CONSTRUCTION PLANS
FOR
RANCHO SERENO SUBDIVISION
UNIT V
ALBUQUERQUE, NEW MEXICO

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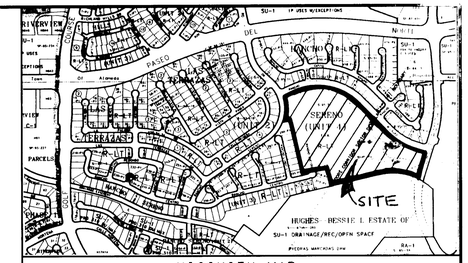


VICINITY MAP

NTS: ZONE ATLAS MAP NO. C-12

NOTICE TO CONTRACTORS

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 AND SHALL INCLUDE UPDATE No.6
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. 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 OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
5. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
6. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THE PROJECT LIMITS NOT SHOWN ON THE PLANS THAT IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT DESIGNER'S EXPENSE.
7. ANY WORK WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

26-4569.97 01/97

Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice — 7/31/97
Rhonda L. Hice — Date
PS NO. 11953

RHONDA L. HICE — NEW MEXICO — 11953 — REGISTERED PROFESSIONAL SURVEYOR

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

ENGINEERS STAMP & APPROVAL

JAMES R. TOPMILLER — NEW MEXICO — 9354 — REGISTERED PROFESSIONAL ENGINEER

11/20/96

APPROVALS	ENGINEER	DATE
DRC Chairman		2-7-97
Transportation		1-10-96
Water/Wastewater		1-8-96
Hydrology		1-9-97
C.I.P.		
Constr. Mngmt.		1-16-97

APPROVED FOR CONSTRUCTION

City Engineer — Date 3/4/97

CITY PROJECT NO. 4569.97

SHEET 1 OF 22

DRB #95-389

BHI JOB NO. 96436A2400

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

USERNAME: CDP:EC96436A2400.PADJTITLE.GRF

SCANNED BY BY LASON

COPYRIGHT BOHANNAN-HUSTON, INC. 1996
DATE: NOVEMBER, 1996

SP 00000000000000

PLAT OF

RANCHO SERENO SUBDIVISION UNIT V

ALBUQUERQUE, NEW MEXICO
DECEMBER, 1996

LOCATION MAP

ZONE ATLAS INDEX MAP No. C-12-Z
NOT TO SCALE

SUBDIVISION DATA

1. D.R.B. No._____
2. Gross subdivision area: 22.2106 acred
3. Total number of lots created: ninty-four (94) lots
4. 4.8317 acres of public street right-of-way dedicated with the filing of this plat.
5. This plat shows existing easements.
6. Date of survey: May 1994
7. This site is located within Section 13, T11N, R2E, N.M.P.M.

NOTES

1. Bearings are New Mexico State Plane grid Bearings (Central Zone).
2. Distances are ground distances.
3. Centerline (in lieu of r/w) monumentation to be installed, as shown on Sheet 2, prior to acceptance of subdivision improvements and will consist of a standard four-inch (4") aluminum alloy cap stamped "City of Albuquerque, Centerline Monumentation, Survey Marker, Do Not Disturb, PLS 5978".
4. City of Albuquerque Water and Sanitary Sewer Service to RANCHO SERENO SUBDIVISION, UNIT V must be verified and coordinated with the Public Works Department, City of Albuquerque.
5. Lots 317 thru 410, inclusive, are designated as "P-1" lots and shall conform to item 1, Intermittent Parking Criteria. This requires four (4) off street parking spaces per lot for homes containing four (4) bedrooms or less, which can be provided by a two-car garage with driveway. Homes containing five (5) bedrooms will require three-car garages.
6. The 1200 square feet of open space required by the R-LT zone will be met on site for each lot.

DISCLOSURE STATEMENT

The purpose of this replat is to subdivide TRACT F-1-A, dedicate public street right-of-way, grant easements, and to vacate easements.

PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS shown on this plat are ten (10) feet wide and are for the common joint use of:

A. PNM Electric Services for the installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment, fixtures, structures and related facilities reasonably necessary to provide electrical service.

B. PNM Gas Services for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.

C. U.S. West for the installation, maintenance and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and closures.

D. Jones Intercable for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable TV service.

E. New Mexico Utilities, Inc. for the installation, maintenance and service of underground water and sanitary sewer lines across the easement (But not parallel within).

Included is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with free access to, from, and over said 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 (above ground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electric Safety Code caused by construction of pools, decking, or any structures adjacent to or near easements shown on this plat.

DESCRIPTION

A certain tract of land situate within Section 13, Township 11 North, Range 2 East, New Mexico Principal Meridian, city of Albuquerque, Bernalillo County, New Mexico. Said tract being all of TRACT F-1-A, RANCHO SERENO SUBDIVISION, UNIT IV, as the same is shown and designated on the plat thereof, recorded in the office of the County Clerk of Bernalillo County, New Mexico on January 4, 1996 in Volume 96C, Folio 3 as Document No.96001228 and being more particularly described by New Mexico State Plane Grid Bearings (Central Zone NAD 1927) and ground distances as follows:

BEGINNING at the southeast corner of said TRACT F-1-A, a point on the westerly right-of-way line of Eagle Ranch Road N.W., whence the City of Albuquerque survey monument "R. Alameda B. No. 2", having New Mexico State Plane Grid Coordinates for Central Zone (NAD 1927), X=373,513.20 and Y=1,520,142.81 bears N75°03'15"E, a distance of 418.82 feet and from said point of beginning leaving said right-of-way line and running thence along the southerly boundary line of said TRACT F-1-A,
S65°30'13"W, a distance of 218.43 feet to a point of curvature (non-tangent); thence,
202.19 feet along the arc of a curve to the left having a radius of 600.00 feet and a chord which bears S88°26'27"W a distance of 201.23 feet to a point of tangency; thence,
S78°47'13"W, a distance of 70.00 feet to a point; thence,
S77°00'08"W, a distance of 494.71 feet to a point; thence,
N12°59'52"W, a distance of 200.00 feet to a point; thence,
S77°00'08"W, a distance of 114.49 feet to a point on the easterly right-of-way line of Rancho Centro; thence crossing said Rancho Centro,
N85°33'33"W, a distance of 50.11 feet to a point on a curve on the northwesterly right-of-way line of said Rancho Centro; thence running along said right-of-way line,
63.32 feet along the arc of a curve to the right having a radius of 50.00 feet and a chord which bears S40°43'17"W, a distance of 59.17 feet to a point of tangency; thence,
S77°00'08"W, a distance of 58.00 feet to the southwest corner of said TRACT F-1-A; thence running along the westerly boundary line of said TRACT F-1-A,
N12°59'52"W, a distance of 590.00 feet to a point; thence,
S77°00'08"W, a distance of 72.66 feet to a point on a curve on the easterly right-of-way line of Rancho Sereno; thence running along the westerly boundary line of said TRACT F-1-A and also along said right-of-way line,
271.40 feet along the arc of a curve to the left having a radius of 405.00 feet and a chord which bears N03°08'56"E, a distance of 266.35 feet to the northwest corner of said TRACT F-1-A and also being a point of reverse curvature on the southerly right-of-way line of Rancho Milagro; thence running along the northerly boundary line of said TRACT F-1-A and also along said southerly right-of-way line,
42.69 feet along the arc of a curve to the right having a radius of 30.00 feet and a chord which bears N24°43'17"E, a distance of 39.18 feet to a point of tangency; thence,
N65°29'28"E, a distance of 100.15 feet to a point of curvature; thence,
751.09 feet along the arc of a curve to the right having a radius of 616.00 feet and a chord which bears S79°34'42"E, a distance of 705.42 feet to a point of tangency; thence,
S44°38'53"E, a distance of 445.99 feet to a point of curvature; thence,
334.33 feet along the arc of a curve to the left having a radius of 684.00 feet and a chord which bears S58°39'02"E, a distance of 331.01 feet to a point of tangency; thence,
S72°39'11"E, a distance of 65.00 feet to a point of curvature; thence,
47.12 feet along the arc of a curve to the right having a radius of 30.00 feet and a chord which bears S27°39'10"E, a distance of 42.43 feet to the northeast corner of said TRACT F-1-A and also being a point on the westerly right-of-way line of Eagle Ranch Road N.W., thence running along the easterly boundary line of said TRACT F-1-A and also along said right-of-way line,
S17°20'50"W, a distance of 127.54 feet to the point and place of beginning.

TRACT F-1-A contains 22.2106 acres, more or less.

FREE CONSENT AND DEDICATION

The foregoing replat of that certain tract of land situate within Section 13, Township 11 North, Range 2 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico, being TRACT F-1-A, RANCHO SERENO SUBDIVISION, UNIT IV, as the same is shown and designated on the plat recorded in the office of the County Clerk of Bernalillo County, New Mexico on January 4, 1996 in Volume 96C, folio 3, and now hereon shown and comprising RANCHO SERENO, UNIT V is with the free consent and in accordance with the desired of the undersigned owner(s) and or proprietor(s) thereof. Said owner(s) and or proprietor(s) do hereby dedicate 4.8317 acres of public street right-of-way to the City of Albuquerque in Fee Simple with Warranty Covenants and do hereby grant all easements shown on this plat. Electrical power and communication easements are reserved for buried distribution lines, conduits, and pipes for underground utilities and other related equipment where shown or indicated, including the right of ingress and egress, and the right to trim trees and shrubs.

CENTEX REAL ESTATE CORPORATION

_____
Tom Houser, President

State of New Mexico)
ss
County of New Mexico)

This instrument was acknowledged before me on _____ day of _____, 199___ by Tom Houser, President of CENTEX REAL ESTATE CORPORATION, a Nevada Corporation, on behalf of said Corporation.

My commission expires:_____

_____
Notary Public

APPROVALS

PLAT NUMBER_____

PLANNING DIRECTOR	DATE
CITY ENGINEER	DATE
A.M.A.F.C.A.	DATE
TRAFFIC ENGINEER	DATE
CITY SURVEYOR	DATE
PROPERTY MANAGEMENT	DATE
UTILITY DEVELOPMENT DEPARTMENT	DATE
DESIGN & DEVELOPMENT, CIP	DATE
U.S. WEST COMMUNICATIONS	DATE
PNM ELECTRIC SERVICES	DATE
PNM GAS SERVICES	DATE
NEW MEXICO UTILITIES, INC.	DATE

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

PROPERTY OWNER OF RECORD:_____

BERNALILLO COUNTY TREASURER'S OFFICE	DATE

PNM STAMP

SURVEYOR'S CERTIFICATION

I, Thomas G. Klingenhagen, a registered Professional New Mexico Surveyor, certify that I am responsible for this survey and that this plat was prepared by me or under my supervision, shows all easements of record, and conforms to the Minimum Requirements of the Board of Registration for Professional Engineers and Professional Surveyors in February 1994 and meets the minimum requirements for monumentation and surveys contained in the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.

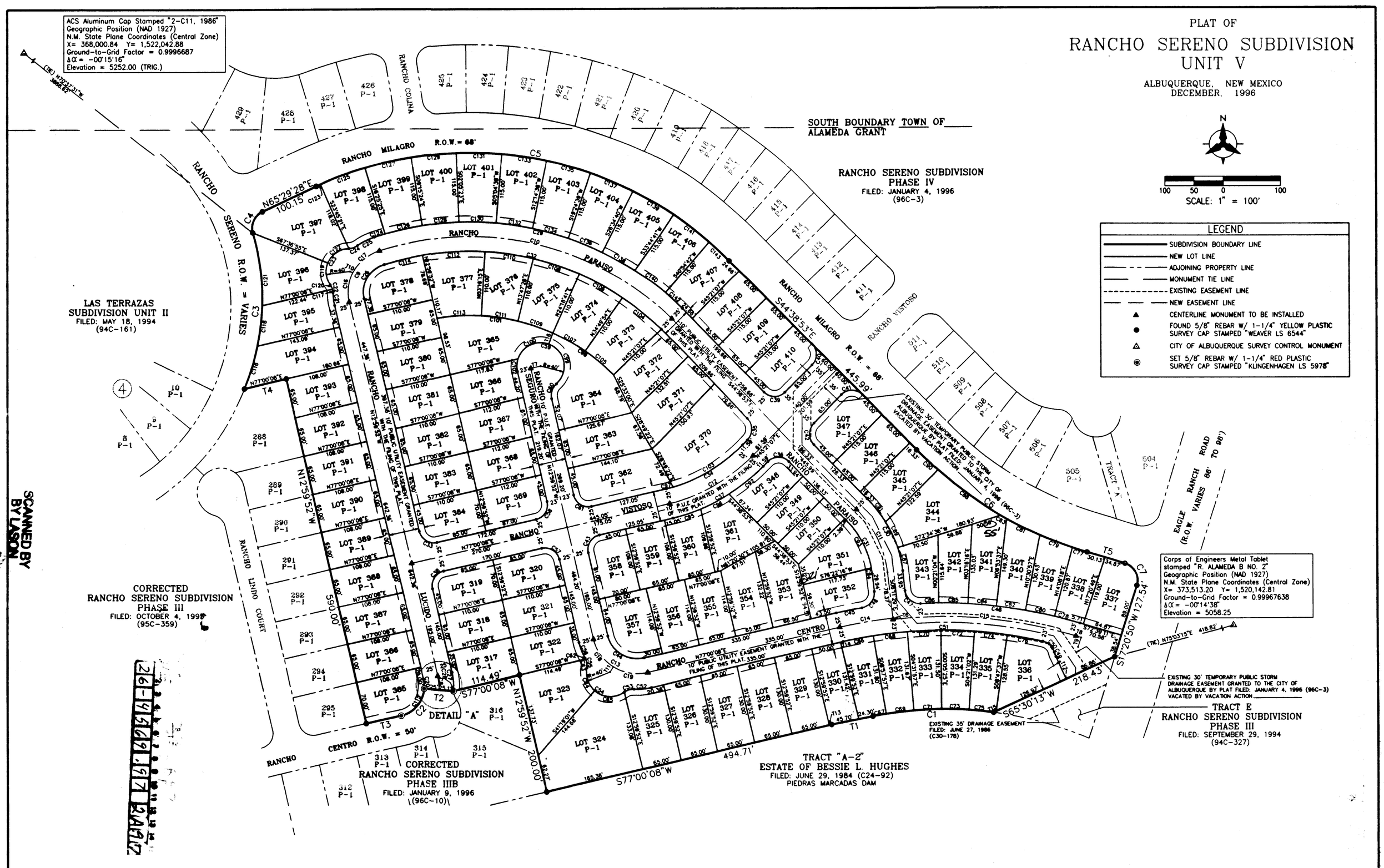
Bohannan-Huston Inc.
Courtyard I
7500 Jefferson Street, N.E.
Albuquerque, New Mexico 87109

Thomas G. Klingenhagen
New Mexico Professional Surveyor 5978

Date:_____

JOB NO. 96-436A-3212

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE



JOB NO. 96-436A-3212

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

C:\ADCADD\CIVIL\P\S96436A\SHEET2.DWG 12/09/1996

SCANNED BY LASON
#456997
SHEET 2A OF 22

PLAT OF

RANCHO SERENO SUBDIVISION
UNIT V

ALBUQUERQUE, NEW MEXICO
DECEMBER, 1996

LOT ACREAGE

LOT	ACREAGE
LOT 317	0.1652
LOT 318	0.1641
LOT 319	0.1737
LOT 320	0.1737
LOT 321	0.1641
LOT 322	0.1652
LOT 323	0.2517
LOT 324	0.4288
LOT 325	0.1966
LOT 326	0.1940
LOT 327	0.1940
LOT 328	0.1940
LOT 329	0.1940
LOT 330	0.1500
LOT 331	0.1543
LOT 332	0.1542
LOT 333	0.1544
LOT 334	0.1541
LOT 335	0.1539
LOT 336	0.2006
LOT 337	0.1728
LOT 338	0.1433
LOT 339	0.1511
LOT 340	0.1696
LOT 341	0.1785
LOT 342	0.1512
LOT 343	0.1429
LOT 344	0.2721
LOT 345	0.1744
LOT 346	0.1716
LOT 347	0.1786
LOT 348	0.1505
LOT 349	0.1263
LOT 350	0.1263
LOT 351	0.1728
LOT 352	0.1562
LOT 353	0.1969
LOT 354	0.1837
LOT 355	0.1701
LOT 356	0.1701
LOT 357	0.1970
LOT 358	0.1673
LOT 359	0.1582
LOT 360	0.1596
LOT 361	0.2103
LOT 362	0.2444
LOT 363	0.2013
LOT 364	0.2844
LOT 365	0.2917
LOT 366	0.1680
LOT 367	0.1671
LOT 368	0.1671
LOT 369	0.1769
LOT 370	0.3564
LOT 371	0.2115
LOT 372	0.1809
LOT 373	0.1836
LOT 374	0.1836
LOT 375	0.1836
LOT 376	0.1836
LOT 377	0.2295
LOT 378	0.1850
LOT 379	0.1641
LOT 380	0.1641
LOT 381	0.1641
LOT 382	0.1641
LOT 383	0.1641
LOT 384	0.1737
LOT 385	0.1612
LOT 386	0.1612
LOT 387	0.1612
LOT 388	0.1612
LOT 389	0.1612
LOT 390	0.1612
LOT 391	0.1612
LOT 392	0.1612
LOT 393	0.1612
LOT 394	0.2395
LOT 395	0.1952
LOT 396	0.2250
LOT 397	0.2758
LOT 398	0.1911
LOT 399	0.1844
LOT 400	0.1844
LOT 401	0.1844
LOT 402	0.1844
LOT 403	0.1844
LOT 404	0.1844
LOT 405	0.1844
LOT 406	0.1844
LOT 407	0.1794
LOT 408	0.1716
LOT 409	0.1716
LOT 410	0.1786

CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING	DELTA
C1	600.00'	202.19'	102.06'	201.23'	S88°26'27"W	19°18'27"
C2	50.00'	63.32'	36.70'	59.17'	S40°43'17"W	72°33'41"
C3	405.00'	271.40'	141.01'	266.35'	N03°08'56"E	38°23'40"
C4	30.00'	42.69'	25.87'	39.18'	N24°43'17"E	81°32'22"
C5	616.00'	751.09'	430.21'	705.42'	S79°34'42"E	69°51'39"
C6	684.00'	334.33'	170.57'	331.01'	S58°39'02"E	28°00'18"
C7	30.00'	47.12'	30.00'	42.43'	S27°39'11"E	90°00'01"
C8	75.00'	22.83'	11.50'	22.74'	N04°16'43"W	17°26'19"
C9	75.00'	110.61'	68.12'	100.85'	N29°15'06"E	84°29'55"
C10	476.00'	530.46'	296.58'	503.43'	S76°34'25"E	63°51'04"
C11	180.00'	120.82'	62.78'	118.56'	S25°25'11"E	38°27'24"
C12	300.00'	165.72'	85.03'	163.62'	N61°10'38"E	31°39'01"
C13	75.00'	117.81'	75.00'	106.07'	S57°59'52"E	90°00'00"
C14	750.00'	89.10'	44.60'	89.04'	N80°24'20"E	06°48'23"
C15	748.00'	307.29'	155.85'	305.14'	S84°25'20"E	23°32'18"
C16	75.00'	51.48'	26.80'	50.47'	N06°39'54"E	39°19'32"
C17	75.00'	59.13'	31.20'	57.61'	N48°54'51"E	45°10'24"
C18	75.00'	58.90'	31.07'	57.40'	S35°29'52"E	45°00'00"
C19	75.00'	58.90'	31.07'	57.40'	S80°29'52"E	45°00'00"
C20	50.00'	15.22'	7.67'	15.16'	N04°16'42"W	17°26'19"
C21	100.00'	21.21'	10.64'	21.17'	N06°55'21"W	12°09'02"
C22	25.00'	14.95'	7.71'	14.73'	N17°58'41"W	34°15'41"
C23	40.00'	85.78'	73.48'	70.26'	N26°19'40"E	122°52'21"
C24	25.00'	14.95'	7.71'	14.73'	N70°38'00"E	34°15'41"
C25	100.00'	31.41'	15.84'	31.28'	N62°30'06"E	17°59'54"
C26	50.00'	73.74'	45.42'	67.24'	S29°15'06"W	84°29'55"
C27	100.00'	28.38'	14.29'	28.28'	S04°52'03"E	16°15'37"
C28	25.00'	2.06'	1.03'	2.06'	S00°54'07"W	04°43'23"
C29	501.00'	558.32'	312.16'	529.87'	S76°34'25"E	63°51'04"
C30	205.00'	137.60'	71.50'	135.03'	S25°25'11"E	38°27'24"
C31	155.00'	104.04'	54.06'	102.09'	N25°25'11"W	38°27'24"
C32	451.00'	502.60'	281.00'	476.99'	N76°34'25"W	63°51'04"
C33	25.00'	39.27'	25.00'	35.36'	S57°59'52"E	90°00'00"
C34	275.00'	151.91'	77.95'	149.99'	N61°10'38"E	31°39'01"
C35	25.00'	39.27'	25.00'	35.36'	N00°21'07"E	90°00'00"
C36	25.00'	39.27'	25.00'	35.36'	N89°38'53"W	90°00'00"
C37	325.00'	179.53'	92.12'	177.26'	S61°10'38"W	31°39'01"
C38	25.00'	39.27'	25.00'	35.36'	S32°00'08"W	90°00'00"
C39	25.00'	39.27'	25.00'	35.36'	S89°38'53"E	90°00'00"
C40	25.00'	39.27'	25.00'	35.36'	N00°21'07"E	90°00'00"
C41	25.00'	39.27'	25.00'	35.36'	N89°38'53"W	90°00'00"
C42	25.00'	39.27'	25.00'	35.36'	S00°21'07"W	90°00'00"
C43	25.00'	39.27'	25.00'	35.36'	S32°00'08"W	90°00'00"
C44	50.00'	78.54'	50.00'	70.71'	S57°59'52"E	90°00'00"
C45	775.00'	43.60'	21.80'	43.59'	N78°36'50"E	03°13'23"
C46	25.00'	37.71'	23.48'	34.23'	N37°01'01"E	86°25'00"
C47	25.00'	37.70'	23.48'	34.23'	S49°23'26"E	86°23'55"
C48	771.00'	268.28'	135.51'	266.93'	S82°37'17"E	19°56'13"
C49	40.00'	8.20'	4.11'	8.19'	N18°37'28"W	11°44'43"
C50	25.00'	27.83'	15.55'	26.41'	N44°38'13"W	63°46'19"
C51	725.00'	335.00'	170.55'	332.03'	N89°45'37"W	26°28'29"
C52	100.00'	28.38'	14.29'	28.28'	S85°07'56"W	16°15'37"
C53	25.00'	16.96'	8.82'	16.64'	S73°49'21"W	38°52'48"
C54	40.00'	94.42'	97.14'	73.97'	N57°59'52"W	135°14'24"
C55	25.00'	16.96'	8.82'	16.64'	N09°49'04"W	38°52'49"
C56	100.00'	28.38'	14.29'	28.28'	N21°07'40"W	16°15'37"
C57	25.00'	39.27'	25.00'	35.36'	N57°59'52"W	90°00'00"
C58	25.00'	39.27'	25.00'	35.36'	N32°00'08"E	90°00'00"
C59	40.00'	168.61'		68.75'	S72°14'24"E	241°30'55"
C60	25.00'	26.84'	14.88'	25.57'	S17°45'36"W	61°30'55"
C61	25.00'	[illegible]	25.00'	35.36'	S57°59'52"E	90°00'00"
C62	25.00'	2.06'	1.03'	2.06'	S26°53'46"E	04°43'25"
C63	25.00'	14.90'	7.68'	14.68'	S07°27'22"E	34°09'24"
C64	40.00'	40.70'	22.31'	38.97'	S19°31'50"E	58°18'19"
C65	40.00'	[illegible]	31.78'	49.77'	S87°09'01"E	76°56'04"
C66	725.00'	51.02'	25.52'	51.01'	N79°01'06"E	04°01'55"
C67	600.00'	22.07'	11.04'	22.07'	S79°50'26"W	02°06'27"
C68	725.00'	[illegible]	28.06'	56.08'	N83°15'03"E	04°26'00"
C69	600.00'	45.90'	22.96'	45.89'	S83°05'10"W	04°23'01"
C70	725.00'	56.21'	28.12'	56.19'	N87°41'19"E	04°26'32"
C71	600.00'	[illegible]	23.01'	46.00'	S87°28'28"W	04°23'36"
C72	725.00'	56.19'	28.11'	56.18'	S87°52'12"E	04°26'27"
C73	600.00'	46.01'	23.02'	46.00'	N88°07'55"W	04°23'37"
C74	725.00'	56.22'	28.12'	56.21'	S83°25'40"E	04°26'35"
C75	600.00'	42.20'	21.11'	42.19'	N83°55'13"W	04°01'47"
C76	725.00'	59.26'	29.65'	59.24'	S78°51'53"E	04°41'00"
C77	684.00'	25.51'	12.76'	25.51'	S71°35'04"E	02°08'13"
C78	771.00'	43.18'	21.60'	43.17'	N74°15'27"W	03°12'32"
C79	684.00'	57.49'	28.76'	57.48'	S68°06'29"E	04°48'58"
C80	771.00'	48.74'	24.38'	48.74'	N77°40'23"W	03°37'20"
C81	684.00'	60.61'	30.32'	60.59'	S63°09'42"E	05°04'36"
C82	771.00'	48.74'	24.38'	48.74'	N81°17'43"W	03°37'20"
C83	684.00'	12.13'	6.07'	12.13'	S60°06'54"E	01°00'59"
C84	771.00'	48.74'	24.38'	48.74'	N84°55'04"W	03°37'20"
C85	771.00'	48.74'	24.38'	48.74'	N88°32'24"W	03°37'20"
C86	771.00'	30.13'	15.07'	30.12'	S88°31'46"W	02°14'20"
C87	205.00'	40.19'	20.16'	40.12'	N11°48'26"W	11°13'55"
C88	684.00'	129.87'	65.13'	129.67'	S54°10'03"E	10°52'43"
C89	205.00'	48.27'	24.25'	48.16'	N24°10'08"W	13°29'28"
C90	684.00'	48.71'	24.37'	48.70'	S46°41'17"E	04°04'49"
C91	205.00'	49.14'	24.69'	49.02'	N37°46'52"W	13°44'01"
C92	325.00'	74.05'	37.19'	73.89'	N51°52'45"E	13°03'17"
C93	155.00'	93.90'	48.44'	92.47'	S27°17'33"E	34°42'40"
C94	155.00'	10.13'	5.07'	10.13'	S08°03'51"E	03°44'44"
C95	325.00'	50.15'	25.12'	50.10'	N72°34'55"E	08°50'26"
C96	325.00'	55.33'	27.73'	55.27'	N63°17'03"E	09°45'18"
C97	275.00'	11.82'	5.91'	11.82'	S75°46'15"W	02°27'46"
C98	341.00'	125.22'	63.33'	124.52'	S55°10'06"E	21°02'26"
C99	40.00'	82.45'	66.71'	68.61'	N10°32'10"W	118°06'28"
C100	40.00'	64.29'	41.48'	57.59'	S64°22'08"W	92°04'55"
C101	341.00'	200.48'	103.23'	197.60'	S82°31'52"E	33°41'05"
C102	40.00'	21.87'	11.22'	21.60'	S02°39'55"W	31°19'33"
C103	275.00'	140.09'	71.60'	138.58'	S59°56'45"W	29°11'15"
C104	451.00'	82.81'	41.52'	82.69'	S49°54'29"E	10°31'13"
C105	341.00'	62.61'	31.39'	62.52'	N49°54'29"W	10°31'13"
C106	451.00'	82.81'	41.52'	82.69'	S60°25'43"E	10°31'13"
C107	341.00'	62.61'	31.39'	62.52'	N60°25'43"W	10°31'13"
C108	451.00'	82.81'	41.52'	82.69'	S70°56'56"E	10°31'13"
C109	341.00'	62.61'	31.39'	62.52'	N70°56'56"W	10°31'13"
C110	451.00'	82.81'	41.52'	82.69'	S81°28'09"E	10°31'13"
C111	341.00'	62.61'	31.39'	62.52'	N81°28'09"W	10°31'13"
C112	451.00'	106.49'	53.49'	106.24'	N86°30'23"E	13°31'44"
C113	341.00'	75.25'	37.78'	75.10'	S86°56'55"W	12°38'39"
C114	451.00'	64.87'	32.49'	64.81'	N75°37'17"E	08°14'27"
C115	50.00'	78.54'	50.00'	70.71'	S32°00'08"W	90°00'00"
C116	405.00'	75.18'	37.70'	75.08'	N17°01'41"E	10°38'10"
C117	25.00'	6.63'	3.34'	6.61'	S08°26'47"E	15°11'51"
C118	405.00'	69.17'	34.67'	69.09'	N06°49'01"E	09°47'10"
C119	40.00'	40.14'	21.94'	38.47'	S06°21'43"E	57°29'36"
C120	25.00'	8.32'	4.20'	8.28'	S25°34'36"E	19°03'50"
C121	405.00'	127.04'	64.04'	126.52'	N07°03'44"W	17°58'20"
C122	40.00'	45.64'	25.67'	43.21'	S55°04'28"W	65°22'45"
C123	616.00'	8.09'	4.05'	8.09'	N65°52'02"E	00°45'10"
C124	501.00'	18.15'	9.08'	18.15'	S72°32'19"W	02°04'32"
C125	616.00'	78.83'	39.47'	78.78'	N69°54'37"E	07°19'56"
C126	501.00'	62.67'	31.37'	62.63'	S77°09'36"W	07°10'01"
C127	616.00'	77.05'	38.58'	77.00'	N77°09'36"E	07°10'01"
C128	501.00'	62.67'	31.37'	62.63'	S84°19'36"W	07°10'01"
C129	616.00'	77.05'	38.58'	77.00'	N84°19'36"E	07°10'01"
C130	501.00'	62.67'	31.37'	62.63'	N88°30'23"W	07°10'01"
C131	616.00'	77.05'	38.58'	77.00'	S88°30'23"E	07°10'01"
C132	501.00'	62.67'	31.37'	62.63'	N81°20'22"W	07°10'01"
C133	616.00'	77.05'	38.58'	77.00'	S81°20'22"E	07°10'01"
C134	501.00'	62.67'	31.37'	62.63'	N74°10'21"W	07°10'01"
C135	616.00'	77.05'	38.58'	77.00'	S74°10'21"E	07°10'01"
C136	501.00'	62.67'	31.37'	62.63'	N67°00'20"W	07°10'01"
C137	616.00'	77.05'	38.58'	77.00'	S67°00'20"E	07°10'01"
C138	501.00'	62.67'	31.38'	62.63'	N59°50'19"W	07°10'01"
C139	616.00'	77.05'	38.58'	77.00'	S59°50'19"E	07°10'01"
C140	501.00'	62.67'	31.37'	62.63'	N52°40'19"W	07°10'01"
C141	616.00'	77.05'	38.58'	77.00'	S52°40'19"E	07°10'01"
C142	501.00'	38.83'	19.42'	38.82'	N46°52'05"W	04°26'25"
C143	616.00'	47.74'	23.88'	47.73'	S46°52'05"E	04°26'25"

TANGENT DATA

TANGENT	BEARING	DISTANCE
T1	S78°47'13"W	70.00'
T2	N85°33'33"W	50.11'
T3	S77°00'08"W	58.00'
T4	S77°00'08"W	72.66'
T5	S72°39'11"E	65.00'
T6	S06°11'29"E	2.00'
T7	N77°00'08"E	17.00'
T8	S72°39'11"E	8.99'
T9	S17°20'49"W	17.00'
T10	N63°40'21"W	5.12'
T11	S32°00'08"W	9.85'
T12	N24°29'47"W	40.00'
T13	S77°00'06"W	4.32'
T14	N77°00'08"E	4.62'
T15	S65°30'13"W	4.61'
T16	N20°24'36"E	20.17'

JOB NO. 96-436A-3212

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

C:\ADCADD\CIVIL\P\S96436A\SHEET3.DWG 12/09/1996

SCANNED BY
BY LASON

N

50 25 0 50

SCALE: 1" = 50'

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	45.5
PROPOSED SPOT ELEVATION	45.5
DIRECTION OF FLOW	S=2.98%
PHASE BOUNDARY	
EROSION CONTROL BERM	
PROPOSED RETAINING WALL	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
EXISTING STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
TURNED BLOCK LOCATION	

NOTE: SPOT ELEVATIONS SHOWN AT CURB DENOTE TOP OF CURB ELEVATIONS

GENERAL GRADING NOTES:

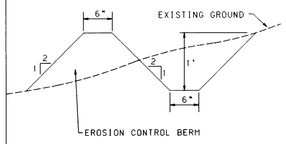
1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE, ENVIRONMENTAL HEALTH DIV., PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR IS TO REFER TO THE EARTHWORK SPECIFICATIONS NOTED IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY VINEYARD AND ASSOCIATES, DATED JUNE 16, 1993 AND SUPPLIED BY THE OWNER.

3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPOSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS, PERMITS AND APPROVALS.

EROSION CONTROL PLAN:

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL REGULARLY TO KEEP IT FROM BLOWING.



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

26-4569.97.0397

AS-BUILT INFORMATION
CONTRACTOR New Concepts Inc.
SURVEYED BY
INSPECTOR'S ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND, TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES R. TOPMILLER
NEW MEXICO
9354
REGISTERED PROFESSIONAL ENGINEER
11/1/95

NO.	DATE	REMARKS
1	12/22/96	REMOVAL OF UNIT IV INFORMATION
2	1/29/95	DARKENED PROPOSED RETAINING WALLS

REVISIONS

	BY	DATE
DESIGNED BY	MSJ	10/95
DRAWN BY	SAR	10/95
CHECKED BY	KLD	10/95

DESIGN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT V

FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
~~DRC CHAIRMAN~~			~~WATER~~		
~~TRANSPORTATION~~			~~WASTE WATER~~		
~~HYDROLOGY~~			~~A.M.A.F.C.A.~~		

DRAWING NO.	MAP NO.	SHEET OF
456997	C-12	3 OF 22

BHI JOB NO. C95207.01

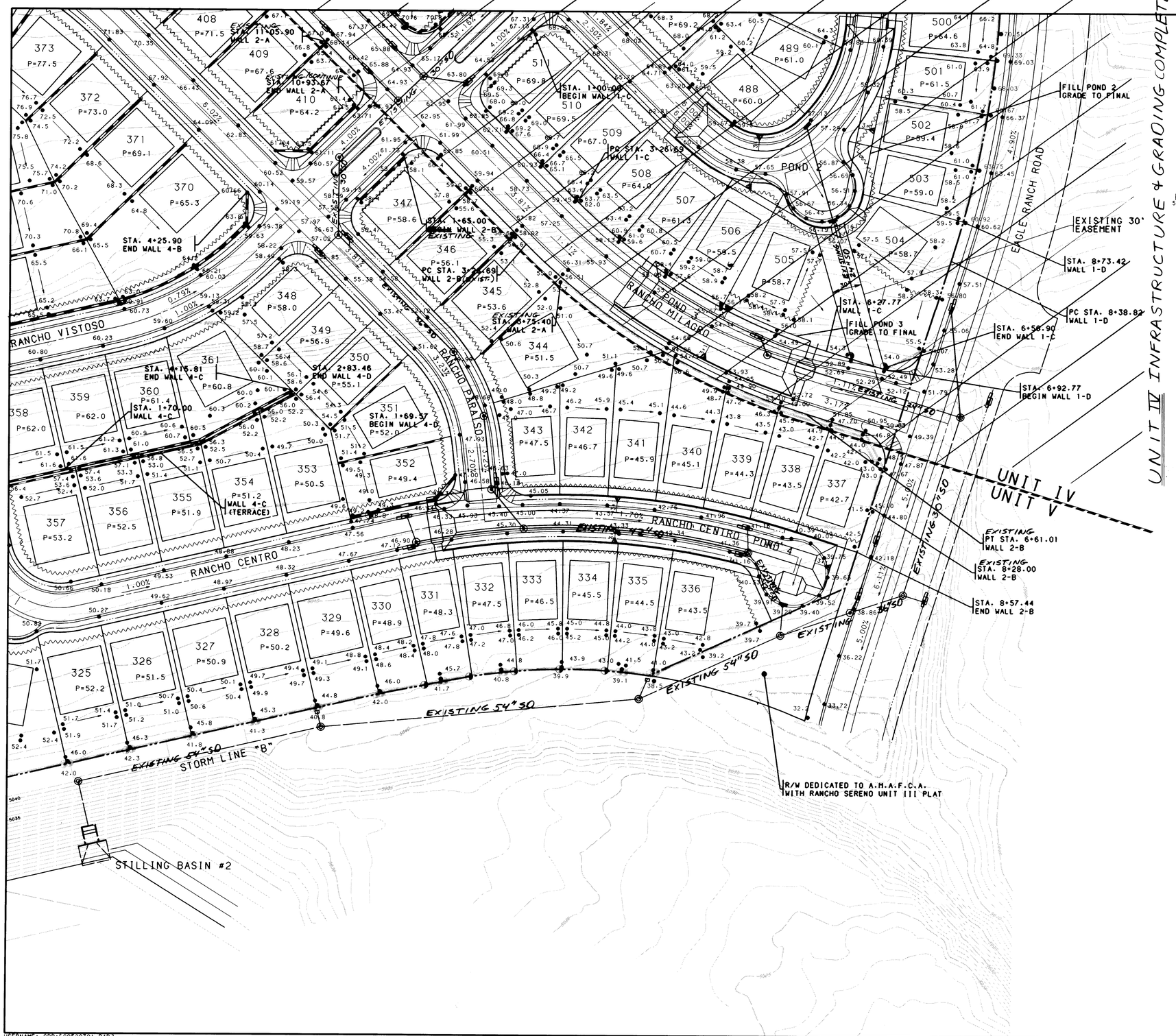
Copyright Bohannan-Huston, Inc. 1995

DATE:

USERNAME: CDP:[C9520701.PAD]
FILENAME: GRADE3.GRF

FOR INFORMATION ONLY

SCANNED BY LASON



UNIT IV INFRASTRUCTURE & GRADING COMPLETE

N

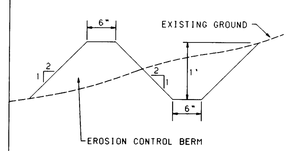
50 25 0 50

SCALE: 1" = 50'

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	45.5
PROPOSED SPOT ELEVATION	45.5
DIRECTION OF FLOW	S=2.98%
PHASE BOUNDARY	
EROSION CONTROL BERM	
PROPOSED RETAINING WALL	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
EXISTING STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
TURNED BLOCK LOCATION	

NOTE: SPOT ELEVATIONS SHOWN AT CURB DENOTE TOP OF CURB ELEVATIONS



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

2 6 1 9 5 6 9 7 1 9 7 1 0 4 9 7

AS-BUILT INFORMATION

CONTRACTOR New Concepts Inc.

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

MICRO-FILM INFORMATION

RECORDED BY DATE

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448. 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5045.3

SURVEY INFORMATION FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER

11/7/95

REVISIONS

NO.	DATE	REMARKS	BY	DATE
	12/2/96	REMOVAL OF UNIT IV INFORMATION	MSJ	
	11/29/95	DARKENED PROPOSED RETAINING WALLS	MSJ	

DESIGNED BY	MSJ	DATE 10/95
DRAWN BY	SAR	DATE 10/95
CHECKED BY	KLD	DATE 10/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT V

FINAL GRADING & DRAINAGE PLAN 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
~~DRC CHAIRMAN~~			~~WATER~~		
~~TRANSPORTATION~~			~~WASTE WATER~~		
~~HYDROLOGY~~			~~A.M.A.F.C.A.~~		

DRAWING NO.	MAP NO.	SHEET	OF
456997	C-12	4	22

BHI JOB NO. C95207.01

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DATE:

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FILENAME: GRADE4.GRF

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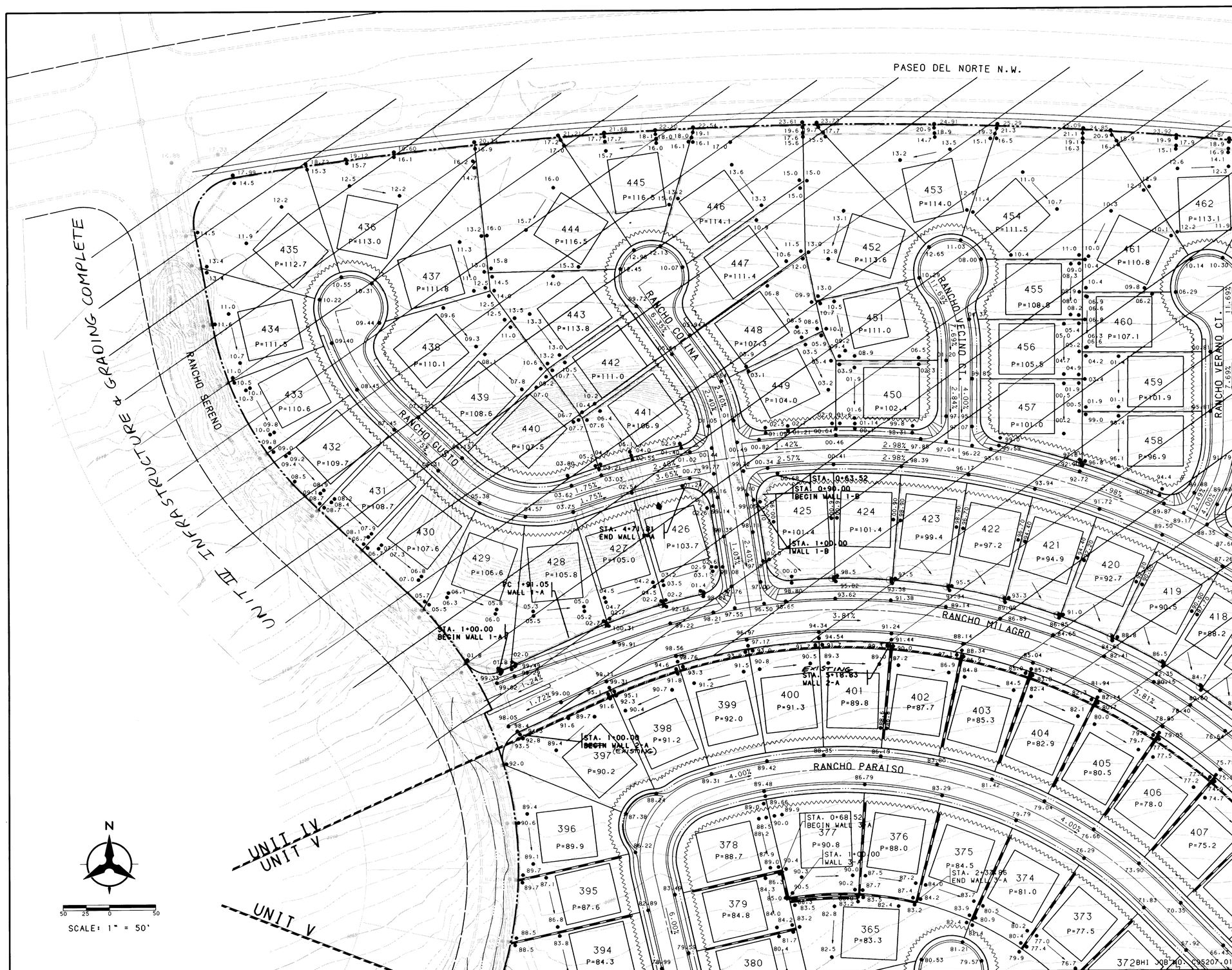
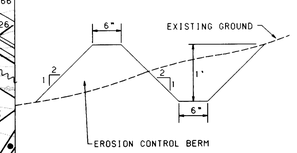
SCANNED BY BY LASON



LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	45.5
PROPOSED SPOT ELEVATION	45.5
DIRECTION OF FLOW	S=2.98%
PHASE BOUNDARY	
EROSION CONTROL BERM	
PROPOSED RETAINING WALL	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
EXISTING STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
TURNED BLOCK LOCATION	

NOTE: SPOT ELEVATIONS SHOWN AT CURB DENOTE TOP OF CURB ELEVATIONS



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

21d-1959d.dwg 10/5/95

AS-BUILT INFORMATION

CONTRACTOR: New Concepts Inc.

STAKED BY
INSPECTOR'S FIELD ACCEPTANCE BY — DATE
VERIFICATION BY
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954". SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES R. TOPMILLER — NEW MEXICO — 9354 — REGISTERED PROFESSIONAL ENGINEER

11/1/95

NO.	DATE	REMARKS	BY
2	12/2/96	REMOVAL OF UNIT IV INFORMATION	MSJ
1	1/29/95	DARKENED PROPOSED RETAINING WALLS	MSJ

REVISIONS

DESIGN		
DESIGNED BY	MSJ	DATE 10/95
DRAWN BY	SAR	DATE 10/95
CHECKED BY	KLD	DATE 10/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT V

FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
~~DRC CHAIRMAN~~			~~WATER~~		
~~TRANSPORTATION~~			~~WASTE WATER~~		
~~HYDROLOGY~~			~~A.M.A.F.C.A.~~		

DRAWING NO.	MAP NO.	SHEET	OF
456997	C-12	5	22

372BHI JOB NO. C95207.01

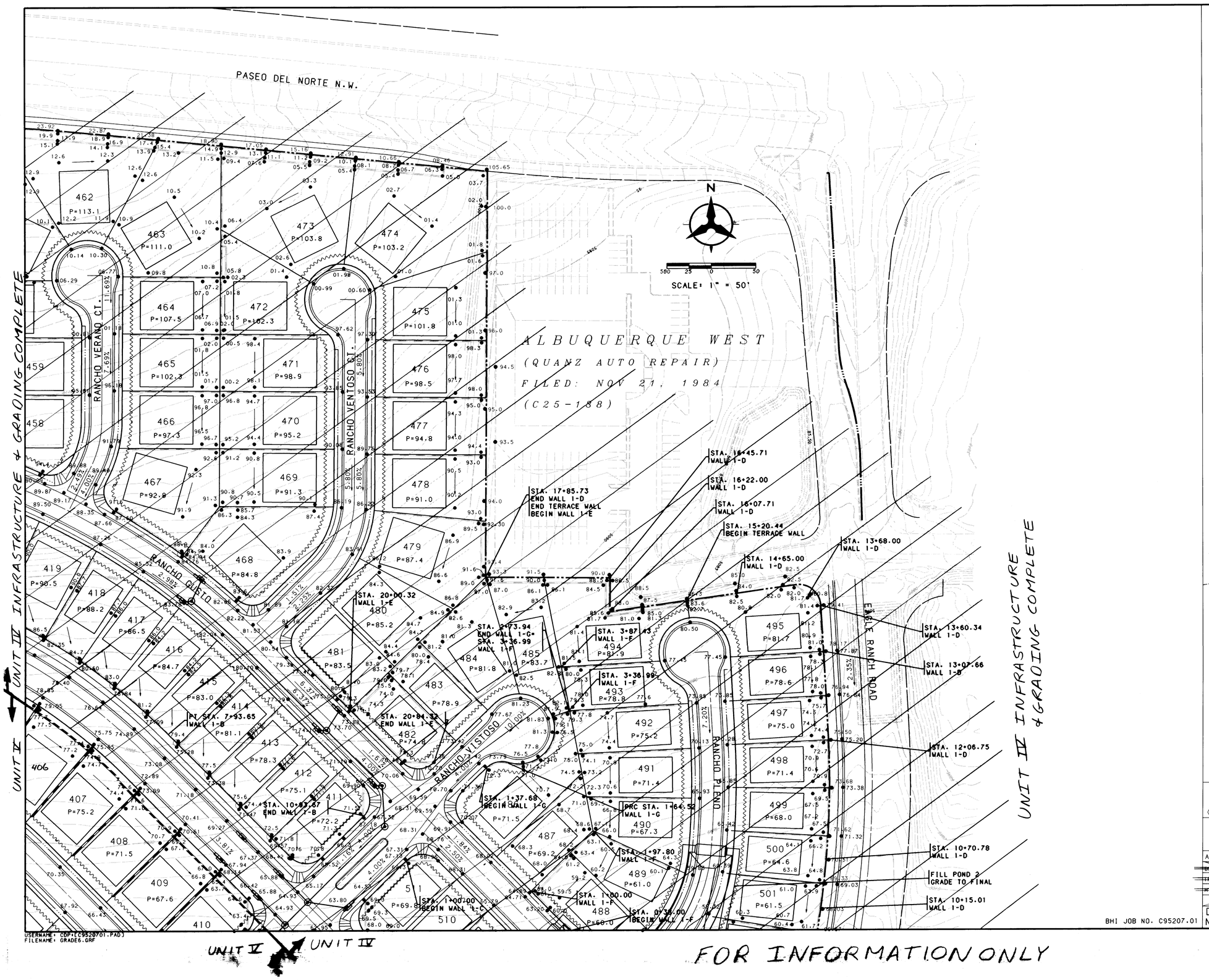
Copyright Bohannan-Huston, Inc. 1995

DATE:

USERNAME: CDP:EC9520701.PAD3
FILENAME: GRADE5.GRF

FOR INFORMATION ONLY

SCANNED BY BY LASON

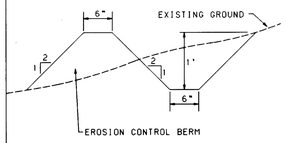


USERNAME: CDP:(C95207D1.PAD)
FILENAME: GRADE6.GRF

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	45.5
PROPOSED SPOT ELEVATION	45.5
DIRECTION OF FLOW	S=2.98%
PHASE BOUNDARY	
EROSION CONTROL BERM	
PROPOSED RETAINING WALL	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
EXISTING STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
TURNED BLOCK LOCATION	

NOTE: SPOT ELEVATIONS SHOWN AT CURB DENOTE TOP OF CURB ELEVATIONS



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

2/6-4/5/6/5/7/1/0/6/9/7

AS-BUILT INFORMATION

CONTRACTOR New Concepts Inc.

WORK STAKED BY		
INSPECTOR'S ACCEPTANCE BY		DATE
VERIFICATION BY		DATE
CORRECTIONS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY		DATE
NO.		

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954". SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED IN PRAIRIE. ELEV. = 5049.93

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES R. TOPMILLER NEW MEXICO 9214 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
	12/2/96	REMOVAL OF UNIT IV INFORMATION	MSJ
	1/29/95	DARKENED PROPOSED RETAINING WALLS	MSJ

REVISIONS

DESIGNED BY	MSJ	DATE 10/95
DRAWN BY	SAR	DATE 10/95
CHECKED BY	KLD	DATE 10/95

DESIGN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT V

FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY			A.M.A.F.C.D.		

DRAWING NO.	MAP NO.	SHEET	OF
456997	C-12	6	22

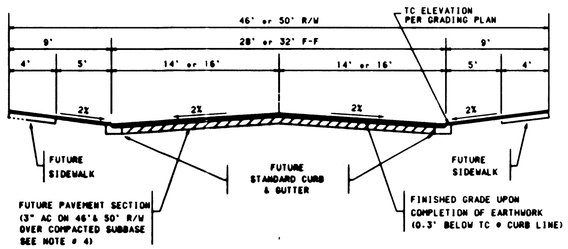
BHI JOB NO. C95207.01

Copyright Bohannan-Huston, Inc. 1995

DATE:

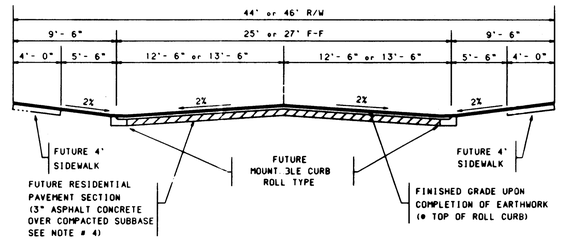
SCANNED BY LASON

FOR INFORMATION ONLY



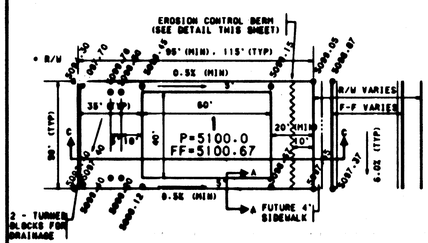
TYPICAL STREET SECTION #1 (STD CURB)

NO SCALE



TYPICAL STREET SECTION #2 (ROLL CURB)

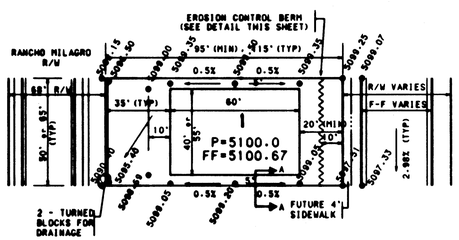
NO SCALE



TYPICAL LOT GRADING PLAN

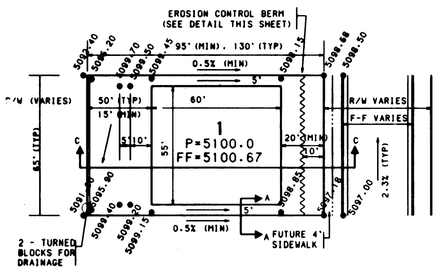
NO SCALE
(TYPICAL FOR SPLIT DRAINED LOTS 330-336 & 506-511)

* RANCHO MILAGRO R/W FOR LOTS 506-511
A.H.A.F.C.A. R/W FOR LOTS 330-336



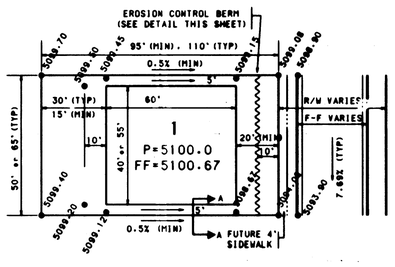
TYPICAL LOT GRADING PLAN

NO SCALE
(TYPICAL FOR SPLIT DRAINED LOTS 411-425)



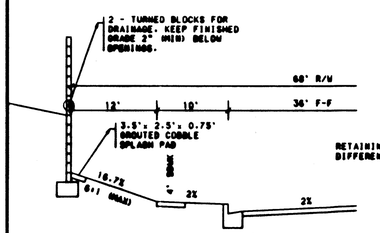
TYPICAL LOT GRADING PLAN

NO SCALE
(TYPICAL FOR ALL OTHER 65' SPLIT DRAINED LOTS)



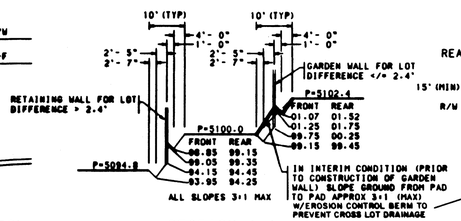
TYPICAL LOT GRADING PLAN

NO SCALE
(TYPICAL FOR ALL FRONT DRAINED LOTS)



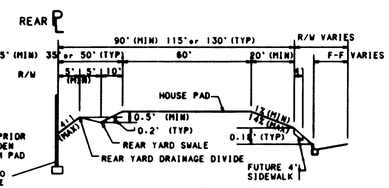
RANCHO MILAGRO EROSION CONTROL DETAIL FOR REAR YARD FLOWS

NO SCALE



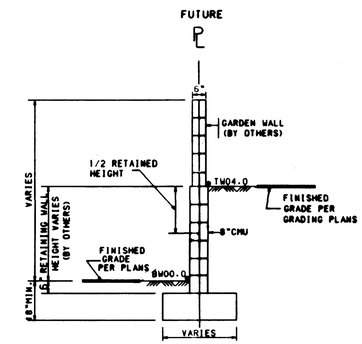
SECTION A-A
TYPICAL SIDELOT GRADING PLAN

NO SCALE
(TYPICAL FOR ALL LOTS)



SECTION C-C
TYPICAL LOT GRADING PROFILE

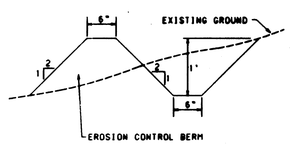
NO SCALE
(TYPICAL FOR SPLIT DRAINED LOTS)



TW=FINISHED GRADE ELEVATION AT TOP OF RETAINING WALL
BW=FINISHED GRADE ELEVATION AT BOTTOM OF RETAINING WALL

TYPICAL RETAINING WALL GRADING DETAIL

NO SCALE
(RETAINAGE HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL)



EROSION CONTROL BERM

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

GENERAL GRADING NOTES:

1. THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE. ENVIRONMENTAL HEALTH DIV.. PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR IS TO REFER TO THE EARTHWORK SPECIFICATIONS NOTED IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY VINEYARD AND ASSOCIATES. DATED JUNE 16. 1993 AND SUPPLIED BY THE OWNER.

3. THE CONTRACTOR SHALL CONFORM TO ALL CITY. COUNTY. STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS. PERMITS AND APPROVALS.

4. FINISHED GRADE IN ROADWAY SECTIONS IS BASED UPON MATERIAL IMPORTED DURING EARTHWORK BEING ACCEPTABLE FOR ROADWAY SUBBASE.

EROSION CONTROL PLAN:

THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL REGULARLY TO KEEP IT FROM BLOWING. ALL EXCESS DISTURBED AREAS MUST BE SEEDED PER C.O.A. SPECIFICATION SECTION 1012.

AS-BUILT INFORMATION

CONTRACTOR New Concepts Inc
WORK STAKED BY LS
INSPECTED BY Community Development
ACCEPTANCE BY LS DATE 4/97
FINAL INSPECTION BY LS DATE 4/97
CERTIFICATION BY RH DATE 7/97

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

JAMES B. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	12-2-96	REMOVAL OF UNIT III INFO.	MSJ
2	11/29/96	REVISED SECTION A-A & ADD TYPICAL RETAINING WALL	MSJ

REVISIONS

DESIGNED BY MSJ DATE 10/95
DRAWN BY MSJ DATE 10/95
CHECKED BY KLD DATE 10/95

2 6 E 1 9 5 6 7.9 7 0 7 9 7

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

RANCHO SERENO SUBDIVISION - UNIT V
GRADING & DRAINAGE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
[illegible]			WATER		
[illegible]			SANITARY SEWER		
[illegible]			A.H.A.F.C.A.		

DRAWING NO. 456997 456997
MAP NO. C-12
SHEET 7 OF 22

BHI JOB NO. C95207.01

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USERNAME: CDP2:[C9411001.PAD]
FILENAME: DETAILS.DWG

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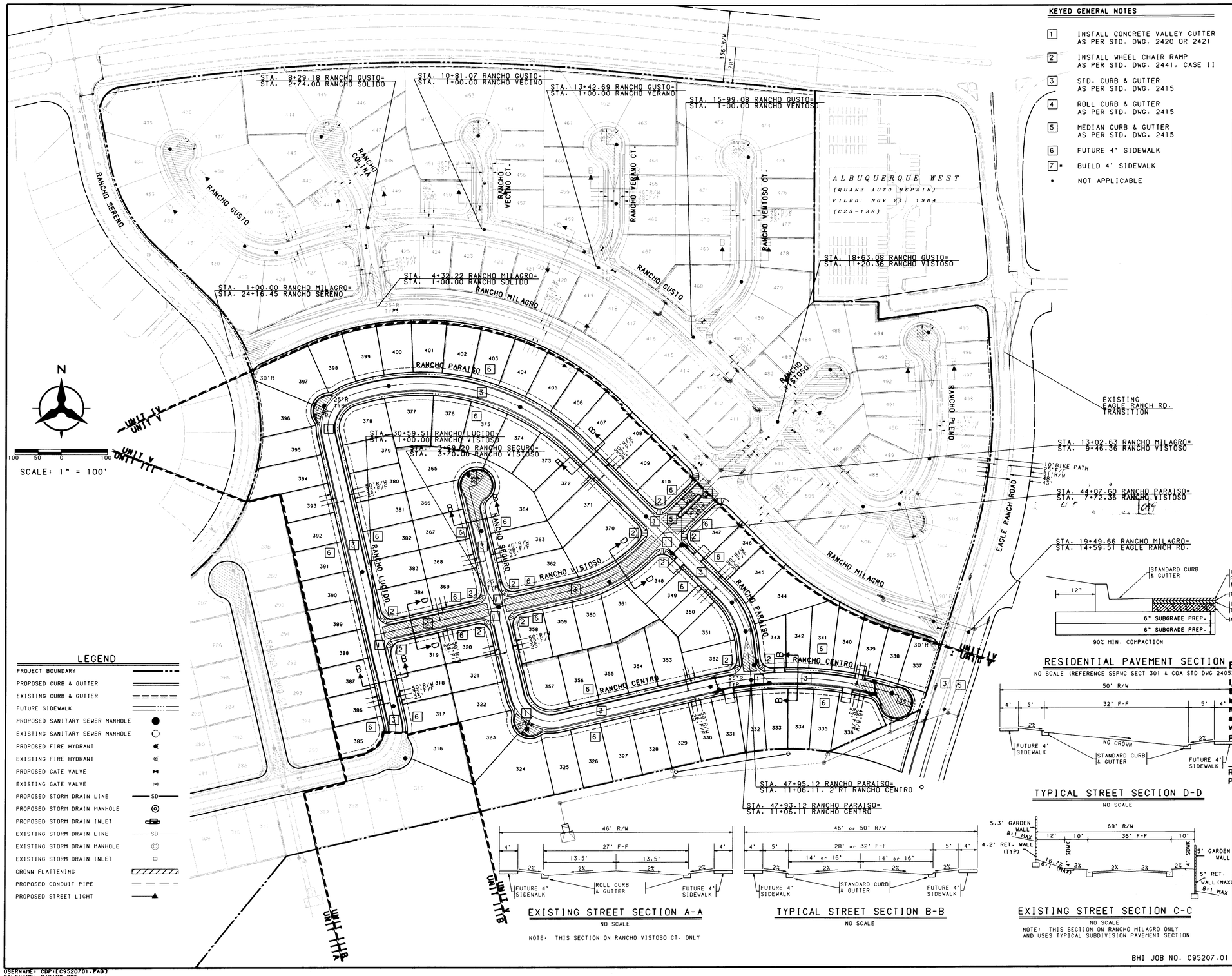
SCANNED BY LASON



KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 OR 2421
2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
3. STD. CURB & GUTTER AS PER STD. DWG. 2415
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415
5. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
6. FUTURE 4' SIDEWALK
7. BUILD 4' SIDEWALK
- NOT APPLICABLE

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

1-1/2" RESIDENTIAL ASPHALT CONCRETE TYPICAL. FINISH COURSE PLACED AFTER ALL MH & VLV COVERS & RINGS ARE SET TO GRADE. TYPE B GRADATION.

TACK COAT BETWEEN LIFTS

1-1/2" RESIDENTIAL ASPHALT CONCRETE TYPE B GRADATION.

4-1/2" SUBGRADE PREP. SEE NOTE BELOW

SUBGRADE SOIL: R-VALUE>50. PLACED IN LIFTS AS SHOWN. 95% MIN. COMPACTION. AT OPT. MOISTURE +/-2.0%, ASTM D1557.OR OPT. MOISTURE.TO +4%.ASTM D698 FOR SOIL W/35% OR MORE MATERIAL , PASSING THE NO. 200 SIEVE.

RESIDENTIAL PAVEMENT SECTION

NO SCALE (REFERENCE SSPWC SECT 301 & COA STD DWG 2405)

TYPICAL STREET SECTION D-D

NO SCALE

EXISTING STREET SECTION C-C

NO SCALE

NOTE: THIS SECTION ON RANCHO MILAGRO ONLY AND USES TYPICAL SUBDIVISION PAVEMENT SECTION

EXISTING STREET SECTION A-A

NO SCALE

NOTE: THIS SECTION ON RANCHO VISTOSO CT. ONLY

TYPICAL STREET SECTION B-B

NO SCALE

LEGEND

- PROJECT BOUNDARY
- PROPOSED CURB & GUTTER
- EXISTING CURB & GUTTER
- FUTURE SIDEWALK
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED FIRE HYDRANT
- EXISTING FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- PROPOSED STORM DRAIN LINE — SD
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- EXISTING STORM DRAIN LINE — SD
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- CROWN FLATTENING
- PROPOSED CONDUIT PIPE
- PROPOSED STREET LIGHT

Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
PS NO. 11953

Date

RHONDA L. HICE — NEW MEXICO — 11953

AS-BUILT INFORMATION

CONTRACTOR: New Concepts, Inc.
WORK STAKED BY: J.S.
ACCEPTANCE BY: SUMMIT SURVEYS DATE 6/97
FIELD LOCATION BY: J.S. DATE 6/97
DRAWINGS CORRECTED BY: R.H. DATE 7/97

BENCH MARKS

INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES R. TOPMILLER — NEW MEXICO — 9354 — REGISTERED PROFESSIONAL ENGINEER — 10/20/96

REVISIONS

NO.	DATE	REMARKS	BY	DATE

DESIGNED BY MSJ — DATE 11/96
DRAWN BY DR. SAR — DATE 11/96
CHECKED BY JRT — DATE 11/96

BOHANNAN-HUSTON, INC.
ENGINEERS • PLANNERS • PROJECT MANAGERS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE — LAS CRUCES — SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
OVERALL PAVING PLAN

DRAINAGE REVIEW COMMITTEE — CITY ENGINEER APPROVAL — FEB -9 1998

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

CITY PROJECT NO. 456997 — ZONE MAP NO. C-12 — SHEET 8 OF 22

BHI JOB NO. C95207.01

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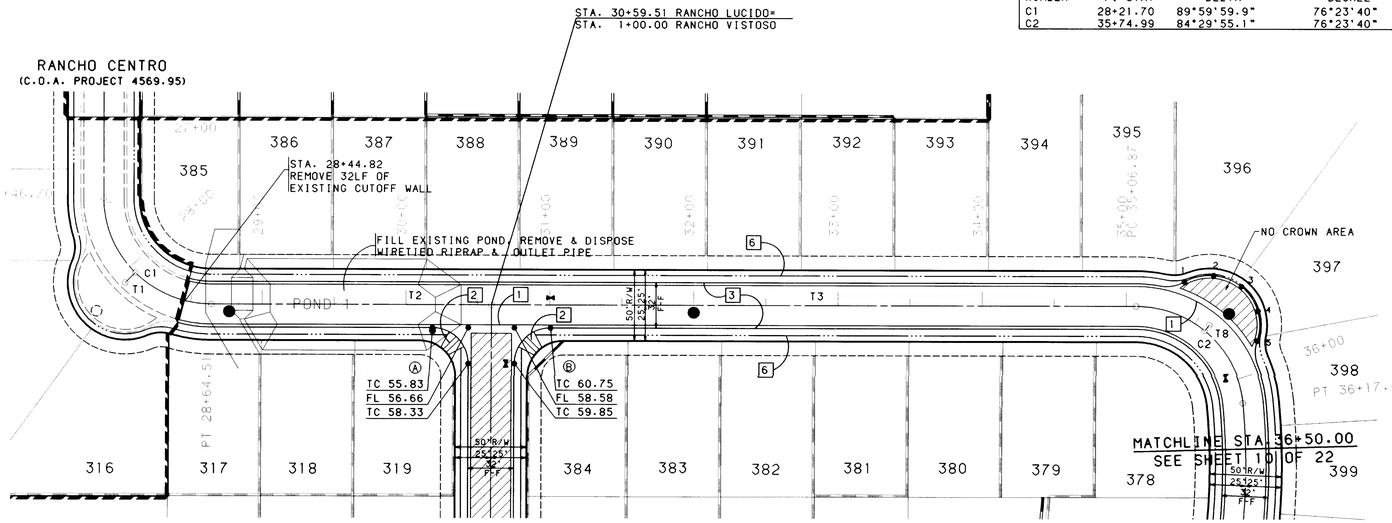
DATE: DECEMBER, 1997

USERNAME: CDP:[C9520701.PAD]
FILENAME: PAVING.GRF

SCANNED BY LASON

CENTERLINE CURVE DATA						
NUMBER	PI STA.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS
C1	28+21.70	89°59'59.9"	76°23'40"	75.00'	117.81'	75.00'
C2	35+74.99	84°29'55.1"	76°23'40"	68.12'	110.61'	75.00'

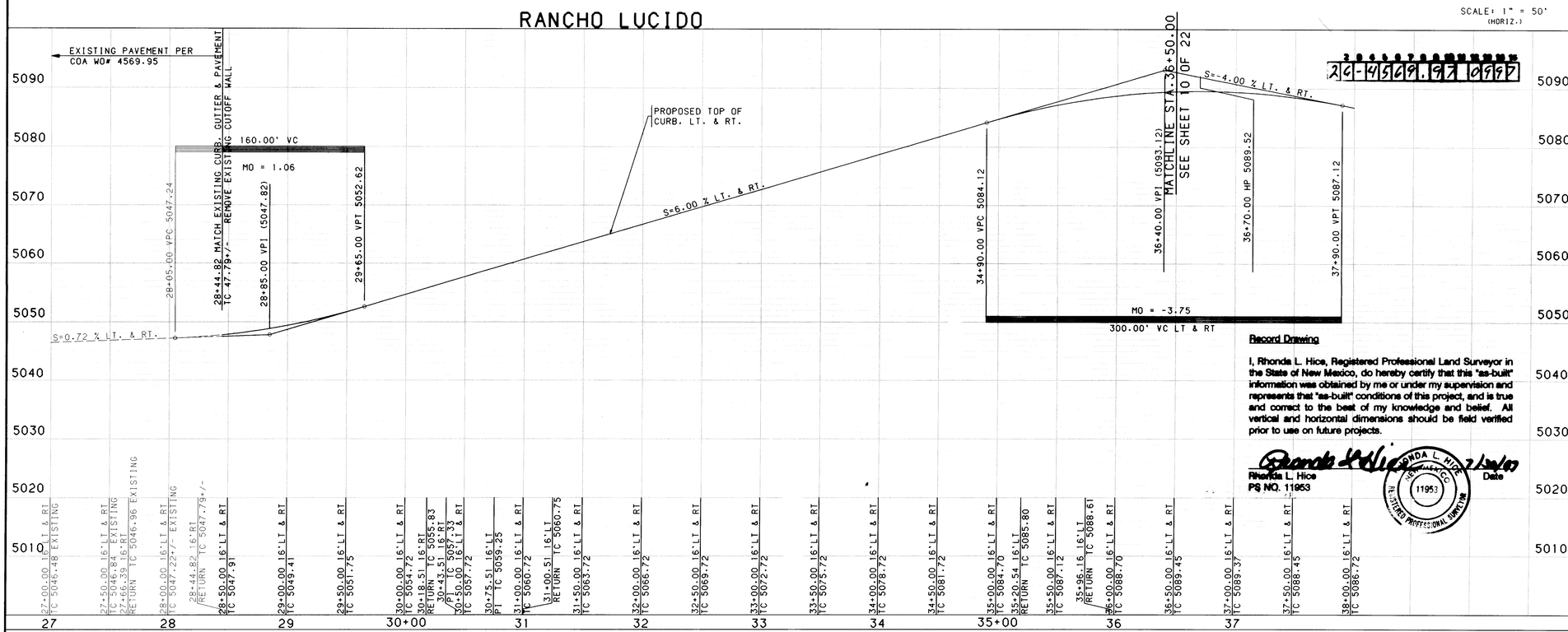
TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S57°59'52"E	9.85'
T2	N12°59'52"W	195.00'
T3	N12°59'52"W	447.36'
T4	NEXT SHEET	
T5	NEXT SHEET	
T6	NEXT SHEET	
T7	NEXT SHEET	
T8	N63°40'20"W	5.12'



CUL-DE-SAC CURB DATA (CLOCKWISE)			
PT	TC	STATION & OFFSET	DELTA
1	86.39	35+32.91, 23.23'LT	34°31'47"
2	86.91	35+44.84, 35.75'LT	34°31'47"
3	87.44	35+58.35, 40.12'LT	34°31'47"
4	87.91	35+71.86, 35.75'LT	34°31'47"
5	88.28	35+83.79, 23.23'LT	34°31'47"
R=35.00', L=21.09' (BETWEEN POINTS)			

SCALE: 1" = 50' (HORIZ.)

RANCHO LUCIDO



Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
PS NO. 11953

Date

RHONDA L. HICE
11953
REGISTERED PROFESSIONAL SURVEYOR

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

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12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 OR 2421
2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
3. STD. CURB & GUTTER AS PER STD. DWG. 2415
4.* ROLL CURB & GUTTER AS PER STD. DWG. 2415
5.* MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
6. FUTURE 4' SIDEWALK
7.* BUILD 4' SIDEWALK

* NOT APPLICABLE THIS SHEET

AS-BUILT INFORMATION
CONTRACTOR New Concepts Inc.
WORK STAKED BY J.S.
INSPECTOR'S ACCEPTANCE BY COMMUNITY SERVICES DATE 6/97
FIELD VERIFICATION BY J.S. DATE 6/97
DRAWINGS CORRECTED BY RH DATE 7/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES R. TOPMILLER
NEW MEXICO
9354
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY	DATE
		REVISIONS		

DESIGNED BY MSJ DATE 11/96
DRAWN BY BS, DR, SAR DATE 11/96
CHECKED BY JRT DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
PAVING PLAN & PROFILE
RANCHO LUCIDO STA. 27+00.00 - 36+50.00

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

CITY PROJECT NO. 456997
ZONE MAP NO. C-12
SHEET 9 OF 22

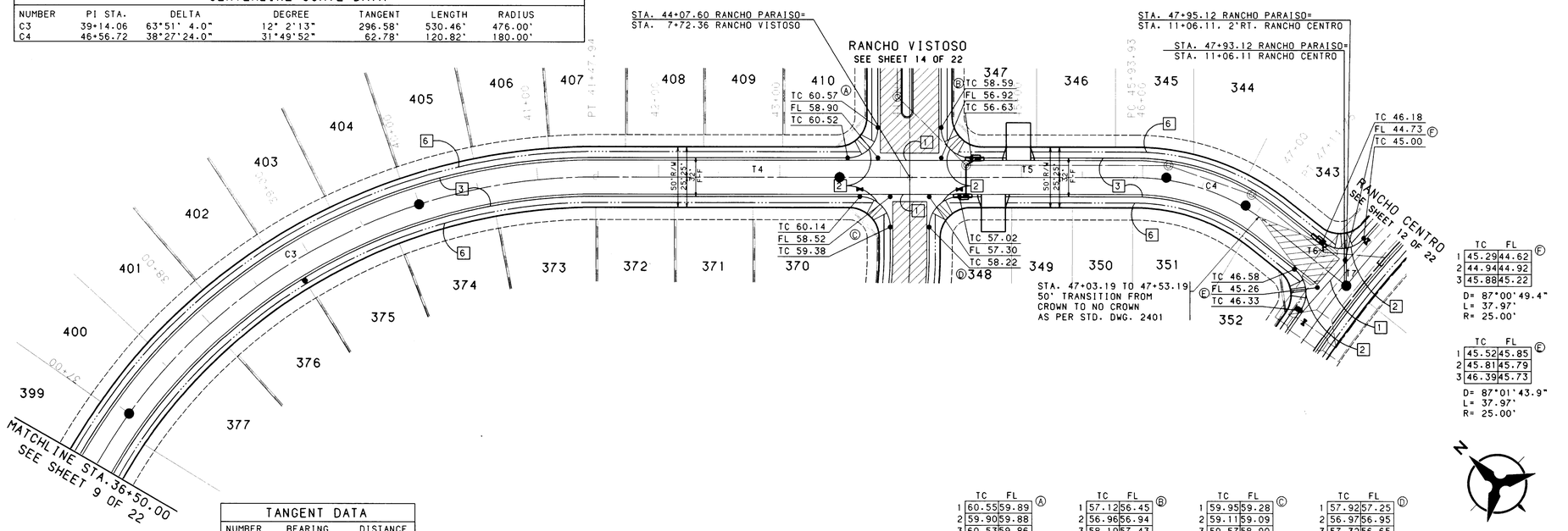
Copyright Bohannan-Huston, Inc. 1995
DATE: DECEMBER, 1996

USERNAME: CDP:[C96436A2400.PAD]
FILENAME: LUCIDO.GRF
BHI JOB NO. C96436A2440

SCANNED BY
BY LASON

CENTERLINE CURVE DATA

NUMBER	PI STA.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS
C3	39+14.06	63°51' 4.0"	12° 2'13"	296.58'	530.46'	476.00'
C4	46+56.72	38°27'24.0"	31°49'52"	62.78'	120.82'	180.00'



	TC	FL	Ⓕ
1	45.29	44.62	
2	44.94	44.92	
3	45.88	45.22	

D= 87°00'49.4"
L= 37.97'
R= 25.00'

	TC	FL	Ⓔ
1	45.52	45.85	
2	45.81	45.79	
3	46.39	45.73	

D= 87°01'43.9"
L= 37.97'
R= 25.00'

	TC	FL	Ⓐ
1	60.55	59.89	
2	59.90	59.88	
3	60.53	59.86	

D= 90°00'00"
L= 39.27'
R= 25.00'

	TC	FL	Ⓑ
1	57.12	56.45	
2	56.96	56.94	
3	58.10	57.43	

D= 90°00'00"
L= 39.27'
R= 25.00'

	TC	FL	Ⓒ
1	59.95	59.28	
2	59.11	59.09	
3	59.57	58.90	

D= 90°00'00"
L= 39.27'
R= 25.00'

	TC	FL	Ⓓ
1	57.92	57.25	
2	56.97	56.95	
3	57.32	56.65	

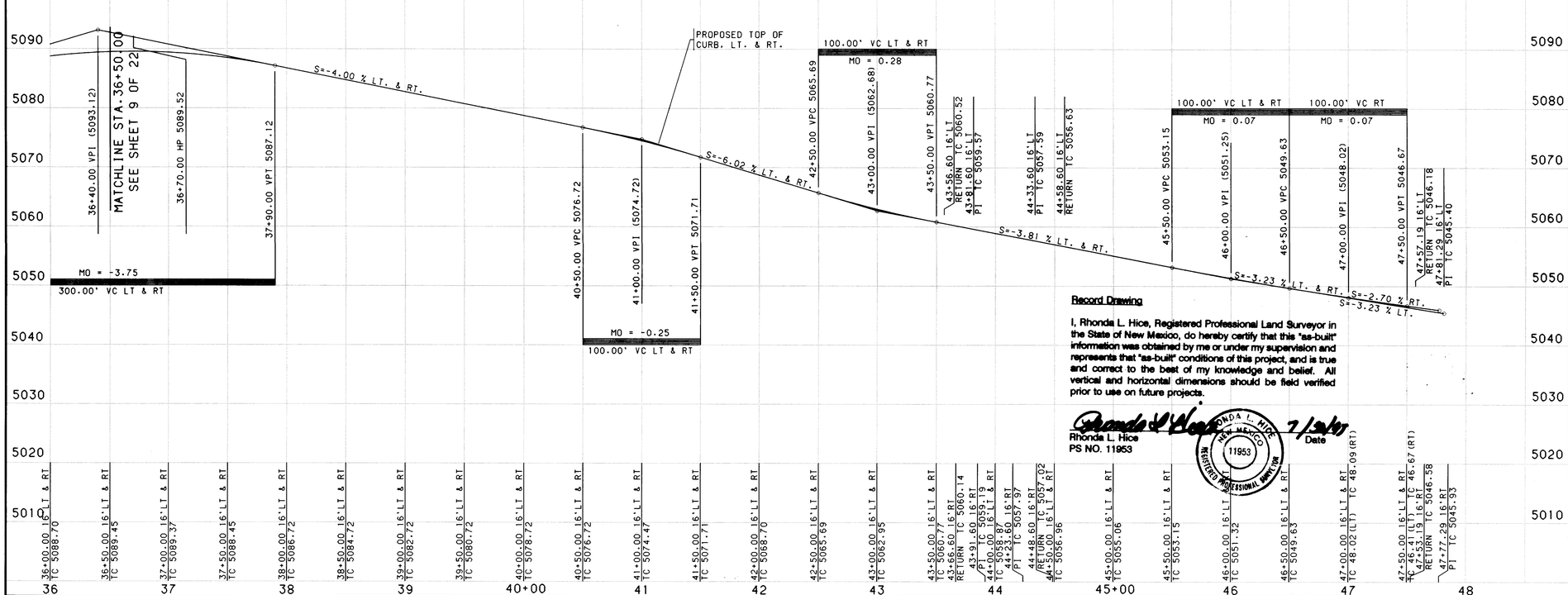
D= 90°00'00"
L= 39.27'
R= 25.00'

SCALE: 1" = 50'
(HORIZ.)

TANGENT DATA

NUMBER	BEARING	DISTANCE
T4	S44°38'53"E	259.67'
T5	S44°38'53"E	186.32'
T6	S06°11'29"E	78.37'
T7	S06°11'29"E	2.00'

RANCHO PARAISO



Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
PS NO. 11953

7/30/97
Date

RHONDA L. HICE
NEW MEXICO
11953
REGISTERED PROFESSIONAL SURVEYOR

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

2 3 4 6 6 7 8 9 10 11 12 13 14 16
216-1969.717 110697

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 OR 2421
2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
3. STD. CURB & GUTTER AS PER STD. DWG. 2415
4. • ROLL CURB & GUTTER AS PER STD. DWG. 2415
5. • MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
6. FUTURE 4' SIDEWALK
7. • BUILD 4' SIDEWALK

• NOT APPLICABLE THIS SHEET

AS-BUILT INFORMATION
CONTRACTOR Neu Concepts, Inc
WORK STAKED BY L.S. DATE 6/97
INSPECTOR'S ACCEPTANCE BY DATE 6/97
FIELD VERIFICATION BY J.L.S. DATE 7/97
DRAWINGS CORRECTED BY R.H. DATE 7/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

FIELD NOTES SURVEY INFORMATION

NO.	BY	DATE

ENGINEER'S SEAL
JAMES R. TOPNILLER
NEW MEXICO
9354
REGISTERED PROFESSIONAL ENGINEER
12/26/96

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY MSJ DATE 11/96
DRAWN BY BS, OR, SAR DATE 11/96
CHECKED BY JRT DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
PAVING PLAN & PROFILE
RANCHO PARAISO STA. 36+50.00 - 47+95.12

APPROVED
- 7 1997
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

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

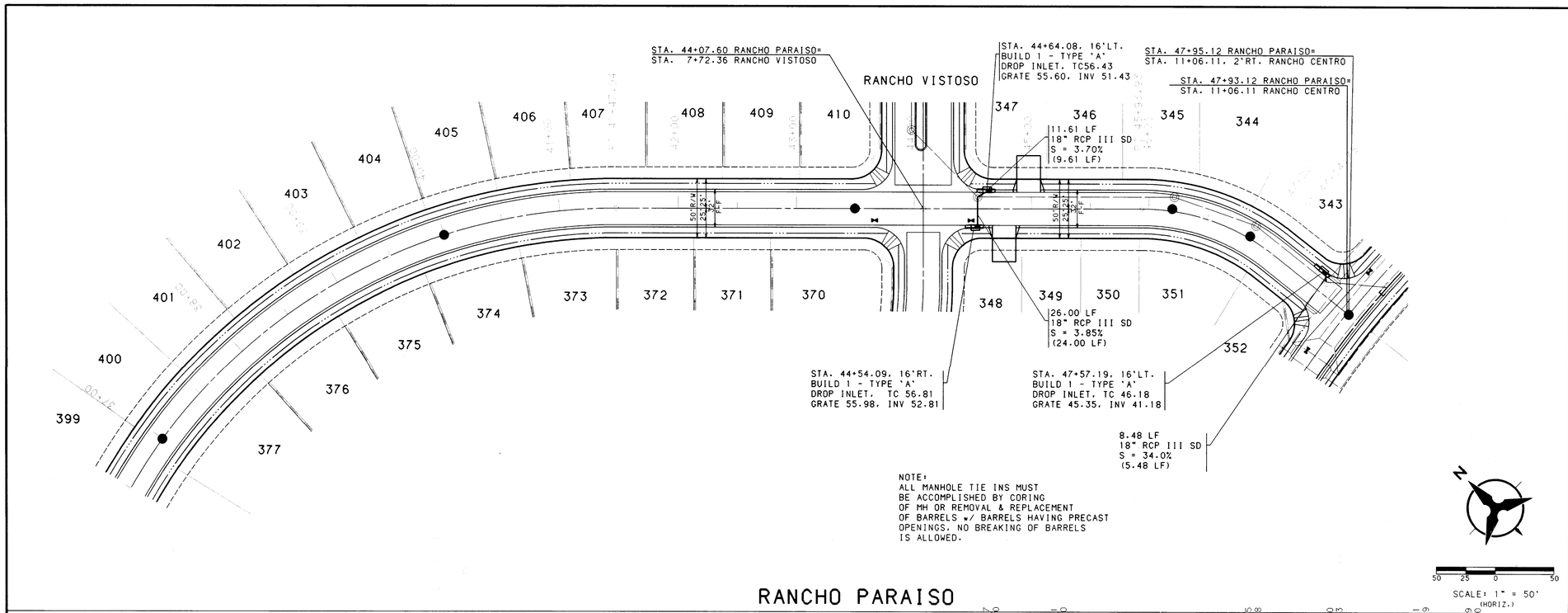
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
456997	C-12	10	22

USERNAME: CDP:[C96436A2400.PAD]
FILENAME: PARAISO.GRF

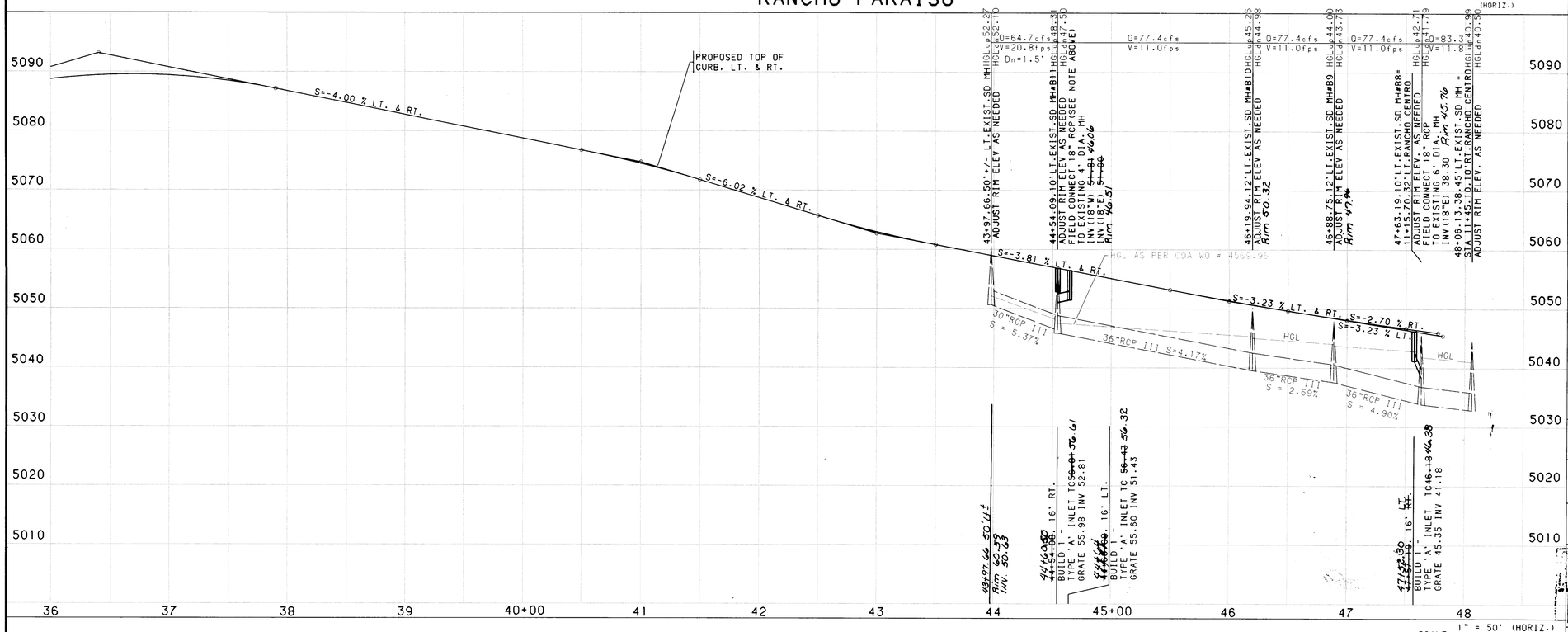
BHI JOB NO. C96436A2440

Copyright Bohannan-Huston, Inc. 1995
DATE: DECEMBER, 1996

SCANNED BY
BY LASON



RANCHO PARAISO



USERNAME: CDP:[C96436A2400.PAD]
FILENAME: PARAISO.GRF

BHI JOB NO. C96436A2440

Copyright Bohannan-Huston, Inc. 1995

DATE: DECEMBER.1996

NOTES

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COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
2 6 1 4 5 6 7 8 9 1 0 8 9 7

Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
PS NO. 11953

7/29/97
Date

RHONDA L. HICE — NEW MEXICO — 11953 — REGISTERED PROFESSIONAL SURVEYOR

AS-BUILT INFORMATION

CONTRACTOR *New Concepts, Inc.*
WORK STAKED BY *L.S.*
INSPECTOR'S ACCEPTANCE BY *Schwarzy* DATE *6/97*
FIELD VERIFICATION BY *J.S.* DATE *6/97*
DRAWINGS CORRECTED BY *R.H.* DATE *7/97*
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES R. TOPMILLER — NEW MEXICO — 9354 — REGISTERED PROFESSIONAL ENGINEER

12/20/96

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY	MSJ	DATE 11/96
DRAWN BY	BS, OR, SAR	DATE 11/96
CHECKED BY	JRT	DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE — LAS CRUCES — SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
STORM DRAIN PLAN & PROFILE
RANCHO PARAISO STA. 36+50.00 - 47+95.12

DESIGN REVIEW COMMITTEE — APPROVED — DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

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

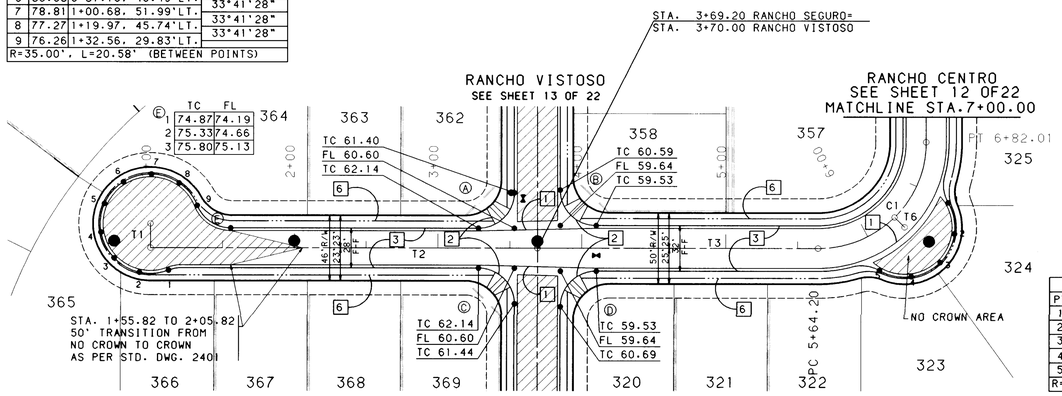
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
456997	C-12	10a	22

SCANNED BY BY LASON

CUL-DE-SAC CURB DATA (CLOCKWISE)			
PT	TC	STATION & OFFSET	DELTA
1	77.86	1+12.57. 15.67'RT.	33°41'28"
2	79.48	0+92.33. 17.15'RT.	33°41'28"
3	80.89	0+74.68. 7.16'RT.	33°41'28"
4	81.63	0+65.53. 10.94'LT.	33°41'28"
5	81.43	0+67.96. 31.08'LT.	33°41'28"
6	80.38	0+81.15. 46.49'LT.	33°41'28"
7	78.81	1+00.68. 51.99'LT.	33°41'28"
8	77.27	1+19.97. 45.74'LT.	33°41'28"
9	76.26	1+32.56. 29.83'LT.	
R=35.00', L=20.58' (BETWEEN POINTS)			

CENTERLINE CURVE DATA						
NUMBER	PI STA.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS
C1	6+39.20	90° 0' 0.1"	76°23'40"	75.00'	117.81'	75.00'

TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S77°00'08"W	17.00'
T2	S12°59'52"E	269.20'
T3	S12°59'52"E	195.00'
T4	NEXT SHEET	
T5	NEXT SHEET	
T6	S32°00'08"W	9.85'

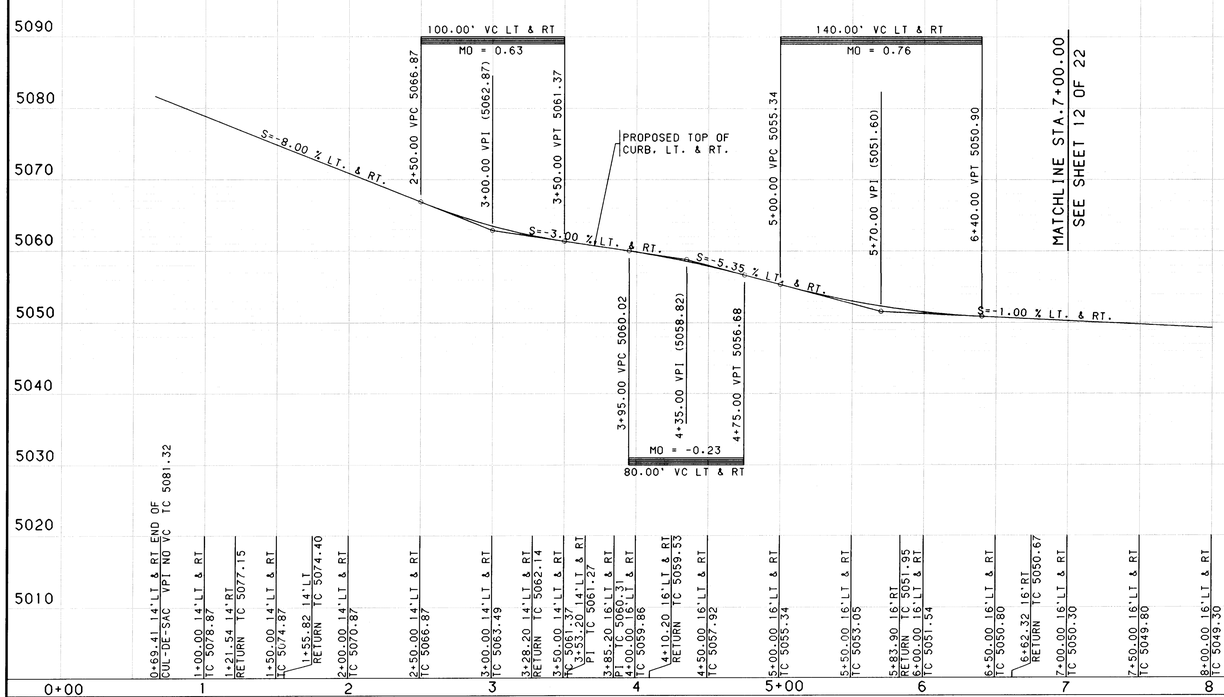


CUL-DE-SAC CURB DATA (CLOCKWISE)			
PT	TC	STATION & OFFSET	DELTA
1	50.81	6+48.99. 24.87'RT.	37°26'24"
2	50.93	6+37.11. 39.63'RT.	37°26'24"
3	51.11	6+23.11. 44.85'RT.	37°26'24"
4	51.35	6+09.11. 39.63'RT.	37°26'24"
5	51.61	5+97.22. 24.87'RT.	37°26'24"
R=35.00', L=22.87' (BETWEEN POINTS)			

Ⓐ TC	FL	Ⓑ TC	FL	Ⓒ TC	FL	Ⓓ TC	FL
1 61.59	60.92	1 59.79	59.13	1 61.96	61.30	1 60.40	59.73
2 61.12	61.10	2 59.41	59.39	2 61.14	61.12	2 59.46	59.44
3 61.96	61.29	3 60.32	59.66	3 61.61	60.95	3 59.82	59.15
D= 90°00'00"		D= 90°00'00"		D= 90°00'00"		D= 90°00'00"	
L= 39.27'		L= 39.27'		L= 39.27'		L= 39.27'	
R= 25.00'		R= 25.00'		R= 25.00'		R= 25.00'	

SCALE: 1" = 50'
(HORIZ.)

RANCHO SEGURO



SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

Record Drawing

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Rhonda L. Hice
Rhonda L. Hice
PS NO. 11953

7/30/97
Date

RHONDA L. HICE
NEW MEXICO
11953
REGISTERED PROFESSIONAL SURVEYOR

NOTES

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PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

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

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 OR 2421
2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
3. STD. CURB & GUTTER AS PER STD. DWG. 2415
4.• ROLL CURB & GUTTER AS PER STD. DWG. 2415
5.• MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
6. FUTURE 4' SIDEWALK
7.• BUILD 4' SIDEWALK

• NOT APPLICABLE THIS SHEET

AS-BUILT INFORMATION
CONTRACTOR New Concepts, Inc.
STAKED BY
CONSTRUCTION STAKES ACCEPTANCE BY Gonzales DATE 5/97
FIELD VERIFICATION BY J.S DATE 5/97
DRAWINGS CORRECTED BY R.H DATE 7/97

BENCH MARKS
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES R. TOPMILLER
NEW MEXICO
9354
REGISTERED PROFESSIONAL ENGINEER
12/20/96

NO.	DATE	REMARKS	BY	DATE

REVISIONS

DESIGN
DESIGNED BY MSJ DATE 11/96
DRAWN BY DR. SAR DATE 11/96
CHECKED BY JRT DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
PAVING PLAN & PROFILE
RANCHO SEGURO STA. 1+00.00 - 7+00.00

DESIGN REVIEW COMMITTEE
APPROVED
CITY ENGINEER APPROVAL

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

CITY PROJECT NO. 456997
ZONE MAP NO. C-12
SHEET 11 OF 22

BHI JOB NO. C96436A2400

Copyright Bohannan-Huston, Inc. 1996

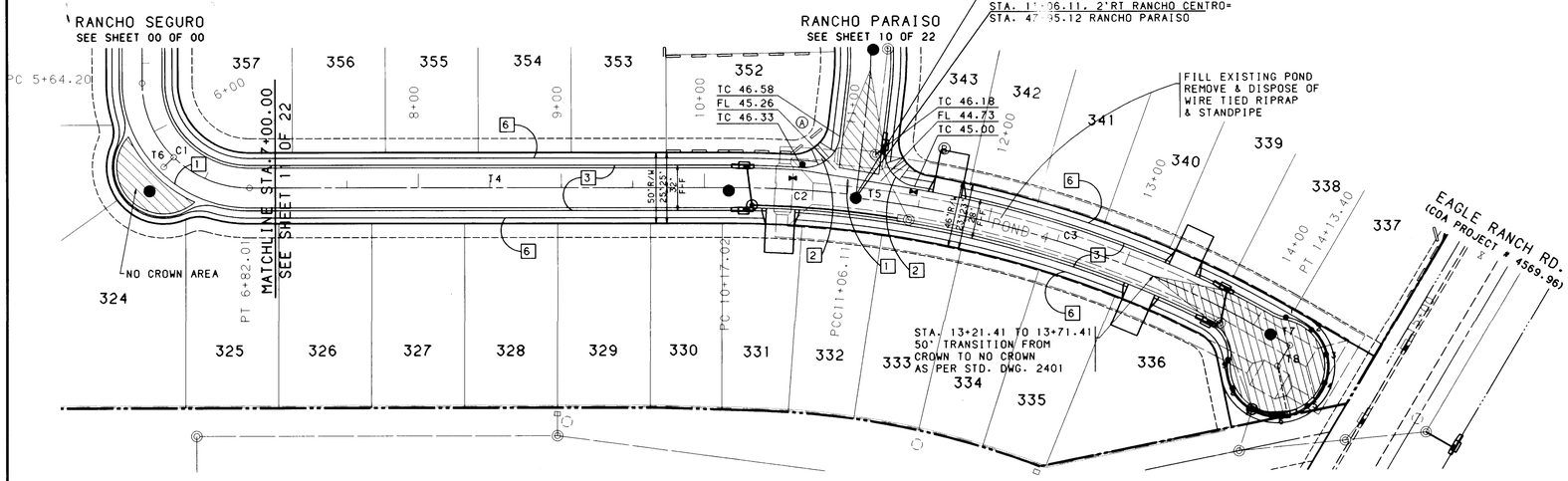
DATE:

USERNAME: CDP:[C96436A2400.PAD]
FILENAME: SEGURO.GRF

SCANNED BY
BY LASON

CENTERLINE CURVE DATA

NUMBER	PI STA.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS
C1	6+39.20	90° 0' 0.1"	76°23'40"	75.00'	117.81'	75.00'
C2	10+61.62	6°48'23.2"	7°38'22"	44.60'	89.10'	750.00'
C3	12+61.96	23°32'18.0"	7°39'36"	155.85'	307.29'	748.00'



TANGENT DATA		
NUMBER	BEARING	DISTANCE
T4	N77°00'08"E	335.00'
T5	S06°11'29"E	2.00'
T6	S32°00'08"W	9.85'
T7	S72°39'11"E	15.58'
T8	S17°20'49"W	17.00'

Ⓐ	TC	FL
1	46.52	45.85
2	45.81	45.79
3	46.34	45.73

D= 87°01'43.9"
L= 37.97'
R= 25.00'

Ⓑ	TC	FL
1	45.29	44.63
2	44.94	44.92
3	45.88	45.22

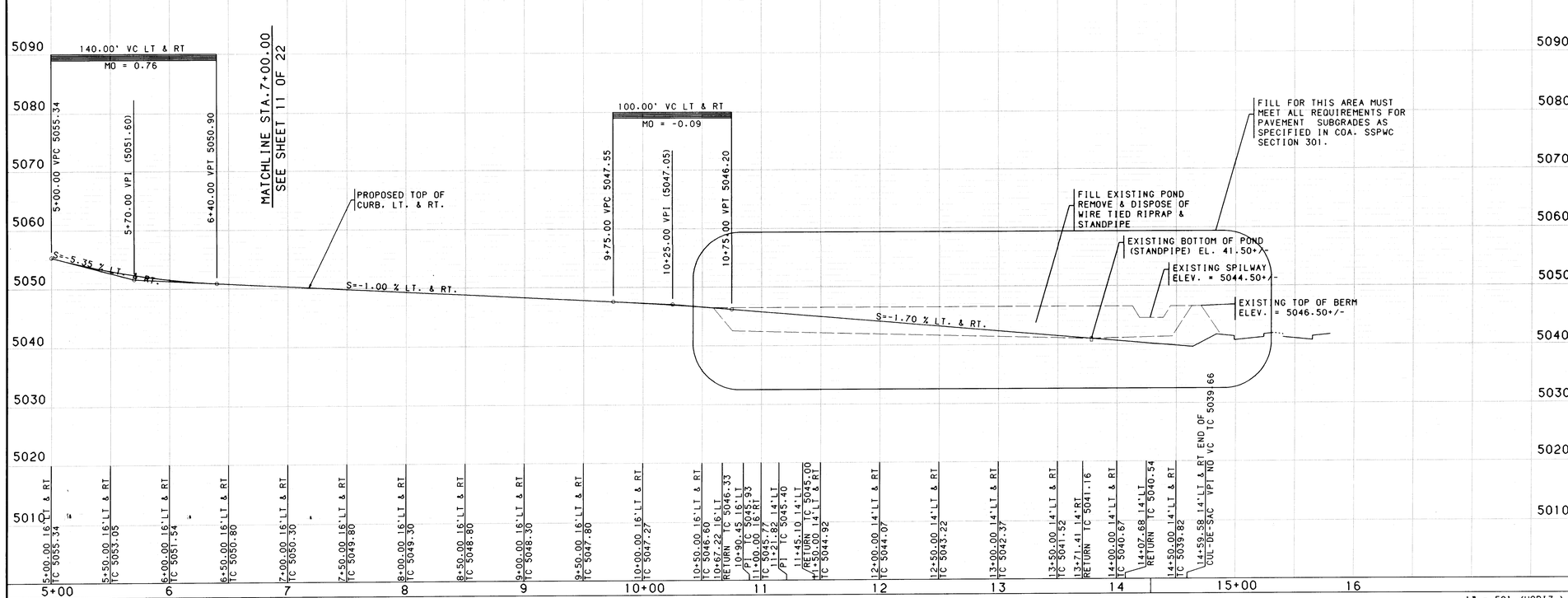
D= 87°00'49.4"
L= 37.97'
R= 25.00'

CUL-DE-SAC CURB DATA (CLOCKWISE)			
PT	TC	STATION & OFFSET	DELTA
1	40.39	14+16.39, 15.65'LT	33°33'18"
2	40.05	14+36.53, 17.18'LT	33°33'18"
3	39.75	14+54.17, 7.31'LT	33°33'18"
4	39.63	14+63.41, 10.66'RT	33°33'18"
5	39.52	14+61.18, 30.74'RT	33°33'18"
6	39.40	14+48.22, 46.24'RT	33°33'18"
7	39.78	14+28.85, 52.00'RT	33°33'18"
8	40.15	14+09.27, 46.08'RT	33°33'18"
9	40.53	13+95.98, 30.29'RT	33°33'18"
R=35.00', L=20.50' (BETWEEN POINTS)			

N

50 25 0 50
SCALE: 1" = 50'
(HORIZ.)

RANCHO CENTRO



SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS. WHERE NOTED. ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

2 6 7 9 5 6 7 8 9 10 11 12

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 OR 2421
2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
3. STD. CURB & GUTTER AS PER STD. DWG. 2415
4. • ROLL CURB & GUTTER AS PER STD. DWG. 2415
5. • MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
6. FUTURE 4' SIDEWALK
7. • BUILD 4' SIDEWALK

• NOT APPLICABLE THIS SHEET

AS-BUILT INFORMATION

CONTRACTOR New Concepts, Inc.
WORK STAKED BY J.S. DATE 6/97
WORK STAKED IN ACCEPTANCE BY Sawyer DATE 6/97
FIELD VERIFICATION BY J.S. DATE 7/97
DRAWINGS CORRECTED BY RH DATE 7/97

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND, TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES R. TOPMILLER
NEW MEXICO
9354
REGISTERED PROFESSIONAL ENGINEER
10/30/96

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY MSJ DATE 11/96
DRAWN BY BS DATE 11/96
CHECKED BY JRT DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
PAVING PLAN & PROFILE
RANCHO CENTRO STA. 7+00.00 - 14+59.58

DESIGN REVIEW COMMITTEE
APPROVE
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

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

CITY PROJECT NO. 456997 | ZONE MAP NO. C-12 | SHEET 12 OF 22

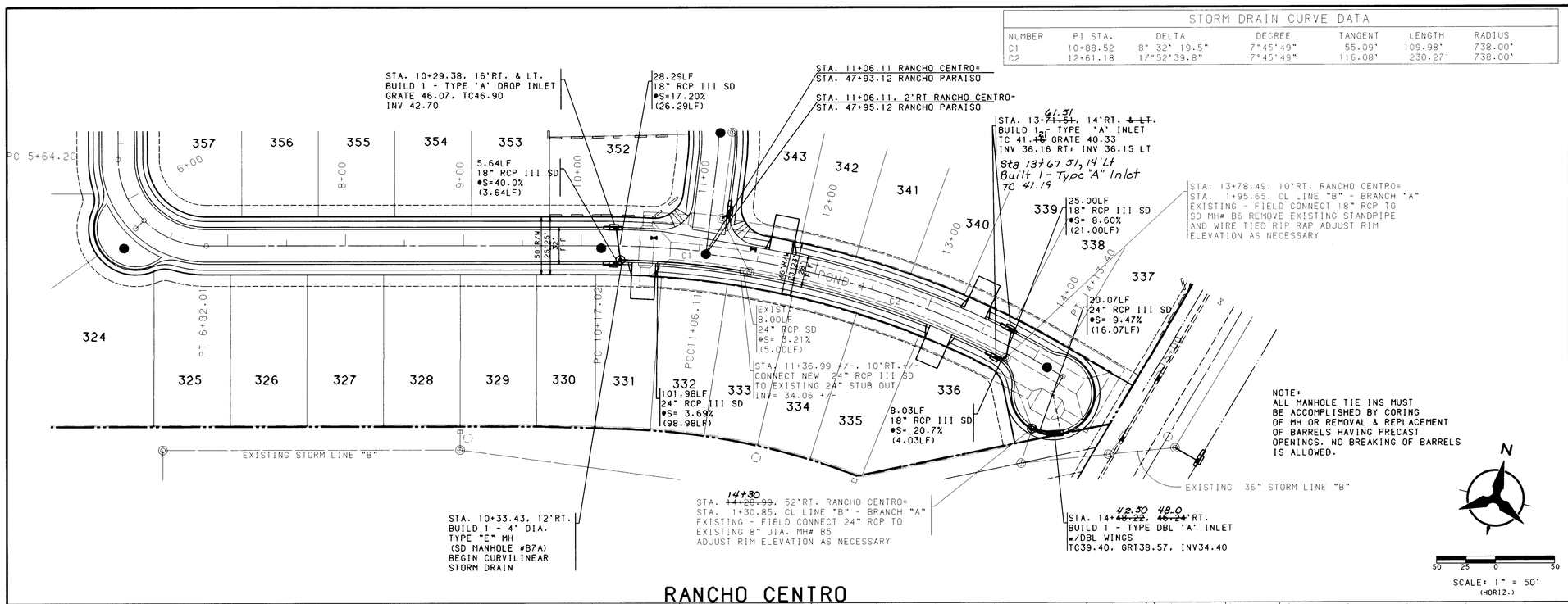
BHI JOB NO. C96436A2440

Copyright Bohannan-Huston, Inc. 1996
DATE: DECEMBER, 1996

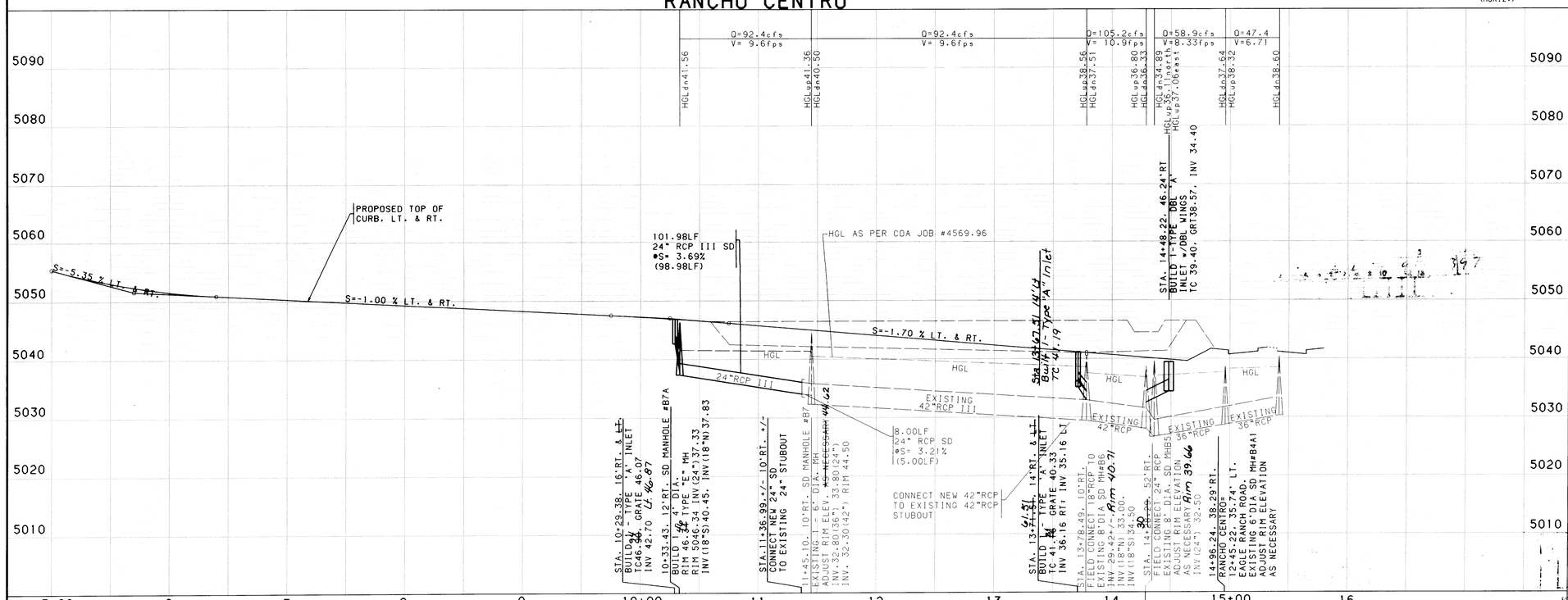
USERNAME: CDP:[C96436A2400.PAD]
FILENAME: CENTR04.GRF

SCANNED BY LASON

STORM DRAIN CURVE DATA						
NUMBER	PI STA.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS
C1	10+88.52	8° 32' 19.5"	7°45'49"	55.09'	109.98'	738.00'
C2	12+61.18	17°52'39.8"	7°45'49"	116.08'	230.27'	738.00'



RANCHO CENTRO



NOTES

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COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

26G-195969.8/7/12A97

Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice 7/30/97
Rhonda L. Hice — Date
PS NO. 11953

RHONDA L. HICE — NEW MEXICO — 11953 — REGISTERED PROFESSIONAL SURVEYOR

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PROJECT MANAGERS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE — LAS CRUCES — SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
STORM DRAIN PLAN & PROFILE
RANCHO CENTRO STA. 7+00.00 - 14+59.58

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
456997	C-12	12a	22

BHI JOB NO. C96436A2440

Copyright Bohannan-Huston, Inc. 1996
DATE: DECEMBER, 1996

AS-BUILT INFORMATION
CONTRACTOR New Concepts Inc
STAKED BY US
INSPECTOR'S ACCEPTANCE BY Gurney DATE 6/97
FIELD VERIFICATION BY US DATE 6/97
DRAWINGS CORRECTED BY RH DATE 7/97
INTERSECTION OF CENTRAL AVE. AND STATE RD. MICRO-FILM INFORMATION
448. GO NORTH ON STATE RD. 448. 6.1 MILES. RECORDED BY DATE
THE STATION IS 450' WEST OF STATE RD. 448 NO.
IN A FENCED IN PRAIRIE. ELEV.= 5049.93

BENCH MARKS

NO.	BY	DATE	STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448. GO NORTH ON STATE RD. 448. 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION
FIELD NOTES

ENGINEER'S SEAL
JAMES R. TOPMILLER — NEW MEXICO — 9354 — REGISTERED PROFESSIONAL ENGINEER
12/20/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

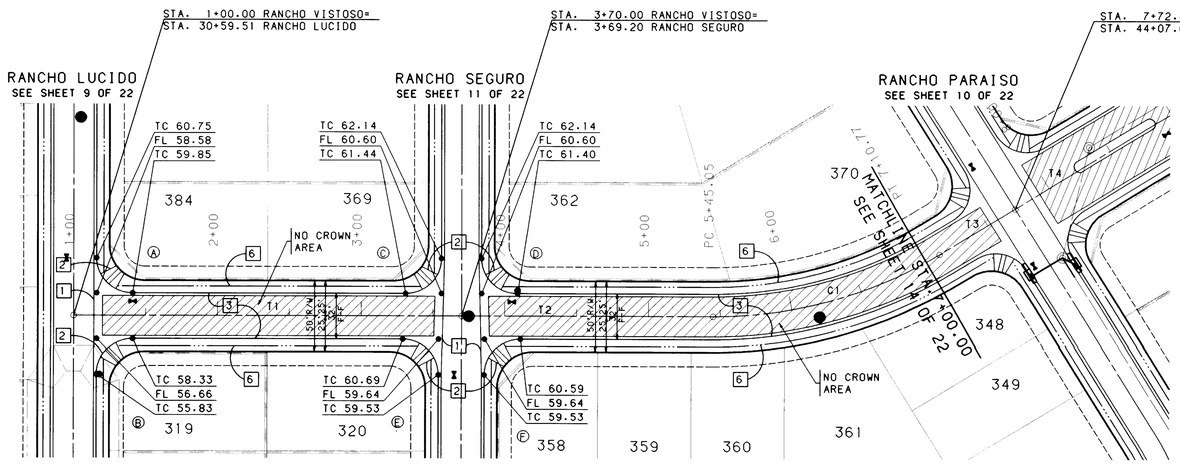
		DATE
DESIGNED BY	MSJ	11/96
DRAWN BY	BS	11/96
CHECKED BY	JRT	

USERNAME: CDP:[C96436A2400.PAD]
FILENAME: CENTRO4.GRF

SCANNED BY LASON

CENTERLINE CURVE DATA						
NUMBER	PI STA.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS
C1	6+30.09	31°39' 0.8"	19° 5'55"	85.03'	165.72'	300.00'

TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N77°00'08"E	270.00'
T2	N77°00'08"E	175.05'
T3	N45°21'07"E	61.58'
T4	N45°21'07"E	174.01'



	TC	FL	
1	60.08	59.41	Ⓐ
2	59.65	59.63	
3	60.53	59.86	

D= 90°00'00"
L= 39.27'
R= 25.00'

	TC	FL	
1	56.46	55.79	Ⓑ
2	56.43	56.41	
3	57.71	57.04	

D= 90°00'00"
L= 39.27'
R= 25.00'

	TC	FL	
1	61.97	61.30	Ⓒ
2	61.14	61.12	
3	61.62	60.95	

D= 90°00'00"
L= 39.27'
R= 25.00'

	TC	FL	
1	61.59	60.92	Ⓓ
2	61.12	61.10	
3	61.96	61.29	

D= 90°00'00"
L= 39.27'
R= 25.00'

	TC	FL	
1	60.40	59.73	Ⓔ
2	59.46	59.44	
3	59.82	59.15	

D= 90°00'00"
L= 39.27'
R= 25.00'

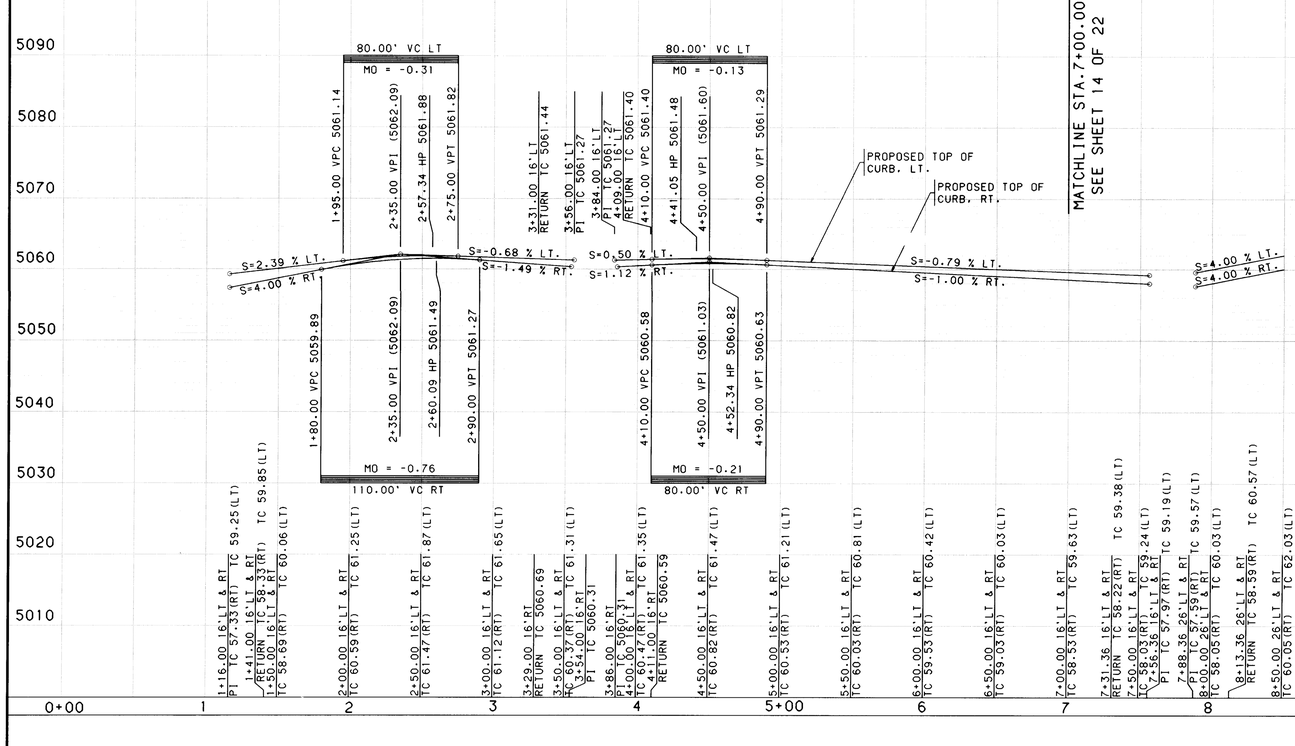
	TC	FL	
1	59.80	59.13	Ⓕ
2	59.41	59.39	
3	60.33	59.66	

D= 90°00'00"
L= 39.27'
R= 25.00'

N

50 25 0 50
SCALE: 1" = 50'
(HORIZ.)

RANCHO VISTOSO



SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
PS NO. 11953

RHONDA L. HICE
NEW MEXICO
11953
REGISTERED PROFESSIONAL SURVEYOR

7/30/97
Date

NOTES

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13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
3. STD. CURB & GUTTER AS PER STD. DWG. 2415
4. • ROLL CURB & GUTTER AS PER STD. DWG. 2415
5. • MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
6. FUTURE 4' SIDEWALK
7. • BUILD 4' SIDEWALK

• NOT APPLICABLE THIS SHEET

AS-BUILT INFORMATION
CONTRACTOR New Concepts, Inc
WORK STAKED BY LJS
INSPECTOR'S ACCEPTANCE BY Sandoval DATE 6/97
FIELD VERIFICATION BY LJS DATE 6/97
DRAWINGS CORRECTED BY RH DATE 7/97
MICRO-FILM INFORMATION
RECORDED By DATE
NO.

BENCH MARKS
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES R. TOPMILLER
NEW MEXICO
9354
REGISTERED PROFESSIONAL ENGINEER
12/20/96

REMARKS
REVISIONS
DESIGN

NO.	DATE	BY

DESIGNED BY MSJ DATE 11/96
DRAWN BY BS, OR, SAR DATE 11/96
CHECKED BY JRT DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
PAVING PLAN & PROFILE
RANCHO VISTOSO STA. 1+00.00 - 7+00.00

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
456997	C-12	13	22

BHI JOB NO. C96436A2440

Copyright Bohannan-Huston, Inc. 1996
DATE: DECEMBER, 1997

USERNAME: CDP:[C96436A2400.PAD]
FILENAME: VISTOS01.GRF

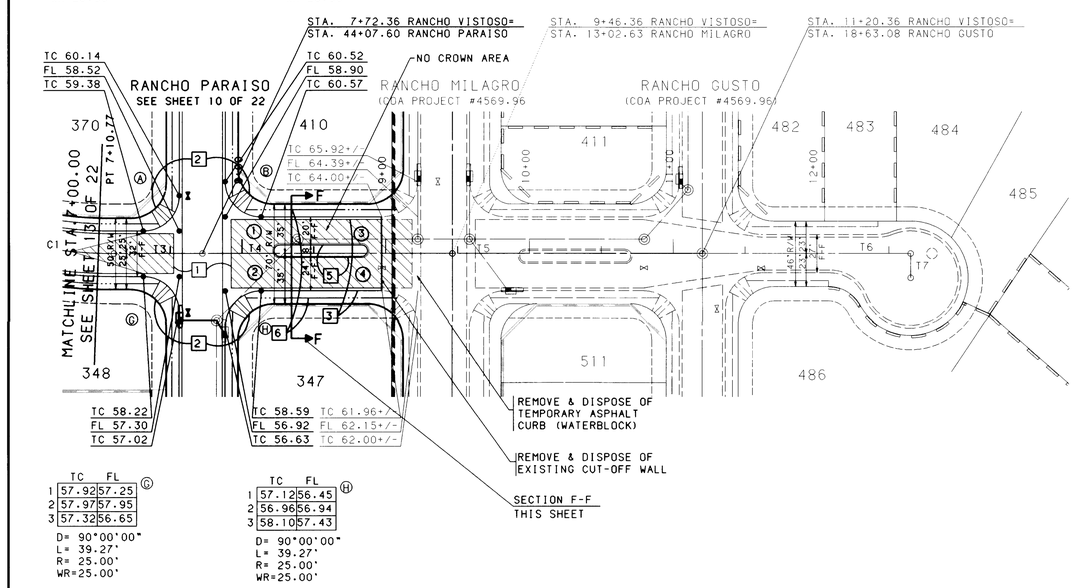
SCANNED BY
BY LASON

	TC	FL
1	59.95	59.28
2	59.11	59.09
3	59.57	58.90

Ⓐ D= 90°00'00" L= 39.27' R= 25.00' WR=25.00'

	TC	FL
1	60.55	59.89
2	59.90	59.88
3	60.53	59.86

Ⓑ D= 90°00'00" L= 39.27' R= 25.00' WR=25.00'



	TC	FL
1	57.92	57.25
2	57.97	57.95
3	57.32	56.65

Ⓖ D= 90°00'00" L= 39.27' R= 25.00' WR=25.00'

	TC	FL
1	57.12	56.45
2	56.96	56.94
3	58.10	57.43

Ⓗ D= 90°00'00" L= 39.27' R= 25.00' WR=25.00'

CENTERLINE CURVE DATA

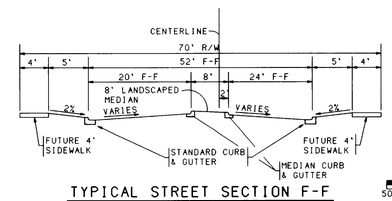
NUMBER	PI STA.	DELTA	DEGREE	TANGENT	LENGTH	RADIUS
C1	6+30.09	31°39' 0.8"	19° 5'55"	85.03'	165.72'	300.00'

TANGENT DATA

NUMBER	BEARING	DISTANCE
T3	N45°21'07"E	61.58'
T4	N45°21'07"E	174.01'
T5	N45°21'07"E	174.00'
T6	N45°21'07"E	144.81'
T7	S44°38'53"E	17.00'

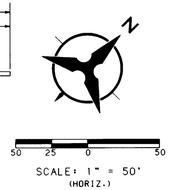
MEDIAN CURB DATA

PT	TC	STATION & OFFSET
1	60.31	8+26.36. 6'LT.
2	59.98	8+26.36. 2'RT.
3	62.59	8+83.36. 6'LT.
4	62.26	8+83.36. 2'RT.



TYPICAL STREET SECTION F-F

NO SCALE



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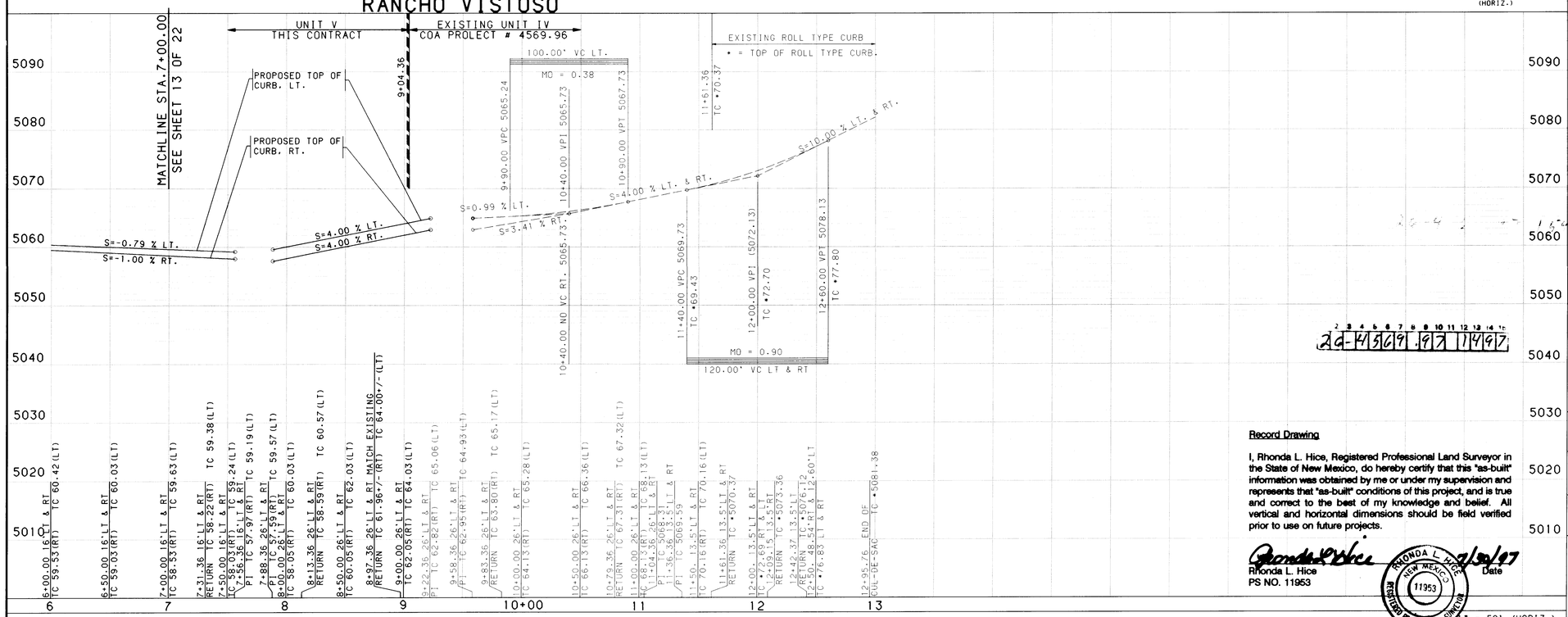
COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 OR 2421
2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441. CASE II
3. STD. CURB & GUTTER AS PER STD. DWG. 2415
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415
5. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
6. FUTURE 4' SIDEWALK
7. BUILD 4' SIDEWALK

• NOT APPLICABLE THIS SHEET

RANCHO VISTOSO



Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
PS NO. 11953

1/30/97
Date

RHONDA L. HICE NEW MEXICO 11953 REGISTERED PROFESSIONAL SURVEYOR

1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. C96436A2440

AS-BUILT INFORMATION
CONTRACTOR New Concepts, Inc
WORK STAKED BY LS
INSPECTOR'S ACCEPTANCE BY Sanchez DATE 6/97
FIELD VERIFICATION BY LS DATE 4/97
DRAWINGS CORRECTED BY AH DATE 7/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. ELEV.= 5049.93

BENCH MARKS
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES 1954". SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448. GO NORTH ON STATE RD. 448. 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER
12/20/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY MSJ DATE 11/96
DRAWN BY BS. OR. SAR DATE 11/96
CHECKED BY JRT DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
PAVING PLAN & PROFILE
RANCHO VISTOSO STA. 7+00.00 - 12+95.76

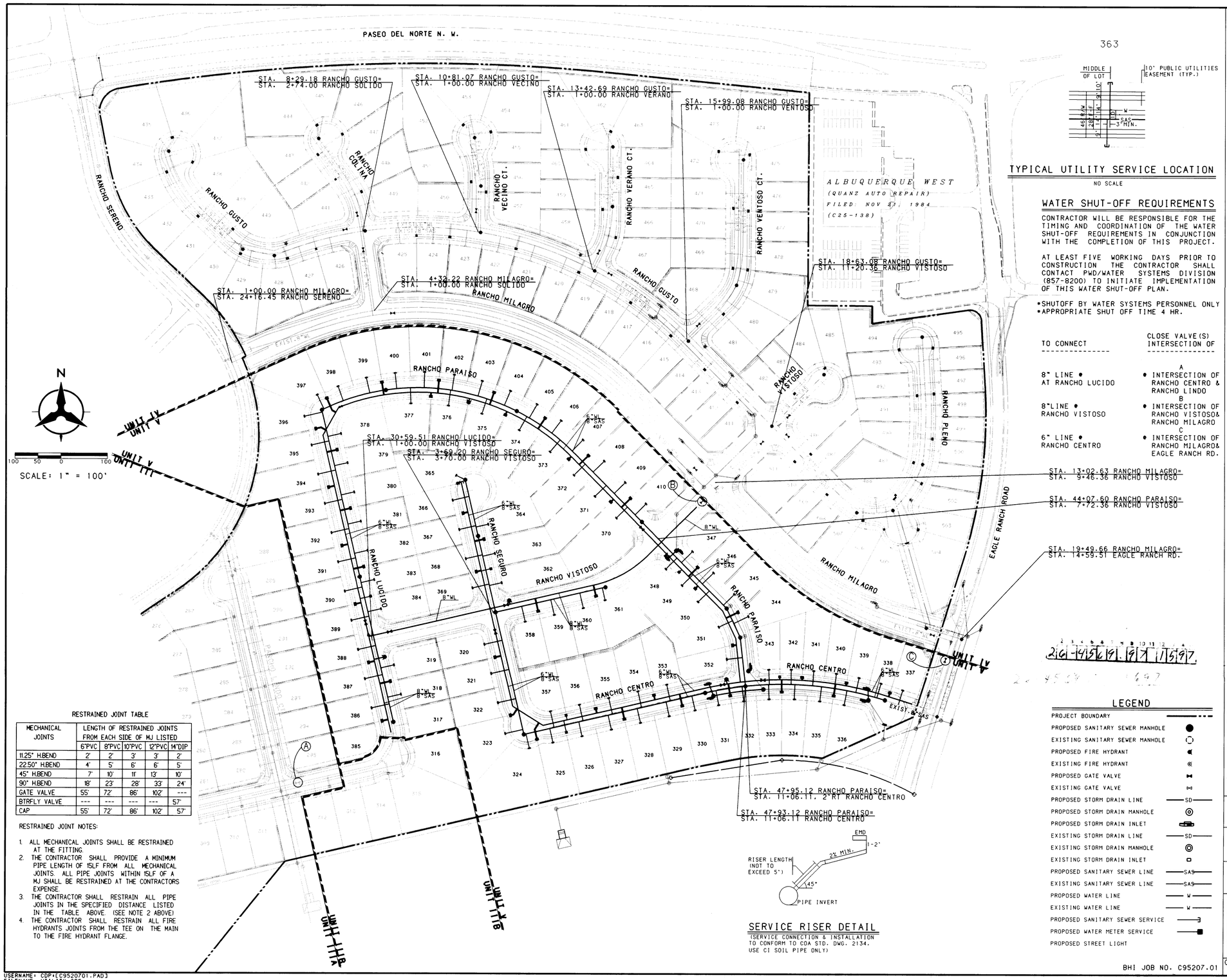
DESIGN REVIEW COMMITTEE: APPROVED
CITY ENGINEER APPROVAL
LAST DESIGN UPDATE MO./DAY/YR MO./DAY/YR

CITY PROJECT NO. 456997
ZONE MAP NO. C-12
SHEET 14 OF 22

Copyright Bohannan-Huston, Inc. 1996
DATE: DECEMBER, 1997

USERNAME: CDP:[C96436A2400.PAD]
FILENAME: VIST0502.GRF

SCANNED BY LASON



TYPICAL UTILITY SERVICE LOCATION

NO SCALE

WATER SHUT-OFF REQUIREMENTS

CONTRACTOR WILL BE RESPONSIBLE FOR THE TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS IN CONJUNCTION WITH THE COMPLETION OF THIS PROJECT.

AT LEAST FIVE WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT PWD/WATER SYSTEMS DIVISION (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN.

- SHUTOFF BY WATER SYSTEMS PERSONNEL ONLY
- APPROPRIATE SHUT OFF TIME 4 HR.

TO CONNECT	CLOSE VALVE(S) INTERSECTION OF
8" LINE AT RANCHO LUCIDO	A • INTERSECTION OF RANCHO CENTRO & RANCHO LINDO
8" LINE RANCHO VISTOSO	B • INTERSECTION OF RANCHO VISTOSO& RANCHO MILAGRO
6" LINE RANCHO CENTRO	C • INTERSECTION OF RANCHO MILAGRO& EAGLE RANCH RD.

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

14. FOR RESTRAINED JOINTS, SEE TABLE - SHEET 15 OF 22 (TYP).

15. FIRE HYDRANTS RESTRAINED FROM DISTRIBUTION LINE TO FLANGE (TYP).

RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED				
	6"PVC	8"PVC	10"PVC	12"PVC	14"DIP
11.25° H.BEND	2'	2'	3'	3'	2'
22.50° H.BEND	4'	5'	6'	6'	5'
45° H.BEND	7'	10'	11'	13'	10'
90° H.BEND	18'	23'	28'	33'	24'
GATE VALVE	55'	72'	86'	102'	---
BTRFLY VALVE	---	---	---	---	57'
CAP	55'	72'	86'	102'	57'

RESTRAINED JOINT NOTES:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 15LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 15LF OF A MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE)
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANTS JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

SERVICE RISER DETAIL

(SERVICE CONNECTION & INSTALLATION TO CONFORM TO COA STD. DWG. 2134. USE CI SOIL PIPE ONLY)

LEGEND

PROJECT BOUNDARY	
PROPOSED SANITARY SEWER MANHOLE	●
EXISTING SANITARY SEWER MANHOLE	◌
PROPOSED FIRE HYDRANT	
EXISTING FIRE HYDRANT	
PROPOSED GATE VALVE	
EXISTING GATE VALVE	
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
EXISTING STORM DRAIN INLET	
PROPOSED SANITARY SEWER LINE	SAS
EXISTING SANITARY SEWER LINE	SAS
PROPOSED WATER LINE	W
EXISTING WATER LINE	W
PROPOSED SANITARY SEWER SERVICE	
PROPOSED WATER METER SERVICE	
PROPOSED STREET LIGHT	

BHI JOB NO. C95207.01

AS-BUILT INFORMATION

CONTRACTOR New Concepts, Inc.
WORK STAKED BY LCS
INSPECTOR'S ACCEPTANCE BY Schwartz DATE 6/97
FIELD VERIFICATION BY LCS DATE 6/97
DRAWINGS CORRECTED BY RH DATE 7/97

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MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

ENGINEER'S SEAL

JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER
12/20/96

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY MSJ DATE 11/96
DRAWN BY OR. SAR DATE 11/96
CHECKED BY JRT DATE 11/96

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Rhonda L. Hice
PS NO. 11953

Date

RHONDA L. HICE NEW MEXICO 11953 REGISTERED PROFESSIONAL SURVEYOR

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V

OVERALL UTILITY PLAN

DESIGN REVIEW COMMITTEE: APPROVED — DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

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

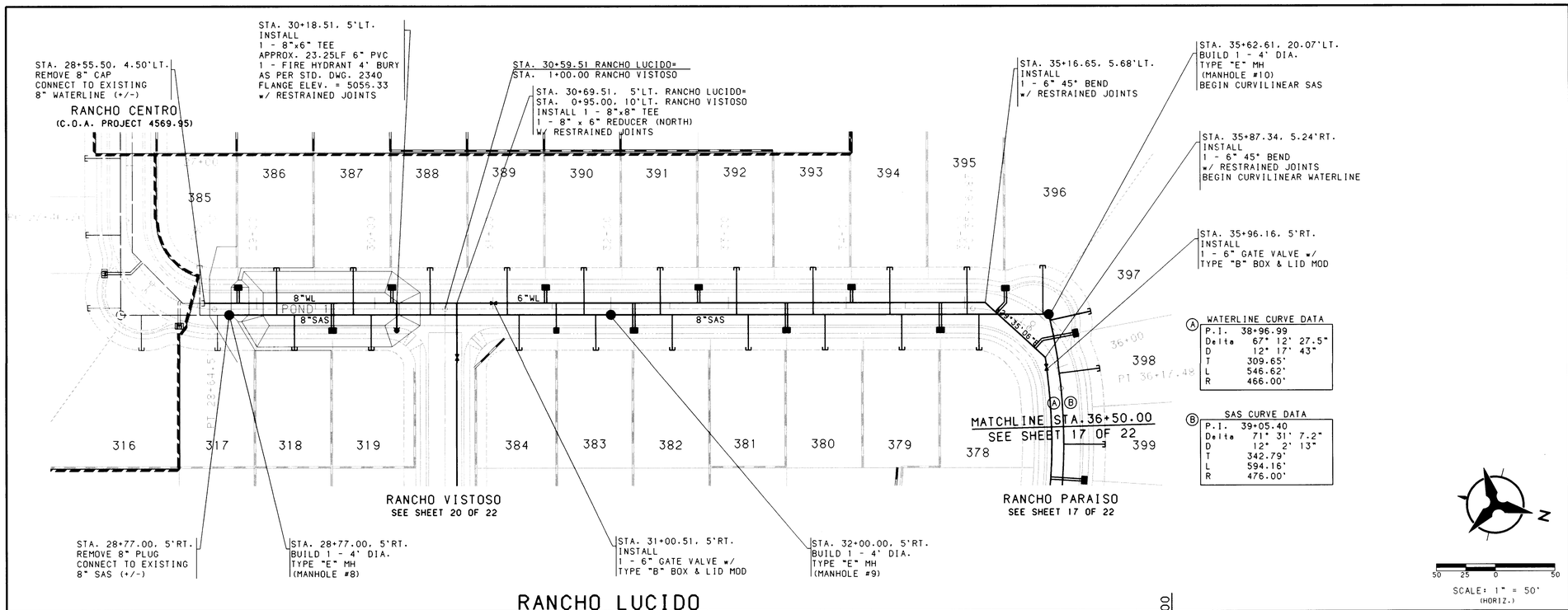
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
456997	C-12	15	22

Copyright Bohannan-Huston, Inc., 1996

DATE: DECEMBER, 1997

USERNAME: CDP:[C9520701.PAD]
FILENAME: UTILITY.GRF

SCANNED BY LASON



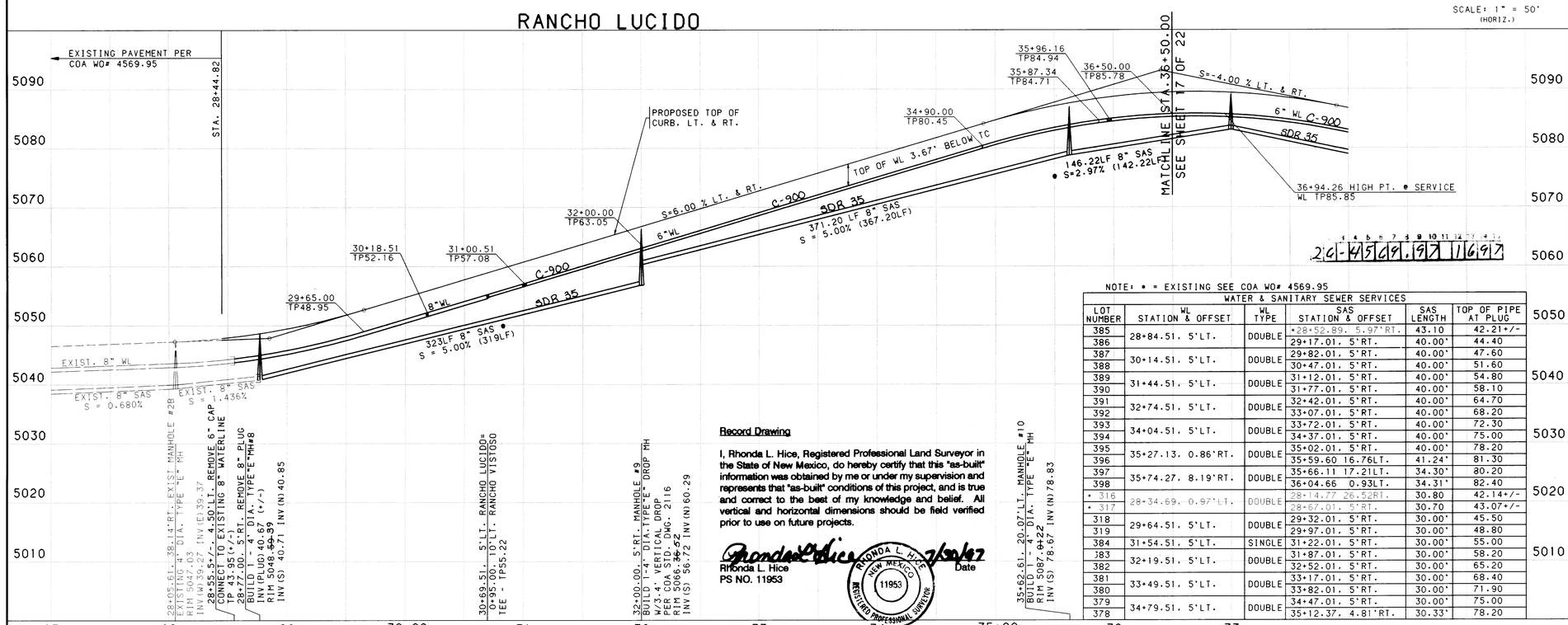
(A) WATERLINE CURVE DATA

P.I.	38+96.99
Delta	67° 12' 27.5"
D	12° 17' 43"
T	309.65'
L	546.62'
R	466.00'

(B) SAS CURVE DATA

P.I.	39+05.40
Delta	71° 31' 7.2"
D	12° 2' 13"
T	342.79'
L	594.16'
R	476.00'

RANCHO LUCIDO



NOTE: • = EXISTING SEE COA WO# 4569.95

WATER & SANITARY SEWER SERVICES

LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
385	28+84.51, 5'LT.	DOUBLE	•28+52.89, 5.97'RT.	43.10	42.21+/-
386			29+17.01, 5'RT.	40.00'	44.40
387	30+14.51, 5'LT.	DOUBLE	29+82.01, 5'RT.	40.00'	47.60
388			30+47.01, 5'RT.	40.00'	51.60
389	31+44.51, 5'LT.	DOUBLE	31+12.01, 5'RT.	40.00'	54.80
390			31+77.01, 5'RT.	40.00'	58.10
391	32+74.51, 5'LT.	DOUBLE	32+42.01, 5'RT.	40.00'	64.70
392			33+07.01, 5'RT.	40.00'	68.20
393	34+04.51, 5'LT.	DOUBLE	33+72.01, 5'RT.	40.00'	72.30
394			34+37.01, 5'RT.	40.00'	75.00
395	35+27.13, 0.86'RT.	DOUBLE	35+02.01, 5'RT.	40.00'	78.20
396			35+59.60 16.76LT.	41.24'	81.30
397	35+74.27, 8.19'RT.	DOUBLE	35+66.11 17.21LT.	34.30'	80.20
398			36+04.66 0.93LT.	34.31'	82.40
• 316	28+34.69, 0.97'LT.	DOUBLE	28+14.77 26.52RT.	30.80	42.14+/-
• 317			28+67.01, 5'RT.	30.70	43.07+/-
318	29+64.51, 5'LT.	DOUBLE	29+32.01, 5'RT.	30.00'	45.50
319			29+97.01, 5'RT.	30.00'	48.80
384	31+54.51, 5'LT.	SINGLE	31+22.01, 5'RT.	30.00'	55.00
383	32+19.51, 5'LT.	DOUBLE	31+87.01, 5'RT.	30.00'	58.20
382			32+52.01, 5'RT.	30.00'	65.20
381	33+49.51, 5'LT.	DOUBLE	33+17.01, 5'RT.	30.00'	68.40
380			33+82.01, 5'RT.	30.00'	71.90
379	34+79.51, 5'LT.	DOUBLE	34+47.01, 5'RT.	30.00'	75.00
378			35+12.37, 4.81'RT.	30.33'	78.20

Record Drawing

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Rhonda L. Hice 7/30/97
Rhonda L. Hice — Date
PS NO. 11953

RHONDA L. HICE — NEW MEXICO — 11953 — REGISTERED PROFESSIONAL SURVEYOR

NOTES

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COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

14. FOR RESTRAINED JOINTS, SEE TABLE - SHEET 15 OF 22 (TYP).

15. FIRE HYDRANTS RESTRAINED FROM DISTRIBUTION LINE TO FLANGE (TYP).

16. MATERIALS FOR UTILITIES SHALL BE THE FOLLOWING:
WATER: - C900 PVC
SANITARY SEWER: - SDR35 PVC
STORM: - RCP III

17. ADJUST ALL EXISTING MH RIM ELEVATIONS AS NEEDED.

AS-BUILT INFORMATION
CONTRACTOR New Concepts, Inc
WORK STAKED BY LS DATE 6/97
INSPECTOR'S ACCEPTANCE BY [illegible] DATE 6/97
FIELD VERIFICATION BY JS DATE 6/97
DRAWINGS CORRECTED BY RH DATE 7/97

BENCH MARKS
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RECORDED BY
NO. DATE

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES R. TOPMILLER — NEW MEXICO — 9354 — REGISTERED PROFESSIONAL ENGINEER
12/20/96

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY MSJ DATE 11/96
DRAWN BY BS, DR, SAR DATE 11/96
CHECKED BY JRT DATE 11/96

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
UTILITY PLAN & PROFILE
RANCHO LUCIDO STA. 27+00.00 - 36+50.00

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

CITY PROJECT NO. 456997
ZONE MAP NO. C-12
SHEET 16 OF 22

USERNAME: CDP:[C96436A2400.PADJ]
FILENAME: LUCIDO.GRF
BHI JOB NO. C96436A2440

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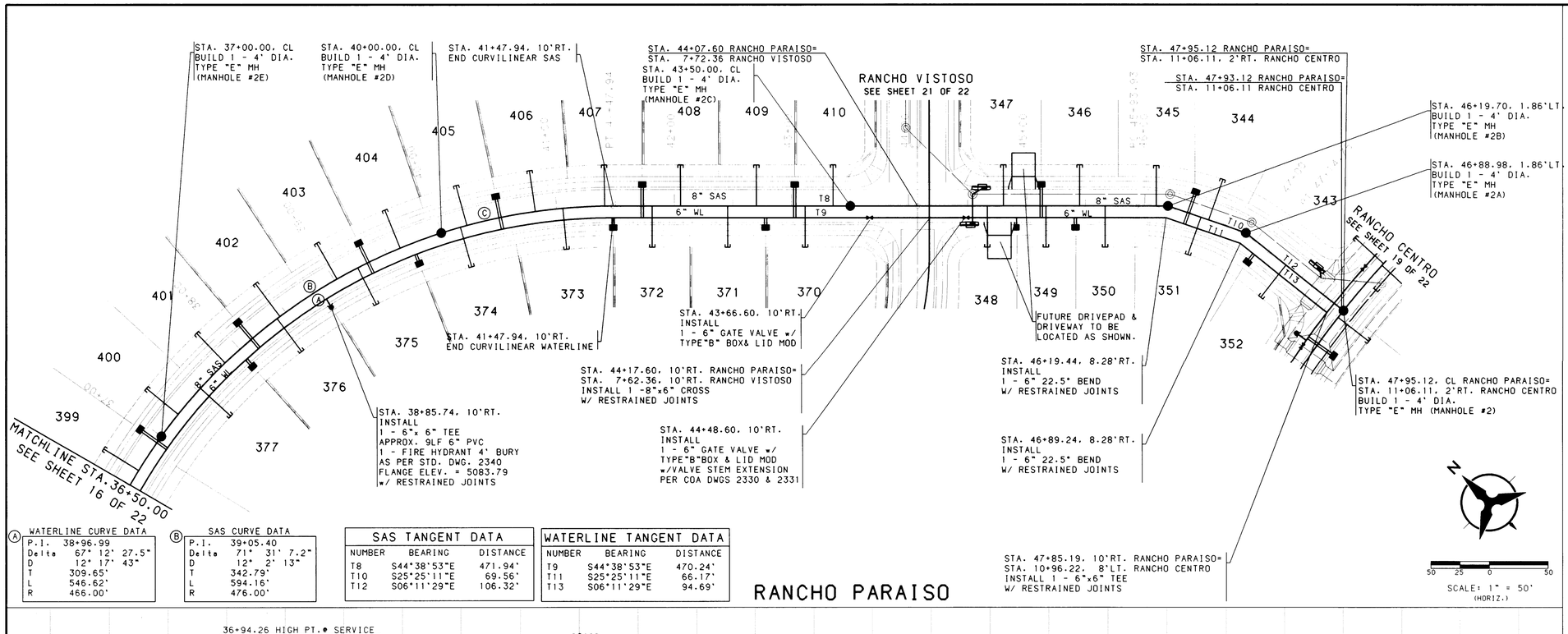
DATE: DECEMBER, 1996

SCANNED BY LASON

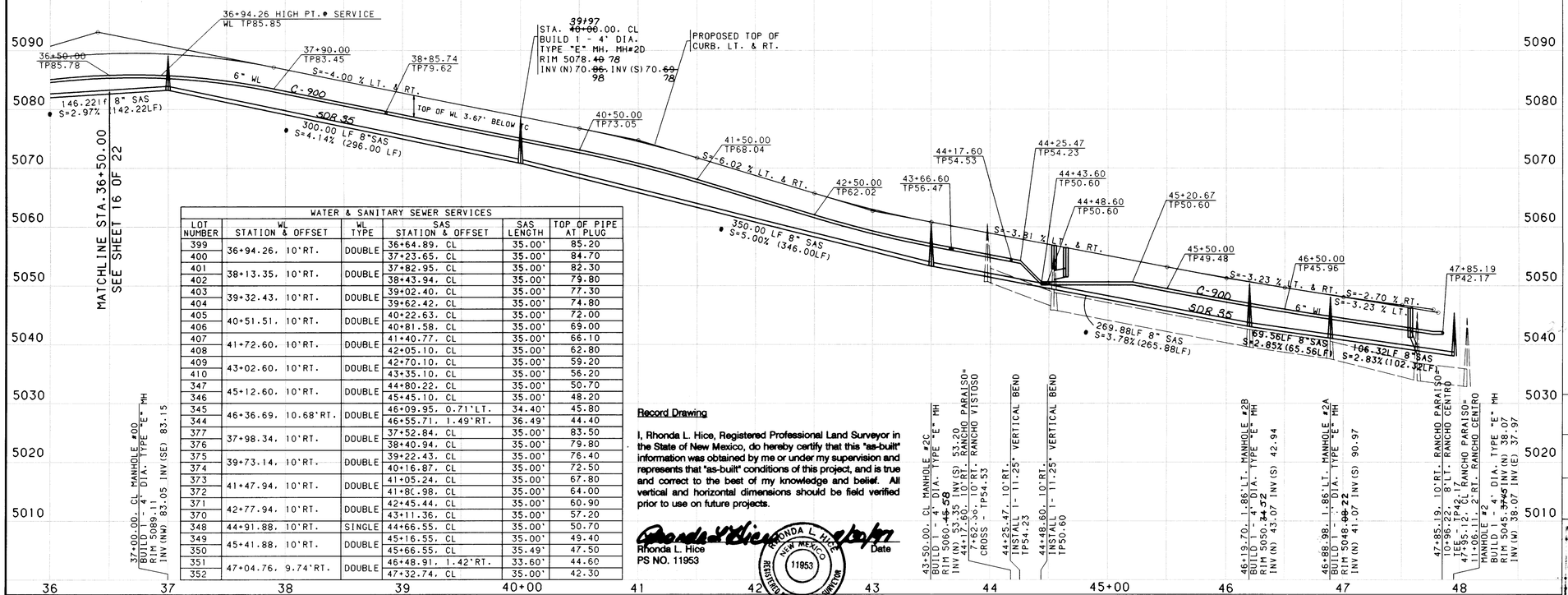


WATERLINE CURVE DATA	
P.I.	38+96.99
Delta	67° 12' 27.5"
D	12° 17' 43"
T	309.65'
L	546.62'
R	466.00'

SAS CURVE DATA	
P.I.	39+05.40
Delta	71° 31' 7.2"
D	12° 2' 13"
T	342.79'
L	594.16'
R	476.00'

SAS TANGENT DATA		
NUMBER	BEARING	DISTANCE
T8	S44°38'53"E	471.94'
T10	S25°25'11"E	69.56'
T12	S06°11'29"E	106.32'

WATERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T9	S44°38'53"E	470.24'
T11	S25°25'11"E	66.17'
T13	S06°11'29"E	94.69'



WATER & SANITARY SEWER SERVICES						
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
399	36+94.26, 10'RT.	DOUBLE	36+64.89, CL	35.00'	85.20
400			37+23.65, CL	35.00'	84.70
401	38+13.35, 10'RT.	DOUBLE	37+82.95, CL	35.00'	82.30
402			38+43.94, CL	35.00'	79.80
403	39+32.43, 10'RT.	DOUBLE	39+02.40, CL	35.00'	77.30
404			39+62.42, CL	35.00'	74.80
405	40+51.51, 10'RT.	DOUBLE	40+22.63, CL	35.00'	72.00
406			40+81.58, CL	35.00'	69.00
407	41+72.60, 10'RT.	DOUBLE	41+40.77, CL	35.00'	66.10
408			42+05.10, CL	35.00'	62.80
409	43+02.60, 10'RT.	DOUBLE	42+70.10, CL	35.00'	59.20
410			43+35.10, CL	35.00'	56.20
347	45+12.60, 10'RT.	DOUBLE	44+80.22, CL	35.00'	50.70
346			45+45.10, CL	35.00'	48.20
345	46+36.69, 10.68'RT.	DOUBLE	46+09.95, 0.71'LT.	34.40'	45.80
344			46+55.71, 1.49'RT.	36.49'	44.40
377	37+98.34, 10'RT.	DOUBLE	37+52.84, CL	35.00'	83.50
376			38+40.94, CL	35.00'	79.80
375	39+73.14, 10'RT.	DOUBLE	39+22.43, CL	35.00'	76.40
374			40+16.87, CL	35.00'	72.50
373	41+47.94, 10'RT.	DOUBLE	41+05.24, CL	35.00'	67.80
372			41+80.98, CL	35.00'	64.00
371	42+77.94, 10'RT.	DOUBLE	42+45.44, CL	35.00'	60.90
370			43+11.36, CL	35.00'	57.20
348	44+91.88, 10'RT.	SINGLE	44+66.55, CL	35.00'	50.70
349	45+41.88, 10'RT.	DOUBLE	45+16.55, CL	35.00'	49.40
350			45+66.55, CL	35.49'	47.50
351	47+04.76, 9.74'RT.	DOUBLE	46+48.91, 1.42'RT.	33.60'	44.60
352			47+32.74, CL	35.00'	42.30

Record Drawing

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Rhonda L. Hice
PS NO. 11953

Date

RHONDA L. HICE NEW MEXICO 11953 REGISTERED PROFESSIONAL SURVEYOR

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12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

14. FOR RESTRAINED JOINTS, SEE TABLE - SHEET 15 OF 22 (TYP).

15. FIRE HYDRANTS RESTRAINED FROM DISTRIBUTION LINE TO FLANGE (TYP).

16. MATERIALS FOR UTILITIES SHALL BE THE FOLLOWING:
WATER: C900 PVC
SANITARY: SDR35 PVC
STORM: RCP III

17. ADJUST ALL EXISTING MH RIM ELEVATIONS AS NEEDED.

AS-BUILT INFORMATION
CONTRACTOR New Concepts, Inc.
WORK STAKED BY LS
SURVEYED BY Cascade DATE 4/97
ACCEPTANCE BY DATE 6/97
FIELD VERIFICATION BY LS DATE 7/97
DRAWINGS CORRECTED BY RH
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY MSJ DATE 11/96
DRAWN BY BS, DR, SAR DATE 11/96
CHECKED BY JRT DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
UTILITY PLAN & PROFILE
RANCHO PARAISO STA. 36+50.00 - 47+95.12

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
456997	C-12	17	22

USERNAME: CDP:[C96436A2400.PAD]
FILENAME: PARAISO.GRF

BHI JOB NO. C96436A2440

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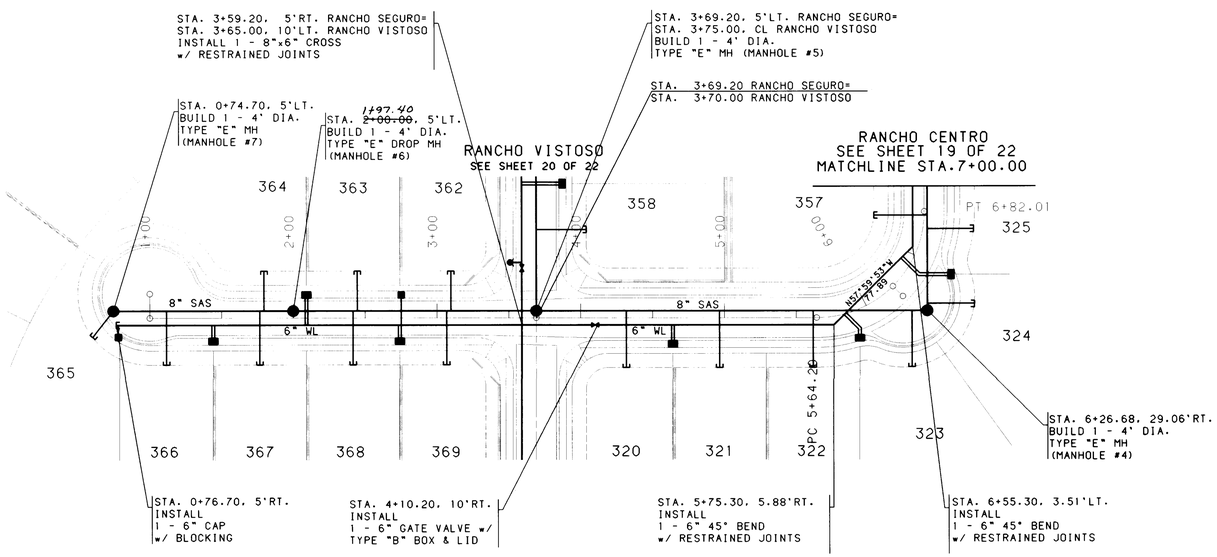
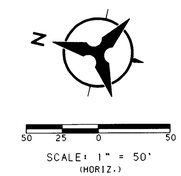
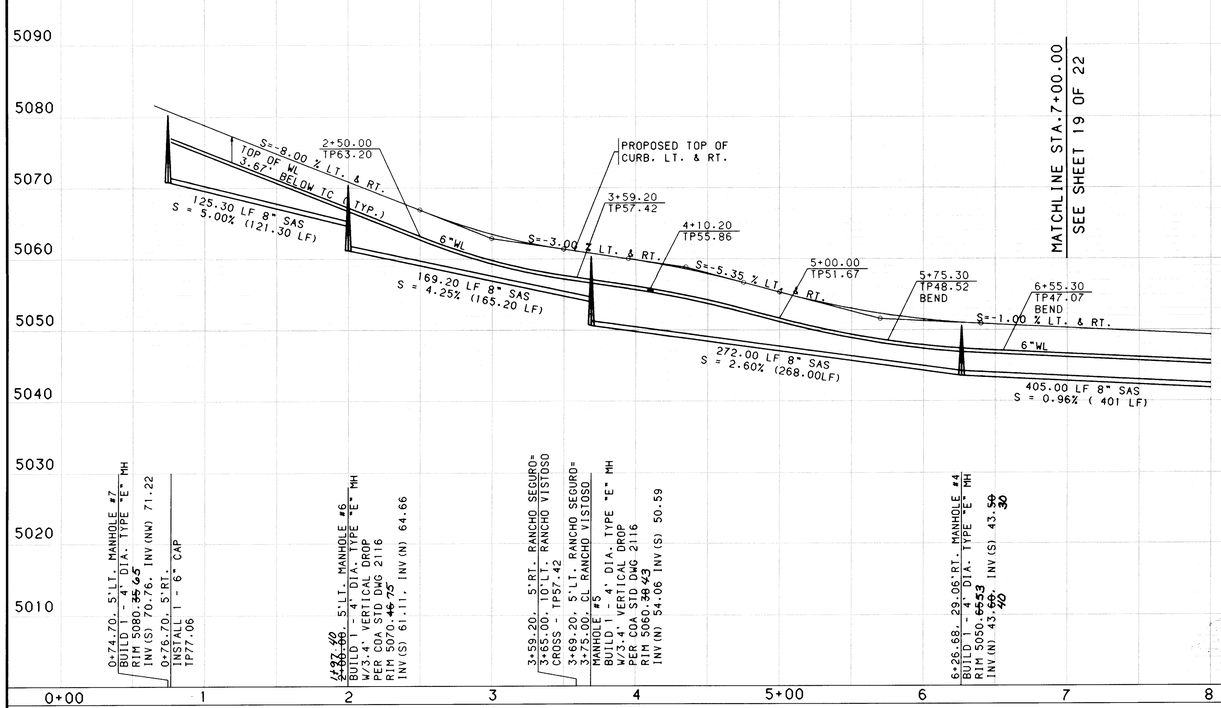
DATE: DECEMBER,1996

SCANNED BY
BY LASON





RANCHO SEGURO



WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
362	2+74.20. 5'RT.	SINGLE	3+09.70. 5'LT.	28.00'	58.20
363	2+09.20. 5'RT.	DOUBLE	2+44.70. 5'LT.	28.00'	61.40
364			1+79.70. 5'LT.	28.00'	67.50
365	0+79.20. 5'RT.	SINGLE	0+74.70. 5'LT. MH	23.33'	72.50
366	1+44.20. 5'RT.	DOUBLE	1+11.70. 5'LT.	38.00'	71.20
367			1+76.70. 5'LT.	38.00'	67.70
368	2+74.20. 5'RT.	DOUBLE	2+41.70. 5'LT.	38.00'	61.60
369			3+06.70. 5'LT.	38.00'	58.40
320	4+64.20. 5'RT.	DOUBLE	4+31.70. 5'LT.	40.00'	51.50
321			4+96.70. 5'LT.	40.00'	49.70
322	5+84.14. 0.12'LT.	DOUBLE	5+61.70. 5'LT.	40.00'	47.70
323			6+21.05 21.38'RT.	39.61'	46.10
324	6+44.36. 7.30'LT.	DOUBLE	6+29.43 25.77'RT.	32.75'	45.70
325			6+70.31 2.95'RT.	32.33'	45.30
365	SEE SHEET 19 OF 22	------	6+79.58. 2.04'RT.	37.08'	45.50

Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
PS NO. 11953

RHONDA L. HICE NEW MEXICO 11953 REGISTERED PROFESSIONAL SURVEYOR

7/30/97
Date

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

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5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

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COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

14. FOR RESTRAINED JOINTS, SEE TABLE - SHEET 15 OF 22 (TYP).

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WATER: C900 PVC
SANITARY: SDR35 PVC
STORM: RCP III

17. ADJUST ALL EXISTING MH RIM ELEVATIONS AS NEEDED.

AS-BUILT INFORMATION
CONTRACTOR New Concepts Inc
WORK STAKED BY US
INSPECTOR'S ACCEPTANCE BY ~~[illegible]~~ DATE 6/97
FIELD VERIFICATION BY US DATE 7/97
DRAWINGS CORRECTED BY RH DATE 7/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER
12/20/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY MSJ DATE 11/96
DRAWN BY OR. SAR DATE 11/96
CHECKED BY JRT DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
UTILITY PLAN & PROFILE
RANCHO SEGURO STA. 1+00.00 - 7+00.00

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

CITY PROJECT NO. 456997 | ZONE MAP NO. C-12 | SHEET 18 OF 22

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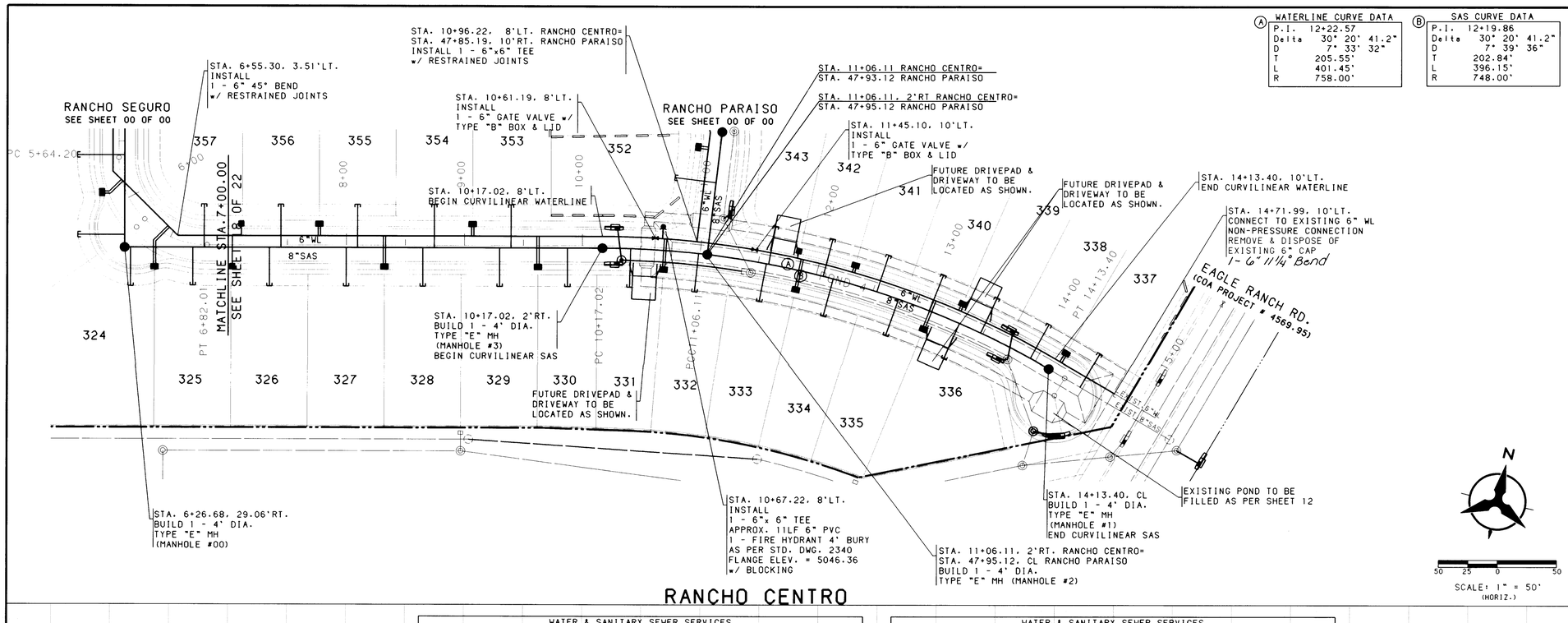
DATE:

USERNAME: CDP:[C96436A2400.PAD]
FILENAME: SEGURO.GRF

BHI JOB NO. C96436A2400

SCANNED BY BY LASON



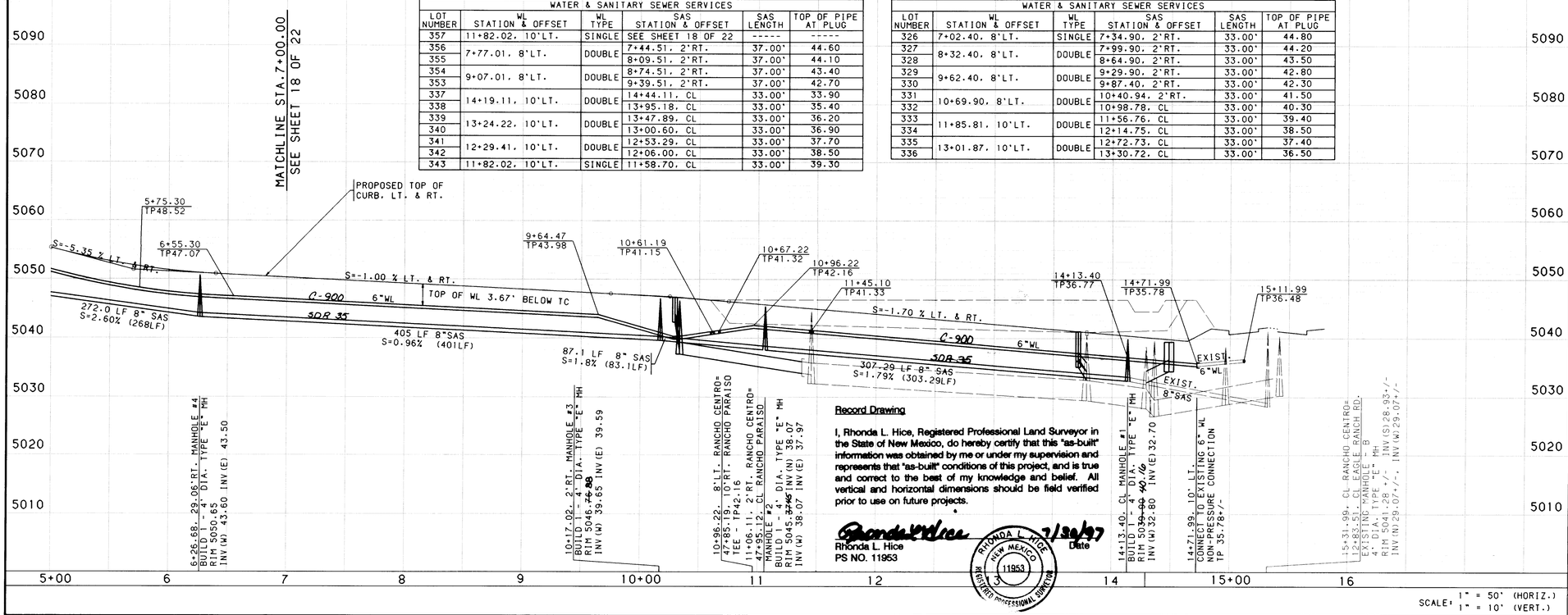
RANCHO CENTRO

WATERLINE CURVE DATA	
P.I.	12+22.57
Delta	30° 20' 41.2"
D	7° 33' 32"
T	205.55'
L	401.45'
R	758.00'

SAS CURVE DATA	
P.I.	12+19.86
Delta	30° 20' 41.2"
D	7° 39' 36"
T	202.84'
L	396.15'
R	748.00'

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
357	11+82.02. 10'LT.	SINGLE	SEE SHEET 18 OF 22	-----	-----
356	7+77.01. 8'LT.	DOUBLE	7+44.51. 2'RT.	37.00'	44.60
355			8+09.51. 2'RT.	37.00'	44.10
354	9+07.01. 8'LT.	DOUBLE	8+74.51. 2'RT.	37.00'	43.40
353			9+39.51. 2'RT.	37.00'	42.70
337	14+19.11. 10'LT.	DOUBLE	14+44.11. CL	33.00'	33.90
338			13+95.18. CL	33.00'	35.40
339	13+24.22. 10'LT.	DOUBLE	13+47.89. CL	33.00'	36.20
340			13+00.60. CL	33.00'	36.90
341	12+29.41. 10'LT.	DOUBLE	12+53.29. CL	33.00'	37.70
342			12+06.00. CL	33.00'	38.50
343	11+82.02. 10'LT.	SINGLE	11+58.70. CL	33.00'	39.30

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
326	7+02.40. 8'LT.	SINGLE	7+34.90. 2'RT.	33.00'	44.80
327	8+32.40. 8'LT.	DOUBLE	7+99.90. 2'RT.	33.00'	44.20
328			8+64.90. 2'RT.	33.00'	43.50
329	9+62.40. 8'LT.	DOUBLE	9+29.90. 2'RT.	33.00'	42.80
330			9+87.40. 2'RT.	33.00'	42.30
331	10+69.90. 8'LT.	DOUBLE	10+40.94. 2'RT.	33.00'	41.50
332			10+98.78. CL	33.00'	40.30
333	11+85.81. 10'LT.	DOUBLE	11+56.76. CL	33.00'	39.40
334			12+14.75. CL	33.00'	38.50
335	13+01.87. 10'LT.	DOUBLE	12+72.73. CL	33.00'	37.40
336			13+30.72. CL	33.00'	36.50



Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice 7/30/97
Rhonda L. Hice Date
PS NO. 11953

RHONDA L. HICE NEW MEXICO 11953 REGISTERED PROFESSIONAL SURVEYOR

NOTES

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US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

14. FOR RESTRAINED JOINTS, SEE TABLE - SHEET 15 OF 22 (TYP).

15. FIRE HYDRANTS RESTRAINED FROM DISTRIBUTION LINE TO FLANGE (TYP).

16. MATERIALS FOR UTILITIES SHALL BE THE FOLLOWING:
WATER: - C900 PVC
SANITARY SEWER: - SDR35 PVC
STORM: - RCP III

17. ADJUST ALL EXISTING MH RIM ELEVATIONS AS NEEDED.

AS-BUILT INFORMATION
CONTRACTOR New Concepts, Inc.
WORK PERFORMED BY LS DATE 6/97
INSPECTOR'S ACCEPTANCE BY [illegible] DATE 6/97
FIELD VERIFICATION BY LS DATE 6/97
DRAWINGS CORRECTED BY RH DATE 7/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER
10/20/96

REVISIONS
NO. DATE REMARKS BY
DESIGN DATE 11/96
DESIGNED BY MSJ
DRAWN BY BS DATE 11/96
CHECKED BY JRT DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
UTILITY PLAN & PROFILE
RANCHO CENTRO STA. 7+00.00 - 14+59.58

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

CITY PROJECT NO. 456997
ZONE MAP NO. C-12
SHEET 19 OF 22

USERNAME: CDP:[C96436A2400.PAD]
FILENAME: CENTRO4.GRF
BHI JOB NO. C96436A2440

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DATE: DECEMBER, 1996

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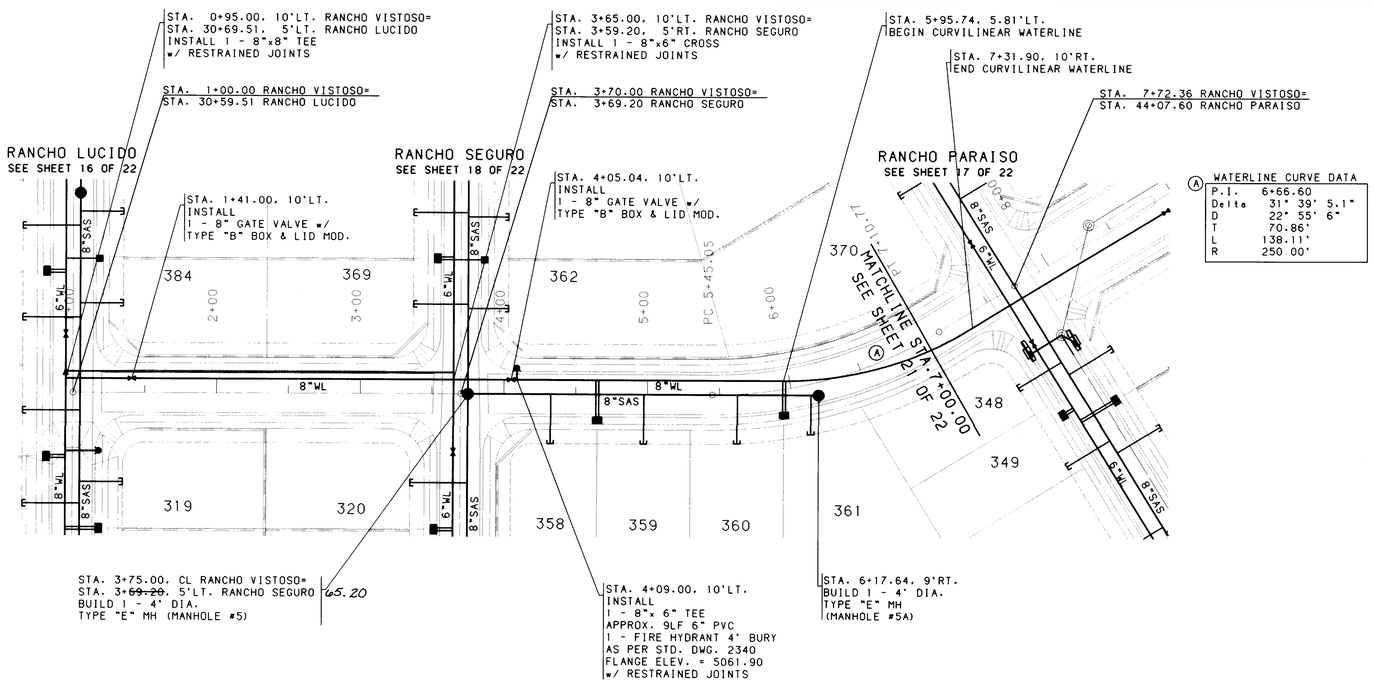
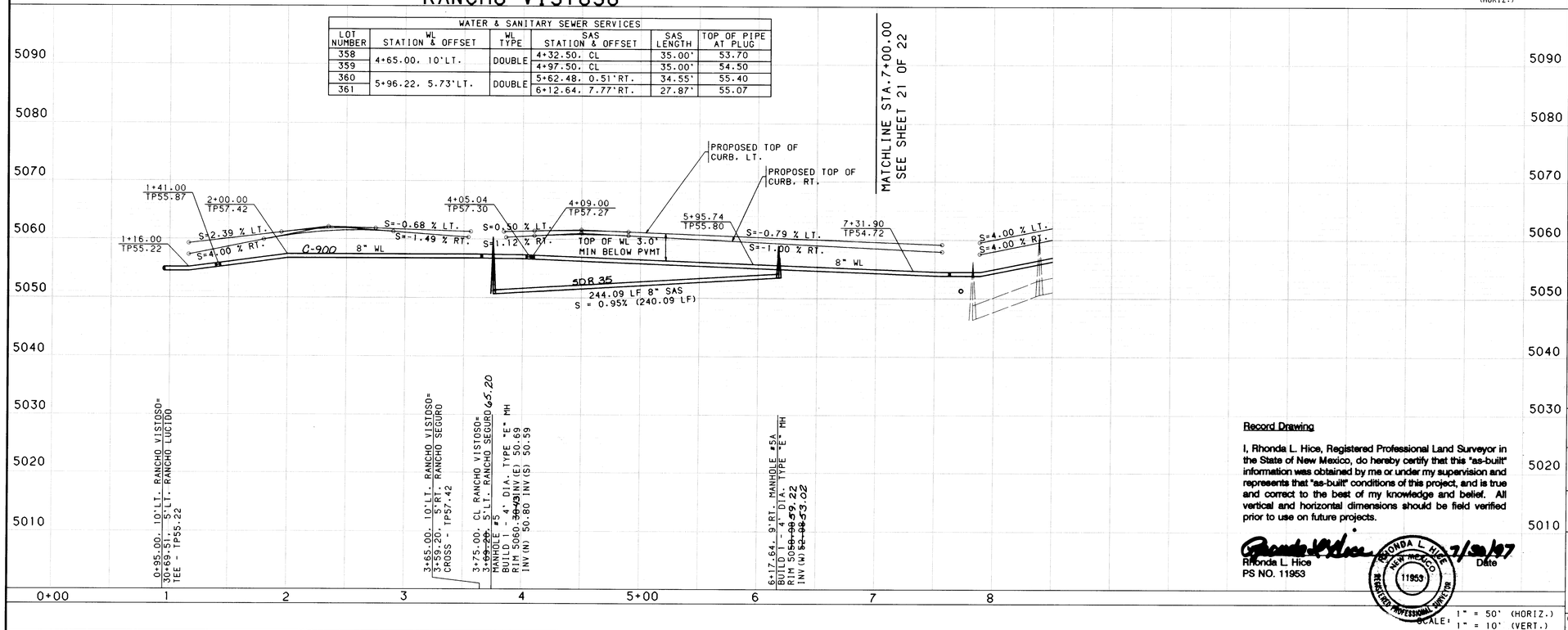


RANCHO VISTOSO

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
358	4+65.00, 10'LT.	DOUBLE	4+32.50, CL	35.00'	53.70
359			4+97.50, CL	35.00'	54.50
360	5+96.22, 5.73'LT.	DOUBLE	5+62.48, 0.51'RT.	34.55'	55.40
361			6+12.64, 7.77'RT.	27.87'	55.07



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NOTES

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STORM: RCP III

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2G-45669.97 2097

Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
PS NO. 11953

7/30/97
Date

RHONDA L. HICE NEW MEXICO 11953 REGISTERED PROFESSIONAL SURVEYOR

AS-BUILT INFORMATION
CONTRACTOR New Concepts, Inc.
WORK STAKED BY US
INSPECTOR'S ACCEPTANCE BY [illegible] DATE 6/97
FIELD VERIFICATION BY US DATE 9/97
DRAWINGS CORRECTED BY RH DATE 7/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. NO.

BENCH MARKS

NO.	DATE	STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV.= 5049.93

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER
12/30/96

NO.	DATE	REMARKS	BY	DATE
		REVISIONS		
		DESIGN		

DESIGNED BY	MSJ	DATE 11/96
DRAWN BY	BS, OR, SAR	DATE 11/96
CHECKED BY	JRT	DATE 11/96

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
UTILITY PLAN & PROFILE
RANCHO VISTOSO STA. 1+00.00 - 7+00.00

DESIGN REVIEW COMMITTEE
APPROVED
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

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

CITY PROJECT NO. 456997 | ZONE MAP NO. C-12 | SHEET 20 OF 22

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. C96436A2440

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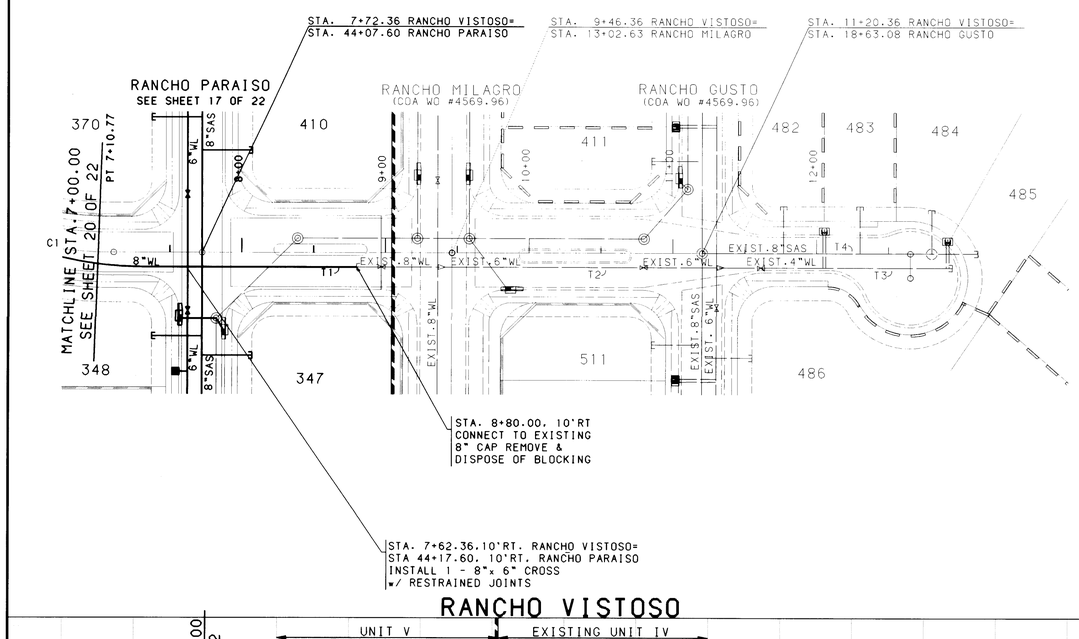
DATE: DECEMBER, 1997

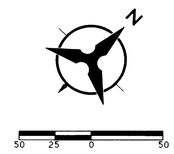
USERNAME: CDP:[C96436A2400.PAD]
FILENAME: VISTOS01.GRF

SCANNED BY LASON



WATERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S45°21'07"W	56.36'
T2	S45°21'07"W	194.00'
T3	S45°21'07"W	163.98'

SAS TANGENT DATA		
NUMBER	BEARING	DISTANCE
T4	S45°21'07"W	159.64'



NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

8. CONTRACTOR SHALL PROVIDE THE *INSPECTORS, (CITY AND PRIVATE) WITH* THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

13. THE FOLLOWING PERSONS SHALL BE NOTIFIED AT LEAST TWO BUSINESS DAYS PRIOR TO INSTALLING UTILITY CONDUIT CROSSINGS:

COMPANY	PHONE
PNM	848-3374
US WEST	245-6694
GAS CO.	761-7770
JONES	761-6200

14. FOR RESTRAINED JOINTS. SEE TABLE - SHEET 29 OF 38 (TYP).

15. FIRE HYDRANTS RESTRAINED FROM DISTRIBUTION LINE TO FLANGE (TYP).

16. MATERIALS FOR UTILITIES SHALL BE THE FOLLOWING:
WATER: - C900 PVC
SANITARY SEWER: - SDR35 PVC
STORM: - RCP III

17. ADJUST ALL EXISTING MH RIM ELEVATIONS AS NEEDED.

216- 4/8/97 - 9/7 2/1/97

AS-BUILT INFORMATION

CONTRACTOR New Concepts, Inc.
WORK STAKED BY US
INSPECTOR'S ACCEPTANCE BY Community Services DATE 6/97
FIELD VERIFICATION BY US DATE 6/97
DRAWINGS CORRECTED BY RH DATE 7/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. ELEV.= 5049.93

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448, GO NORTH ON STATE RD. 448, 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

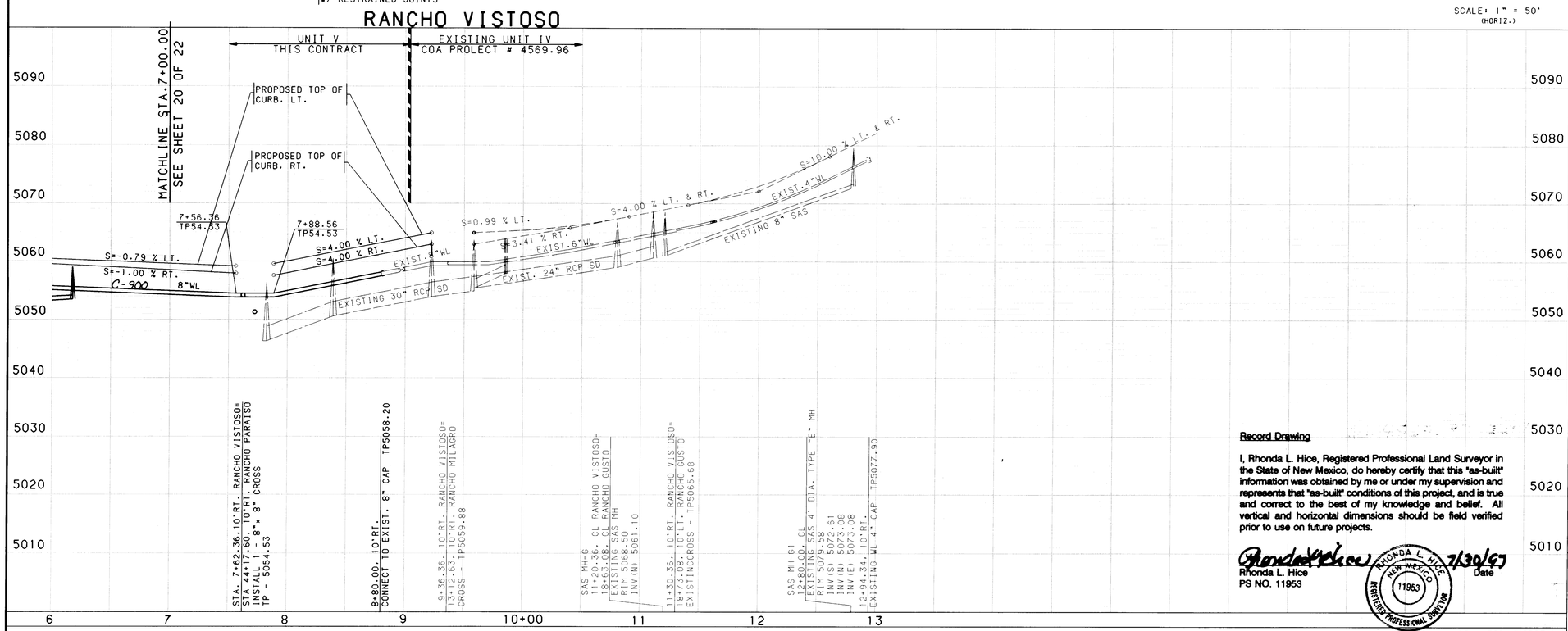
ENGINEER'S SEAL

JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER

12/22/96

NO.	DATE	REMARKS	BY	DATE
		REVISIONS		
		DESIGN		

DESIGNED BY MSJ DATE 11/96
DRAWN BY BS, OR, SAR DATE 11/96
CHECKED BY JRT DATE 11/96



Record Drawing

I, Rhonda L. Hice, Registered Professional Land Surveyor in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents that "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Rhonda L. Hice
PS NO. 11953

RHONDA L. HICE NEW MEXICO 11953 REGISTERED PROFESSIONAL SURVEYOR

7/30/97
Date

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
UTILITY PLAN & PROFILE
RANCHO VISTOSO STA. 7+00.00 - 12+95.76

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
456997	C-12	21	22

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FILENAME: VISTOS02.GRF

BHI JOB NO. C96436A2440

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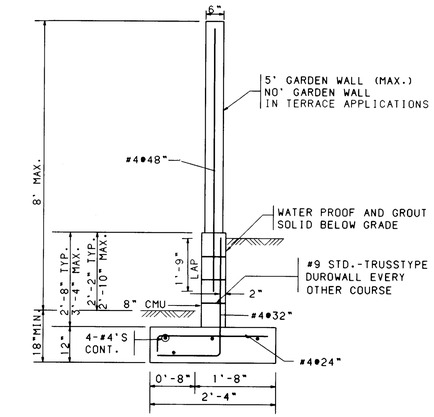
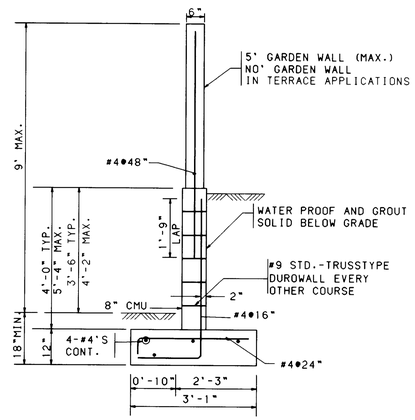
DATE: DECEMBER, 1997

CANNED BY BY LASON



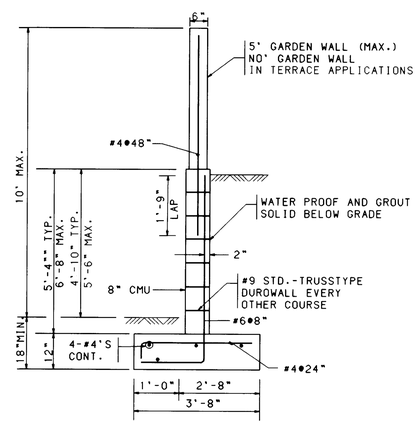
1 2-3' TERRACE/RETAINING WALL

NO SCALE



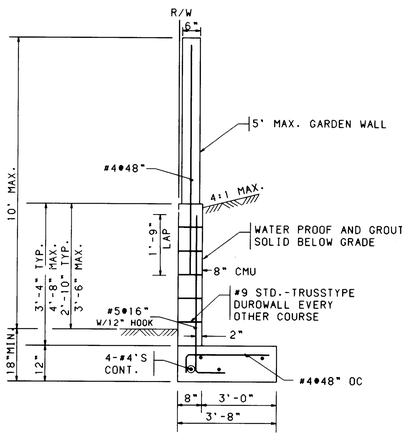
2 3-4' TERRACE/RETAINING WALL

NO SCALE



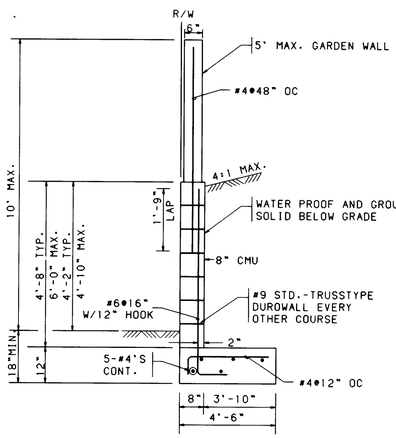
3 5' TERRACE/RETAINING WALL

NO SCALE



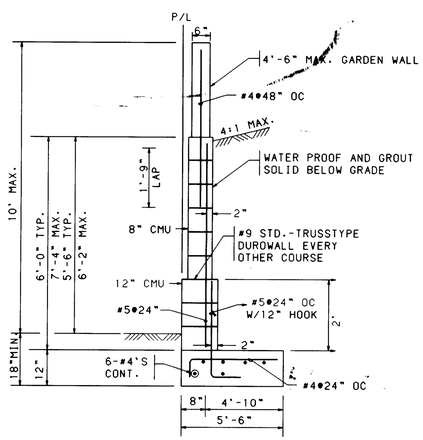
4 3-4' "L" RETAINING WALL

NO SCALE



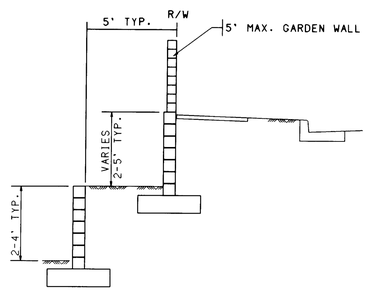
5 4-5' "L" RETAINING WALL

NO SCALE



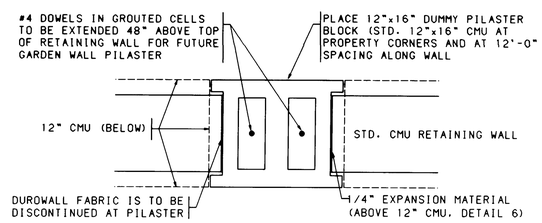
6 5-6' "L" RETAINING WALL

NO SCALE



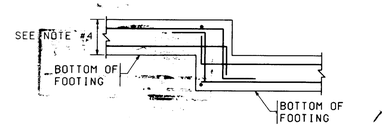
A TERRACE WALL CONDITIONS

NO SCALE



TYPICAL PILASTER DETAIL

NO SCALE



TYPICAL STEPPED FOOTING DETAIL

BARS AS PER RETAINING WALL DETAILS
NO SCALE

GENERAL NOTES (RETAINING WALL CONST.)

1. RETAINING WALL FOOTINGS SHOULD BE EMBEDDED A MINIMUM OF EIGHTEEN INCHES BELOW LOWEST ADJACENT GRADE. PRIOR TO PLACING FOOTINGS, THE EXPOSED SOILS SHOULD BE SCARIFIED TO A DEPTH OF EIGHT (8") INCHES. MOISTURE CONDITIONED TO A NEAR OPTIMUM (± 3%) MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.

2. RETAINING WALL SHALL NOT BE BACK-FILLED UNTIL AT LEAST 7 DAYS AFTER PLACING OF FINAL GROUT LEVEL. WHERE HEAVY EQUIPMENT IS USED IN BACKFILLING, SUCH EQUIPMENT SHOULD NOT APPROACH CLOSER TO THE TOP OF THE WALL THAN A DISTANCE EQUAL TO THE HEIGHT OF THE WALL. CARE SHOULD BE TAKEN TO AVOID EXERTING IMPACT FORCES ON THE WALL AS COULD BE CAUSED BY A LARGE MASS OF MOVING EARTH.

   SLOPES UP AWAY FROM WALLS SHOULD NOT EXCEED 4:1.

3. VERTICAL CONTROL JOINTS WITH PVC INSERTS SHALL BE PLACED AT INTERVALS NOT TO EXCEED 30'-0" ON CENTER. PILASTERS MAY BE SUBSTITUTED FOR CONTROL JOINTS WHEN PLACED AT 12'-0" INTERVALS. PILASTERS SHALL BE PLACED AT EVERY SIDE LOT LINE INTERSECTION. DISCONTINUE DUROWALL EACH SIDE OF PILASTERS.

4. MINIMUM LAP SPLICE ON REINFORCING BARS SHALL BE 30 BAR DIAMETERS OR 1'-4" MINIMUM. REINFORCEMENT OF A SIZE AND SPACING OTHER THAN THAT GIVEN IN THE TABLES MAY BE USED PROVIDING SUCH OTHER REINFORCEMENT FURNISHES AN AREA OF STEEL AREA AT LEAST EQUAL TO THAT GIVEN IN THE TABLE.

5. CONSTRUCTION OF RETAINING WALLS SHALL CONFORM TO REQUIREMENTS OF THE UNIFORM BUILDING CODE SECTION 24, LOWLIFT GROUTING METHOD.

6. OMISSION OF A VERTICAL MORTAR JOINT ON FIRST COURSE AT 48" O.C. SHALL BE USED FOR WEEP HOLES. WHITE SLUMP BLOCK WITH MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI MAY BE SUBSTITUTED FOR STANDARD CMU GRADE N.

7. DESIGN DATA
   BLOCK WEIGHT 12" = 130 PSF
   BLOCK WEIGHT 8" = 85 PSF
   SOIL WEIGHT = 110 PCF
   EQUIV. FLUID PRESSURE = 35 PCF
   SOIL BEARING PRESSURE = 1500 PCF
   (1/3 INCREASE FOR WIND/SEISMIC)
   COEFFICIENT OF FRICTION = 0.4
   PASSIVE SOIL PRESSURE = 300 PCF
   CONCRETE F'C (28 DAYS) = 4000 PSI
   GROUT STRENGTH = 2000 PSI
   CMU GRADE N = 1500 PSI (GROUTED)
   REINFORCEMENT = 60 ASTM A-615

8. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO CONCRETE FOOTING POUR FOR INSPECTION OF COMPACTION UNDER FOOTING, FOOTING DEPTH AND WIDTH AND WALL STEEL AND SPACING. FINAL INSPECTION OF FOOTING AND WALL WILL BE REQUIRED.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR CODE ADMINISTRATION APPROVAL AND FEES ASSOCIATED WITH IT.

10. ALL CELLS BELOW GRADE SHALL BE FULLY GROUTED.

11. THE CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT ALL REBAR IS PROPERLY ALIGNED AND TIFD IN PLACE BEFORE PLACING CONCRETE. ALL STEEL SHALL BE ACCURATELY LOCATED AND SECURED IN PLACE SO THAT IT REMAIN IN POSITION DURING THE PLACEMENT OF THE CONCRETE. ANY REBAR IMPROPERLY INSTALLED SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.

12. CMU SHALL NOT BE PLACED ON CONCRETE FOOTINGS UNTIL CONCRETE HAS CURED FOR A MINIMUM OF 7 DAYS.

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

BENCH MARKS

STATION MARK IS A STANDARD USC&GS BRASS TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND, TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND STATE RD. 448.	GO NORTH ON STATE RD. 448. 6.1 MILES. THE STATION IS 450' WEST OF STATE RD. 448 IN A FENCED-IN PRAIRIE. ELEV. = 5049.93

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEERS SEAL

JAMES R. TOPMILLER
NEW MEXICO
9354
REGISTERED PROFESSIONAL ENGINEER
12/20/96

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY	GAW	DATE 10/95
DRAWN BY	MSJ, SAR	DATE 11/96
CHECKED BY	GAW	DATE 11/96

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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

RANCHO SERENO SUBDIVISION - UNIT V
CMU RETAINING WALL DETAILS

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
456997	C-12	22	22

BHI JOB NO. 96436A2440

USERNAME: CDP:[C96436A2400.PAD]
FILENAME: WALLDTL-CMU.DWG

SCANNED BY GY LASON

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