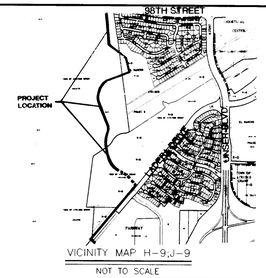
CONSTRUCTION PLANS
FOR
COLLEGE TRUNK - MASTER PLAN 20" WATERLINE
ALBUQUERQUE, NEW MEXICO



NOT TO SCALE

INDEX

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2,3	BULKLAND PLAT
4, 4A	OVERALL PLAN & GENERAL NOTES
	WATERLINE PLAN AND PROFILE
5	LADERA STA. 10+00 TO STA. 21+00
6, 6A	LADERA STA. 21+00 TO STA. 29+46 TO STA. 4+55
7	CASA VERDE STA. 4+55.33 TO STA. 15+00
8	CASA VERDE STA. 15+00 TO STA. 25+50
9	CASA VERDE STA. 25+50 TO STA. 32+63
10	SELLWAY STA. 10+07 TO STA. 20+00
11	SELLWAY STA. 20+00 TO STA. 25+15.48
12	MISCELLANEOUS DETAILS

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AND SHALL INCLUDE UPDATE No.6
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
5. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND 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 SURVERYOR 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.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

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

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	7	Billy J. Brockus	5/27/97	Roger A. Green	5/30/97	Ken Dunk	5/20/97

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE
	DRC Chairman	Billy J. Brockus	7-16-96
	Transportation	[illegible]	6-20-96
	Water/Wastewater	Roger A. Green	7-15-96
	Hydrology	[illegible]	7-15-96
	Parks	N/A	
	Const. Mngmt.		
	AMAFCA	[illegible]	1/12/96

APPROVED FOR CONSTRUCTION:

City Engineer / Date

CITY PROJECT NO. 5409.90

SHEET 1 OF 12

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 9-30-97

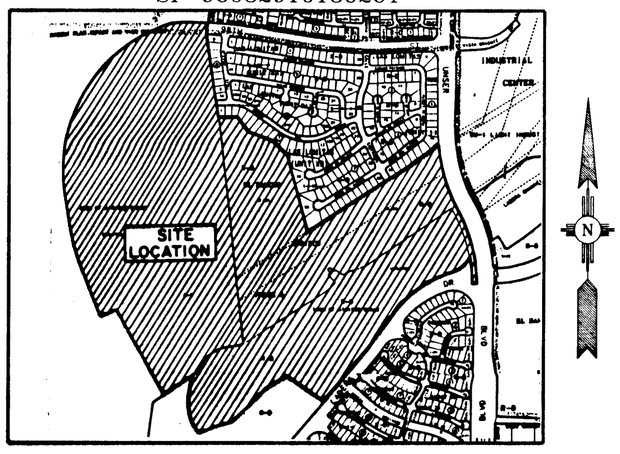
BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

6/6/96

I PROJECT NO.
DRO:[H96178A2100.GAVIN.AC-D]COVER.DWG
5/96

26-5409.90 0197

SP 96032910180261



LOCATION MAP

ZONE ATLAS INDEX MAP No. H-9-Z and J-9-Z
NOT TO SCALE

SUBDIVISION DATA

1. **DRB No. 95-537**
2. **Zone Atlas Index No. H-9-Z and J-9-Z.**
3. **Gross Subdivision Acreage: 180.73096 Acres.**
4. **Total Number of Tracts created: 9 Tracts**
5. **Total Mileage of full width Streets created: 0.2911 mile**
6. **Total Mileage of partial width Streets created: 0.0478 mile.**
7. **Date of Survey: _____**
8. **Plat is located within the Town of Atrisco Grant, within projected Sections 9 and 16, T10N, R2E, NMPM.**

DISCLOSURE STATEMENT

The purpose of this Bulk Land Plat is to Permit Zoning and Annexation of property into the City of Albuquerque, to Subdivide Land within Bernalillo County together with Tract A-2-A of REPLAT OF EL RANCHO, PHASE V, recorded September 25, 1987 in Volume C34, Folio 162, together with all of the 45.6483 acres (Annexed to the City of Albuquerque) described in Document No. 95110034, recorded October 27, 1995 in Book 95-26, Pages 1057-1058, together with a portion of the Ladera Storm Drainage and Detention Facility into Nine (9) Tracts, to dedicate public Street Right-of-Way to the City of Albuquerque and to grant easements.

NOTES

1. **Basis of Bearings: New Mexico State Plane Grid Bearings (Central Zone) also being the same as Bearings shown on Subdivision Plat For PARKWAY UNIT 1, Filed: July 23, 1992 in Book 92C, Folio 157.**
2. **Distances are Ground Distances.**
3. **All easements of record are shown.**
4. **Record Bearings and Distances are shown in parenthesis ( )**
5. **Centerline (in lieu of R/W monumentation) to be installed at all centerline PC's, PT's, angle points and street intersections prior to acceptance of subdivision street improvements and shall consist of a standard four-inch (4") aluminum alloy cap stamped "City of Albuquerque", "Centerline Monumentation", "Survey Marker", "Do Not Disturb", "PLS# 6544"**
6. **EASEMENT DEDICATION FOR TRACTS A, C, AND H, WESTLAND DEVELOPMENT CO., INC., a New Mexico Corporation "Grantor", hereby Dedicates to the ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY, a political subdivision of the State of New Mexico ("Grantee"), its successors and assigns, an Easement for drainage, flood control, conveyance of storm water, stockpiling of sediment, and the construction, reconstruction, operation, maintenance of, and access to such facilities, on, in, under, over and across the real estate designated herein as "Temporary Drainage Easement". This Dedication is with the full force and free consent and in accordance with the desire of the Grantor. This Easement shall be considered temporary and any portion of the Easement granted herein shall revert to the Grantor, its successors or assigns, as and to the extent said portion is declared unnecessary for flood control or drainage by the Board of Directors of Grantee. Any reversion shall be conveyed by quitclaim deed. There is reserved to the Grantor, its successors and assigns, the right to use said Easement Area for open space, landscaping and other purposes which will not interfere with the rights and Easements hereby granted, provided the Grantor obtains Grantee's prior written Licensed approval for such use, not to be unreasonably withheld. Grantor hereby acknowledges that the Easement Area is located in an area which is currently being studied as a part of a Drainage Management Plan and understands that all, or a portion of the Easement Area may be determined by the Grantee in the future to be necessary for permanent drainage facilities and improvements for any/or all of the uses referenced above. Grantee shall only maintain property and/or improvements that it has constructed or has agreed in writing to maintain.**

In approving this plat, PNM Electric Services and Gas Services (PNM) did not conduct a Title Search of the properties shown hereon. Consequently, PNM does not waive nor release any easement or easement rights to which it may be entitled.

CITY WATER AND SANITARY SEWER SERVICE NOTICE

1.) "City of Albuquerque Water and Sanitary Sewer Service to 96072304 must be verified and coordinated with the Public Works Department, City of Albuquerque."

2.) Prior to any alignment by City of Albuquerque Water and Sanitary Sewer Service to 96072304 must be verified and coordinated with the Public Works Department, City of Albuquerque, via a request for a Water and sanitary sewer availability statement.

DESCRIPTION

A certain tract of land situate within the Town of Atrisco Grant, within projected Sections 9 and 16, Township 10 North, Range 2 East, New Mexico Principal Meridian, Bernalillo County, Albuquerque, New Mexico, being Unplatted Lands of Westland Development Company, Inc., all of Tract A-2-A of REPLAT OF EL RANCHO ATRISCO, PHASE V as the same is shown and designated on the plat recorded in the office of the County Clerk of Bernalillo County, New Mexico on September 25, 1987 in Volume C34, Folio 162, together with all of the 45.6483 acres (Annexed to the City of Albuquerque) described in Document No. 95110034, recorded in the office of the County Clerk of Bernalillo County, New Mexico on October 27, 1995 in Book 95-26, Pages 1057-1058 and also including a portion of the Ladera Storm Drainage and Detention Facility and being more particularly described by New Mexico State Plane Grid Bearings (Central Zone NAD27 Datum) and ground distances as follows:

BEGINNING at the southwest corner of said 45.6483 acre tract, a point on the northerly right-of-way line of the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) Parcel LD-2-1A Easement of said Ladera Storm Drainage Diversion and Detention Facility, said Easement recorded in the office of the County Clerk of Bernalillo County, New Mexico, as District Court Judgement No. 7-76-03096, in Book Misc. 498, Pages 648-683 on September 23, 1976, whence the ACS Monument "BH-40" (having New Mexico State Plane Grid Coordinates Central Zone, NAD83 Datum of X=352,790.66 and Y=1,492,346.53) bears S44°45'15"W, a distance of 754.78 feet and from said point of beginning rupning thence along the westerly boundary line of said 45.6483 acre tract, N17°11'16"W, a distance of 334.85 feet to a point of curvature; thence,
506.78 feet along the arc of a curve to the right having a radius of 1032.00 feet and a chord which bears N03°07'11"W, a distance of 501.71 feet to a point of non-tangency; thence leaving the westerly boundary line of said 45.6483 acre tract and running thence along westerly boundary line of the tract herein described,
N79°03'05"W, a distance of 801.22 feet to a point of curvature (non-tangent); thence,
33.59 feet along the arc of a curve to the left having a radius of 1608.00 feet and a chord which bears N15°46'38"E, a distance of 33.59 feet to a point of tangency; thence,
N15°10'44"E, a distance of 1057.13 feet to a point of curvature; thence,
1444.55 feet along the arc of a curve to the right having a radius of 1100.00 feet and a chord which bears N52°48'00"E, a distance of 1342.96 feet to a point of non-tangency; thence,
N08°19'45"W, a distance of 108.75 feet to a point of curvature (non-tangent); thence,
309.11 feet along the arc of a curve to the right having a radius of 4646.34 feet and a chord which bears S87°53'44"E, a distance of 309.05 feet to a point of non-tangency on the northerly right-of-way line of 98th Street NW, and also being the southwest corner of PARKWWEST UNIT 3 SUBDIVISION as the same is shown and designated on the plat recorded in the office of the County Clerk of Bernalillo County, New Mexico on January 11, 1995 in Volume 95C, Folio 14, thence crossing said right-of-way,
S04°30'40"W, a distance of 107.74 feet to a point on the southerly right-of-way line of said 98th Street NW; said corner being the northwest corner of Lot Nine (9) of Block Eight (8) of PLAT OF LAS LOMITAS UNIT IIA AND UNIT IIB as the same is shown and designated on the plat recorded in the office of the County Clerk of Bernalillo County, New Mexico on May 6, 1993 in Volume 93C, Folio 128, thence leaving said right-of-way line and running thence along the westerly boundary line of said LAS LOMITAS UNIT IIA AND UNIT IIB and also along the westerly boundary line of PLAT OF LAS LOMITAS, UNIT IIB as the same is shown and designated on the plat recorded in the office of the County Clerk of Bernalillo County, New Mexico on December 21, 1994 in Volume 94C, Folio 425, and also along the westerly boundary line of PLAT OF LAS LOMITAS, UNIT IIB as the same is shown and designated on the plat recorded in the office of the County Clerk of Bernalillo County, New Mexico on May 5, 1994 in Volume 94C, Folio 147,
S08°19'45"E, a distance of 761.67 feet to the northwest corner of coner of said Tract A-2-A, thence running along the norteasterly boundary line of said Tract A-2-A,
N88°37'08"E, a distance of 180.00 feet to a point; thence,
S35°38'34"E, a distance of 210.34 feet to a point; thence,
S69°24'29"E, a distance of 216.01 feet to a point; thence,
S53°49'09"E, a distance of 168.93 feet to a point; thence,
S15°51'59"E, a distance of 708.60 feet to a point; thence,
N57°54'25"E, a distance of 1430.45 feet to the northeast corner of said Tract A-2-A, a point of curvature (non-tangent) on the westerly right-of-way line of Unser Boulevard NW, thence running along the easterly boundary line of said Tract A-2-A and also along said right-of-way line,
609.33 feet along the arc of a curve to the left having a radius of 1478.00 feet and a chord which bears S18°03'18"E, a distance of 604.04 feet to a point of reverse curvature; thence,
703.54 feet along the arc of a curve to the right having a radius of 1322.00 feet and a chord which bears S14°36'01"E, a distance of 695.27 feet to the southeast corner of said TRact A-2-A, a point of non-tangency, thence running along the southerly boundary line of said Tract A-2-A,
N89°21'16"W, a distance of 50.00 feet to a point of curvature (non-tangent); thence,
247.68 feet along the arc of a curve to the left having a radius of 1272.00 feet and a chord which bears N04°55'57"W, a distance of 247.28 feet to a point of compound curvature on the northerly right-of-way line of Ladera Drive NW and also being a point on the southerly right-of-way line of said Ladera Storm Drainage and Detention Facility, thence running along said southerly right-of-way line and also along the northerly right-of-way line of said Ladera Drive, NW, 179.26 feet along the arc of a curve to the right having a radius of 200.00 feet and a chord which bears S44°22'36"W, a distance of 173.32 feet to a point of tangency; thence,
S70°03'14"W, a distance of 94.29 feet to a point of curvature; thence,
593.80 feet along the arc of a curve to the left having a radius of 993.00 feet and a chord which bears S52°55'22"W, a distance of 584.99 feet to a point of tangency; thence,
S35°47'30"W, a distance of 407.19 feet to a point of curvature; thence,
66.28 feet along the arc of acurve to the right having a radius of 1047.00 feet and a chord which bears S37°36'19"W, a distance of 66.27 feet to a point of tangency; thence,
S39°25'08"W, a distance of 573.06 feet to a point; thence leaving the northerly right-of-way line of said Ladera Drive NW and running thence along the southerly right-of-way line of said Ladera Storm Drainage and Detention Facility,
N50°34'52"W, a distance of 214.35 feet to a point; thence,
N48°00'34"W, a distance of 111.00 feet to a point; thence,
S53°21'54"W, a distance of 135.94 feet to a point; thence,
S39°25'08"W, a distance of 301.00 feet to a point; thence,
S63°39'20"W, a distance of 135.54 feet to a point; thence,
S60°59'20"W, a distance of 195.78 feet to a point of curvature (non-tangent); thence,
48.96 feet along the arc along the arc of a curve to the left having a radius of 443.00 feet and a chord which bears N66°20'41"W, a distance of 48.94 feet to to a point of non-tangency; thence,
S20°29'20"W, a distance of 60.00 feet to a point, thence leaving said southerly right-of-way line and running thence along southwesterly boundary line of the tract herein described,
N69°30'40"W, a distance of 53.96 feet to a point of curvature; thence,
478.75 feet along the arc of a curve to the right having a radius of 410.00 feet and a chord which bears N36°03'33"W, a distance of 452.01 feet to a point of reverse curvature; thence,
101.41 feet along the arc of a curve to the left having a radius of 940.00 feet and a curve which bears N05°41'53"W, a distance of 101.36 feet to a point of compound curvature on the southerly right-of-way line of said Parcel LD-2-1A, thence running along the southerly right-of-way line of said Parcel LD-2-1A, 55.23 feet along the arc of a curve to the right having a radius of 395.09 feet and a chord which bears S52°42'45"W, a distance of 55.18 feet to a point of tangency; thence,
S56°43'01"W, a distance of 242.38 feet to a point; thence,
N32°05'34"W, a distance of 625.15 feet to a point; thence,
S57°54'25"W, a distance of 52.40 feet to the point and place of beginning.

Tract contains 180.7310 acres, more or less.

FREE CONSENT AND DEDICATION

The foregoing Plat of that certain tract of land situate within the Town of Atrisco Grant, within Projected Sections 9 and 16, Township 10 North, Range 2 East, New Mexico Principal Meridian, Bernalillo County, Albuquerque, New Mexico, being Unplatted Lands of Westland Development Company, Inc., together with Tract A-2-A of REPLAT OF EL RANCHO, PHASE V, recorded September 25, 1987 in Volume C34, Folio 162, together with all of the 45.6483 acres (Annexed to the City of Albuquerque) described in Document No. 95110034, recorded October 27, 1995 in Book 95-26, Pages 1057-1058, together with a portion of the Ladera Storm Drainage and Detention Facility, now comprising Tracts A, B, C, D, E, H, J, Units 1, and 2, Plat of THE CROSSING, 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, Electrical 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.

WESTLAND DEVELOPMENT COMPANY, INC.
401 Coors Boulevard, NW
Albuquerque, NM 87121

BY: Barbara Page
Barbara Page, President and CEO

State of New Mexico)
SS
County of Bernalillo)

This instrument was acknowledged before me on 6 day of May, 1996, by Barbara Page, President and CEO of Westland Development Company, Inc.

My Commission Expires: 8/15/97 Notary Public

96076305

PLAT OF
THE CROSSING
ALBUQUERQUE, NEW MEXICO
APRIL, 1996

APPROVALS

PLAT NUMBER	9.96.25
PLANNING DIRECTOR	DATE 7.8.96
CITY ENGINEER	DATE 7-3-96
A.M.A.F.C.A.	DATE 5-30-96
TRAFFIC ENGINEER	DATE 6-03-96
CITY SURVEYOR	DATE 050796
PROPERTY MANAGEMENT	DATE 5-9-96
UTILITY DEVELOPMENT DEPARTMENT	DATE 5-7-96
PARKS AND GENERAL SERVICES DEPARTMENT	DATE 5-7-96
BERNALILLO COUNTY ZONING	DATE 5-22-96
PNM ELECTRIC SERVICES	DATE 5-14-96
U.S. WEST COMMUNICATIONS	DATE
PNM GAS SERVICES	DATE 5-14-96

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON UPC# 1-009-058-325-420-20409, 1-009-058-345-113-20407

PROPERTY OWNER OF RECORD: Westland Development Co

Bernicio Santillanes 7.9.96
BERNALILLO COUNTY TREASURER'S OFFICE DATE

NOTICE OF SUBDIVISION PLAT CONDITIONS

PURSUANT TO SECTION 7 OF THE CITY OF ALBUQUERQUE, NEW MEXICO SUBDIVISION ORDINANCE, A VARIANCE OR WAIVER FROM CERTAIN SUBDIVISION REQUIREMENTS HAS BEEN GRANTED BY THE CITY AND THE ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY IN CONNECTION WITH THIS PLAT.

FUTURE SUBDIVISION OF LANDS WITHIN THIS PLAT, ZONING SITE DEVELOPMENT PLAN APPROVALS, AND DEVELOPMENT PERMITS MAY BE CONDITIONED UPON DEDICATION OF RIGHTS-OF-WAY AND EASEMENTS, AND/OR UPON INFRASTRUCTURE IMPROVEMENTS BY THE OWNER FOR WATER, SANITARY SEWER, STREETS, DRAINAGE, GRADING AND PARKS IN ACCORDANCE WITH CURRENT RESOLUTIONS, ORDINANCES AND POLICIES IN EFFECT AT THE TIME FOR ANY SPECIFIC PROPOSAL.

THE CITY (AND AMAFCA WITH REFERENCE TO DRAINAGE) MAY REQUIRE AND/OR PERMIT EASEMENTS TO BE ADDED, MODIFIED, OR REMOVED WHEN FUTURE PLATS AND/OR SITE DEVELOPMENT PLANS ARE APPROVED.

BY ITS APPROVAL OF THIS SUBDIVISION THE CITY MAKES NO REPRESENTATION OR WARRANTIES AS TO AVAILABILITY OF UTILITIES, OR FINAL APPROVAL OF ALL REQUIREMENTS INCLUDING (BUT NOT LIMITED TO) THE FOLLOWING ITEMS:

WATER AND SANITARY SEWER AVAILABILITY,
FUTURE STREET DEDICATIONS AND/OR IMPROVEMENTS,
PARK AND OPEN SPACE REQUIREMENTS,
DRAINAGE REQUIREMENTS AND/OR IMPROVEMENTS,
EXCAVATION, FILLING OR GRADING REQUIREMENTS.

ANY PERSON INTENDING DEVELOPMENT OF LANDS WITHIN SUBJECT SUBDIVISION IS CAUTIONED TO INVESTIGATE THE STATUS OF THESE ITEMS.

AT SUCH TIME AS ALL SUCH CONDITIONS HAVE BEEN SATISFACTORILY MET, THE CITY ENGINEER SHALL APPROVE A RECORDABLE DOCUMENT, REMOVING SUCH CONDITIONS FROM ALL OR FROM A PORTION OF THE AREA WITHIN THE SUBJECT SUBDIVISION.

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 6544 REGISTERED PROFESSIONAL SURVEYOR

A. Dwain Weaver
New Mexico Professional Surveyor 6544
Date: May 6, 1996

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

JOB NO. 95335-A-3212

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

SHEET 1 OF 4

C:\ADCADD\CIVIL\P\S95335A\SHEET1.DWG 3/27/1996

LEGEND

- SUBDIVISION BOUNDARY LINE
- NEW LOT LINE
- ADJOINING PROPERTY LINE
- MONUMENT TIE LINE
- NEW EASEMENT LINE
- EXISTING EASEMENT LINE
- ANNEXATION BOUNDARY LINE
- ▲ CENTERLINE MONUMENT TO BE INSTALLED
- ○ FOUND 5/8" REBAR
- △ CITY OF ALBUQUERQUE SURVEY CONTROL MONUMENT
- ● SET 5/8"CAPPED REBAR STAMPED "WEAVER LS 6544"
- O FOUND 5/8" REBAR WITH CAP AS NOTED
- ⊙ FOUND PK NAIL IN TOP OF CONCRETE WALL
- EXISTING TEMPORARY DRAINAGE EASEMENT FILED 3/23/93, DOC. NO. 093-028757, BK.93-7, PGS. 2236-2243

SCANNED BY BY CASON

21(-1549(.90 1 2 3 4 5

CPN 5409.90

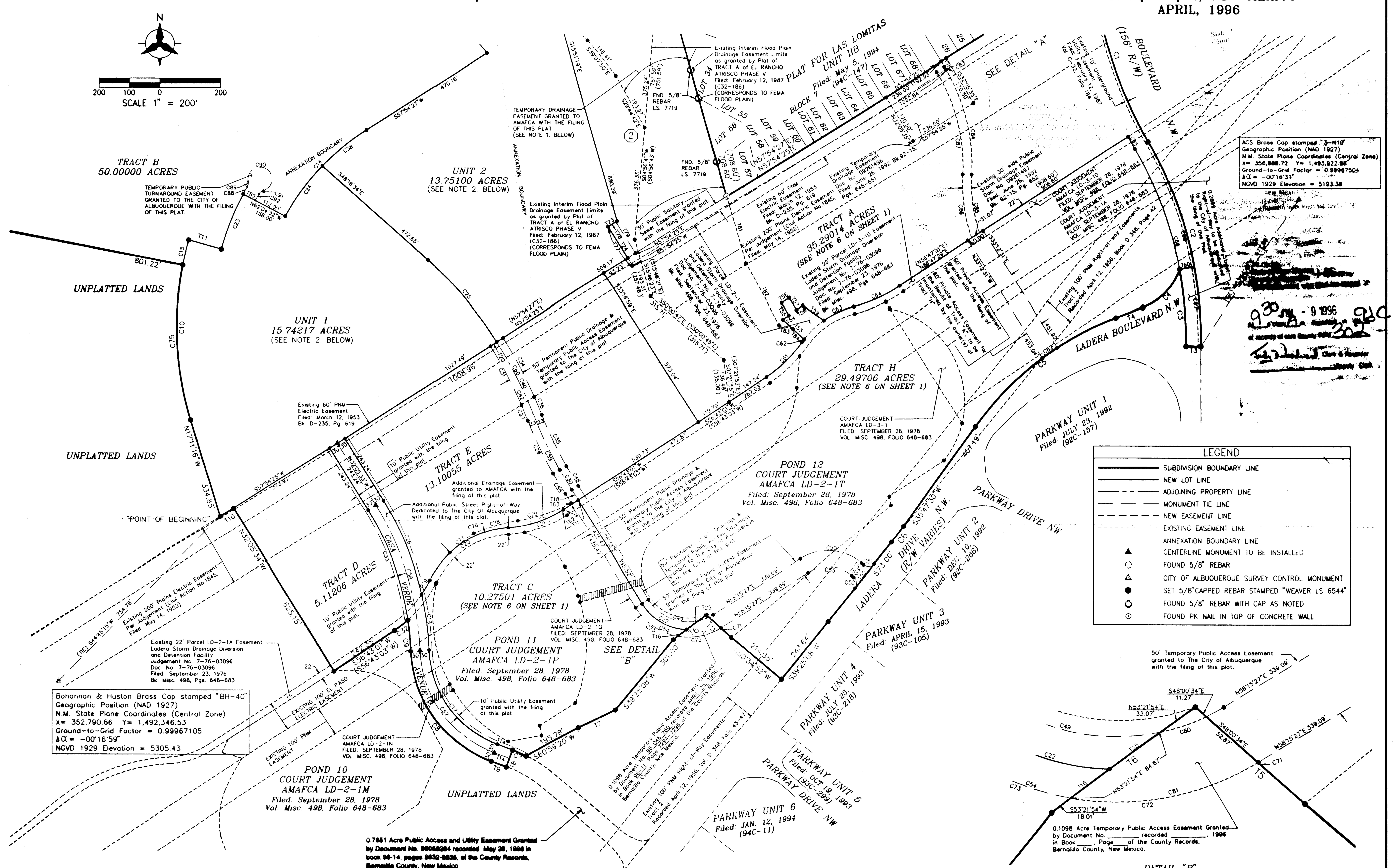
NOTES:

1. WEST BOUNDARY OF "TEMPORARY DRAINAGE EASEMENT GRANTED TO AMAFCA", BETWEEN POINTS ① & ② CORRESPONDS TO THE "MAXIMUM LATERAL EROSION LIMIT" (PRUDENT LINE) ESTABLISHED BY ***THE LAS LOMITAS UNIT IIB MIREHAVEN ARROYO SCOURWALL ANALYSIS & DESIGN***, PREPARED BY AVID ENGINEERING OCT. 1994.
2. A TEMPORARY BLANKET PUBLIC WATER LINE EASEMENT IS GRANTED TO THE CITY OF ALBUQUERQUE WITHIN "UNIT 1" AND "UNIT 2" WITH THE FILING OF THIS BULK LAND PLAT; SAID EASEMENT SHALL BE FUTHER DEFINED AND CONTAINED WITHIN FUTURE DEDICATED PUBLIC

JOB NO. 95335-A-3212

96076305

PLAT OF THE CROSSING
ALBUQUERQUE, NEW MEXICO
APRIL, 1996



NOTES:

1. WEST BOUNDARY OF "TEMPORARY DRAINAGE EASEMENT GRANTED TO AMAFCA", BETWEEN POINTS ① & ② CORRESPONDS TO THE "MAXIMUM LATERAL EROSION LIMIT" (PRUDENT LINE) ESTABLISHED BY ***THE LAS LOMITAS UNIT IIB MIREHAVEN ARROYO SCOURWALL ANALYSIS & DESIGN,*** PREPARED BY AVID ENGINEERING OCT. 1994.

2. A TEMPORARY BLANKET PUBLIC WATER LINE EASEMENT IS GRANTED TO THE CITY OF ALBUQUERQUE WITHIN "UNIT 1" AND "UNIT 2" WITH THE FILING OF THIS BULK LAND PLAT; SAID EASEMENT SHALL BE FUTHER DEFINED AND CONTAINED WITHIN FUTURE DEDICATED PUBLIC RIGHTS-OF-WAY AND/OR PERMANENT PUBLIC WATER LINE EASEMENT(S) UPON THE RECORDING OF THE FINAL SUBDIVISION PLATS FOR UNITS 1 AND 2 RESPECTIVELY, AT WHICH TIME THE TEMPORARY BLANKET EASEMENT SHALL AUTOMATICALLY EXTINGUISH AS TO EACH RESPECTIVE UNIT.

JOB NO. 95335-A-3212

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

C:\ADCADD\CIVIL\P\S95335A\SHEET3.DWG 3/27/1996

96076305 PLAT OF THE CROSSING
ALBUQUERQUE, NEW MEXICO
APRIL, 1996

CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING	DELTA
C1	1478.00'	608.33'	308.53'	604.04'	S18°03'18"E	23°34'56"
	(1478.00')	(608.32')				(23°34'56")
C2	1322.00'	703.54'	360.32'	695.27'	S14°36'01"E	30°29'30"
	(1322.00')	(703.54')			(S14°35'59"E)	(30°29'30")
C3	1272.00'	247.68'	124.23'	247.28'	N04°55'57"W	11°09'23"
	(1272.00')	(246.83')	(123.80')	(245.45')	(N04°54'21.5"W)	(11°07'05")
C4	200.00'	179.26'	96.16'	173.32'	S44°22'36"W	51°21'17"
C5	993.00'	593.80'	306.08'	584.99'	S52°55'22"W	34°15'44"
C6	1047.00'	66.28'	33.15'	66.27'	S37°36'19"W	03°37'38"
C7	443.00'	48.96'	24.51'	48.94'	N66°20'41"W	06°19'58"
C8	410.00'	478.75'	270.88'	452.01'	N36°03'33"W	66°54'13"
C9	940.00'	101.41'	50.75'	101.36'	N05°41'53"W	06°10'52"
C10	1032.00'	590.98'	303.84'	582.94'	N00°46'56"W	32°48'39"
C11	1608.00'	33.59'	16.80'	33.59'	N15°46'38"E	01°11'49"
C12	1100.00'	1444.55'	847.76'	1342.96'	N52°48'00"E	75°14'32"
C13	4646.34'	309.11'	154.61'	309.05'	S87°53'44"E	03°48'42"
C14	762.00'	398.90'	204.13'	394.36'	S42°55'17"W	29°59'38"
C15	1032.00'	84.20'	42.12'	84.17'	S13°17'09"W	04°40'28"
C16	4546.13'	284.88'	142.49'	284.84'	S87°45'25"E	03°35'26"
C17	350.00'	408.69'	231.24'	385.86'	N36°03'33"W	66°54'13"
C18	1000.00'	183.12'	91.82'	182.86'	N07°51'12"W	10°29'31"
C19	373.09'	52.84'	26.47'	52.80'	N30°54'42"E	08°06'54"
C20	312.25'	325.49'	179.28'	310.95'	N56°43'01"E	59°43'32"
C21	373.09'	194.46'	99.49'	192.26'	N71°38'54"E	29°51'46"
C22	180.00'	176.83'	96.28'	169.80'	S60°14'06"E	56°17'07"
C23	920.00'	197.52'	99.14'	197.14'	N21°46'25"E	12°18'05"
C24	762.00'	208.45'	104.88'	207.80'	N35°45'41"E	15°40'26"
C25	1350.00'	347.61'	174.77'	346.65'	S40°53'58"E	14°45'12"
C26	1000.00'	331.49'	167.28'	329.98'	N22°35'46"W	18°59'35"
C27	1325.00'	55.21'	27.61'	55.20'	S22°59'47"E	02°23'14"
C28	1525.00'	195.09'	97.68'	194.96'	S25°28'03"E	07°19'48"
C30	1500.00'	269.39'	135.06'	269.03'	N26°56'51"W	10°17'23"
C31	1325.00'	216.46'	108.47'	216.21'	S28°52'12"E	09°21'36"
C32	395.09'	55.23'	27.66'	55.18'	S52°42'45"W	08°00'32"
C33	940.00'	382.33'	193.84'	379.70'	S20°26'26"E	23°18'15"
C34	1375.00'	216.96'	108.70'	216.73'	N28°58'36"W	09°02'26"
C35	1475.00'	188.65'	94.45'	188.52'	N25°28'00"W	07°19'41"
C36	1375.00'	63.69'	31.85'	63.68'	N23°07'46"W	02°39'14"
C37	525.00'	149.79'	75.41'	149.28'	S24°01'44"E	16°20'51"
C38	762.00'	190.45'	95.72'	189.95'	N50°45'30"E	14°19'12"
C40	1375.00'	280.64'	140.81'	280.15'	S27°38'59"E	11°41'39"
C42	1325.00'	271.66'	136.31'	271.19'	N27°40'35"W	11°44'50"
C43	100.00'	131.23'	77.00'	122.01'	N50°12'10"E	75°11'22"
C44	50.00'	79.32'	50.78'	71.26'	N58°03'11"E	90°53'24"
C45	4546.13'	50.86'	25.43'	50.86'	S87°45'43"E	00°38'28"
C46	525.00'	73.73'	36.93'	73.67'	S36°13'34"E	08°02'49"
C47	475.00'	66.71'	33.41'	66.66'	N36°13'34"W	08°02'49"
C48	1475.00'	76.25'	38.13'	76.24'	S30°36'41"E	02°57'43"
C49	155.00'	242.53'	154.06'	218.53'	S76°55'03"E	89°39'00"

CURVE	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING	DELTA
C50	175.00'	217.35'	125.20'	203.65'	S86°09'43"E	71°09'41"
C51	25.00'	39.27'	25.00'	35.36'	N84°25'08"E	90°00'00"
C52	25.00'	39.27'	25.00'	35.36'	N05°34'52"W	90°00'00"
C53	125.00'	155.25'	89.43'	145.46'	N86°09'43"W	71°09'41"
C54	205.00'	320.76'	203.75'	289.03'	N76°55'03"W	89°39'00"
C55	1525.00'	78.78'	39.40'	78.77'	N30°36'45"W	02°57'36"
C56	4599.13'	296.82'	148.46'	296.77'	S87°48'18"E	03°41'52"
C57	380.00'	443.72'	251.06'	418.94'	N36°03'33"W	66°54'13"
C58	970.00'	499.17'	255.24'	493.68'	N17°21'00"W	29°29'06"
C59	1500.00'	269.39'	135.06'	269.03'	N26°56'51"W	10°17'23"
C60	1350.00'	276.15'	138.56'	275.67'	N27°39'46"W	11°43'13"
C61	463.58'	165.44'	83.61'	164.56'	S46°29'36"W	20°26'51"
	(463.58')	(165.44')			(S46°29'38"W)	(20°26'51")
C62	291.25'	9.99'	5.00'	9.99'	S37°15'08"W	01°57'55"
	(291.25')	(9.99')			(S37°15'10"W)	(01°57'55")
C63	291.25'	108.45'	54.86'	107.83'	S66°36'47"W	21°20'05"
	(291.25')	(107.89')			(S66°33'11"W)	(21°13'29")
C64	463.58'	165.45'	83.61'	164.57'	S66°26'17"W	20°26'53"
	(463.58')	165.44')			(S66°56'29"W)	(20°26'53")
C65	1528.00'	46.61'	23.31'	46.61'	N28°58'20"W	01°44'52"
	(1528.00')	(46.61')			(N28°58'18"W)	(01°44'52")
C66	1272.00'	429.26'	216.69'	427.22'	N20°10'42"W	19°20'07"
C67	1322.00'	257.41'	129.11'	257.00'	S04°55'57"E	11°09'23"
	(1322.00')	(256.53')	(128.67')	(256.13')	(S04°54'21.5"E)	(11°07'05")
C68	1322.00'	446.13'	225.21'	444.02'	S20°10'42"E	19°20'07"
C69	4546.13'	117.41'	58.71'	117.41'	S86°42'06"E	01°28'47"
C70	4546.13'	116.61'	58.31'	116.61'	S88°49'02"E	01°28'11"
C71	205.00'	0.42'	0.21'	0.42'	S58°18'57"W	00°07'01"
C72	205.00'	148.13'	77.47'	144.93'	S79°04'31"W	41°24'07"
C73	205.00'	172.21'	91.55'	167.19'	N56°09'29"W	48°07'52"
C74	1100.00'	193.20'	96.85'	192.96'	N20°12'38"E	10°03'48"
C75	1032.00'	506.78'	258.61'	507.71'	N03°07'11"W	28°08'10"
C76	312.25'	215.49'	112.24'	211.24'	S66°48'33"W	39°32'29"
C77	800.00'	101.71'	50.92'	101.64'	N50°40'51"E	07°17'05"
C78	800.00'	153.45'	76.96'	153.21'	N73°59'09"E	10°59'24"
C79	558.00'	186.42'	94.08'	185.55'	N71°38'03"E	19°08'28"
C80	155.00'	37.07'	18.62'	36.98'	N70°44'46"E	13°42'08"
C81	205.00'	148.13'	77.47'	144.93'	S79°04'31"W	41°24'07"
C82	993.00'	60.02'	30.02'	60.01'	S55°43'23"W	03°27'47"
C83	610.00'	10.00'	5.00'	10.00'	S31°37'24"E	00°56'22"
C84	610.00'	372.83'	192.44'	367.05'	S14°35'01"E	35°01'08"
	(610.00')	(372.83')				
C85	550.00'	198.07'	100.12'	197.00'	S07°23'27"E	20°38'00"
	(550.00')	(196.86')				
C86	580.00'	217.17'	109.87'	215.91'	N07°48'03"W	21°27'14"
	(580.00')	(215.97')				
C87	580.00'	354.49'	182.98'	349.00'	N14°35'01"W	35°01'08"
	(580.00')	(354.49')				
C88	920.00'	28.55'	14.28'	28.55'	N28°48'48"E	01°46'41"

CURVE DATA CONT.

CURVE	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING	DELTA
C89	25.00'	17.91'	9.36'	17.53'	N09°10'32"E	41°03'12"
C90	40.00'	184.84'		59.09'	S58°58'13"E	264°45'41"
C91	25.00'	19.14'	10.06'	18.67'	S51°28'53"W	43°51'30"
C92	874.00'	24.83'	12.42'	24.83'	S28°44'18"W	01°37'40"
~~C93~~	~~475.00'~~	~~11.12'~~	~~5.56'~~	~~11.12'~~	~~N32°52'24"W~~	~~01°20'28"~~
~~C94~~	~~25.00'~~	~~26.55'~~	~~14.68'~~	~~25.32'~~	~~N63°57'58"W~~	~~60°50'41"~~
~~C95~~	~~40.00'~~	~~163.45'~~		~~71.24'~~	~~N22°40'23"E~~	~~234°07'24"~~
~~C96~~	~~525.00'~~	~~73.88'~~	~~37.00'~~	~~73.82'~~	~~S36°14'02"E~~	~~08°03'45"~~

State of New Mexico } SS
County of Bernalillo
This instrument was filed for record on
9:30 JUL - 9 1996
At __ o'clock A m. Recorded in Vol 96C
of records of said County Folio 302
Clerk & Recorder
Deputy Clerk

TANGENT DATA

TANGENT	BEARING	DISTANCE
T1	S04°30'40"W	107.74'
T2	S53°49'09"E	168.93'
	(S53°50'33"E)	(168.97')
T3	N89°21'16"W	50.00'
	(N89°20'49"W)	(50.00')
T4	S70°03'14"W	94.29'
T5	N48°00'34"W	111.00'
T6	S53°21'54"W	135.94'
T7	S63°39'20"W	135.54'
T8	S20°29'20"W	60.00'
T9	N69°30'40"W	53.96'
T10	S57°54'25"W	52.40'
T11	S74°22'37"E	112.00'
T12	N08°19'45"W	108.75'
T13	S08°19'45"E	114.79'
T14	N69°30'40"W	53.96'
T15	N56°43'01"E	57.86'
	(N56°43'03"E)	
T16	S53°21'54"W	55.03'
T18	S32°05'33"E	39.95'
T20	N57°54'25"E	25.01'
T21	S15°51'19"E	8.00'
T22	N74°08'41"E	110.00'
T23	S57°54'25"W	35.35'
T24	S32°05'35"E	122.13'
T25	S53°21'54"W	80.91'
T26	S53°07'48"E	58.98'
T27	S60°56'43"E	40.48'
T28	S81°15'14"E	51.72'

TANGENT	BEARING	DISTANCE
T31	S56°18'36"E	56.71'
T32	S68°44'58"E	75.94'
T33	S86°59'14"E	74.81'
T34	N87°16'25"E	43.77'
T35	S81°52'11"E	79.84'
T36	S74°55'53"E	76.00'
T37	S60°54'19"E	64.28'
T38	N75°57'50"E	59.81'
T39	N60°56'43"E	89.61'
T40	N73°18'03"E	30.29'
T41	S82°52'31"E	23.39'
T42	S81°01'39"E	55.81'
T43	S90°00'00"E	37.72'
T44	N72°53'50"E	39.46'
T45	N61°23'22"E	72.71'
T46	N87°47'51"E	64.50'
T47	S55°00'29"E	87.79'
T48	S39°48'20"E	93.62'
T49	S34°41'43"E	75.81'
T50	S47°56'58"E	99.57'
T51	S57°47'50"W	50.00'
T52	S50°34'52"E	8.24'
T53	S48°38'04"E	95.89'
	(S48°38'02"E)	(95.89')
T54	S56°43'01"W	25.00'
	(S56°43'03"W)	(25.00')
T55	S33°16'59"E	45.00'
	(S33°16'57"E)	(45.00')
T56	S56°43'01"W	30.00'

TANGENT	BEARING	DISTANCE
T58	S56°43'01"W	25.00'
	(S56°43'03"W)	(25.00')
T59	N56°51'00"W	84.52'
	(N56°50'58"W)	(84.52')
T60	N79°29'21"E	50.00'
	(N79°32'06"E)	(50.00')
T61	N15°10'44"E	94.89'
T62	S56°43'01"W	32.86'
T63	S32°05'33"E	4.00'
T64	N78°35'24"E	84.85'
	(N78°35'35"E)	
T65	S11°24'36"E	10.00'
	(S11°24'26"E)	
T66	S78°35'24"W	85.39'
	(78°35'35"W)	
T67	S08°19'45"E	131.26'
	(S08°19'34"E)	(131.12')
T68	S08°19'45"E	20.00'
	(S08°19'34"E)	
T69	N09°40'15"E	30.00'
	(N09°40'26"E)	
T70	S86°19'45"E	125.00'
	(S86°19'34"E)	
T71	N11°28'46"W	100.00'
	(N11°28'35"W)	
T72	S83°31'06"W	155.08'
	(S83°31'17"W)	
T73	N08°19'45"W	35.00'
	(N08°19'34"W)	

TANGENT	BEARING	DISTANCE
T76	S32°05'35"E	20.00'
	(S32°05'34"E)	
T77	N32°05'35"W	152.13'
T78	N57°54'25"E	30.00'
T79	S32°05'35"E	122.13'
T80	S32°05'35"E	20.00'
	(N32°05'33"W)	
T81	S15°51'59"E	230.67'
	(S15°51'19"E)	(230.67')
T82	S28°59'41"E	227.15'
	(S28°59'39"E)	(227.15')
T83	S75°42'14"E	47.94'
	(S75°42'12"E)	(50.00')
T84	S48°38'04"E	50.36'
	(S48°38'02"E)	
T85	N62°04'32"W	46.00'

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.

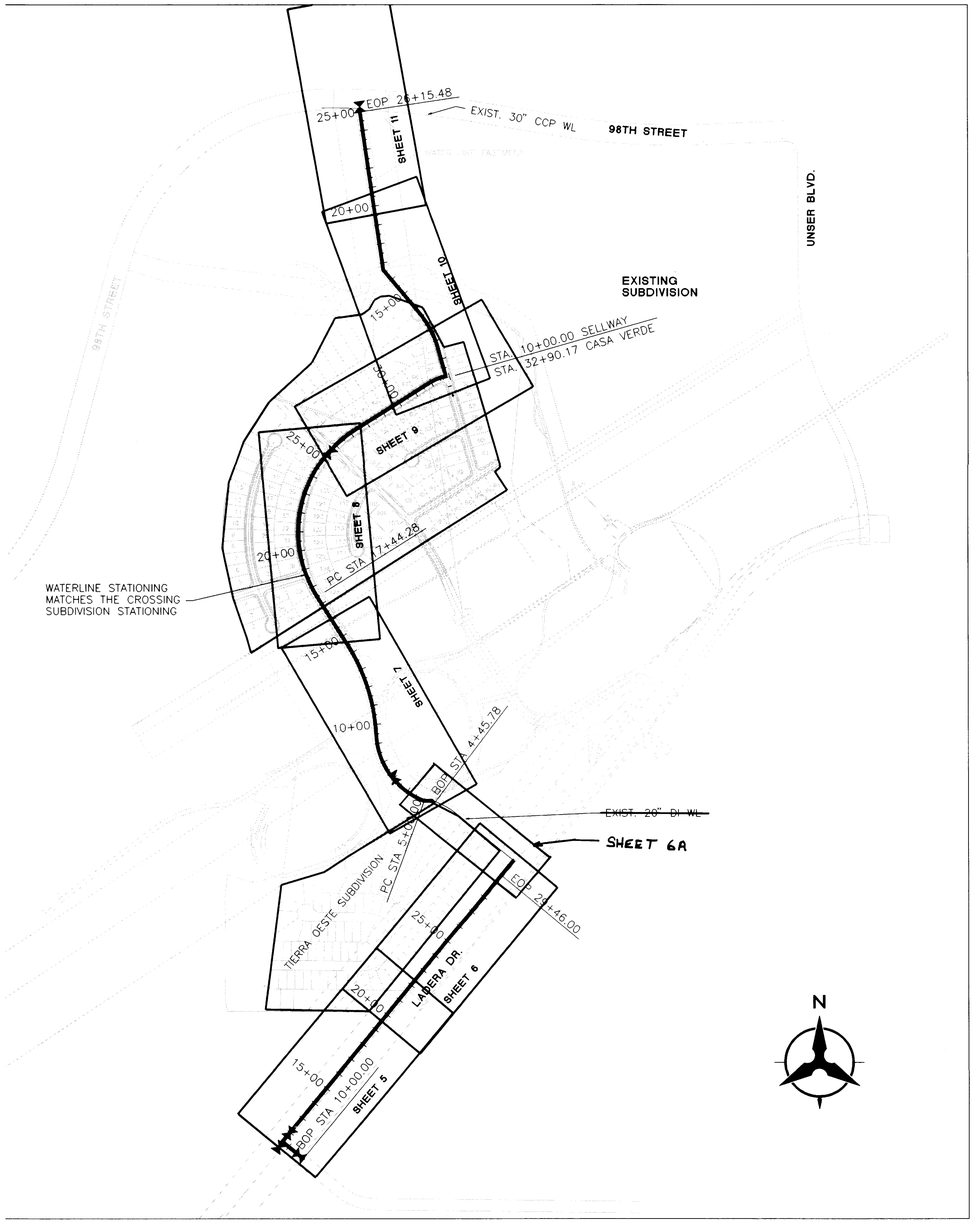
B. PNM Gas Services for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas. natural gas.

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.
Additional Public Utility Easements may be necessary or future platting.

JOB NO. 95335-A-3212



OVERALL PLAN

NTS. ZONE MAP No. H-9;J-9

RESTRAINED JOINT LENGTH SCHEDULE

FITTING NO.	LOCATION	STATION	FITTING	LENGTH	COMMENT
⟨1⟩	GAVIN RD.	10+00	12" CAP & 12" GATE VALVE	50.0'	RESTRAIN JOINTS: FROM STA. 10+00 TO STA. 10+50
⟨2⟩	LADERA DR.	11+38	1-20"x12" TEE	86.0' & 16.0'	RESTRAIN JOINTS: FROM 20" CAP TO STA. 12+24 AND FROM STA. 11+22 TO STA. 11+38
⟨3⟩	LADERA DR.	29+46	TIE TO EXIST. 20" WL.	6.0'	RESTRAIN JOINTS: FROM STA. 29+40 TO STA. 29+46
⟨4⟩	CASA VERDE AVE.	4+55.33, 10'RT.	20" 22.5° BEND	9.0'	
⟨5⟩	CASA VERDE AVE.	5+00, 7'LT.	20" 22.5° BEND	9.0'	
⟨6⟩	CASA VERDE AVE.	7+00, 7' LT.	20" BUTTERFLY VALVE	80.0'	
⟨7⟩	CASA VERDE AVE.	25+29, 7'LT.	20" BUTTERFLY VALVE	80.0'	
⟨8⟩	CASA VERDE AVE.	32+24.11, 10.09'LT.	20" 22.5° BEND	9.0'	
⟨9⟩	CASA VERDE AVE. SELLWAY PL.	32+63, 7'LT. 10+27, 7'LT.	2-20" 45° BEND	18.0'	RESTRAIN JOINTS: FROM STA. 32+45, 7' LT. (CASA VERDE) TO STA. 10+45, 7' LT. (SELLWAY)
⟨10a⟩ ⟨10b⟩	ARROYO CROSSING	15+50, 7'LT. 17+10, 7'LT.	20" 11.25° BEND 20"-22.5° BEND	4.0' 8.0'	RESTRAIN JOINTS: FROM 15+46, 7'LT. TO 15+54, 7'LT.
⟨11⟩	ARROYO CROSSING	17+15.00, 7'LT.	20" 45° BEND (VERTICAL)	11.0'	RESTRAIN JOINTS: FROM STA. 17+02, 7' LT. TO STA. 17+47, 7' LT.
⟨12⟩	ARROYO CROSSING	17+22.08, 7'LT.	20" 45° BEND (VERTICAL)	25.0'	
⟨13⟩	98TH ST.	25+16, 7'LT.	20" TAPPING VALVE	87.0'	RESTRAIN JOINTS: FROM STA. 24+28, 7' LT. TO STA. 25+15.48, 1.07' RT

NOTE: RESTRAINED JOINTS ON ALL FITTINGS. RESTRAINED JOINTS LENGTHS EACH SIDE OF FITTING UNLESS OTHERWISE NOTED.

GENERAL NOTES:

1. WHEN CONFLICTS EXIST BETWEEN THE "STANDARD SPECIFICATIONS" AND THE "PLANS" ("PLANS" SHALL MEAN THE SHEETS NUMBERED 1 OF 12 THROUGH 12 OF 12 ENTITLED "CONSTRUCTION PLANS FOR COLLEGE TRUNK – MASTER PLAN 20" WATERLINE), THE CONSTRUCTION OBSERVER SHALL BE NOTIFIED IMMEDIATELY FOR RESOLUTION. SEE SEC. 3.2 OF THE STD. SPECS.
2. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS GOVERNING CONSTRUCTION SAFETY AND HEALTH.
3. ALL BIDDERS ARE CAUTIONED TO INVESTIGATE SITE CONDITIONS BEFORE SUBMITTING THEIR BIDS.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND QUANTITES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO CONFLICTS CAN BE RESOLVED WITHOUT UNREASONABLE DELAY.
6. THE CONTRACTOR SHALL BE REQUIRED TO CONFINE ITS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY OR EASEMENT TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY.
7. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, TOPSOIL DISTURBANCE AND EXCAVATION PERMITS, ETC.)
8. ALL TRENCHES AND EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED ACCORDING TO OSHA CONSTRUCTION SAFETY AND HEALTH STANDARDS. JOB SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. ALL STATIONING IS BASED ON WATERLINE CENTERLINE, UNLESS OTHERWISE NOTED.
10. THE CONTRACTOR SHALL SUPPLY SHOP DRAWINGS TO THE ENGINEER FOR ALL FABRICATED MATERIALS TO BE SUPPLIED WITH THIS CONTRACT.

WATERLINE REQUIREMENTS:

1. ALL NEW PIPING MUST BE DISINFECTED AND PRESSURE TESTED PRIOR TO BEING PUT INTO SERVICE.
2. THE CONTRACTOR SHALL KEEP OR DISPOSE OF ALL REMOVED WATERLINE AND FITTINGS. COST IS INCIDENTAL TO THE PROJECT.
3. ALL FITTINGS SHALL HAVE RESTRAINED JOINTS. RESTRAINED JOINTS SHALL ALSO BE PROVIDED AS SPECIFIED IN THE PLANS AND IN THE TABLE ON THIS SHEET.

EXISTING UTILITIES:

1. THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH LOCAL UTILITIES, ENGINEERING OFFICIALS, AND PREVIOUS CONSTRUCTION DRAWINGS PROVIDED TO OR OBTAINED BY THE ENGINEER. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES IN THE IMMEDIATE VICINITY OF THE PROJECT MAY BE SLIGHTLY DIFFERENT FROM THE LOCATION SHOWN ON THIS DRAWING. IF ADDITIONAL LINES ARE ENCOUNTERED, THEY SHALL BE EXPOSED AND IDENTIFIED BY THIS CONTRACTOR. WHERE ADDITIONAL LINES AND/OR DIFFERING LOCATIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL REQUEST THAT THE ENGINEER MAKE A RULING AS TO ANY NECESSARY CHANGE OF MATERIALS, RE-ROUTING, ABANDONING OR RELOCATING OF SUCH LINES.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATION SERVICE (765-1234) FOR LOCATION OF EXISTING UTILITIES.
3. ALL ELECTRICAL, TELEPHONE, CABLE TV, AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.
4. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE, ALL EXISTING UTILITIES.
5. CONTRACTOR SHALL PAY FOR ANY AND ALL COSTS OF PERMITS, LINE EXTENSIONS, FIRELINES, METER INSTALLATION, ETC., AS REQUIRED BY LOCAL GOVERNING UTILITIES ENGINEERING OFFICIALS.

CONSTRUCTION SIGNING: UNLESS GOVERNED BY A SPECIFIC PLAN, THE FOLLOWING NOTES APPLY:

1. ALL BARRICADES AND SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST REVISION EDITION.
2. CONTRACTOR SHALL PREPARE A CONSTRUCTION SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC DIVISION, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
3. CONTRACTOR SHALL MAINTAIN ALL BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADES AT THE END AND BEGINNING OF EACH DAY.

EARTHWORK:

1. SITE STRIPINGS FROM WATERLINE EXCAVATION SHALL BE WINDROWED ADJACENT TO WATERLINE TRENCH AS DIRECTED BY THE CONSTRUCTION OBSERVER. STRIPINGS SHALL BE ULTIMATELY PLACED OVER THE BACKFILLED TRENCHES.

AS-BUILT INFORMATION
CONTRACTOR MCC Inc. DATE 8/97
STAKED BY DATE
INSPECTOR'S MARKINGS BY COA DATE 8/97
FIELD VERIFICATION BY COA DATE 8/97
COMPUTED BY DATE
CORRECTED BY COA DATE 9/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
BENCH MARKS
BOHANNAN & HUSTON BRASS CAP STAMPED "BH-40" GEO GRAPHIC POSITION (NAD 1927) N.M. STATE PLANE COORDINATES X=352,790.66 Y=1,492,346.53 GROUND-TO-GRID FACTOR=0.99967105 ADC=-00°16'59" NGVD 1929 ELEVATION= 5305.43

FIELD NOTES

NO.	BY	DATE
1	BOHANNAN-HUSTON	10/95

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER 12844 NEW MEXICO

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 6/96
		DESIGNED BY: DEB	DATE 6/96
		DRAWN BY: JA	DATE 6/96
		CHECKED BY: CWH	

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

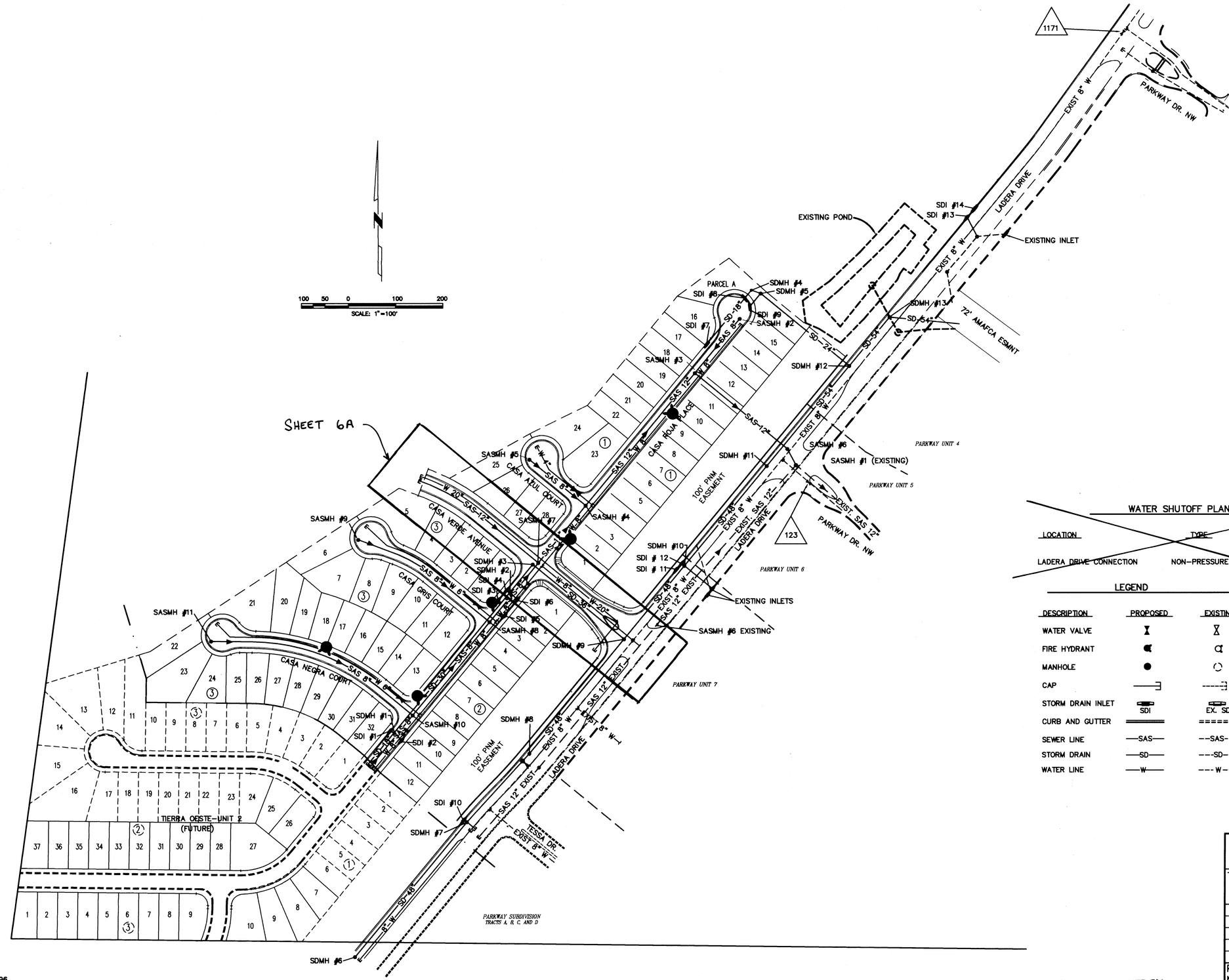
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

COLLEGE TRUNK – MASTER PLAN
20" WATERLINE
OVERALL PLAN

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5409.90	H-9;J-9	4	12

NO. 6178A2100.GAVIN.ACAD]OVERALL.DWG



WATER SHUTOFF PLAN

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

LEGEND

DESCRIPTION	PROPOSED	EXISTING
WATER VALVE	⧗	⧖
FIRE HYDRANT		
MANHOLE	●	○
CAP	—⊣	----⊣
STORM DRAIN INLET	SDI	EX. SDI
CURB AND GUTTER	═══	======
SEWER LINE	—SAS—	--SAS--
STORM DRAIN	—SD—	---SD--
WATER LINE	—W—	---W--

CMTA ENGINEERING INC.
333 Rio Rancho Dr. N.E., Ste. 101
Rio Rancho, New Mexico 87124

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

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

AS BUILT INFORMATION
CONTRACTOR MCC, INC. DATE
WORK ISSUED BY DATE
INSPECTOR'S ACCEPTANCE BY CoA DATE 8/97
FIELD VERIFICATION BY CoA DATE 8/97
DRAWING CORRECTED BY CoA DATE 9/17
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
WALLACE L. BINGHAM (7281) REGISTERED PROFESSIONAL ENGINEER NEW MEXICO
3/19/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	3-19-96	DESIGNED	RGG
	3-19-96	DRAWN BY	RGG
	3-19-96	CHECKED BY	LDR

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

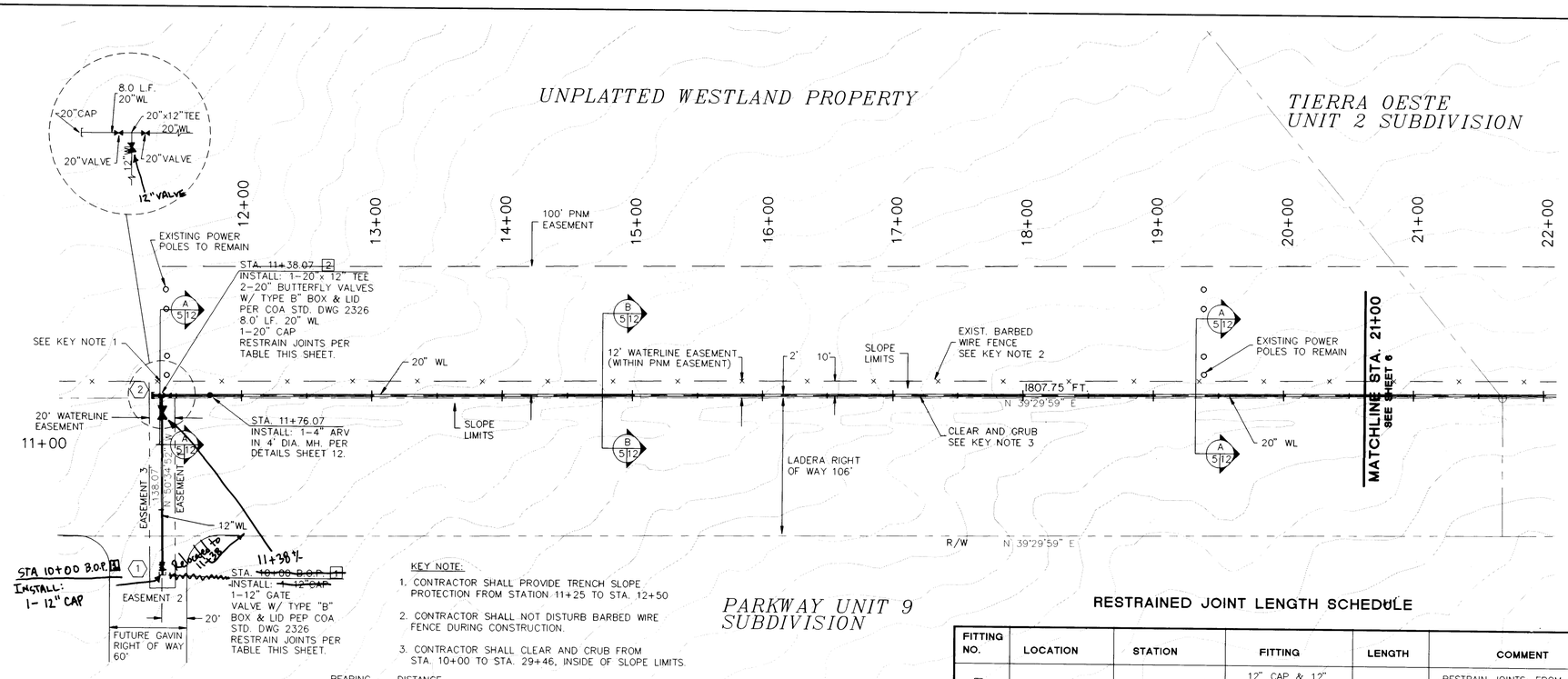
TITLE: TIERRA OESTE LIMITED CO.
COMPOSITE UTILITY PLAN
TIERRA OESTE UNIT 1

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology		
Trans. Dev.					
Utility Dev.					

PROJECT NO. ~~5297.00~~ 5409.90 | MAP NO. H9 & J9 | SHEET ~~4~~ 4A ~~21~~ OF ~~30~~

SCANNED BY BY LASON

26-5409.90 AAR7



KEY NOTE:

1. CONTRACTOR SHALL PROVIDE TRENCH SLOPE PROTECTION FROM STATION 11+25 TO STA. 12+50
2. CONTRACTOR SHALL NOT DISTURB BARBED WIRE FENCE DURING CONSTRUCTION.
3. CONTRACTOR SHALL CLEAR AND GRUB FROM STA. 10+00 TO STA. 29+46, INSIDE OF SLOPE LIMITS.

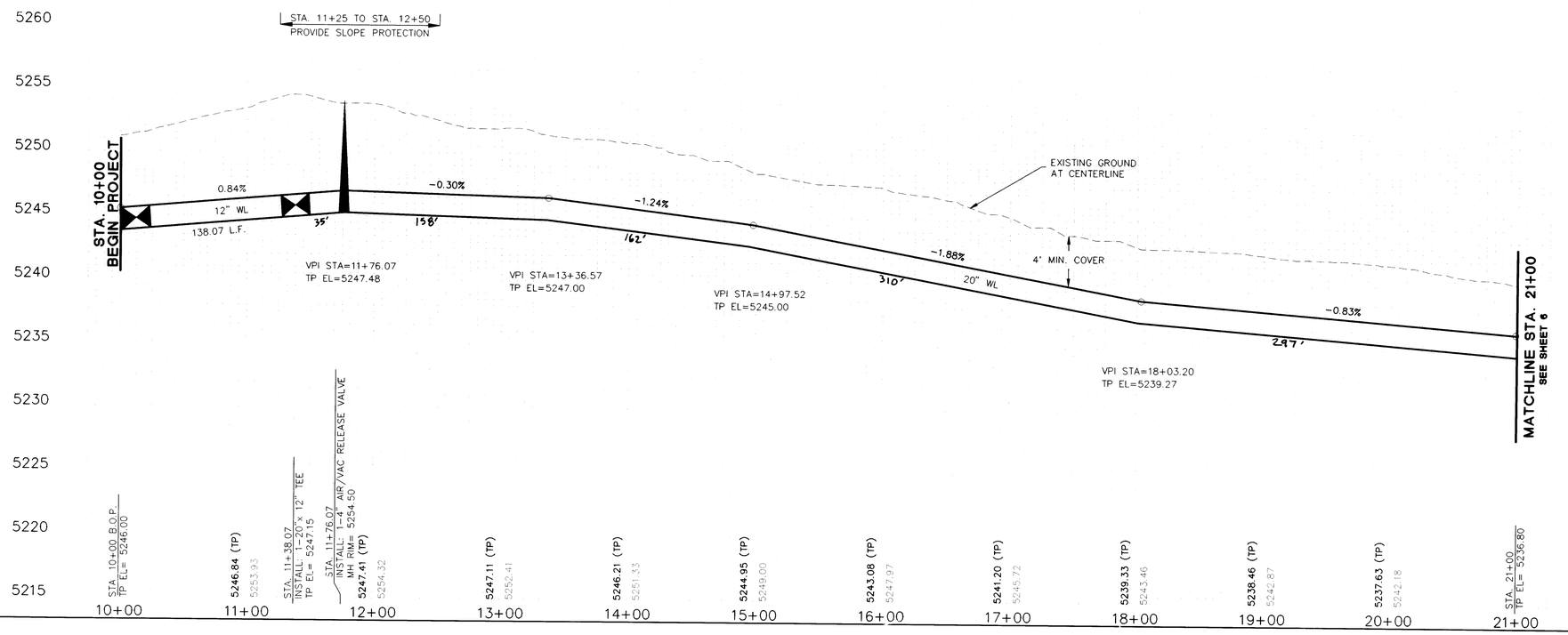
	BEARING	DISTANCE
EASEMENT 1 –	S50°30'41"E	145.93'
EASEMENT 2 –	S39°29'19"W	20.00'
EASEMENT 3 –	S50°30'41"E	157.93'
EASEMENT RECORDED BK 96-13 PG. 2280-2283 MAY 8, 1996		

20" WATERLINE

RESTRAINED JOINT LENGTH SCHEDULE

FITTING NO.	LOCATION	STATION	FITTING	LENGTH	COMMENT
1	GAVIN RD.	10+00	12" CAP & 12" BUTTERFLY VALVE	50.0'	RESTRAIN JOINTS: FROM STA. 10+00 TO STA. 10+50
2	LADERA DR.	11+38	1-20"x 12" TEE	86.0' & 16.0'	RESTRAIN JOINTS: FROM 20" CAP TO STA. 12+24 AND FROM STA. 11+22 TO STA. 11+38

NOTE: RESTRAINED JOINTS ON ALL FITTINGS. RESTRAINED JOINTS LENGTHS EACH SIDE OF FITTING UNLESS OTHER WISE NOTED.



SCALES: 1" =50' HOR
1" =5' VER

GENERAL NOTES:

1. ALL PROFILE ELEVATIONS GIVEN ARE TOP OF PIPE (TP) OF 12" OR 20" WATERLINE, AND EXISTING GROUND AT WATERLINE.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
3. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF OTHER CONTRACTORS ON SITE.
4. MINIMUM COVER ON 20" WATERLINE IS 4.0'.
5. ALL VALVES REQUIRE A WATER VALVE CRADLE PER DETAILS SHEET 12.

SURVEY DATA

POINT No.	STA.	X	Y
1	10+00.00	353,707.5263	1,490,721.2394
2	11+38.07	353,600.8632	1,490,808.9123

LEGEND:

- EXIST. POWER POLES
- EXIST. BARBED WIRE FENCE
- SLOPE LIMITS
- PROPOSED 20" WATERLINE
- (1) FITTING NUMBER (SEE SHEET 4)
- RIGHT OF WAY (R/W)
- GATE VALVE

AS-BUILT INFORMATION
CONTRACTOR MCC, Inc. DATE
STAKED BY DATE
INSPECTOR'S MARKINGS BY CoA DATE 9/97
FIELD VERIFICATION BY CoA DATE 9/97
DRAWN BY CoA DATE 9/97
CORRECTED BY DATE

BENCH MARKS
BOHANNAN & HUSTON BRASS CAP STAMPED "BH-40" GEO GRAPHIC POSITION (NAD 1927) N.M. STATE PLANE COORDINATES: X=352,790.66 Y=1,492,346.53 GROUND-TO-GRID FACTOR=0.99967105 ADC=-00°16'59"

MICRO-FILM INFORMATION
RECORDED BY DATE
NGVD 1929 ELEVATION= 5305.43

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	BOHANNAN-HUSTON	10/95

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: DEB DATE 6/96
DRAWN BY: JA DATE 6/96
CHECKED BY: CWH DATE 6/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

COLLEGE TRUNK – MASTER PLAN
20" WATERLINE
WATERLINE PLAN & PROFILE LADERA STA. 10+00 TO 21+00

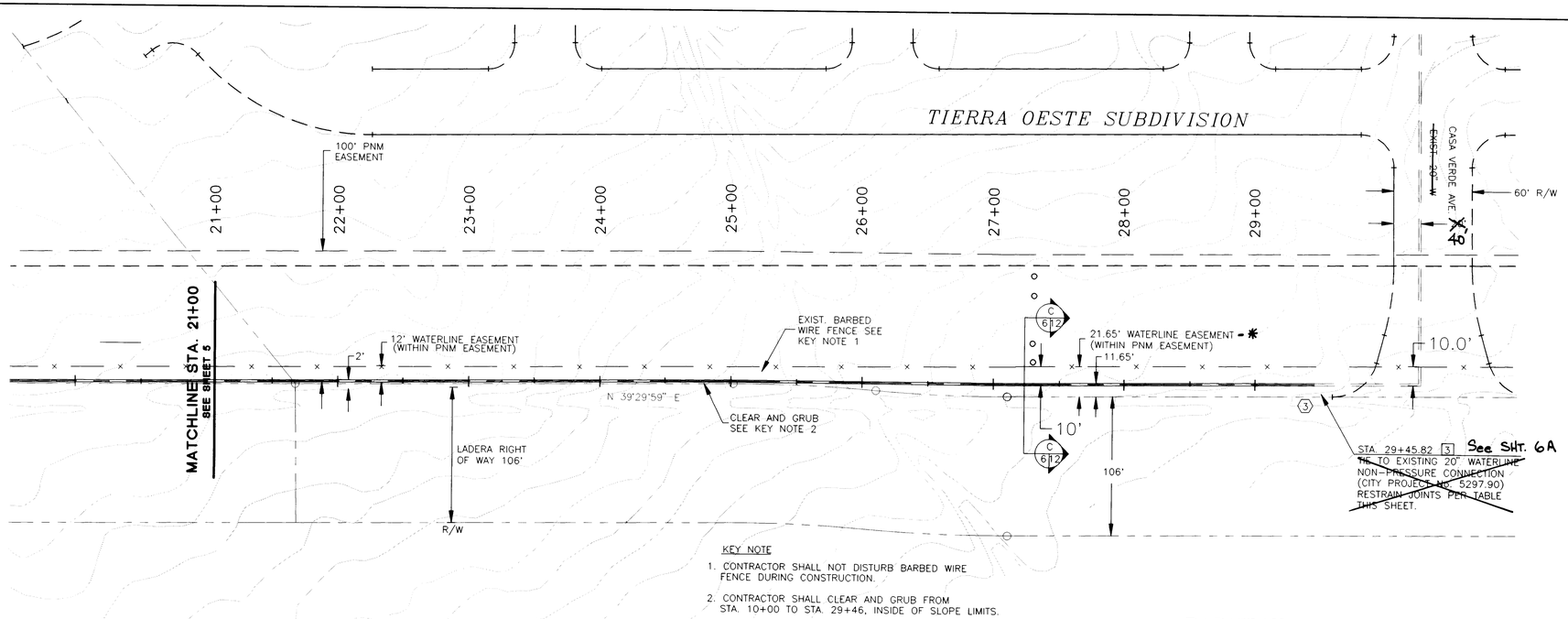
CITY ENGINEER COMMENTS | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 5409.90
ZONE MAP NO. H-9; J-9
SHEET 5 OF 12

HYDRO:[H96178A2100.GAVIN.ACAD]: RCP01200.DWG

SCANNED BY BY LASON

261-5409.99 0597



KEY NOTE

1. CONTRACTOR SHALL NOT DISTURB BARBED WIRE FENCE DURING CONSTRUCTION.
2. CONTRACTOR SHALL CLEAR AND GRUB FROM STA. 10+00 TO STA. 29+46, INSIDE OF SLOPE LIMITS.

* EASEMENT RECORDED May 8, 1996
BK 96-13 PG 2280-2283.

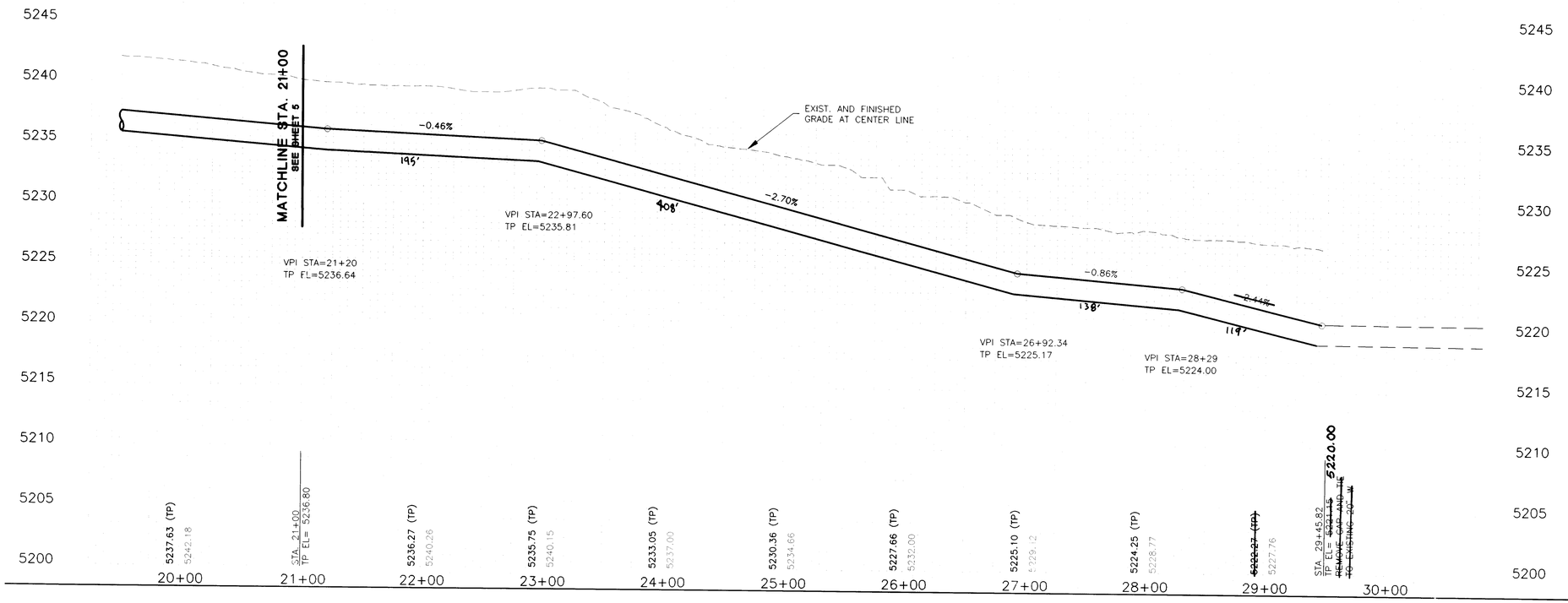
PARKWAY UNIT 7 SUBDIVISION

RESTRAINED JOINT LENGTH SCHEDULE

FITTING NO.	LOCATION	STATION	FITTING	LENGTH	COMMENT
3	LADERA DR.	29+46	TIE TO EXIST. 20" WL.	6.0'	RESTRAIN JOINTS: FROM STA. 29+40 TO STA. 29+46

NOTE: RESTRAINE JOINTS ON ALL FITTING. RESTRAINED JOINTS LENGTHS EACH SIDE OF FITTING UNLESS OTHERWISE NOTED.

20" WATERLINE



SCALES: :' =50' HOR
1" =5' VER

GENERAL NOTES:

1. ALL PROFILE ELEVATIONS GIVEN ARE TOP OF PIPE (TP) OF 20" WATERLINE, AND EXISTING GROUND AT WATERLINE.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
3. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF OTHER CONTRACTORS ON SITE.
4. ALL VALVES REQUIRE A WATER VALVE CRADLE PER DETAILS SHEET 12.
5. MINIMUM COVER ON 20" WATERLINE IS 4.0'.

SURVEY DATA

POINT No.	STA.	X	Y
3	29+45.82	354,750.7329	1,492,203.8233

LEGEND:

- EXIST. POWER POLES
- EXIST. BARBED WIRE FENCE
- SLOPE LIMITS
- PROPOSED 20" WATERLINE
- (1) FITTING NUMBER (SEE SHEET 4)
- PROPOSED VALVE
- RIGHT OF WAY (R/W)

SURVEY INFORMATION
FIELD NOTES
NO. 1 | BY: BOHANNAN-HUSTON | DATE: 10/95
GEO GRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
X=352,790.66 Y=1,492,346.53
GROUND-TO-GRID FACTOR=0.999967105
ADJ=-00°16'59"
NGVD 1929 ELEVATION= 5305.43

AS-BUILT INFORMATION
CONTRACTOR M.C.C., Inc. DATE
INSPECTOR'S NOTATIONS MADE BY: CoA DATE 8/97
FIELD VERIFICATION BY: CoA DATE 8/97
CORRECTIONS MADE BY: CoA DATE 9/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BOHANNAN & HUSTON BRASS CAP STAMPED "BH-40"

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY: DEB	DATE 6/96
		DRAWN BY: JA	DATE 6/96
		CHECKED BY: CWH	DATE 6/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

COLLEGE TRUNK-MASTER PLAN 20" WATERLINE
WATERLINE PLAN & PROFILE
LADERA STA. 21+00 TO 29+46.00

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

CITY PROJECT NO. 5409.90 | ZONE MAP NO. H-9;J-9 | SHEET 6 OF 12

SCANNED BY BY LASON

26-5A09.610 10647

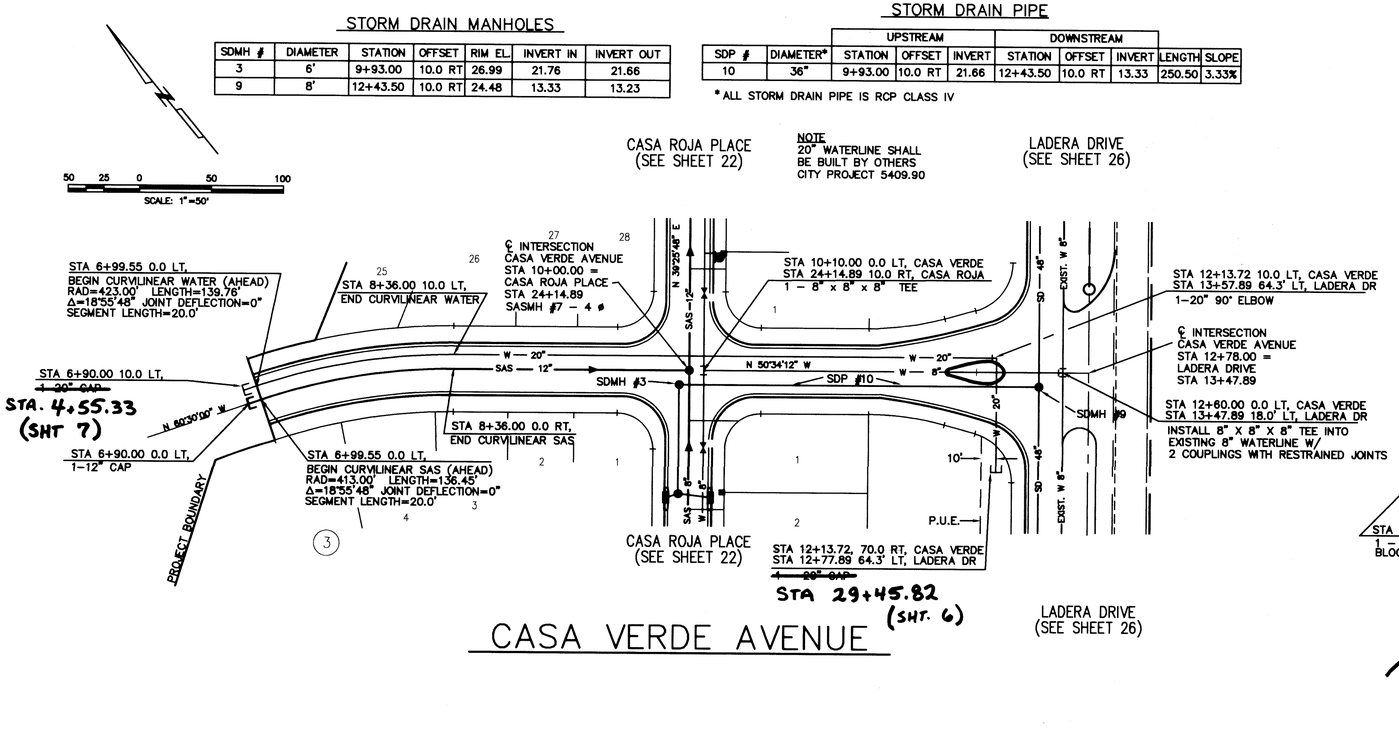
STORM DRAIN MANHOLES

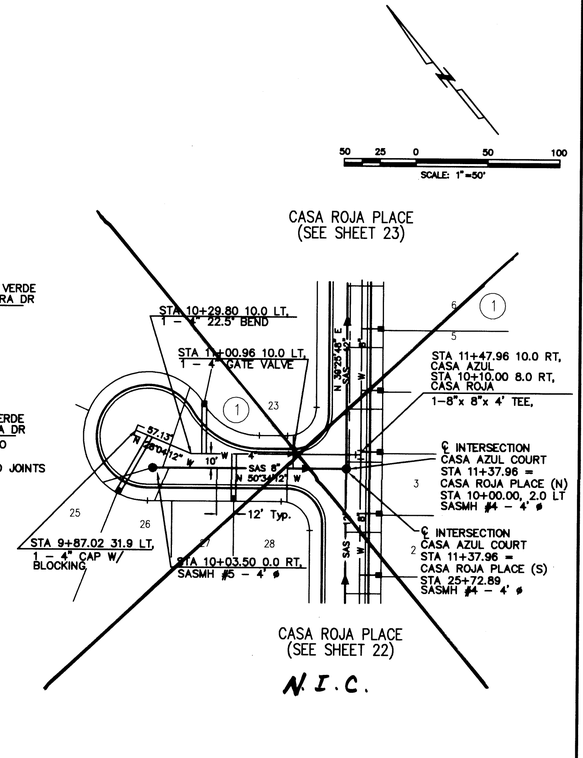
SDMH #	DIAMETER	STATION	OFFSET	RIM EL.	INVERT IN	INVERT OUT
3	6'	9+93.00	10.0 RT	26.99	21.76	21.66
9	8'	12+43.50	10.0 RT	24.48	13.33	13.23

STORM DRAIN PIPE

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

* ALL STORM DRAIN PIPE IS RCP CLASS IV





GENERAL NOTES:

1. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDER-GROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWERLINE COSTS.
2. ALL WATERLINE AND SEWERLINE STATIONING REFERS TO STREET CENTERLINE STATIONING.
3. ALL FITTINGS ON WATERLINE SHALL HAVE RESTRAINED JOINTS PER TABLE THIS SHEET.
4. ~~CONSTRUCT GAS SERVICES PER C.O.A. DWG #2120.~~
5. ~~CONSTRUCT FIRE HYDRANTS PER DEPARTMENTAL DETAIL AND LENGTHS PER C.O.A. DWG #2415.~~
6. ~~CONSTRUCT ALL WATER SERVICES PER C.O.A. DWGS #2401, #2402, AND #2403.~~
7. ~~UNLESS OTHERWISE NOTED, ALL GAS MAINLINES SHALL BE 4" DIAMETER, TYPE "E" PER C.O.A. DWG #2102.~~
8. ~~ALL CURVILINEAR SEWERLINES AND WATERLINES SHALL BE SDR-21 PVC PIPE SEGMENTS WITH C-64 DEFLECTION AT PIPE JOINTS.~~
9. ~~ALL SEWERLINES AND WATERLINES SHALL BE CONSTRUCTED OF SVD UNLESS SPECIFIED OTHERWISE.~~
10. ~~ALL STORM DRAINS SHALL BE CONSTRUCTED OF RCP CLASS IV UNLESS SPECIFIED OTHERWISE.~~
11. ALL ELEVATIONS ARE BASED ON A DATUM ELEVATION 5200 AS ESTABLISHED BY BENCH MARKS.

LEGEND

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

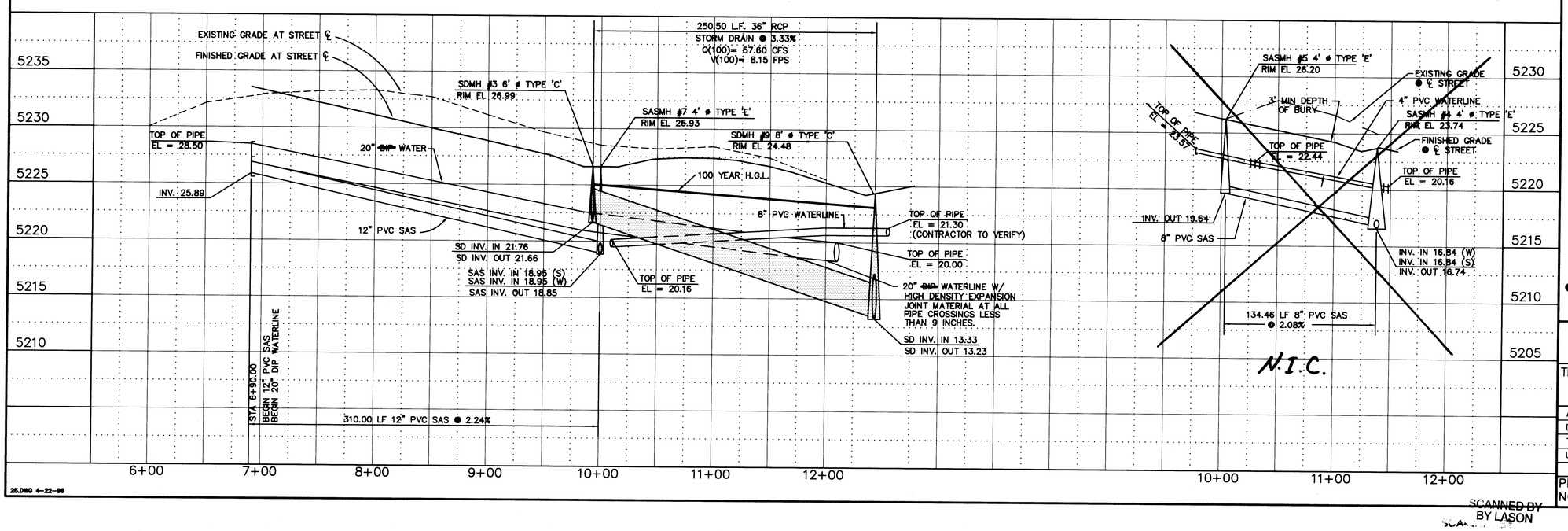
RESTRAINED JOINT TABLE

JOINT	RESTRAIN LENGTH
4" GATE VALVE	61'
4" 22.5° HORIZ. BEND	21'
4" 45° VERT. OFFSET	21'
4" GATE VALVE	61'
8" 22.5° HORIZ. BEND	21'
8" 45° HORIZ. BEND	21'
8" 22.5° VERT. OFFSET	21'
8" 45° VERT. OFFSET	21'
8" GATE VALVE	61'
8" 11.25° HORIZ. BEND	21'
8" 22.50° HORIZ. BENDS	21'
8" 45° HORIZ. BENDS	21'
8" 22.5° VERT. OFFSET	21'
8" 45° VERT. OFFSET	21'
20" 90° HORIZ. BEND	61'

SEWER SERVICE TABLE

CASA AZUL COURT		
BLOCK 1		
STATION ℄ PL	LOT	INV EL ℄ PL
STA 9+88.86	25	22.20
STA 10+04.96	26	21.30
STA 10+28.81	24	22.10
STA 10+47.96	27	20.30
STA 10+88.96	28	19.50
STA 11+02.86	23	19.30

N.I.C.



25.DWG 4-22-96

SCANNED BY BY LASON

SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION		
FIELD NOTES		ALBUQUERQUE ACS MONUMENT "BH-40"	CONTRACTOR M.C.C. Inc.		
NO.	BY DATE	LOCATED APPROXIMATELY 623' NORTH OF	WORK INSPECTED BY:	DATE	8/97
		AND 888' WEST OF THE NORTHWEST	INSPECTOR'S ACCEPTANCE BY: COA	DATE	9/97
		CORNER OF UNIT 1 BETWEEN TWO POWER	FINAL VERIFICATION BY: COA	DATE	9/97
		POLES.	DRAWINGS CORRECTED BY: COA	DATE	9/97
		ELEVATION = 5305.43	MICRO-FILM INFORMATION		
			RECORDED BY	DATE	
			NO.		

ENGINEER'S SEAL

WILLIAM L. BINGHAM, NEW MEXICO (7281) REGISTERED PROFESSIONAL ENGINEER 3/14/97

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	3-19-96	DESIGNED	RGG
	3-19-96	DRAWN BY	RGG
	3-19-96	CHECKED BY	LDR

CIERRA ENGINEERING INC.
333 Rio Rancho Dr. N.E., Ste. 101
Rio Rancho, New Mexico 87124

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

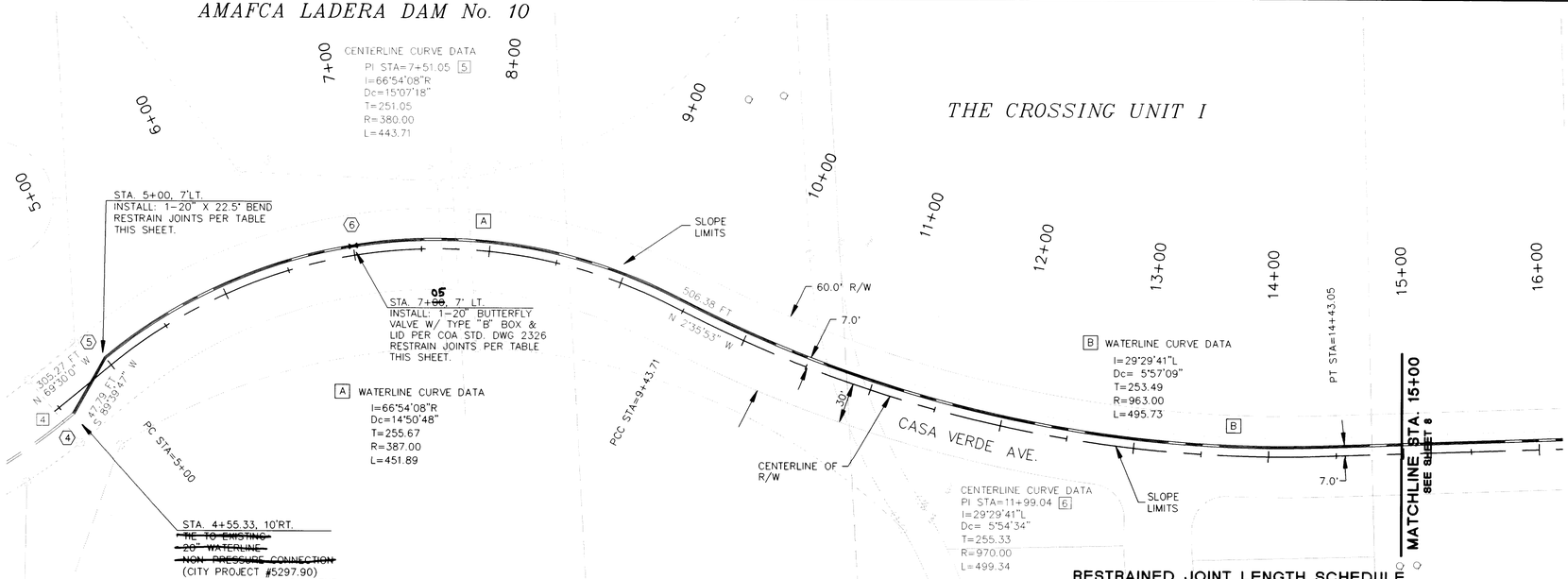
TITLE: TIERRA OESTE LIMITED CO.
UTILITY PLAN & PROFILE–CASA VERDA/CASA AZUL CT
TIERRA OESTE UNIT 1

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology		
Trans. Dev.					
Utility Dev.					

PROJECT NO. ~~5297.00~~ 540290 | MAP NO. H9 & J9 | SHEET OF 6A ~~25~~ ~~30~~

1-2-3-4-5-6-7-8-9-10-11-12-13-14
26-540A1.90 GA97

AMAFCA LADERA DAM No. 10



AMAFCA LADERA DAM No. 11

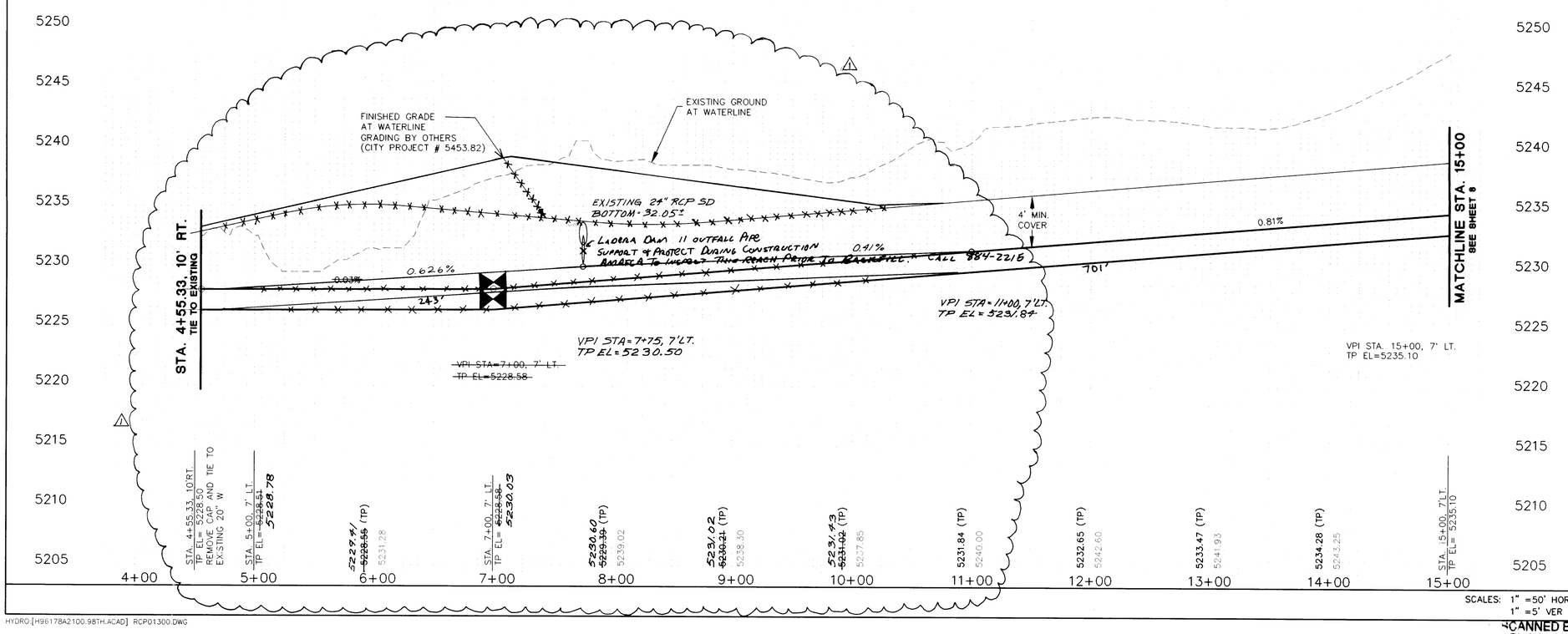
KEY NOTE: STATIONING IS ALONG THE CENTERLINE OF CASA VERDE AVE.

20" WATERLINE

RESTRAINED JOINT LENGTH SCHEDULE

FITTING NO.	LOCATION	STATION	FITTING	LENGTH	COMMENT
⟨4⟩	CASA VERDE AVE.	4+55.33, 10'RT.	20" 22.5° BEND	9.0'	
⟨5⟩	CASA VERDE AVE.	5+00, 7'LT.	20" 22.5° BEND	9.0'	
⟨6⟩	CASA VERDE AVE.	7+00, 7' LT.	20" BUTTERFLY VALVE	80.0'	

NOTE: RESTRAINED JOINTS ON ALL FITTINGS. RESTRAINED JOINTS LENGTHS EACH SIDE OF FITTING UNLESS OTHERWISE NOTED.



SCALES: 1" =50' HOR
1" =5' VER

HYDRO.[H96178A2100.98TH.ACAD] RCP01300.DWG

GENERAL NOTES:

1. ALL PROFILE ELEVATIONS GIVEN ARE TOP OF PIPE (TP) OF 20" WATERLINE, AND EXISTING GROUND AT WATERLINE.
2. MINIMUM COVER ON 20" WATERLINE IS 4.0'
3. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF OTHER CONTRACTORS ON SITE.
4. ALL VALVES REQUIRE A WATER VALVE CRADLE PER DETAILS SHEET 12.

SURVEY DATA

POINT No.	STA.	X	Y
4	4+45.78	354,398.5244	1,492,581.046
5	7+51.05	354,112.5899	1,492,687.952
6	11+99.04	354,089.6383	1,493,193.815

LEGEND:

- SLOPE LIMITS
- PROPOSED 20" WATERLINE
- ⟨1⟩ FITTING NUMBER (SEE SHEET 4)
- [A] WATERLINE CURVE DATA
- PROPOSED VALVE

BENCH MARKS
BOHANNAN & HUSTON BRASS CAP
STAMPED "BH-40"
GEO GRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
X=352,790.66 Y=1,492,346.53
GROUND-TO-GRID FACTOR=0.99967105
ADC=-00°16'59"
NGVD 1929 ELEVATION= 5305.43

AS-BUILT INFORMATION
CONTRACTOR M.C.C. Inc. DATE
WORK STAKED BY: DATE
WORK STAKED BY: CoA DATE 8/97
ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: CoA DATE 8/97
DRAWINGS CORRECTED BY: CoA DATE 9/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	BOHANNAN-HUSTON	10/95

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY
1	5-4-97	REVISED WATERLINE PROFILE	DEB

DESIGN
DESIGNED BY DEB DATE 6/96
DRAWN BY JA DATE 6/96
CHECKED BY CWH DATE 6/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

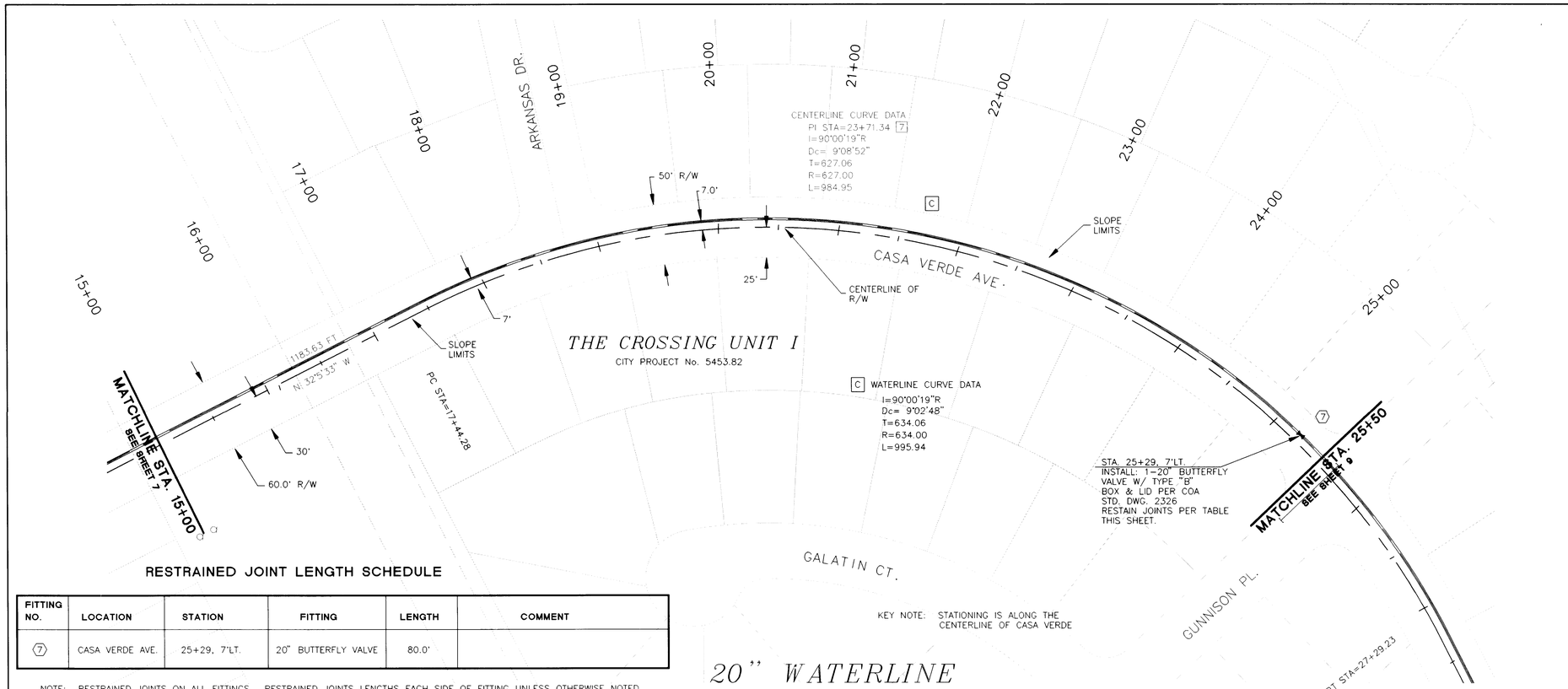
COLLEGE TRUNK-MASTER PLAN 20" WATERLINE
WATERLINE PLAN & PROFILE
CASA VERDE STA. 4+55.33 TO 15+00

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

CITY PROJECT NO. 5409.90
ZONE MAP NO. H-9; J-9
SHEET 7 OF 12

SCANNED BY LASON

26-5409.90-RCP01300.DWG

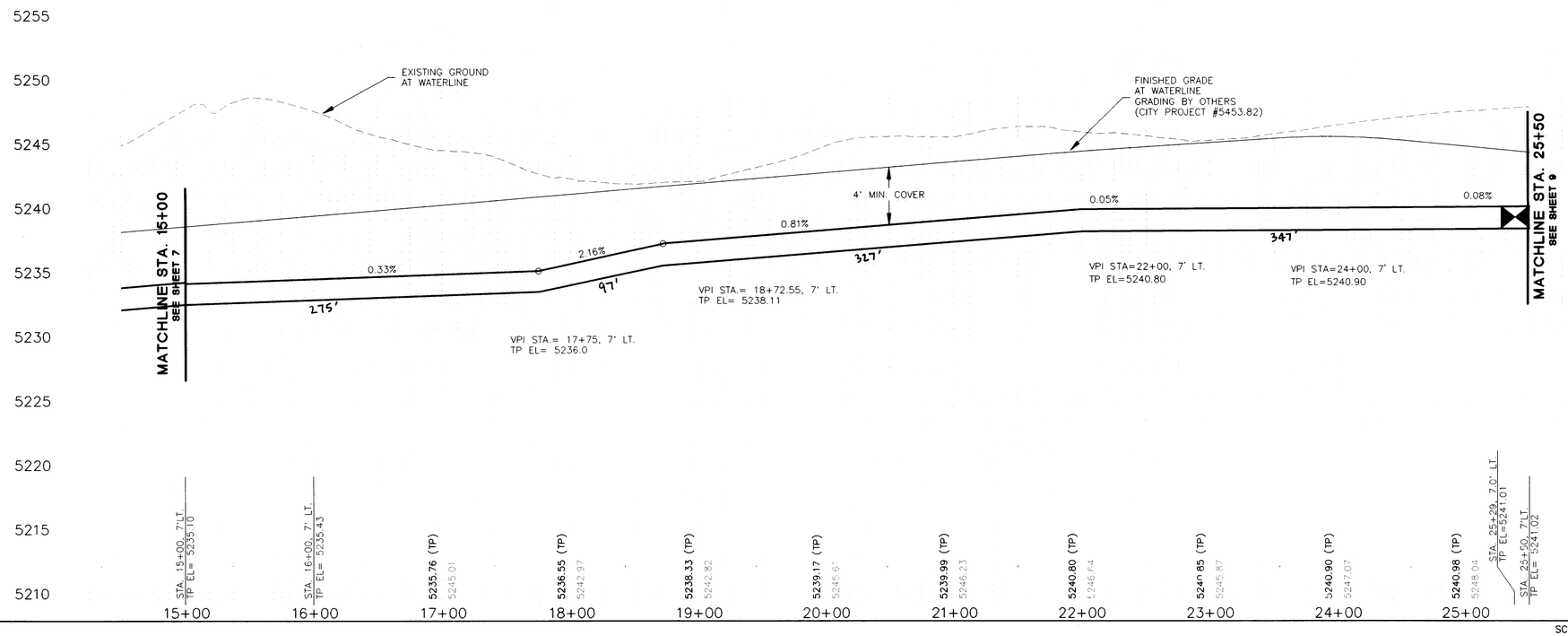


RESTRAINED JOINT LENGTH SCHEDULE

FITTING NO.	LOCATION	STATION	FITTING	LENGTH	COMMENT
7	CASA VERDE AVE.	25+29, 7'LT.	20" BUTTERFLY VALVE	80.0'	

NOTE: RESTRAINED JOINTS ON ALL FITTINGS. RESTRAINED JOINTS LENGTHS EACH SIDE OF FITTING UNLESS OTHERWISE NOTED.

20" WATERLINE



SCALES: 1" =50' HOR
1" =5' VER

GENERAL NOTES:

1. ALL PROFILE ELEVATIONS GIVEN ARE ARE TOP OF PIPE (TP) OF 20" WATERLINE, AND EXISTING GROUND AT WATERLINE.
2. ALL VALVES REQUIRE A WATER VALVE CRADLE PER DETAILS SHEET 12.
3. MINIMUM COVER ON 20" WATERLINE IS 4.0'.
4. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF OTHER CONTRACTORS ON SITE.

SURVEY DATA

POINT No.	STA.	X	Y
7	23+71.34	353,460.7911	1,494,196.574

LEGEND:

- SLOPE LIMITS
- PROPOSED 20" WATERLINE
- 1 FITTING NUMBER (SEE SHEET 4)
- A WATERLINE CURVE DATA

N

AS-BUILT INFORMATION
CONTRACTOR MCC, Inc. DATE
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY COA DATE 9/97
FIELD VERIFICATION BY COA DATE 8/97
DRAWINGS CORRECTED BY COA DATE 9/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BOHANNAN & HUSTON BRASS CAP
STAMPED "BH-40"
GEO GRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
X=352,790.66 Y=1,492,346.53
GROUND-TO-GRID FACTOR=0.99967105
ADC=-00°16'59"
NGVD 1929 ELEVATION= 5305.43

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	BOHANNAN-HUSTON	10/95

ENGINEER'S SEAL
ALLEN W. HOOVER NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 7686

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY DEB DATE 6/96
DRAWN BY JA DATE 6/96
CHECKED BY CWH DATE 6/96

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

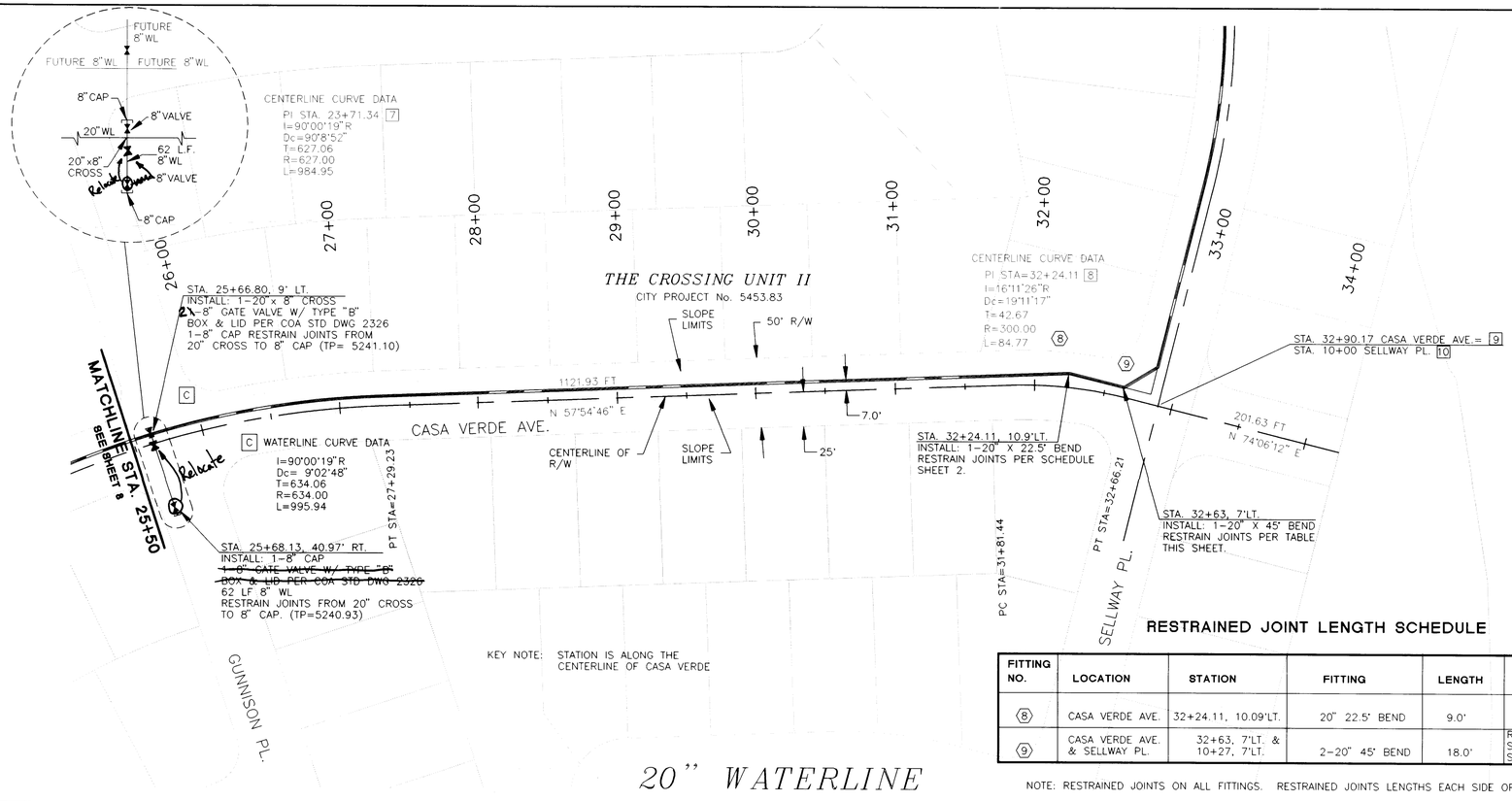
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

COLLEGE TRUNK-MASTER PLAN 20" WATERLINE
WATERLINE PLAN & PROFILE
CASA VERDE STA. 15+00 TO 25+50

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5409.90	H-9; J-9	8	12

HYDRO:[H96178A2100.98TH.ACAD] RCP02300.DWG

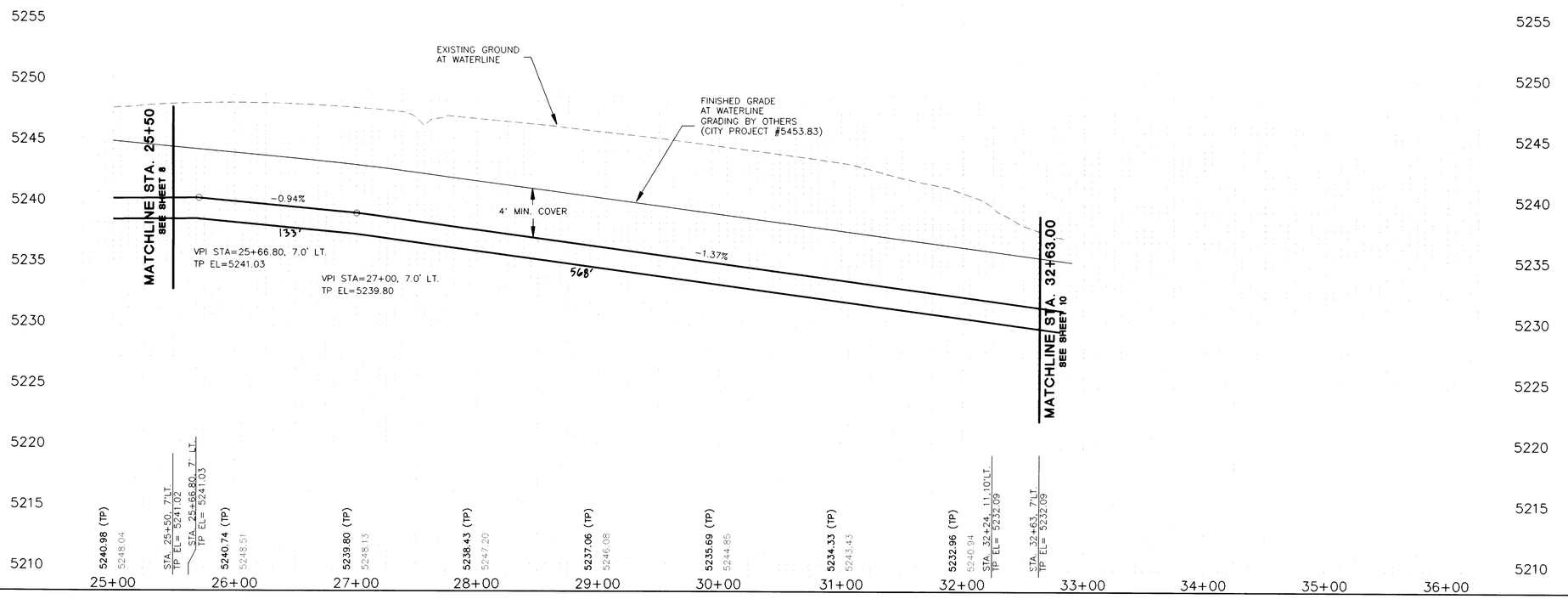


20" WATERLINE

RESTRAINED JOINT LENGTH SCHEDULE

FITTING NO.	LOCATION	STATION	FITTING	LENGTH	COMMENT
(8)	CASA VERDE AVE.	32+24.11, 10.09'LT.	20" 22.5° BEND	9.0'	
(9)	CASA VERDE AVE. & SELLWAY PL.	32+63, 7'LT. & 10+27, 7'LT.	2-20" 45° BEND	18.0'	RESTRAIN JOINTS: FROM STA. 32+45, 7' LT. (CASA VERDE) TO STA. 10+45, 7' LT. (SELLWAY)

NOTE: RESTRAINED JOINTS ON ALL FITTINGS. RESTRAINED JOINTS LENGTHS EACH SIDE OF FITTINGS UNLESS OTHERWISE NOTED.



GENERAL NOTES:

1. ALL PROFILE ELEVATIONS GIVEN ARE TOP OF PIPE (TP) OF 20" WATERLINE, AND EXISTING GROUND AT WATERLINE.
2. MINIMUM COVER ON 20" WATERLINE IS 4.0'.
3. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF OTHER CONTRACTORS ON SITE.
4. ALL VALVES REQUIRE A WATER VALVE CRADLE PER DETAILS SHEET 12.

SURVEY DATA

POINT No.	STA.	X	Y
[7]	23+71.34	353,460.7911	1,494,196.574
[8]	32+24.11	354,411.3390	1,494,792.557
[9]	32+90.17	354,475.4214	1,494,810.8078
[10]	10+00.00	354,475.4214	1,494,810.8078

LEGEND:

- SLOPE LIMITS
- PROPOSED 20" WATERLINE
- (1) FITTING NUMBER (SEE SHEET 4)
- [A] WATERLINE CURVE DATA

AS-BUILT INFORMATION
CONTRACTOR NCC, Inc. DATE
STAMPED BY DATE
INSPECTOR'S ACCEPTANCE BY CoA DATE 8/97
FIELD VERIFICATION BY CoA DATE 8/97
DRAWING CORRECTED BY CoA DATE 9/97
RECORDED BY DATE
NO.

BENCH MARKS
BOHANNAN & HUSTON BRASS CAP STAMPED "BH-40"
GEO GRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
X=352,790.66 Y=1,492,346.53
GROUND-TO-GRID FACTOR=0.99967105
ADC=-00°16'59"
NGVD 1929 ELEVATION= 5305.43

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	BOHANNAN-HUSTON	10/95

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY DEB DATE 6/96
DRAWN BY JA DATE 6/96
CHECKED BY CWH DATE 6/96

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

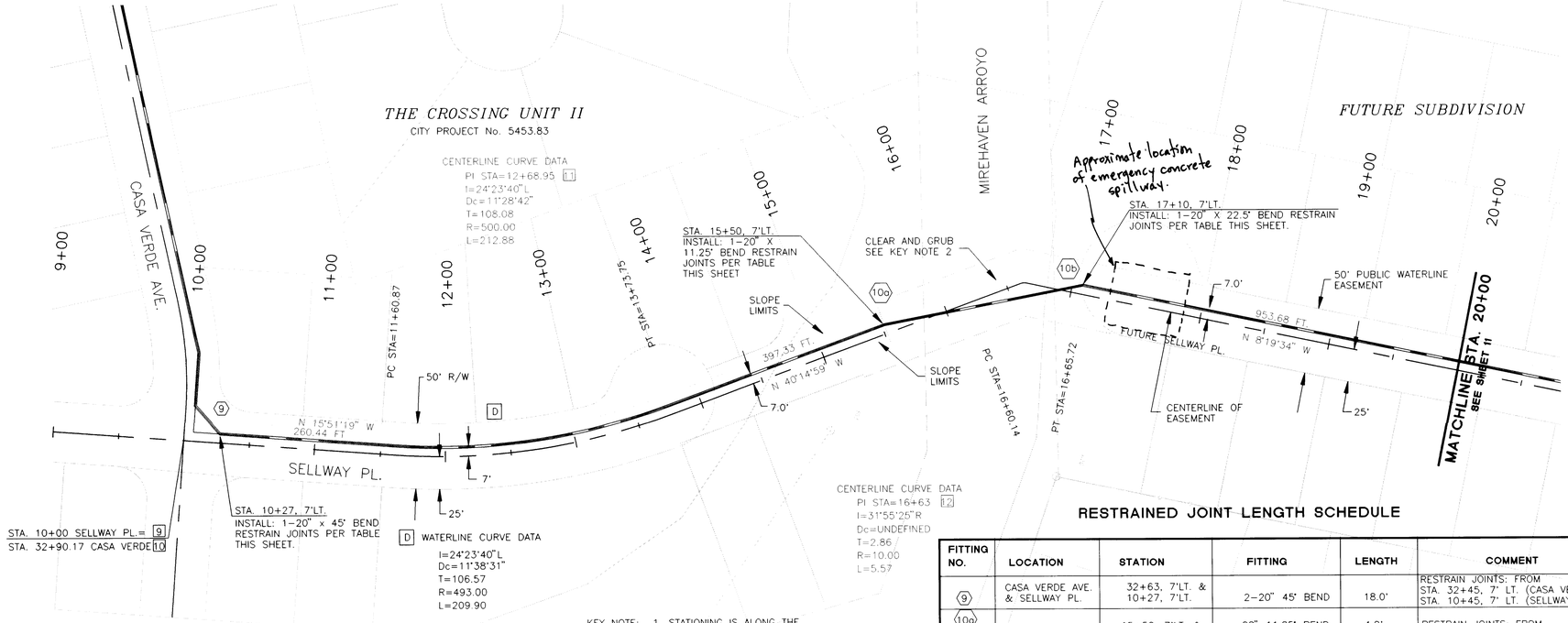
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

COLLEGE TRUNK-MASTER PLAN 20" WATERLINE
WATERLINE PLAN & PROFILE
CASA VERDE STA. 25+50 TO 32+63

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

SCALES: 1" =50' HOR 1" =5' VER
CITY PROJECT NO. 5409.90
ZONE MAP NO. H-9; J-9
SHEET 9 OF 12

HYDRO:[H96178A2100.98TH.ACAD] RCP03300.DWG



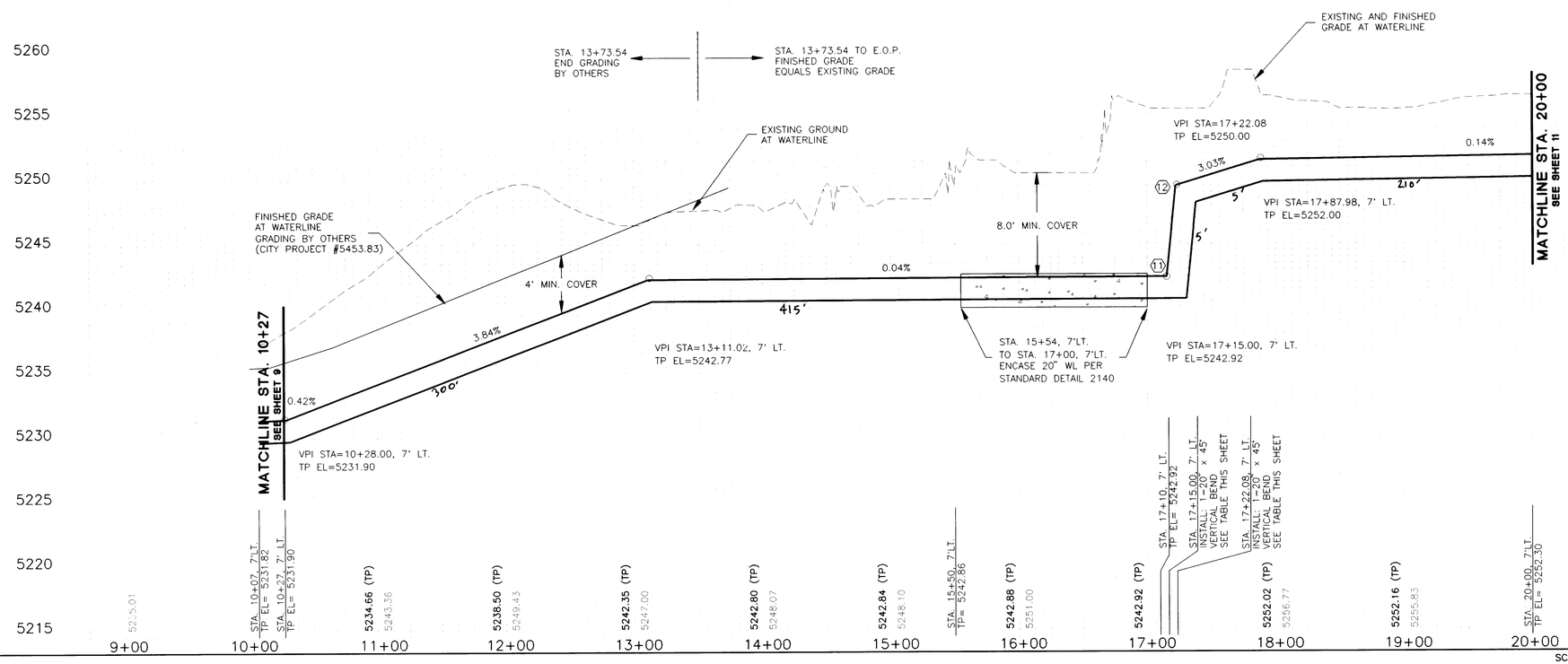
KEY NOTE:
1. STATIONING IS ALONG THE CENTERLINE OF SELLWAY PL.
2. CONTRACTOR SHALL CLEAR AND GRUB FROM STA. 14+50 TO STA. 25+25, INSIDE OF SLOPE LIMITS.

20" WATERLINE

RESTRAINED JOINT LENGTH SCHEDULE

FITTING NO.	LOCATION	STATION	FITTING	LENGTH	COMMENT
9	CASA VERDE AVE. & SELLWAY PL.	32+63, 7'LT. & 10+27, 7'LT.	2-20" 45° BEND	18.0'	RESTRAIN JOINTS: FROM STA. 32+45, 7' LT. (CASA VERDE) TO STA. 10+45, 7' LT. (SELLWAY)
10a / 10b	ARROYO CROSSING	15+50, 7'LT. & 17+10, 7'LT.	20" 11.25° BEND 20" 22.5° BEND	4.0' 8.0'	RESTRAIN JOINTS: FROM 15+46, 7'LT. TO 15+54, 7'LT.
11	ARROYO CROSSING	17+15.00, 7'LT.	20" 45° BEND (VERTICAL)	11.0'	RESTRAIN JOINTS: FROM STA. 17+02, 7' LT. TO STA. 17+47, 7' LT.
12	ARROYO CROSSING	17+22.08, 7'LT.	20" 45° BEND (VERTICAL)	25.0'	

NOTE: RESTRAINED JOINTS ON ALL FITTINGS. RESTRAINED JOINTS LENGTHS EACH SIDE OF FITTING UNLESS OTHERWISE NOTED.



SCALES: 1" =50' HOR
1" =5' VERT

GENERAL NOTES:

1. ALL PROFILE ELEVATIONS GIVEN ARE TOP OF PIPE (TP) OF 20" WATERLINE, AND EXISTING GROUND AT WATERLINE.
2. MINIMUM COVER ON 20" WATERLINE IS 4.0', EXCEPT AT MIREHAVEN ARROYO WHERE COVER WILL BE 8.0' MINIMUM.
3. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF OTHER CONTRACTORS ON SITE.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREDANCIES.

SURVEY DATA

POINT No.	STA.	X	Y
9	32+90.17	354,475.4214	1,494,810.8078
10	10+00.00	354,475.4214	1,494,810.8078
11	12+68.95	354,401.9425	1,495,069.523
12	16+63.00	354,145.2195	1,495,372.781

LEGEND:
- SLOPE LIMITS
- PROPOSED 20" WATERLINE
- 1 FITTING NUMBER (SEE SHEET 4)
- A WATERLINE CURVE DATA

AS-BUILT INFORMATION
CONTRACTOR McCI, Inc. DATE
WORK STARTED BY DATE
INSPECTOR'S ACCEPTANCE BY CoA DATE 8/97
FIELD VERIFICATION BY CoA DATE 8/97
CORRECTED BY CoA DATE 9/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BOHANNAN & HUSTON BRASS CAP
STAMPED "BH-40"
GEO GRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
X=352,790.66 Y=1,492,346.53
GROUND-TO-GRID FACTOR=0.99967105
ADC=-00°16'59"
NGVD 1929 ELEVATION= 5305.43

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	BOHANNAN-HUSTON	10/95

ENGINEER'S SEAL
CRAIG W. HOOVER NEW MEXICO 11986 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
		DESIGN DESIGNED BY DEB DATE 6/96
		REVISIONS DRAWN BY JA DATE 6/96
		CHECKED BY CWH DATE 6/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

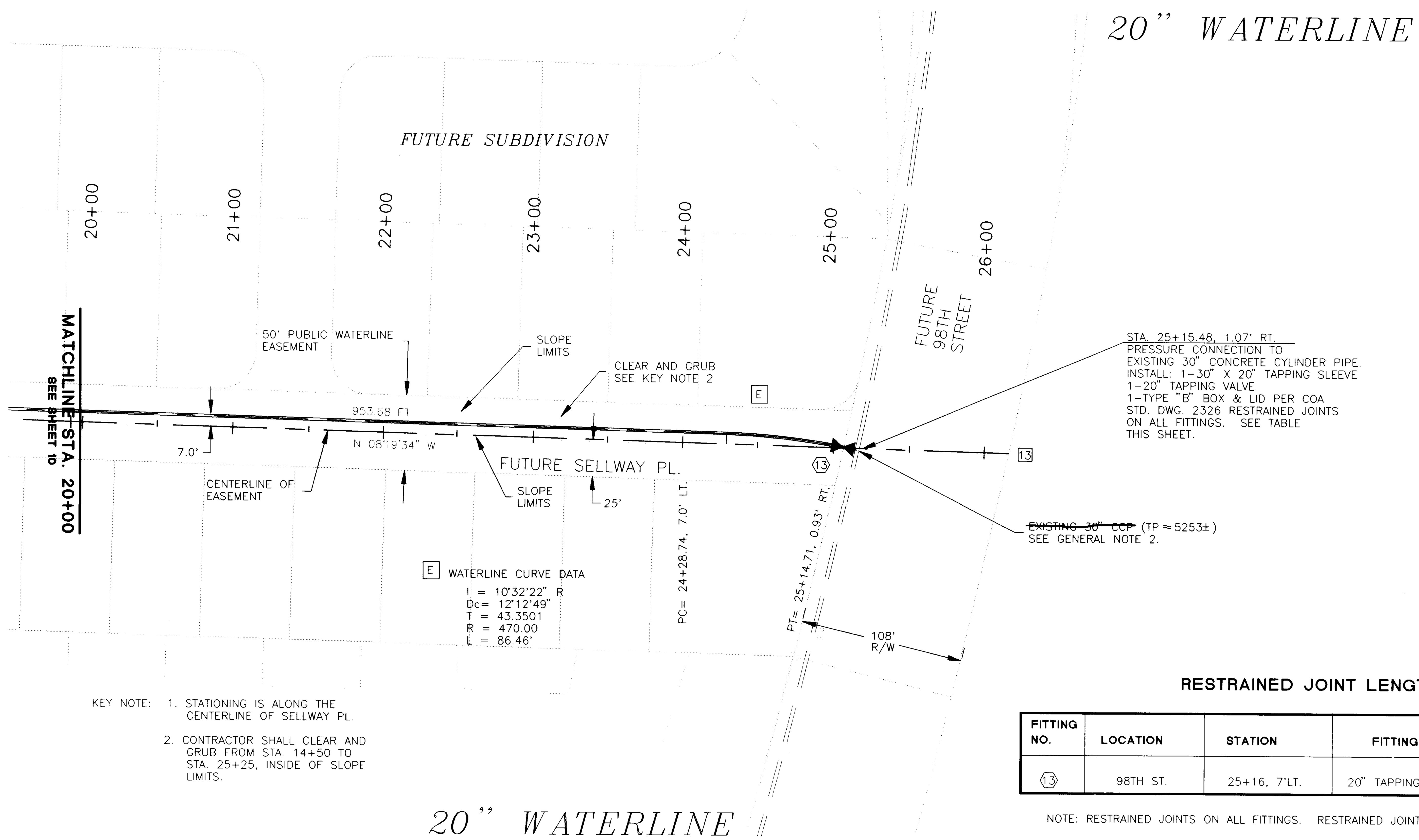
COLLEGE TRUNK-MASTER PLAN 20" WATERLINE
WATERLINE PLAN & PROFILE
SELLWAY STA. 10+07 TO 20+00

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

CITY PROJECT NO. 5409.90 | ZONE MAP NO. H-9;J-9 | SHEET 10 OF 12

DRAWN BY LASON
CHECKED BY

HYDRO:[H96178A2100.98TH.ACAD] RCP01400.DWG

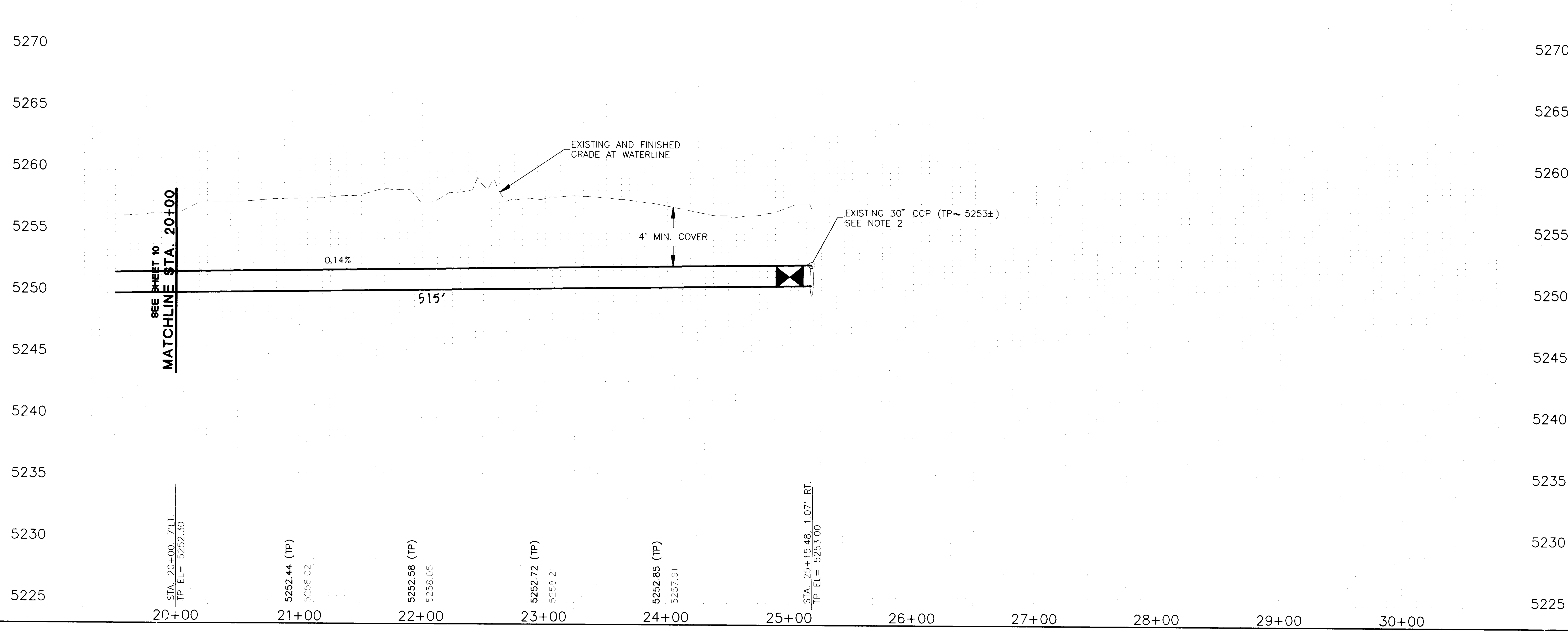


KEY NOTE:
1. STATIONING IS ALONG THE CENTERLINE OF SELLWAY PL.
2. CONTRACTOR SHALL CLEAR AND GRUB FROM STA. 14+50 TO STA. 25+25, INSIDE OF SLOPE LIMITS.

RESTRAINED JOINT LENGTH SCHEDULE

FITTING NO.	LOCATION	STATION	FITTING	LENGTH	COMMENT
13	98TH ST.	25+16, 7'LT.	20" TAPPING VALVE	87.0'	RESTRAIN JOINTS: FROM STA. 24+28, 7' LT. TO STA. 25+15.48, 1.07' RT.

NOTE: RESTRAINED JOINTS ON ALL FITTINGS. RESTRAINED JOINTS LENGTHS EACH SIDE OF FITTINGS UNLESS OTHERWISE NOTED.



GENERAL NOTES:

1. ALL PROFILE ELEVATIONS GIVEN ARE TOP OF PIPE (TP) OF 20" WATERLINE, AND EXISTING GROUND AT WATERLINE.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
3. ALL VALVES REQUIRE A WATER VALVE CRADLE PER DETAILS SHEET 12.
4. MINIMUM COVER ON 20" WATERLINE IS 4.0'.
5. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF OTHER CONTRACTORS ON SITE.

SURVEY DATA

POINT No.	STA.	X	Y
13	26+16.53	354,007.1204	1,496,316.405

LEGEND:

- SLOPE LIMITS
- PROPOSED 20" WATERLINE
- FITTING NUMBER (SEE SHEET 4)
- WATERLINE CURVE DATA
- PROPOSED VALVE
- EXISTING WATERLINE

AS-BUILT INFORMATION
CONTRACTOR MC, Inc. DATE
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY COA DATE 8/97
FIELD VERIFICATION BY COA DATE 8/97
DRAWINGS CORRECTED BY COA DATE 9/97

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BOHANNAN & HUSTON BRASS CAP
STAMPED "BH-40"
GEO GRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
X=352,790.66 Y=1,492,346.53
GROUND-TO-GRID FACTOR=0.99967105
ADC=-00°16'59"
NGVD 1929 ELEVATION= 5305.43

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE
1	BOHANNAN-HUSTON	10/95

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY DEB DATE 6/96
DRAWN BY JA DATE 6/96
CHECKED BY CWH DATE 6/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

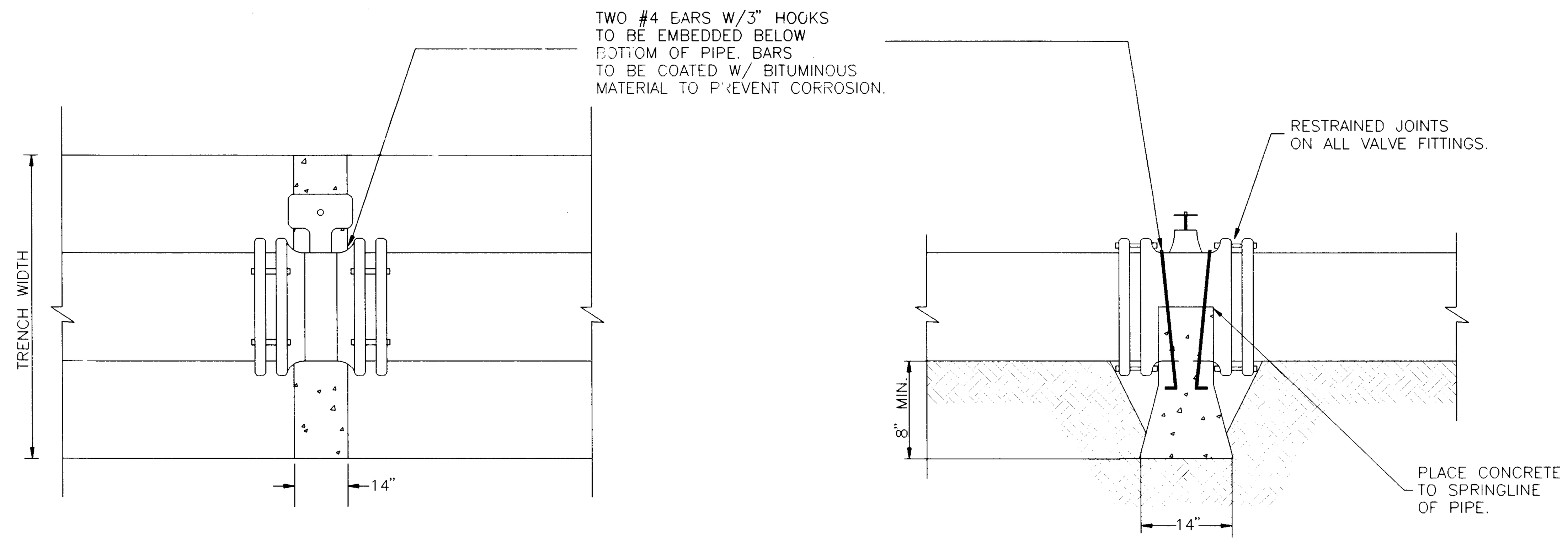
COLLEGE TRUNK-MASTER PLAN 20" WATERLINE
WATERLINE PLAN & PROFILE
SELLWAY STA. 20+00 TO 25+15.48

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

SCALES: 1" =50' HOR
1" =5' VER

CITY PROJECT NO. 5409.90
ZONE MAP NO. H-9; J-9
SHEET 11 OF 12

HYDRO:[H96178A2100.98TH.ACAD] RCP02400.DWG

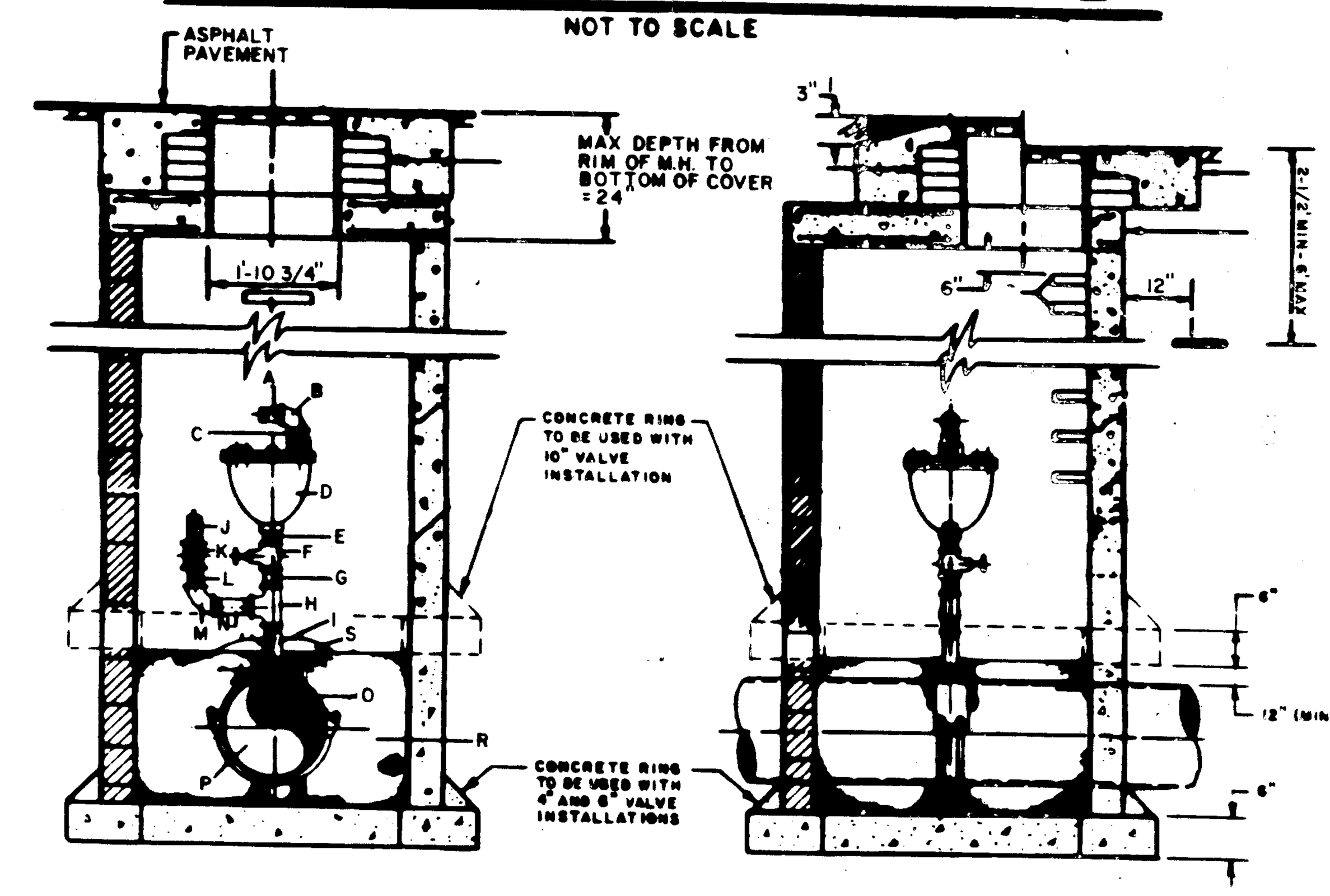


WATER VALVE CRADLE

NTS.

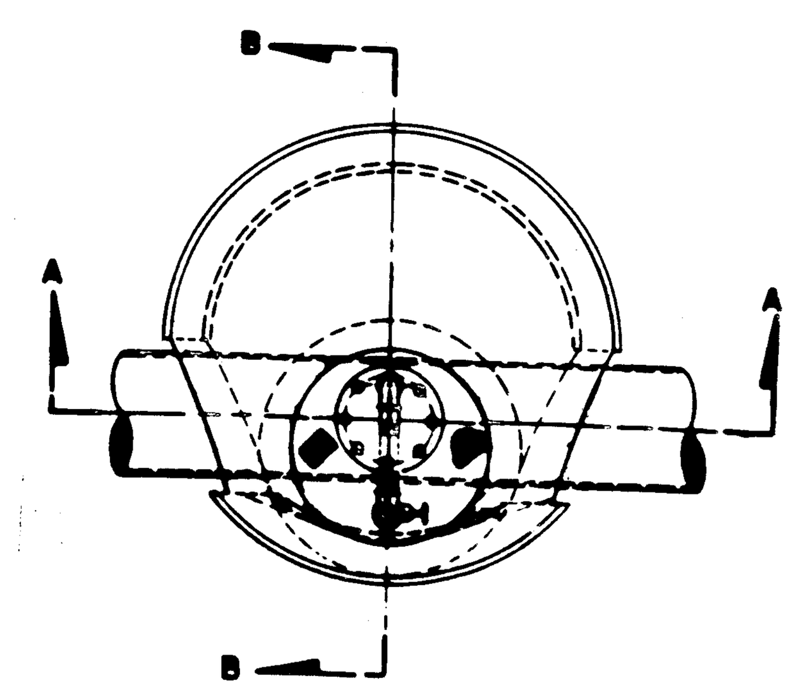
AIR AND VACUUM VALVE DETAIL

NOT TO SCALE



SIDE VIEW
SECTION B-B

FRONT VIEW
SECTION A-A



PLAN

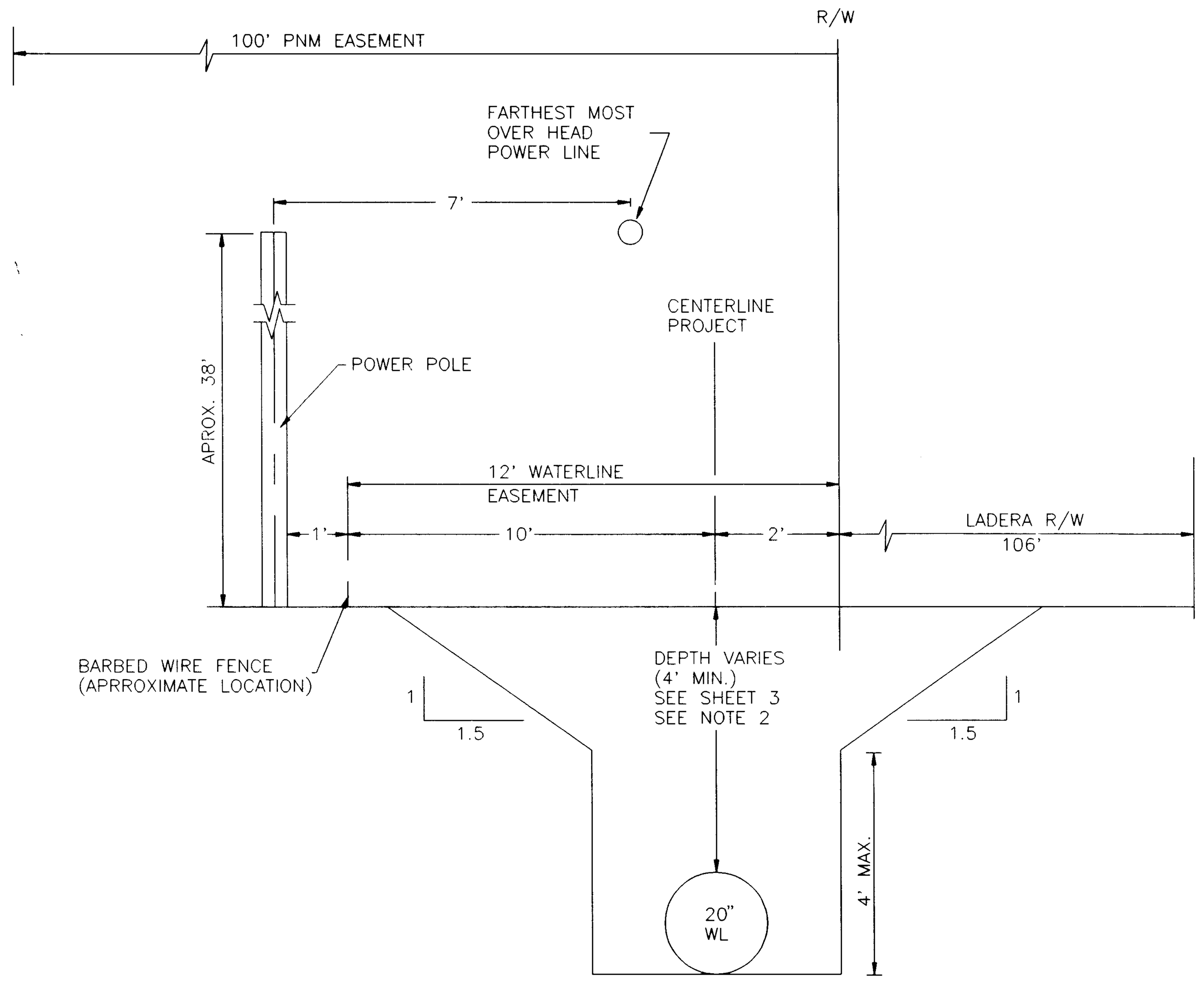
CONSTRUCTION NOTES:

1. ALL PIPING AND FITTINGS SHALL BE SCH 40, THREADED GALV IRON.
2. USE STANDARD C.I. MH RING AND COVER SEE C.O.A. STD DWG 2110 COVER MARKED "WATER"
3. FOR FUTURE ADJUSTMENT OF MH FRAME TO PAVEMENT GRADE AND ADJUSTMENT RINGS OR GRADE MS BRICK AS SHOWN ON MH DETAILS. SEE COA STD DWGS 2101 AND 2102.

MATERIALS LIST *

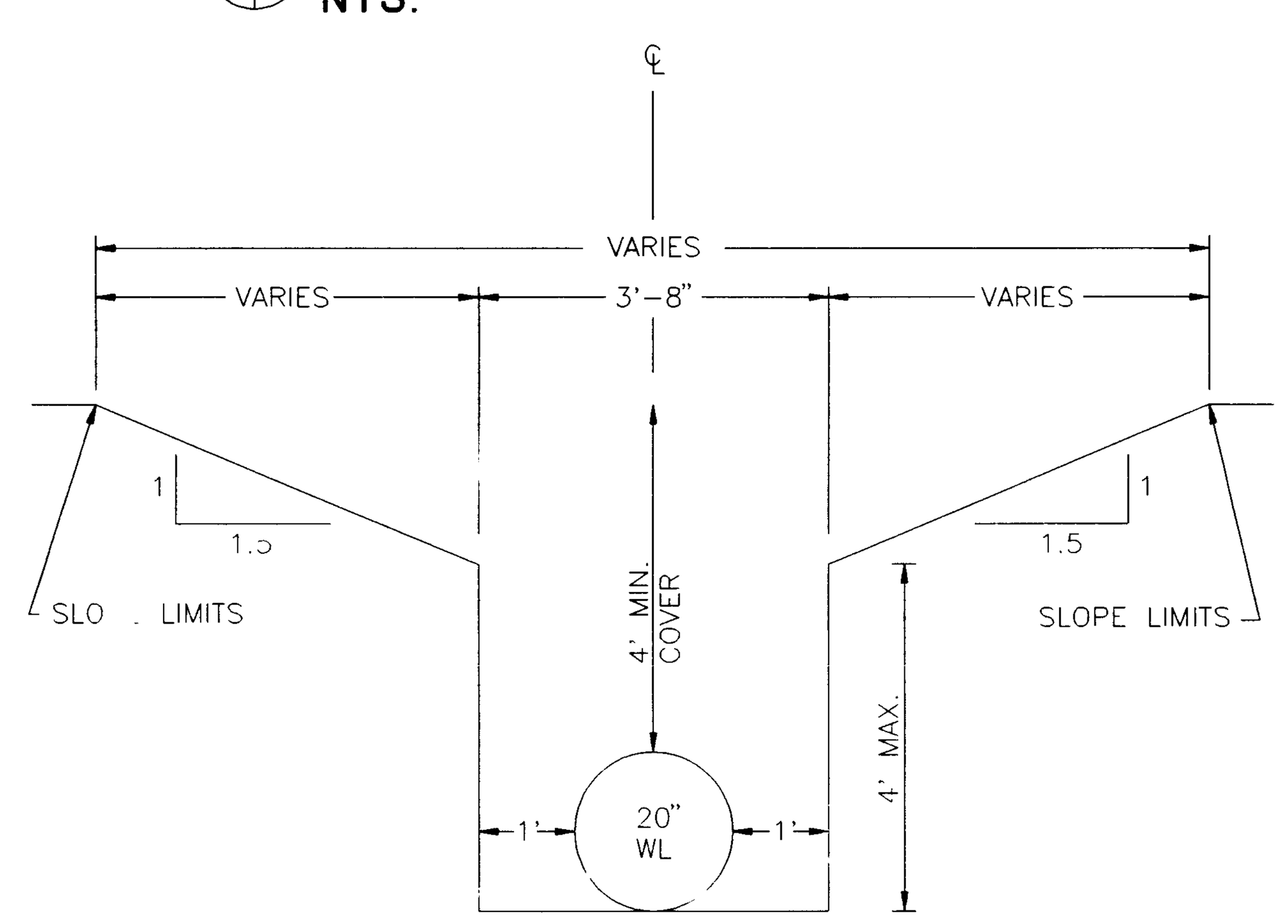
- (A) " x 2" THREADED NIPPLE
- (B) " 90° ELBOW
- (C) " x 6" THREADED NIPPLE
- (D) " COMBINATION AIR VALVE
- (E) " x 2" THREADED NIPPLE
- (F) " GATE VALVE
- (G) " x 2" THREADED NIPPLE
- (H) " x " x " TEE
- (I) " x 6" THREADED NIPPLE
- (J) " x 2" THREADED NIPPLE FOR VENT AND HOSE CONNECTION
- (K) " GATE VALVE
- (L) " x 2" THREADED NIPPLE
- (M) " 90° ELBOW
- (N) " x 4" THREADED NIPPLE
- (O) TAPPING SADDLE FOR PVC OR D.I. PIPE THREADED OUTLET FOR CONC CYL PIPE
- (P) " WATER MAIN
- (Q) CONC. COLLAR USE IN ALL AREAS
- (R) 1 CU. YD 1" CLEAN GRAVEL
- (S) CUT CONCRETE RING AND MANHOLE CONE TO PROVIDE A MINIMAL 4" CLEARANCE AROUND WATER MAIN

* SIZES ARE DETERMINED BY SPECIFIC AIR AND VACUUM VALVE TO BE INSTALLED.



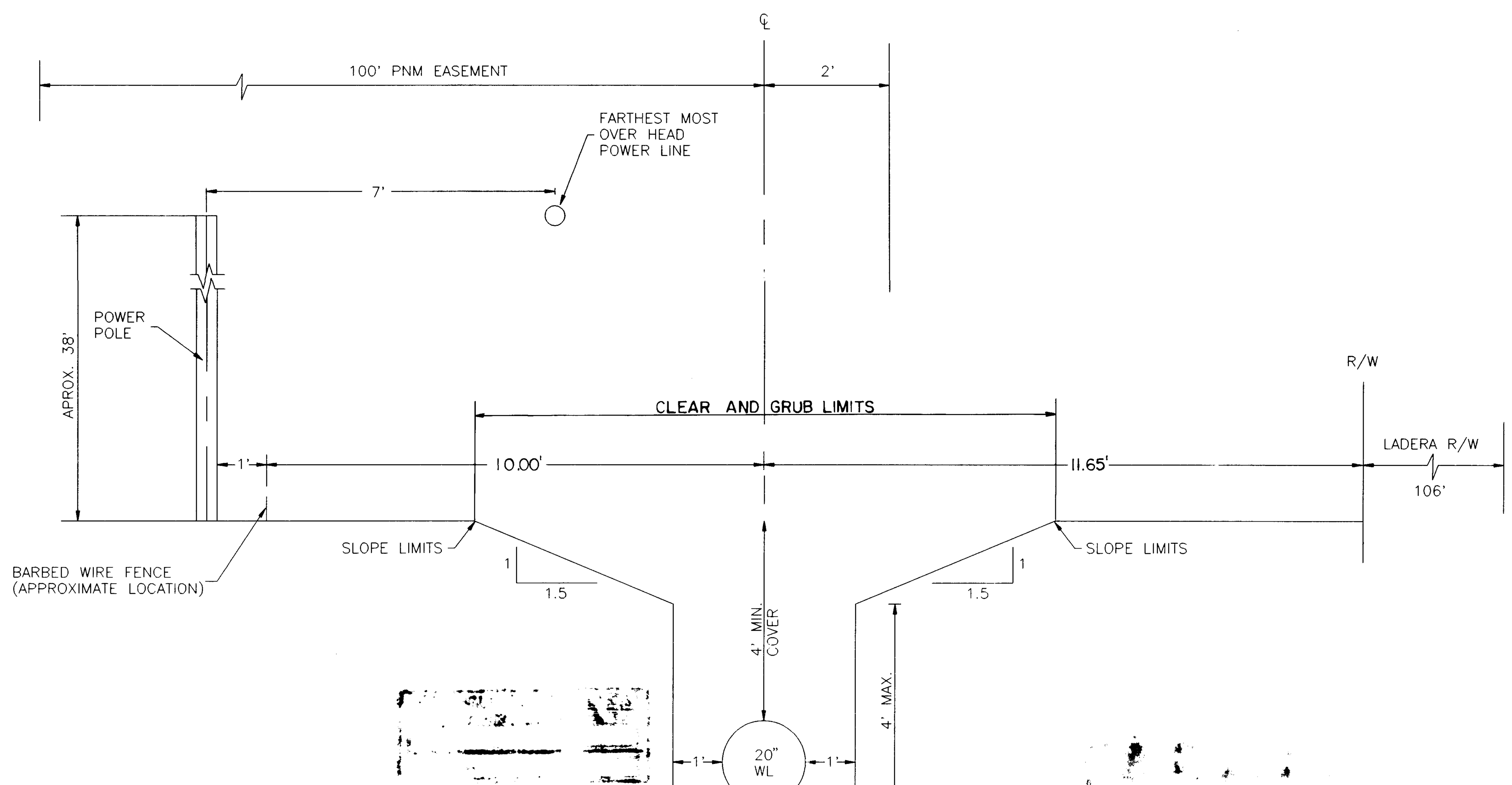
CROSS-SECTION AT POWER POLES

(A 5|12) NTS.



TYPICAL TRENCH CROSS-SECTION

(B 5|12) NTS.



CROSS-SECTION AT LAST POWER POLE

(C 6|12) NTS.

NOTES:

1. COST OF WATER VALVE CRADLE SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.
2. CONTRACTOR SHALL PROVIDE TRENCH SLOPE PROTECTION FROM STATION 11+25 TO 12+50.

N

AS-BUILT INFORMATION		
CONTRACTOR	MCC, Inc.	DATE
WORK STAKED BY		DATE
INSPECTOR'S ACCEPTANCE BY	COA	DATE 8/97
FIELD VERIFICATION BY	COA	DATE 8/97
DRAWINGS CORRECTED BY	COA	DATE 9/97
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

BOHANNAN & HUSTON BRASS CAP
STAMPED "BH-40"
GEO GRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
X=352,790.66 Y=1,492,346.53
GROUND-TO-GRID FACTOR=0.99967105
ADC=-00°16'59"
NGVD 1929 ELEVATION= 5305.43

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE
1	BOHANNAN-HUSTON	10/95

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY DEB DATE 6/96
DRAWN BY JA DATE 6/96
CHECKED BY CWH DATE 6/96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

COLLEGE TRUNK – MASTER PLAN
20" WATERLINE
MISCELLANEOUS DETAILS

APPROVED
DESIGN REVIEW COMMITTEE

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5409.90	H-9; J-9	12	12

26-5409.90 11297