zone Map No.	Sheet	Of
5297.90	H-9&J-9	21	30

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

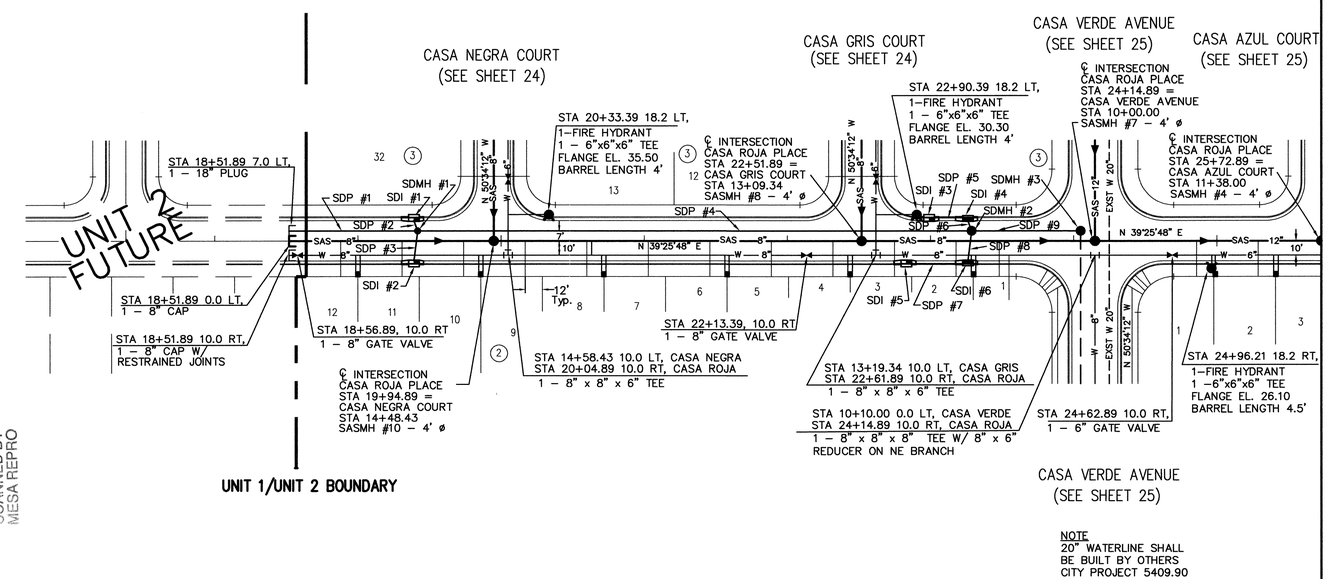
ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

AS BUILT INFORMATION

CONTRACTOR Malandes Concrete Co.
WORK STAKED BY Huitt Zollars DATE
INSPECTOR'S ACCEPTANCE BY: J.R. Fennemore DATE 4-01
FIELD VERIFICATION BY: Huitt Zollars DATE 4-01
DRAWINGS CORRECTED BY Garage Addit DATE 2-01
MICRO-FILM BY Huitt Zollars DATE 5-1-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
C.O.A. ul.mt 9-21-01

ENGINEER'S SEAL
RUSSELL G. GRANSON NEW MEXICO 14237 REGISTERED PROFESSIONAL ENGINEER 10/31/00

11SEP00 (CG)
HZRANCHO\PROJ\TO\NEW-99\DRAINAGECO\21-30.DWG



NOTE
20" WATERLINE SHALL BE BUILT BY OTHERS CITY PROJECT 5409.90

MATCHLINE SHEET 23 STA 10+00.00 CASA ROJA PLACE (NORTH)
MATCHLINE SHEET 23 STA 25+72.89 CASA ROJA PLACE (SOUTH)

STORM DRAIN INLETS

SDI #	TYPE	STATION	OFFSET	℄ EL.*	INVERT IN	INVERT OUT
1	'A'	19+39.16	16.0 LT	36.22	–	32.22
2	'A'	19+39.16	16.0 RT	36.22	–	32.22
3	'A'	22+99.11	16.0 LT	28.95	–	24.91
4	DOUBLE 'C'	23+26.18	16.0 LT	28.40	23.90	23.80
5	'A'	22+83.16	16.0 RT	29.27	–	25.23
6	DOUBLE 'C'	23+26.18	16.0 RT	28.40	23.90	23.80

*NORMAL GUTTER ℄

STORM DRAIN MANHOLES

SDMH #	DIAMETER	STATION	OFFSET	RIM EL.	INVERT IN	INVERT OUT
1	4'	19+41.74	7.0 LT	36.34	31.80	31.70
2	6'	23+28.74	7.0 LT	28.53	23.38	23.28
3	6'	24+04.89	7.0 LT	26.17	21.76	21.66

STORM DRAIN PIPE

SDP #	DIAMETER*	UPSTREAM STATION	UPSTREAM OFFSET	UPSTREAM INVERT	DOWNSTREAM STATION	DOWNSTREAM OFFSET	DOWNSTREAM INVERT	LENGTH	SLOPE
1	18"	18+51.89	7.0 LT	33.57	19+41.74	7.0 LT	31.80	89.85	1.97%
2	18"	19+39.18	14.0 LT	32.22	19+41.74	7.0 LT	31.80	7.45	5.64%
3	18"	19+39.18	14.0 RT	32.22	19+41.74	7.0 LT	31.80	21.15	2.00%
4	30"	19+41.74	7.0 LT	31.70	23+28.74	7.0 LT	23.38	387.00	2.15%
5	18"	23+02.34	16.0 LT	24.91	23+23.00	16.0 LT	23.90	20.66	4.89%
6	24"	23+26.18	14.0 LT	23.80	23+28.74	7.0 LT	23.38	7.45	5.64%
7	18"	22+86.39	16.0 RT	25.23	23+23.00	16.0 RT	23.90	36.60	3.63%
8	24"	23+26.18	14.0 RT	23.80	23+28.74	7.0 LT	23.38	21.15	1.99%
9	36"	23+28.74	7.0 LT	23.28	24+04.89	7.0 LT	21.76	76.15	2.00%

*ALL STORM DRAIN PIPE IS RCP CLASS IV

ENGINEER'S CERTIFICATION

I, _____
REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 7956 , HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE _____

GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDER-GROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWERLINE COSTS.
2. ALL WATERLINE AND SEWERLINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINE SHALL HAVE RESTRAINED JOINTS PER TABLE THIS SHEET.
4. CONSTRUCT SAS SERVICES PER C.O.A. DWG #2125.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER C.O.A. DWG #2340.
6. CONSTRUCT ALL WATER SERVICES PER C.O.A. DWGS #2361, #2362, AND #2363.
7. UNLESS OTHERWISE NOTED, ALL SAS MANHOLES SHALL BE 4' DIAMETER, TYPE 'E' PER C.O.A. DWG #2102.
8. ALL CURVILINEAR SEWERLINES AND WATERLINES SHALL BE BENT ALONG PIPE SEGMENTS WITH 0.0° DEFLECTION AT PIPE JOINTS.
9. ALL SEWERLINES AND WATERLINES SHALL BE CONSTRUCTED OF PVC UNLESS SPECIFIED OTHERWISE.
10. ALL STORM DRAINS SHALL BE CONSTRUCTED OF RCP-CLASS IV UNLESS SPECIFIED OTHERWISE.
11. ALL ELEVATIONS ARE BASED ON A DATUM ELEVATION 5200 AS ESTABLISHED BY BENCH MARKS.

LEGEND

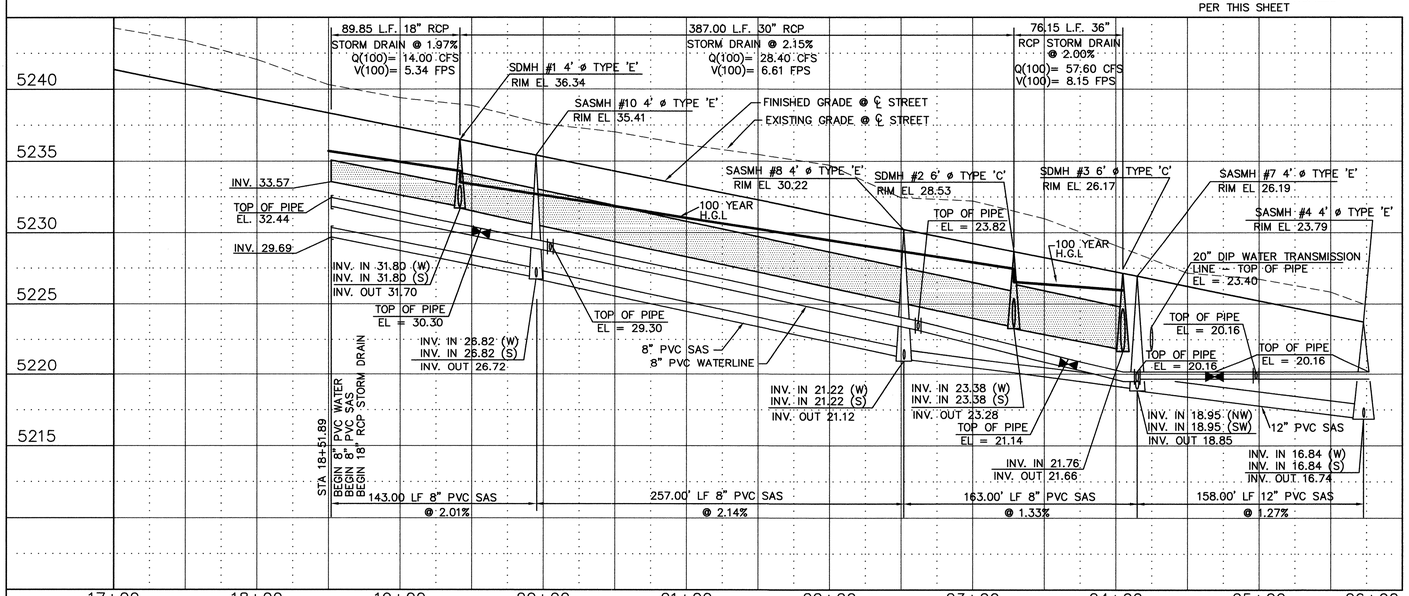
DESCRIPTION	PROPOSED
WATER VALVE	
FIRE HYDRANT	
MANHOLE	
CAP	
DROP INLET	SDI
PIPE TEE	
PIPE CROSS	
PIPE BEND	
WATER SERVICE SINGLE	
WATER SERVICE DOUBLE	
CURB AND GUTTER	
SEWER LINE	—SAS—
STORM DRAIN	—SD—
WATER LINE	—W—

RESTRAINED JOINT TABLE

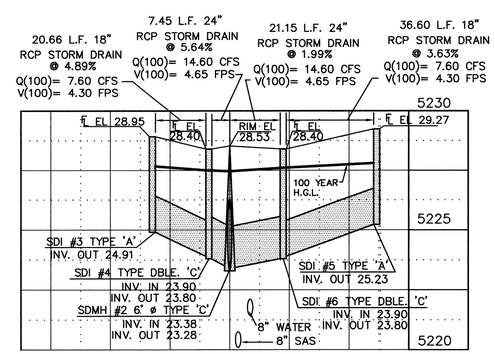
JOINT	RESTRAIN LENGTH
4" GATE VALVE	61'
4" 22.5° HORZ. BEND	21'
4" 45° VERT. OFFSET	21'
6" GATE VALVE	61'
6" 22.5° HORZ. BEND	21'
6" 45° HORZ. BEND	21'
6" 45° VERT. OFFSET	21'
8" X 8" X 4" TEE	BRANCH 21' RUN 21'
8" X 8" X 6" TEE	BRANCH 21' RUN 21'
8" X 8" X 8" TEE	BRANCH 21' RUN 21'
8" GATE VALVE	81'
8" 11.25° HORZ. BEND	21'
8" 22.50° HORZ. BEND	21'
8" 45° HORZ. BEND	21'
8" 22.5° VERT. OFFSET	21'
8" 45° VERT. OFFSET	21'
8" CAP	RESTRAIN TO VALVE

CASA ROJA PLACE (SOUTH)

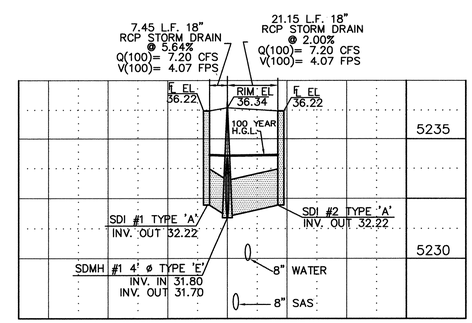
SUPPLEMENTARY STORM DRAINS PROFILES PER THIS SHEET



03JAN00 (TE)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\22-30.DWG



STA 23+28.74 – SDMH #2
SCALES: 1:30 HORIZ. 1:3 VERT.



STA 19+41.74 – SDMH #1
SCALES: 1:30 HORIZ. 1:3 VERT.

SEWER SERVICE TABLE

CASA ROJA PLACE		
BLOCK 1		
STATION @ PL	LOT	INV EL @ PL
STA 24+85.89	1	20.00
STA 25+28.89	2	19.10
BLOCK 2		
STATION @ PL	LOT	INV EL @ PL
STA 18+87.89	12	32.60
STA 19+30.89	11	31.70
STA 19+73.89	10	30.80
STA 20+16.89	9	29.90
STA 20+59.89	8	29.10
STA 21+02.89	7	28.20
STA 21+45.89	6	27.30
STA 21+88.89	5	26.50
STA 22+31.89	4	25.60
STA 22+74.89	3	24.70
STA 23+17.89	2	23.90
STA 23+48.00	1	22.80

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

AS BUILT INFORMATION
CONTRACTOR Matlock, Garcia & DATE
WORK STAKED BY Hurst Zuber DATE 4-01
ASSISTANCE BY Hurst Zuber DATE 4-01
ACCEPTANCE BY Sandoval, Rivera DATE 2-01
FIELD VERIFICATION BY Hurst Zuber DATE 2-01
DRAWINGS CORRECTED BY Hurst Zuber DATE 5-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. C.O.A. WORK 9-28-01

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40"
LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RUSSELL G. GRATSON NEW MEXICO (4237) REGISTERED PROFESSIONAL ENGINEER
1/3/00

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED RGG DATE 19MAR96
DRAWN BY RGG DATE 19MAR96
CHECKED BY RGG DATE 20DEC99

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
UTILITY PLAN & PROFILE – CASA ROJA PLACE
TIERRA OESTE UNIT 1

Design Review Committee – City Engineer Approval
FEB 27 2000 DESIGN REVIEW COMMITTEE
AUG 16 2000 CITY ENGINEER
Last Design Update Mo./Day/Yr. Mo./Day/Yr.

City Project No. 5297.90 | Zone Map No. H-9&J-9 | Sheet 22 Of 30

SCANNED BY MESA REPRO

MATCHLINE SHEET 22 STA 10+00.00 CASA ROJA (NORTH)
MATCHLINE SHEET 22 STA 25+72.89 CASA ROJA (SOUTH)

SCANNED BY MESA REPRO

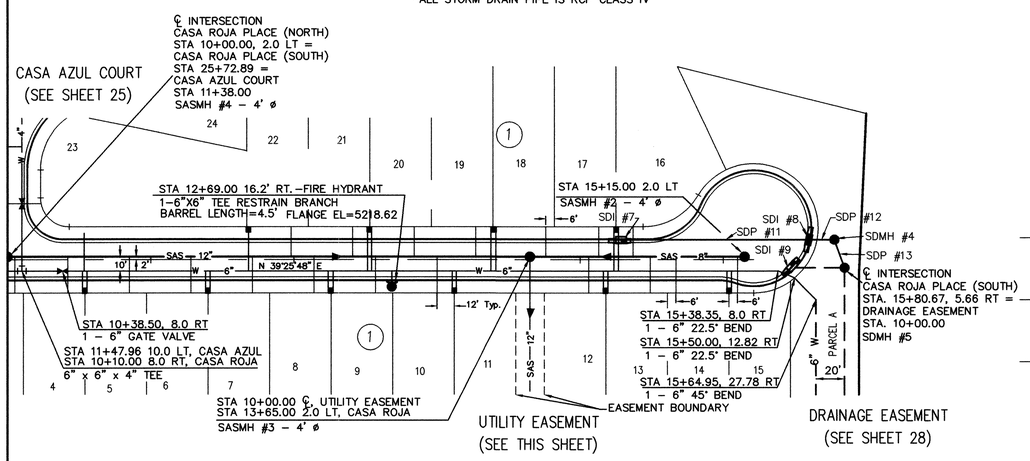
STORM DRAIN MANHOLES

SDMH #	DIAMETER	STATION	OFFSET	RIM EL.	INVERT IN	INVERT OUT
4	4'	15+77.80	14.0 LT	11.20	5.32	5.22
5	4'	15+84.96	5.66 RT	11.20	4.80	4.70

STORM DRAIN PIPE

		UPSTREAM			DOWNSTREAM				
SDP #	DIAMETER*	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT	LENGTH	SLOPE
11	18"	14+31.99	14.0 LT	9.24	15+58.65	14.0 LT	5.83	126.66	2.67%
12	24"	15+60.49	14.0 LT	5.73	15+77.80	14.0 LT	5.32	17.31	2.37%
13	24"	15+77.80	14.0 LT	5.22	15+84.95	5.66 RT	4.80	20.92	2.01%

* ALL STORM DRAIN PIPE IS RCP CLASS IV

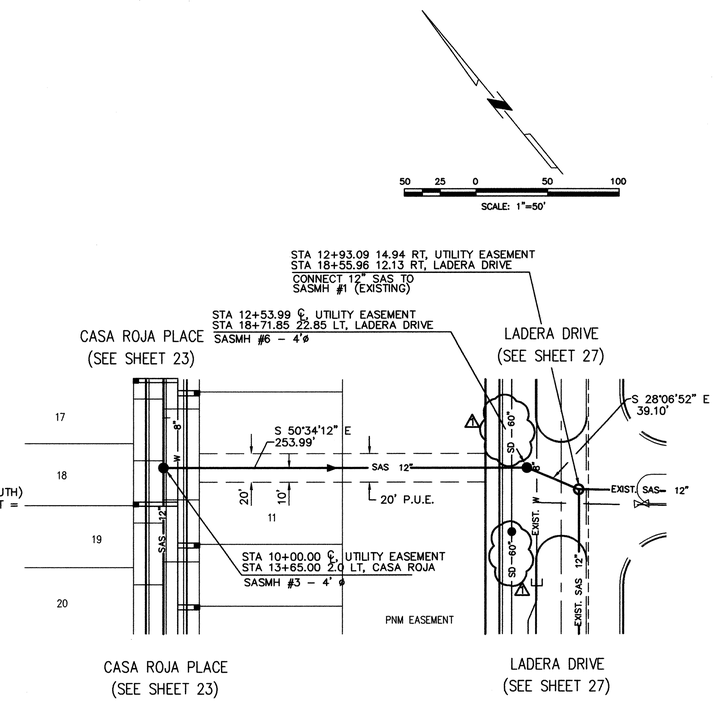


STORM DRAIN INLETS

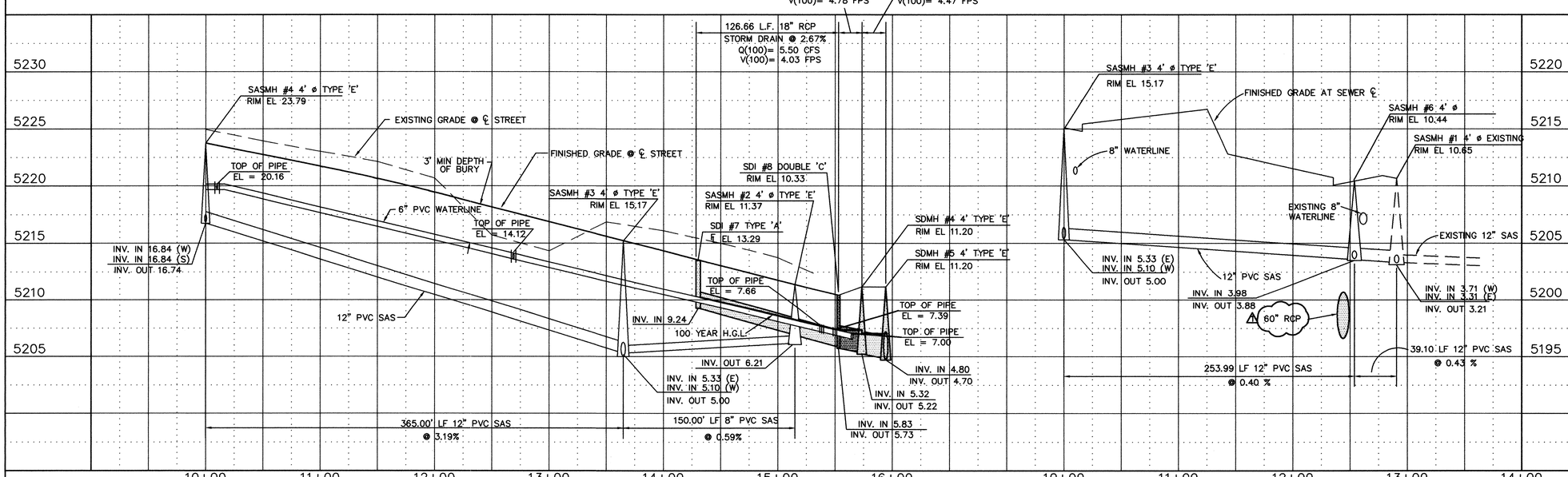
SDI #	TYPE	STATION	OFFSET	℄ EL.*	INVERT IN	INVERT OUT
7	'A'	14+28.77	14.0 LT	13.29	–	9.24
8	DOUBLE 'C'	15+60.50	14.0 LT	10.33	5.83	5.73

*NORMAL GUTTER ℄

CASA ROJA PLACE (NORTH)



UTILITY EASEMENT



10AUG00 (JL)
HZRANCHO\PROJ\TO\NEW-99\DRAINAGECO\23-30.DWG

GENERAL NOTES:

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LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	
FIRE HYDRANT	
MANHOLE	
CAP	
DROP INLET	SDI
PIPE TEE	
PIPE CROSS	
PIPE BEND	
WATER SERVICE SINGLE	
WATER SERVICE DOUBLE	
CURB AND GUTTER	
SEWER LINE	—SAS—
STORM DRAIN	—SD—
WATER LINE	—W—

RESTRAINED JOINT TABLE

JOINT	RESTRAIN LENGTH
4" GATE VALVE	61'
4" 22.5° HORZ. BEND	21'
4" 45° VERT. OFFSET	21'
6" GATE VALVE	61'
6" 22.5° HORZ. BEND	21'
6" 45° HORZ. BEND	21'
6" 45° VERT. OFFSET	21'
8" X 8" X 4" TEE	BRANCH 21' RUN 21'
8" X 8" X 6" TEE	BRANCH 21' RUN 21'
8" X 8" X 8" TEE	BRANCH 21' RUN 21'
8" GATE VALVE	81'
8" 11.25° HORZ. BEND	21'
8" 22.50° HORZ. BEND	21'
8" 45° HORZ. BEND	21'
8" 22.5° VERT. OFFSET	21'
8" 45° VERT. OFFSET	21'

ENGINEER'S CERTIFICATION

I, [signature], REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 4816, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

SEWER SERVICE TABLE

CASA ROJA COURT (NORTH)		
BLOCK 1		
STATION	LOT	INV EL @ PL
STA 10+05.00	3	19.00
STA 10+42.00	4	18.30
STA 10+85.00	5	17.40
STA 11+28.00	6	16.50
STA 11+71.00	7	15.60
STA 11+98.00	22	15.20
STA 12+14.00	8	14.50
STA 12+41.00	21	14.00
STA 12+57.00	9	13.38
STA 12+84.00	20	12.50
STA 13+00.00	10	12.30
STA 13+27.00	19	11.80
STA 13+43.00	11	11.15
STA 13+76.00	18	10.60
STA 14+06.00	12	9.60
STA 14+13.00	17	9.55
STA 14+37.00	16	9.00
STA 14+49.00	13	7.60
STA 14+92.00	14	7.40
STA 15+10.00	15	8.00

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

AS BUILT INFORMATION
CONTRACTOR Mathews Contracting Co.
WORK STAKED BY Huitt Zollars DATE
INSPECTOR'S ACCEPTANCE BY [signature] DATE 4-01
FIELD VERIFICATION BY [signature] DATE 2-01
CORRECTIONS OF DRAWINGS BY Huitt Zollars DATE 5-1-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
C.O.A. U.M.S. 9-21-01

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40"
AND 888' WEST OF THE NORTHWEST
CORNER OF UNIT 1 BETWEEN TWO POWER
POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RUSSELL G. GRAYSON
NEW MEXICO
4816
REGISTERED PROFESSIONAL ENGINEER
10/31/00

NO.	DATE	REMARKS	BY
1	9/11/00	LADERA DRIVE SD REDESIGN	RGG

REVISIONS

DESIGNED	RGG	DATE	19MAR99
DRAWN BY	RGG	DATE	19MAR99
CHECKED BY	RGG	DATE	20DEC99

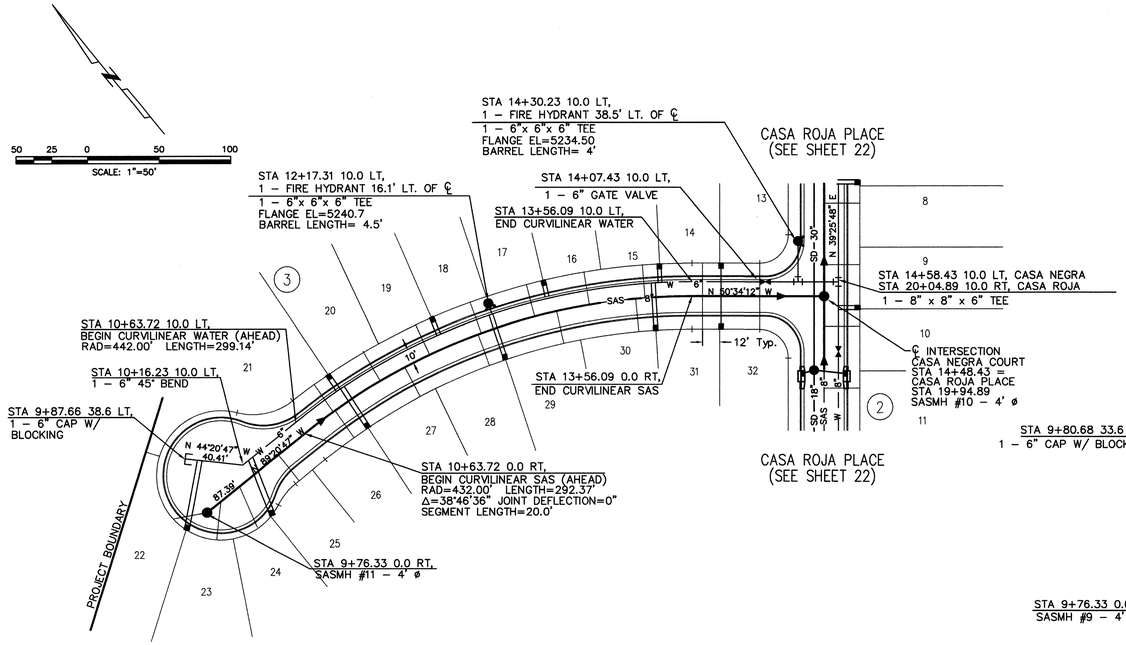
DESIGN

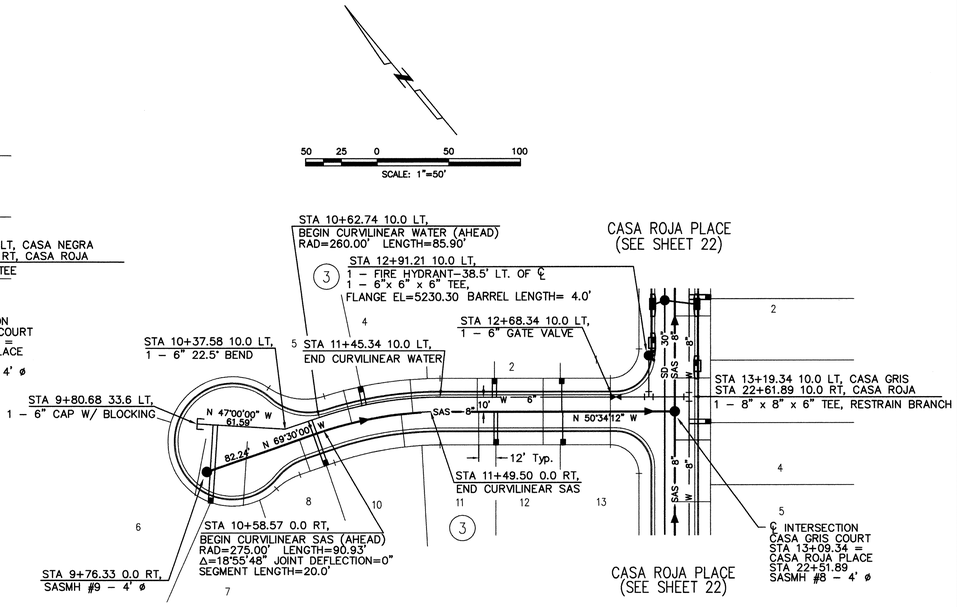
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
UTILITY PLAN & PROFILE – CASA ROJA/UTIL. ESMT.
TIERRA OESTE UNIT 1

Design Review Committee: APPROVED DEC 19 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 19 2000 CITY ENGINEER
Mo./Day/Yr. Mo./Day/Yr.
Last Design Update

City Project No.	Zone Map No.	Sheet	Of
5297.90	H-9&J-9	23	30





GENERAL NOTES:

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LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	
FIRE HYDRANT	
MANHOLE	
CAP	
DROP INLET	SDI
PIPE TEE	
PIPE CROSS	
PIPE BEND	
WATER SERVICE SINGLE	
WATER SERVICE DOUBLE	
CURB AND GUTTER	
SEWER LINE	—SAS—
STORM DRAIN	—SD—
WATER LINE	—W—

RESTRAINED JOINT TABLE

JOINT	RESTRAIN LENGTH
4" GATE VALVE	61'
4" 22.5° HORZ. BEND	21'
4" 45° VERT. OFFSET	21'
6" GATE VALVE	61'
6" 22.5° HORZ. BEND	21'
6" 45° HORZ. BEND	21'
6" 45° VERT. OFFSET	21'
8" X 8" X 4" TEE	BRANCH 21' RUN 21'
8" X 8" X 6" TEE	BRANCH 21' RUN 21'
8" X 8" X 8" TEE	BRANCH 21' RUN 21'
8" GATE VALVE	81'
8" 11.25° HORZ. BEND	21'
8" 22.50° HORZ. BEND	21'
8" 45° HORZ. BEND	21'
8" 22.5° VERT. OFFSET	21'
8" 45° VERT. OFFSET	21'

SEWER SERVICE TABLE

CASA GRIS COURT		
BLOCK 3		
STATION @ PL	LOT	INV EL @ PL
STA 9+63.08	6	33.60
STA 9+92.74	7	33.10
STA 10+44.74	8	32.20
STA 10+83.02	5	30.20
STA 11+18.07	9	30.10
STA 11+26.29	4	30.00
STA 11+71.34	3	28.60
STA 11+72.34	10	28.60
STA 12+17.34	11	28.30
STA 12+17.34	2	27.30
STA 12+64.34	1	26.00
STA 12+64.34	12	26.00

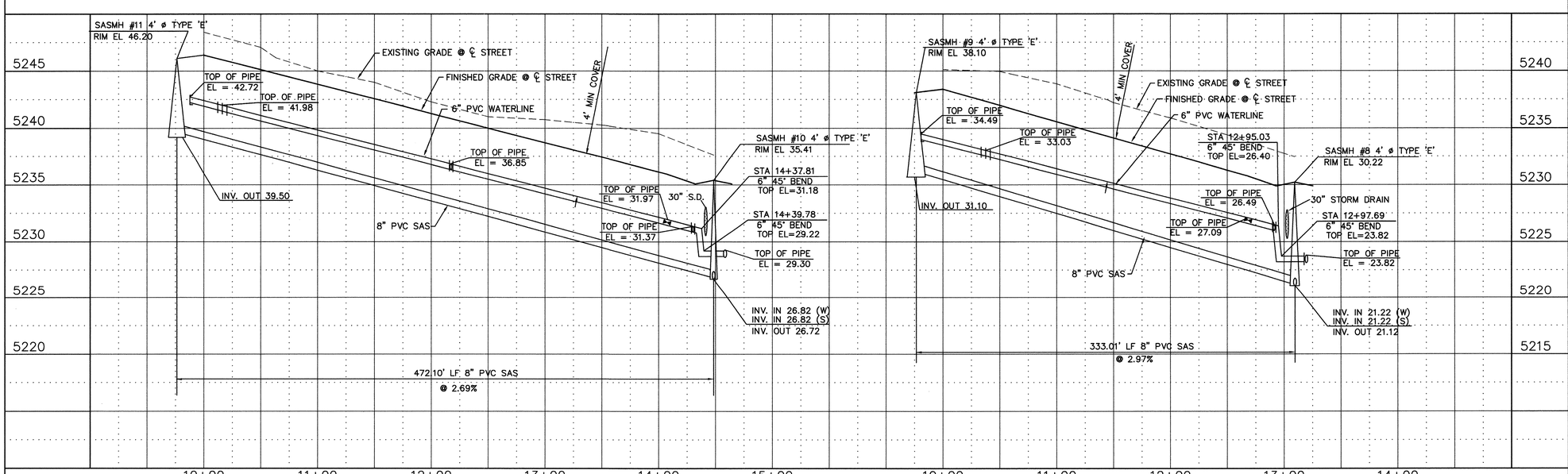
ENGINEER'S CERTIFICATION

I, [signature], REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 4236, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

SEWER SERVICE TABLE

CASA NEGRA		
BLOCK 3		
STATION @ PL	LOT	INV EL @ PL
STA 9+55.07	22	41.90
STA 9+69.51	23	41.40
STA 9+97.22	24	41.10
STA 10+40.23	25	40.60
STA 10+88.71	21	39.20
STA 10+90.28	26	39.10
STA 11+27.83	20	38.20
STA 11+47.53	27	37.80
STA 11+66.88	19	37.20
STA 12+03.54	28	36.30
STA 12+05.96	18	36.20
STA 12+45.04	17	35.20
STA 12+60.79	29	34.90
STA 12+84.12	16	34.20
STA 13+16.79	30	33.40
STA 13+23.20	15	33.20
STA 13+63.43	31	32.10
STA 13+63.43	14	32.10
STA 14+03.43	13	31.20
STA 14+03.43	32	31.20

CASA NEGRA COURT



CASA GRIS COURT

AS BUILT INFORMATION

CONTRACTOR Moseley Concrete Co.
WORK STAKED BY Hutt Zollars DATE
INSPECTOR'S ACCEPTANCE Inspector DATE 4-01
FIELD VERIFICATION BY Juan Hernandez DATE 2-01
REVISIONS DRAWN BY Jacob Martz
CORRECTED BY Hutt Zollars DATE 5-1-01

MICRO-FILM INFORMATION
RECORDED BY DATE
NO. O.O.A. 9-21-01 WMC

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40"
LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RUSSELL G. GRAYSON NEW MEXICO 4237 REGISTERED PROFESSIONAL ENGINEER
1/3/00

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED RGG DATE 19MAR96
DRAWN BY RGG DATE 19MAR96
CHECKED BY RGG DATE 20DEC99

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
UTILITY PLAN & PROFILE – CASA NEGRA CT/CASA GRIS CT
TIERRA OESTE UNIT 1

Design Review Committee City Engineer Approval
APPROVED FEB 27 2000 DESIGN REVIEW COMMITTEE
APPROVED AUG 16 2000
Last Design Update Mo./Day/Yr. Mo./Day/Yr.

City Project No. 5297.90 | Zone Map No. H-9&J-9 | Sheet 24 Of 30

03JAN00 (TE)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\24-30.DWG

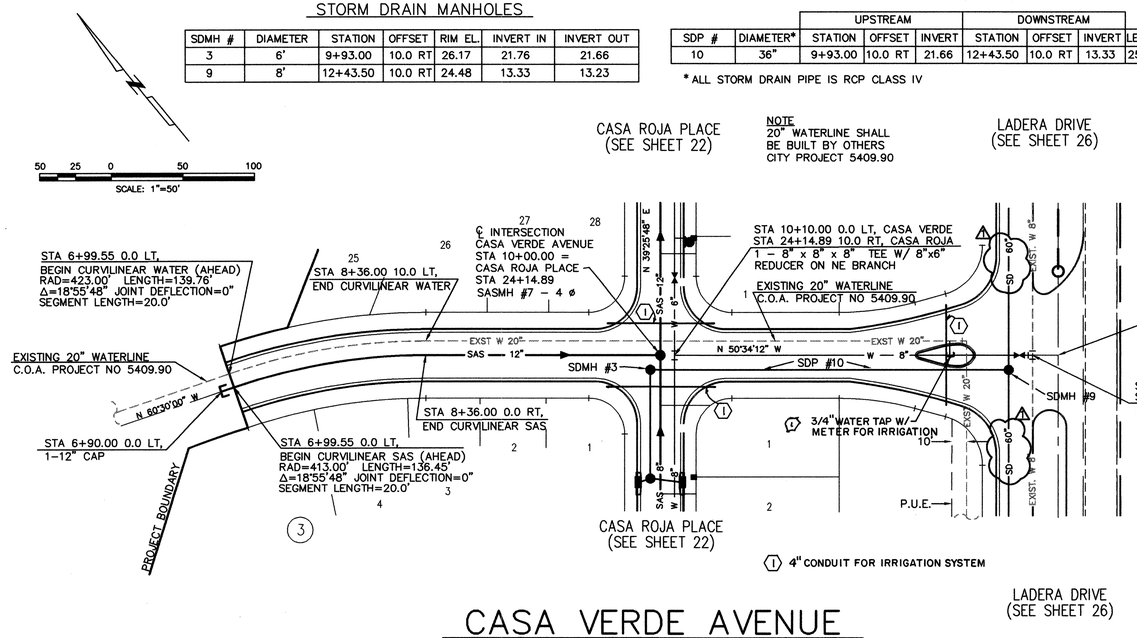
STORM DRAIN MANHOLES

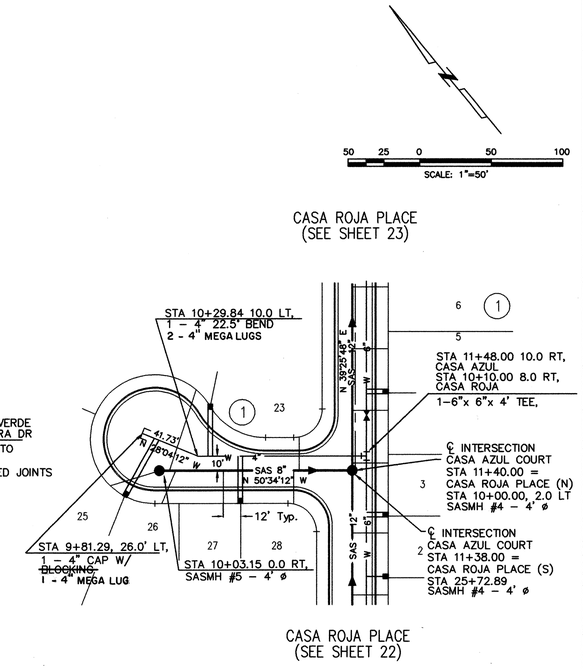
SDMH #	DIAMETER	STATION	OFFSET	RIM EL.	INVERT IN	INVERT OUT
3	6'	9+93.00	10.0 RT	26.17	21.76	21.66
9	8'	12+43.50	10.0 RT	24.48	13.33	13.23

STORM DRAIN PIPE

		UPSTREAM			DOWNSTREAM				
SDP #	DIAMETER*	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT	LENGTH	SLOPE
10	36"	9+93.00	10.0 RT	21.66	12+43.50	10.0 RT	13.33	250.50	3.33%

* ALL STORM DRAIN PIPE IS RCP CLASS IV





GENERAL NOTES:

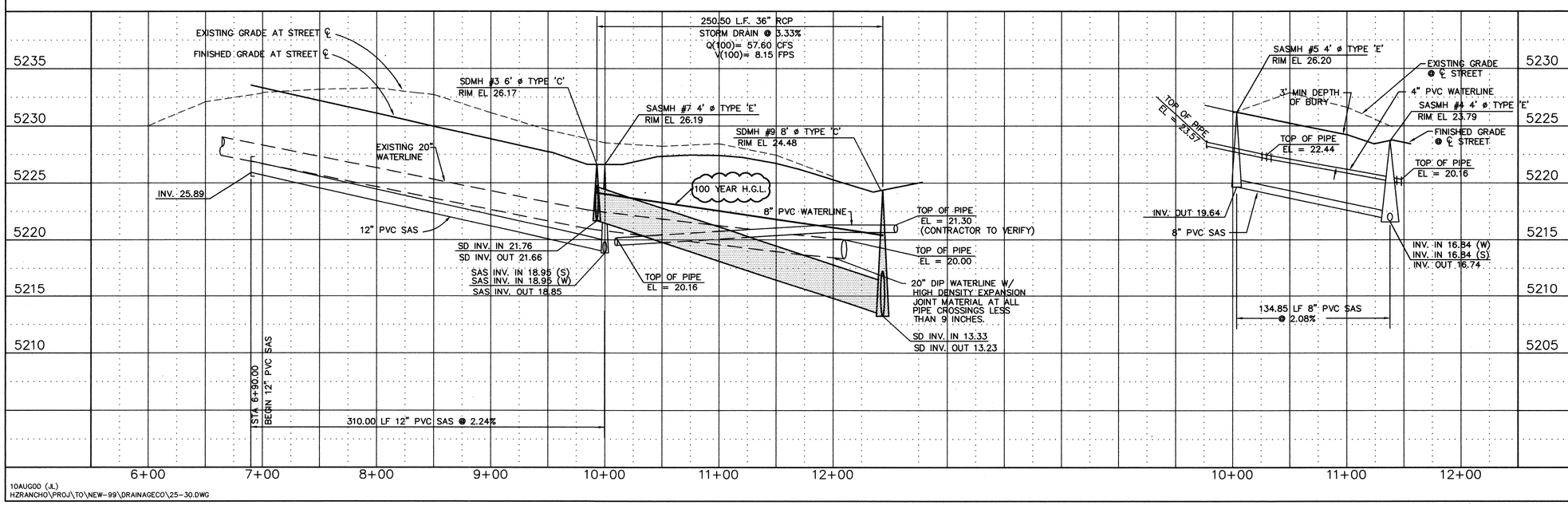
1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDER-GROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWERLINE COSTS.
2. ALL WATERLINE AND SEWERLINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINE SHALL HAVE RESTRAINED JOINTS PER TABLE THIS SHEET.
4. CONSTRUCT SAS SERVICES PER C.O.A. DWG #2125.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER C.O.A. DWG #2340.
6. CONSTRUCT ALL WATER SERVICES PER C.O.A. DWGS #2361, #2362, AND #2363.
7. UNLESS OTHERWISE NOTED, ALL SAS MANHOLES SHALL BE 4' DIAMETER, TYPE 'E' PER C.O.A. DWG #2102.
8. ALL CURVILINEAR SEWERLINES AND WATERLINES SHALL BE BENT ALONG PIPE SEGMENTS WITH 0.0° DEFLECTION AT PIPE JOINTS.
9. ALL SEWERLINES AND WATERLINES SHALL BE CONSTRUCTED OF PVC UNLESS SPECIFIED OTHERWISE.
10. ALL STORM DRAINS SHALL BE CONSTRUCTED OF RCP-CLASS IV UNLESS SPECIFIED OTHERWISE.
11. ALL ELEVATIONS ARE BASED ON A DATUM ELEVATION 5200 AS ESTABLISHED BY BENCH MARKS.

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	
FIRE HYDRANT	
MANHOLE	
CAP	
DROP INLET	SDI
PIPE TEE	
PIPE CROSS	
PIPE BEND	
WATER SERVICE SINGLE	
WATER SERVICE DOUBLE	
CURB AND GUTTER	
SEWER LINE	—SAS—
STORM DRAIN	—SD—
WATER LINE	—W—

RESTRAINED JOINT TABLE

JOINT	RESTRAIN LENGTH
4" GATE VALVE	61'
4" 22.5° HORZ. BEND	21'
4" 45° VERT. OFFSET	21'
6" GATE VALVE	61'
6" 22.5° HORZ. BEND	21'
6" 45° HORZ. BEND	21'
6" 45° VERT. OFFSET	21'
8" X 8" X 4" TEE	BRANCH 21' RUN 21'
8" X 8" X 6" TEE	BRANCH 21' RUN 21'
8" X 8" X 8" TEE	BRANCH 21' RUN 21'
8" GATE VALVE	81'
8" 11.25° HORZ. BEND	21'
8" 22.50° HORZ. BEND	21'
8" 45° HORZ. BEND	21'
8" 22.5° VERT. OFFSET	21'
8" 45° VERT. OFFSET	21'



ENGINEER'S CERTIFICATION

I, [signature], REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 5916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

SEWER SERVICE TABLE

CASA AZUL COURT		
BLOCK 1		
STATION @ PL	LOT	INV EL @ PL
STA 9+68.86	25	22.20
STA 10+04.96	26	21.30
STA 10+28.81	24	22.10
STA 10+47.96	27	20.30
STA 10+96.96	28	19.50
STA 11+02.66	23	19.30

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
UTILITY PLAN & PROFILE – CASA VERDE/CASA AZUL CT
TIERRA OESTE UNIT 1

Design Review Committee Only Engineer Approval

APPROVED DEC 1 9 2000 DESIGN REVIEW COMMITTEE

APPROVED DEC 1 9 2000 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	H–9&J–9	25	30

AS BUILT INFORMATION

CONTRACTOR Materialy Concrete Co. BY Scott Zellers
WORK INSPECTORS BY [signature] DATE 4-01
ACCEPTANCE BY Scott Zellers DATE 4-01
FIELD VERIFICATION BY Scott Zellers DATE 2-01
DRAWINGS CORRECTED BY Scott Zellers DATE 5-01-01
MICRO-FILM INFORMATION DATE
RECORDED BY
NO. C.O.A. 9-21-01 W.Pitts

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "BH–40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RUSSELL G. GRANSON NEW MEXICO 14237 PROFESSIONAL ENGINEER REGISTERED 10/31/00

NO.	DATE	REMARKS	BY
1	5/6/01	Conduct for irrigation and waterway under construction	RGG
0	9/11/00	LADERA DRIVE SD REDESIGN	

REVISIONS

		DATE
DESIGNED	RGG	19MAR96
DRAWN BY	RGG	19MAR96
CHECKED BY	RGG	20DEC99

10AUG00 (JL)
HZRANCHO\PROJ\TO\NEW-99\DRAINAGECO\25-30.DWG

STORM DRAIN PIPE

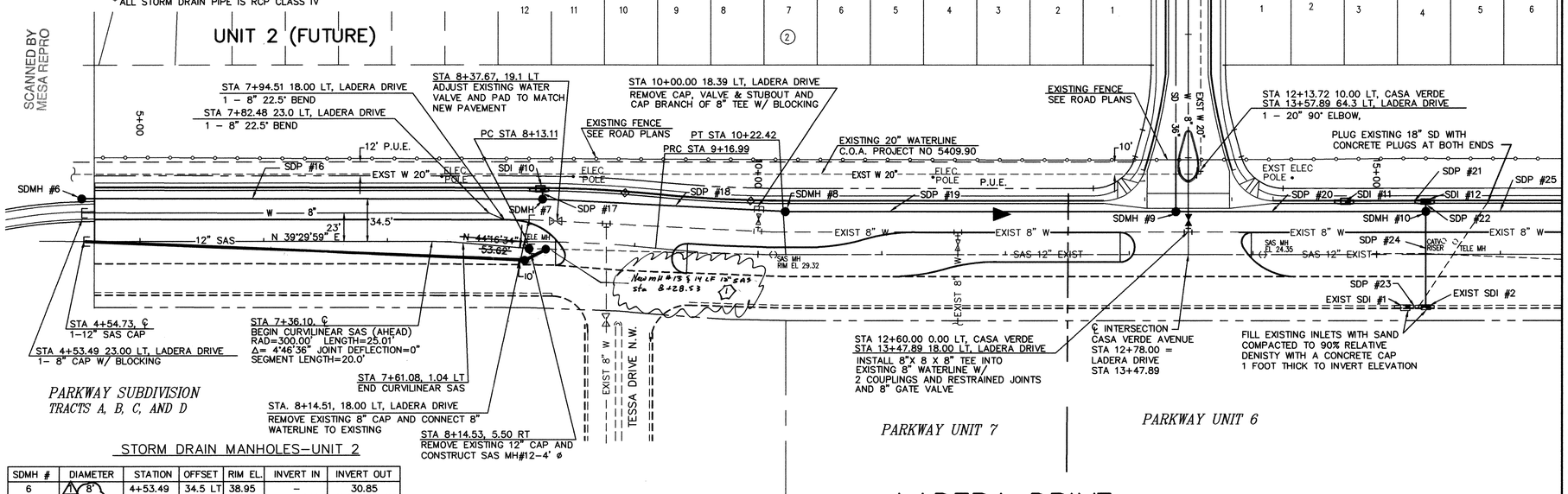
SDP #	DIAMETER*	UPSTREAM STATION	UPSTREAM OFFSET	UPSTREAM INVERT	DOWNSTREAM STATION	DOWNSTREAM OFFSET	DOWNSTREAM INVERT	LENGTH	SLOPE
16	60"	4+53.49	34.5 LT	30.85	8+25.31	34.5 LT	23.77	371.82	1.90%
17	18"	8+25.31	41.0 LT	27.50	8+25.31	34.5 LT	27.37	6.50	2.00%
18	60"	8+25.31	34.5 LT	23.67	10+22.22	34.5 LT	19.96	196.58	1.89%
19	60"	10+22.22	34.5 LT	19.86	13+37.89	34.5 LT	13.33	315.67	2.07%
20	60"	13+37.89	34.5 LT	13.23	15+40.00	34.5 LT	8.73	202.11	2.23%
21	18"	14+75.00	41.0 LT	17.67	15+40.00	41.0 LT	15.83	65.00	2.83%
22	18"	15+40.00	41.0 LT	15.73	15+40.00	34.5 LT	15.60	6.50	2.00%
23	18"	15+29.54	41.0 RT	16.29	15+40.00	41.0 RT	15.83	9.83	4.68%
24	18"	15+40.00	41.0 RT	10.73	15+40.00	34.5 LT	9.22	75.50	2.00%
25	60"	15+40.00	34.5 LT	8.63	18+15.00	34.5 LT	97.60	275.00	4.01%

*ALL STORM DRAIN PIPE IS RCP CLASS IV

STORM DRAIN INLETS

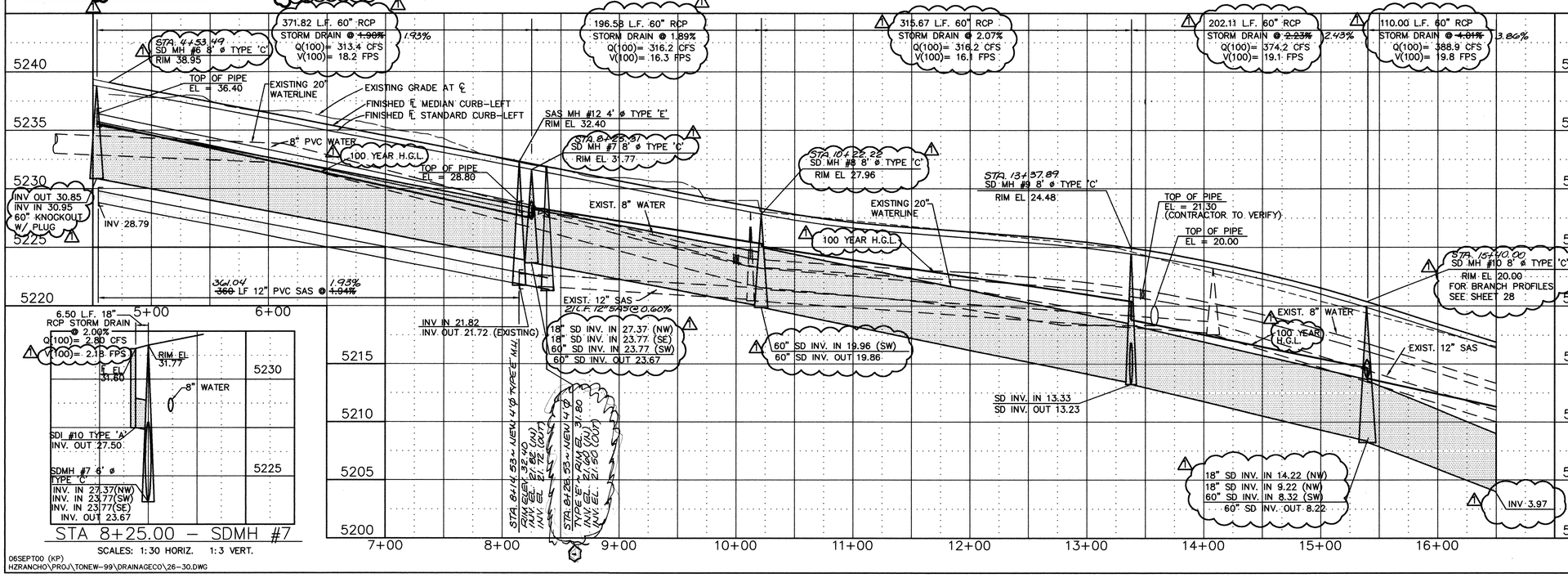
SDI #	TYPE	STATION	OFFSET	℄ EL.*	INVERT IN	INVERT OUT
10	'A'	8+25.31	41.0 LT	31.60	–	27.50
11	'A'	14+75.00	41.0 LT	21.67	–	17.67
12	DOUBLE 'C'	15+40.00	41.0 LT	19.83	15.83	15.73
EXIST #1	'A'	15+29.54	41.0 RT	20.29	–	16.29
EXIST #2	'C'	15+40.00	41.0 RT	19.83	15.83	10.73

*NORMAL GUTTER ℄



STORM DRAIN MANHOLES–UNIT 2

SDMH #	DIAMETER	STATION	OFFSET	RIM EL.	INVERT IN	INVERT OUT
6	8'	4+53.49	34.5 LT	38.95	–	30.85
7	8'	8+25.31	34.5 LT	31.77	23.77	23.67
8	8'	10+22.22	34.5 LT	27.96	19.96	19.86
9	8'	13+37.89	34.5 LT	24.48	13.33	13.23
10	8'	15+40.00	34.5 LT	20.00	8.32	8.22



STA 8+25.00 – SDMH #7

SCALES: 1:30 HORIZ. 1:3 VERT.

06SEPT00 (KP)
HZRANCHO\PROJ\TONEW-99\DRAINAGECO\26-30.DWG

GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDER-GROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWERLINE COSTS.
2. ALL WATERLINE AND SEWERLINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINE SHALL HAVE RESTRAINED JOINTS PER TABLE THIS SHEET.
4. CONSTRUCT SAS SERVICES PER C.O.A. DWG #2125.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER C.O.A. DWG #2340.
6. CONSTRUCT ALL WATER SERVICES PER C.O.A. DWGS #2361, #2362, AND #2363.
7. UNLESS OTHERWISE NOTED, ALL SAS MANHOLES SHALL BE 4' DIAMETER, TYPE 'E' PER C.O.A. DWG #2102.
8. ALL CURVILINEAR SEWERLINES AND WATERLINES SHALL BE BENT ALONG PIPE SEGMENTS WITH 0.0° DEFLECTION AT PIPE JOINTS.
9. ALL SEWERLINES AND WATERLINES SHALL BE CONSTRUCTED OF PVC UNLESS SPECIFIED OTHERWISE.
10. ALL STORM DRAINS SHALL BE CONSTRUCTED OF RCP–CLASS IV UNLESS SPECIFIED OTHERWISE.
11. ALL ELEVATIONS ARE BASED ON A DATUM ELEVATION 5200 AS ESTABLISHED BY BENCH MARKS.

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	
FIRE HYDRANT	
MANHOLE	
CAP	
DROP INLET	SDI
PIPE TEE	
PIPE CROSS	
PIPE BEND	
WATER SERVICE SINGLE	
WATER SERVICE DOUBLE	
CURB AND GUTTER	
SEWER LINE	—SAS—
STORM DRAIN	—SD—
WATER LINE	—W—

RESTRAINED JOINT TABLE

JOINT	RESTRAIN LENGTH
4" GATE VALVE	61'
4" 22.5° HORZ. BEND	21'
4" 45° VERT. OFFSET	21'
6" GATE VALVE	61'
6" 22.5° HORZ. BEND	21'
6" 45° HORZ. BEND	21'
6" 45° VERT. OFFSET	21'
8" X 8" X 4" TEE	BRANCH 21' RUN 21'
8" X 8" X 6" TEE	BRANCH 21' RUN 21'
8" X 8" X 8" TEE	BRANCH 21' RUN 21'
8" GATE VALVE	81'
8" 11.25° HORZ. BEND	21'
8" 22.50° HORZ. BEND	21'
8" 45° HORZ. BEND	21'
8" 22.5° VERT. OFFSET	21'
8" 45° VERT. OFFSET	21'

AS BUILT INFORMATION
CONTRACTOR Matlandy Concrete Co.
WORK STAKED BY Lewis Zellers DATE 4-01
INSPECTOR'S ACCEPTANCE BY [illegible] DATE 4-01
FIELD VERIFICATION BY Lewis Zellers DATE 2-01
DRAWINGS CORRECTED BY Lewis Zellers DATE 5-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. C.O.A. WMB 9-21-01

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH–40"
LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RUSSELL G. GRAYSON NEW MEXICO 14237 REGISTERED PROFESSIONAL ENGINEER
10/31/00

NO.	DATE	REMARKS	BY
1	1/31/01	Add SAS MH #13 and 14 of 12" SAS	JDF
0	9/14/00	LADERA DRIVE SD REDESIGN	RGG

REVISIONS

DESIGNED	RGG	DATE	19MAR96
DRAWN BY	RGG	DATE	19MAR96
CHECKED BY	RGG	DATE	20DEC99

DESIGN

ENGINEER'S CERTIFICATION

I, [signature], REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 226, HEREBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
UTILITY PLAN & PROFILE – LADERA DRIVE
TIERRA OESTE UNIT 1

Design Review Committee: APPROVED DEC 19 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 19 2000 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

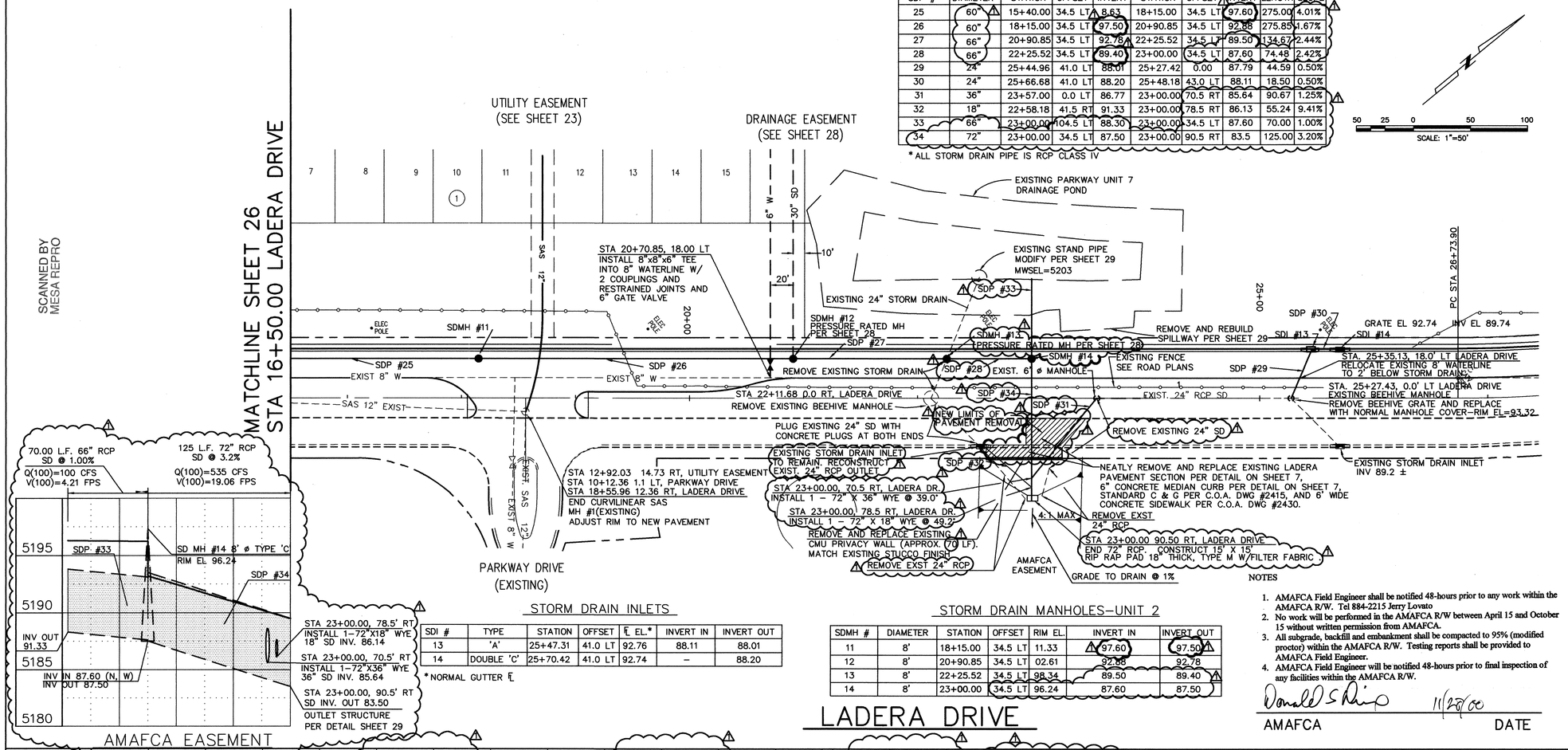
City Project No. 5297.90 | Zone Map No. H–9&J–9 | Sheet 26 Of 30

STORM DRAIN PIPE

SDP #	DIAMETER*	UPSTREAM STATION	UPSTREAM OFFSET	UPSTREAM INVERT	DOWNSTREAM STATION	DOWNSTREAM OFFSET	DOWNSTREAM INVERT	LENGTH	SLOPE
25	60"	15+40.00	34.5 LT	8.63	18+15.00	34.5 LT	97.60	275.00	4.01%
26	60"	18+15.00	34.5 LT	97.50	20+90.85	34.5 LT	92.88	275.85	1.67%
27	66"	20+90.85	34.5 LT	92.78	22+25.52	34.5 LT	89.50	134.67	2.44%
28	66"	22+25.52	34.5 LT	89.40	23+00.00	34.5 LT	87.60	74.48	2.42%
29	24"	25+44.96	41.0 LT	88.01	25+27.42	0.00	87.79	44.59	0.50%
30	24"	25+66.68	41.0 LT	88.20	25+48.18	43.0 LT	88.11	18.50	0.50%
31	36"	23+57.00	0.0 LT	86.77	23+00.00	70.5 RT	85.64	90.67	1.25%
32	18"	22+58.18	41.5 RT	91.33	23+00.00	78.5 RT	86.13	55.24	9.41%
33	66"	23+00.00	104.5 LT	88.30	23+00.00	34.5 LT	87.60	70.00	1.00%
34	72"	23+00.00	34.5 LT	87.50	23+00.00	90.5 RT	83.5	125.00	3.20%

* ALL STORM DRAIN PIPE IS RCP CLASS IV

SCALE: 1"=50'



STORM DRAIN INLETS

SDI #	TYPE	STATION	OFFSET	℄ EL.*	INVERT IN	INVERT OUT
13	'A'	25+47.31	41.0 LT	92.76	88.11	88.01
14	DOUBLE 'C'	25+70.42	41.0 LT	92.74	–	88.20

* NORMAL GUTTER ℄

STORM DRAIN MANHOLES–UNIT 2

SDMH #	DIAMETER	STATION	OFFSET	RIM EL.	INVERT IN	INVERT OUT
11	8'	18+15.00	34.5 LT	11.33	97.60	97.50
12	8'	20+90.85	34.5 LT	02.61	92.88	92.78
13	8'	22+25.52	34.5 LT	98.34	89.50	89.40
14	8'	23+00.00	34.5 LT	96.24	87.60	87.50

LADERA DRIVE

NOTES

1. AMAFCA Field Engineer shall be notified 48-hours prior to any work within the AMAFCA R/W. Tel 884-2215 Jerry Lovato
2. No work will be performed in the AMAFCA R/W between April 15 and October 15 without written permission from AMAFCA.
3. All subgrade, backfill and embankment shall be compacted to 95% (modified proctor) within the AMAFCA R/W. Testing reports shall be provided to AMAFCA Field Engineer.
4. AMAFCA Field Engineer will be notified 48-hours prior to final inspection of any facilities within the AMAFCA R/W.

Donald S Rhinp 11/28/00

AMAFCA DATE

GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDER-GROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWERLINE COSTS.
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7. UNLESS OTHERWISE NOTED, ALL SAS MANHOLES SHALL BE 4' DIAMETER, TYPE 'E' PER C.O.A. DWG #2102.
8. ALL CURVILINEAR SEWERLINES AND WATERLINES SHALL BE BENT ALONG PIPE SEGMENTS WITH 0.0° DEFLECTION AT PIPE JOINTS.
9. ALL SEWERLINES AND WATERLINES SHALL BE CONSTRUCTED OF PVC UNLESS SPECIFIED OTHERWISE.
10. ALL STORM DRAINS SHALL BE CONSTRUCTED OF RCP–CLASS IV UNLESS SPECIFIED OTHERWISE.
11. ALL ELEVATIONS ARE BASED ON A DATUM ELEVATION 5200 AS ESTABLISHED BY BENCH MARKS.
12. SEE SHEETS 19 AND 20 FOR INFORMATION REGARDING TRAFFIC CONTROL PLANS FOR THE CONSTRUCTION OF STORM DRAIN IMPROVEMENTS WITHIN THE EXISTING CONSTRUCTED PORTION OF LADERA DRIVE.

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	
FIRE HYDRANT	
MANHOLE	
CAP	
DROP INLET	SDI
PIPE TEE	
PIPE CROSS	
PIPE BEND	
WATER SERVICE SINGLE	
WATER SERVICE DOUBLE	
CURB AND GUTTER	
SEWER LINE	—SAS—
STORM DRAIN	—SD—
WATER LINE	—W—

RESTRAINED JOINT TABLE

JOINT	RESTRAIN LENGTH
4" GATE VALVE	61'
4" 22.5° HORZ. BEND	21'
4" 45° VERT. OFFSET	21'
6" GATE VALVE	61'
6" 22.5° HORZ. BEND	21'
6" 45° HORZ. BEND	21'
6" 45° VERT. OFFSET	21'
8" X 8" X 4" TEE	BRANCH 21' RUN 21'
8" X 8" X 6" TEE	BRANCH 21' RUN 21'
8" X 8" X 8" TEE	BRANCH 21' RUN 21'
8" GATE VALVE	81'
8" 11.25° HORZ. BEND	21'
8" 22.50° HORZ. BEND	21'
8" 45° HORZ. BEND	21'
8" 22.5° VERT. OFFSET	21'
8" 45° VERT. OFFSET	21'

ENGINEER'S CERTIFICATION

I, [signature], REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 7916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-6141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

AS BUILT INFORMATION
CONTRACTOR Rabinsky Concrete Co.
WORK STAKED BY Jesse Silva DATE 4-01
AS-BUILTS BY Huitt Zollars DATE 4-01
ACCEPTANCE BY [illegible] DATE 2-01
VERIFICATION BY [illegible] DATE 5-01
DRAWINGS REVIEWED BY Huitt Zollars DATE 5-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. C.O.A. W/ mtg 9-21-01

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH–40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
RUSSELL G. GRANSON NEW MEXICO 14237 PROFESSIONAL ENGINEER 10/31/00

NO.	DATE	REVISIONS	BY
1	9/14/00	LADERA DRIVE SD REDESIGN	RGG

DESIGNED	RGG	DATE	19MAR96
DRAWN BY	RGG	DATE	19MAR96
CHECKED BY	RGG	DATE	2DEC99

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
UTILITY PLAN & PROFILE – LADERA DRIVE
TIERRA OESTE UNIT 1

Design Review Committee: APPROVED DEC 19 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 19 2000 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5297.90 | Zone Map No. H–9&J–9 | Sheet 27 Of 30

08NOV00 (CG)
HZRANCHO\PROJ\TO\NEW-99\DRAINAGECO\27-30.DWG

SCANNED BY MESA REPRO

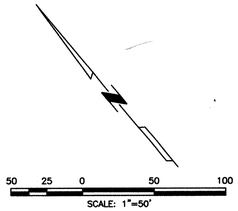
STORM DRAIN MANHOLES

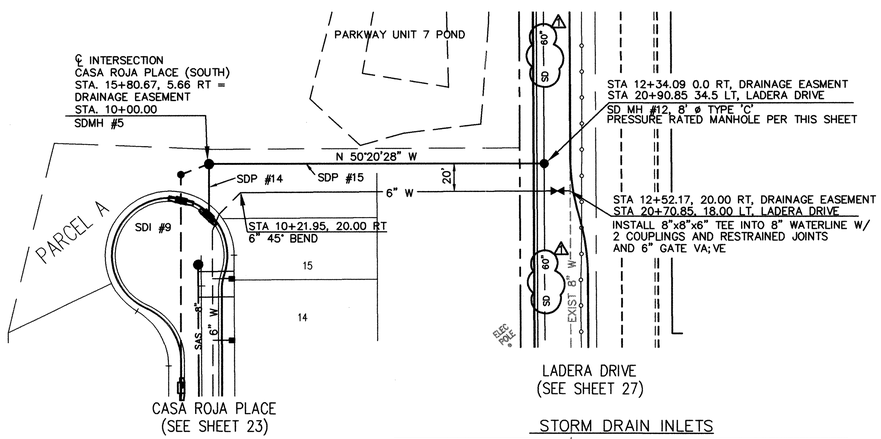
SDMH #	DIAMETER	STATION	OFFSET	RIM EL.	INVERT IN	INVERT OUT
5	4'	10+00.00	0.00	11.20	4.80	4.70
12	8'	12+34.09	0.00	02.61	98.08	92.78

STORM DRAIN PIPE

SDP #	DIAMETER*	UPSTREAM			DOWNSTREAM			LENGTH	SLOPE
		STATION	OFFSET	INVERT	STATION	OFFSET	INVERT		
14	18"	9+65.30	0.00	6.60	10+00.00	5.66	4.80	34.70	5.19%
15	30"	10+00.00	0.00	4.70	12+34.09	0.00	98.08	234.09	2.83%

* ALL STORM DRAIN PIPE IS RCP CLASS IV



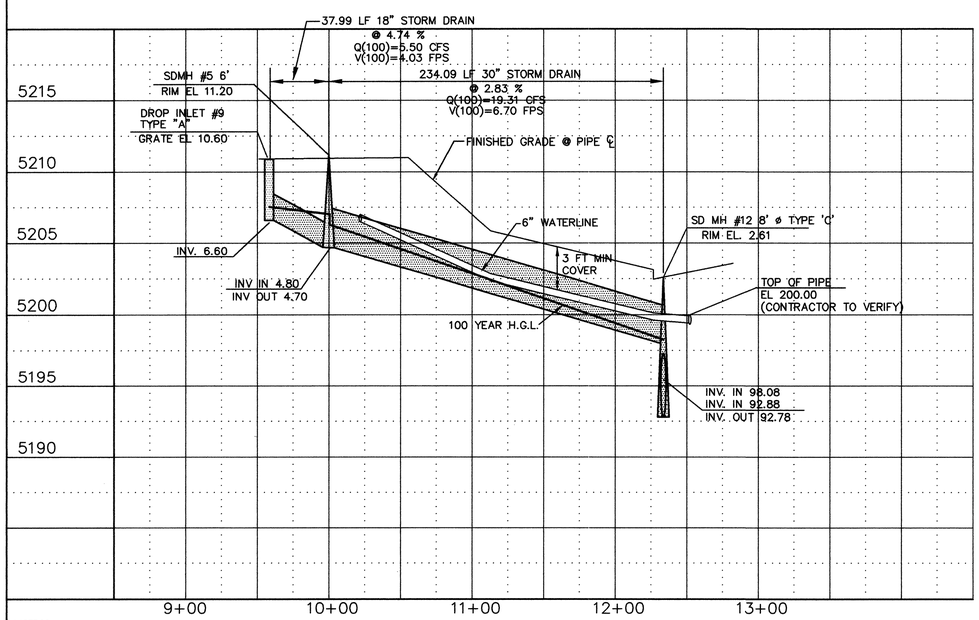


STORM DRAIN INLETS

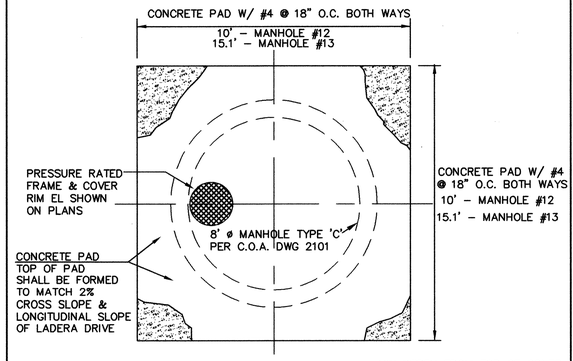
SDI #	TYPE	STATION*	OFFSET	FL EL**	INVERT IN	INVERT OUT
9	'A'	15+49.50	5.66 RT	10.60	–	6.60

* CASA ROJA ℄ STATION
** NORMAL GUTTER ℄

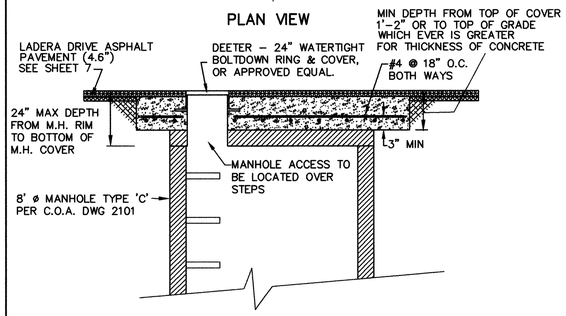
DRAINAGE EASEMENT



14SEP00
HZRANCHO\PROJ\TO\NEW-99\DRAINGAECO\28-30.DWG



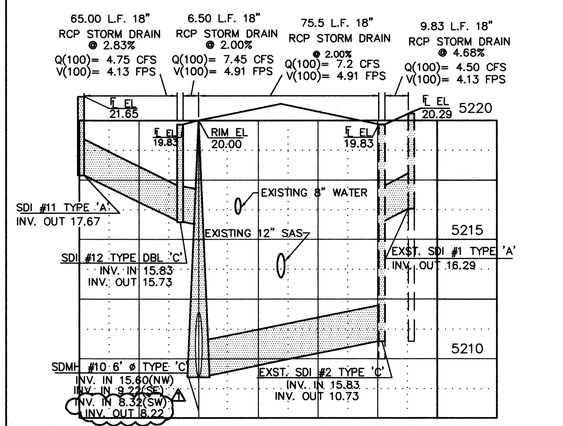
PLAN VIEW



PROFILE VIEW

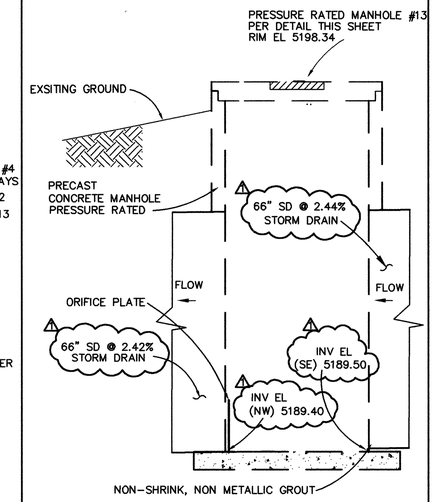
PRESSURE RATED MANHOLE

SDMH #12 AND #13

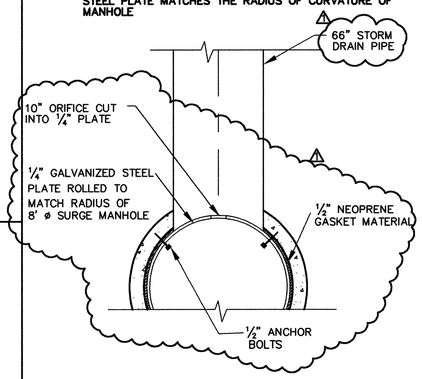


STA 15+29.54.00 – LADERA DRIVE SDMH #10

SCALES: 1:30 HORIZ. 1:3 VERT.

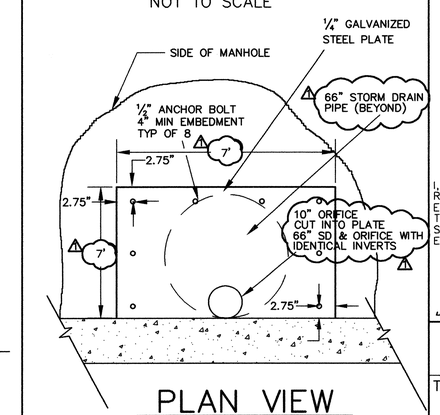


*NOTE: THE RADUIS OF CURVATURE OF ¼" GALVANIZED STEEL PLATE MATCHES THE RADIUS OF CURVATURE OF MANHOLE



TOP VIEW

NOT TO SCALE



PLAN VIEW

ORIFICE DETAIL
SDMH #13

NOT TO SCALE

GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDER-GROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWERLINE COSTS.
2. ALL WATERLINE AND SEWERLINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINE SHALL HAVE RESTRAINED JOINTS PER TABLE THIS SHEET.
4. CONSTRUCT SAS SERVICES PER C.O.A. DWG #2125.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER C.O.A. DWG #2340.
6. CONSTRUCT ALL WATER SERVICES PER C.O.A. DWGS #2361, #2362, AND #2363.
7. UNLESS OTHERWISE NOTED, ALL SAS MANHOLES SHALL BE 4' DIAMETER, TYPE 'E' PER C.O.A. DWG #2102.
8. ALL CURVILINEAR SEWERLINES AND WATERLINES SHALL BE BENT ALONG PIPE SEGMENTS WITH 0.0° DEFLECTION AT PIPE JOINTS.
9. ALL SEWERLINES AND WATERLINES SHALL BE CONSTRUCTED OF PVC UNLESS SPECIFIED OTHERWISE.
10. ALL STORM DRAINS SHALL BE CONSTRUCTED OF RCP-CLASS IV UNLESS SPECIFIED OTHERWISE.
11. ALL ELEVATIONS ARE BASED ON A DATUM ELEVATION 5200 AS ESTABLISHED BY BENCH MARKS.

LEGEND

DESCRIPTION	PROPOSED
WATER VALVE	
FIRE HYDRANT	
MANHOLE	
CAP	
DROP INLET	SDI
PIPE TEE	
PIPE CROSS	
PIPE BEND	
WATER SERVICE SINGLE	
WATER SERVICE DOUBLE	
CURB AND GUTTER	
SEWER LINE	—SAS—
STORM DRAIN	—SD—
WATER LINE	—W—

AS BUILT INFORMATION
CONTRACTOR Mandalay Concrete
WORK STAKED BY Hewitt Zollars DATE 4-01
INSPECTOR'S ACCEPTANCE BY [illegible] DATE 4-01
FIELD VERIFICATION BY [illegible] DATE 2-01
DRAWINGS CORRECTED BY Hewitt Zollars DATE 5-01
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. B.C.A. 11,116 9-21-01

BENCH MARKS
ALBUQUERQUE ACS MONUMENT "BH-40"
LOCATED APPROXIMATELY 623' NORTH OF
AND 888' WEST OF THE NORTHWEST
CORNER OF UNIT 1 BETWEEN TWO POWER
POLES.
ELEVATION = 5305.43

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
RUSSELL G. GRAYSON
NEW MEXICO
14237
REGISTERED PROFESSIONAL ENGINEER
10/5/00

NO.	DATE	REMARKS	BY
1	9/14/00	LADERA DRIVE SD REDESIGN	RGG

REVISIONS

DESIGNED	RGG	DATE	19MAR96
DRAWN BY	RGG	DATE	19MAR96
CHECKED BY	RGG	DATE	20DEC99

DESIGN

ENGINEER'S CERTIFICATION

I, [signature], REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9216, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
UTILITY PLAN & PROFILE
TIERRA OESTE UNIT 1

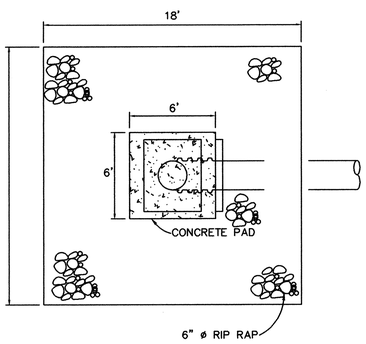
Design Review Committee: APPROVED DEC 19 2000 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 19 2000 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	H-9&J-9	28	30

NOT APPLICABLE

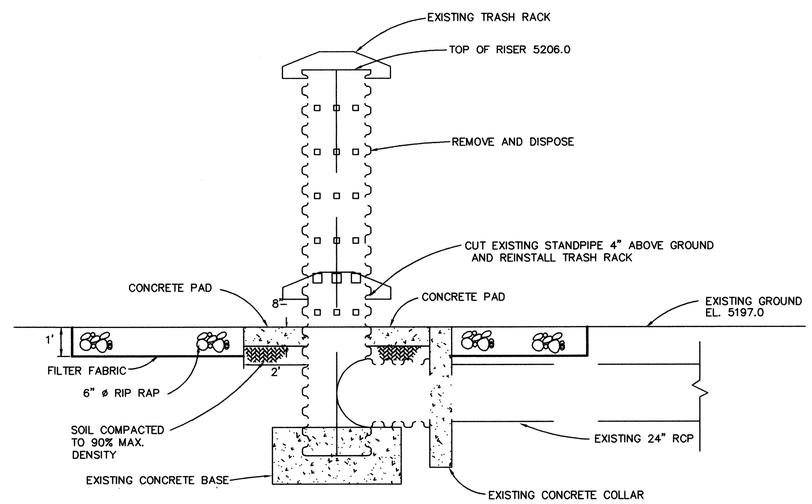
OUTLET STRUCTURE DETAIL

N.T.S



PLAN

N.T.S

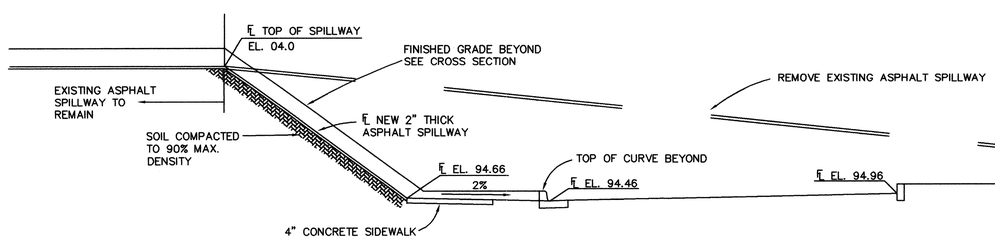


ELEVATION

N.T.S

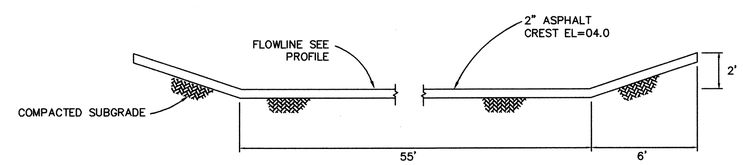
RISER PIPE DETAIL

N.T.S



EMERGENCY SPILLWAY

N.T.S



EMERGENCY SPILLWAY CROSS SECTION

N.T.S

GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDER-GROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWERLINE COSTS.
2. ALL WATERLINE AND SEWERLINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINE SHALL HAVE RESTRAINED JOINTS AS NOTED ON SHEET 29.
4. CONSTRUCT SAS SERVICES PER C.O.A. DWG #2125.
5. CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER C.O.A. DWG #2340.
6. CONSTRUCT ALL WATER SERVICES PER C.O.A DWGS #2361, #2362, AND #2363.
7. UNLESS OTHERWISE NOTED, ALL SAS MANHOLES SHALL BE 4' DIAMETER, TYPE 'E' PER C.O.A. DWG #2102.
8. ALL CURVILINEAR SEWERLINES AND WATERLINES SHALL BE BENT ALONG PIPE SEGMENTS WITH 0.0" DEFLECTION AT PIPE JOINTS.
9. ALL SEWERLINES AND WATERLINES SHALL BE CONSTRUCTED OF PVC UNLESS SPECIFIED OTHERWISE.
10. ALL STORM DRAINS SHALL BE CONSTRUCTED OF RCP-CLASS IV UNLESS SPECIFIED OTHERWISE.
11. ALL ELEVATIONS ARE BASED ON A DATUM ELEVATION 5200 AS ESTABLISHED BY BENCH MARKS.

AS BUILT INFORMATION

CONTRACTOR	Mesalands Construction
WORK STAKED BY	Hurst Zollars DATE 4-01
INSPECTOR'S ACCEPTANCE BY	Jeff Forster DATE 4-01
FIELD VERIFICATION BY	Jeff Forster DATE 2-01
DRAWINGS CORRECTED BY	Hurst Zollars DATE 5-01

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	C.O.A. w/ mls 9-21-01

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.

ELEVATION = 5305.43

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

RUSSELL G. GRANTSON NEW MEXICO 14237 REGISTERED PROFESSIONAL ENGINEER 10/21/00

NO.	DATE	REMARKS	BY
1	9/14/00	LADERA DRIVE SD REDESIGN	RGG

REVISIONS

DESIGN		
DESIGNED	RGG	DATE 19MAR96
DRAWN BY	RGG	DATE 19MAR96
CHECKED BY	RGG	DATE 20DEC99

ENGINEER'S CERTIFICATION

I, [signature], REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 8966, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 8-1-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E., STE. 101
RIO RANCHO, N.M., 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
DRAINAGE DETAILS
TIERRA OESTE UNIT 1

Design Review Committee: APPROVED DEC 19 2000 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED DEC 19 2000 CITY ENGINEER

Mo./Day/Yr. — Last Design Update — Mo./Day/Yr.

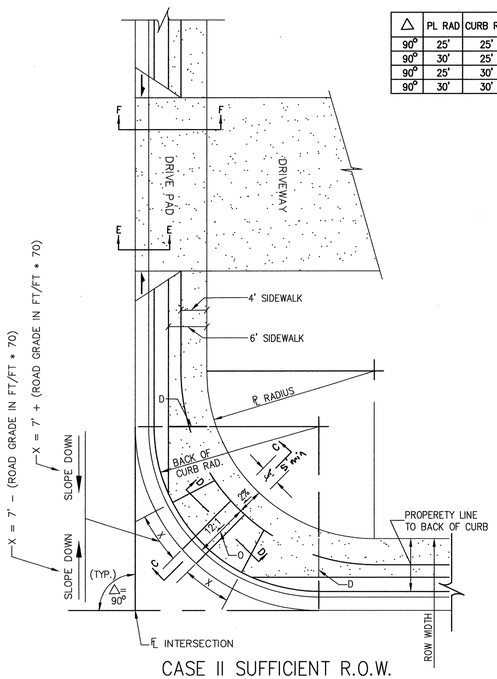
AMAFCA — 11/28/00 DATE

City Project No.	Zone Map No.	Sheet	Of
5297.90	H-9&J-9	29	30

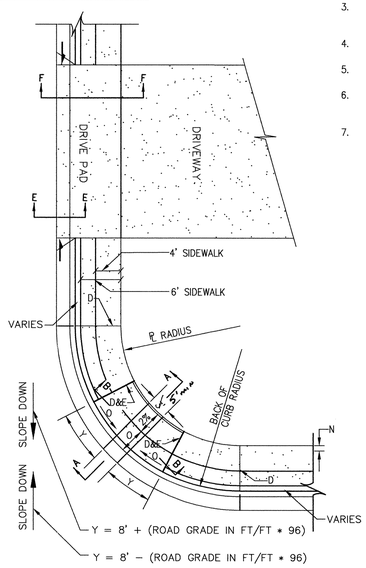
10AUG00 (JL)
HZRANCHO\PROJ\TO\NEW-99\DRAINAGECO\29-30.DWG

SCANNED BY
MESA REPRO

△	PL RAD	CURB RAD	PL CURB WIDTH	BK S/W RAD
90°	25'	25'	4"	25'
90°	30'	25'	4"	30'
90°	25'	30'	4"	25'
90°	30'	30'	4"	30'



CASE II SUFFICIENT R.O.W.
FOR FULL LENGTH RAMP



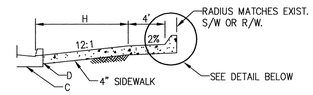
CASE I INSUFFICIENT R.O.W.
FOR FULL LENGTH RAMP

GENERAL NOTES

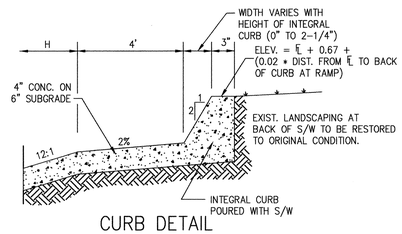
1. WHEEL CHAIR RAMPS ARE NORMALLY TO BE LOCATED AT THE CENTER OF THE RETURN OR AS APPROVED BY THE ENGINEER.
2. SURFACE TEXTURE OF WHEEL CHAIR RAMPS SHALL BE OBTAINED BY HEAVY BROOMING (TEXTURE DEPTH 0.035"), TRAVERSE TO THE SLOPE OF THE RAMP.
3. GUTTER FLOW LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP. DRAINAGE CATCH BASIN STRUCTURES SHALL NOT BE PLACED IN LINE WITH RAMPS.
4. SUBGRADE SHALL BE COMPACTED TO 95% D1557. CONCRETE SHALL MEET 3,000 PSI, 28 DAY STRENGTH.
5. USE 1/2" EXP. JT. WHERE SIDEWALK OR DRIVEPAD ABUTS BLDGS., FENCES, WALLS OR OTHER IMMOVABLE OBJECTS.
6. ALL DRIVEPADS SHALL BE A MIN. OF 6.5' IN DEPTH OR SHALL BE CONSTRUCTED FROM BACK OF CURB TO PROP. LINE, WHICHEVER IS GREATER.
7. DRIVEPADS WIDER THAN 18' (NOMINAL) SHALL HAVE 1/2" EXP. JT. AT MIDPOINT. DRIVEPADS WIDER THAN 36' SHALL HAVE 1/2" EXP. JT., 18' MAX BETWEEN JOINTS EQUALLY SPACED.

CONSTRUCTION NOTES

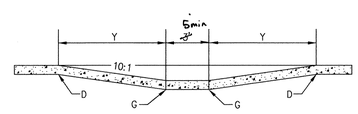
A. SLOPE OF GUTTER DEPENDENT ON REQUIREMENTS FOR VALLEY GUTTER.
B. 1/2" LIP ABOVE FLOW LINE.
C. CURB & GUTTER.
D. 1/2: EXPANSION JOINT.
E. RADIAL LINES CONCENTRIC WITH FLOW LINE RADIUS.
F. 8" AT FACE OF CURB.
G. CONTRACTION (DUMMY) JOINT.
H. VARIES WITH AVAILABLE R.O.W.
J. VARIABLE.
K. HEADER CURB.
L. 6' AT FACE OF CURB.
M. BACK OF SIDEWALK RADIUS TO BE ESTABLISHED SO AS TO MAINTAIN 12' LENGTH OF RAMP.
N. 4-1/2" MAX.
O. 12:1 SLOPE MAXIMUM ON RAMP.



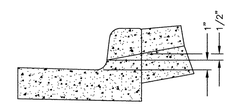
ALTERNATIVE SECTION A–A



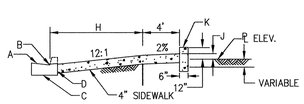
CURB DETAIL



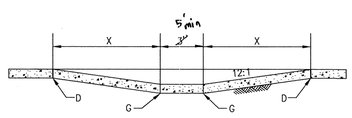
SECTION D–D



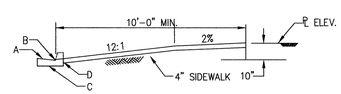
SECTION E–E



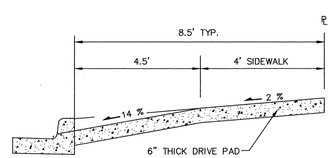
SECTION A–A



SECTION B–B



SECTION C–C



SECTION F–F

03JAN00 (TE)
HZRANCHO\PROJ\TO\ORIG-NEW-99\DWG\UNIT1\30-30.DWG

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ALBUQUERQUE ACS MONUMENT "BH-40" LOCATED APPROXIMATELY 623' NORTH OF AND 888' WEST OF THE NORTHWEST CORNER OF UNIT 1 BETWEEN TWO POWER POLES.
ELEVATION = 5305.43

AS BUILT INFORMATION

CONTRACTOR	MELENDEZ CONCRETE CO.	
SURVEYED BY STAKED BY	Huitt Zollars	DATE
INSPECTOR'S ACCEPTANCE BY	J.P. Gassner Huitt Zollars	DATE 4-01
FIELD VERIFICATION BY	Sam Hill, Patrick Briggs, Matt T.	DATE 2-01
DRAWINGS CORRECTED BY	Huitt Zollars	DATE 5-01
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL

ROBERT G. GRAYSON
NEW MEXICO
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
(4237)
1/3/00

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN		
DESIGNED	WLB	2MAY96
DRAWN BY	GMA	2MAY96
CHECKED BY	RGG	20EC99

ENGINEER'S CERTIFICATION

I, _____ REGISTERED IN NEW MEXICO AS A PROFESSIONAL ENGINEER NO. 9916, HERBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THIS PLAN, EXCEPT AS NOTED. DATE 5-1-01

CINFRAN/HUITT-ZOLLARS
333 RIO RANCHO DR. N.E. STE. 101
RIO RANCHO, N.M. 87124
(505) 892-5141
LAND PLANNING / ENGINEERING / ENVIRONMENT / SUBDIVISION DEVELOPMENT / SURVEYING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: WESTLAND DEVELOPMENT CO., INC.
TYPICAL SECTIONS
TIERRA OESTE UNIT 1

APPROVED
Design Review Committee: FEB 27 2000 — DESIGN REVIEW COMMITTEE
City Engineer Approval: AUG 16 2000 — CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5297.90	J-9-Z	30	30