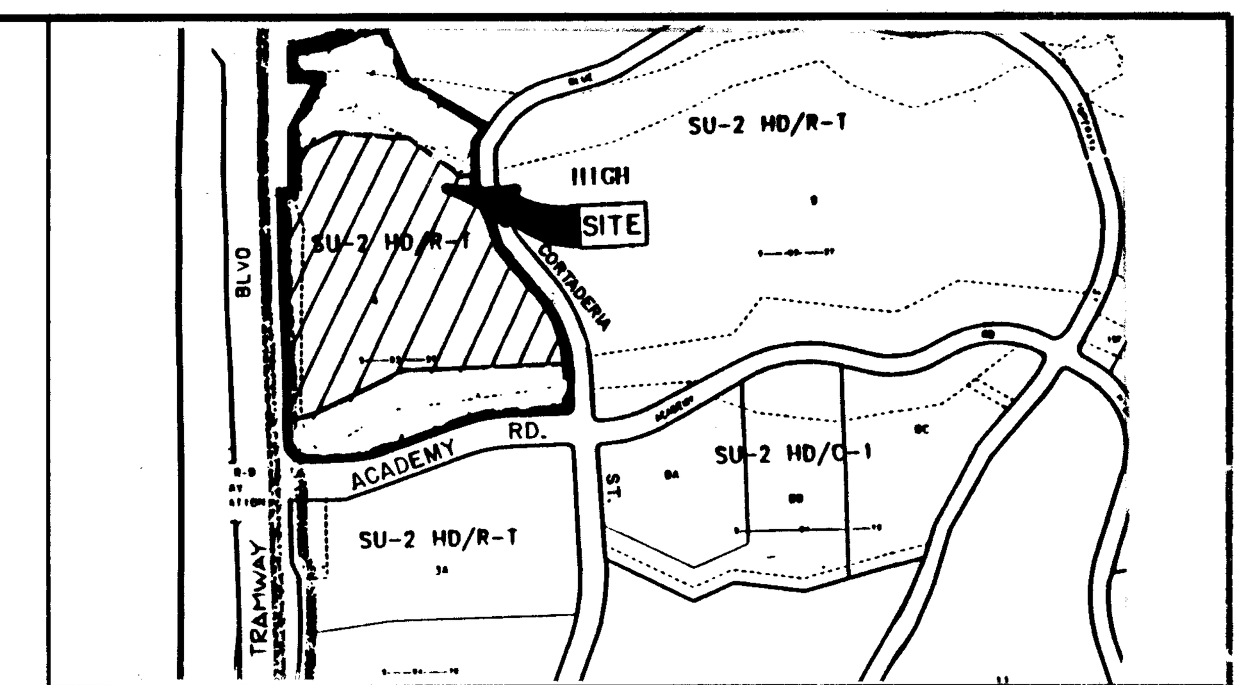
CONSTRUCTION PLANS

FOR

CHAMISA TRAIL AT HIGH DESERT SUBDIVISION

ALBUQUERQUE, NEW MEXICO



VICINITY MAP
NOT TO SCALE
E-23

INDEX

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. 5
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 WITH 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

- [x] 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.
- [x] IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- [x] ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- [x] 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.

26-5534.81-0197

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	17, 18	Billy J. Goolsby	11/1/96	RWK	11-1-96		
2	4, 7						
3	18 B						

APPROVALS	ENGINEER	DATE
DRC Chairman	Billy J. Goolsby	10-29-96
Transportation	[illegible]	9-20-96
Water/Wastewater	[illegible]	9.17.96
Hydrology	JPC	9-30-96
Parks		
Constr. Mngmt.		

ENGINEERS STAMP & APPROVAL — 9/8/96

APPROVED FOR CONSTRUCTION
City Engineer [signature] Date 11/1/96

JAMES P. WHITE — 3-25-97

RECORD DRAWING
DATE: 3-20-97

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Russell B. [illegible]
DATE 3-27-97

DRB #96-203

BHI JOB NO. C96221A2440

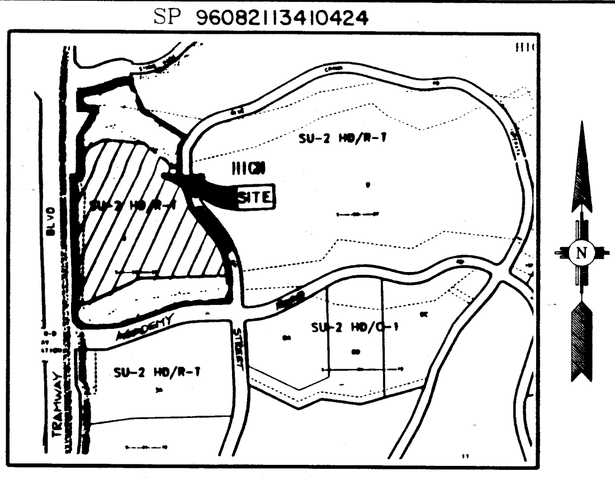
BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY PROJECT NO. 553481

SHEET 1 OF 18

USERNAME: CDP5:[C96221A2440.PAD]TITLE.GRF

SP 96082113410424



LOCATION MAP
ZONE ATLAS INDEX MAP No. E-23-Z
NOT TO SCALE

SUBDIVISION DATA

1. DRB No. 96-203
2. Zone Atlas Index No. E-23-Z.
3. Gross Subdivision Acreage: 19.4839 Acres.
4. Total Number of Lots/Tracts created: 82 Lots and 3 Tracts.
5. Total mileage of full width Streets created: 0.5565 mile.
6. Date of Survey: August, 1996
7. Plat is located within the Elena Gallegos Grant, within Projected Section 26, T11N, R4E, NMPM.

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone NAD27 Datum).
2. Distances are ground distances.
3. All easements of record are shown.
4. Centerline (in lieu of R/W monumentation) to be installed at all centerline PC's, PT's, angle points and street intersections prior to acceptance of subdivision improvements and will consist of a standard four-inch (4") alloy cap stamped "City of Albuquerque", "Centerline Monumentation", "Survey Marker", "Do Not Disturb", PLS# 6544.
5. Record Bearings and distances are shown in parenthesis ( ).

DISCLOSURE STATEMENT

The purpose of this Plat is to subdivide all of Tract 4B, PLAT OF TRACTS 4A, 4B, & 4C, HIGH DESERT, Albuquerque, New Mexico as the same are shown and designated on the plat thereof, filed for record in the office of the County Clerk of Bernalillo County, New Mexico on August 19, 1996 in Volume 96C, Folio 363 as Document No. 96091866 into Eighty-Two (82) Lots and Three (3) Tracts, to dedicate Street Right-of-Way to the City of Albuquerque, and to grant 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.

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 the Elena Gallegos Grant, in projected Section 26, Township 11 North, Range 4 East, New Mexico Principal Meridian, Bernalillo County, Albuquerque, New Mexico, said tract being and comprising all of Tract 4B, PLAT OF TRACTS 4A, 4B, & 4C, HIGH DESERT, Albuquerque, New Mexico 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 August 19, 1996 in Volume 96C, Folio 363 as Document No. 96091866 and being more particularly described by New Mexico State Plane grid bearings (Central Zone NAD 27 Datum) and ground distances as follows:

BEGINNING at the northwest corner of said Tract 4B, a point on the easterly right-of-way line of Tramway Boulevard, whence the City of Albuquerque Station "TUMBLE" a standard USCGS brass tablet set in concrete having New Mexico State Plane Coordinates, Central Zone X=425,465.55 and Y=1,513,470.01 bears N33°20'22"W, a distance of 1754.46 feet and from said point of beginning leaving said right-of-way line and running thence along the northerly boundary line of said Tract 4B,
N62°11'30"E, a distance of 204.35 feet to a point; thence,
S85°06'04"E, a distance of 287.57 feet to a point; thence,
S53°19'50"E, a distance of 257.88 feet to a point; thence,
N85°52'13"E, a distance of 78.43 feet to the northeast corner of said Tract 4B, a point on the westerly right-of-way line of Cortaderia Street N.E., thence running along the easterly boundary line of said Tract 4B and also along said right-of-way line,
S00°00'00"E, a distance of 55.97 feet to a point of curvature; thence,
260.87 feet along the arc of a curve to the left having a radius of 380.00 feet and a chord which bears S19°40'00"E, a distance of 255.78 feet to a point of tangency; thence,
S39°20'01"E, a distance of 226.37 feet to a point of curvature; thence,
291.83 feet along the arc of a curve to the right having a radius of 520.00 feet and a chord which bears S23°15'22"E, a distance of 288.01 feet to the southeast corner of said Tract 4B, thence leaving said right-of-way line and running thence along the southerly boundary line of said Tract 4B,
S88°40'26"W, a distance of 674.77 feet to a point; thence,
S64°34'13"W, a distance of 392.15 feet to a point; thence,
S76°24'30"W, a distance of 125.32 feet to the southwest corner of said Tract 4B, a point on a curve on the easterly right-of-way line of Tramway Bouleverd, thence running along the westerly boundary line of said Tract 4B and also along said right-of-way line,
53.04 feet along the arc of a curve to the right having a radius of 484.00 feet and a curve which bears N03°08'41"E, a distance of 53.02 feet to a point of reverse curvature; thence,
56.55 feet along the arc of a curve to the left having a radius of 516.00 feet and a chord which bears N03°08'41"E, a distance of 56.52 feet to a point of tangency; thence,
N00°00'18"E, a distance of 791.90 feet to a point; thence,
S89°58'35"E, a distance of 48.85 feet to a point; thence,
N00°00'08"E, a distance of 126.31 feet to the point and place of beginning.

Tract contains 19.4839 acres, more or less.

FREE CONSENT AND DEDICATION

The foregoing Plat of that certain tract of land situate within the Elena Gallegos Grant, in projected Section 26, Township 11 North, Range 4 East, New Mexico Principal Meridian, Bernalillo County, Albuquerque, New Mexico, being and comprising all of Tract 4B, PLAT OF TRACTS 4A, 4B, & 4C, HIGH DESERT, Albuquerque, New Mexico 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 August 19, 1996 in Volume 96C, Folio 363 as Document No. 96091866 now comprising Lots 1 through 82 inclusive and Tracts 4B-1, 4B-2, and 4B-3 PLAT OF CHIMISA TRAIL AT HIGH DESERT, Albuquerque, New Mexico is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate all streets and public right-of-ways shown hereon to the City of Albuquerque in Fee Simple with Warranty Covenants and do hereby grant: All access, Utility and Drainage Easements hereon including the right to construct, operate, inspect, and maintain facilities therein; and all Public Utility easements shown hereon for the common and joint use of Gas, Electical Power and Communication Services for buried distribution lines, conduits, pipes for underground Utilities where shown or indicated, and including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs. Said owner(s) and/or proprietor(s) do hereby consent to all of the foregoing and do hereby certify that this subdivision is with their free act and deed.

HIGH DESERT INVESTMENT CORPORATION

BY: _____
Douglas H. Collister, President

State of New Mexico)
SS
County of Bernalillo)

This instrument was acknowledged before me on 21 day of AUGUST, 1996 by Douglas H. Collister, President of High Desert Investment Corpoation.

My Commission Expires: 7/14/98 Notary Public

OFFICIAL SEAL
LAUDA A. MILES
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires 7-14-98

SHEET 1 OF 3

PLAT OF
CHAMISA TRAIL AT HIGH DESERT
ALBUQUERQUE, NEW MEXICO
AUGUST, 1996

APPROVALS

PLAT NUMBER _____

PLANNING DIRECTOR	DATE
CITY ENGINEER	DATE
A.M.A.F.C.A.	DATE 9-09-96
TRAFFIC ENGINEER	DATE 082796
CITY SURVEYOR	DATE
PROPERTY MANAGEMENT	DATE 9-1-96
UTILITY DEVELOPMENT DEPARTMENT	DATE 9-4-96
DESIGN AND DEVELOPMENT, CIP	DATE
U.S. WEST COMMUNICATIONS	DATE
PNM ELECTRIC SERVICES	DATE
PNM GAS SERVICES	DATE

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

PROPERTY OWNER OF RECORD: _____

BERNALILLO COUNTY TREASURER'S OFFICE DATE

FREE CONSENT AND DEDICATION CONTINUED

BY: _____
Scott Schlabor, President of Mesa Verde Development Corporation
Joint Venture Partner

BY: _____
Melvin A. Hardison, Vice President of Charter Building and Development Corporation
Joint Venture Partner

State of New Mexico)
SS
County of Bernalillo)

This instrument was acknowledged before me on 3rd day of September 1996 by Scott Schlabor, President of Mesa Verde Development Corporation and Melvin A. Hardison, Vice President of Charter Building and Development Corporation

My Commission Expires: 12-23-99 _____ Notary Public

SURVEYOR'S CERTIFICATION

I, A. Dwain Weaver, 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.

A. Dwain Weaver
New Mexico Professional Surveyor 6544
Date: August 20, 1996

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

A. DWAIN WEAVER NEW MEXICO 6544 REGISTERED PROFESSIONAL SURVEYOR

JOB NO. 96-221A-3212

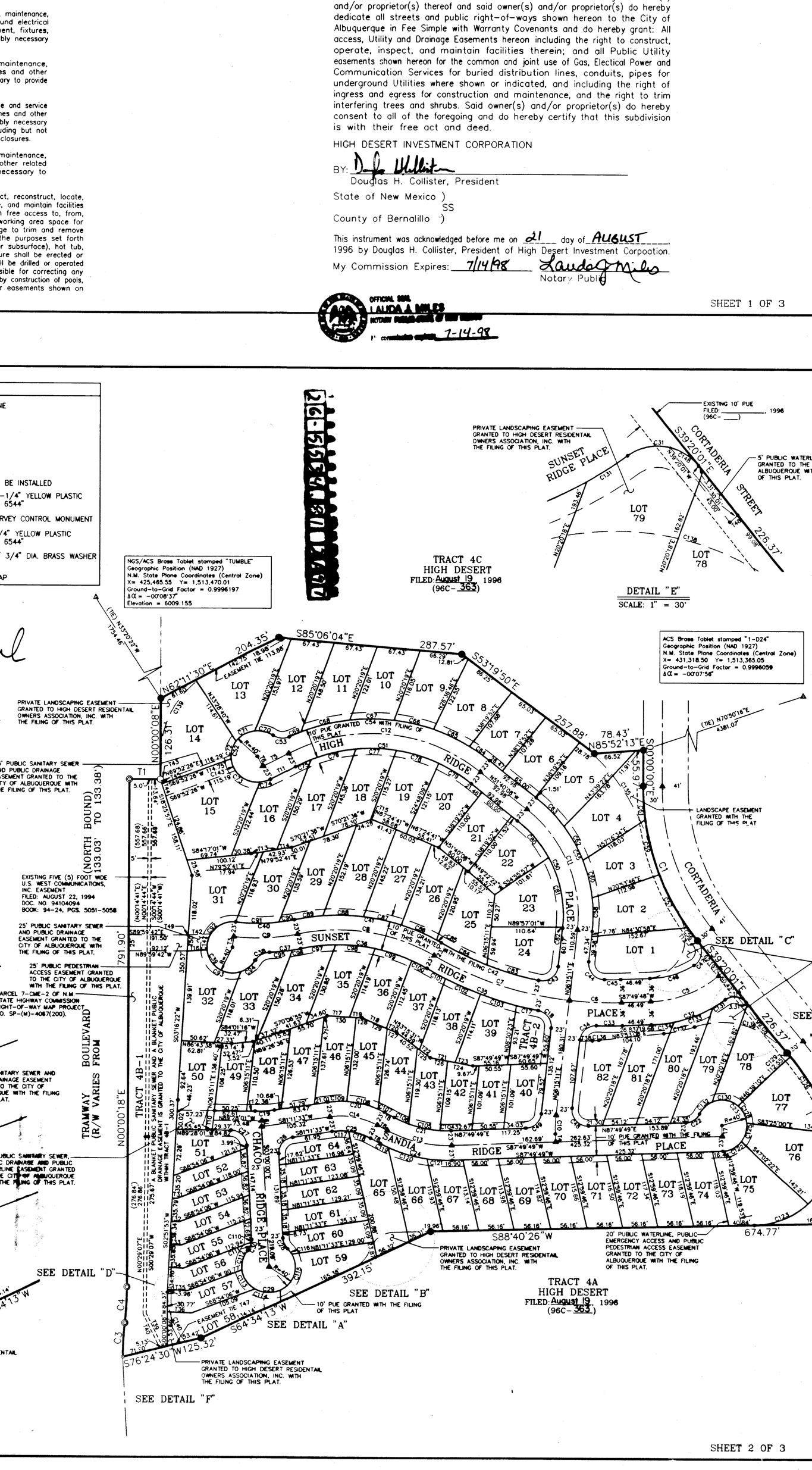
BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

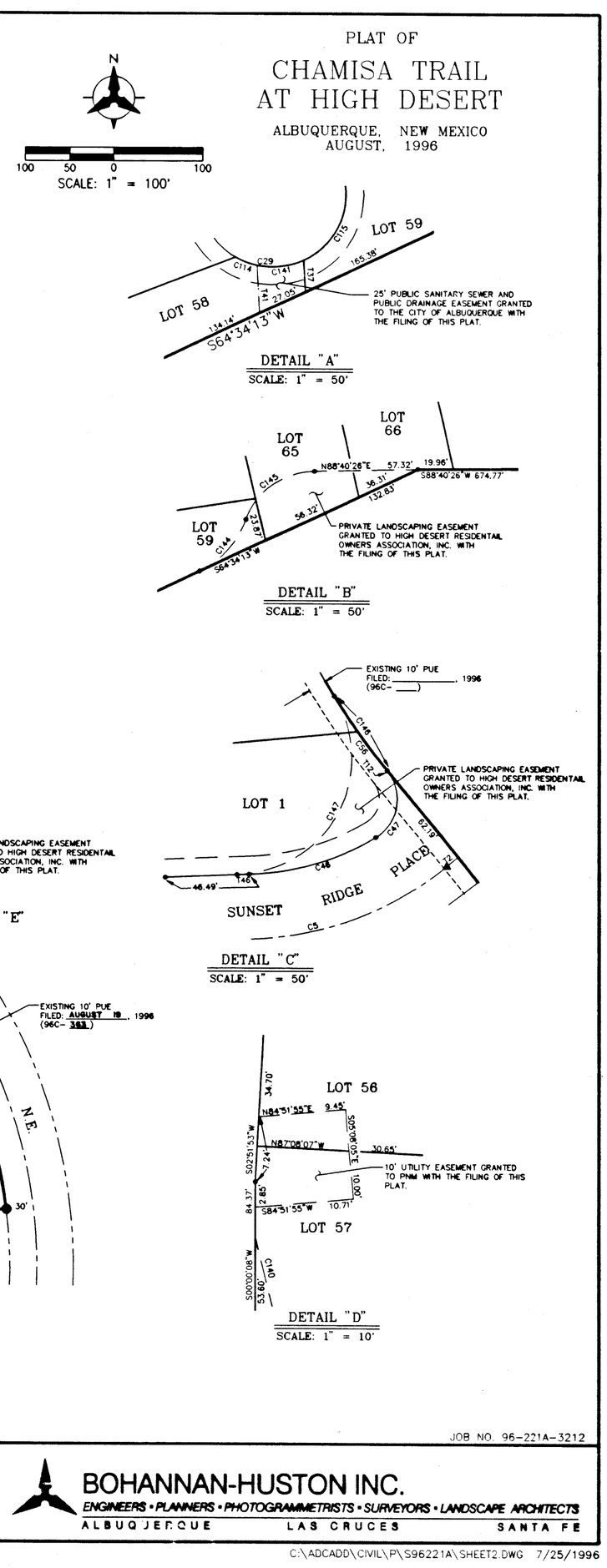
C:\ADCADD\CIVIL\P\S96221A\SHEET1.DWG 7/25/1996

RECORD DRAWING
DATE: 3-20-97

JAMES P. WHEELER NEW MEXICO 12801 REGISTERED PROFESSIONAL SURVEYOR
3-25-97

LEGEND	
———	SUBDIVISION BOUNDARY LINE
———	NEW LOT LINE
— — —	ADJOINING PROPERTY LINE
——— ———	MONUMENT TIE LINE
- - - - - -	EXISTING EASEMENT LINE
— — —	NEW EASEMENT LINE
▲	CENTERLINE MONUMENT TO BE INSTALLED
⊙	FOUND 5/8" REBAR W/ 1-1/4" YELLOW PLASTIC CAP STAMPED "WEAVER LS 6544"
▲	CITY OF ALBUQUERQUE SURVEY CONTROL MONUMENT
●	SET 5/8" REBAR W/ 1-1/4" YELLOW PLASTIC CAP STAMPED "WEAVER LS 6544"
•	FOUND CONCRETE NAIL W/ 3/4" DIA. BRASS WASHER STAMPED "PS 6544"
○	FOUND 5/8" REBAR NO CAP





JOB NO. 96-221A-3212

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

SHEET 2 OF 3

C:\ADCADD\CIVIL\P\S96221A\SHEET2.DWG 7/25/1996

SCANNED BY BY LASON A BLANKET PUBLIC SANITARY SEWER AND A BLANKET PUBLIC DRAINAGE EASEMENT IS GRANTED TO THE CITY OF ALBUQUERQUE WITHIN TRACT 4B-1

CPN 553481

2A OF 18

PLAT OF

CHAMISA TRAIL AT HIGH DESERT

ALBUQUERQUE, NEW MEXICO
AUGUST, 1996

CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING	DELTA
C1	380.00'	260.87'	135.81'	255.78'	S19°40'00"E	39°20'01"
C2	520.00'	291.83'	149.87'	288.01'	S23°15'22"E	32°09'17"
C3	484.00'	53.04'	26.55'	53.02'	N03°08'41"E	06°16'46"
C4	516.00'	56.55'	28.30'	56.52'	N03°08'41"E	06°16'46"
C5	180.00'	116.75'	60.51'	114.72'	S69°14'54"W	37°09'49"
C6	550.00'	82.04'	41.09'	81.96'	N87°53'49"W	08°32'46"
C7	550.00'	224.25'	113.71'	222.70'	N71°56'35"W	23°21'42"
C8	300.00'	221.15'	115.87'	216.18'	N81°22'49"W	42°14'11"
C9	283.00'	96.06'	48.50'	95.60'	S87°13'31"W	19°26'52"
C10	200.00'	29.40'	14.73'	29.38'	N02°02'30"E	08°25'23"
C11	210.00'	212.30'	116.22'	203.37'	N22°42'28"W	57°55'19"
C12	277.00'	319.76'	180.37'	302.30'	N84°44'19"W	66°08'22"
C13	200.00'	105.10'	53.79'	103.89'	N77°06'58"W	30°06'28"
C14	120.00'	76.96'	39.86'	75.65'	N80°26'05"W	36°44'43"
C15	520.00'	190.01'	96.07'	188.95'	S17°38'48"E	20°56'09"
C16	125.00'	254.79'	203.14'	212.92'	N30°16'47"E	116°47'19"
C17	573.00'	33.61'	16.81'	33.60'	S77°20'57"E	03°21'37"
C18	25.00'	37.21'	23.02'	33.87'	S36°23'17"E	85°16'57"
C19	171.00'	27.88'	13.97'	27.85'	N85°51'46"E	09°20'25"
C20	143.00'	91.71'	47.49'	90.15'	S80°26'05"E	36°44'43"
C21	177.00'	93.01'	47.61'	91.94'	S77°06'58"E	30°06'28"
C22	25.00'	26.84'	14.88'	25.57'	N57°04'21"E	61°30'55"
C23	40.00'	168.61'		68.75'	S32°55'39"E	241°30'55"
C24	223.00'	117.18'	59.98'	115.84'	N77°06'58"W	30°06'28"
C25	97.00'	62.21'	32.22'	61.15'	N80°26'05"W	36°44'43"
C26	25.00'	36.74'	22.59'	33.52'	S39°05'47"W	84°11'33"
C27	25.00'	37.73'	23.50'	34.25'	N46°14'01"W	86°28'01"
C28	25.00'	18.50'	9.70'	18.08'	S24°11'59"E	42°23'58"
C29	40.00'	184.86'		59.08'	S87°00'00"W	264°47'56"
C30	25.00'	18.50'	9.70'	18.08'	N18°11'59"E	42°23'58"
C31	25.00'	37.53'	23.32'	34.10'	N82°20'18"W	86°00'35"
C32	216.00'	125.06'	64.34'	123.32'	S71°14'36"W	33°10'24"
C33	586.00'	41.20'	20.61'	41.19'	S89°50'39"W	04°01'42"
C34	25.00'	37.35'	23.15'	33.97'	S49°03'21"W	85°36'19"
C35	573.00'	187.68'	94.69'	186.85'	N69°38'45"W	18°46'02"
C36	277.00'	204.19'	106.99'	199.60'	N81°22'49"W	42°14'11"
C37	306.00'	48.31'	24.21'	48.26'	S82°01'27"W	09°02'44"
C38	25.00'	24.63'	13.42'	23.64'	S58°19'34"W	56°26'32"
C39	40.00'	172.33'		66.77'	N26°28'23"W	246°50'40"
C40	260.00'	88.25'	44.55'	87.83'	N87°13'31"E	19°26'52"
C41	323.00'	238.10'	124.75'	232.75'	S81°22'49"E	42°14'11"
C42	527.00'	164.30'	82.82'	163.63'	S69°11'36"E	17°51'44"
C43	25.00'	41.72'	27.58'	37.05'	N54°03'51"E	95°37'20"
C44	25.00'	41.67'	27.52'	37.01'	S41°29'38"E	95°29'39"
C45	514.00'	26.27'	13.14'	26.27'	N89°17'40"E	02°55'44"
C46	144.00'	73.04'	37.32'	72.26'	N73°17'57"E	29°03'43"
C47	25.00'	42.80'	28.81'	37.76'	N09°43'02"E	98°06'06"
C48	25.00'	42.95'	28.97'	37.86'	S42°57'30"E	98°25'23"
C49	25.00'	35.59'	21.57'	32.66'	N47°02'30"E	81°34'37"
C50	187.00'	189.04'	103.49'	181.10'	N22°42'28"W	57°55'19"
C51	254.00'	293.21'	165.39'	277.19'	N84°44'19"W	66°08'22"
C52	40.00'	168.82'		68.64'	N03°05'55"E	241°48'50"
C53	25.00'	25.90'	14.25'	24.76'	S85°40'27"E	59°21'35"
C54	300.00'	333.46'	186.32'	316.55'	S83°30'41"E	63°41'07"
C55	233.00'	235.55'	128.95'	225.64'	S22°42'28"E	57°55'19"
C56	380.00'	25.82'	12.92'	25.82'	S37°23'12"E	03°53'37"
C57	380.00'	94.21'	47.35'	93.97'	S28°20'14"E	14°12'18"
C58	233.00'	52.73'	26.48'	52.61'	N00°13'47"W	12°57'56"
C59	380.00'	88.37'	44.38'	88.17'	S14°34'22"E	13°19'27"
C60	233.00'	60.49'	30.42'	60.32'	N14°09'01"W	14°52'33"
C61	380.00'	52.47'	26.27'	52.42'	S03°57'19"E	07°54'39"
C62	233.00'	60.47'	30.41'	60.30'	N29°01'25"W	14°52'14"
C63	233.00'	61.85'	31.11'	61.67'	N44°03'50"W	15°12'36"
C64	300.00'	38.64'	19.35'	38.61'	N55°21'31"W	07°22'47"
C65	300.00'	63.15'	31.69'	63.04'	N65°04'46"W	12°03'41"
C66	300.00'	63.46'	31.85'	63.34'	N77°10'11"W	12°07'10"
C67	300.00'	69.41'	34.86'	69.26'	N89°51'29"W	13°15'25"
C68	300.00'	78.97'	39.72'	78.75'	S75°58'20"W	15°04'58"
C69	300.00'	19.82'	9.91'	19.81'	S66°32'18"W	03°47'06"
C70	40.00'	27.60'	14.37'	27.06'	N75°45'39"W	39°31'59"
C71	40.00'	33.72'	17.94'	32.73'	S60°19'20"W	48°18'04"
C72	40.00'	28.89'	15.11'	28.26'	S15°28'59"W	41°22'38"
C73	40.00'	63.06'	40.23'	56.73'	S50°21'59"E	90°19'19"
C74	40.00'	15.55'	7.88'	15.46'	N73°19'56"E	22°16'51"
C75	254.00'	26.55'	13.29'	26.54'	N65°11'10"E	05°59'21"
C76	254.00'	72.59'	36.55'	72.35'	N76°22'06"E	16°22'31"
C77	254.00'	63.48'	31.91'	63.32'	S88°17'03"E	14°19'10"
C78	254.00'	69.79'	35.11'	69.57'	S73°15'13"E	15°44'31"
C79	254.00'	60.79'	30.54'	60.65'	S58°31'33"E	13°42'49"
C80	187.00'	75.04'	38.03'	74.53'	S40°10'24"E	22°59'27"
C81	187.00'	112.33'	57.92'	110.65'	S11°28'09"E	34°25'04"
C82	187.00'	1.68'	0.84'	1.68'	S05°59'47"W	00°30'48"
C83	527.00'	83.96'	42.07'	83.87'	N73°33'37"W	09°07'42"
C84	527.00'	80.33'	40.24'	80.26'	N64°37'45"W	08°44'02"
C85	323.00'	8.77'	4.39'	8.77'	N61°02'26"W	01°33'23"
C86	323.00'	60.14'	30.16'	60.06'	N67°09'11"W	10°40'08"
C87	323.00'	60.71'	30.45'	60.62'	N77°52'20"W	10°46'09"
C88	323.00'	63.65'	31.93'	63.55'	N88°54'09"W	11°17'28"
C89	323.00'	44.82'	22.45'	44.78'	S81°28'36"W	07°57'02"
C90	260.00'	24.05'	12.03'	24.04'	S80°09'04"W	05°17'57"
C91	260.00'	64.20'	32.27'	64.04'	S89°52'30"W	14°08'55"
C92	40.00'	72.04'	50.46'	62.69'	S45°21'16"W	103°11'21"
C93	40.00'	71.84'	50.20'	62.57'	S57°41'37"E	102°54'25"
C94	40.00'	28.45'	14.86'	27.85'	N50°28'44"E	40°44'53"
C95	306.00'	35.36'	17.70'	35.34'	N83°14'11"E	06°37'17"
C96	306.00'	12.95'	6.47'	12.95'	N78°42'49"E	02°25'27"
C97	277.00'	55.12'	27.65'	55.03'	N83°12'09"E	11°24'08"
C98	277.00'	62.25'	31.25'	62.12'	S84°39'31"E	12°52'31"
C99	277.00'	60.17'	30.20'	60.05'	S71°59'54"E	12°26'44"
C100	277.00'	26.65'	13.34'	26.64'	S63°01'08"E	05°30'48"
C101	573.00'	33.85'	16.93'	33.84'	S61°57'16"E	03°23'04"
C102	573.00'	60.11'	30.08'	60.08'	S66°39'07"E	06°00'38"
C103	573.00'	60.12'	30.09'	60.10'	S72°39'47"E	06°00'43"
C104	177.00'	17.77'	8.89'	17.76'	N89°17'37"W	05°45'10"
C105	177.00'	50.40'	25.37'	50.23'	N78°15'35"W	16°18'53"
C106	177.00'	24.84'	12.44'	24.82'	N66°04'56"W	08°02'25"
C107	143.00'	10.91'	5.46'	10.91'	N64°14'52"W	04°22'18"
C108	143.00'	50.66'	25.60'	50.39'	N76°34'56"W	20°17'50"
C109	143.00'	30.14'	15.13'	30.09'	S87°13'51"W	12°04'36"
C110	25.00'	4.28'	2.14'	4.27'	S01°54'09"W	09°48'19"
C111	25.00'	14.22'	7.31'	14.03'	S23°06'08"W	32°35'39"
C112	40.00'	32.26'	17.07'	31.39'	S16°17'41"W	46°12'33"
C113	40.00'	37.14'	20.03'	35.82'	S33°24'45"E	53°12'20"
C114	40.00'	38.69'	21.01'	37.20'	S87°43'21"E	55°24'51"
C115	40.00'	66.85'	44.23'	59.34'	N17°06'00"E	95°45'04"
C116	40.00'	10.21'	5.13'	10.18'	N38°05'15"W	14°37'27"
C117	97.00'	25.99'	13.07'	25.91'	N88°52'05"E	15°21'03"
C118	97.00'	36.22'	18.32'	36.01'	S72°45'34"E	21°23'40"
C119	223.00'	13.96'	6.98'	13.96'	S63°51'19"E	03°35'11"
C120	223.00'	63.23'	31.83'	63.02'	S73°46'18"E	16°14'48"
C121	223.00'	39.99'	20.05'	39.94'	S87°01'57"E	10°16'29"
C122	40.00'	34.65'	18.50'	33.58'	N63°00'54"E	49°37'49"
C123	125.00'	91.55'	47.94'	89.51'	S67°41'35"W	41°57'42"
C124	125.00'	121.32'	65.92'	116.61'	S18°54'29"W	55°36'29"
C125	40.00'	30.75'	16.18'	30.00'	N16°10'32"E	44°02'55"
C126	520.00'	95.46'	47.86'	95.33'	S33°22'25"E	10°31'05"
C127	125.00'	41.93'	21.16'	41.73'	S18°30'19"E	19°13'07"
C128	40.00'	30.75'	16.18'	30.00'	N27°52'23"W	44°02'55"
C129	520.00'	6.36'	3.18'	6.36'	S38°58'59"E	00°42'03"
C130	40.00'	44.22'	24.67'	42.00'	N81°33'51"W	63°20'02"
C131	216.00'	22.87'	11.45'	22.86'	N57°41'26"E	06°04'04"
C132	40.00'	28.24'	14.74'	27.66'	S46°32'31"W	40°27'15"
C133	216.00'	66.33'	33.43'	66.07'	N69°31'17"E	17°35'38"
C134	216.00'	35.86'	17.97'	35.82'	N83°04'27"E	09°30'42"
C135	343.00'	222.38'	115.26'	218.51'	S34°45'24"E	37°08'52"
C136	150.00'	10.33'	5.17'	10.32'	N85°51'28"E	03°56'40"
C137	218.00'	49.05'	24.63'	48.94'	N77°26'26"E	12°53'25"
C138	135.00'	178.20'	104.78'	165.54'	S71°11'21"E	75°37'53"
C139	150.00'	162.81'	90.47'	154.94'	N31°05'49"E	62°11'22"
C140	124.29'	86.75'	45.23'	85.00'	S19°12'01"E	39°59'24"
C141	40.00'	20.94'	10.72'	20.71'	N79°34'13"E	30°00'00"
C142	40.00'	26.43'	13.71'	25.95'	S12°41'08"W	37°51'04"
C143	40.00'	25.50'	13.20'	25.07'	S15°54'00"E	36°31'22"
C144	50.00'	39.69'	20.96'	38.66'	N41°49'47"E	45°28'53"
C145	40.00'	48.58'	27.79'	45.65'	N53°52'53"E	69°35'06"
C146	380.00'	49.24'	24.66'	49.21'	S35°37'16"E	07°25'30"
C147	65.00'	135.84'	111.99'	112.43'	N27°57'39"E	119°44'19"
C148	25.00'	16.09'	8.33'	15.81'	S57°46'07"E	36°52'12"

LOT/TRACT ACREAGE

LOT/TRACT	ACREAGE
1	0.2711 AC.
2	0.2195 AC.
3	0.1862 AC.
4	0.2519 AC.
5	0.1998 AC.
6	0.1615 AC.
7	0.1594 AC.
8	0.1938 AC.
9	0.1915 AC.
10	0.1755 AC.
11	0.1987 AC.
12	0.2336 AC.
13	0.2587 AC.
14	0.2919 AC.
15	0.3494 AC.
16	0.1873 AC.
17	0.2088 AC.
18	0.1814 AC.
19	0.1769 AC.
20	0.1836 AC.
21	0.1515 AC.
22	0.1758 AC.
23	0.1960 AC.
24	0.1890 AC.
25	0.1946 AC.
26	0.1764 AC.
27	0.1911 AC.
28	0.2111 AC.
29	0.1975 AC.
30	0.1734 AC.
31	0.2501 AC.
32	0.2001 AC.
33	0.1987 AC.
34	0.1952 AC.
35	0.1650 AC.
36	0.1545 AC.
37	0.1568 AC.
38	0.1636 AC.
39	0.1704 AC.
40	0.1255 AC.
41	0.1160 AC.
42	0.1201 AC.
43	0.1288 AC.
44	0.1435 AC.
45	0.1483 AC.
46	0.1546 AC.
47	0.1516 AC.
48	0.1372 AC.
49	0.1229 AC.
50	0.1869 AC.
51	0.1236 AC.
52	0.0990 AC.
53	0.1020 AC.
54	0.1052 AC.
55	0.1081 AC.
56	0.1011 AC.
57	0.1034 AC.
58	0.1558 AC.
59	0.1413 AC.
60	0.1084 AC.
61	0.1063 AC.
62	0.1014 AC.
63	0.0964 AC.
64	0.1011 AC.
65	0.2249 AC.
66	0.1626 AC.
67	0.1434 AC.
68	0.1434 AC.
69	0.1444 AC.
70	0.1455 AC.
71	0.1466 AC.
72	0.1476 AC.
73	0.1487 AC.
74	0.1498 AC.
75	0.2677 AC.
76	0.2442 AC.
77	0.2231 AC.
78	0.2088 AC.
79	0.2261 AC.
80	0.2066 AC.
81	0.1934 AC.
82	0.2471 AC.
4B-1	1.6023 AC.
4B-2	0.1117 AC.
4B-3	0.1624 AC.

TANGENT DATA

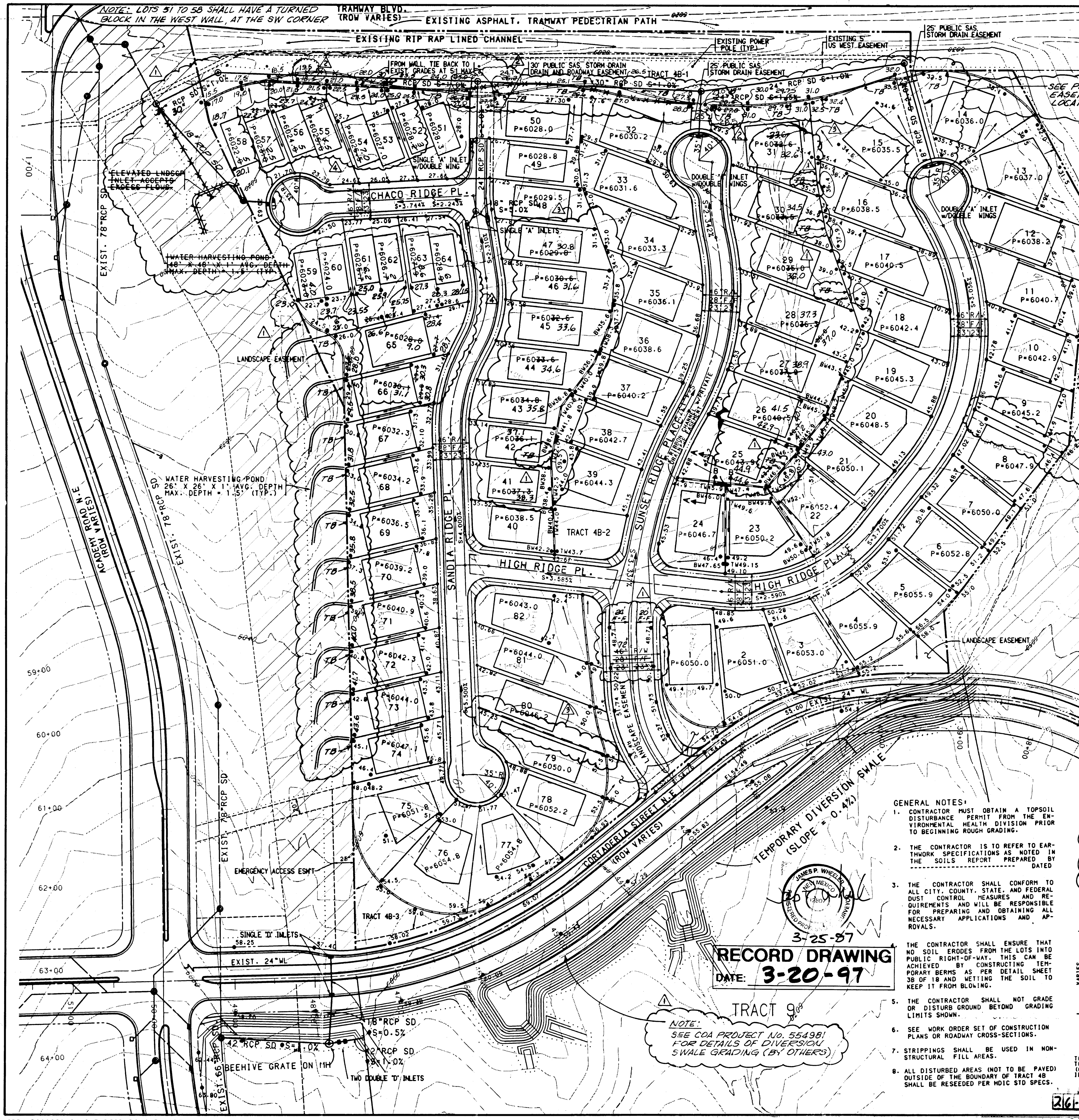
TANGENT	BEARING	DISTANCE
T1	S89°58'35"E	48.85'
T2	S50°39'59"W	8.23'
T3	S06°56'57"W	17.00'
T4	N02°10'11"W	12.44'
T5	S62°11'30"W	43.38'
T6	N27°48'30"W	17.00'
T7	S02°10'11"E	17.00'
T8	N62°03'44"W	17.29'
T9	N03°00'00"E	8.99'
T10	N06°15'11"E	30.15'
T11	S62°11'30"W	43.38'
T12	S39°20'01"E	1.38'
T13	S79°52'41"W	37.94'
T14	S79°52'41"W	22.93'
T15	S70°21'36"W	1.78'
T16	S87°09'26"W	30.73'
T17	N86°51'24"W	35.16'
T18	N67°19'26"W	41.08'
T19	N86°51'24"W	19.84'
T20	N67°19'26"W	17.23'
T21	N79°32'49"W	40.13'
T22	N53°15'31"W	21.34'
T23	N79°32'49"W	28.60'
T24	S79°32'49"E	40.55'
T25	S53°15'31"E	25.41'
T26	S79°32'49"E	28.18'
T27	S67°19'26"E	15.73'
T28	S86°51'24"E	9.17'
T29	S67°19'26"E	42.59'
T30	S86°51'24"E	45.83'
T31	N87°08'07"W	6.97'
T32	N87°08'07"W	12.62'
T33	N87°08'07"W	17.03'
T34	N87°08'07"W	22.54'
T35	N87°08'07"W	30.65'
T36	N87°08'07"W	37.23'
T37	S03°00'00"E	17.84'
T38	N87°49'48"E	19.66'
T39	S26°33'52"E	58.93'
T40	N26°33'52"W	58.98'
T41	N03°00'00"W	26.51'
T42	N87°09'26"E	34.99'
T43	N18°25'57"W	7.67'
T44	N18°25'57"W	27.68'
T45	S18°25'57"E	2.67'
T46	S87°49'48"W	6.67'
T47	S76°24'30"W	28.90'
T48	S50°39'59"W	5.00'
T49	N87°09'26"E	2.06'
T50	S03°16'22"W	25.14'

JOB NO. 96-221A-3212

SHEET 3 OF 3

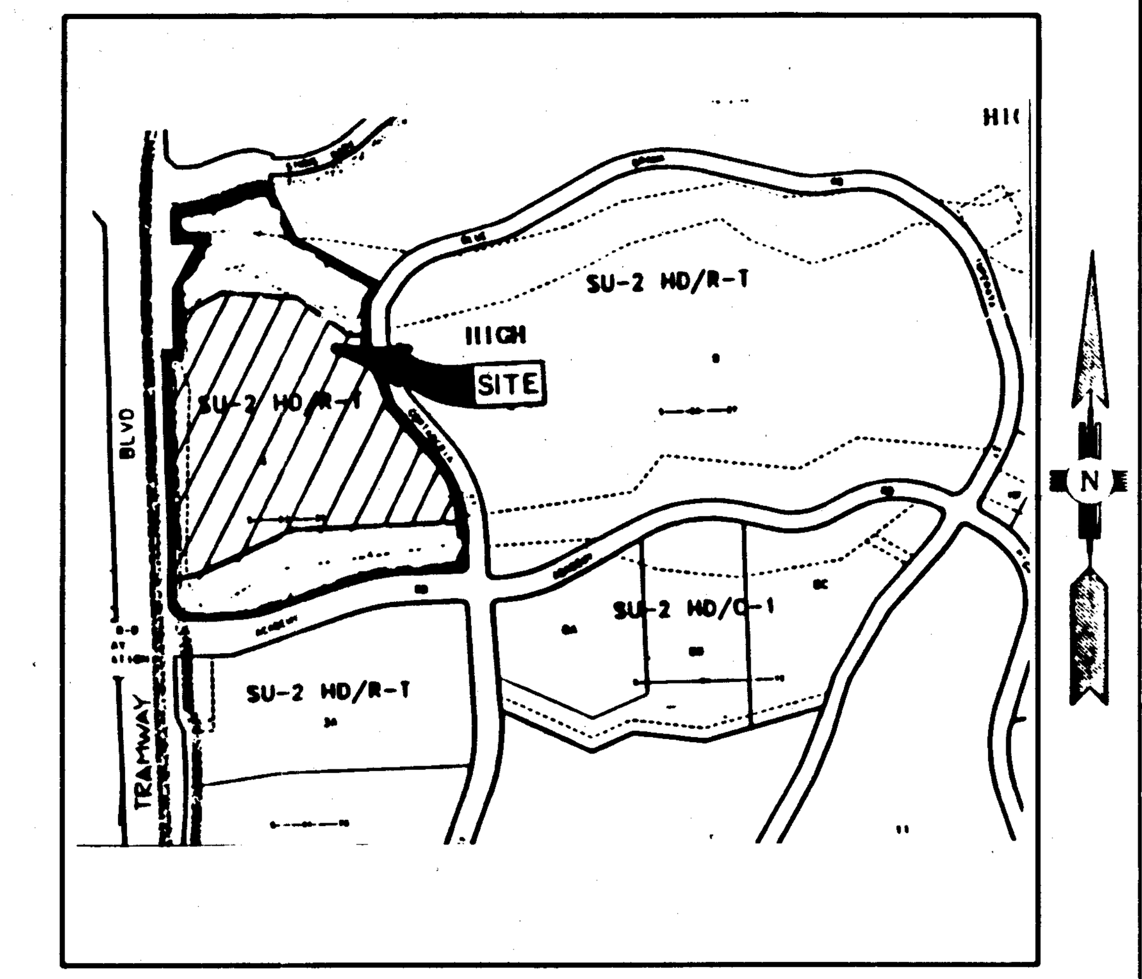
BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

C:\ADCADD\CIVIL\P\S96221A\SHEET3.DWG 7/25/1996



RECORD DRAWING
DATE: 3-20-97

LOCATION MAP



ZONE ATLAS MAP NO. E-23
NO SCALE

SCALE: 1" = 60'

Note: All roofs shall drain to the R/W except the lots noted below: Lots 65-75, 14, 15, 31, 32 & 50.

LEGEND

- PROJECT BOUNDARY
- EXISTING CONTOUR (2' INTERVAL)
- EXISTING INDEX CONTOUR (2' INTERVAL)
- PROPOSED CONTOUR (1' INTERVAL)
- PROPOSED INDEX CONTOUR (1' INTERVAL)
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- PRIVACY BLOCK WALL (BY OTHERS)
- PROPOSED RETAINING WALL
- EXISTING STORM DRAIN LINE
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN INLET
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET
- BACKYARD POND SYMBOL
- GRADING LIMITS
- PROPOSED STD. CURB AND GUTTER
- PROP. MOUNTABLE CURB ROLL TYPE
- TURNED BLOCK — TB

NOTE: SEE SHEET 4 OF 18 FOR SECTIONS "A-A" & "B-B"

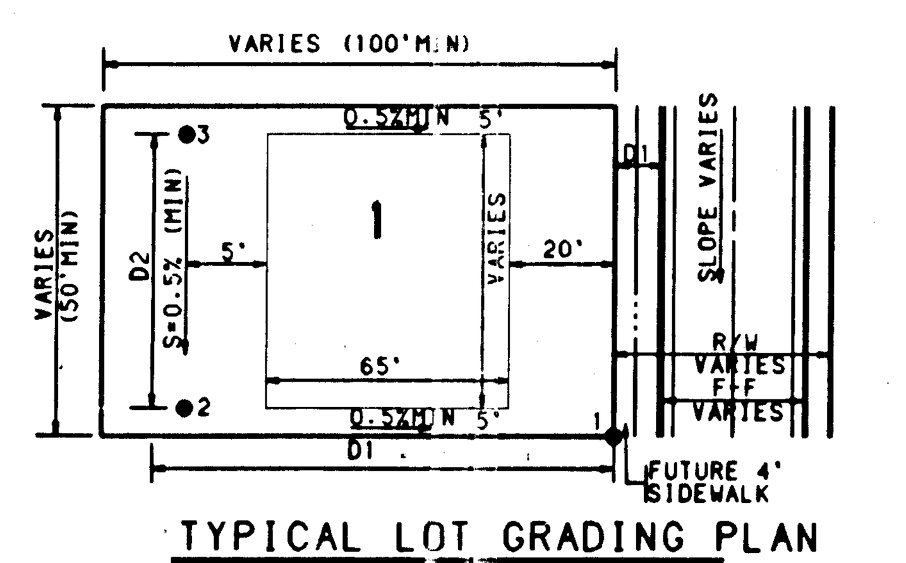
BACKYARD POND DATA

LOT #	REQ'D AREA	BOTTOM ELEV.	DEPTH
16	440	36.4	0.5
17	540	37.9	0.5
18	540	40.0	0.5
22	344	48.8	0.5
39	360	41.5	0.5

NOTE: ALL OF THE DIMENSIONS SHOWN IN THE TABLE ABOVE ARE IN FEET. REQ'D AREA SHOWN IS AT THE BOTTOM OF THE POND. REQ'D AREA AND DEPTH SHOWN ARE MINIMUMS. POND BOTTOM SHALL BE FLAT AND SIDE SLOPES SHALL BE 3:1 MAX.

GENERAL NOTES:

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO BEGINNING ROUGH GRADING.
2. THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATIONS AS NOTED IN THE SOILS REPORT PREPARED BY ------------------------ DATED
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL SHEET 3B OF 18 AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE CONTRACTOR SHALL NOT GRADE OR DISTURB GROUND BEYOND GRADING LIMITS SHOWN.
6. SEE WORK ORDER SET OF CONSTRUCTION PLANS OR ROADWAY CROSS-SECTIONS.
7. STRIPPINGS SHALL BE USED IN NON-STRUCTURAL FILL AREAS.
8. ALL DISTURBED AREAS (NOT TO BE PAVED) OUTSIDE OF THE BOUNDARY OF TRACT 4B SHALL BE RESEEDED PER HDIC STD SPECS.



TYPICAL LOT GRADING PLAN

NO SCALE

TO SET SPOT 3 - SUBTRACT 0.3' FROM PAD ELEV.
TO SET SPOT 2 - MULTIPLY D2 BY 0.5% AND SUBTRACT FROM SPOT 3 (CHECK SLOPE FROM SPOT 2 TO SPOT 1 TO BE MIN 0.5%)
IF THIS CHECK FAILS NOTIFY ENGINEER IMMEDIATELY

CURRENT LEGAL DESCRIPTION
TRACT 4, HIGH DESERT

PROPOSED LEGAL DESCRIPTION
TRACT 4B, HIGH DESERT

APPROVED FOR ROUGH GRADING (± 1')
8-20-96
HYDROLOGY ENGINEER — DATE

NO.	DATE	REMARKS
3	10-3-96	RAISE PADS 25, 31 AND 41, 47 BY 1.0'; ADD RET. WALL BETWEEN LOTS 47 & 48
4	11-20-96	REVISE PAD GRADES
2	9-25-96	REVISED SPOT ELEVATION (LIB)
1	9-5-96	REVISED DRAINAGE AND PRIVACY WALL CRITERIA

DESIGNED BY KGP/BJS — DATE 7/96
DRAWN BY BS, JAO — DATE 7/96
CHECKED BY JRT — DATE 7/96

AS-BUILT INFORMATION
CONTRACTOR CCM, Inc.
WORK STAKED BY BHI — DATE 3/97
INSPECTOR'S ACCEPTANCE BY BHI — DATE 3/97
FIELD VERIFICATION BY BHI — DATE 3/97
DRAWINGS CORRECTED BY BHI

MICRO-FILM INFORMATION

BENCH MARKS
STATION IS A STANDARD UCC & GS BRASS GEOLOGICAL SURVEY BENCH MARK, TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV. =6009.155

SURVEY INFORMATION
FIELD NOTES

ENGINEER'S SEAL

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

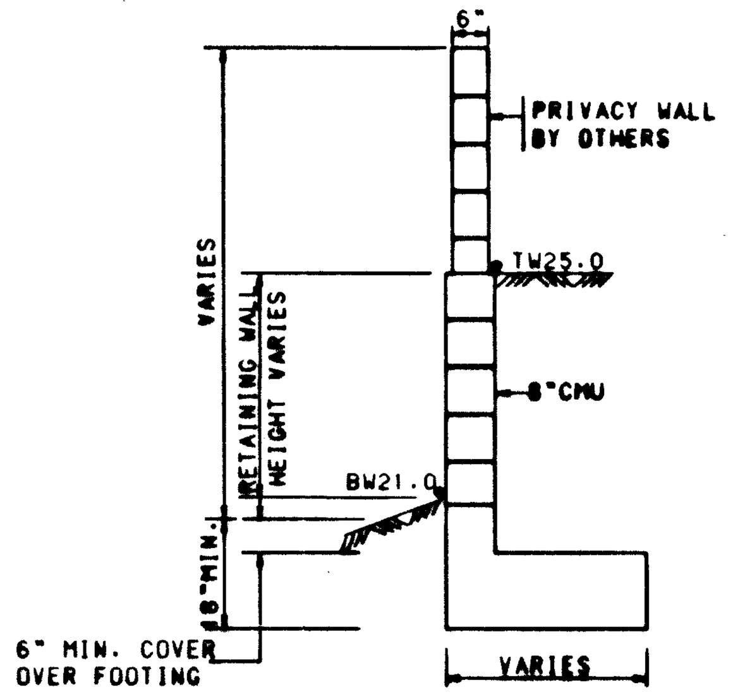
CHAMISA ~~RIDGE~~ TRAIL - TRACT 4B
PRELIMINARY GRADING PLAN

DESIGN REVIEW COMMITTEE: APPROVED BY 8-20-96
CITY ENGINEER APPROVAL: DRB (DRB # 96-203)
LAST DESIGN UPDATE — MO./DAY/YR. — MO./DAY/YR.

CITY PROJECT NO. 55[illegible]81 — ZONE MAP NO. E-23 — SHEET 3 OF 18

26-5534.81 0397

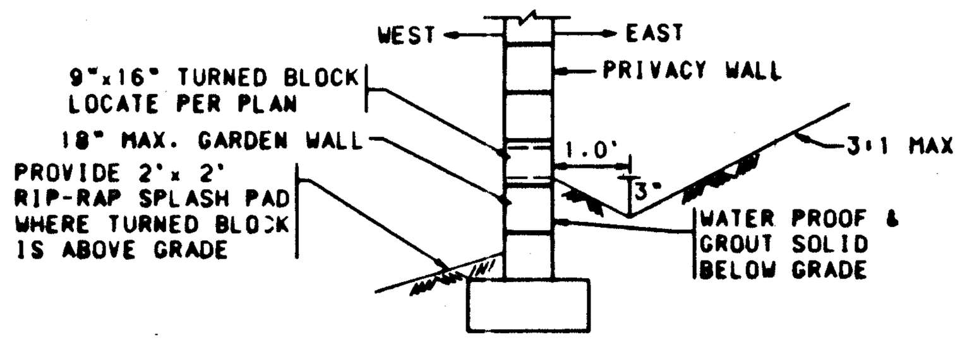
BHI JOB NO. 95228A2440



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

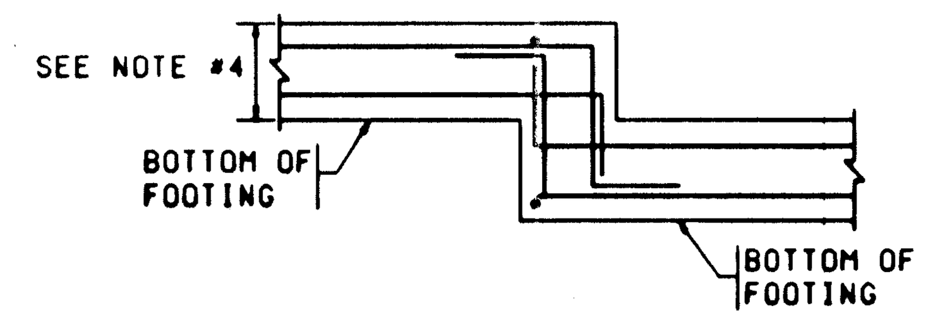
TYPICAL RETAINING WALL NOMENCLATURE

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



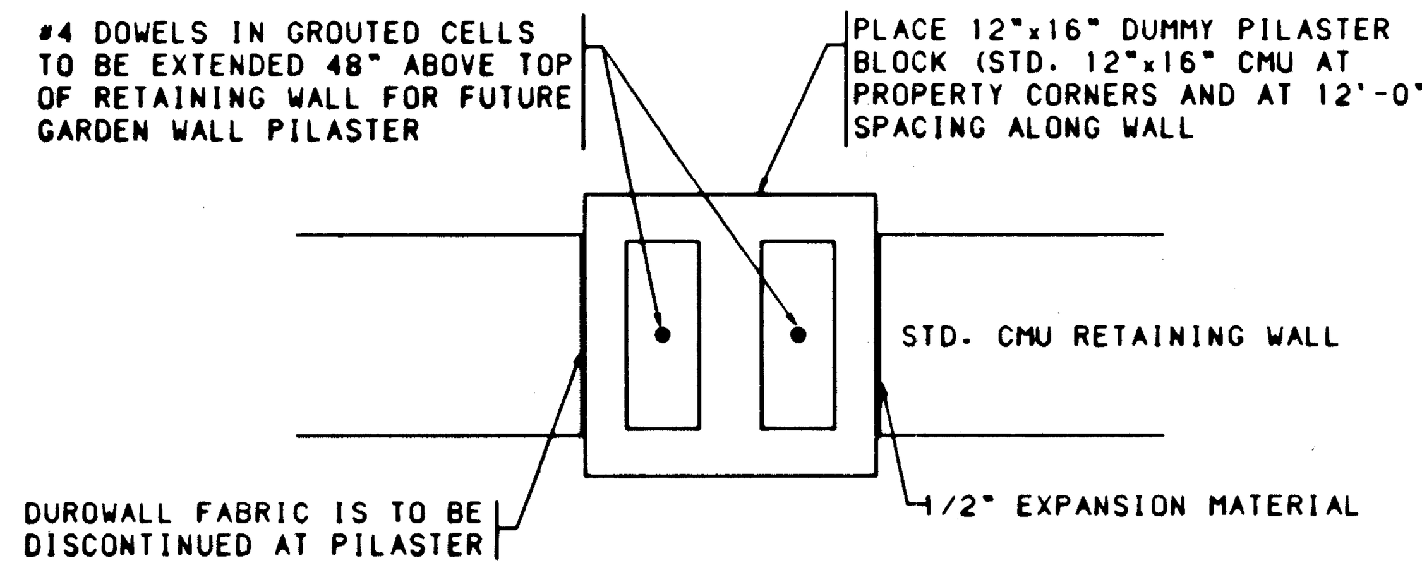
TURNED BLOCK DETAIL

NO SCALE



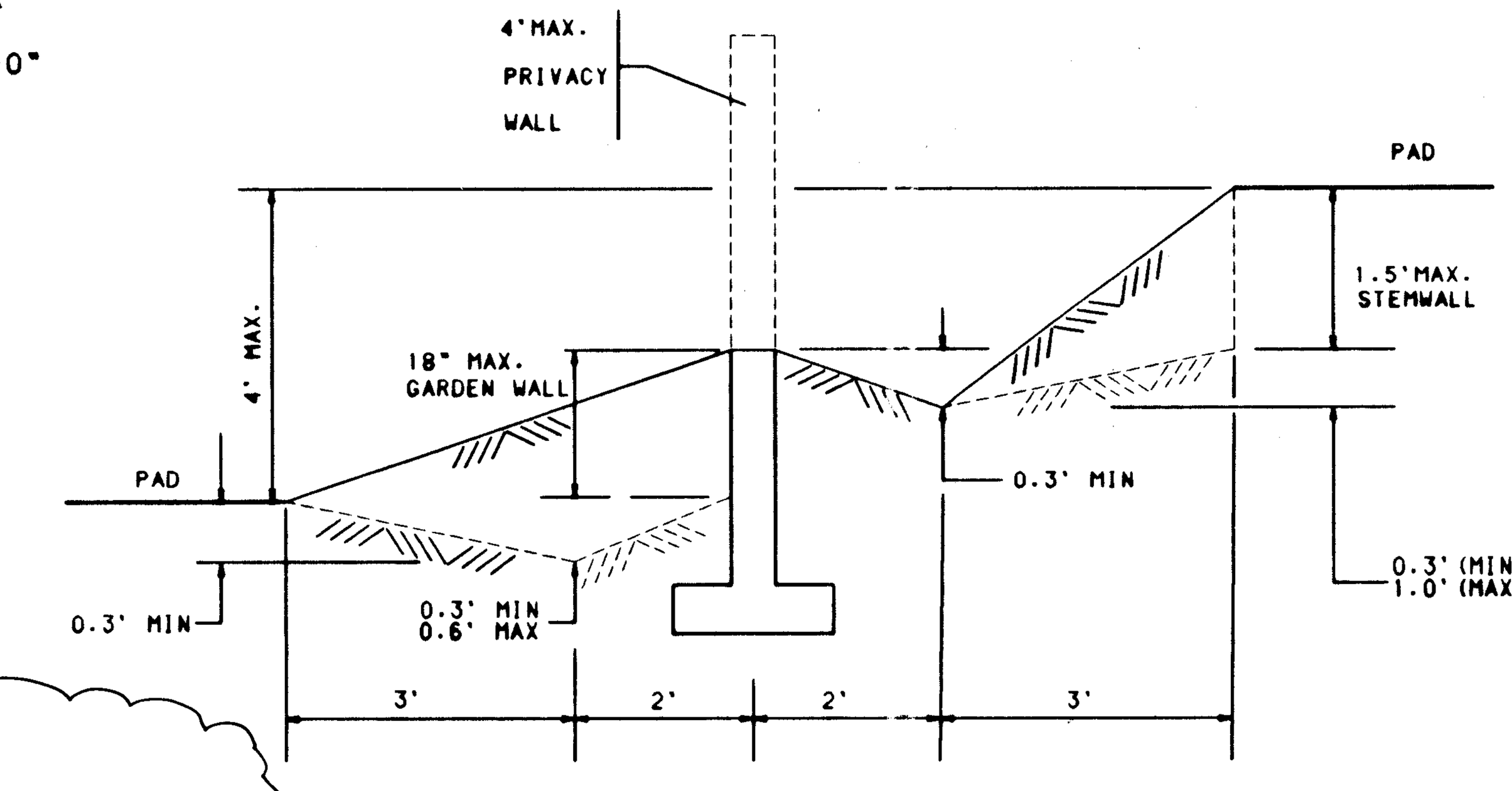
TYPICAL STEPPED FOOTING DETAIL

BARS AS PER RETAINING WALL DETAILS
NO SCALE



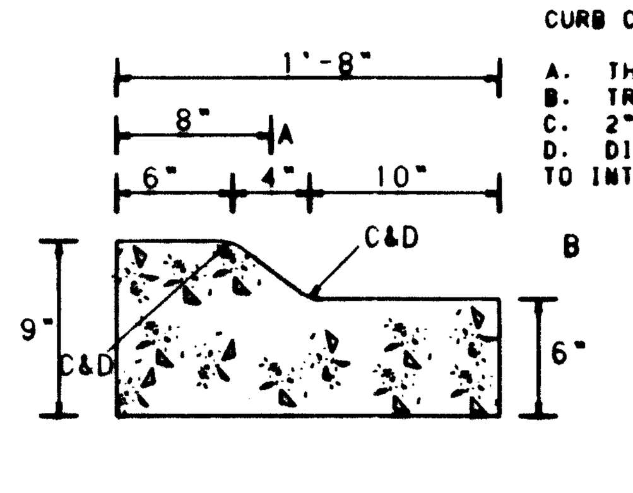
PILASTER DETAIL

4' RETAINING WALLS
NO SCALE



TYPICAL SIDE LOT LINE SECTION

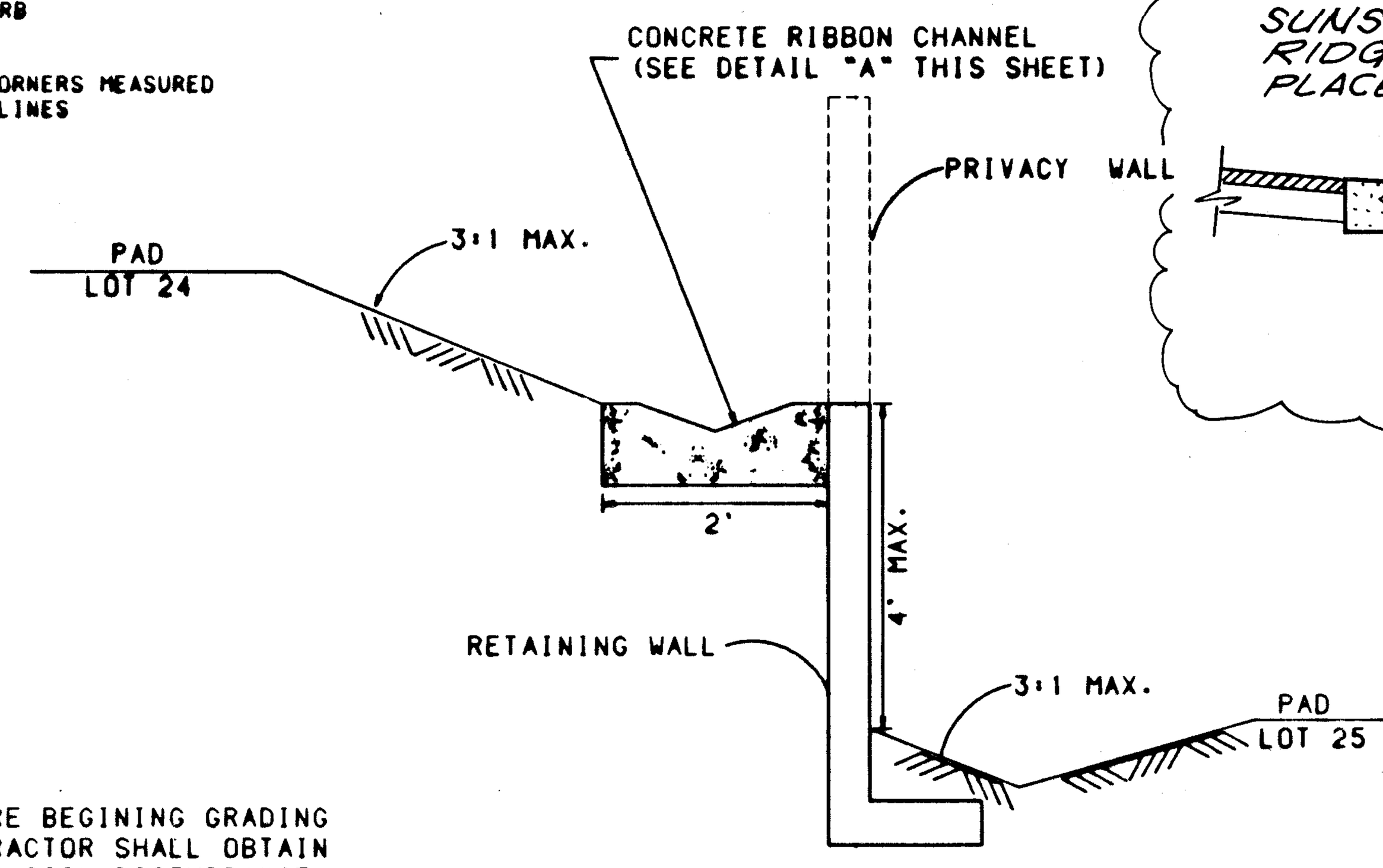
NO SCALE



CURB CONSTRUCTION NOTES
A. THEORETICAL FACE OF CURB
B. TRAFFIC SIDE
C. 2" RADIUS
D. DIMENSION AT ROUNDED CORNERS MEASURED TO INTERSECT. OF STRAIGHT LINES

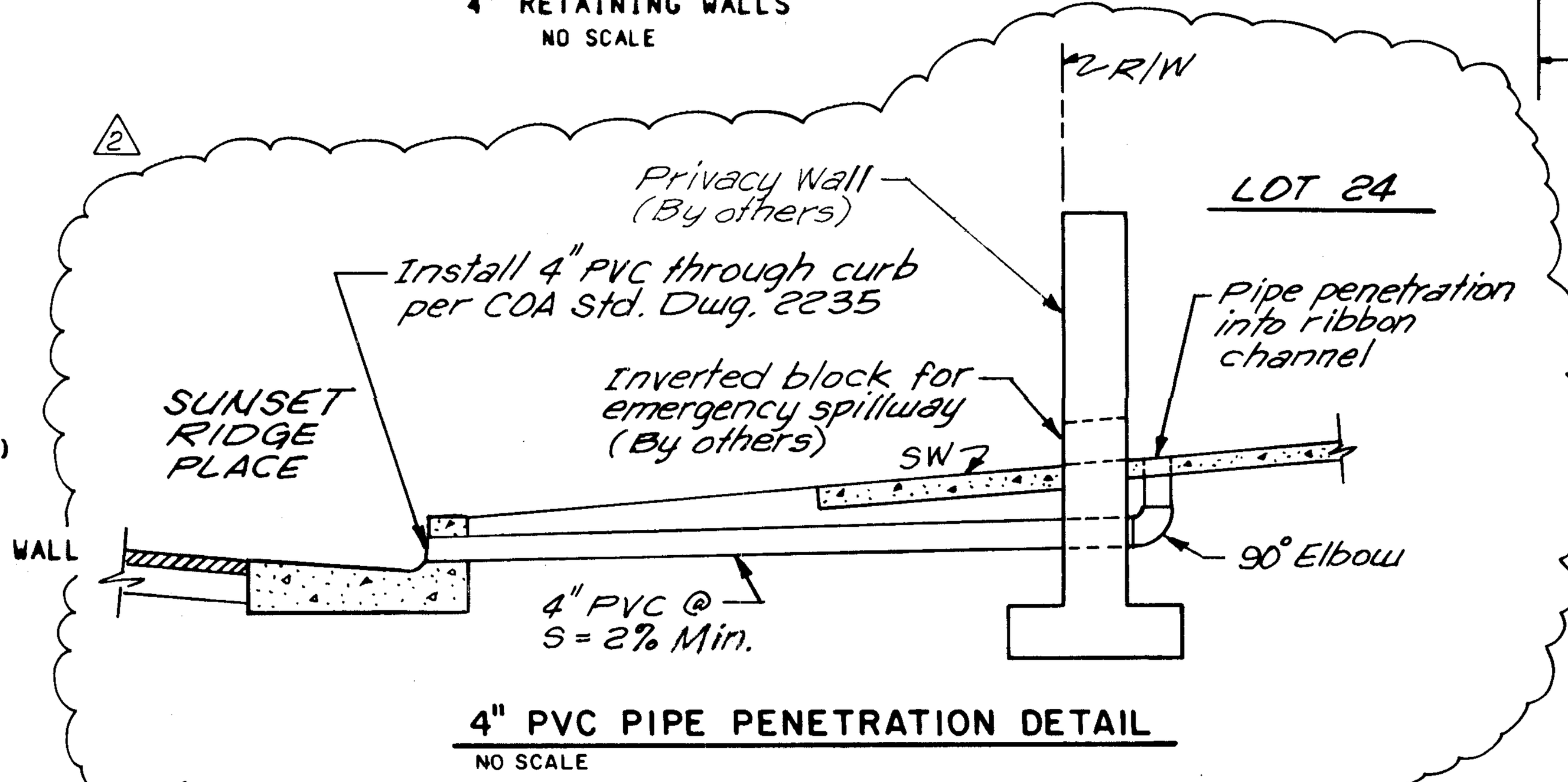
NO SCALE

MODIFIED MEDIAN CURB & GUTTER



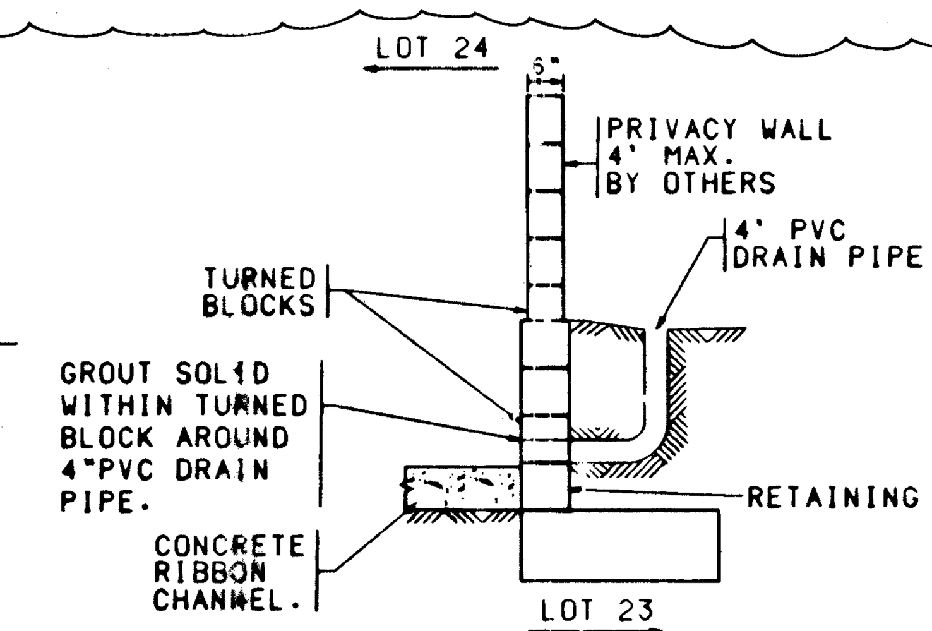
CROSS SECTION A - A

NO SCALE



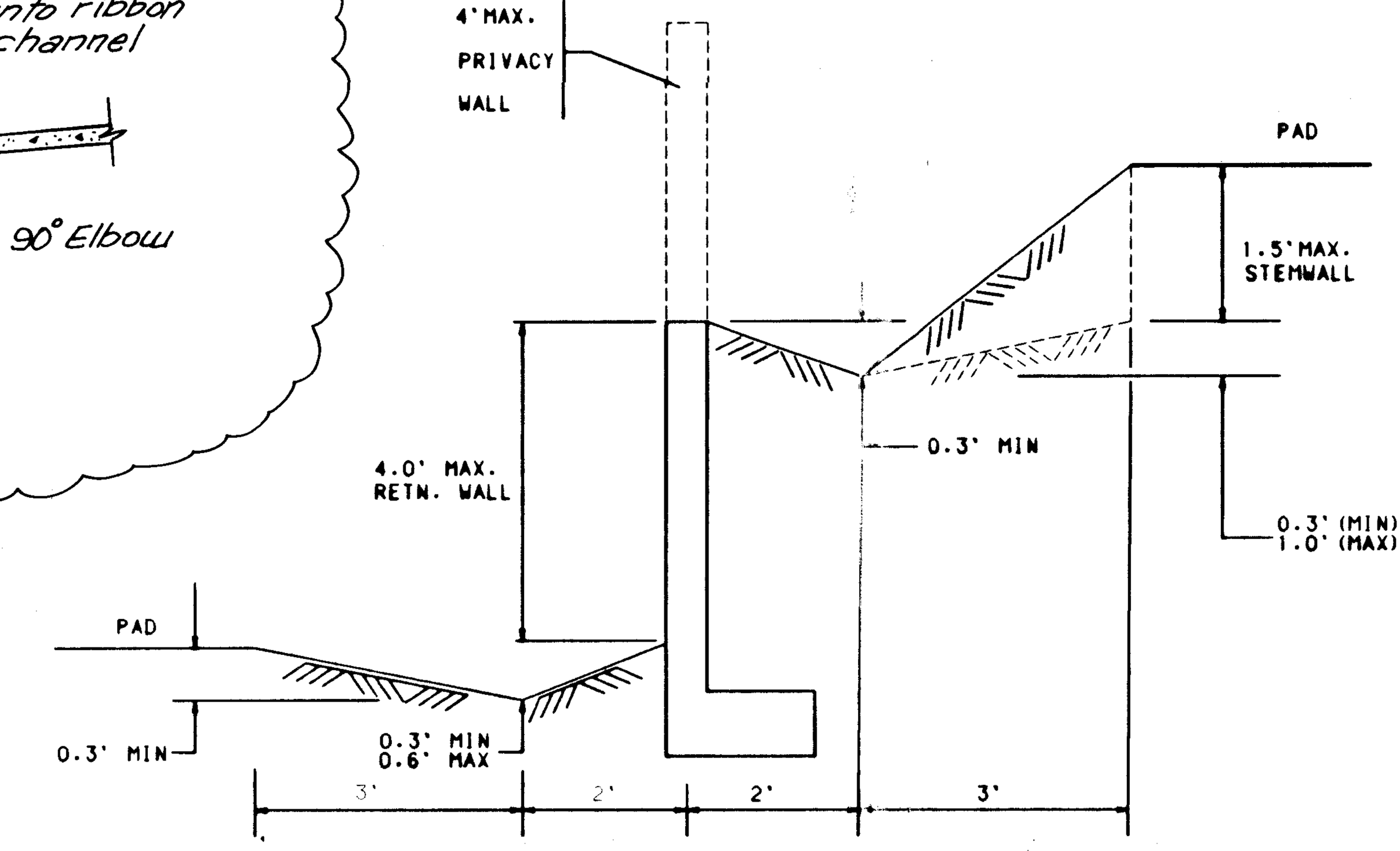
4" PVC PIPE PENETRATION DETAIL

NO SCALE



CROSS SECTION B-B

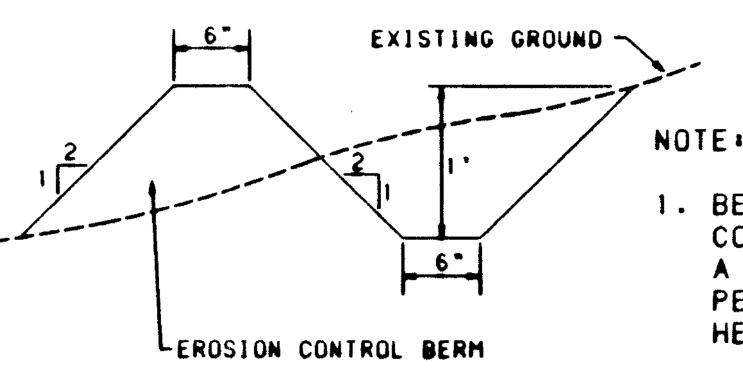
NO SCALE
(SECTION CUT FROM GRADING PLAN)



TYPICAL SIDE LOT LINE SECTION WITH RETAINING WALL

NO SCALE

NOTE: DASHED LINES IN SECTION A-A AND TYP. SIDE LOT LINE SECTIONS REPRESENT THE FINAL CONDITION AFTER THE GARDEN, STEM, AND PRIVACY WALLS HAVE BEEN CONSTRUCTED. THE INTERIM CONDITION, WHICH IS TO BE CONSTRUCTED BY THE GRADING CONTRACTOR AND CERTIFIED BY THE ENGINEER, IS REPRESENTED BY THE SOLID LINES. RETAINING WALLS WILL BE CONSTRUCTED PRIOR TO GRADING CERTIFICATION.



EROSION CONTROL PLAN

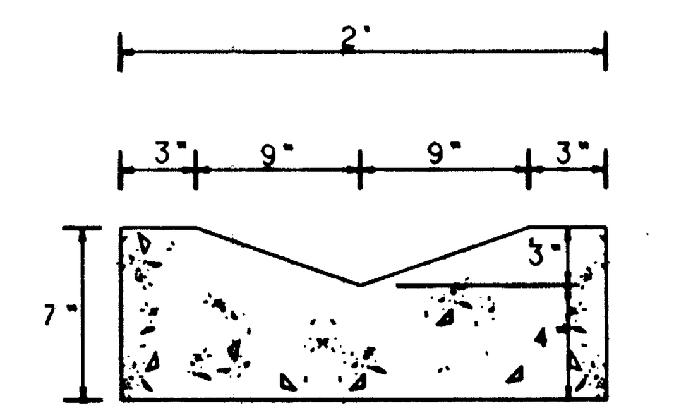
NO SCALE

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

NOTE:

1. BEFORE BEGINING GRADING CONTRACTOR SHALL OBTAIN A TOP SOIL DISTURBANCE PERMIT FROM THE ENVIROMENTAL HEALTH DIVISION.
2. RESEEDING OF DISTURBED AREAS SHALL CONFORM TO HIGH DESERT INVESTMENT CORPORATION SPECIFICATIONS.

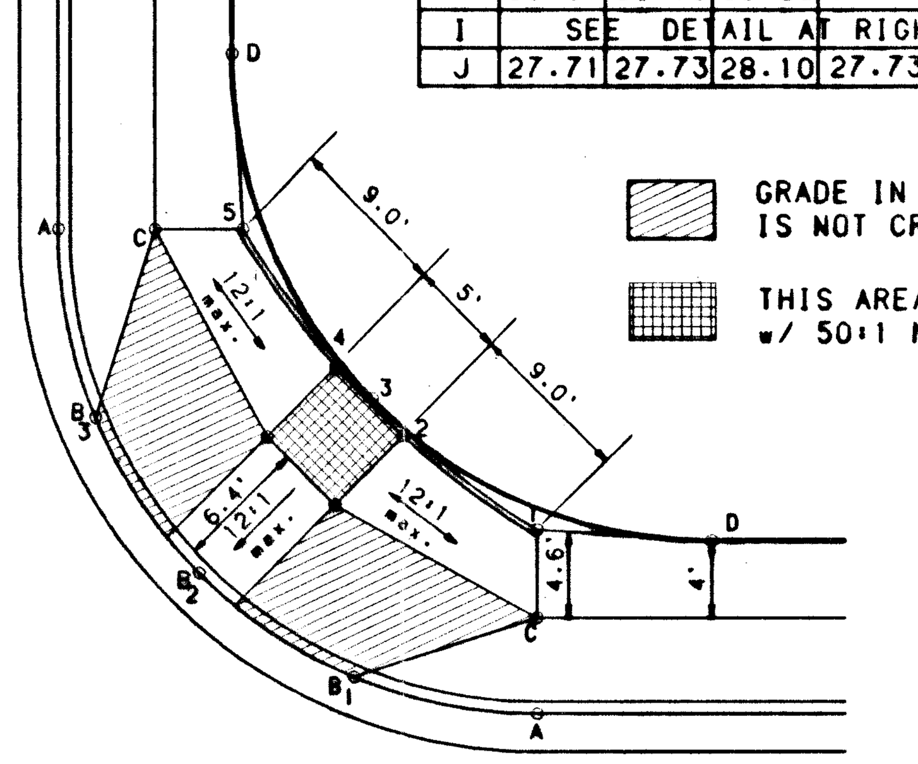
RIBBON CHANNEL
SLOPE = 2.0% Q100=0.2 cfs



NO SCALE

DETAIL "A" (CROSS SECTION A-A")

RAMP	1	2	3	4	5
A	47.25	46.50	47.00	46.40	46.20
B	48.45	48.70	49.20	48.70	49.01
C	46.38	46.10	46.60	46.10	46.18
D	46.63	47.38	47.75	47.38	48.23
E	55.11	54.78	55.15	54.78	54.21
F	54.81	55.50	55.87	55.50	55.95
G	37.99	37.30	37.77	37.30	36.71
H	39.31	39.16	39.85	39.16	39.41
I	SEE DETAIL AT RIGHT				
J	27.71	27.73	28.10	27.73	27.85



GRADE IN THESE AREAS IS NOT CRITICAL.

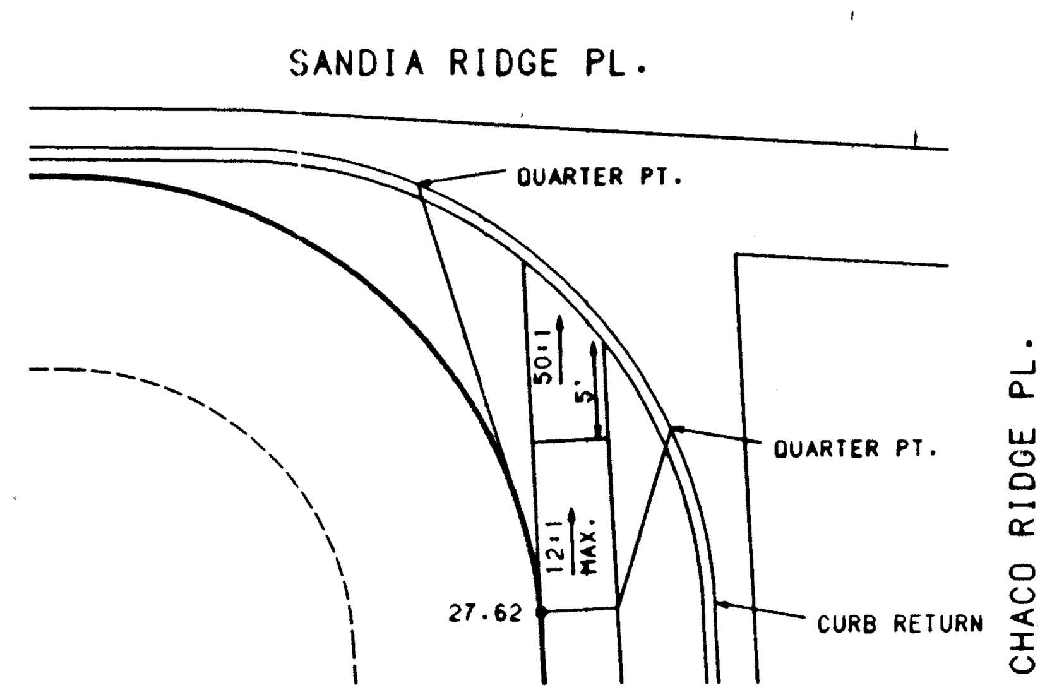
THIS AREA IS 5'x 5' w/ 50:1 MAX. SLOPE

GENERAL WHEEL CHAIR RAMP DETAIL

NO SCALE

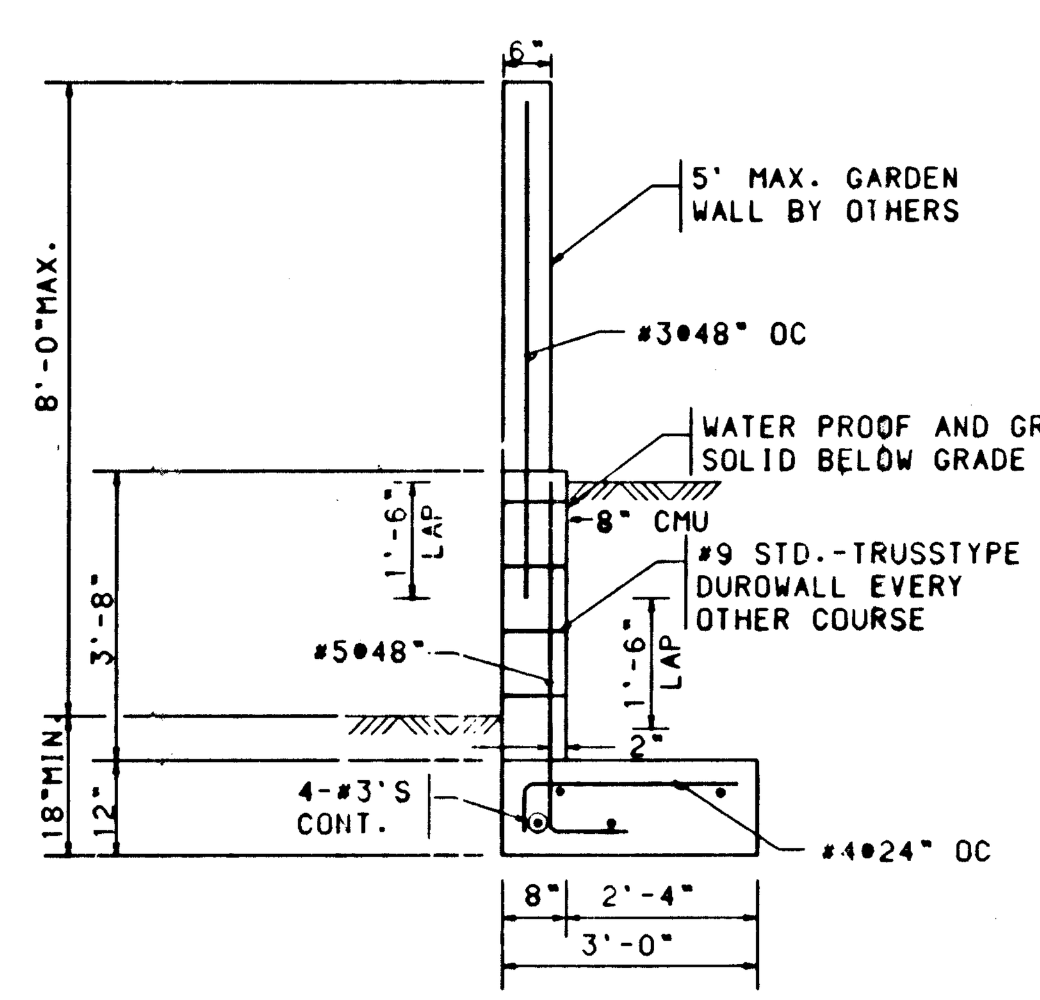
NOTE: ALL HANDICAP RAMPS AND QUATER POINT TABLES IDENTIFIED BY LETTER ON THE PNP SHEETS. (CORRESPONDING TO THE LETTERS IN THE TABLE ABOVE)

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



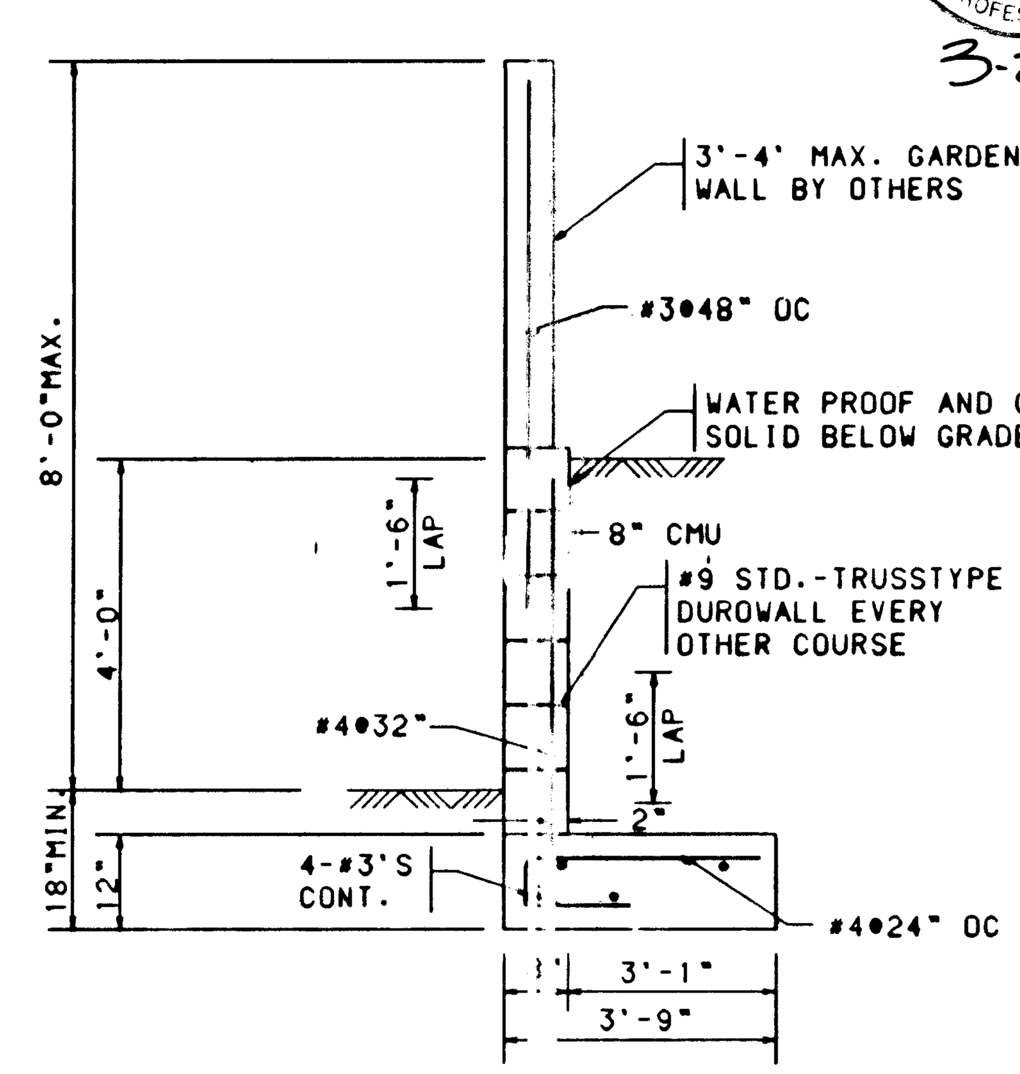
WHEEL CHAIR RAMP DETAIL

(FOR SW CORNER OF CHACO AND SANDIA - NO SCALE)



3' RETAINING WALL

NO SCALE



4' RETAINING WALL DETAIL

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 3:1.
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 = 120 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 = 325 PCF
   CONCRETE F'C (28 DAYS) = 3000 PSI
   GROUT STRENGTH = 2000 PSI
   CMU GRADE N = 1500 PSI (GROUTED SOLID) 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

JAMES P. WHEELER, NEW MEXICO, REGISTERED PROFESSIONAL SURVEYOR
3-25-97

ENGINEER'S SEAL: JAMES D. TOMMILLER, NEW MEXICO, REGISTERED PROFESSIONAL ENGINEER
9/5/96

RECORD DRAWING
DATE: 3-20-97

AS-BUILT INFORMATION
CONTRACTOR CCM, Inc.
WORK STAKED BY BHI 3/97
INSPECTOR'S ACCEPTANCE BY BHI 3/97
FIELD VERIFICATION BY BHI 3/97
DRAFTING CORRECTED BY BHI 3/97
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
STATION IS A STANDARD UCCAGS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND, LOCATED 100 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155
GEOLOGICAL SURVEY BENCH MARK. TOP

SURVEY INFORMATION	FIELD NOTES	
NO.	BY	DATE

NO.	DATE	REMARKS	BY	DATE
2	12-16-96	Added 4" PVC Pipe Penetration Detail	BS	
		REVISIONS		
		DESIGN		
DESIGNED BY	KGP/BJS			DATE 9/96
DRAWN BY	BS, JAG			DATE 9/96
CHECKED BY	JBT			DATE 9/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL - TRACT 4B
MISCELANEOUS DETAILS

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET OF
553481	E-23	18

DATE: AUGUST, 1996

USERNAME: CDPS-EC96221A2440-PAD3DETAILS.GRF

26-553481 18/1 04/97

TRAMWAY BLVD. (ROW VARIES)

CONTRACTOR SHALL BUILD 4' WIDE, 6" THICK GRAVEL PED. PATH FROM SUNSET TO TRAMWAY PATH. MAX. SLOPE = 10%

INSTALL 25 LF. OF 18 CMP ACROSS ESMT. MATCH INVERTS TO INV. OF EXIST. SWALE. S=1.0% NORTH TO SOUTH

TRACT 4B-1 1.6023 ACRES

25' PUBLIC PED. ACCESS EASEMENT

SANDIA RIDGE PL. (ALIGNMENT "A")

PUBLIC SAS, SD AND WL EASEMENT

PUBLIC SAS AND SD AND PEDESTRIAN ACCESS EASEMENT

PUBLIC SAS AND SD EASEMENT

STA. 5+00.57, SANDIA RIDGE "A" = STA. 1+00.00, CHACO RIDGE PL.

STA. 5+00.66 SANDIA RIDGE PL. "A" = STA. 5+00.93 SANDIA RIDGE PL. "B"

STA. 5+00.00, SANDIA RIDGE "B" = STA. 1+00.00, CHACO RIDGE PL.

CHACO RIDGE PL.

STD. CURB & GUTTER

ROLL CURB & GUTTER

46'R/W 28'F/F

TRACT 4B

100 YR. FEMA FLOOD PLAIN

TRACT 4A

ACADEMY ROAD N.E. (ROW VARIES)

20' F/F (BY OTHERS)

100 YR. FEMA FLOOD PLAIN (INACTIVE)

SANDIA RIDGE PL. (ALIGNMENT "B")

STA. 12+01.15, HIGH RIDGE PL. = STA. 9+67.35, SANDIA RIDGE PL. ALIGNMENT "B"

PRIVATE PARK TRACT 4B-2 0.1119 AC

STA. 9+78.99, HIGH RIDGE PL. = STA. 10+41.46, SUNSET RIDGE PL.

SUNSET RIDGE PL.

HIGH RIDGE PLACE

HIGH RIDGE PL.

72' R/W 54' F/F 20'

LANDSCAPE EASEMENT

CONSTRUCT 20' WIDE GRAVEL EMERGENCY ACCESS ROAD WITHIN CROSS HATCHED AREA SHOWN. RD SHALL BE 6" GRAVEL OVER 1' COMPACTED SUBGRADE (95% MIN.) 3% MAX. CROSS SLOPE.

35'R

PUBLIC WL EASEMENT

EMERGENCY ACCESS EASEMENT

TRACT 4B-3 0.1619 ACRES

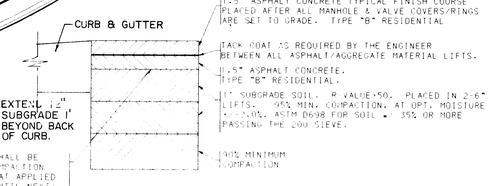
CONSTRUCTION OF CORTADERIA STREET SHALL BE BY OTHERS PROJECT No. 554981

STA. 13+24.97, SUNSET RIDGE PL. = STA. 42+75.00, CL. CORTADERIA ST.

CORTADERIA STREET N.E. (ROW VARIES)

NOTE: SEE SHEET 4 OF 18 FOR WHEELCHAIR RAMP DETAILS.

FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/ FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.

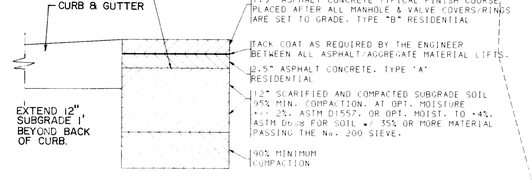


TYPICAL RESIDENTIAL PAVEMENT SECTION

NO SCALE

(REFER TO COA STD DWG 2405, EXCEPT THAT TYPE "B" GRADATION SHALL BE USED)

THIS SECTION SHALL BE FOR ALL STREETS EXCEPT SUNSET RIDGE FROM STA 10+00 TO 13+01



HEAVY RESIDENTIAL PAVEMENT SECTION

NO SCALE

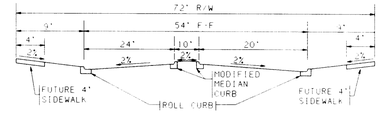
THIS PAVEMENT SECTION SHALL BE USED FOR SUNSET RIDGE FROM STA. 10+00 TO 13+01.00 ONLY.

FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/ FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.

SCALE: 1" = 60'

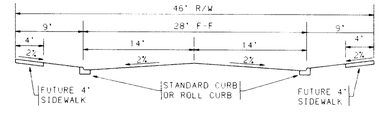
LEGEND

- 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
- EXISTING CONDUIT PIPE
- PROPOSED STREET LIGHT
- PROPOSED RETAINING WALL
- CMU WALL



ENTRANCE STREET SECTION

NO SCALE



TYPICAL STREET SECTION A-A

NO SCALE

JAMES P. WHEELER NEW MEXICO 10201 REGISTERED PROFESSIONAL SURVEYOR

3-25-97

12-5[illegible]-0597

RECORD DRAWING
DATE: 3-20-97

AS-BUILT INFORMATION

CONTRACTOR: CCNI, Inc.
STAKED BY: BHI DATE 3/97
INSPECTOR'S INITIALS: BHI DATE 3/97
FIELD VERIFICATION BY: BHI DATE 3/97
CORRECTED BY: BHI DATE 3/97

BENCH MARKS
STATION IS A STANDARD UGC 3 1/4 BRASS CAP
GEOLOGICAL SURVEY BENCH MARK. TOP OF TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.75

MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.:

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO
9/8/96
U.S. REGISTERED

NO.	DATE	REMARKS	BY	DATE
		AS-BUILTS		7/96
		DESIGN		7/96

DESIGNED BY KGP/BJS
DRAWN BY BS . JAG
CHECKED BY KP

SCANNED BY BY LASON

BHI JOB NO. 96221A2440

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL - TRACT 4B

PAVING PLAN

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

CITY PROJECT NO. 553481 | ZONE MAP NO. E-23 | SHEET 5 OF 18

CDP5:[C96221A2440.PAD]OVERALL-PAVE.GRF

	TC	FL	Ⓐ
1	46.71R	46.38	
2	46.02	46.00	
3	46.32	45.65	

D=94°35'39.8"
L=41.27
R=25.00'
WR=81.99'

	TC	FL	Ⓑ
1	48.39R	48.06	
2	48.22	48.20	
3	48.67R	48.34	

D=94°21'19.2"
L=41.17'
R=25.00'
WR=59.63'

	TC	FL	Ⓒ
1	46.21	45.54	
2	45.60	45.58	
3	45.94R	45.61	

D=86°03'56.7"
L=37.55'
R=25.00'
WR=59.63'

	TC	FL	Ⓓ
1	46.53R	46.20	
2	46.72	46.70	
3	47.53R	47.20	

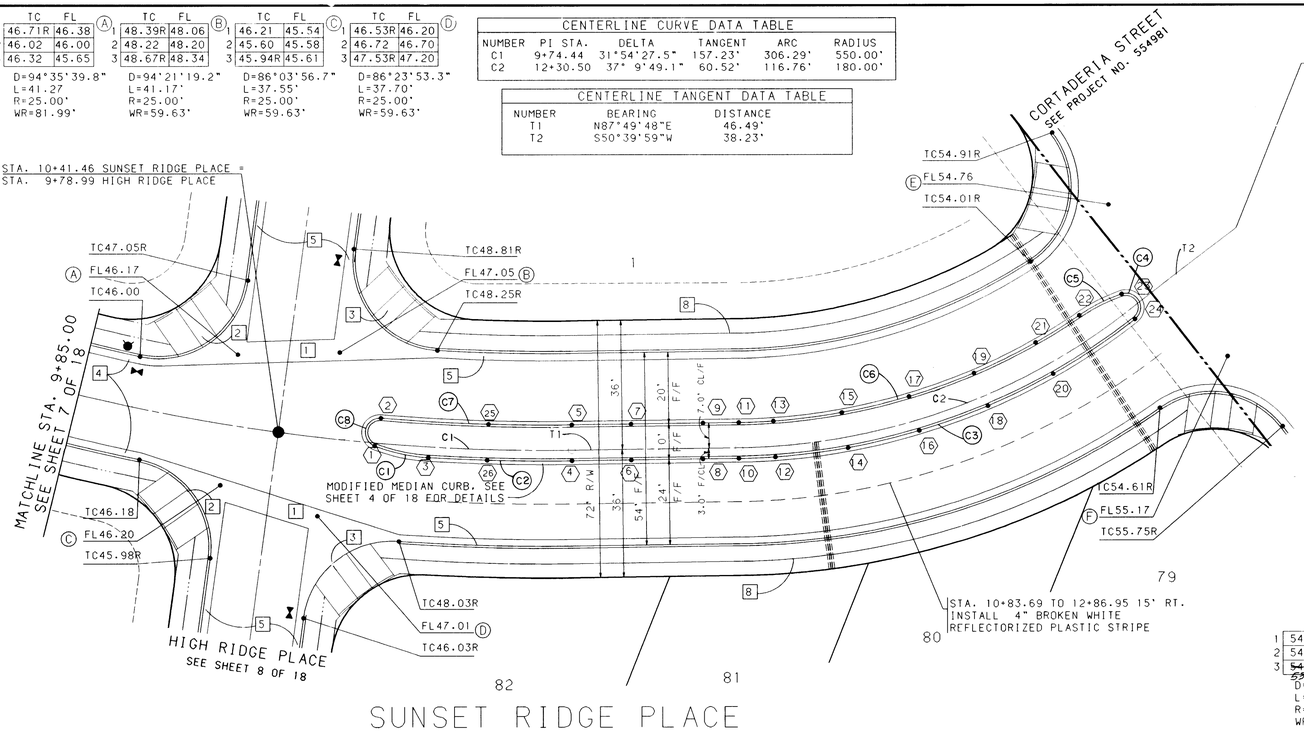
D=86°23'53.3"
L=37.70'
R=25.00'
WR=59.63'

CENTERLINE CURVE DATA TABLE

NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	9+74.44	31°54'27.5"	157.23'	306.29'	550.00'
C2	12+30.50	37° 9'49.1"	60.52'	116.76'	180.00'

CENTERLINE TANGENT DATA TABLE

NUMBER	BEARING	DISTANCE
T1	N87°49'48"E	46.49'
T2	S50°39'59"W	38.23'



MODIFIED MEDIAN CURB & GUTTER

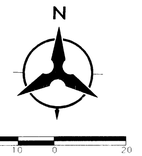
POINT	STA.	OFFSET	TC.	FL.
⬡ 1	10+68.50	0.84' RT	48.16	47.91
2	10+69.62	7.00' LT	48.08	47.83
3	10+83.69	3.00' RT	48.63	48.38
4	11+23.50	3.00' RT	49.83	49.58
5	11+23.50	7.00' LT	49.79	49.54
6	11+40.00	3.00' RT	50.32	50.07
7	11+40.00	7.00' LT	50.28	50.03
8	11+60.00	3.00' RT	50.93	50.68
9	11+60.00	7.00' LT	50.88	50.64
10	11+69.99	3.00' RT	51.23	50.98
11	11+69.99	7.00' LT	51.19	50.94
12	11+80.00	3.00' RT	51.53	51.27
13	11+80.00	7.00' LT	51.49	51.24
14	12+00.00	3.00' RT	52.14	51.89
15	12+00.00	7.00' LT	52.10	51.85
16	12+20.00	3.00' RT	52.80	52.55
17	12+20.00	7.00' LT	52.76	52.51
18	12+40.00	3.00' RT	53.51	53.26
19	12+40.00	7.00' LT	53.31	53.06
20	12+60.00	3.00' RT	54.26	54.01
21	12+60.00	7.00' LT	53.96	53.71
22	12+74.88	7.00' LT	54.47	54.22
23	12+88.27	4.78' LT	54.95	54.70
24	12+86.94	2.33' RT	55.~~33~~ 55.~~08~~ 54.78	
25	11+00.00	7.00' LT	49.11	48.86
26	11+00.00	3.00' RT	49.03	48.78

	TC	FL	Ⓔ
1	54.69R	54.36	
2	54.15	54.13	
3	~~54.24R~~ 53.91	~~54.91~~ 54.68	

D=94°49'37.3"
L=41.38'
R=25.00'
WR=59.63'

	TC	FL	Ⓕ
1	54.90R	54.57	
2	54.87	54.85	
3	55.47R	55.14	

D=87°20'21.1"
L=38.11'
R=25.00'
WR=59.63'



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. SUFFIX "R" INDICATES ROLLED CURB.

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.

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. TRANSITION FROM STD. CURB & GUTTER TO ROLLED TYPE CURB & GUTTER AS PER COA STD. DWG. 2418
3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
4. STD. CURB & GUTTER AS PER STD. DWG. 2415
5. MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415
6. • MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
7. • DEFERRED 4' SIDEWALK
8. BUILD 4' SIDEWALK
9. • BUILD 6' SIDEWALK
10. • INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421

• NOT APPLICABLE THIS SHEET

AS-BUILT INFORMATION

CONTRACTOR: CCM, Inc.
STAKED BY: BHI DATE: 3/97
INSPECTOR'S ACCEPTANCE BY: BHI DATE: 3/97
FIELD VERIFICATION BY: BHI DATE: 3/97
CORRECTED BY: BHI DATE: 3/97

MICRO-FILM INFORMATION

RECORDED BY: DATE:
NO.:

BENCH MARKS

STATION IS A STANDARD USC&GS BRASS GEODOLGICAL SURVEY BENCH MARK. TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET. AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

FIELD NOTES BY: DATE:

ENGINEER'S SEAL
JAMES P. WHEELER
NEW MEXICO
12007
REGISTERED PROFESSIONAL SURVEYOR
9/8/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	KP, BS
		DRAWN	OH
		CHECKED	JRT

DESIGNED BY KP, BS DATE 8/96
DRAWN BY OH DATE 8/96
CHECKED BY JRT DATE 8/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

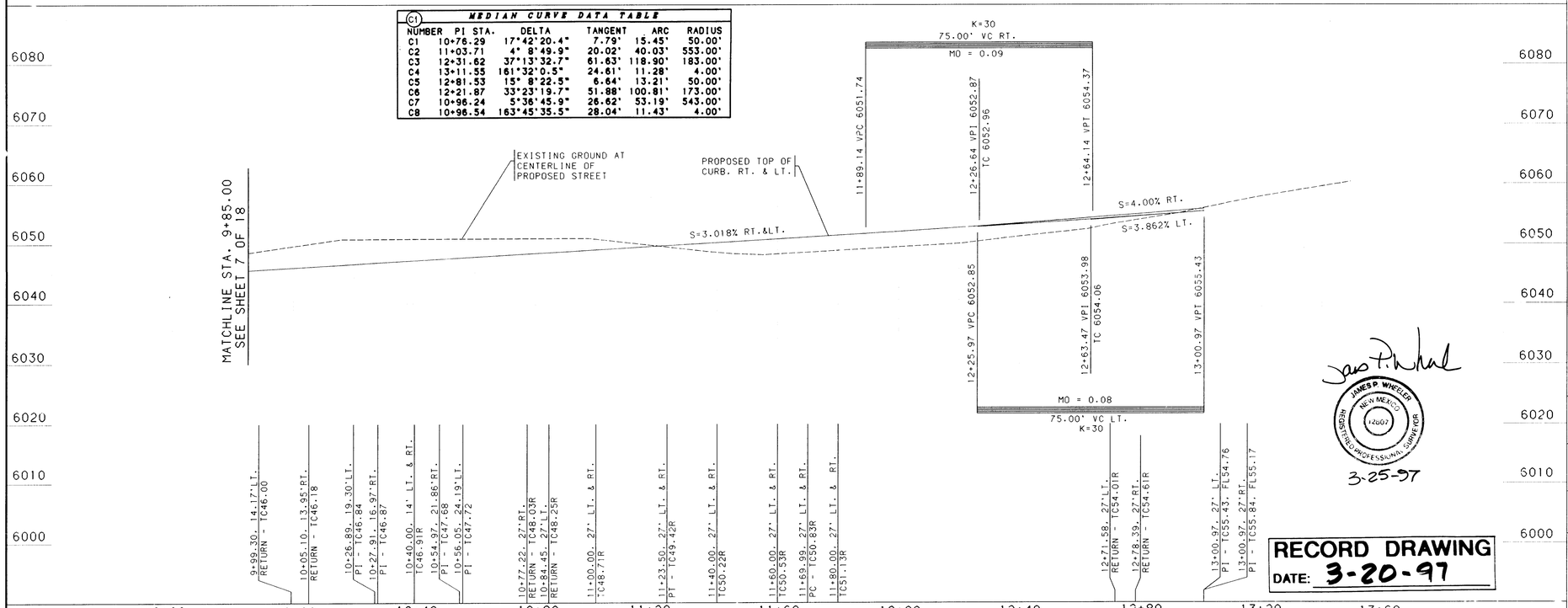
CHAMISA TRAIL AT HIGH DESERT
PAVING PLAN & PROFILE
SUNSET RIDGE PLACE

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

CITY PROJECT NO	ZONE MAP NO.	SHEET	OF
553481	E-23	6	18

DATE: 1996

C1	MEDIAN CURVE DATA TABLE				
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	10+76.29	17°42'20.4"	7.79'	15.45'	50.00'
C2	11+03.71	4° 8'49.9"	20.02'	40.03'	553.00'
C3	12+31.62	37°13'32.7"	61.63'	118.90'	183.00'
C4	13+11.55	161°32'0.5"	24.61'	11.28'	4.00'
C5	12+81.53	15° 8'22.5"	6.64'	13.21'	50.00'
C6	12+21.87	33°23'19.7"	51.88'	100.81'	173.00'
C7	10+96.24	5°36'45.9"	26.62'	53.19'	543.00'
C8	10+96.54	163°45'35.5"	28.04'	11.43'	4.00'



SCALE: 1" = 20' (HORIZ.)
1" = 10' (VERT.)

RECORD DRAWING
DATE: 3-20-97

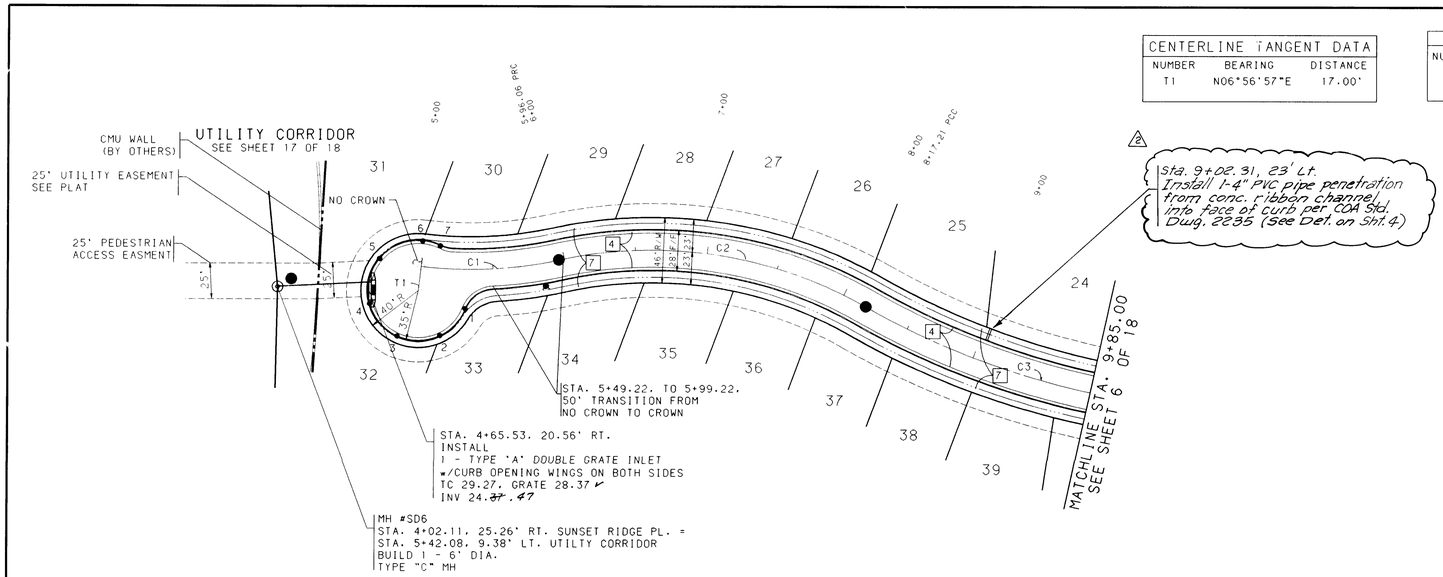
3-25-97

BHI JOB NO. c96221a2440

USERNAME= CDP5:[CG5221A2440.PNP]SUNSET20-PNP.GRF

SCANNED BY
BY LASON

216-1515 XT. 811 06617

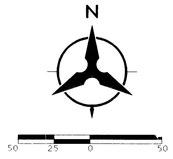


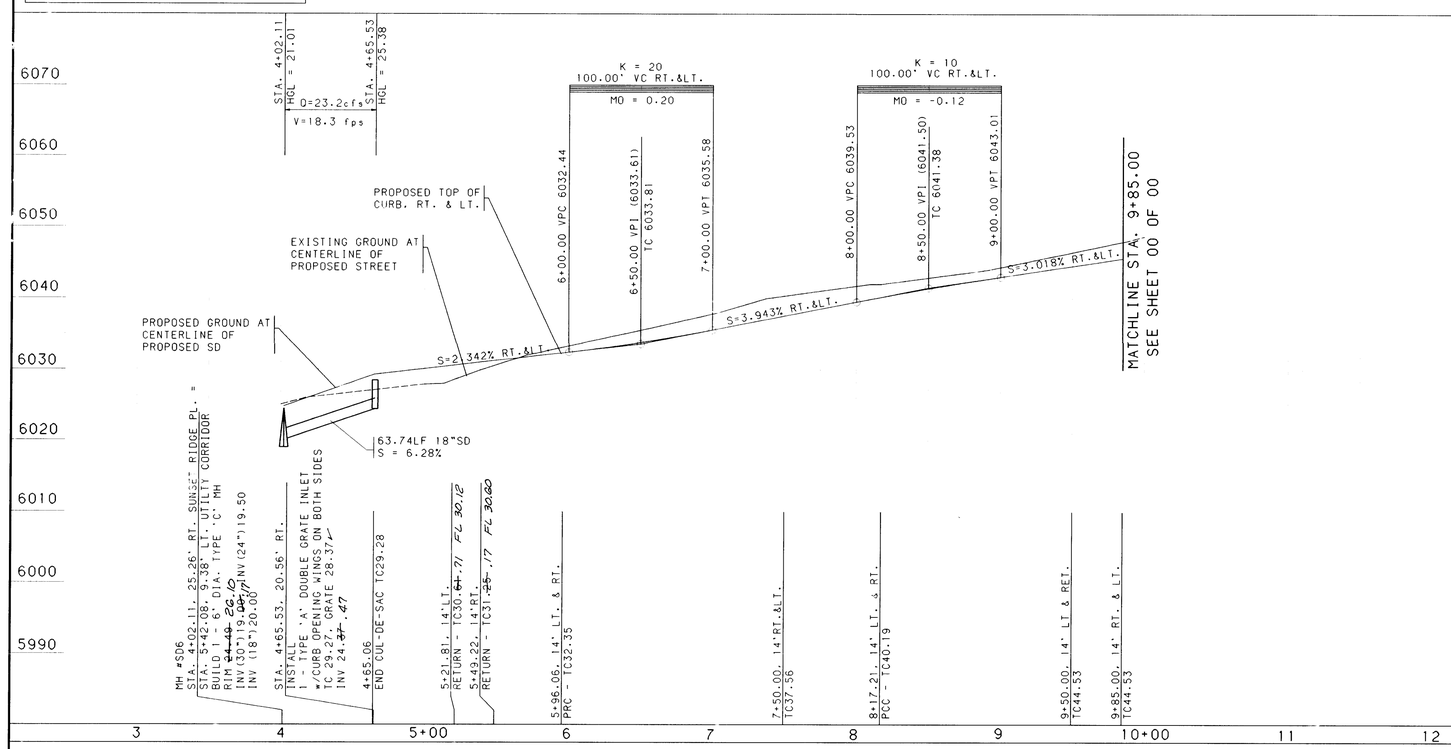
CENTERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N06°56'57"E	17.00'

CENTERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	5+48.50	19°26'51.8"	48.50'	96.06'	283.00'
C2	7+11.93	42°14'10.5"	115.87'	221.15'	300.00'
C3	9+30.91	23°21'41.6"	113.71'	224.25'	550.00'

CUL-DE-SAC CURB DATA			
PT	TC	STATION & OFFSET	DELTA
1	30.83	5+30.95. 27.56' RT	42°59'28"
2	30.48	5+16.18. 47.02' RT	50°21'18"
3	29.84	4+88.85. 50.22' RT	50°21'18"
4	29.33	4+67.24. 29.73' RT	55°10'52"
5	29.42	4+70.77. 2.48' LT	55°10'52"
6	30.08	4+99.24. 17.99' LT	21°01'0.7"
7	30.39	5+12.37. 15.73' LT	
R=35.00'.			

SUNSET RIDGE PLACE





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

BHI JOB NO. C96221A2440

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. SUFFIX "R" INDICATES ROLLED CURB.
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.

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. TRANSITION FROM STD. CURB & GUTTER TO ROLLED TYPE CURB & GUTTER AS PER COA STD. DWG. 2418
3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
4. STD. CURB & GUTTER AS PER STD. DWG. 2415
5. MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415
6. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
7. DEFERRED 4' SIDEWALK
8. BUILD 4' SIDEWALK
9. BUILD 6' SIDEWALK
10. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421

• NOT APPLICABLE THIS SHEET

JAMES P. WHEELER NEW MEXICO 12807 REGISTERED PROFESSIONAL SURVEYOR
3-25-97

RECORD DRAWING
DATE: 3-20-97

ENGINEER'S SEAL
9/16/96

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

AS-BUILT INFORMATION
CONTRACTOR CCMI, Inc.
WORK COMPLETED BY BHI 3/97
INSPECTOR'S ACCEPTANCE BY BHI 3/97
FIELD VERIFICATION BY BHI 3/97
DRAWINGS RECEIVED BY BHI 3/97

BENCH MARKS
STATION IS A STANDARD UCCAGS BRASS DISK IN CONCRETE
GEOLOGICAL SURVEY BENCH MARK. TOP OF TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNESSEE STREET, AND 30 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

NO.	DATE	REMARKS
1	12-16-96	Added 4" pvc pipe penetration

RECORDED BY
DATE

DESIGNED BY KP, ES DATE 6/96
DRAWN BY BS, OR DATE 8/96
CHECKED BY JRT DATE 8/96

BOHANNAN-HUSTON INC.
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL AT HIGH DESERT
PAVING PLAN & PROFILE
SUNSET RIDGE PLACE - INCLUDING SD

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
553481	E-23	7	18

USERNAME: CDP:[C96221A2440.PNP]SUNSET-PNP.GRF

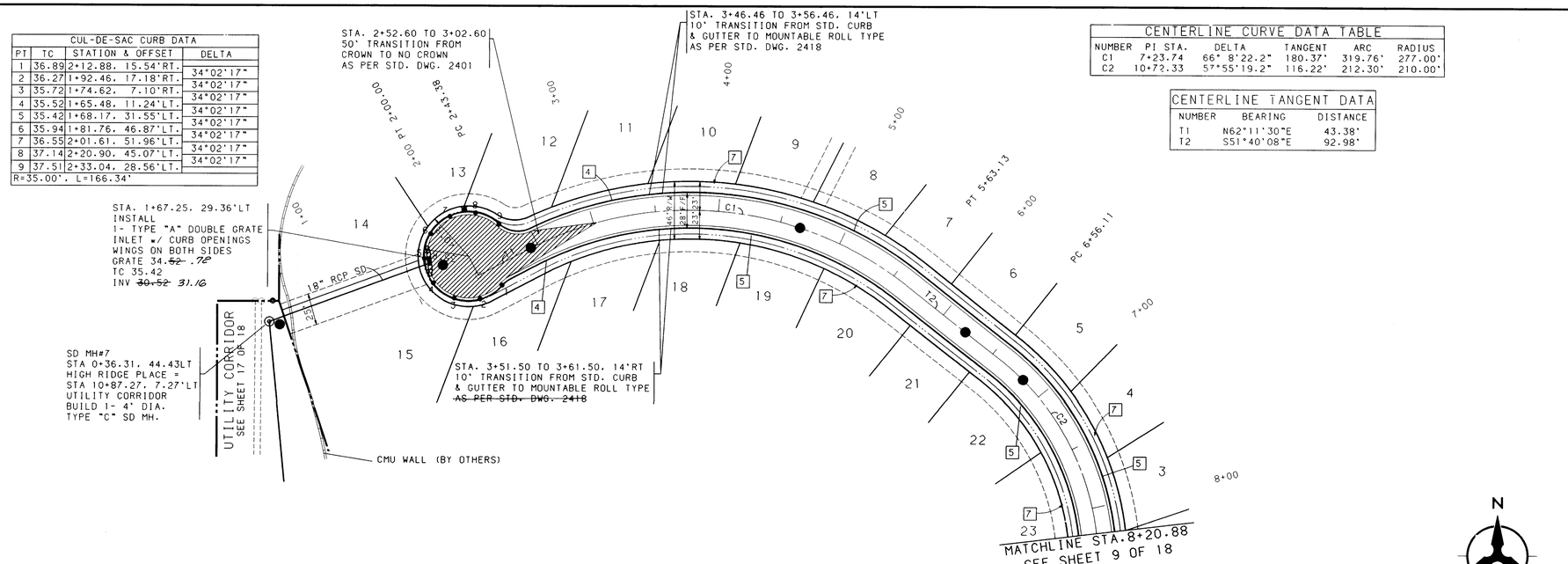
SCANNED BY BY LASON

26-5134-1811-0717

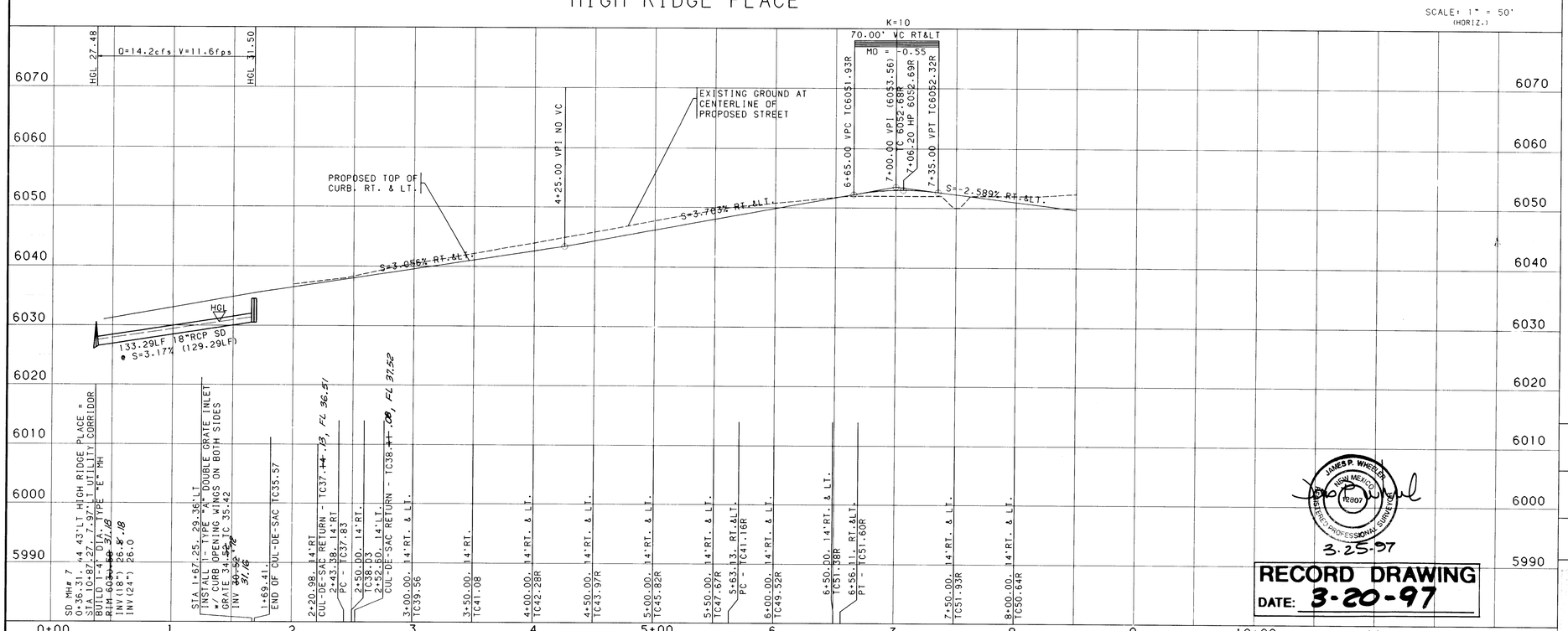
CUL-DE-SAC CURB DATA			
PT	TC	STATION & OFFSET	DELTA
1	36.89	2+12.88, 15.54'RT.	34°02'17"
2	36.27	1+92.46, 17.18'RT.	34°02'17"
3	35.72	1+74.62, 7.10'RT.	34°02'17"
4	35.52	1+65.48, 11.24'LT.	34°02'17"
5	35.42	1+68.17, 31.55'LT.	34°02'17"
6	35.94	1+81.76, 46.87'LT.	34°02'17"
7	36.55	2+01.61, 51.96'LT.	34°02'17"
8	37.14	2+20.90, 45.07'LT.	34°02'17"
9	37.51	2+33.04, 28.56'LT.	
R=35.00', L=166.34'			

CENTERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	7+23.74	66° 8'22.2"	180.37'	319.76'	277.00'
C2	10+72.33	57°55'19.2"	116.22'	212.30'	210.00'

CENTERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N62°11'30"E	43.38'
T2	S51°40'08"E	92.98'



HIGH RIDGE PLACE



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

JAMES P. WHEELER, NEW MEXICO, 10803, REGISTERED PROFESSIONAL SURVEYOR
3.25.97

RECORD DRAWING
DATE: 3-20-97

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. SUFFIX "R" INDICATES ROLLED CURB.

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.

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. TRANSITION FROM STD. CURB & GUTTER TO ROLLED TYPE CURB & GUTTER AS PER COA STD. DWG. 2418
3. • INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
4. STD. CURB & GUTTER AS PER STD. DWG. 2415
5. MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415
6. • MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
7. DEFERRED 4' SIDEWALK
8. • BUILD 4' SIDEWALK
9. • BUILD 6' SIDEWALK
10. • INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421

• NOT APPLICABLE THIS SHEET

SEAL SURVEY INFORMATION — BENCH MARKS — AS-BUILT INFORMATION
FIELD NOTES — STATION IS A STANDARD UCC&GS BRASS — CONTRACTOR CCM, Inc.
NO. — GEOLOGICAL SURVEY BENCH MARK: TOP — MARKED BY BHI
BY — TABLET STAMPED "TUMBLE 1969" SET IN — INSPECTOR'S ACCEPTANCE BY BHI — DATE 3/97
DATE — CONCRETE PROJECTING 0.2 FEET ABOVE — FIELD VERIFICATION BY BHI — DATE 3/97
GROUND. LOCATED 489 FEET WEST OF — DRAWINGS CORRECTED BY BHI — DATE 3/97
THE INTERSECTION OF SAN ANTONIO — MICRO-FILM INFORMATION
DRIVE AND TENNYSON STREET, AND 35 — RECORDED BY — DATE
FEET NORTH OF RIGHT-OF-WAY LINE — NO.
OF SAN ANTONIO DR. ELEV.=6009.155

ENGINEER'S SEAL
Michael M. Gray
4/8/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		KP, BS	DATE 8/96
DRAWN BY		JAG	DATE 8/96
CHECKED BY		JRT	DATE 8/96

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL AT HIGH DESERT
PAVING PLAN & PROFILE
HIGH RIDGE PLACE

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
553481	E-23	8	18

BHI JOB NO. 96221A2440

DATE: AUGUST 1996

USERNAME: CDP5:[C96221A2440.PNP]HIGH1-PNP.GRF

SCANNED BY
BY LASON

261-1518 3/97 0997

TC	FL	
1	48.39R	48.06
2	48.22	48.20
3	48.67R	48.34

D=94°21'19.2"
L=41.17'
R=25.00'

TC	FL	
1	46.53R	46.20
2	46.72	46.70
3	47.53R	47.20

D=84°04'54.4"
L=36.69'
R=25.00'

TC	FL	
1	39.14R	38.81
2	38.85	38.83
3	39.19R	38.86

D=98°25'22.9"
L=42.95'
R=25.00'

CENTERLINE TANGENT DATA

NUMBER	BEARING	DISTANCE
T1	S90°00'00"W	290.90'
T2	N81°34'37"E	12.44'

CENTERLINE CURVE DATA TABLE

NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	7+72.33	57°55'19.2"	116.22'	212.30'	210.00'
C2	11+74.03	8°25'22.7"	14.73'	29.40'	200.00'

PT 8+68.40

PC 11+59.30
PT 11+88.70

STA. 8+75.55 TO 9+25.55
50' TRANSITION FROM
CROWN TO NO CROWN

STA. 11+06.30 TO 11+56.30
50' TRANSITION FROM
CROWN TO NO CROWN

SUNSET RIDGE PL.
SEE SHEET 6 OF 18

SANDIA RIDGE PL.
SEE SHEET 10 OF 18

MATCHLINE STA. 8+20.88
SHEET 8 OF 18
SEE

STA. 0+90.76 CL CHACO RIDGE PL. =
STA. 5+00.93 9.19'LT SANDIA RIDGE PL.
ALIGNMENT 'B'=
STA. 5+00.00 CL SANDIA RIDGE PL.
ALIGNMENT 'A'

STA. 12+01.15 HIGH RIDGE PL.=
STA. 9+67.35 SANDIA RIDGE PL.

STA. 9+78.99 HIGH RIDGE PL.=
STA. 10+41.46 SUNSET RIDGE PL.

SUNSET RIDGE PL.
SEE SHEET 7 OF 18

PRIVATE PARK

STA. 10+78.79 TO 10+28.79
50' TRANSITION FROM
CROWN TO NO CROWN

SANDIA RIDGE PL.
SEE SHEET 10 OF 18

TC	FL	
1	46.71R	46.38
2	46.02	46.00
3	46.32	45.65

D=94°35'39.8"
L=41.27'
R=25.00'

TC	FL	
1	46.21	45.54
2	45.60	45.58
3	45.94R	45.61

D=86°03'56.7"
L=37.55'
R=25.00'

TC	FL	
1	37.39R	37.06
2	36.67	36.65
3	36.92	36.25

D=81°34'37.3"
L=35.59'
R=25.00'

SCALE: 1" = 50'
(HORIZ.)

HIGH RIDGE PLACE

K=20
75.00' VC LT.
MO = -0.26

K=30
75.00' VC LT.
MO = 0.22

EXISTING GROUND AT
CENTERLINE OF
PROPOSED STREET

VPI NO
VC LT.

PROPOSED TOP OF
CURB, LT.

PROPOSED TOP OF
CURB, RT.

S= 2.589%RT. & LT.
S=-1.527%LT.
S=-2.606%RT.
S=-4.000%LT
S=-2.427%RT.
S=-6.776%RT. & LT.
S=5.469%LT.
S=-3.123%LT.
S=-4.000%RT.

10+00.71 VPC TC6047.35R
10+38.21 VPI 6046.18
TC45.59R
10+75.71 VPT TC6043.31R
10+88.21 VPI NO VC LT. TC42.46R
11+07.26 VPC TC6041.42R
11+44.76 VPI 6039.70
TC39.69R
11+82.26 VPT TC6038.20R

10+01.04 VPC TC6046.41R
10+46.04 VPI 6045.65
TC44.83R
10+91.04 VPT TC6042.27R
11+02.26 VPC TC6041.51R
11+44.76 VPI 6038.96
TC38.92R
11+87.26 VPT TC36.93R

MO = -0.49
MO = 0.29

90.00' VC RT.
K=20
85.00' VC RT.
K=30

8+83.53 TC48.48R
VPI NO VC LT. & RT.

8+50.00 14'RT. & LT.
TC49.34R
8+68.40 14'RT. &LT.
PT - TC48.40R - (LT) TC48.21R
9+00.00 14'RT. &LT.
(RT) TC48.05R - (LT) TC48.21R
9+25.55 14'LT.
RETURN - TC47.~~81R~~.96
9+38.24 14'RT.
RETURN - TC47.~~95R~~.15
9+54.44 14'LT. FL47.05
9+58.98 14'RT.
PT - TC46.84 FL46.17
9+95.75 14'RT.
PT - TC46.87 FL46.20
10+00.71 14'LT. FL47.01
10+16.57 14'RT.
RETURN - TC45.~~98R~~.81
10+29.80 14'LT.
RETURN - TC46.~~08R~~.25

11+00.00 14'RT.&LT.
TC41.66R(RT) - TC41.82R(LT)

11+56.30 14'LT.
RETURN - TC37.~~49R~~.28
11+68.40 14'RT.
RETURN - TC37.~~49R~~.50
11+87.05 14'LT. FL37.71
PT - TC38.38 FL37.71
11+87.26 14'RT.
PT - TC37.26 FL36.59

TC	FL	
1	27.46R	27.13
2	27.10	27.08
3	27.70	27.03

D=84°11'33.5"
L=36.74'
R=25.00'

CUL-DE-SAC CURB DATA			
PT	TC	STATION & OFFSET	DELTA
1	22.97	2+91.95, 22.11'LT.	
2	22.31	3+09.61, 33.62'LT.	35°05'29"
3	21.52	3+30.68, 32.85'RT.	35°05'29"
4	20.90	3+47.46, 20.10'LT.	35°05'29"
5	20.66	3+53.83, CL.	35°05'29"
6	20.90	3+47.46, 20.10'RT.	35°05'29"
7	21.52	3+30.68, 32.85'RT.	35°05'29"
8	22.31	3+09.61, 33.62'RT.	35°05'29"
9	22.97	2+91.95, 22.11'RT.	35°05'29"
R=35.00', L=171.32'			

STA. 1+00.00 CL CHACO RIDGE PL. =
STA. 5+00.00 CL SANDIA RIDGE PL.
ALIGNMENT "B"=
STA. 5+00.57, 9.22'RT. SANDIA
RIDGE PL. ALIGNMENT "A"

STA. 2+74.90 TO 2+84.90, 14'RT
10' TRANSITION FROM ROLL TYPE
TO STD. CURB AND GUTTER.

STA. 2+24.90 TO 2+74.90
50' TRANSITION FROM
CROWN TO NO CROWN

SANDIA RIDGE PL.
SEE SHEET 10 OF 18

SEE SHEET 18 FOR
SD INFORMATION

TC	FL	
1	27.13	26.47
2	26.70	26.68
3	27.21R	26.88

D=86°28'1.0"
L=37.73'
R=25.00'

STA. 1+35.23 TO 1+85.23
50' TRANSITION FROM
CROWN TO NO CROWN

STA. 2+74.90 TO 2+84.90, 14'RT
10' TRANSITION FROM ROLL TYPE
TO STD. CURB AND GUTTER.

CENTERLINE TANGENT DATA

NUMBER	BEARING	DISTANCE
T1	S90°00'00"W	219.09'

SCALE: 1" = 50'
(HORIZ.)

CHACO RIDGE PLACE

K=10
70.00' VC LT.
MO = -0.51

EXISTING GROUND AT
CENTERLINE OF
PROPOSED STREET

PROPOSED TOP OF
CURB, RT. & LT.

S=2.038% LT
S=2.475% RT
S=-3.744% RT. & LT.

1+15.00 VPC TC 6027.24R
1+39.68 HP TC 6027.50R
1+50.00 VPI 6027.96
TC27.45R
1+85.00 VPT TC 6026.65R

1+15.00 VPC TC 6027.09R
1+42.86 HP TC 6027.44R
(6027.96R)
1+50.00 VPI (6027.96)
TC27.42R
1+85.00 VPT TC 6026.65R

MO = -0.54

70.00' VC RT.
K=10

JAMES P. WHEELER
NEW MEXICO
12807
REGISTERED PROFESSIONAL SURVEYOR
3-25-97

RECORD DRAWING
DATE: 3-20-97

1+04.81, 14'RT
PI - TC26.84R, FL26.50
1+27.17, 14'RT.
PT - TC27.08R, FL26.77
1+27.17, 14'RT.
RETURN - TC27.~~49R~~.38
1+35.23, 14'LT.
RETURN - TC27.~~51R~~.57

2+00.00, 14'RT.&LT.
TC26.09R

2+50.00, 14'RT.&LT.
TC24.21R

2+74.90, 14'RT.&LT.
RETURN CUL-DE-SAC 1+23.38R
TC 23.12 (47)
3+00.00 - SEE CUL-DE-SAC
CURB DATA TABLE

3+54.03
END CUL-DE-SAC TC20.32R

SCALE: 1" = 50'
(HORIZ.)

SCALE: 1" = 10' (VERT.)

7 8 9 10+00 11 12 13 0 1 2 3 4 5

6070 6060 6050 6040 6030 6020 6010 6000 5990 5980 5970

TC50.64R

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. SUFFIX "R" INDICATES ROLLED CURB.

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.

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. TRANSITION FROM STD. CURB & GUTTER TO ROLLED TYPE CURB & GUTTER PER COA STD. DWG. 2418
3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
4. STD. CURB & GUTTER AS PER STD. DWG. 2415
5. MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415
6. • MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
7. DEFERRED 4' SIDEWALK
8. • BUILD 4' SIDEWALK
9. • BUILD 6' SIDEWALK
10. • INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421

• NOT APPLICABLE THIS SHEET

AS-BUILT INFORMATION

BENCH MARKS
STATION IS A STANDARD BRASS CAP SET IN CONCRETE
GEOLOGICAL SURVEY BENCH MARK: TOP OF TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET. AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

CONTRACTOR: CCM, Inc. DATE
STAKED BY: BHI INSPECTOR'S ACCEPTANCE BY: BHI DATE 3/97
FIELD VERIFICATION BY: BHI DATE 3/97
AS-BUILTS CORRECTED BY: BHI DATE 3/97

MICRO-FILM INFORMATION
RECORDED BY: DATE
FILM NO.

ENGINEER'S SEAL SURVEY INFORMATION FIELD NOTES

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY KP. BS DATE 8/96
DRAWN BY JAO DATE 8/96
CHECKED BY JRT DATE 8/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL AT HIGH DESERT
PAVING PLAN & PROFILE
HIGH RIDGE PL. & CHACO RIDGE PL.

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

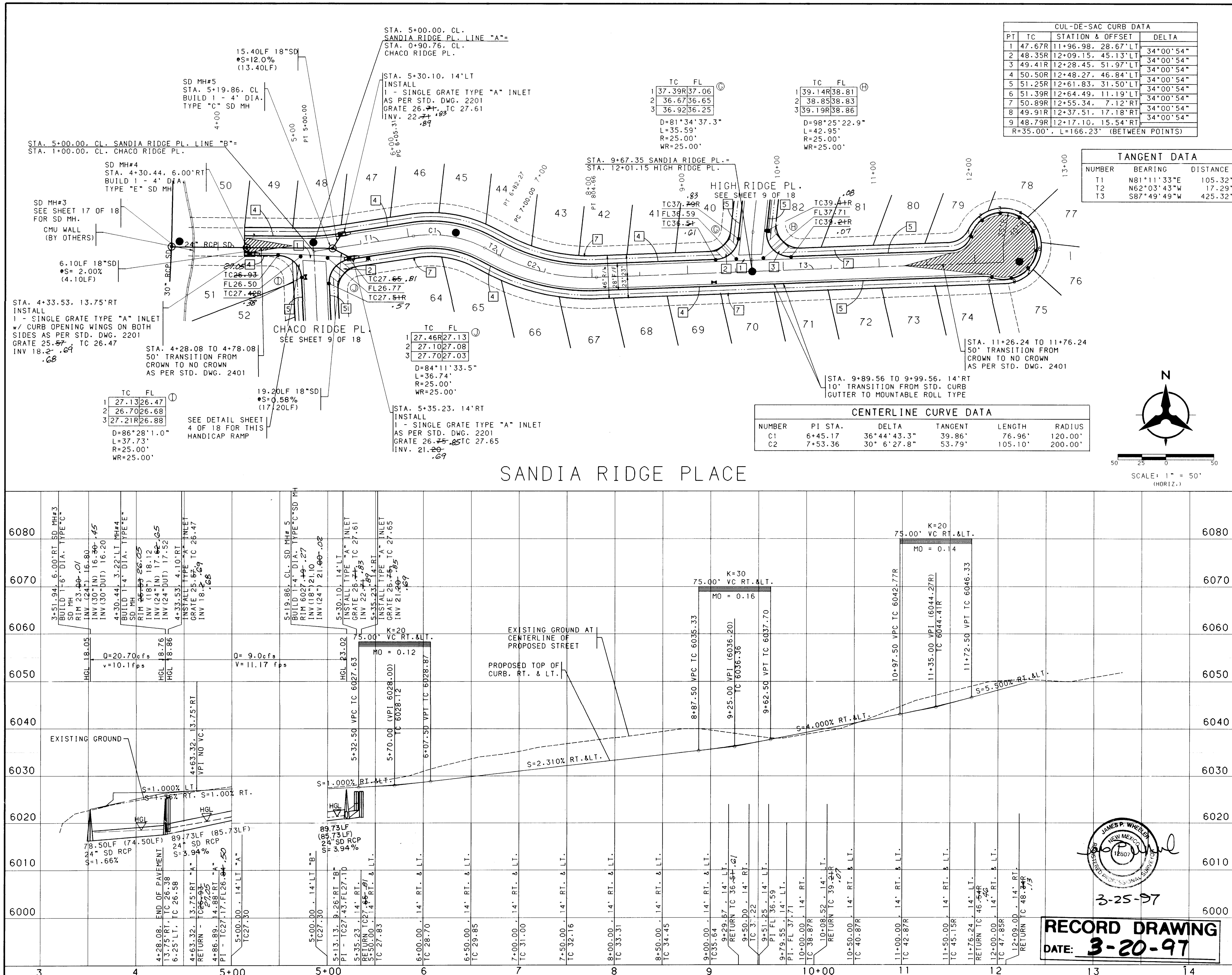
CITY PROJECT NO. 553481
ZONE MAP NO. E-23
SHEET 9 OF 18

BHI JOB NO. 96221A2440

DATE: 1996

USERNAME: CDP<[C96221A2440.PNP]HIGH-CHACO-PNP.GRF

2G-153130.001 01997



CUL-DE-SAC CURB DATA			
PT	TC	STATION & OFFSET	DELTA
1	47.67R	11+96.98, 28.67'LT	
2	48.35R	12+09.15, 45.13'LT	34°00'54"
3	49.41R	12+28.45, 51.97'LT	34°00'54"
4	50.50R	12+48.27, 46.84'LT	34°00'54"
5	51.25R	12+61.83, 31.50'LT	34°00'54"
6	51.39R	12+64.49, 11.19'LT	34°00'54"
7	50.89R	12+55.34, 7.12'RT	34°00'54"
8	49.91R	12+37.51, 17.18'RT	34°00'54"
9	48.79R	12+17.10, 15.54'RT	34°00'54"
R=35.00', L=166.23' (BETWEEN POINTS)			

TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N81°11'33"E	105.32'
T2	N62°03'43"W	17.29'
T3	S87°49'49"W	425.32'

CENTERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	LENGTH	RADIUS
C1	6+45.17	36°44'43.3"	39.86'	76.96'	120.00'
C2	7+53.36	30° 6'27.8"	53.79'	105.10'	200.00'

NOTES

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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.

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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.

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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, TRANSITION FROM STD. CURB & GUTTER TO ROLLED TYPE CURB & GUTTER AS PER COA STD. DWG. 2418

3 INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II

4 STD. CURB & GUTTER AS PER STD. DWG. 2415

5 MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415

6 * MEDIAN CURB & GUTTER AS PER STD. DWG. 2415

7 DEFERRED 4' SIDEWALK

8 * BUILD 4' SIDEWALK

9 * BUILD 6' SIDEWALK

10 * INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421

* NOT APPLICABLE THIS SHEET

AS-BUILT INFORMATION
CONTRACTOR CCM, INC.
STAKED BY BHI
INSPECTOR'S ACCEPTANCE BY BHI DATE 3/97
FIELD VERIFICATION BY BHI DATE 3/97
DRAWINGS CORRECTED BY BHI DATE 3/97

BENCH MARKS
STATION IS A STANDARD UCC&GS BRASS GEOLOGICAL SURVEY BENCH MARK. TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

MICRO-FILM INFORMATION
RECORDED BY:

SURVEY INFORMATION
FIELD NOTES

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY KP, BS DATE 9/96
DRAWN BY JAO DATE 9/96
CHECKED BY JRT DATE 9/96

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL AT HIGH DESERT
PAVING PLAN & PROFILE
SANDIA RIDGE PLACE-INCLUDING SD

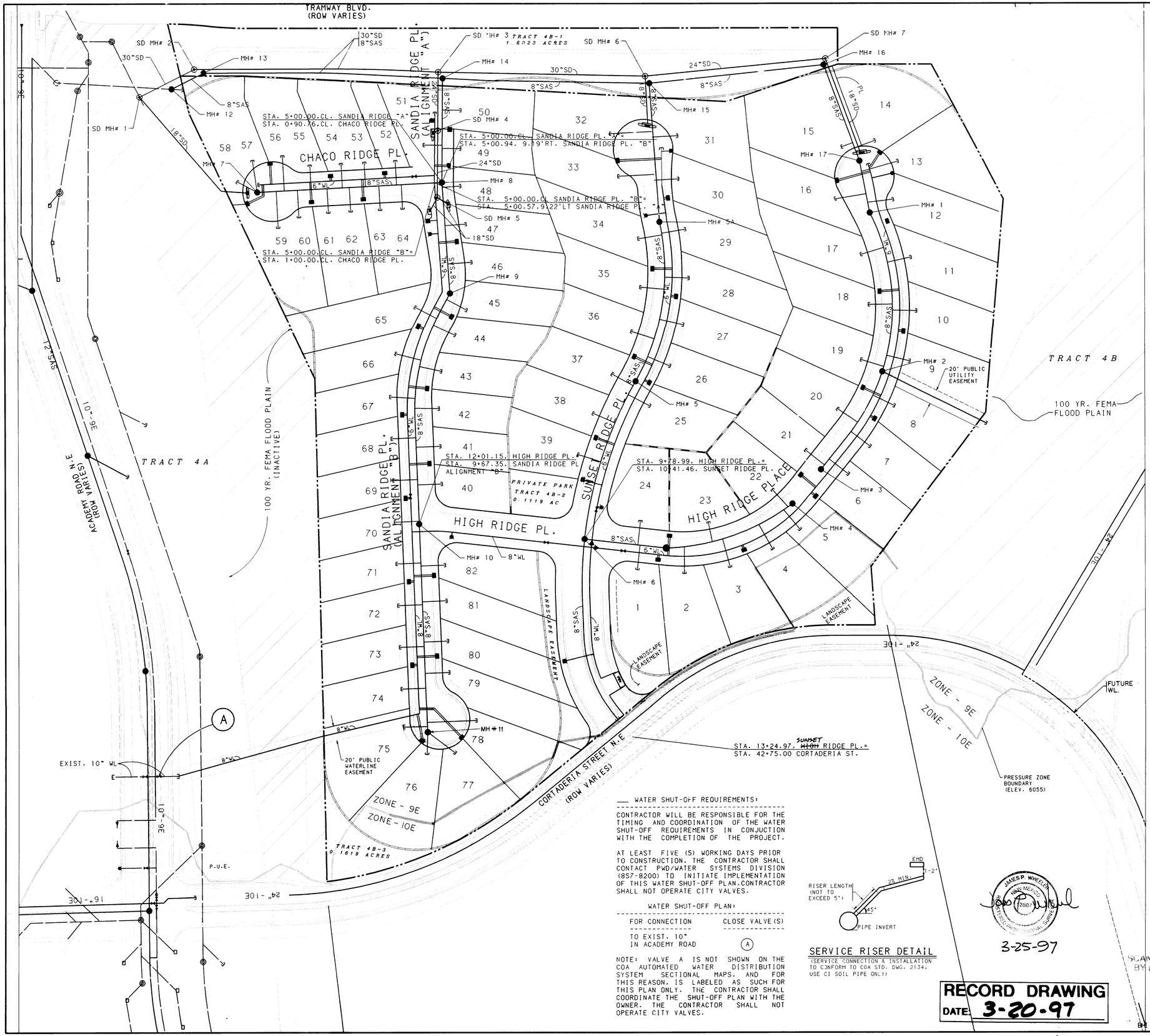
DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

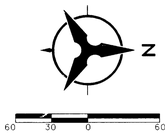
CITY PROJECT NO. 553481 | ZONE MAP NO. E-23 | SHEET 10 OF 18

USERNAME: CDP5:[96221A2440.PNP]SANDIA-PNP.GRF

BHI JOB NO. 96221A2440

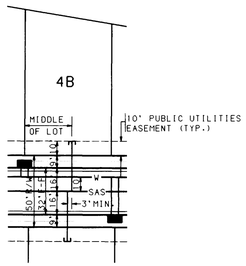
26-5539.81 1097





LEGEND

- PROJECT BOUNDARY
- PROPOSED CURB & GUTTER
- EXISTING CURB & GUTTER
- FUTURE SIDEWALK
- PROPOSED SANITARY SEWER LINE — SAS
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER SERVICE
- EXISTING SANITARY SEWER LINE — SAS
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED WATER LINE — W
- PROPOSED GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER METER SERVICE
- EXISTING WATER LINE — W
- EXISTING GATE VALVE
- EXISTING FIRE HYDRANT
- 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



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 CONJUCTION WITH THE COMPLETION OF THE PROJECT.

AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT PWD/WATER SYSTEMS DIVISION (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN. CONTRACTOR SHALL NOT OPERATE CITY VALVES.

WATER SHUT-OFF PLAN:

FOR CONNECTION	CLOSE VALVE(S)
TO EXIST. 10" IN ACADEMY ROAD	(A)

NOTE: VALVE A IS NOT SHOWN ON THE COA AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, AND FOR THIS REASON, IS LABELED AS SUCH FOR THIS PLAN ONLY. THE CONTRACTOR SHALL COORDINATE THE SHUT-OFF PLAN WITH THE OWNER. THE CONTRACTOR SHALL NOT OPERATE CITY VALVES.

SERVICE RISER DETAIL

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

JAMES P. WHEELER NEW MEXICO 7867 REGISTERED PROFESSIONAL SURVEYOR

3-25-97

RECORD DRAWING
DATE: 3-20-97

SCANNED BY BY LASON

AS-BUILT INFORMATION

CONTRACTOR: CCM, Inc.
STAKED BY: BHI — DATE: 3/97
INSPECTED BY: BHI — DATE: 3/97
FIELD LOCATION BY: BHI — DATE: 3/97
VERIFICATION BY: BHI — DATE: 3/97
CORRECTED BY: BHI — DATE: 3/97

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

STATION IS A STANDARD UCC & GS BRASS DISK STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0-2 FEET ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

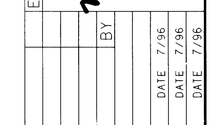
SURVEY INFORMATION

GEOLOGICAL SURVEY BENCH MARK. TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0-2 FEET ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

FIELD NOTES

NO	BY	DATE

ENGINEER'S SEAL



9/18/96

NO.	DATE	REMARKS	BY	DATE
		REVISIONS		
		DESIGN	KGP/BJS	7/96
		DESIGNED BY	BS	7/96
		DRAWN BY	KP	7/96
		CHECKED BY		

26-5534.B1 10/97

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL - TRACT 4B

UTILITY PLAN

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
553481	E-23	11	18

BH JOB NO. 96221A2440

DATE: AUGUST, 1996

CDP5:[C96221A2440.PAD]OVERALL-UTIL.GRF

SAS CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C3	10+13.12	8°20'48.6"	40.13'	80.12'	550.00'
C4	10+82.55	8° 32'45.4"	41.09'	82.04'	550.00'
C5	12+30.50	37° 09'46.0"	60.51'	116.76'	180.00'

SAS TANGENT DATA TABLE		
NUMBER	BEARING	DISTANCE
T3	N87°49'48"E	46.49'
T4	S50°39'59"W	8.23'

STA. 10+41.46 SUNSET RIDGE PLACE =
STA. 9+78.99 HIGH RIDGE PLACE

MH#6
STA. 10+41.46 SUNSET RIDGE PLACE =
STA. 9+78.99 HIGH RIDGE PLACE
BUILD 1 - 4' DIA.
TYPE "C" MH

MATCHLINE STA. 9+85.00
SEE SHEET 13 OF 18

STA. 9+95.30, 10'LT.
INSTALL
1 - 6"x 6" TEE
APPROX. 6LF 6" PVC
1 - FIRE HYDRANT 4' BURY
AS PER STD. DWG. 2340
FLANGE ELEV. = 6046.43
w/ BLOCKING

STA. 9+99.30, 10' LT.
INSTALL
1 - 6" GATE VALVE w/
TYPE "B" BOX & LID

HIGH RIDGE PLACE
SEE SHEET 16 OF 18

STA. 11+91.27, 0' LT. & 36'RT.
INSTALL
1 - 6" & 2 - 4"
IRRIGATION CONDUITS
@ APPROX. 4' BELOW TC

STA. 12+71.58, 36' LT. & RT.
INSTALL
1 - 6" & 2 - 4"
IRRIGATION CONDUITS
@ APPROX. 4' BELOW TC

SEE SHEET 18B OF 18
FOR PRV DETAILS

CORTADERIA STREET
SEE PROJECT NO. 554981

Sta. 12+90.5
Conduits installed:
2-4" PVM
2-2" Jones
1-4" US West
2-4" PVMG

STA. 13+24.97 SUNSET RIDGE PLACE =
STA. 42+75.00 CORTADERIA STREET

EXIS. 24" ZONE 10E WL

ZONE 10E
ZONE 9E
PRV

DASHED VALVE AND WL BY OTHERS

~~STA. 12+94.97, 10' LT. SUNSET RIDGE =~~
~~STA. 42+75.00, 30' LT. CORTADERIA STREET~~
~~INSTALL~~
~~1 - 8" CAP~~
~~w/BLOCKING~~
~~SEE NOTE BELOW~~

Approx. Sta. 10+90.45
Conduits installed:
1-4" PVM
1-1½" Jones
1-4" US West

1-4" Irrigation conduit, Cortaderia St., Sta. 43+53, 3' below TC. 2-4" Gas 3.0' below TC, Sta. 43+54.5

STA. 12+94.97, CENTERLINE
INSTALL
1 - 8" SAS PLUG
SEE NOTE BELOW

NOTE:
CONTRACTOR SHALL COORDINATE WATER AND SAS CONNECTION WITH CONSTRUCTION OBSERVER IF WATERLINE STUB-OUT EXIST IN CORTADERIA, CONTRACTOR SHALL ENSURE THAT PROPOSED GATE VALVE IS CLOSED PRIOR TO CONNECTION.

STA. 12+61.00, 10' LT.
INSTALL
1 - 8" 90° BEND

STA. 12+34.00, 10' LT.
INSTALL
1 - 8" 90° BEND

NOTE:
FOR FURTHER INFORMATION ON THE EXISTING WATERLINE SEE COA PROJECT # 5004.90

STA. 12+00.00, 10' LT.
INSTALL
1 - 1" LANSCAPE SERVICE LINE & METER

STA. 10+51.63, 10' LT. SUNSET RIDGE =
STA. 9+68.92, 10' LT. HIGH RIDGE PL.
INSTALL
1 - 8"x 8" TEE
2 - 8"x 6" REDUCERS
w/ RESTRAINED JOINTS

Approx. Sta. 10+76

6"WL (C6) (C3) 6"WL (C7) 8" ZONE 9E WL (C4) 8"WL (T5) (T3) (C8) (C5) (T6) (C9) (T4)

79 80 81 82

SUNSET RIDGE PLACE

WATERLINE TANGENT DATA TABLE		
NUMBER	BEARING	DISTANCE
T5	N87°49'48"E	46.49'
T6	S50°39'59"W	8.23'

WATERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C6	9+34.06	24°25'13.2"	116.85'	230.16'	540.00'
C7	10+86.96	7°29'14.2"	35.33'	70.57'	540.00'
C8	12+00.54	20°22'28.0"	30.55'	60.45'	170.00'
C9	12+73.36	8°18'57.4"	12.36'	24.67'	170.00'

N

20 10 0 20
SCALE: 1" = 20'
(HORIZ.)

6080 6070 6060 6050 6040 6030 6020 6010 6000

MATCHLINE STA. 9+85.00
SEE SHEET 13 OF 18

EXISTING GROUND AT CENTERLINE OF PROPOSED STREET

PROPOSED TOP OF CURB, RT. & LT.

9+95.30 TP 42.22
9+99.30 TP 42.34
10+51.30 TP 43.91
11+69.99 TP 46.57
12+34.00 TP48.00
12+61.00 TP48.~~02~~ .89
~~12+94.97~~ ~~TP 47.40~~
13+08.97 TP OF EXIST. 24" WL 43.97 ~~47.1 +/-~~

C-900 PVC 6"WL
3' MIN COVER
8"WL - C-900 PVC

224.25LF 8" SAS - SDR 35 PVC
(220.25LF @ S=3.14%)

253.51LF 8" SAS - SDR 35 PVC
@ S = 0.974%
(251.51 LF)

Sta. 12+66
Install 1-45° Vert. Bend
TP 48.89

Sta. 12+71
Install 1-45° Vert. Bend

MH #6
STA. 10+41.46, CENTERLINE
BUILD 4' DIA. TYPE "C" MANHOLE
RIM ELEV. = 6046.40
INV(W) 40.80
INV(E) 40.90

10+51.63, 10'LT. SUNSET RIDGE PL =
9+68.92, 10'LT. HIGH RIDGE PL.
TEE - TP43.92

STA. 12+94.97 CENTERLINE
INSTALL 8" SAS PLUG
INV 43.37

9+60 10+00 10+40 10+80 11+20 11+60 12+00 12+40 12+80 13+20 13+60

SCALE: 1" = 20' (HORIZ.)
1" = 10' (VERT.)

6080

NOTES

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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. SUFFIX "R" INDICATES ROLLED CURB.

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

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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.

RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED (6")	(8")
~~11.25° H BEND~~	2'	3'
~~22.50° H BEND~~	4'	5'
~~45° H BEND~~	8'	11'
90° H BEND	20'	26'
GATE VALVE	55'	72'
BIRFLY VALVE	---	---
REDUCER (8"x6")	30'	30'

NOTE:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF 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.
5. ALL CAPS SHALL UTILIZE PCC BLOCKING

ENGINEER'S SEAL — JAMES P. WHEELER — NEW MEXICO — 12607 — REGISTERED PROFESSIONAL SURVEYOR

3-25-97

RECORD DRAWING
DATE: 3-20-97

AS-BUILT INFORMATION
CONTRACTOR: CCM, Inc. DATE: 3/97
STAKED BY: BHI DATE: 3/97
INSPECTED BY: BHI DATE: 3/97
FIELD LOCATION BY: BHI DATE: 3/97
DRAWINGS CORRECTED BY: BHI DATE: 3/97

BENCH MARKS
STATION IS A STANDARD UCGLO BRASS GEOLOGICAL SURVEY BENCH MARK. TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

SURVEY INFORMATION
FIELD NOTES
DATE BY

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 8/96
		DESIGNED BY KP, BS	DATE 8/96
		DRAWN BY OR	DATE 8/96
		CHECKED BY JRT	

ENGINEER'S SEAL

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

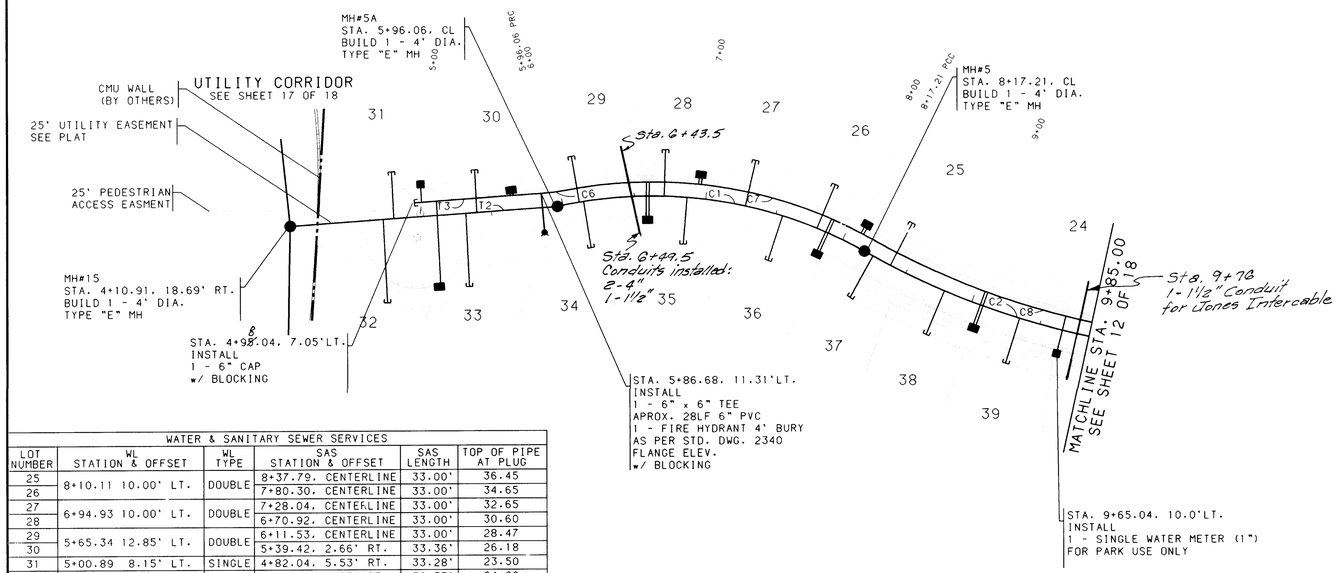
CHAMISA TRAIL AT HIGH DESERT
UTILITY PLAN & PROFILE
SUNSET RIDGE PLACE

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

CITY PROJECT NO. 553481
ZONE MAP NO. E-23
SHEET 12 OF 18

BHI JOB NO. c96221a2440

USERNAME: CDP5:[C95221A2440.PNP]SUNSET20-PNP.GRF



SAS CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C4	7+11.93	42°14'10.6"	115.87'	221.15'	300.00'
C5	9+30.91	23°21'41.5"	113.71'	224.25'	550.00'

WATERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C6	5+95.03	6°27'32.1"	11.28'	22.55'	200.00'
C7	7+20.01	40°16'14.3"	113.66'	217.88'	310.00'
C8	9+34.06	24°25'13.3"	116.85'	230.16'	540.00'

SAS TANGENT DATA		
NUMBER	BEARING	DISTANCE
T2	N85°55'34"E	186.58'

WATERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T3	N85°55'34"E	85.75'

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
25	8+10.11 10.00' LT.	DOUBLE	8+37.79. CENTERLINE	33.00'	36.45
26			7+80.30. CENTERLINE	33.00'	34.65
27	6+94.93 10.00' LT.	DOUBLE	7+28.04. CENTERLINE	33.00'	32.65
28			6+70.92. CENTERLINE	33.00'	30.60
29	5+65.34 12.85' LT.	DOUBLE	6+11.53. CENTERLINE	33.00'	28.47
30			5+39.42. 2.66' RT.	33.36'	26.18
31	5+00.89 8.15' LT.	SINGLE	4+82.04. 5.53' RT.	33.28'	23.50
32	5+09.46 9.61' LT.	DOUBLE	4+74.78. 6.87' RT.	58.37'	24.29
33			5+31.76. 2.15' RT.	51.40'	26.21
34	6+59.58 10.00' LT.	DOUBLE	6+14.53. CENTERLINE	33.00'	28.56
35			6+87.00. CENTERLINE	33.00'	31.18
36	7+87.98 10.00' LT.	DOUBLE	7+54.74. CENTERLINE	33.00'	33.84
37			8+24.04. CENTERLINE	33.00'	36.02
38	9+07.28 10.00' LT.	DOUBLE	8+79.59. CENTERLINE	33.00'	37.77
39			9+35.20. CENTERLINE	33.00'	39.51

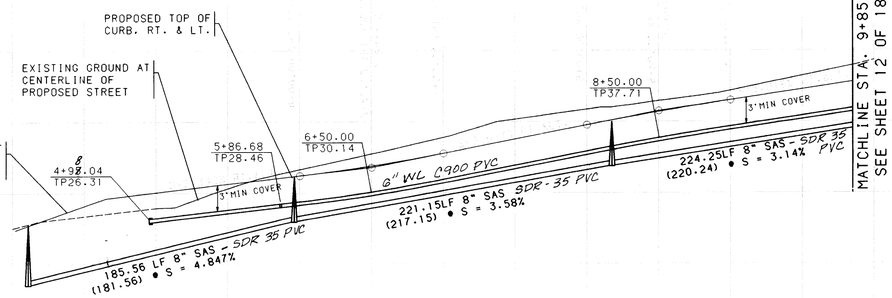
SUNSET RIDGE PLACE

N

50 25 0 50

SCALE: 1" = 50' (HORIZ.)

6070



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. SUFFIX "R" INDICATES ROLLED CURB.
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.
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12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

RESTRAINED JOINT TABLE

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GATE VALVE	55'	72'
BTRFLY VALVE	---	---
REDUCER (8"x6")	30'	30'

NOTE:
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5. ALL CAPS SHALL UTILIZE PCC BLOCKING

JAMES P WHEELER — NEW MEXICO — 12641 — REGISTERED PROFESSIONAL SURVEYOR

3-25-97

RECORD DRAWING
DATE: 3-20-97

AS-BUILT INFORMATION

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS
GEOLOGICAL SURVEY BENCH MARK. TOP
TABLET STAMPED "TUMBLE 1969" SET IN
CONCRETE PROJECTING 0.2 FEET ABOVE
GROUND. LOCATED 489 FEET WEST OF
THE INTERSECTION OF SAN ANTONIO
DRIVE AND TENNYSON STREET, AND 35
FEET NORTH OF RIGHT-OF-WAY LINE
OF SAN ANTONIO DR. ELEV.=6009.155

CONTRACTOR CCM, Inc.
STAKED BY BHI DATE 3/97
INSPECTOR'S FIELD COMPLIANCE BY BHI DATE 3/97
FIELD VERIFICATION BY BHI DATE 3/97
CORRECTIONS COMPLETED BY BHI DATE 3/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
SURVEY INFORMATION
FIELD NOTES
NO. DATE BY

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY KP, BS	DATE 8/96
		DRAWN BY BS, OR	DATE 8/96
		CHECKED BY JRT	DATE 8/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL AT HIGH DESERT
UTILITY PLAN & PROFILE
SUNSET RIDGE PLACE

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

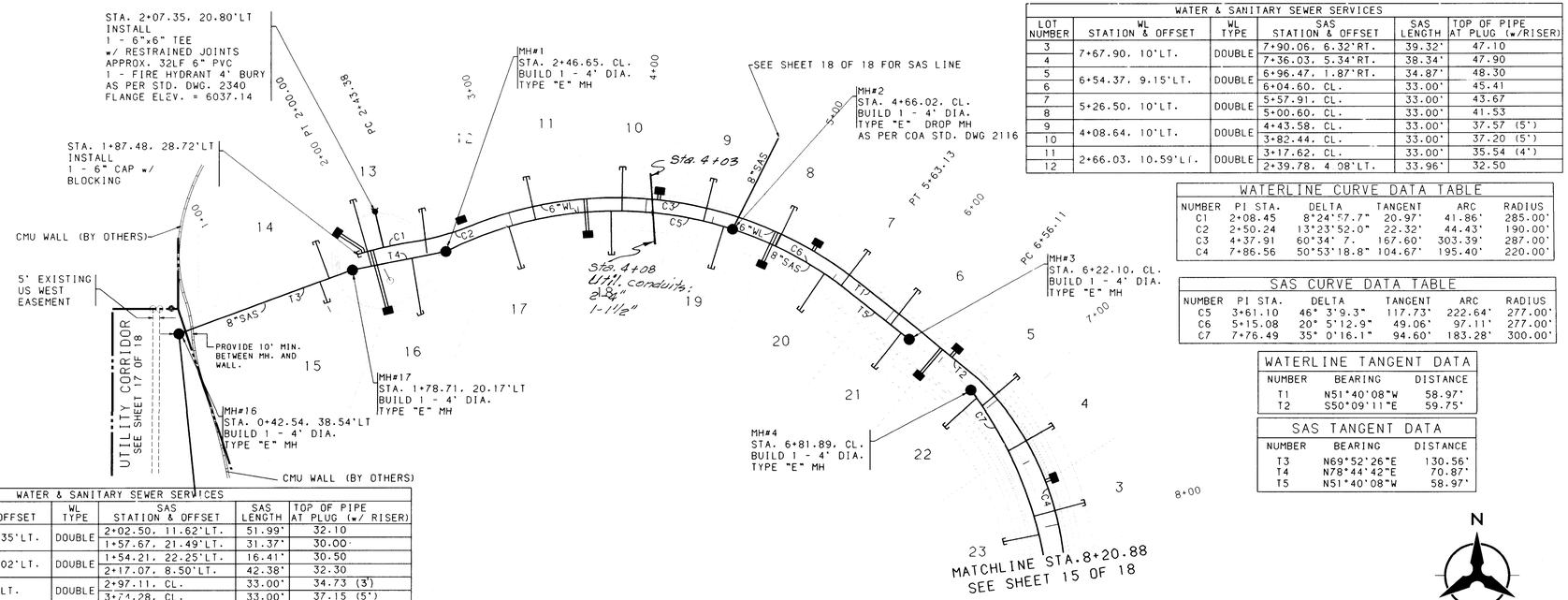
CITY PROJECT NO. 553481 | ZONE MAP NO. E-23 | SHEET 13 OF 18

DATE: JULY, 1996

BHI JOB NO. C96221A2440

USERNAME: CDP:[C96221A2440.PNP]SUNSET-PNP.GRF

26-553491.3/1 1/3/97



WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (w/ RISER)
13	1+91.17. 24.35'LT.	DOUBLE	2+02.50. 11.62'LT.	51.99'	32.10
14			1+57.67. 21.49'LT.	31.37'	30.00
15	1+97.25. 23.02'LT.	DOUBLE	1+54.21. 22.25'LT.	16.41'	30.50
16			2+17.07. 8.50'LT.	42.38'	32.30
17	3+55.85. 10'LT.	DOUBLE	2+97.11. CL.	33.00'	34.73 (3')
18			3+74.28. CL.	33.00'	37.15 (5')
19	4+96.81. 10'LT.	DOUBLE	4+59.14. CL.	33.00'	37.66 (5')
20			5+42.43. CL.	33.00'	43.09
21	6+45.28. 9.39'LT.	DOUBLE	6+14.59. CL.	33.00'	45.98
22			6+89.23. 0.98'RT.	~~33'~~ ~~32.02'~~	~~45.78~~ 48.01
23	SEE SHEET 15 OF 18	DOUBLE	8+04.88. 5.82'RT.	27.18'	46.20.

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (w/RISER)
3	7+67.90. 10'LT.	DOUBLE	7+90.06. 6.32'RT.	39.32'	47.10
4			7+36.03. 5.34'RT.	38.34'	47.90
5	6+54.37. 9.15'LT.	DOUBLE	6+96.47. 1.87'RT.	34.87'	48.30
6			6+04.60. CL.	33.00'	45.41
7	5+26.50. 10'LT.	DOUBLE	5+57.91. CL.	33.00'	43.67
8			5+00.60. CL.	33.00'	41.53
9	4+08.64. 10'LT.	DOUBLE	4+43.58. CL.	33.00'	37.57 (5')
10			3+82.44. CL.	33.00'	37.20 (5')
11	2+66.03. 10.59'LT.	DOUBLE	3+17.62. CL.	33.00'	35.54 (4')
12			2+39.78. 4.08'LT.	33.96'	32.50

WATERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	2+08.45	8°24'57.7"	20.97'	41.86'	285.00'
C2	2+50.24	13°23'52.0"	22.32'	44.43'	190.00'
C3	4+37.91	60°34' 7.	167.60'	303.39'	287.00'
C4	7+86.56	50°53'18.8"	104.67'	195.40'	220.00'

SAS CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C5	3+61.10	46° 3'9.3"	117.73'	222.64'	277.00'
C6	5+15.08	20° 5'12.9"	49.06'	97.11'	277.00'
C7	7+76.49	35° 0'16.1"	94.60'	183.28'	300.00'

WATERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N51°40'08"W	58.97'
T2	S50°09'11"E	59.75'

SAS TANGENT DATA		
NUMBER	BEARING	DISTANCE
T3	N69°52'26"E	130.56'
T4	N78°44'42"E	70.87'
T5	N51°40'08"W	58.97'

NOTES

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

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45° H BEND	8'	11'
90° H BEND	20'	26'
GATE VALVE	55'	72'
BTRFLY VALVE	---	---
REDUCER (8"x6")	30'	30'

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5. ALL CAPS SHALL UTILIZE PCC BLOCKING

AS-BUILT INFORMATION

BENCH MARKS
STATION IS A STANDARD USCG&S BRASS DISK
GEOLOGICAL SURVEY BENCH MARK. TOP OF CURB
TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET. AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

CONTRACTOR: CCMI, Inc.
STAKED BY: BHI DATE: 3/97
INSPECTOR'S FIELD TAKE BY: BHI DATE: 3/97
FIELD VERIFICATION BY: BHI DATE: 3/97
CORRECTED BY: BHI DATE: 3/97
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

ENGINEER'S SEAL
9/18/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 8/96
		DESIGNED BY KP, BS	DATE 8/96
		DRAWN BY JAU	DATE 8/96
		CHECKED BY JRT	

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL AT HIGH DESERT
UTILITY PLAN & PROFILE
HIGH RIDGE PLACE

JAMES P. WHEELER
NEW MEXICO
9889
REGISTERED PROFESSIONAL SURVEYOR
3-25-97

RECORD DRAWING
DATE: 3-20-97

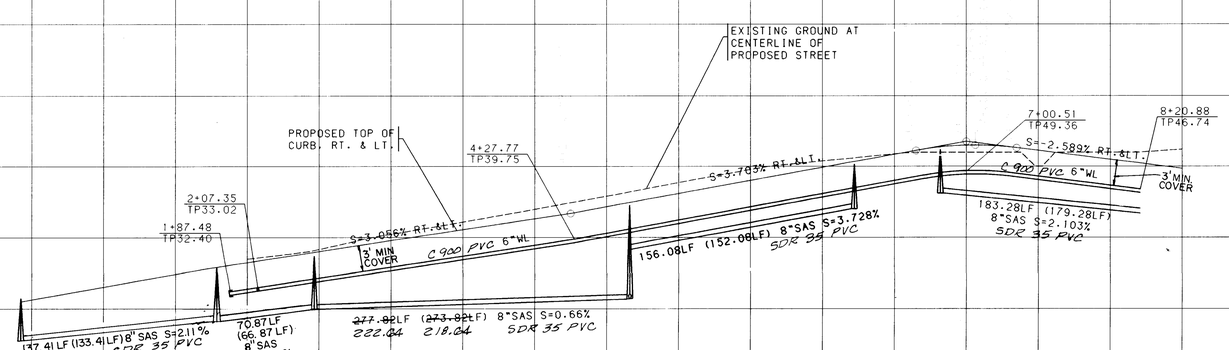
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR	YO./DAY/YR

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
553481	E-23	14	18

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

BHI JOB NO. 96221A2440

SCANNED BY
BY LASON



USERNAME: CDP5:[C96221A2440.PNP]HIGH1-PNP.GRF

WATERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	7+86.56	50°53'18.8"	104.67'	195.40'	220.00'
C2	11+73.29	8°25'22.7"	13.99'	27.93'	190.00'

SAS CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C3	7+16.49	35° 0'16.1"	94.60'	183.28'	300.00'

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
51	SEE SHEET 16 OF 18	SINGLE	SEE SHEET 16 OF 18	-----	-----
52	1+66.17, 10'RT.	DOUBLE	1+51.16, CL.	33.00'	6019.78(5')
53			1+93.24, CL.	33.00'	6021.10(5')
54	2+39.83, 10'RT.	DOUBLE	2+24.80, CL.	33.00'	6019.94(5')
55			2+66.88, CL.	33.00'	6018.84(3')
56	3+20.30, 10'RT.	DOUBLE	3+03.15, CL.	47.39'	6017.60
57			3+39.67, N81°24'00"E	43.60	6017.17

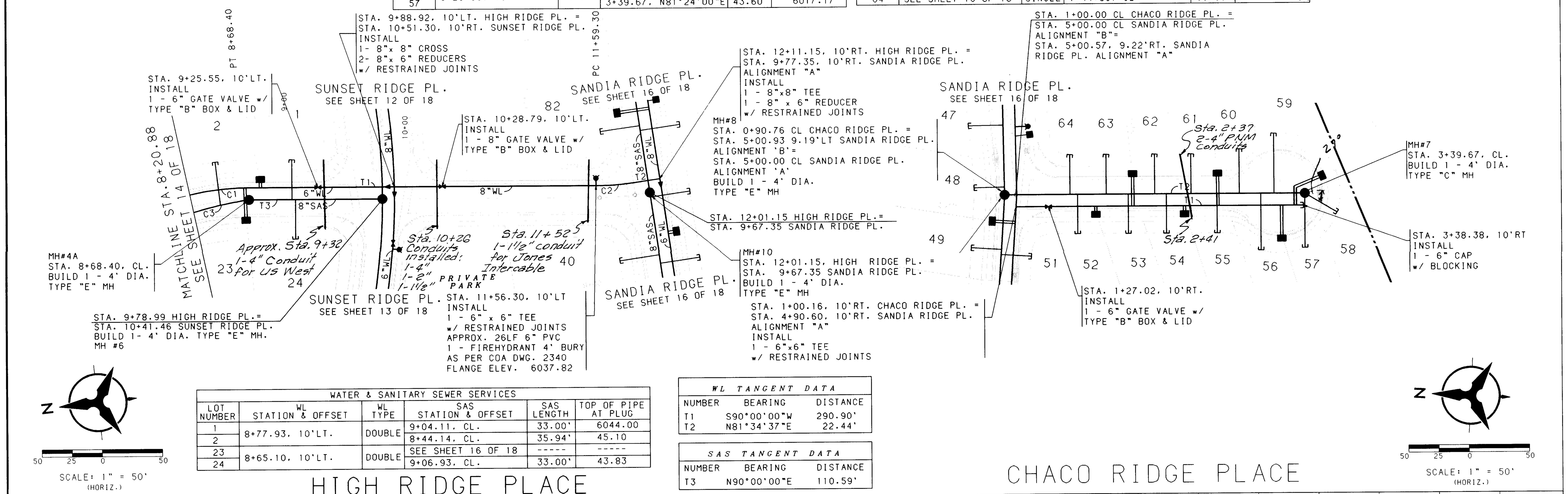
RISERS

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
58	3+31.78, 10'RT.	DOUBLE	3+39.67, N27°38'08"E	31.18'	6016.89
59			3+14.06, CL.	49.75'	6017.26
60	2+67.54, 10'RT.	DOUBLE	2+85.37, CL.	36.92'	6018.41(2')
61			2+45.41, CL.	33.00'	6019.77(4.5')
62	1+97.04, 10'RT.	DOUBLE	2+15.25, CL.	33.00'	6020.17(5')
63			1+75.05, CL.	33.00'	6019.93(5')
64	SEE SHEET 16 OF 18	SINGLE	1+44.89, CL.	33.00'	6019.75(5')

RISERS

WL TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N90°00'00"E	238.22'

SAS TANGENT DATA		
NUMBER	BEARING	DISTANCE
T2	N90°00'00"E	256.93'



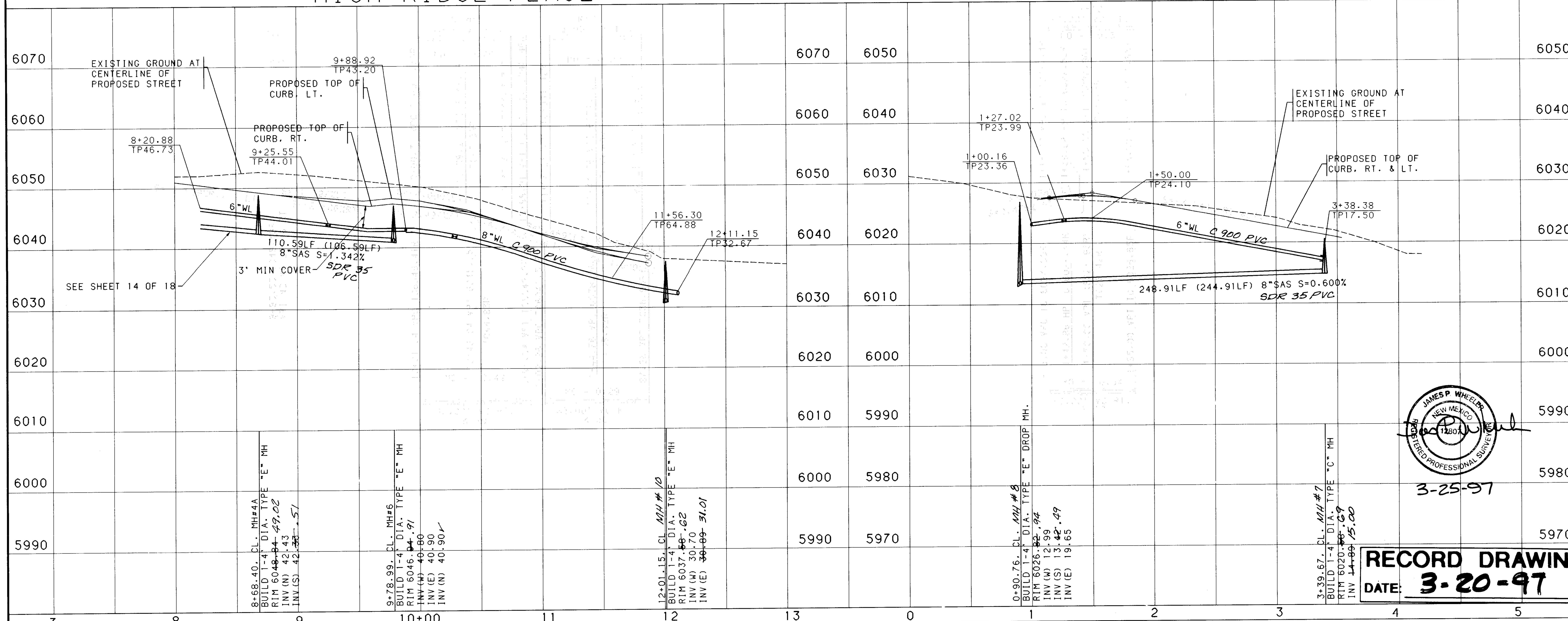
WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
1	8+77.93, 10'LT.	DOUBLE	9+04.11, CL.	33.00'	6044.00
2			8+44.14, CL.	35.94'	45.10
23	8+65.10, 10'LT.	DOUBLE	SEE SHEET 16 OF 18	-----	-----
24			9+06.93, CL.	33.00'	43.83

WL TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S90°00'00"W	290.90'
T2	N81°34'37"E	22.44'

SAS TANGENT DATA		
NUMBER	BEARING	DISTANCE
T3	N90°00'00"E	110.59'

HIGH RIDGE PLACE

CHACO RIDGE PLACE



RECORD DRAWING
DATE: 3-20-97

NOTES

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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. SUFFIX "R" INDICATES ROLLED CURB.
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.

RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED (6")	(8")
11.25° H BEND	2'	3'
22.50° H BEND	4'	5'
45° H BEND	8'	11'
90° H BEND	20'	26'
GATE VALVE	55'	72'
BTRFLY VALVE	---	---
REDUCER (8"x6")	30'	30'

NOTE:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF 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.
5. ALL CAPS SHALL UTILIZE PCC BLOCKING

AS-BUILT INFORMATION
CONTRACTOR CCM, Inc.
WORK STAKED BY BHI DATE 3/97
INSPECTOR'S ACCEPTANCE BY BHI DATE 3/97
FIELD VERIFICATION BY BHI DATE 3/97
DRAWINGS CORRECTED BY BHI DATE 3/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION IS A STANDARD UCCAGS BRASS GEOLOGICAL SURVEY BENCH MARK. TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET. AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

SURVEY INFORMATION
FIELD NOTES
BY DATE

ENGINEER'S SEAL
9/8/96

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY KP, BS DATE 8/96
DRAWN BY JAO DATE 8/96
CHECKED BY JRT DATE 8/96

JAMES P. WHEELER NEW MEXICO 11800 REGISTERED PROFESSIONAL SURVEYOR
3-25-97

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL AT HIGH DESERT
UTILITY PLAN & PROFILE
HIGH RIDGE PL. & CHACO RIDGE PL.

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
553481	E-23	15	18

USERNAME: CDP:[C96221A2440.PNP]HIGH-CHACO-PNP.GRF

BHI JOB NO. 96221A2440

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
40	8+86.60. 10'RT.	DOUBLE	9+14.63. CL.	33.00'	31.78
41			8+64.09. CL.	33.00'	30.21
42	7+83.11. 8.01'RT.	DOUBLE	8+12.02. 0.30'LT.	32.74'	28.94
43			7+55.01. 2.66'LT.	30.34'	27.64.90
44	6+73.49. 9.70'RT.	DOUBLE	6+96.11. 0.51'LT.	32.55'	26.25
45			~~6~~+57.64. 2.57'LT.	30.95'	~~23~~.29 5

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
64	5+49.95. 4.96'RT.	SINGLE	SEE SHEET 15 OF 18	-----	-----
65	7+05.78. 8.85'RT.	DOUBLE	6+86.17. CL.	33.00'	26.19
66			7+46.01. 2.64'LT.	35.64'	27.55
67	8+20.07. 9.96'RT.	DOUBLE	7+98.66. 1.16'LT.	34.22'	28.63
68			8+51.48. CL.	33.00'	29.90
69	9+32.02. 10'RT.	DOUBLE	9+07.47. CL.	33.00'	31.60
70			9+63.47. CL.	33.00'	33.10
71	10+43.95. 10'RT.	DOUBLE	10+19.47. CL.	33.00'	35.16
72			10+75.46. CL.	33.00'	37.71
73	11+55.96. 10'RT.	DOUBLE	11+31.46. CL.	33.00'	40.25
74			11+87.46. CL.	33.00'	42.80

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
75	12+21.77. 12.78'RT.	DOUBLE	12+38.42. CL.	32.28'	45.75
76			2+46.43. N88°38'12"W	29.91'	46.56
77	12+14.64. 10'RT.	DOUBLE	2+46.43. S37°07'25"W	46.87'	46.94
78			12+33.29. CL.	66.89'	45.56
79	11+45.03. 10'RT.	DOUBLE	11+67.58. CL.	33.00'	42.23
80			11+25.58. CL.	33.00'	39.98
81	10+36.78. 10'RT.	DOUBLE	10+71.46. CL.	33.00'	37.52
82			10+23.52. CL.	33.00'	35.34

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG w/ RISER
46	5+80.06. 7.49'RT.	DOUBLE	6+10.08. 0.12'LT.	32.91'	24.50
47			5+58.70. 4.34'LT.	28.76'	23.40
48	4+77.48. 10'RT.	DOUBLE	5+07.42. 8.65'LT.	25.18'	22.20
49			4+54.21. CL.	25.25'	19.60 (5')
50	4+15.57. 10'RT.	DOUBLE	4+02.74. CL.	25.25'	19.00 (5')
51			3+49.93. CL.	25.25'	19.50 (5')

WL TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S89°28'01"E	86.90'
T2	N85°59'44"E	138.79'
T3	S62°03'43"E	31.48'
T4	N87°49'49"E	142.51'
T5	N87°49'49"E	253.89'

SAS TANGENT DATA		
NUMBER	BEARING	DISTANCE
T6	S89°28'01"E	139.81
T7	N85°59'44"E	149.18'
T8	S62°03'43"E	31.47'
T9	N87°49'49"E	142.51'
T10	N87°49'49"E	279.09'

WATERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	5+00.39	4°32'14.8"	7.92'	15.84'	200.00'
C2	7+55.79	30° 6'28.5"	76.65'	149.76'	285.00'

SAS CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C3	7+53.36	30° 6'28.5"	73.96'	144.51'	275.00'

MH#8
STA. 5+00.94. 9.19LT SANDIA RIDGE PL. LINE "B"=
STA. 0+90.76. CL. CHACO RIDGE PL.
BUILD 1 - 4' DIA.
TYPE "E" DROP MH. PER COA STD. DWG. 2116

STA. 5+00.00. CL. SANDIA RIDGE PL. LINE "B"=
STA. 1+00.00. CL. CHACO RIDGE PL.

STA. 5+00.00. CL.
SANDIA RIDGE PL. LINE "A"=
STA. 0+90.76. CL.
CHACO RIDGE PL.

MH#14
STA. 3+60.19. CL.
SANDIA RIDGR PL.
LINE "B" =
STA. 5+70.49. CL.
UTILITY CORRIDOR
BUILD 1 - 4' DIA
TYPE "E" SAS MH.

STA. 4+05.57. 10'RT
INSTALL
1 - 6" CAP
w/ BLOCKING

STA. 4.90.03. 0.78'RT SANDIA RIDGE PL. =
STA. 1+00.16. 10'LT CHACO RIDGE PL.
INSTALL
1 - 6"x6" TEE
w/ RESTRAINED JOINTS

STA. 5+55.90. 5.46'RT
INSTALL
1 - 6"x6" TEE
w/ RESTRAINED JOINTS
APPROX. 11LF 6" PVC
1 - FIRE HYDRANT 4' BURY
AS PER STD. DWG. 2340
FLANGE ELEV. = 6028.33

STA. 6+48.82. 5.58'RT
INSTALL
1 - 6" 11.25° BEND
1 - 6" 22.5° BEND
w/ RESTRAINED JOINTS

MH#10
STA. 9+67.35. CL. SANDIA RIDGE PL. =
STA. 12+01.15. CL. HIGH RIDGE PL.
BUILD 1 - 4' DIA.
TYPE "E" MH

STA. 9+27.02. 9.93'RT
INSTALL
1 - 6" GATE VALVE w/
TYPE "B" BOX & LID

MH#9
STA. 6+48.83. 4.82LT.
BUILD 1 - 4' DIA.
TYPE "E" MH

STA. 9+67.35 SANDIA RIDGE PL.=
STA. 12+01.15 HIGH RIDGE PL.

STA. 9.77.35. 10'RT SANDIA RIDGE PL. =
STA. 12+11.15. 10'LT HIGH RIDGE PL.
INSTALL
1 - 8"x 8" TEE. 1- 8"x 6" REDUCER
w/ RESTRAINED JOINTS

MH#11
STA. 12+46.43. CL.
BUILD 1 - 4' DIA.
TYPE "E" MH

8"WL CONNECTION
TO ACADEMY ROAD
SEE SHEET 18 OF 18

STA. 12+21.24. 10'RT
INSTALL
1 - 8" 90° BEND &
~~1 - 8" 11.25° BEND~~ (Not Installed)
w/ RESTRAINED JOINTS

Sta. 9+70
Conduits installed:
1-4" PVM
1-4" 45 West
1-1½" Jones

Sta. 7+15
2-1½" Conduits
for Jones Int.

UTILITY CORRIDOR
SEE SHEET 17 OF 18

CMU WALL
(BY OTHERS)

CHACO RIDGE PL.
SEE SHEET 15 OF 18

HIGH RIDGE PL.
SEE SHEET 4 OF 18

SANDIA RIDGE PLACE

SCALE: 1" = 50' (HORIZ.)

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
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3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
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12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED (6")	(8")
11.25° H BEND	2'	3'
22.50° H BEND	4'	5'
45° H BEND	8'	11'
90° H BEND	20'	26'
GATE VALVE	55'	72'
BTRFLY VALVE	---	---
REDUCER (8"x6")	30'	30'

NOTE:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF 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.
5. ALL CAPS SHALL UTILIZE PCC BLOCKING

AS-BUILT INFORMATION
CONTRACTOR: CMU Inc. DATE: 3/97
STAKED BY: BHI INSPECTOR'S INITIALS: DATE: 3/97
FIELD VERIFICATION BY: BHI DATE: 3/97
REVISIONS REQUIRED BY: DATE:
CORRECTED BY: BHI DATE: 3/97

BENCH MARKS
STATION IS A STANDARD UCC&GS BRASS GEOLOGICAL SURVEY BENCH MARK. TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET. A.I.D 35 FEET NO°TH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

SURVEY INFORMATION
FIELD NOTES
DATE
BY
NO.

MICRO-FILM INFORMATION
DATE
RECORDED BY
NO.

ENGINEER'S SEAL
JAMES P. WHEELER
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
9/10/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY KP. BS	DATE 9/96
		DRAWN BY JAO	DATE 9/96
		CHECKED BY JRT	DATE 9/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL AT HIGH DESERT
UTILITY PLAN & PROFILE
SANDIA RIDGE PLACE

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

CITY PROJECT NO. 553481 | ZONE MAP NO. E-23 | SHEET 16 OF 18

BHI JOB NO. 96221A2140

JAMES P. WHEELER
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
3-25-97

RECORD DRAWING
DATE: 3-20-97

EXISTING GROUND
EXISTING GROUND AT CENTERLINE OF PROPOSED STREET
PROPOSED TOP OF CURB. RT. & LT.

4+05.57 TP22.68
STA 4+33.53. 13.75'RT 18" RCP SD INV. 18.2
139.81LF (135.81LF) 8"SAS S=0.60% SDR 35 PVC
3' MIN. COVER
6"WL
5+23.52. 2.74'RT 18" RCP SD INV 21.20
5+26.16. 7.07'LT 18" RCP SD. INV. 6021.90
149.19LF (145.18LF) 8"SAS S=2.24% SDR 35 PVC
5+55.90 TP24.23
6+48.82 TP26.13
318.49LF (314.49LF) 8"SAS @ S=2.45% SDR 35 PVC
8"WL C 900 PVC
9+27.02 TP32.71
9+77.35 TP34.55
279.08LF (275.08LF) 8"SAS @ S=4.55% SDR 35 PVC
12+21.24 TP 45.54

MH#14 3+60.19. CL. BUILD 1-4' DIA. TYPE "E" MH RIM 6037.47 INV (S) 12.07.41 INV (E) 12.17 INV (N) 12.17
MH#8 5+00.94. 9.19'LT. BUILD 1-4' DIA. TYPE "E" DROP MH. RIM 6026.82.94 INV (W) 12.99 INV (E) 19.65 INV (S) 13.42.49
5+00.94. 9.19'LT. MH#8 BUILD 1-4' DIA. TYPE "E" DROP MH RIM 6026.82.94 INV (W) 12.99 INV (E) 19.65 INV (S) 13.42.49
6+48.83. 4.82'LT. MH#9 BUILD 1-4' DIA. TYPE "E" MH RIM 6028.42.49 INV (W) 22.90.17 INV (E) 23.00.17
9+67.35. CL. MH#10 BUILD 1-4' DIA. TYPE "E" MH RIM 6037.80.82 INV (W) 30.70 INV (E) 30.80 31.01
2+46.43. CL. MH#11 BUILD 1-4' DIA. TYPE "E" MH RIM 6050.46.34 INV 43.46.69

3 4 5+00 5+00 6 7 8 9 10+00 11 12 13 14

ALIGNMENT "A" ALIGNMENT "B"

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

USERNAME: CDP5:[96221A2440.PNP]SANDIA-PNP.GRF

SCANNED BY
BY LASON

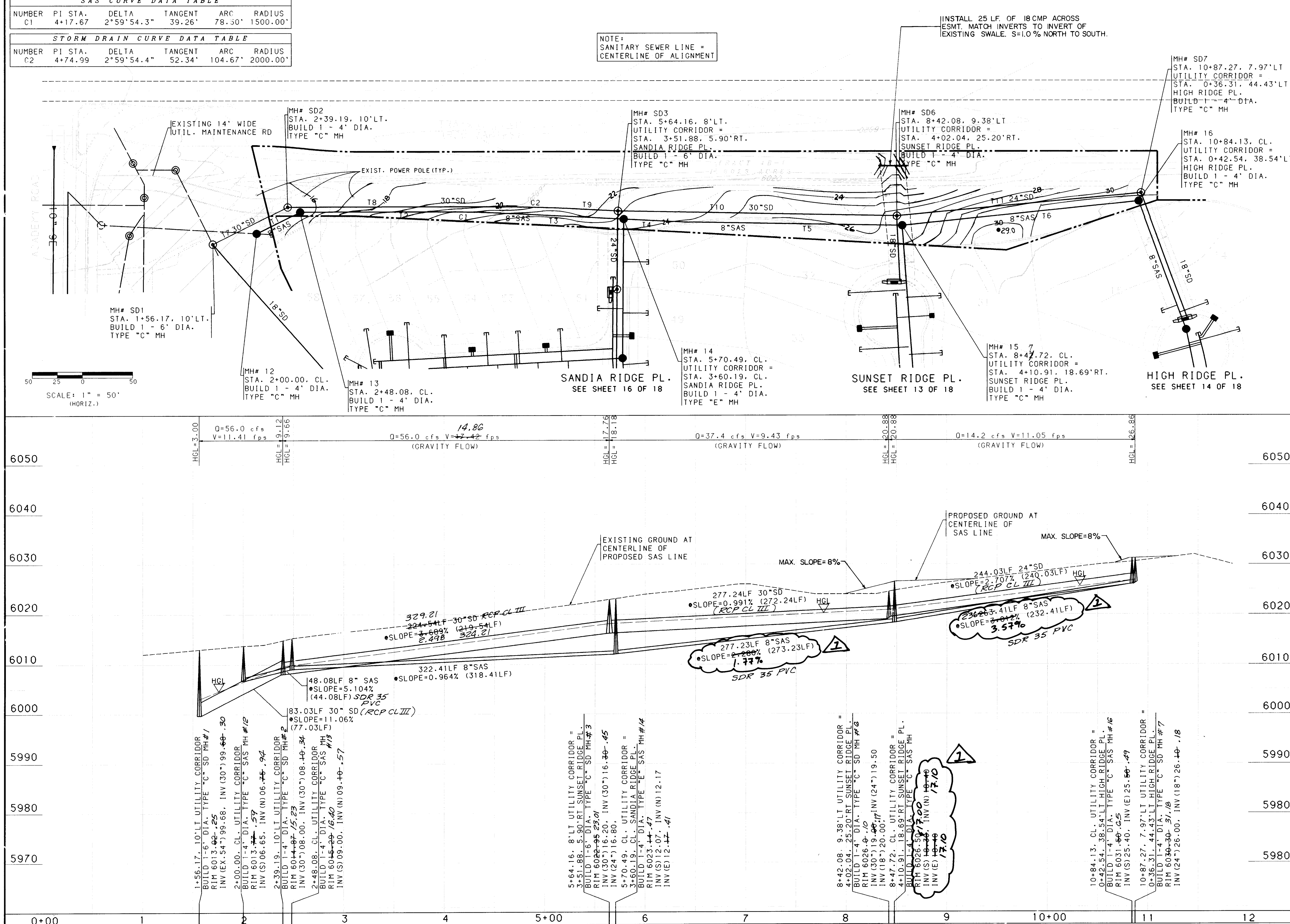
2G-155 3M.107 11/6/97

SAS TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S26°33'52"E	48.08'
T2	N00°08'01"W	130.33'
T3	S02°51'53"W	113.58'
T4	S02°51'53"W	60.24'
T5	N00°58'47"E	216.99'
T6	S05°56'27"E	236.41'

STORM DRAIN TANGENT DATA		
NUMBER	BEARING	DISTANCE
T7	S26°33'52"E	83.03'
T8	N00°08'01"W	187.13'
T9	S02°51'53"W	37.41'
T10	N01°07'48"E	277.24'
T11	N05°27'07"W	244.03'

SAS CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	4+17.67	2°59'54.3"	39.26'	78.50'	1500.00'

STORM DRAIN CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C2	4+74.99	2°59'54.4"	52.34'	104.67'	2000.00'



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

AS-BUILT INFORMATION
CONTRACTOR CMM, Inc.
WORK STAKED BY BHI DATE 3/97
INSPECTOR'S ACCEPTANCE BY BHI DATE 3/97
FIELD VERIFICATION BY BHI DATE 3/97
DRAWINGS CORRECTED BY BHI DATE 3/97

MICRO-FILM INFORMATION
RECORDED BY / DATE / NO.

BENCH MARKS
STATION IS A STANDARD UCCAGS BRASS GEOLOGICAL SURVEY BENCH MARK, TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

SURVEY INFORMATION
FIELD NOTES
BY / DATE

ENGINEER'S SEAL
1/8/96

JAMES P. WHEELER NEW MEXICO 12807 REGISTERED PROFESSIONAL SURVEYOR
3-25-97

NO.	DATE	REMARKS	BY
1	11/96	CHANGE SAS INVERT	BS
		REVISIONS	
		DESIGN	

DESIGNED BY KP, BS DATE 8/96
DRAWN BY BS DATE 8/96
CHECKED BY KP DATE 8/96

RECORD DRAWING
DATE: 3-20-97

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL AT HIGH DESERT
UTILITY PLAN & PROFILE (INCLUDING STORM DRAIN)
UTILITY CORRIDOR

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

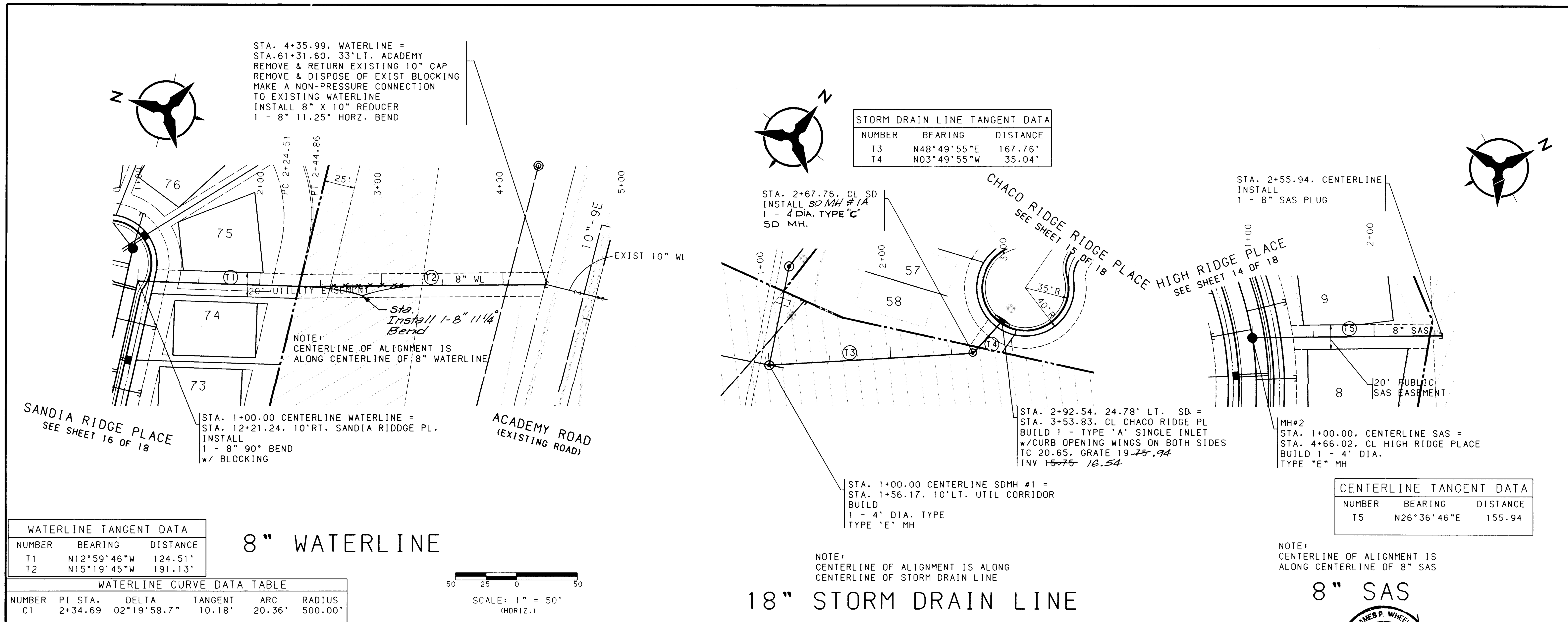
SCALE: 1" = 50' (HORIZ.) 1" = 10' (VERT.)

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
553481	E-23	17	18

USERNAME: CDP5:[C96221A2440-PNP]CORRIDOR-PNP.GRF

BHI JOB NO. 96221A2440

26-5539.81 1797

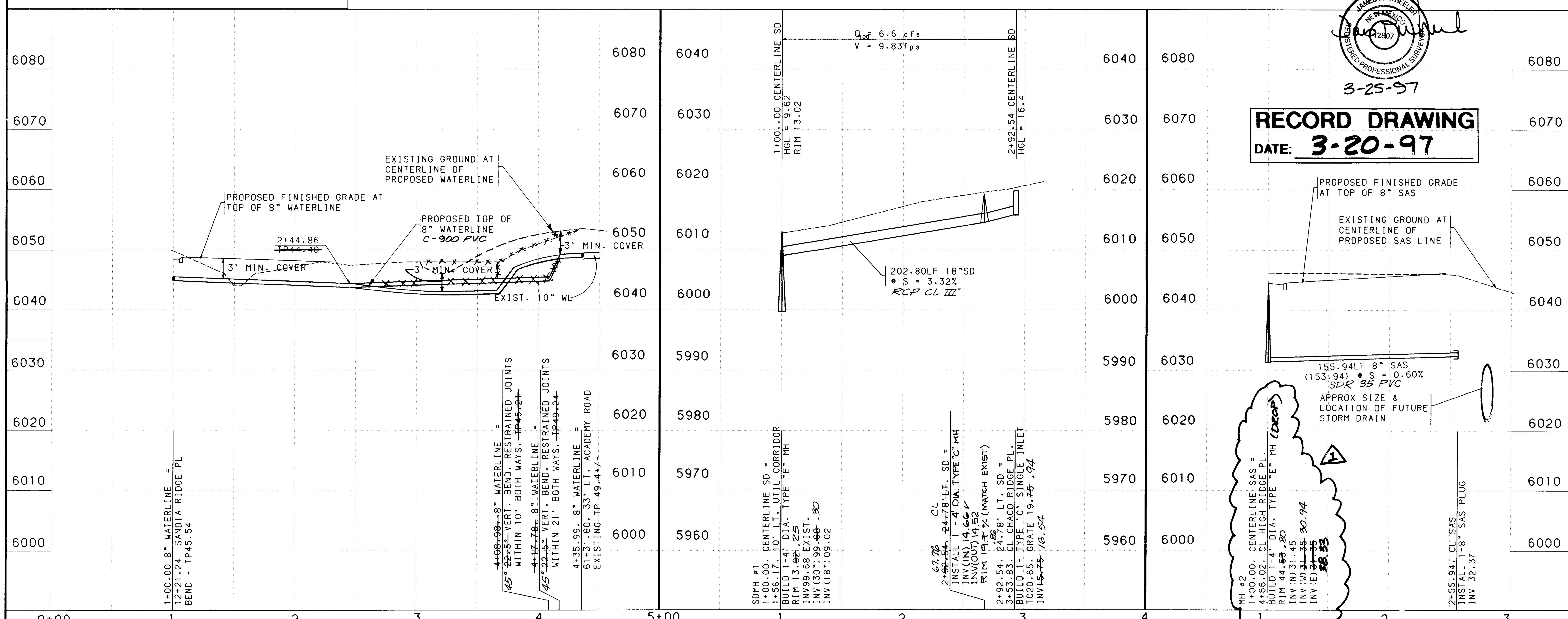


WATERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N12°59'46"W	124.51'
T2	N15°19'45"W	191.13'

WATERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	2+34.69	02°19'58.7"	10.18'	20.36'	500.00'

STORM DRAIN LINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T3	N48°49'55"E	167.76'
T4	N03°49'55"W	35.04'

CENTERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T5	N26°36'46"E	155.94



RECORD DRAWING
DATE: 3-20-97

3-25-97

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. SUFFIX "R" INDICATES ROLLED CURB.
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.

RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED (6")	(8")
11.25° H BEND	2'	3'
22.50° H BEND	4'	5'
45° H BEND	8'	11'
90° H BEND	20'	26'
GATE VALVE	55'	72'
BTRFLY VALVE	---	---
REDUCER (8"x6")	30'	30'

NOTE:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF 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.
5. ALL CAPS SHALL UTILIZE PCC BLOCKING

AS-BUILT INFORMATION
CONTRACTOR CCM, Inc.
WORK STAKED BY BHI
INSPECTOR'S ACCEPTANCE BY BHI DATE 3/97
FIELD VERIFICATION BY BHI DATE 3/97
DRAWINGS CORRECTED BY BHI DATE 3/97

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION IS A STANDARD UCC&GS BRASS GEOLOGICAL SURVEY BENCH MARK. TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009 155

SURVEY INFORMATION
FIELD NOTES: NO. | BY | DATE

ENGINEER'S SEAL — 9/3/96

NO.	DATE	REMARKS	BY
1	11/1/96	CHANGE TO SAS INVERT	BS
		REVISIONS	

DESIGNED BY KP, BS — DATE 8/96
DRAWN BY ORO — DATE 8/96
CHECKED BY JRT — DATE 8/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

CHAMISA TRAIL AT HIGH DESERT
UTILITY PLAN & PROFILE
MISC. SAS, WL, & SD

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

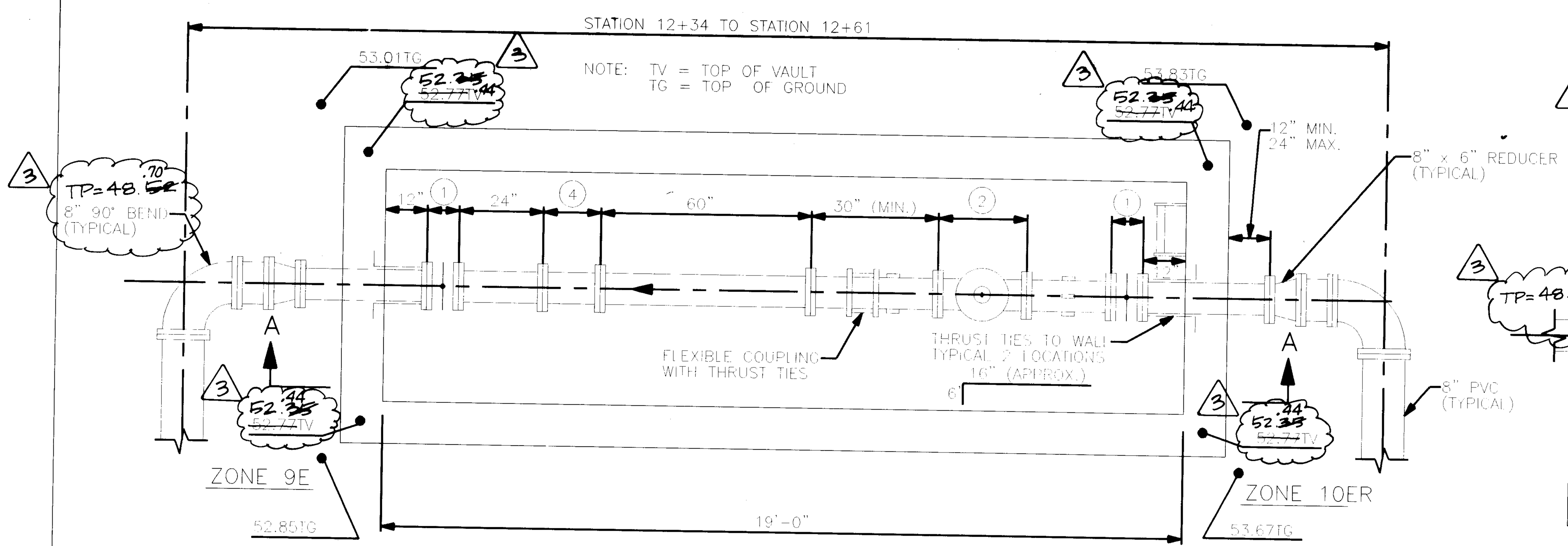
SCALE: 1" = 50' (HORIZ.) 1" = 10' (VERT.)

CITY PROJECT NO. 553481 | ZONE MAP NO. E-23 | SHEET 18 OF 18

USERNAME: CDP5: CC96221A2440.PNP3MISCUTIL-PNP.GRF

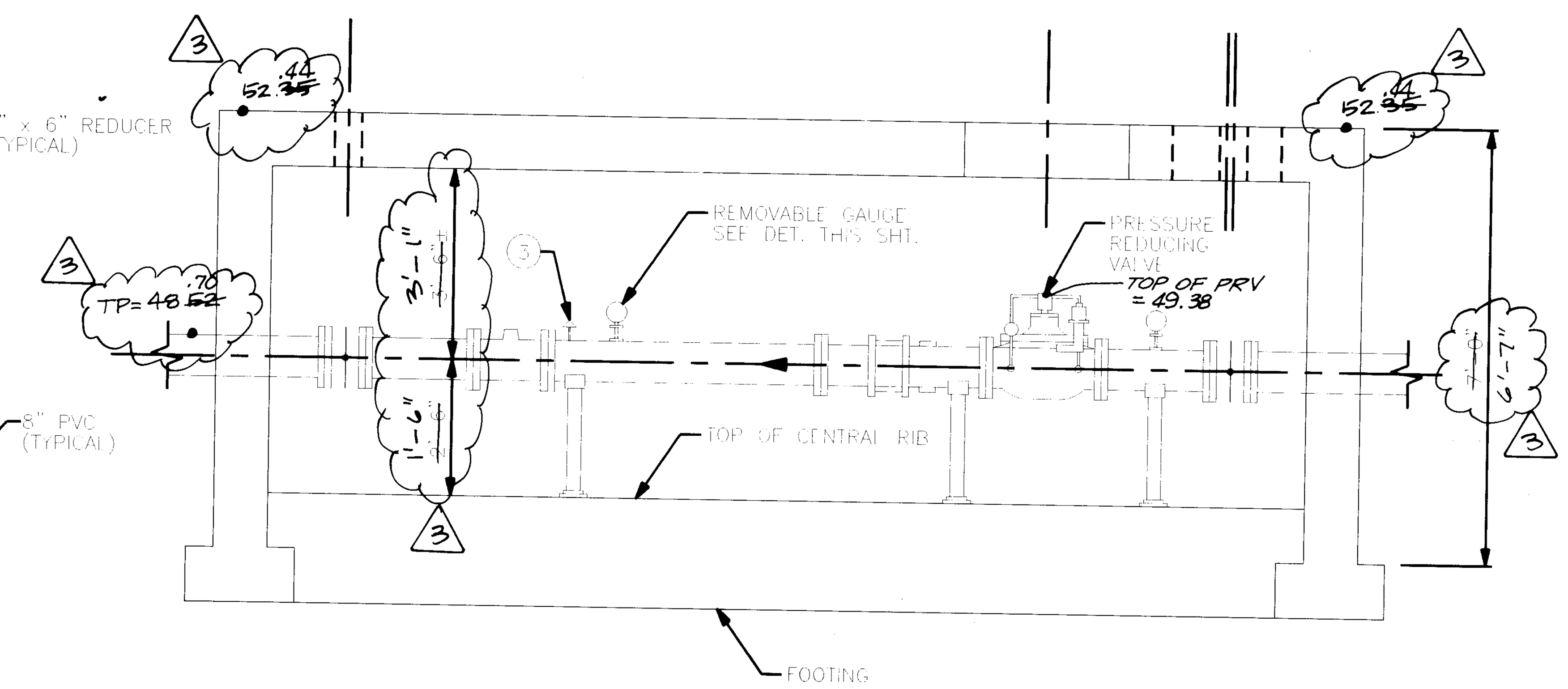
BHI JOB NO. C96221A2440

26-553481 1897



MECHANICAL PLAN

NOT TO SCALE



MECHANICAL SECTION "A–A"

NOT TO SCALE

STRUCTURAL NOTES

1. CONTRACTOR SHALL SET VAULT ROOF ELEVATION SUCH THAT WHEN USING PRECAST CONCRETE MANHOLE RINGS, THE MANHOLE COVER MATCHES EXISTING PAVEMENT GRADE.
2. PRV ACCESS OPENING SHALL BE 36", WITH PRECAST CONCRETE MANHOLE RINGS AND NEENAH R–1795–M MANHOLE BASE AND LID, OR EQUAL. INSTALLATION OF ADJUSTMENT RINGS AND COLLAR SHALL BE SIMILAR TO CITY STD. DWG. 2101, MANHOLE TYPE "C". OPENING SHALL BE DIRECTLY OVER CENTER OF PRV.
3. LADDER ACCESS OPENING SHALL BE 24", WITH NEENAH R–1795–H MANHOLE BASE AND LID, OR EQUAL. INSTALL ACCORDING TO NOTE 2.
4. VALVE NUT ACCESS SHALL CONSIST OF CITY STD. VALVE BOX AND RING. MATCHING FINAL GRADE, MOUNTED ON 12" DIA. CORRUGATED GALV. PIPE, EXTENDING TO TOP OF ROOF. 6" DIA. CORRUGATED GALV. PIPE TO BE EMBEDDED IN ROOF, CENTER MATCHING CENTER OF 12" PIPE. OPENING SHALL BE DIRECTLY OVER VALVE OPERATING NUT.
5. CONTRACTOR AT HIS OPTION, MAY ELECT TO USE PRECAST CONCRETE ELEMENTS IN VAULT CONSTRUCTION. THESE VAULT ELEMENTS SHALL BE DESIGNED FOR THE FOLLOWING LOADS:

   H–20 TRAFFIC LOADING AND 2 FT. OF SOIL LOAD ON ROOF SLAB.

   72 PCF EQUIVALENT LOADING ON CENTRAL RIB.

   PIPE AND VALVING LOADING ON CENTRAL RIB.

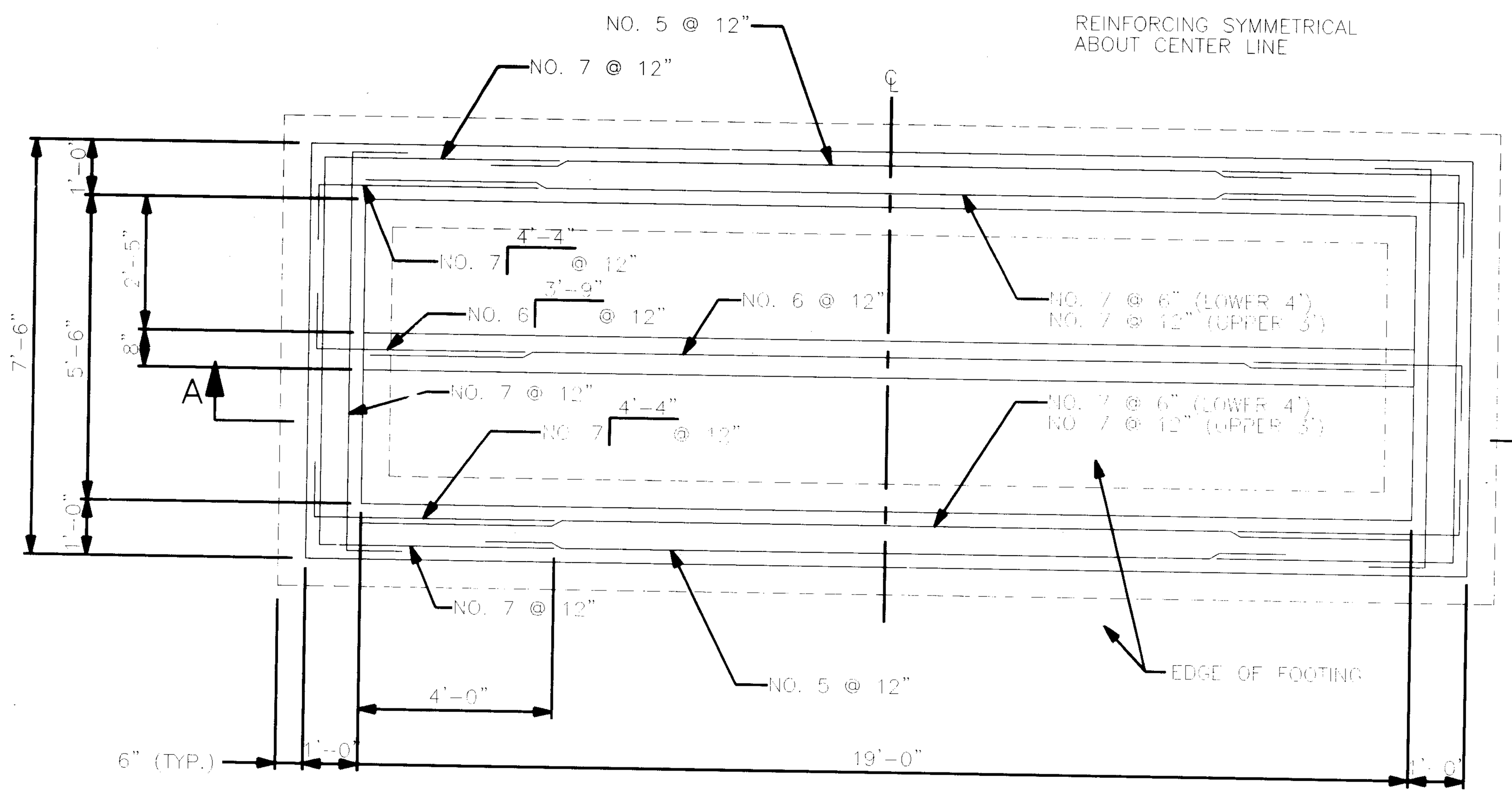
   2000 PSF FOOTING LOAD.
6. BEFORE FABRICATION, VAULT MFR. SHOP DRAWINGS WITH COMPLETE STRUCTURAL AND FOUNDATION CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER AS SPECIFIED IN THE GENERAL CONDITIONS. VAULT DESIGN SHALL BE IN ACCORDANCE WITH ACI COMMITTEE REPORT 350.

KEYED MECHANICAL NOTES

1. VALVE DIMENSIONS AS REQUIRED BY MANUFACTURER. PRATT BFV 6" LAYING LENGTH SHALL BE ACCORDING TO AWWA STANDARDS.
2. PRV DIMENSIONS AS REQUIRED BY MANUFACTURER. CLA–VAL MODEL 90–48 W/ LOW FLOW BY–PASS.
3. AIR / VAC VALVE SHALL BE ATTACHED TO HIGHEST POINT IN PIPE PROFILE.
4. FLOW METERS SHALL BE FLANGED TUBR, PROPELLER TYPE, LIQUID FLOW METERS, AND SHALL INCLUDE INTEGRALLY MOUNTED SIX– (OR MORE) DIGIT TOTALING REGISTERS READING IN GALLONS. METER ACCURACY SHALL BE PLUS OR MINUS 2 PERCENT OF FLOW, MINIMUM OVER A 10:1 FLOW RANGE. MINIMUM. METER DIMENSION AS REQUIRED BY MANUFACTURER. SPARLING MODEL PDS–102: LAYING LENGTH 28".

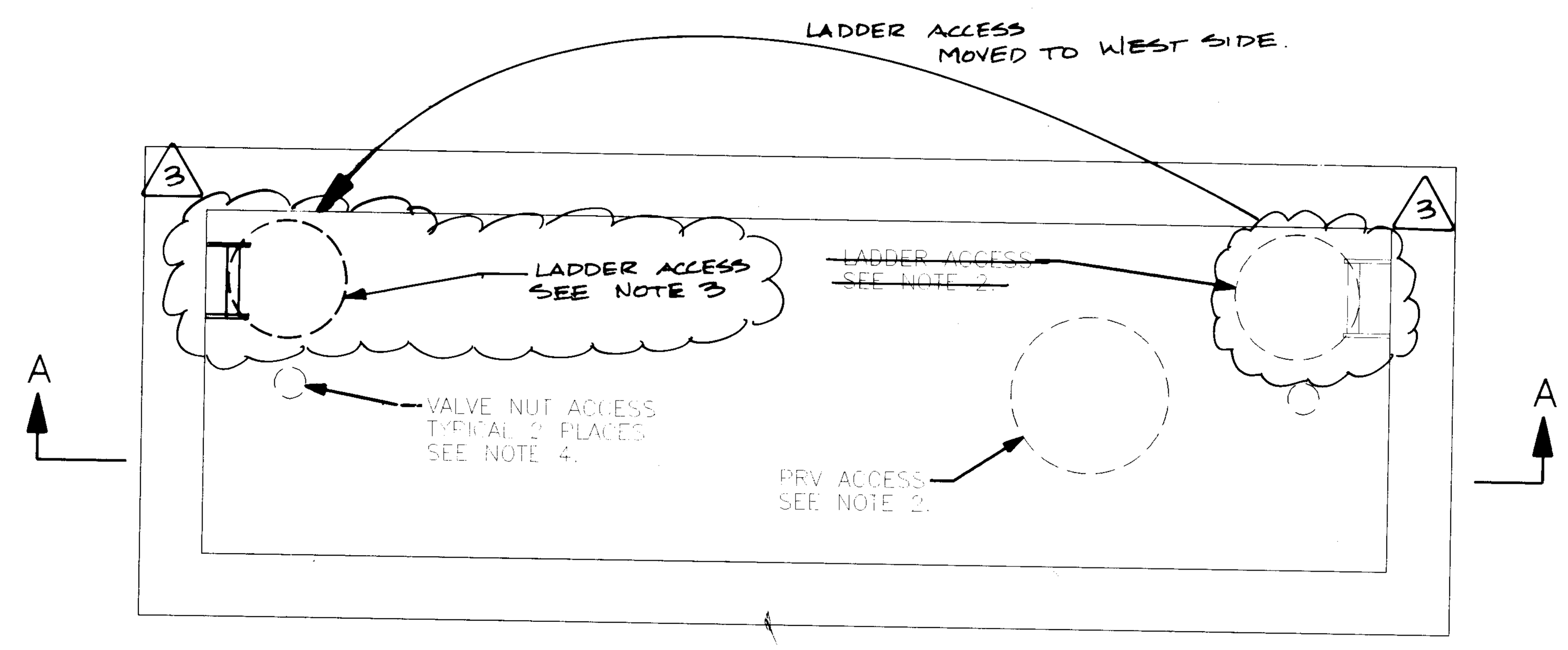
NOTES:

REINFORCING SYMMETRICAL ABOUT CENTER LINE



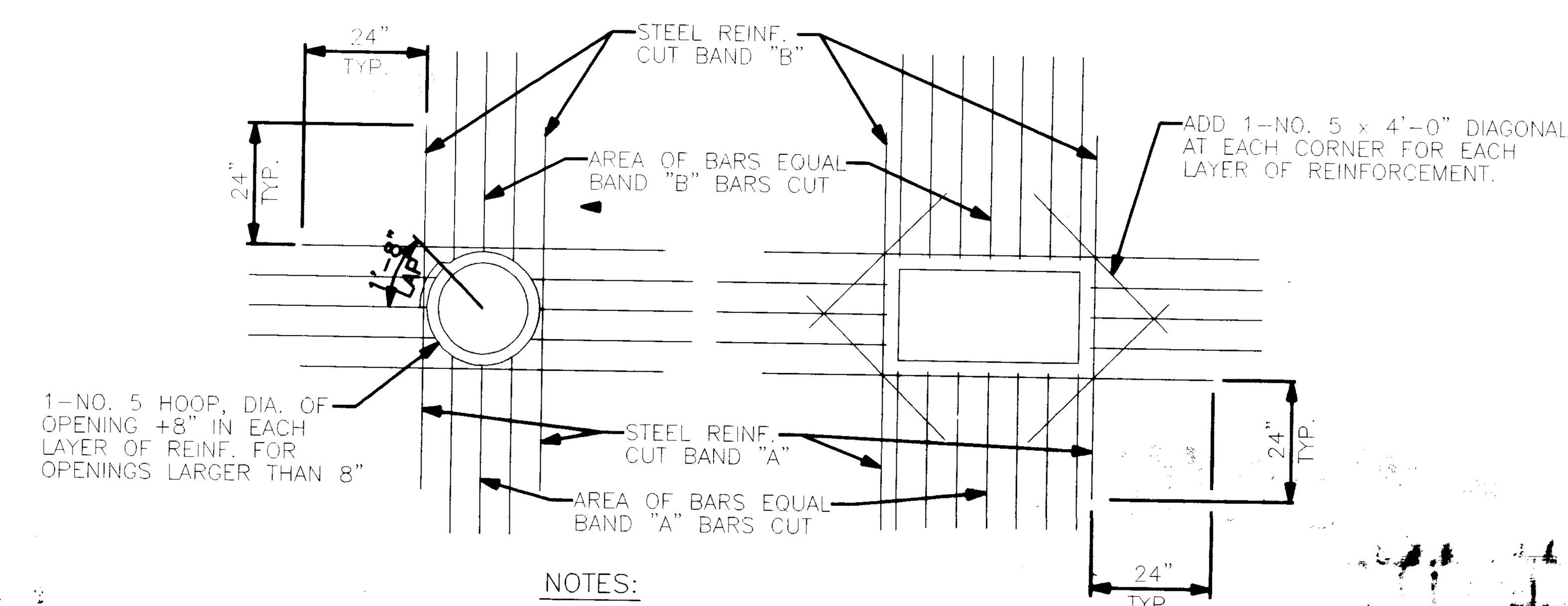
FLOOR PLAN

NOT TO SCALE



ROOF PLAN

NOT TO SCALE

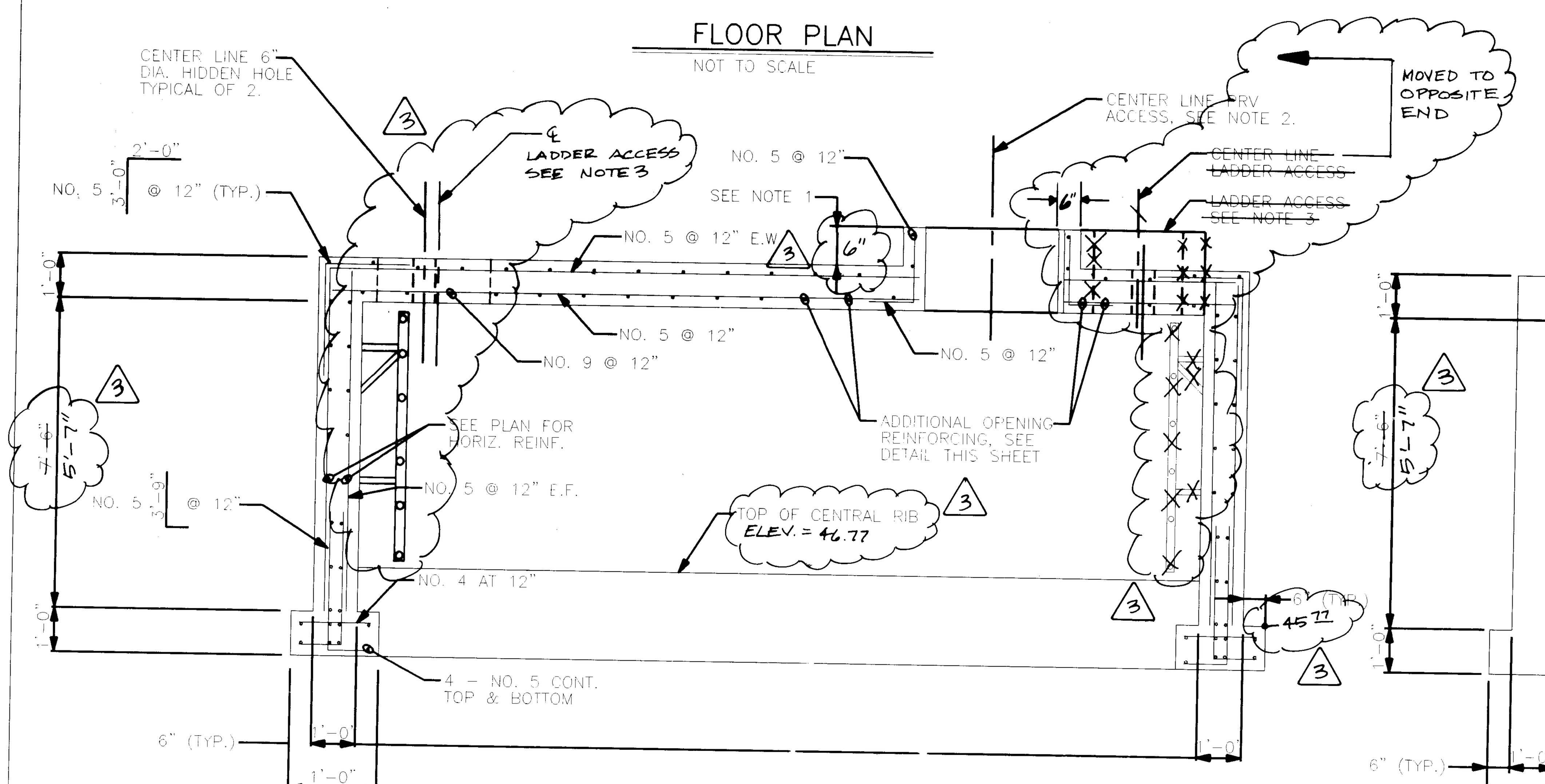


NOTES:

1. TYPICAL FOR ALL OPENINGS IN CONCRETE WALLS AND SLABS UNLESS INDICATED OTHERWISE ON PLANS.
2. DO NOT WELD REINFORCEMENT TO PIPE SLEEVES OR INSERTS.

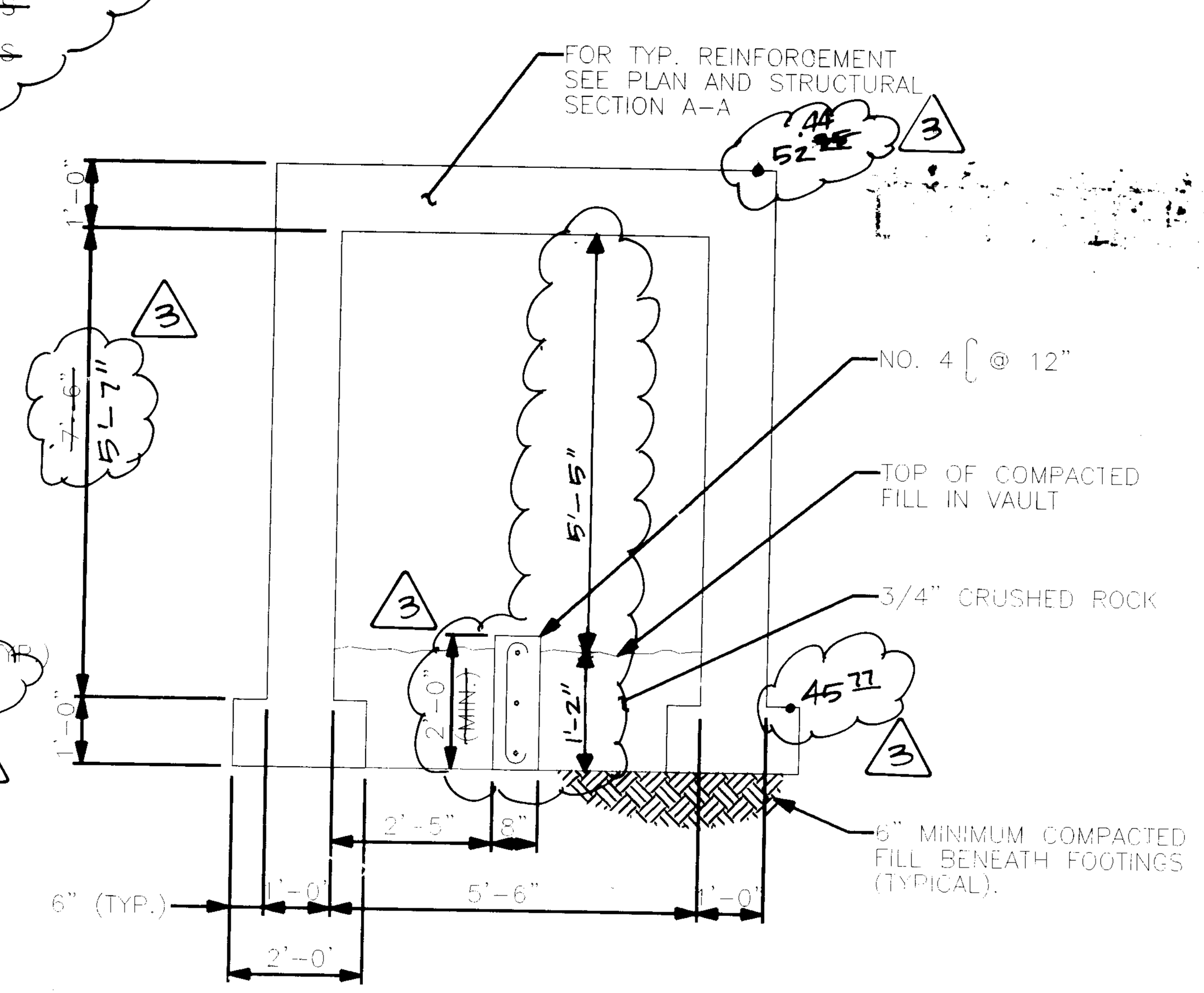
OPENING REINFORCING DETAIL

NOT TO SCALE



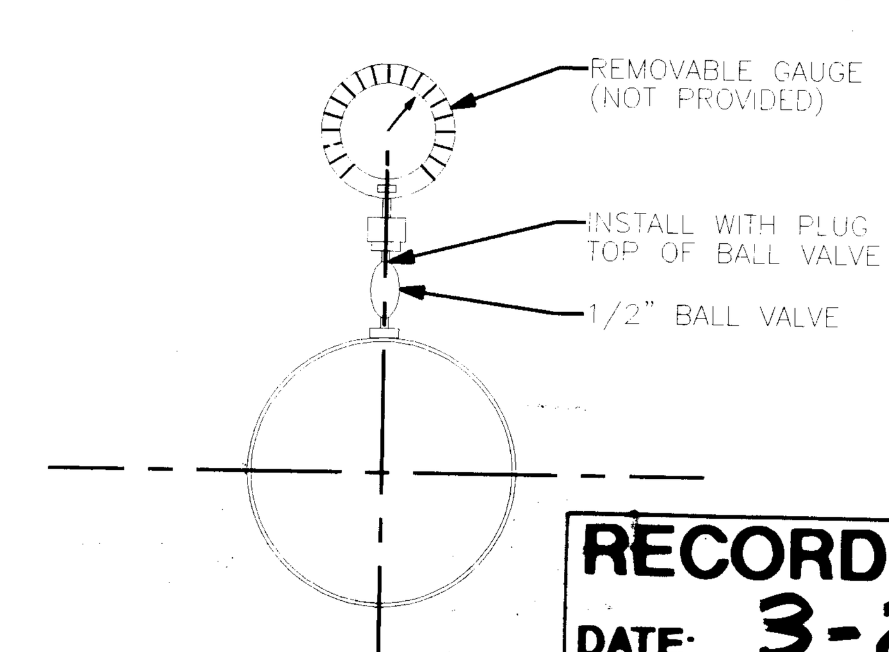
STRUCTURAL SECTION "A–A"

NOT TO SCALE



SECTION "B–B"

NOT TO SCALE



REMOVABLE GAUGE DETAIL

NOT TO SCALE

26-5534.91120697

JAMES P. WHEELER, NEW MEXICO, 12807, REGISTERED PROFESSIONAL SURVEYOR

3-25-97

RECORD DRAWING
DATE: 3-20-97

SCANNED BY BY LASON

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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: CHAMISA TRAIL AT HIGH DESERT PRV DETAIL SHEET

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
553481	E-23	18B	18

AS–BUILT INFORMATION		
CONTRACTOR	OCM, INC	DATE
STAKED BY	BHI	3/97
INSPECTOR'S ACCEPTANCE BY	BHI	3/97
FIELD VERIFICATION BY	BHI	3/97
DRAWINGS CORRECTED BY	BHI	3/97
MICRO–FILM INFORMATION		
RECORDED BY		DATE

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

STATE OF NEW MEXICO, MICHAEL W. EMERY, NO. 5194, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
3	1-15-97	REC'D FIELD REVISIONS FOR VAULT	
		REVISIONS	
		DESIGN	

DESIGNED BY: K.P.	DATE: 4/1/96
DRAWN BY: M.E.S.	DATE: 4/1/96
CHECKED BY: J.R.T.	DATE: 4/1/96

BHI PROJECT NUMBER: C95360A2440
FILENAME: PRVDTL.DWG