# CONSTRUCTION PLANS
# FOR
# TRAILHEAD SUBDIVISION
# ALBUQUERQUE, NEW MEXICO

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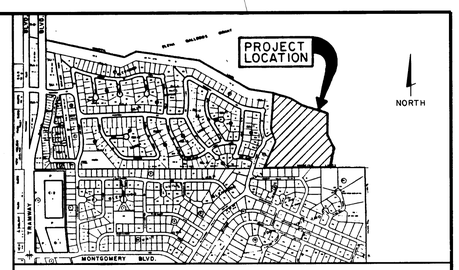



VICINITY MAP
NOT TO SCALE
F-23

### 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.4 REVISIONS, DELETIONS, AND ADDITIONS DATED JAN. 28, 1993.
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 ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY 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.

WILLIAM L. FISHER NEW MEXICO 8131 REGISTERED PROFESSIONAL ENGINEER 11/11/94

RECORD DRAWINGS
DATE 11/11/94

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 12-12-94

| REV | SHEETS | CITY ENGINEER | DATE | USER DEPARTMENT | DATE | USER DEPARTMENT | DATE |
|---|---|---|---|---|---|---|---|
| 1 | 4,5,6,7A,9A, 12A,14A & 14B | | | TRANSPORTATION | | | 8-02-94 |
| 1 | 7A,8,9A,10,11, 12A,14A & 14B | | | UTILITY DEV. | | | 8-17-94 |
| 1 | 3A,7A,9A,12A, 14A & 14B | | | HYDROLOGY | SC (see individual shts) | | 8-3-94 |
| 1 | 3A,4,5,6,7A,8,9A, 10,11,12A,14A & 14B | | | DRC CHAIRMAN | | | 8-23-94 |

APPROVAL OF REVISIONS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2K 4882. 0001 94

JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER 3-7-94

BOHANNAN HUSTON INC.
ALBUQUERQUE, NEW MEXICO
ENGINEERS PLANNERS PHOTOGRAMMETRISTS

APPROVED FOR CONSTRUCTION
6/7/94 C.E.

PROJECT NUMBER 4882.90

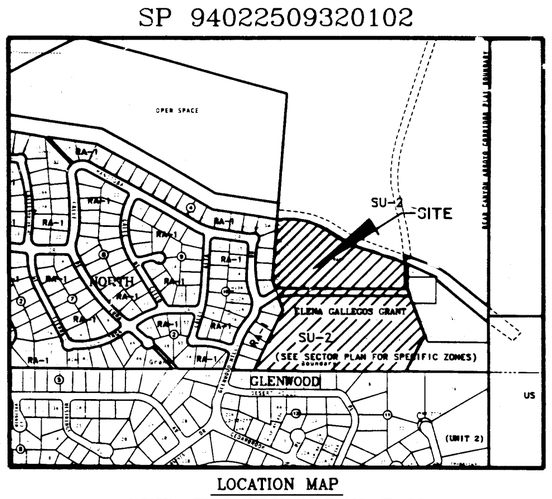
SHEET 1 OF 25

BHI JOB NO. 93126.40

Copyright Bohannan-Huston, Inc. 1994
DATE:

USERNAME: C9312640
FILENAME: TITLE.GRF

SP 94022509320102




LOCATION MAP
ZONE ATLAS INDEX MAP NO. F-23
NOT TO SCALE

## NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
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 street improvements and will consist of a standard four-inch (4") aluminum alloy cap stamped "City of Albuquerque", "Centerline Monumentation", "Survey Marker", "Do Not Disturb", "PLS# 6544"
5. With the filing of this plat, Tract "A" is dedicated by owner to the City of Albuquerque to be used as open space, and a 45' wide public access and pedestrian path. Owner reserves and easement for the maintenance of the landscaping and any related irrigation on Tract "A". The City of Albuquerque Public Works Department will maintain Tract "A" other than maintenance of landscaping and any related irrigation. Also with the filing of this plat, an access easement over Tract "A" is granted to the U.S.D.A. Forest Service and a utility easement over Tract "A" is granted.
6. All Building Envelops to be 6050.00 sq. ft.

## SUBDIVISION DATA

1. DRB No. 93-433
2. Zone Atlas Index No. F-23
3. Gross Subdivision Acreage: 19.9464 Acres
4. Total Number of Lots created: 28 Lots, 1 Tract.
5. Total mileage of full width Streets created: 0.32 miles.
6. Date of Survey: July, 1993.
7. Plat is located within the Elena Gallegos Grant, within Projected Section 35, T11N, R4E, NMPM.
8. Each lot shall have a maximum of one wood burning stove or fireplace.
9. NO WALLS OR FENCES SHALL BE BUILT OUTSIDE THE BUILDING ENVELOPE AND ALL BUILDING SHALL CONFORM TO THE CONDITIONS AND RESTRICTIONS DESCRIBED IN THE DECLARATION OF COVENANTS FOR HIGH DESERT RESIDENTIAL PROPERTIES, RECORDED DECEMBER 22, 1993.
10. LOTS 2,3,4,10,11,12, 19 AND 25 MAY REQUIRE PRIVATE SANITARY SEWER PUMPING FACILITIES.

## DISCLOSURE STATEMENT

The purpose of this Plat is to Subdivide Tract 1, PLAT OF HIGH DESERT, Albuquerque, New Mexico, filed November 23, 1993 in Volume 93C, Folio 325 into twenty-eight (28) Lots, one (1) tract and to grant Easements and to vacate Easements and to dedicate Street Right-of-Way to the City of Albuquerque.

## PUBLIC UTILITY EASEMENTS

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

A. The Public Service Company of New Mexico 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. The Gas Company of New Mexico 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 35, Township 11 North, Range 4 East, New Mexico Principal Meridian, Bernalillo County, Albuquerque, New Mexico, said tract being and comprising all of Tract 1 of Plat of HIGH DESERT, Albuquerque, New Mexico as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on November 23, 1993 in Volume 93C, Folio 325 and being more particularly described by New Mexico State Plane grid bearings (Central Zone) and ground distances as follows:

BEGINNING at the southeast corner of said Tract 1, a point on the south boundary of the Elena Gallegos Grant, whence the closing corner of Sections 35 and 36, Township 11 North, Range 4 East, New Mexico Pricipal Meridian and the south boundary of the Elena Gallegos Grant, (ACS Station 1-D24) having New Mexico State Plane Grid Coordinates (Central Zone) X=431,318.50 and Y=1,513,365.05 bears N03°39'49"E, a distance of 9178.71 feet and from said point of beginning running thence along the southerly boundary line of said Tract 1 and also along said Grant boundary,
N89°52'25"W, a distance of 1041.56 feet to the southwest corner of said Tract 1, said corner being the southeast corner of UNIT 1 GLENWOOD HILLS NORTH, as the same is shown and designated on on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on April 3, 1979 in Volume D9, Folio 95, thence leaving said Grant boundary and running thence along the west boundary line of said Tract 1 and also along the east boundary line of said UNIT 1 GLENWOOD HILLS NORTH,
N24°28'00"E, a distance of 460.00 feet to a point; thence,
N18°39'14"W, a distance of 215.29 feet to a point; thence,
N04°12'49"E, a distance of 413.32 feet to the northwest corner of said Tract 1, also being the northeast corner of said UNIT 1 GLENWOOD HILLS NORTH, thence running along the northerly boundary line of said Tract 1,
S89°47'16"E, a distance of 25.06 feet to a point of curvature, (non-tangent); thence,
21.51 feet along the arc of a curve to the right having a radius of 50.00 feet and a chord which bears N51°52'37"E, a distance of 21.35 feet to a point of tangency; thence,
S84°29'34"E, a distance of 93.10 feet to a point of curvature; thence,
209.23 feet along the arc of a curve to the right having a radius of 472.00 feet and a chord which bears S71°47'37"E, a distance of 207.52 feet to a point of tangency; thence,
S59°05'41"E, a distance of 143.76 feet to a point of curvature; thence,
104.23 feet along the arc of a curve to the left having a radius of 528.00 feet and a chord which bears S64°44'44"E, a distance of 104.06 feet to a point of tangency; thence,
S70°24'17"E, a distance of 360.35 feet to the northeast corner of Tract 1, a point of curvature (non-tangent), thence running along the easterly boundary line of said Tract 1,
18.48 feet along the arc of a curve to the right having a radius of 1394.54 feet and a chord which bears S00°15'11"E, a distance of 18.48 feet to a point of tangency; thence,
S00°07'36"W, a distance of 150.00 feet to a point; thence,
S21°13'53"E, a distance of 292.64 feet to a point; thence,
S19°29'14"W, a distance of 314.14 feet to the point and place of beginning.

Tract contains 19.9467 acres, more or less.

**NOTE**

Lots 1,2,3,5,12,13,25,26,27 and 28 are encumbered by an open space easement, being that portion of the lots located with the 200' building set back line, Document No. 94033547, Filed March 1, 1994, in Book 94-8, Pages 6478-6495, of the County Records, Bernalillo County, New Mexico.

## FREE CONSENT AND DEDICATION

The foregoing Replat of that certain tract of land situate within the Elena Gallegos Grant in projected Section 35, T11N, R4E, NMPM, City of Albuquerque, Bernalillo County, New Mexico, said tract being and comprising all of Tract 1, PLAT OF HIGH DESERT as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on November 23, 1993 in Volume 93C, Folio 325, and now hereon shown and comprising PLAT OF TRAILHEAD SUBDIVISION is with 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, including the right to construct, operate, inspect, and maintain facilities 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 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.

HIGH DESERT INVESTMENT CORPORATION

Douglas H. Collister, President

State of New Mexico)
SS
County of Bernalillo )

This instrument was acknowledged before me on 8TH day MARCH 1994 by Douglas H. Collister, President of High Desert Investment Corp.

My Commission Expires: APRIL 17, 1994 Notary Public

NOTE: (The following is applicable to Private Drainage Easements only)

By the filing of this plat, all lots are subject to cross-drainage easements over that portion of each lot outside the building envelope, and over that portion of the building lot of each lot upon which there are no improvements, for drainage of storm water runoff. No person shall alter the drainage on any lot so as to materially increase the drainage of storm water onto adjacent portions of any lots or alter the surface of the cross-drainage easement without the consent of the owner of the affected property and the High Desert Residential Owners Association, Inc. Such cross-drainage easements are in addition to those created and described in the Declaration of Covenants, Conditions and Restrictions for High Desert Residential Properties, recorded December 22, 1993 in Book 93-36, pages 1-87, records of Bernalillo County, New Mexico (the "Declaration"). The owner of each lot will maintain the cross-drainage easement. If the owner fails to maintain the cross-drainage easement or alters the surface of the cross-drainage easement, High Desert Residential Owners Association, Inc. will have the right to perform such maintenance as set forth in the Declaration and will have the right to restore the surface of the cross-drainage easement. The cross-drainage easement over each lot will not restrict the right of the owner of the lot to construct reasonable driveways and walkways from the public street to the building envelope over that portion of the lot [illegible] to the cross-drainage easement, as provided in the Declaration. Pursuant to the Declaration the owner of each lot shall design improvements to the lot in conformance with the High Desert Guidelines for Sustainability, and shall provide a certification, as provided in the Guidelines for Sustainability stamped by a registered New Mexico Professional Engineer, indicating the grading and drainage improvements, including foundation wall and finished grade elevations on the lot.

PLAT OF
# TRAILHEAD SUBDIVISION
ALBUQUERQUE, NEW MEXICO
JANUARY, 1994

## APPROVALS

PLAT NUMBER _____

| | DATE |
|---|---|
| PLANNING DIRECTOR | |
| CITY ENGINEER | |
| A.M.A.F.C.A. | 3-22-94 |
| TRAFFIC ENGINEER | 030894 |
| CITY SURVEYOR | 3.30.94 |
| PROPERTY MANAGEMENT | 3-22-94 |
| UTILITY DEVELOPMENT DEPARTMENT | 3/22/94 |
| PARKS AND GENERAL SERVICES DEPARTMENT | 3-23-94 |
| PUBLIC SERVICE COMPANY OF NEW MEXICO | 3-23-94 |
| U.S. WEST COMMUNICATIONS | 3-21-94 |
| GAS COMPANY OF NEW MEXICO | |

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

PROPERTY OWNER OF RECORD: _____

BERNALILLO COUNTY TREASURER'S OFFICE DATE

PNM DISCLAIMER

By approving this document, PNM does NOT waive or release any easement or easement rights which may have been granted by prior plat, replat, or document.

## SURVEYOR'S CERTIFICATION

I, A. Dwain Weaver, a registered Professional New Mexico Surveyor, certify that this plat was prepared by me of 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 2, 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.

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

A. Dwain Weaver
New Mexico Professional Surveyor 6544

Date: March 3, 1994

JOB NO. 93126.80

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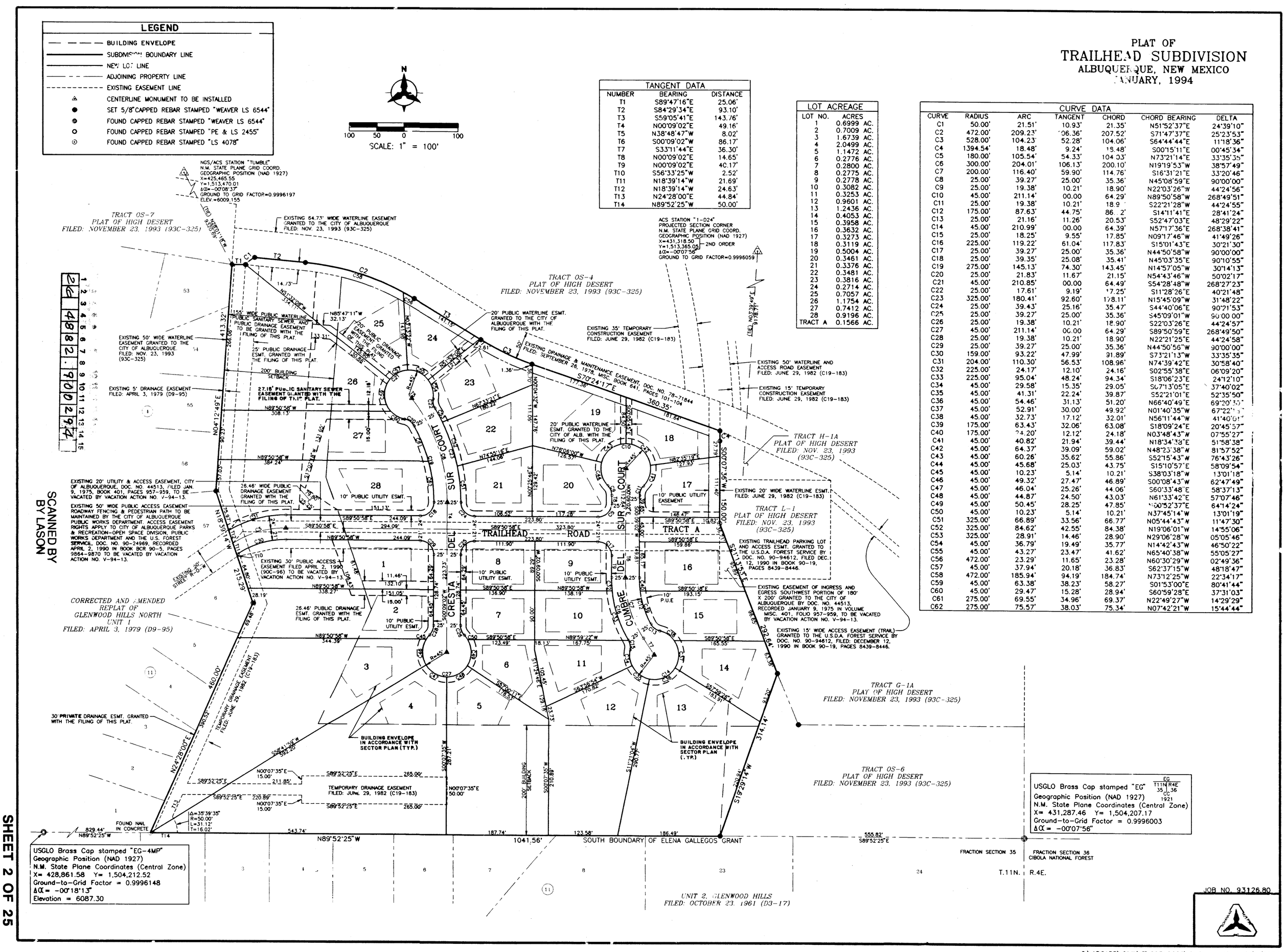



| TANGENT DATA | | |
|---|---|---|
| NUMBER | BEARING | DISTANCE |
| T1 | S89°47'16"E | 25.06' |
| T2 | S84°29'34"E | 93.10' |
| T3 | S59°05'41"E | 143.76' |
| T4 | N00°09'02"E | 49.16' |
| T5 | N38°48'47"W | 8.02' |
| T6 | S00°09'02"W | 86.17' |
| T7 | S33°11'44"E | 36.30' |
| T8 | N00°09'02"E | 14.65' |
| T9 | N00°09'02"E | 40.17' |
| T10 | S56°33'25"W | 2.52' |
| T11 | N18°39'14"W | 21.69' |
| T12 | N18°39'14"W | 24.63' |
| T13 | N24°28'00"E | 44.84' |
| T14 | N89°52'25"W | 50.00' |

| LOT ACREAGE | |
|---|---|
| LOT NO. | ACRES |
| 1 | 0.6999 AC. |
| 2 | 0.7009 AC. |
| 3 | 1.6739 AC. |
| 4 | 2.0499 AC. |
| 5 | 1.1472 AC. |
| 6 | 0.2776 AC. |
| 7 | 0.2800 AC. |
| 8 | 0.2775 AC. |
| 9 | 0.2778 AC. |
| 10 | 0.3082 AC. |
| 11 | 0.3253 AC. |
| 12 | 0.9601 AC. |
| 13 | 1.2436 AC. |
| 14 | 0.4053 AC. |
| 15 | 0.3958 AC. |
| 16 | 0.3632 AC. |
| 17 | 0.3273 AC. |
| 18 | 0.3119 AC. |
| 19 | 0.5004 AC. |
| 20 | 0.3461 AC. |
| 21 | 0.3376 AC. |
| 22 | 0.3481 AC. |
| 23 | 0.3816 AC. |
| 24 | 0.2714 AC. |
| 25 | 0.7057 AC. |
| 26 | 1.1754 AC. |
| 27 | 0.7412 AC. |
| 28 | 0.9196 AC. |
| TRACT A | 0.1566 AC. |

| CURVE DATA | | | | | | |
|---|---|---|---|---|---|---|
| CURVE | RADIUS | ARC | TANGENT | CHORD | CHORD BEARING | DELTA |
| C1 | 50.00' | 21.51' | 10.93' | 21.35' | N51°52'37"E | 24°39'10" |
| C2 | 472.00' | 209.23' | 106.36' | 207.52' | S71°47'37"E | 25°23'53" |
| C3 | 528.00' | 104.23' | 52.28' | 104.06' | S64°44'44"E | 11°18'36" |
| C4 | 1394.54' | 18.48' | 9.24' | 18.48' | S00°15'11"E | 00°45'34" |
| C5 | 180.00' | 105.54' | 54.33' | 104.03' | N73°21'14"E | 33°35'35" |
| C6 | 300.00' | 204.01' | 106.13' | 200.10' | N19°19'53"W | 38°57'49" |
| C7 | 200.00' | 116.40' | 59.90' | 114.76' | S16°31'21"E | 33°20'46" |
| C8 | 25.00' | 39.27' | 25.00' | 35.36' | N45°08'59"E | 90°00'00" |
| C9 | 25.00' | 19.38' | 10.21' | 18.90' | N22°03'26"W | 44°24'56" |
| C10 | 45.00' | 211.14' | 00.00 | 64.29' | N89°50'58"W | 268°49'51" |
| C11 | 25.00' | 19.38' | 10.21' | 18.9[illegible] | S22°21'28"W | 44°24'55" |
| C12 | 175.00' | 87.63' | 44.75' | 86.[illegible]2' | S14°11'41"E | 28°41'24" |
| C13 | 25.00' | 21.16' | 11.26' | 20.53' | S52°47'03"E | 48°29'22" |
| C14 | 45.00' | 210.99' | 00.00 | 64.39' | N57°17'36"E | 268°38'41" |
| C15 | 25.00' | 18.25' | 9.55' | 17.85' | N09°17'46"W | 41°49'26" |
| C16 | 225.00' | 119.22' | 61.04' | 117.83' | S15°01'43"E | 30°21'30" |
| C17 | 25.00' | 39.27' | 25.00' | 35.36' | N44°50'58"W | 90°00'00" |
| C18 | 25.00' | 39.35' | 25.08' | 35.41' | N45°03'35"E | 90°10'55" |
| C19 | 275.00' | 145.13' | 74.30' | 143.45' | N14°57'05"W | 30°14'13" |
| C20 | 25.00' | 21.83' | 11.67' | 21.15' | N54°43'46"W | 50°02'17" |
| C21 | 45.00' | 210.85' | 00.00 | 64.49' | S54°28'48"W | 268°27'23" |
| C22 | 25.00' | 17.61' | 9.19' | 17.25' | S11°28'26"E | 40°21'48" |
| C23 | 325.00' | 180.41' | 92.60' | 178.11' | N15°45'09"W | 31°48'22" |
| C24 | 25.00' | 39.43' | 25.16' | 35.47' | S44°40'06"E | 90°21'53" |
| C25 | 25.00' | 39.27' | 25.00' | 35.36' | S45°09'01"W | 90°00'00" |
| C26 | 25.00' | 19.38' | 10.21' | 18.90' | S22°03'26"E | 44°24'57" |
| C27 | 45.00' | 211.14' | 00.00 | 64.29' | S89°50'59"E | 268°49'50" |
| C28 | 25.00' | 19.38' | 10.21' | 18.90' | N22°21'25"E | 44°24'58" |
| C29 | 25.00' | 39.27' | 25.00' | 35.36' | N44°50'56"W | 90°00'00" |
| C30 | 159.00' | 93.22' | 47.99' | 91.89' | S73°21'13"W | 33°35'35" |
| C31 | 204.00' | 110.30' | 56.53' | 108.96' | N74°39'42"E | 30°58'40" |
| C32 | 225.00' | 24.17' | 12.10' | 24.16' | S02°55'38"E | 06°09'20" |
| C33 | 225.00' | 95.04' | 48.24' | 94.34' | S18°06'23"E | 24°12'10" |
| C34 | 45.00' | 29.58' | 15.35' | 29.05' | S07°13'05"E | 37°40'02" |
| C35 | 45.00' | 41.31' | 22.24' | 39.87' | S52°21'01"E | 52°35'50" |
| C36 | 45.00' | 54.46' | 31.13' | 51.20' | N66°40'49"E | 69°20'39" |
| C37 | 45.00' | 52.91' | 30.00' | 49.92' | N01°40'35"W | 67°22'[illegible] |
| C38 | 45.00' | 32.73' | 17.12' | 32.01' | N56°11'44"W | 41°40'01" |
| C39 | 175.00' | 63.43' | 32.06' | 63.08' | S18°09'24"E | 20°45'57" |
| C40 | 175.00' | 24.20' | 12.12' | 24.18' | N03°48'43"W | 07°55'27" |
| C41 | 45.00' | 40.82' | 21.94' | 39.44' | N18°34'38"E | 51°58'38" |
| C42 | 45.00' | 64.37' | 39.09' | 59.02' | N48°23'38"W | 81°57'52" |
| C43 | 45.00' | 60.26' | 35.62' | 55.86' | S52°15'43"W | 76°43'26" |
| C44 | 45.00' | 45.68' | 25.03' | 43.75' | S15°10'57"E | 58°09'54" |
| C45 | 45.00' | 10.23' | 5.14' | 10.21' | S38°03'18"W | 13°01'18" |
| C46 | 45.00' | 49.32' | 27.47' | 46.89' | S00°08'43"W | 62°47'49" |
| C47 | 45.00' | 46.04' | 25.26' | 44.06' | S60°33'48"E | 58°37'13" |
| C48 | 45.00' | 44.87' | 24.50' | 43.03' | N61°33'42"E | 57°07'46" |
| C49 | 45.00' | 50.45' | 28.25' | 47.85' | N[illegible]0°52'37"E | 64°14'24" |
| C50 | 45.00' | 10.23' | 5.14' | 10.21' | N37°45'14"W | 13°01'19" |
| C51 | 325.00' | 66.89' | 33.56' | 66.77' | N05°44'43"W | 11°47'30" |
| C52 | 325.00' | 84.62' | 42.55' | 84.38' | N19°06'01"W | 14°55'06" |
| C53 | 325.00' | 28.91' | 14.46' | 28.90' | N29°06'28"W | 05°05'46" |
| C54 | 45.00' | 36.79' | 19.49' | 35.77' | N14°42'43"W | 46°50'22" |
| C55 | 45.00' | 43.27' | 23.47' | 41.62' | N65°40'38"W | 55°05'27" |
| C56 | 472.00' | 23.29' | 11.65' | 23.28' | N60°30'29"W | 02°49'36" |
| C57 | 45.00' | 37.94' | 20.18' | 36.83' | S62°37'15"W | 48°18'47" |
| C58 | 472.00' | 185.94' | 94.19' | 184.74' | N73°12'25"W | 22°34'17" |
| C59 | 45.00' | 63.38' | 38.23' | 58.27' | S01°53'00"E | 80°41'44" |
| C60 | 45.00' | 29.47' | 15.28' | 28.94' | S60°59'28"E | 37°31'03" |
| C61 | 275.00' | 69.55' | 34.96' | 69.37' | N22°49'27"W | 14°29'29" |
| C62 | 275.00' | 75.57' | 38.03' | 75.34' | N07°42'21"W | 15°44'44" |

JOB NO. 93126.80

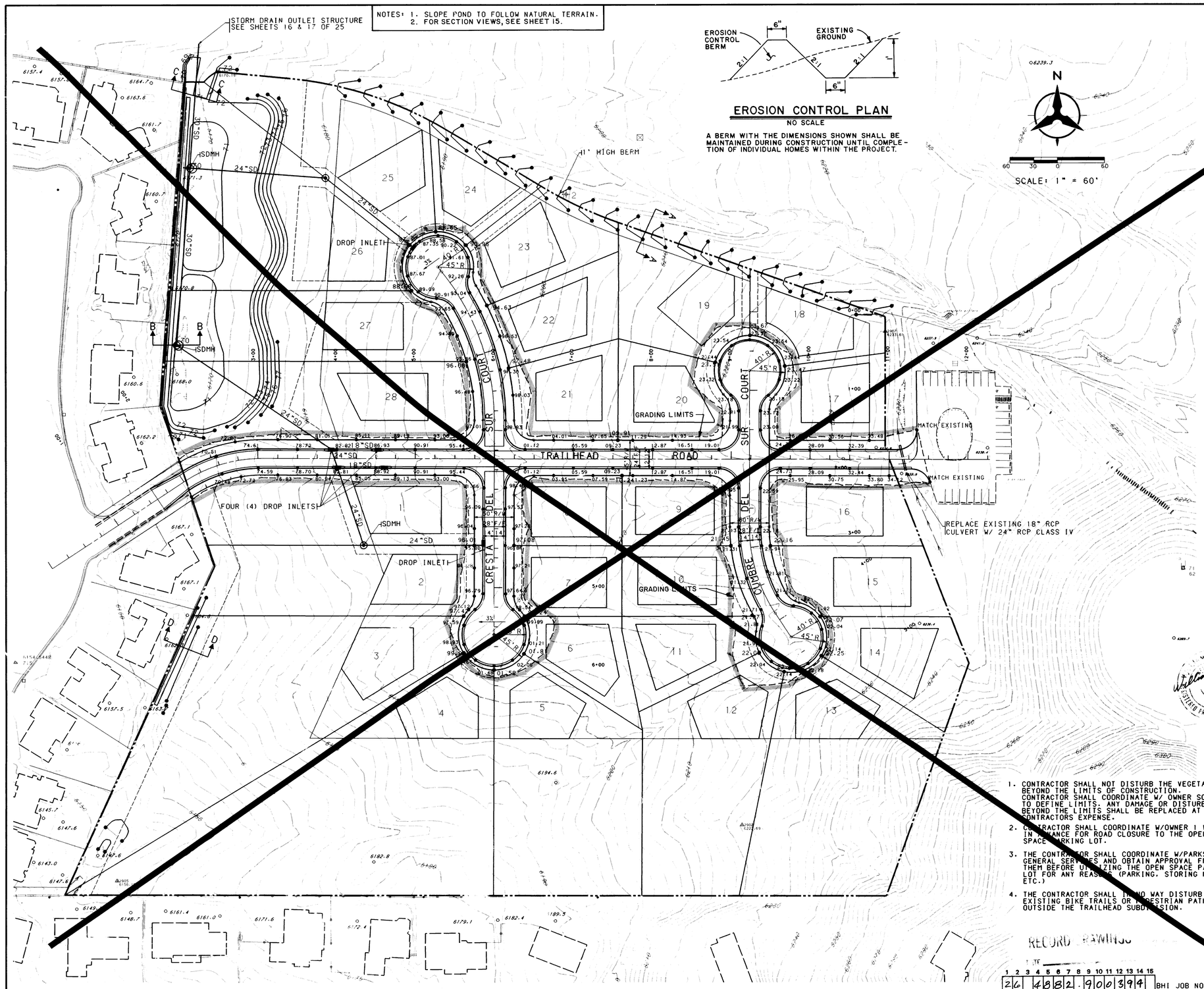
C:\ADCADD\CIVIL\P\S9312680\SHEET2.DWG 3/2/1994

SCANNED BY LASON

SHEET 2 OF 25

NOTES: 1. SLOPE POND TO FOLLOW NATURAL TERRAIN.
2. FOR SECTION VIEWS, SEE SHEET 15.

STORM DRAIN OUTLET STRUCTURE
SEE SHEETS 16 & 17 OF 25




## EROSION CONTROL PLAN

NO SCALE

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

EROSION CONTROL BERM — EXISTING GROUND — 6" — 2:1 — 1'

SCALE: 1" = 60'

### NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

### LEGEND

| | |
|---|---|
| PROJECT BOUNDARY | |
| EXISTING CONTOUR | |
| EXISTING SPOT ELEVATION | ○19.25 |
| PROPOSED SPOT ELEVATION | ●05.70 |
| DIRECTION OF FLOW | S=2.564% |
| EROSION CONTROL BERM | |
| PROPOSED RETAINING WALL | |
| EXISTING STORM DRAIN LINE | SD |
| EXISTING STORM DRAIN MANHOLE | |
| EXISTING STORM DRAIN INLET | |
| PROPOSED STORM DRAIN LINE | SD |
| PROPOSED STORM DRAIN MANHOLE | |
| PROPOSED STORM DRAIN INLET | |
| STREET FLOW | $Q_s$=5.0CFS |
| PIPE FLOW | $Q_p$=5.0CFS |
| SHEET FLOW | Q=5.5CFS |

*ALL FLOWS SHOWN ARE 100 YEAR EVENT

1. CONTRACTOR SHALL NOT DISTURB THE VEGETATION BEYOND THE LIMITS OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE W/ OWNER SO AS TO DEFINE LIMITS. ANY DAMAGE OR DISTURBANCE BEYOND THE LIMITS SHALL BE REPLACED AT CONTRACTORS EXPENSE.
2. CONTRACTOR SHALL COORDINATE W/OWNER 1 WEEK IN ADVANCE FOR ROAD CLOSURE TO THE OPEN SPACE PARKING LOT.
3. THE CONTRACTOR SHALL COORDINATE W/PARKS AND GENERAL SERVICES AND OBTAIN APPROVAL FROM THEM BEFORE UTILIZING THE OPEN SPACE PARKING LOT FOR ANY REASON. (PARKING, STORING MATERIALS, ETC.)
4. THE CONTRACTOR SHALL IN NO WAY DISTURB THE EXISTING BIKE TRAILS OR PEDESTRIAN PATHS OUTSIDE THE TRAILHEAD SUBDIVISION.

RECORD DRAWINGS
DATE 11/11/94

| AS-BUILT INFORMATION | |
|---|---|
| CONTRACTOR J.R. HALE | |
| WORK STAKED BY BHI | DATE 11/1/94 |
| WORK ACCEPTANCE BY BHI | DATE 11/1/94 |
| FIELD VERIFICATION BY BHI | DATE 11/1/94 |
| DRAWINGS CORRECTED BY BHI | DATE 11/1/94 |
| MICRO-FILM INFORMATION | |
| RECORDED BY | DATE |
| NO. | |

BENCH MARKS

STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL
JAMES R. TUMBLES, NEW MEXICO 9194, REGISTERED PROFESSIONAL ENGINEER
3-27-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | DELETED SHEET, SEE SHEET 3A | KP |

REVISIONS

| | | |
|---|---|---|
| DESIGN | | |
| DESIGNED BY | KGP | DATE 3/94 |
| DRAWN BY | KW, SV | DATE 3/94 |
| CHECKED BY | JRT | DATE 3/94 |

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

# TRAILHEAD SUBDIVISION
## FINAL GRADING AND DRAINAGE PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | B.J. Goldsby | 4-26-94 | WATER | N/A RWK | 4-1-94 |
| TRANSPORTATION | N/A RWD | 4-01-94 | WASTE WATER | N/A RWK | 4-1-94 |
| HYDROLOGY | [illegible] | 4-13-94 | | | |
| PARKS | D. Serna | 4-22-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 3 | 25 |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 4 8 8 2 . 9 0 0 3 9 4 BHI JOB NO. 93126.40

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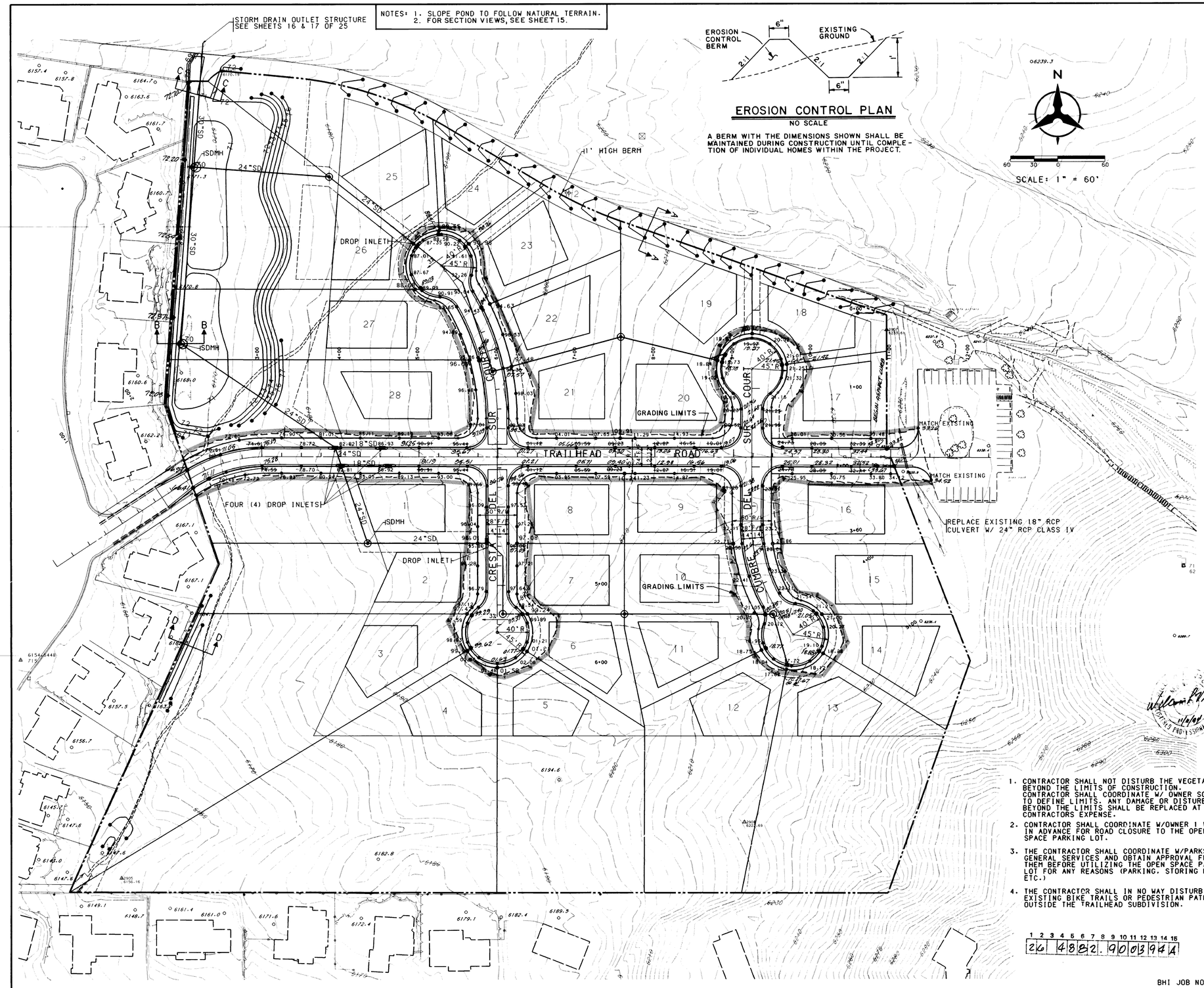
USERNAME: CDP:[C9312640]
FILENAME: GRADING.GRF

SCANNED BY
BY LASON

NOTES: 1. SLOPE POND TO FOLLOW NATURAL TERRAIN.
2. FOR SECTION VIEWS, SEE SHEET 15.




## NOTES

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

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

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

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

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

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

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

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

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

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

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

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

## LEGEND

| | |
|---|---|
| PROJECT BOUNDARY | |
| EXISTING CONTOUR | |
| EXISTING SPOT ELEVATION | ⊙19.25 |
| PROPOSED SPOT ELEVATION | ●05.70 |
| DIRECTION OF FLOW | S=2.564% |
| EROSION CONTROL BERM | |
| PROPOSED RETAINING WALL | |
| EXISTING STORM DRAIN LINE | —SD— |
| EXISTING STORM DRAIN MANHOLE | ◎ |
| EXISTING STORM DRAIN INLET | ▭ |
| PROPOSED STORM DRAIN LINE | —SD— |
| PROPOSED STORM DRAIN MANHOLE | ◎ |
| PROPOSED STORM DRAIN INLET | |
| STREET FLOW | $Q_S$=5.0CFS |
| PIPE FLOW | $Q_P$=5.0CFS |
| SHEET FLOW | Q=5.5CFS |

*ALL FLOWS SHOWN ARE 100 YEAR EVENT

11/11/94

1. CONTRACTOR SHALL NOT DISTURB THE VEGETATION BEYOND THE LIMITS OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE W/ OWNER SO AS TO DEFINE LIMITS. ANY DAMAGE OR DISTURBANCE BEYOND THE LIMITS SHALL BE REPLACED AT CONTRACTORS EXPENSE.
2. CONTRACTOR SHALL COORDINATE W/OWNER 1 WEEK IN ADVANCE FOR ROAD CLOSURE TO THE OPEN SPACE PARKING LOT.
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4. THE CONTRACTOR SHALL IN NO WAY DISTURB THE EXISTING BIKE TRAILS OR PEDESTRIAN PATHS OUTSIDE THE TRAILHEAD SUBDIVISION.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4882.90 03 94 A

BHI JOB NO. 93126.40

AS-BUILT INFORMATION
CONTRACTOR J.R. Hale
WORK STAKED BY BHI
INSPECTOR'S ACCEPTANCE BY BHI DATE 11/11/94
VERIFICATION BY BHI DATE 11/11/94
DRAWINGS CHANGED BY BHI DATE 11/11/94
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL
JAMES R. TOMWILER NEW MEXICO 6354 REGISTERED PROFESSIONAL ENGINEER
7/20/94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | REPLACES SHEET 3; REVISED GRADING LIMITS | KP |

REVISIONS

| | | |
|---|---|---|
| DESIGNED BY | KGP | DATE 3/94 |
| DRAWN BY | KW, SV | DATE 3/94 |
| CHECKED BY | JRT | DATE 3/94 |

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

# TRAILHEAD SUBDIVISION
## FINAL GRADING AND DRAINAGE PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | S.G. Gordaly | 8-23-94 | WATER | | |
| TRANSPORTATION | David W. Hanson | 8/29/94 | WASTE WATER | | |
| HYDROLOGY | Jean Calvagna | 8-3-94 | | | |

| DRAWING NO. | MAP NO. | SHEET OF |
|---|---|---|
| 4882.90 | F-23 | 3A OF 25 |

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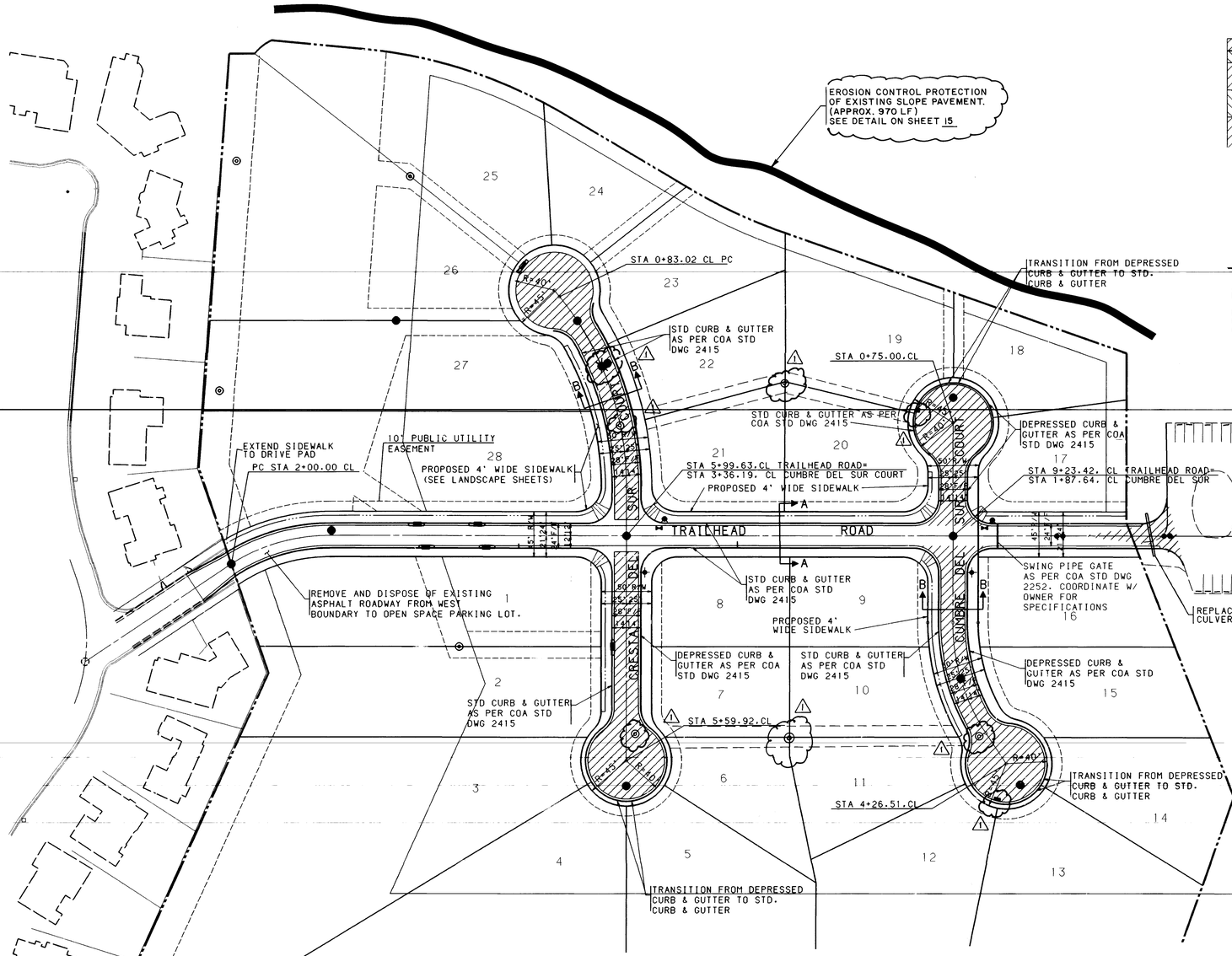
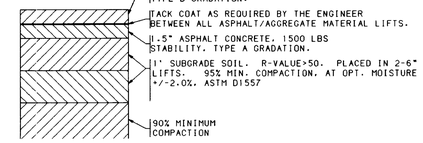
USERNAME: CDP:(C9312640)
FILENAME: GRADING.GRF
DATE:

SCANNED BY
BY LASOP




## TYPICAL SUBDIVISION PAVEMENT SECTION

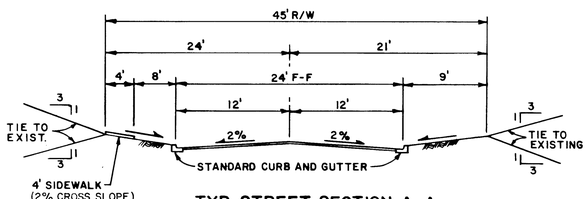
NO SCALE

**NOTE**

THE CONTRACTOR SHALL COORDINATE W/ THE OWNER AND THE FOLLOWING UTILITY COMPANIES FOR THEIR REMOVAL AND RELOCATION OF THE EXISTING UTILITIES IN TRAILHEAD SUBDIVISION
PNM 848-3486
U S WEST 245-8787
C.O.A. WATER UTILITY DIVISION 857-8000

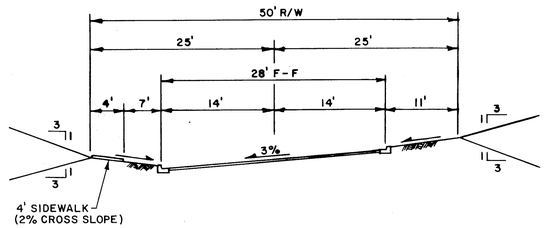
## LEGEND

| | |
|---|---|
| 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 | |
| EXISTING STREET LIGHT | |
| PROPOSED DOUBLE CLEAN OUT | |




## TYP. STREET SECTION A-A

NTS (PER COA STD DWG 2405)




## TYP. STREET SECTION B-B

NTS (PER COA STD DWG 2405)

## 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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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.

AS-BUILT INFORMATION
CONTRACTOR J.T.R. Hale
WORK STAKED BY BHI DATE 11/11/94
INSPECTOR'S ACCEPTANCE BY BHI DATE 11/11/94
FIELD VERIFICATION BY BHI DATE 11/11/94
DRAWINGS CORRECTED BY BHI DATE 11/11/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL
JAMES B. TOMPKINS NEW MEXICO 9356 REGISTERED PROFESSIONAL ENGINEER
3-29-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | ADD SD MANHOLES AND INLETS RELOCATE SAN MH | KP |

REVISIONS

| | | |
|---|---|---|
| DESIGNED BY | KP | DATE 3/9/94 |
| DRAWN BY | KW-SV | DATE 3/9/94 |
| CHECK'D BY | KP | DATE 3/9/94 |

11/14/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

# TRAILHEAD SUBDIVISION
## PAVING PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | 4-26-94 | WATER | N/A RWK | 4-1-94 |
| TRANSPORTATION | | 4-01-94 | WASTE WATER | N/A RWK | 4-1-94 |
| HYDROLOGY | N/A | 4-18-94 | | | |
| PARKS | N/A | 4-22-94 | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 4 OF 25

BHI JOB NO. 93126.40

2 6 4 8 8 2 . 9 0 0 4 9 4

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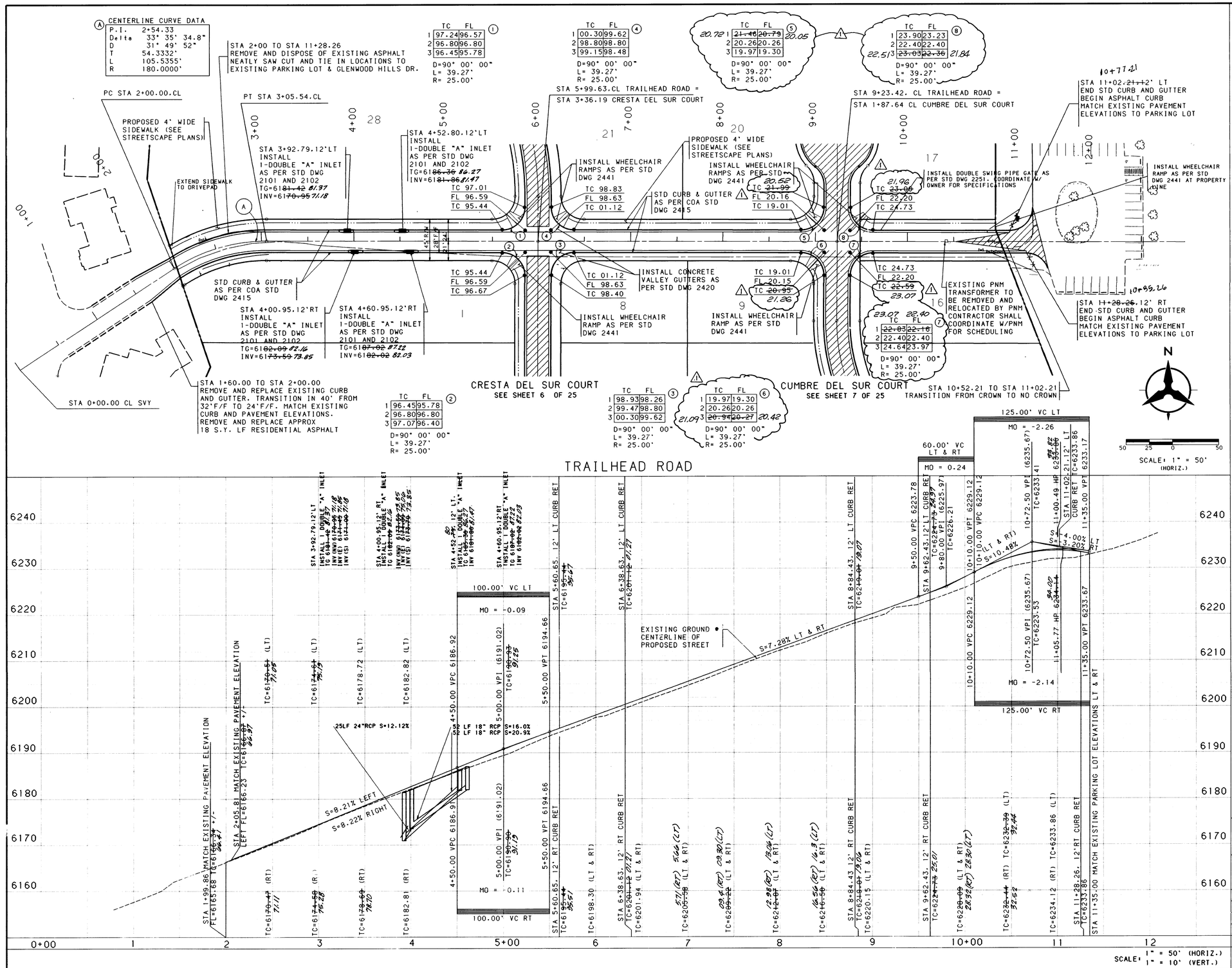
DATE:

USERNAME: CDP:[CDP]
FILENAME: PAVING.DRF

SCANNED BY BY LASON




## NOTES

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

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

AS-BUILT INFORMATION

| | | |
|---|---|---|
| CONTRACTOR | J.R. Hale | |
| WORK STAKED BY | BHI | 11/10/94 DATE |
| WORK WAS INSPECTED & ACCEPTANCE BY | BHI | 11/10/94 DATE |
| FIELD VERIFICATION BY | BHI | 11/11/94 DATE |
| DRAWINGS CORRECTED BY | BHI | 11/11/94 DATE |

MICRO-FILM INFORMATION

| | |
|---|---|
| RECORDED BY | DATE |
| NO. | |

BENCH MARKS

THE BENCH MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE LOCATED APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE.

X=425,465.55 Y=1,513,470.01

GROUND TO GRID FACTOR 0.99961970

ELEVATION=6009.155 FEET

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

ENGINEER'S SEAL

JAMES D. TOMMELLEO, NEW MEXICO 9554, REGISTERED PROFESSIONAL ENGINEER

3-27-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | REVISED ELEVATIONS | KP |

REVISIONS

| | | |
|---|---|---|
| DESIGNED BY | KP | DATE 3/9/94 |
| DRAWN BY | KW, SV | DATE 3/9/94 |
| CHECKED BY | KP | DATE 3/9/94 |

DESIGN

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4882 9005 94

RECORD DRAWING 11/11/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

BOHANNAN HUSTON INC.

# TRAILHEAD SUBDIVISION
## PAVING PLAN & PROFILE
## TRAILHEAD ROAD

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | 4-26-94 | WATER | N/A RWK | 4-1-94 |
| TRANSPORTATION | | 4-01-94 | WASTE WATER | N/A RWK | 4-1-94 |
| HYDROLOGY | N/A | 4-13-94 | | | |
| Parks | N/A | 4-22-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 5 | 25 |

USERNAME: CDP:[93126401]
FILENAME: PAVPNP1.GRF

BHI JOB NO. 93126.40

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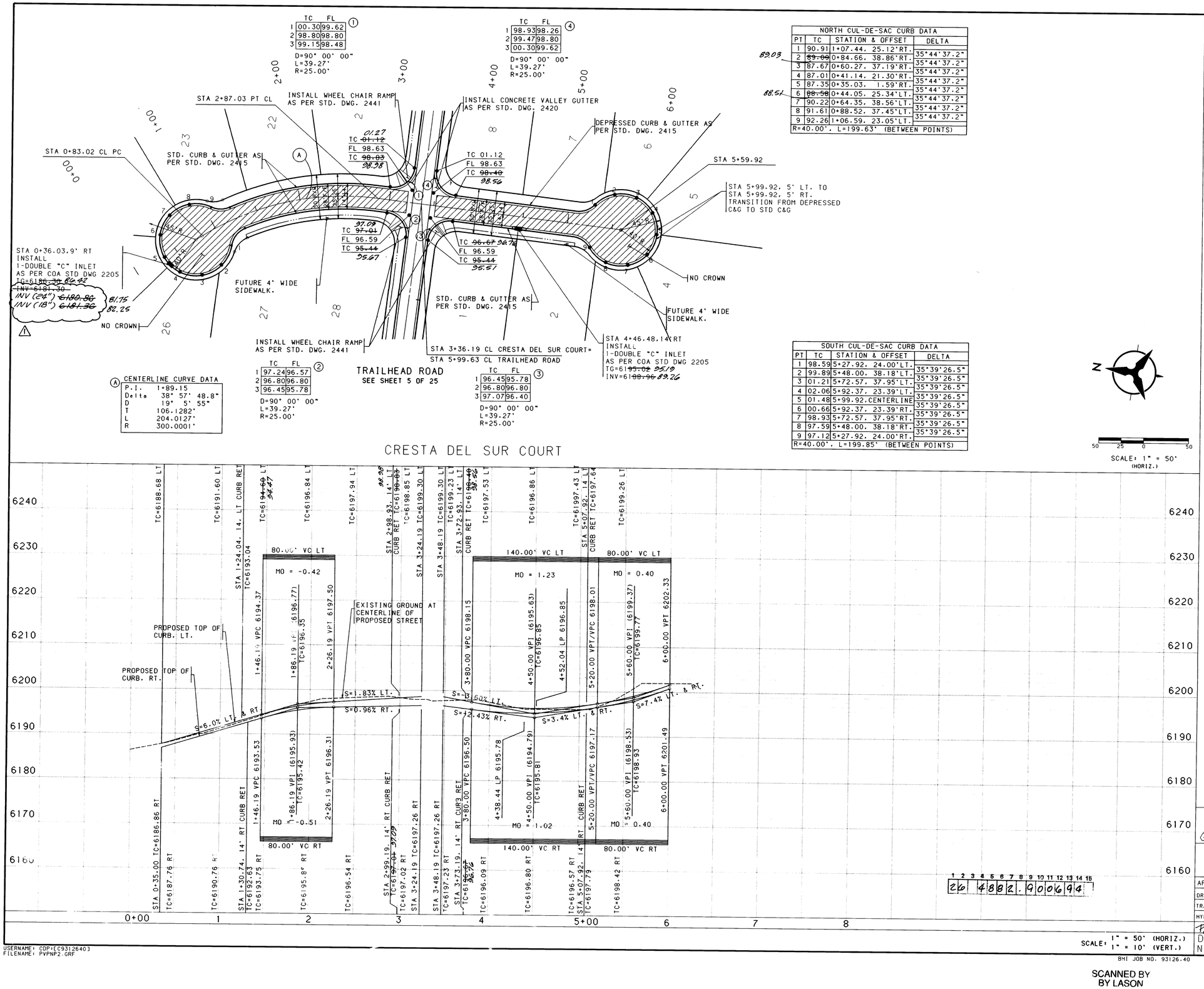
SCANNED BY BY LASON




| CENTERLINE CURVE DATA | |
|---|---|
| P.I. | 1+89.15 |
| Delta | 38° 57' 48.8" |
| D | 19° 5' 55" |
| T | 106.1282' |
| L | 204.0127' |
| R | 300.0001' |

| NORTH CUL-DE-SAC CURB DATA | | | |
|---|---|---|---|
| PT | TC | STATION & OFFSET | DELTA |
| 1 | 90.91 | 1+07.44, 25.12'RT. | 35°44'37.2" |
| 2 | ~~89.00~~ 89.03 | 0+84.66, 38.86'RT. | 35°44'37.2" |
| 3 | 87.67 | 0+60.27, 37.19'RT. | 35°44'37.2" |
| 4 | 87.01 | 0+41.14, 21.30'RT. | 35°44'37.2" |
| 5 | 87.35 | 0+35.03, 1.59'RT. | 35°44'37.2" |
| 6 | ~~88.58~~ 88.54 | 0+44.05, 25.34'LT. | 35°44'37.2" |
| 7 | 90.22 | 0+64.35, 38.56'LT. | 35°44'37.2" |
| 8 | 91.61 | 0+88.52, 37.45'LT. | 35°44'37.2" |
| 9 | 92.26 | 1+06.59, 23.05'LT. | 35°44'37.2" |
| R=40.00', L=199.63' (BETWEEN POINTS) | | | |

| SOUTH CUL-DE-SAC CURB DATA | | | |
|---|---|---|---|
| PT | TC | STATION & OFFSET | DELTA |
| 1 | 98.59 | 5+27.92, 24.00'LT. | 35°39'26.5" |
| 2 | 99.89 | 5+48.00, 38.18'LT. | 35°39'26.5" |
| 3 | 01.21 | 5+72.57, 37.95'LT. | 35°39'26.5" |
| 4 | 02.06 | 5+92.37, 23.39'LT. | 35°39'26.5" |
| 5 | 01.48 | 5+99.92, CENTERLINE | 35°39'26.5" |
| 6 | 00.66 | 5+92.37, 23.39'RT. | 35°39'26.5" |
| 7 | 98.93 | 5+72.57, 37.95'RT. | 35°39'26.5" |
| 8 | 97.59 | 5+48.00, 38.18'RT. | 35°39'26.5" |
| 9 | 97.12 | 5+27.92, 24.00'RT. | 35°39'26.5" |
| R=40.00', L=199.85' (BETWEEN POINTS) | | | |

## NOTES

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

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

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

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

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

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

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

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

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

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

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

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

AS-BUILT INFORMATION

CONTRACTOR U.R. Hale
SURVEYED BY BHI 11/11/96
INSPECTOR'S ACCEPTANCE BY BHI DATE
VERIFICATION BY BHI DATE 11/11/96
CORRECTIONS BY BHI DATE 11/11/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

THE BENCH MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE LOCATED APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE.
X=425,465.55 Y=1,513,470.01
GROUND TO GRID FACTOR 0.99961970
ELEVATION=6009.155 FEET

SURVEY INFORMATION

| NO. | BY | DATE |
|---|---|---|
| | | |

FIELD NOTES

ENGINEER'S SEAL

JAMES B. TAPHOLLER NEW MEXICO 9334 REGISTERED PROFESSIONAL ENGINEER
3-22-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | REVISED INVERT ELEVATION | KP |

REVISIONS

DESIGN

DESIGNED BY KP DATE 3/9/94
DRAWN BY KW,SV DATE 3/9/94
CHECKED BY KP DATE 3/9/94

RECORD DRAWINGS
7/19/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

# TRAILHEAD SUBDIVISION
## PAVING PLAN & PROFILE
## CRESTA DEL SUR COURT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | 4-26-94 | WATER | N/A RWK | 4-1-94 |
| TRANSPORTATION | | 4-01-94 | WASTE WATER | N/A RWK | 4-1-94 |
| HYDROLOGY | N/A | 4-18-94 | | | |
| PARKS | N/A | 4-22-94 | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 6 OF 25

26 4882.90069 4

USERNAME: CDP:[C93126403]
FILENAME: PVPNP2.GRF

BHI JOB NO. 93126.40

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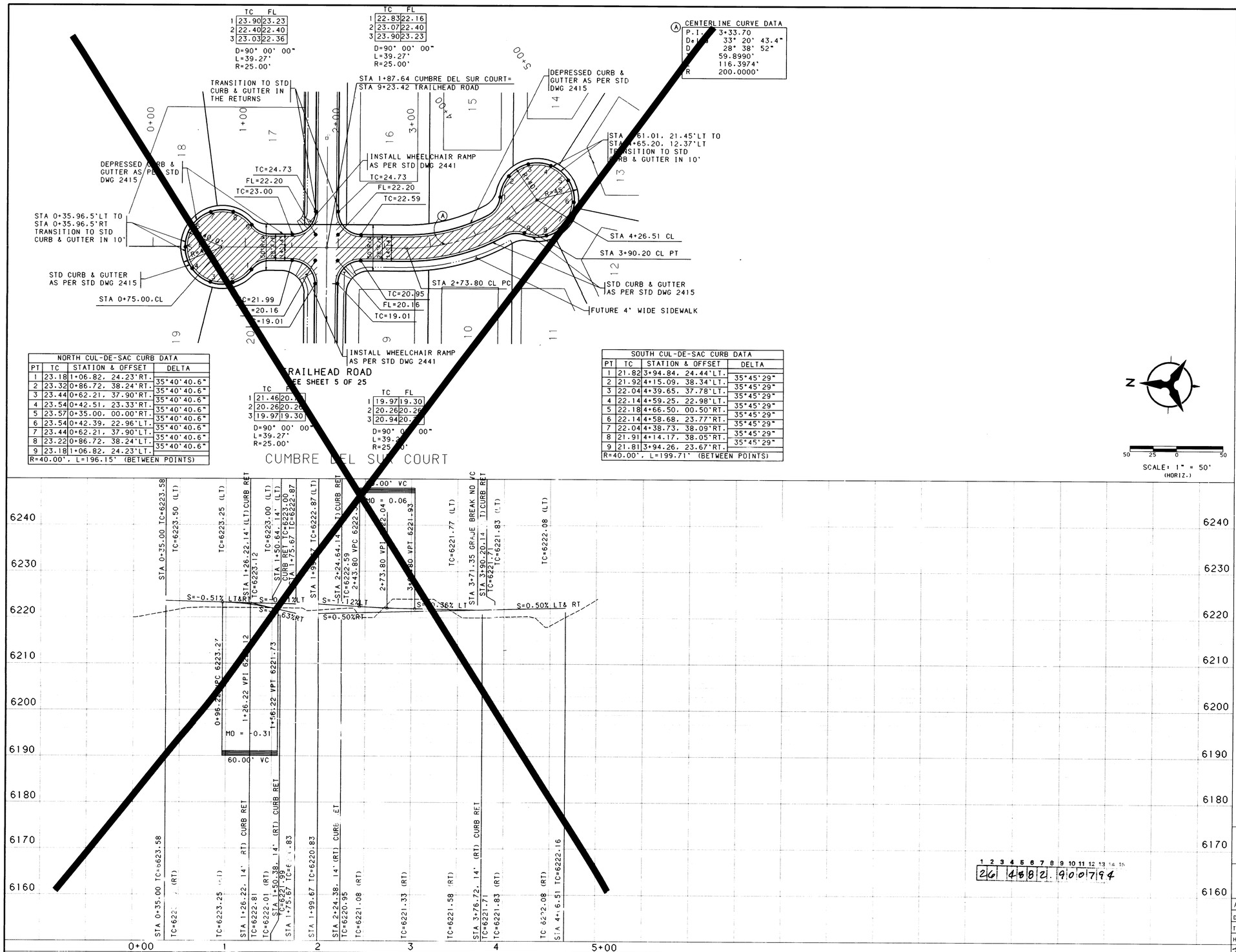
DATE:

SCANNED BY BY LASON




| NORTH CUL-DE-SAC CURB DATA | | | |
|---|---|---|---|
| PT | TC | STATION & OFFSET | DELTA |
| 1 | 23.18 | 1+06.82, 24.23'RT. | 35°40'40.6" |
| 2 | 23.32 | 0+86.72, 38.24'RT. | 35°40'40.6" |
| 3 | 23.44 | 0+62.21, 37.90'RT. | 35°40'40.6" |
| 4 | 23.54 | 0+42.51, 23.33'RT. | 35°40'40.6" |
| 5 | 23.57 | 0+35.00, 00.00'RT. | 35°40'40.6" |
| 6 | 23.54 | 0+42.39, 22.96'LT. | 35°40'40.6" |
| 7 | 23.44 | 0+62.21, 37.90'LT. | 35°40'40.6" |
| 8 | 23.22 | 0+86.72, 38.24'LT. | 35°40'40.6" |
| 9 | 23.18 | 1+06.82, 24.23'LT. | |
| R=40.00', L=196.15' (BETWEEN POINTS) | | | |

| SOUTH CUL-DE-SAC CURB DATA | | | |
|---|---|---|---|
| PT | TC | STATION & OFFSET | DELTA |
| 1 | 21.82 | 3+94.84, 24.44'LT. | |
| 2 | 21.92 | 4+15.09, 38.34'LT. | 35°45'29" |
| 3 | 22.04 | 4+39.65, 37.78'LT. | 35°45'29" |
| 4 | 22.14 | 4+59.25, 22.98'LT. | 35°45'29" |
| 5 | 22.18 | 4+66.50, 00.50'RT. | 35°45'29" |
| 6 | 22.14 | 4+58.68, 23.77'RT. | 35°45'29" |
| 7 | 22.04 | 4+38.73, 38.09'RT. | 35°45'29" |
| 8 | 21.91 | 4+14.17, 38.05'RT. | 35°45'29" |
| 9 | 21.81 | 3+94.26, 23.67'RT. | 35°45'29" |
| R=40.00', L=199.71' (BETWEEN POINTS) | | | |

## NOTES

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

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

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

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

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

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

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

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

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

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

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

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

AS-BUILT INFORMATION
CONTRACTOR J.R. HALE
STAKED BY BHI DATE 11/11/94
INSPECTOR'S ACCEPTANCE BY BHI DATE 11/11/94
FIELD VERIFICATION BY BHI DATE 11/11/94
DRAWINGS CORRECTED BY BHI DATE 11/11/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL
JAMES R. TOMELLO NEW MEXICO 6534 REGISTERED PROFESSIONAL ENGINEER
3-7-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | DELETED SHEET, SEE SHEET 7A | KP |

REVISIONS

| DESIGN | | |
|---|---|---|
| DESIGNED BY | KP | DATE 3/9/94 |
| DRAWN BY | KW.SV | DATE 3/9/94 |
| CHECKED BY | KP | DATE 3/9/94 |

RECORD DRAWINGS
11/11/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

# TRAILHEAD SUBDIVISION
## PAVING PLAN & PROFILE
## CUMBRE DEL SUR COURT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | 4-26-94 | WATER | N/A RWK | 4-1-94 |
| TRANSPORTATION | N/A RHP | 4-01-94 | WASTE WATER | N/A RWK | 4-1-94 |
| HYDROLOGY | N/A RH | 4-13-94 | | | |
| PWWS | N/A DS | 4-22-94 | | | |

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

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 7 OF 25

BHI JOB NO. 93126.40

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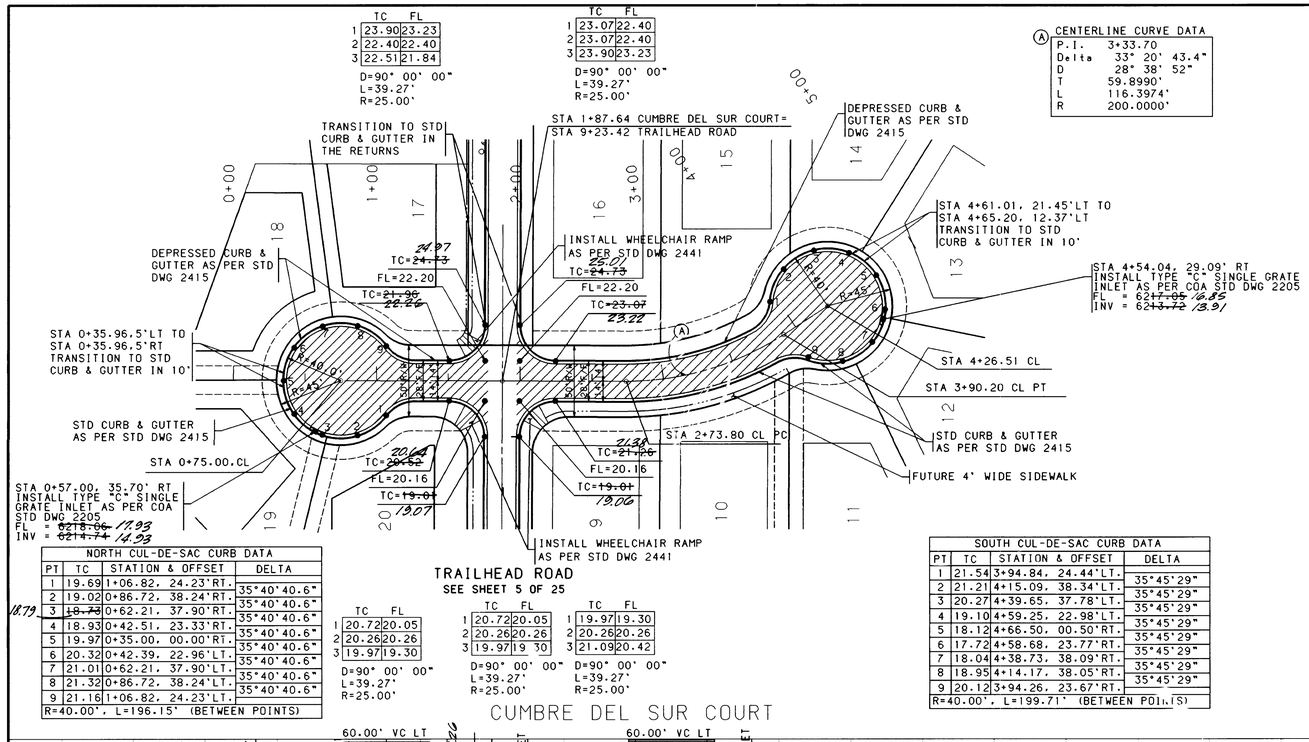
DATE:

USERNAME: CDP:[C9312640]
FILENAME: PVPNP3.GRF

SCANNED BY
BY LASON

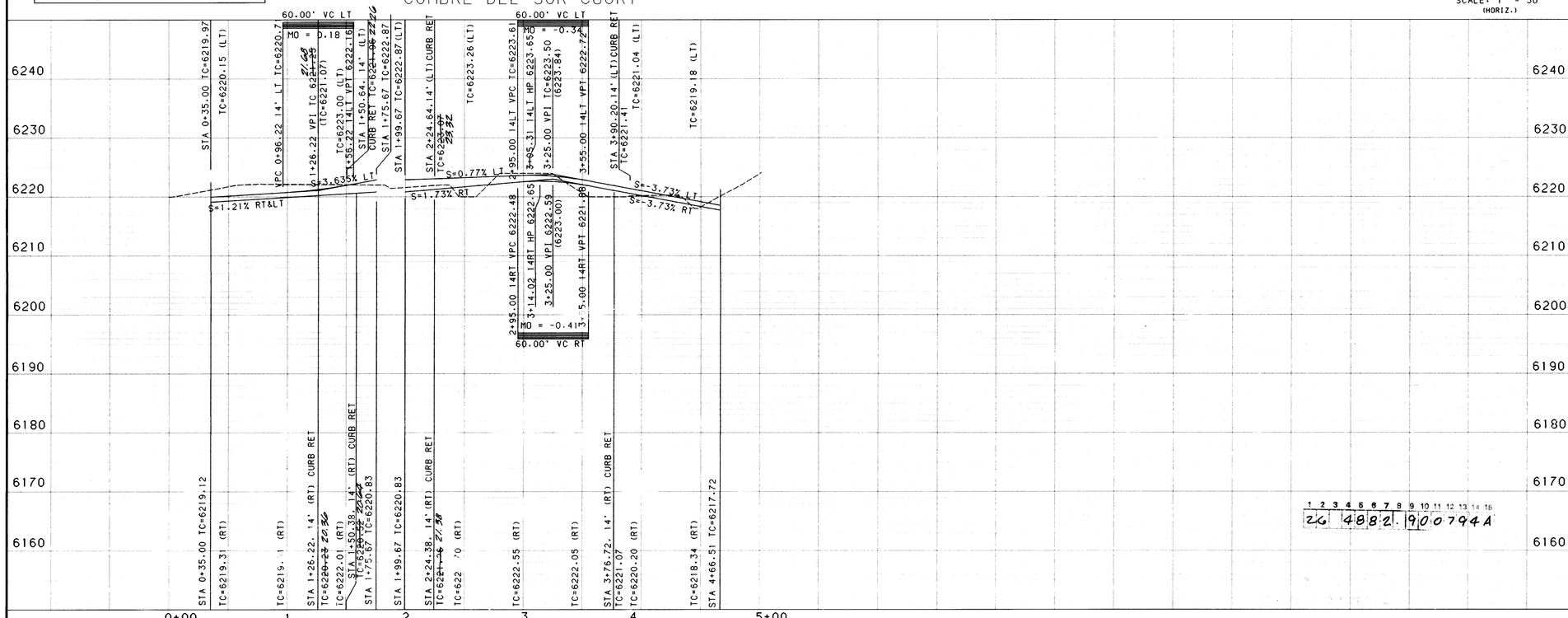



| CENTERLINE CURVE DATA | |
|---|---|
| P.I. | 3+33.70 |
| Delta | 33° 20' 43.4" |
| D | 28° 38' 52" |
| T | 59.8990' |
| L | 116.3974' |
| R | 200.0000' |

| NORTH CUL-DE-SAC CURB DATA | | | |
|---|---|---|---|
| PT | TC | STATION & OFFSET | DELTA |
| 1 | 19.69 | 1+06.82, 24.23'RT. | 35°40'40.6" |
| 2 | 19.02 | 0+86.72, 38.24'RT. | 35°40'40.6" |
| 3 | ~~18.73~~ 18.79 | 0+62.21, 37.90'RT. | 35°40'40.6" |
| 4 | 18.93 | 0+42.51, 23.33'RT. | 35°40'40.6" |
| 5 | 19.97 | 0+35.00, 00.00'RT. | 35°40'40.6" |
| 6 | 20.32 | 0+42.39, 22.96'LT. | 35°40'40.6" |
| 7 | 21.01 | 0+62.21, 37.90'LT. | 35°40'40.6" |
| 8 | 21.32 | 0+86.72, 38.24'LT. | 35°40'40.6" |
| 9 | 21.16 | 1+06.82, 24.23'LT. | |
| R=40.00', L=196.15' (BETWEEN POINTS) | | | |

| SOUTH CUL-DE-SAC CURB DATA | | | |
|---|---|---|---|
| PT | TC | STATION & OFFSET | DELTA |
| 1 | 21.54 | 3+94.84, 24.44'LT. | 35°45'29" |
| 2 | 21.21 | 4+15.09, 38.34'LT. | 35°45'29" |
| 3 | 20.27 | 4+39.65, 37.78'LT. | 35°45'29" |
| 4 | 19.10 | 4+59.25, 22.98'LT. | 35°45'29" |
| 5 | 18.12 | 4+66.50, 00.50'RT. | 35°45'29" |
| 6 | 17.72 | 4+58.68, 23.77'RT. | 35°45'29" |
| 7 | 18.04 | 4+38.73, 38.09'RT. | 35°45'29" |
| 8 | 18.95 | 4+14.17, 38.05'RT. | 35°45'29" |
| 9 | 20.12 | 3+94.26, 23.67'RT. | |
| R=40.00', L=199.71' (BETWEEN POINTS) | | | |

SCALE: 1" = 50' (HORIZ.)




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

## NOTES

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

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

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

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

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

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

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

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

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

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

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

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

AS-BUILT INFORMATION
CONTRACTOR J.R. Hale
WORK STAKED BY BHI DATE 1/7/94
ACCEPTANCE BY BHI DATE 1/11/94
FIELD VERIFICATION BY BHI DATE 1/11/94
DRAWINGS CORRECTED BY BHI DATE 1/11/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155'.

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL
JAMES R. TOMPKINS NEW MEXICO 6354 REGISTERED PROFESSIONAL ENGINEER
7-20-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | REPLACED SHEET 7/LOWERED GRADES | KP |

REVISIONS

| DESIGN | | |
|---|---|---|
| DESIGNED BY | KP | DATE 3/9/94 |
| DRAWN BY | KW.SV | DATE 3/9/94 |
| CHECKED BY | KP | DATE 3/9/94 |

William P. Vranke
1/11/94
1/11/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

# TRAILHEAD SUBDIVISION
## PAVING PLAN & PROFILE
## CUMBRE DEL SUR COURT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | B.J. Goolsby | 8-23-94 | WATER | | |
| TRANSPORTATION | David W. Hanna | 8/24/94 | WASTE WATER | | |
| HYDROLOGY | Jason Calderon | 8-3-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 7A | 25 |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4882.90 0794A

BHI JOB NO. 93126.40

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DATE:

USERNAME: CDP:[C93126401]
FILENAME: PVPNP3.GRF

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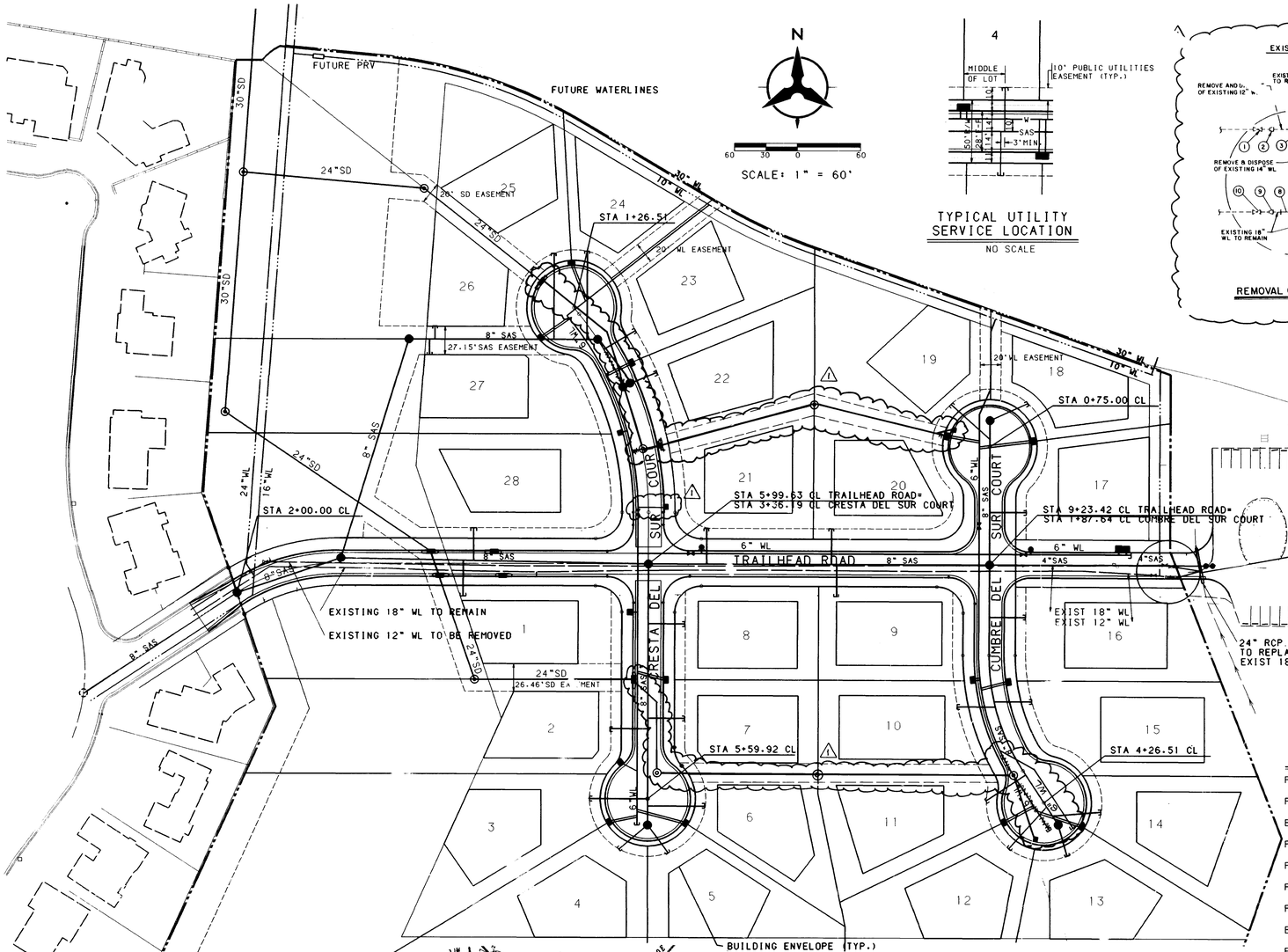
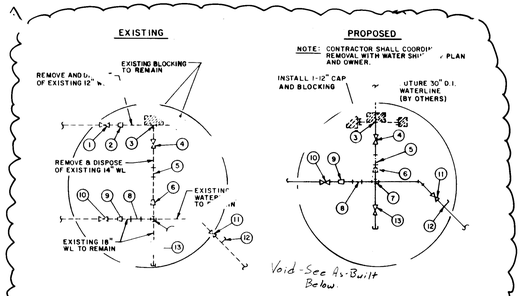






TYPICAL UTILITY SERVICE LOCATION

NO SCALE




REMOVAL OF 12" WATERLINE AT 18" WATERLINE CONNECTION

## NOTES

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

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

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

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

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

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

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

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

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

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

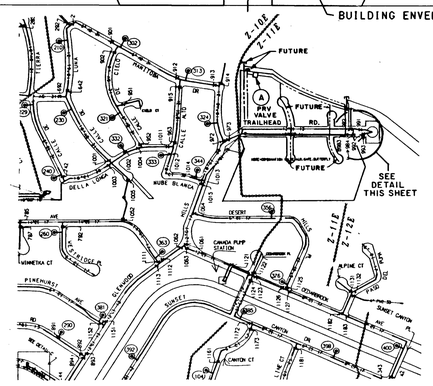
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

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

## 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 | |

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




WATER VALVE SHUT-OFF PLAN

NO SCALE F-23

WATER VALVE SHUT-OFF REQUIREMENTS:

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

AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT PWD/WATER SYSTEMS DIVISION (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN.

* WATER SHUT-OFF FOR PROPOSED CONNECTION AT: CLOSE VALVE:

A. NORTHERN BOUNDARY OF CRESTA DEL SUR CT. (NON-PRESSURE CONNECTION) (A)

B. NORTHERN BOUNDARY OF CUMBRE DEL SUR CT. (NON-PRESSURE CONNECTION) (4) (SEE DETAIL THIS SHEET)

WATER SHUT-OFF FOR PROPOSED REMOVAL OF 12" WL AT:

C. INTERSECTION OF GLENWOOD HILLS DRIVE W/ NUBE BLANCA, DESERT HILLS AND CEDARBROOK AVE. 1015, 1061, 1064

D. EASTERN BOUNDARY OF THE PROPOSED SUBDIVISION (TRAILHEAD) (4) (SEE DETAIL THIS SHEET)

* THE CONNECTION OF THE 6" WATERLINE AT CRESTA DEL SUR AND CUMBRE DEL SUR ASSUMES THAT THE WATERLINES FROM HIGH DESERT 1-C HAVE BEEN INSTALLED AND ACCEPTED. COORDINATE WITH OWNER.

BHI JOB NO. 93126.40

## AS-BUILT INFORMATION

CONTRACTOR U.R. Hale DATE 1/11/94
STAKED BY BHI DATE 1/11/94
INSPECTOR'S ACCEPTANCE BY BHI DATE 1/11/94
FIELD VERIFICATION BY BHI DATE 1/11/94
DRAWINGS CORRECTED BY BHI DATE 1/11/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

## BENCH MARKS

STATION IS A STANDARD USC&GS BRASS 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 DRIVE.

ELEV.=6009.155'

## SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

JAMES A. TOMILLER, NEW MEXICO 5354, PROFESSIONAL ENGINEER

3.27.94

## REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | ADDED SD/RELOCATE WL & SAS | KP |

DESIGNED BY KP DATE 3/9/94
DRAWN BY KW.SV DATE 3/9/94
CHECKED BY KP DATE 3/9/94

1/11/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

BOHANNAN-HUSTON INC.

# TRAILHEAD SUBDIVISION
## UTILITY PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | J.J. Goolsby | 4-26-94 | WATER | R.W. Kane | 4-1-94 |
| TRANSPORTATION | N/A RHD | 4.01.94 | WASTE WATER | R.W. Kane | 4-1-94 |
| HYDROLOGY | N/A RHD | 4/13/94 | | | |
| Parks | N/A | 4.22.94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 8 | 25 |

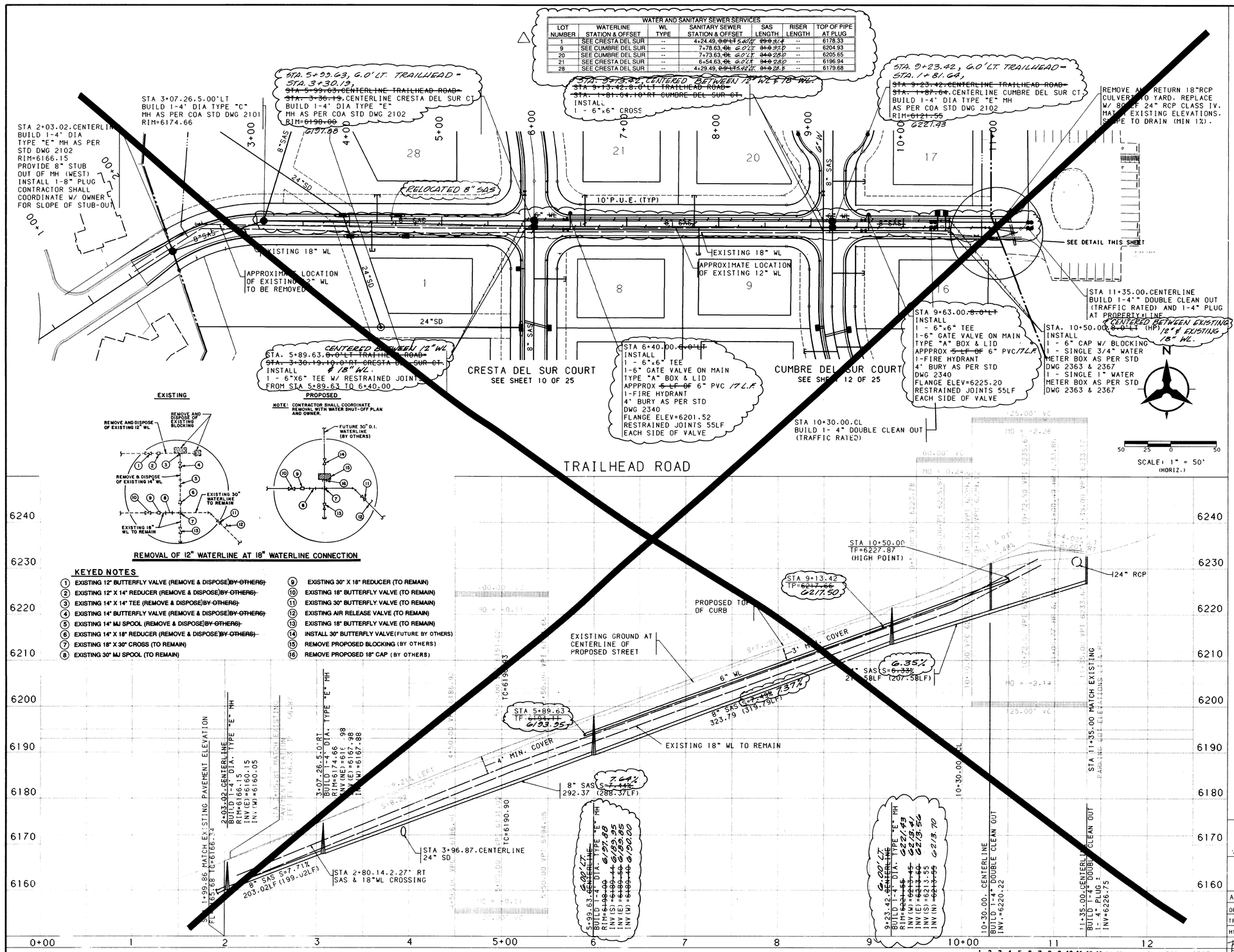
Copyright Bohannan-Huston, Inc. 1994

DATE:

USERNAME: CDP(ECOP)
FILENAME: UTILITY.GRF

SCANNED BY BY LASON

| WATER AND SANITARY SEWER SERVICES | | | | | | |
|---|---|---|---|---|---|---|
| LOT NUMBER | WATERLINE STATION & OFFSET | WL TYPE | SANITARY SEWER STATION & OFFSET | SAS LENGTH | RISER LENGTH | TOP OF PIPE AT PLUG |
| 1 | SEE CRESTA DEL SUR | -- | 4+24.49, ~~0.0' LT~~ ~~5.0'LT~~ ~~29.0~~ 31.4 | -- | -- | 6178.33 |
| 9 | SEE CUMBRE DEL SUR | -- | 7+78.63, ~~0'LT~~ ~~6.0'LT~~ ~~31.0~~ 37.0 | -- | -- | 6204.93 |
| 20 | SEE CUMBRE DEL SUR | -- | 7+73.63, ~~0'LT~~ ~~6.0'LT~~ ~~31.0~~ 28.0 | -- | -- | 6205.65 |
| 21 | SEE CRESTA DEL SUR | -- | 6+54.63, ~~0'LT~~ ~~6.0'LT~~ ~~31.0~~ 22.0 | -- | -- | 6196.94 |
| 28 | SEE CRESTA DEL SUR | -- | 4+29.49, ~~0.0' LT~~ ~~5.0'LT~~ ~~31.0~~ 28.5 | -- | -- | 6179.68 |




## NOTES

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

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

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

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

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

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

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

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

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

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

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

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

NOTE:

CONTRACTOR SHALL REMOVE AND RETURN TO CITY YARD THE EXISTING 12" DUCTILE IRON WATERLINE FROM STA 2+00.00 TO STA 11+00.00 IN TRAILHEAD ROAD. AT STA 2+00.00 CONTRACTOR SHALL CUT, CAP AND BLOCK 12" WL. CONTRACTOR SHALL COORDINATE W/OWNER AND WATER SHUT OFF PLAN BEFORE BEGINNING REMOVAL OF WATERLINE.

NOTE:

CONTRACTOR SHALL RESTRAIN ALL MECHANICAL JOINTS.

AS-BUILT INFORMATION

CONTRACTOR JRR HALE
WORK STAKED BY BHI DATE 7/14/94
INSPECTOR'S ACCEPTANCE BY BHI DATE 7/14/94
FIELD VERIFICATION BY BHI DATE 7/14/94
DRAWINGS CORRECTED BY BHI DATE 7/14/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

THE BENCH MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "TUBLE 1969" SET IN CONCRETE LOCATED APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE.
X=425,465.55 Y=1,513,470.01
GROUND TO GRID FACTOR 0.99961970
ELEVATION=6009.155 FEET

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | DELETED SHEET, SEE SHEET 94 | KP |
| 2 | 6-20-94 | ADDED WL/SAS SERVICE TABLE | KP |

REVISIONS

DESIGN
DESIGNED BY KP DATE 3/9/94
DRAWN BY KW,SV DATE 3/9/94
CHECKED BY KP DATE 3/9/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

# TRAILHEAD SUBDIVISION
## UTILITY PLAN & PROFILE
## TRAILHEAD ROAD

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | B.D. Foshay | 4-26-94 | WATER | R.W. Kane | 4-1-94 |
| TRANSPORTATION | WARHO | 4-01-94 | WASTE WATER | R.W. Kane | 4-1-94 |
| HYDROLOGY | N/A | 4-13-94 | | | |
| PARKS | NA | 4-13-94 | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 9 OF 25

26 4882.90 09 09 94

BHI JOB NO. 93126.40

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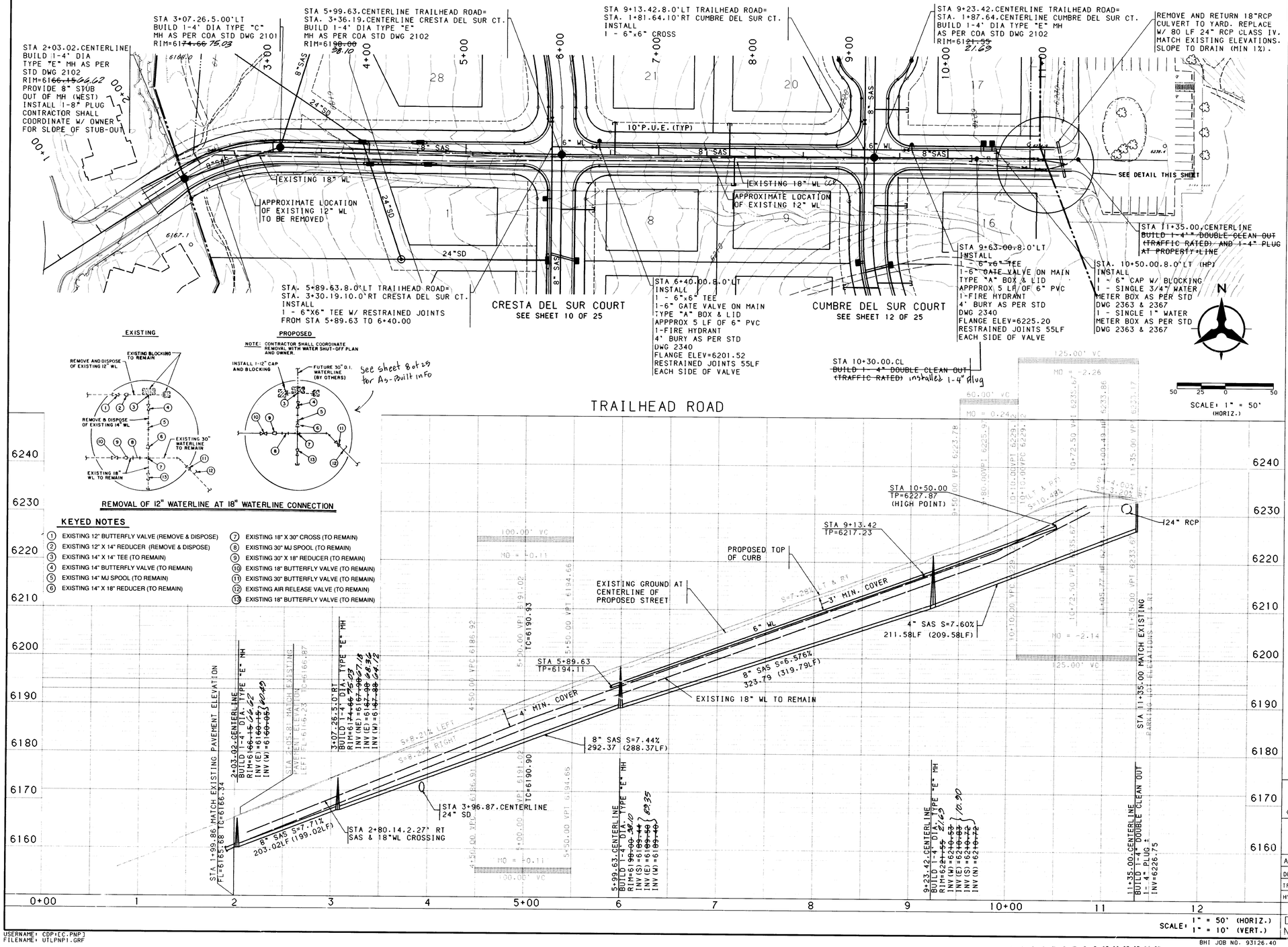
USERNAME: CDP:(C.PNP)
FILENAME: UTLPNP1.GRF

SCANNED BY BY LASON

| WATER AND SANITARY SEWER SERVICES | | | | | | |
|---|---|---|---|---|---|---|
| LOT NUMBER | WATERLINE STATION & OFFSET | WL TYPE | SANITARY SEWER STATION & OFFSET | SAS LENGTH | RISER LENGTH | TOP OF PIPE AT PLUG |
| 1 | SEE CRESTA DEL SUR | -- | 4+24.49, 3.0' LT | 29.0 | -- | 6178.33 |
| 9 | SEE CUMBRE DEL SUR | -- | 7+78.63, CL | 31.0 | -- | 6204.93 |
| 20 | SEE CUMBRE DEL SUR | -- | 7+73.63, CL | 34.0 | -- | 6205.65 |
| 21 | SEE CRESTA DEL SUR | -- | 6+54.63, CL | 34.0 | -- | 6196.94 |
| 28 | SEE CRESTA DEL SUR | -- | 4+29.49, 2.9' LT | 31.0 | -- | 6179.68 |




## NOTES

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

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

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

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

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

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

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

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

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

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CONTRACTOR SHALL REMOVE AND RETURN TO CITY YARD THE EXISTING 12" DUCTILE IRON WATERLINE FROM STA 2+00.00 TO STA 11+00.00 IN TRAILHEAD ROAD. AT STA 2+00.00 CONTRACTOR SHALL CUT, CAP AND BLOCK 12" WL. CONTRACTOR SHALL COORDINATE W/OWNER AND WATER SHUT OFF PLAN BEFORE BEGINNING REMOVAL OF WATERLINE.

NOTE:

CONTRACTOR SHALL RESTRAIN ALL MECHANICAL JOINTS.

AS-BUILT INFORMATION
CONTRACTOR LCR Fab DATE 11/11/94
STAKED BY BHI DATE 11/11/94
INSPECTOR'S ACCEPTANCE BY BHI DATE 11/11/94
FIELD VERIFICATION BY BHI DATE 11/11/94
DRAWINGS CORRECTED BY BHI DATE 11/11/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE BENCH MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE LOCATED APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE.
X=425,465.55 Y=1,513,470.01
GROUND TO GRID FACTOR 0.99961970
ELEVATION=6009.155 FEET

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES R. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER
7-20-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | REPLACES SHEET 9; LOWERED SAS LINE | KP |

REVISIONS

DESIGN
DESIGNED BY KP DATE 3/9/94
DRAWN BY KW.SV DATE 3/9/94
CHECKED BY KP DATE 3/9/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

# TRAILHEAD SUBDIVISION
## UTILITY PLAN & PROFILE
## TRAILHEAD ROAD

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | 8-23-94 | WATER | | 11 AUG 94 |
| TRANSPORTATION | | 8-02-94 | WASTE WATER | | |
| HYDROLOGY | | 8-3-94 | | | |

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

DRAWING NO. 4882.90 MAP NO. F-23 SHEET 9A OF 25

BHI JOB NO. 93126.40

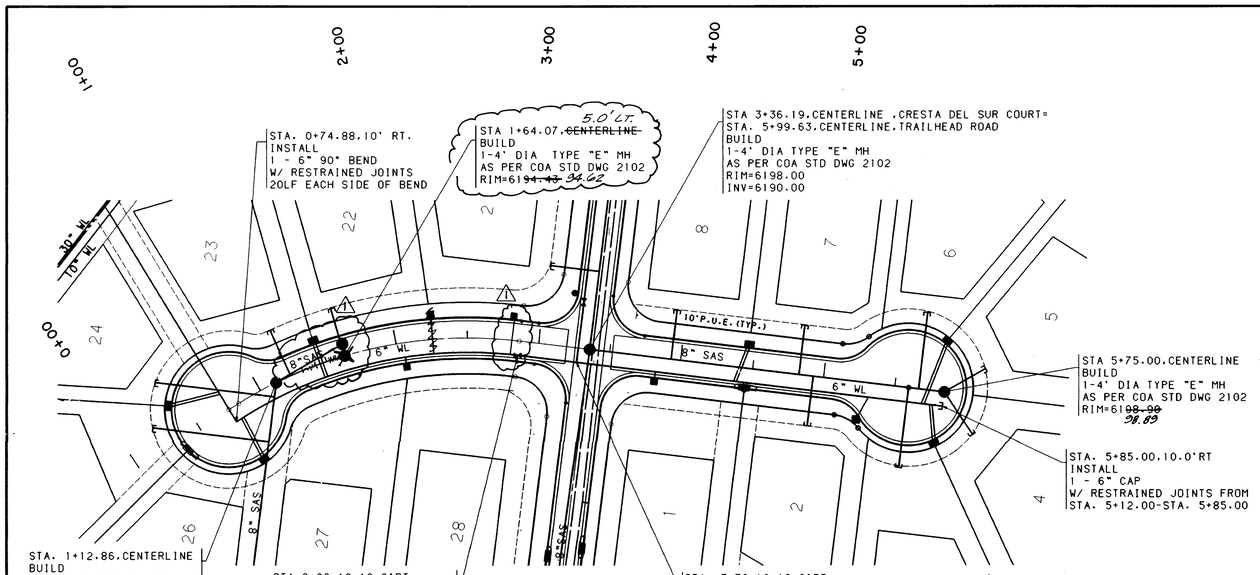
Copyright Bohannan-Huston, Inc. 1994

DATE:

USERNAME: CDP[C.PNP]
FILENAME: UTLPNP1.GRF

26 4882.900994A

SCANNED BY BY LASON




CRESTA DEL SUR COURT

| WATER AND SANITARY SEWER SERVICES | | | | | | |
|---|---|---|---|---|---|---|
| LOT NUMBER | WATERLINE STATION & OFFSET | WL TYPE | SANITARY SEWER STATION & OFFSET | SAS LENGTH | RISER LENGTH | TOP OF PIPE AT PLUG |
| 1 | 3+82.19, 10.0' RT | SINGLE | SEE TRAILHEAD RD. | SHEET | -- | |
| 2 | 5+28.43, 10.0' RT | SINGLE | 4+93.19, CL | 35.0 | -- | 6192.09 |
| 3 | 5+77.76, 10.0' RT | DOUBLE | 5+59.92, CL | 55.0 | -- | 6193.04 |
| 4 | | | 5+84.92, CL | 35.4 | -- | 6193.10 |
| 5 | 5+71.07, 10.0' RT | DOUBLE | 5+84.92, CL | 32.8 | -- | 6192.97 |
| 6 | | | 5+66.92, CL | 54.5 | -- | 6194.70 |
| 7 | 4+46.48, 10.0' RT | DOUBLE | 4+83.19, CL | 35.0 | -- | 6192.18 |
| 8 | | | 3+93.19, CL | 35.0 | -- | 6191.64 |
| 21 | 2+87.00,10.0' RT | SINGLE | SEE TRAILHEAD RD. | SHEET | -- | -- |
| 22 | 1+47.18, 10.0' RT | DOUBLE | 1+64.07, 5.00' LT. | 30.0 | -- | 6190.44 |
| 23 | | | 1+24.04, CL | 35.0 | -- | 6187.18 |
| 24 | 0+77.15, 12.42' LT | DOUBLE | SEE SEWER EXTENSION | SHEET | -- | -- |
| 25 | | | SEE SEWER EXTENSION | SHEET | -- | -- |
| 26 | 0+80.06, 10.0' RT | DOUBLE | SEE SEWER EXTENSION | SHEET | -- | -- |
| 27 | | | SEE SEWER EXTENSION | SHEET | -- | -- |
| 28 | 2+05.71, 10.0' RT | SINGLE | SEE TRAILHEAD RD. | SHEET | -- | -- |

SCALE: 1" = 50' (HORIZ.)

## NOTES

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

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

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

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

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

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

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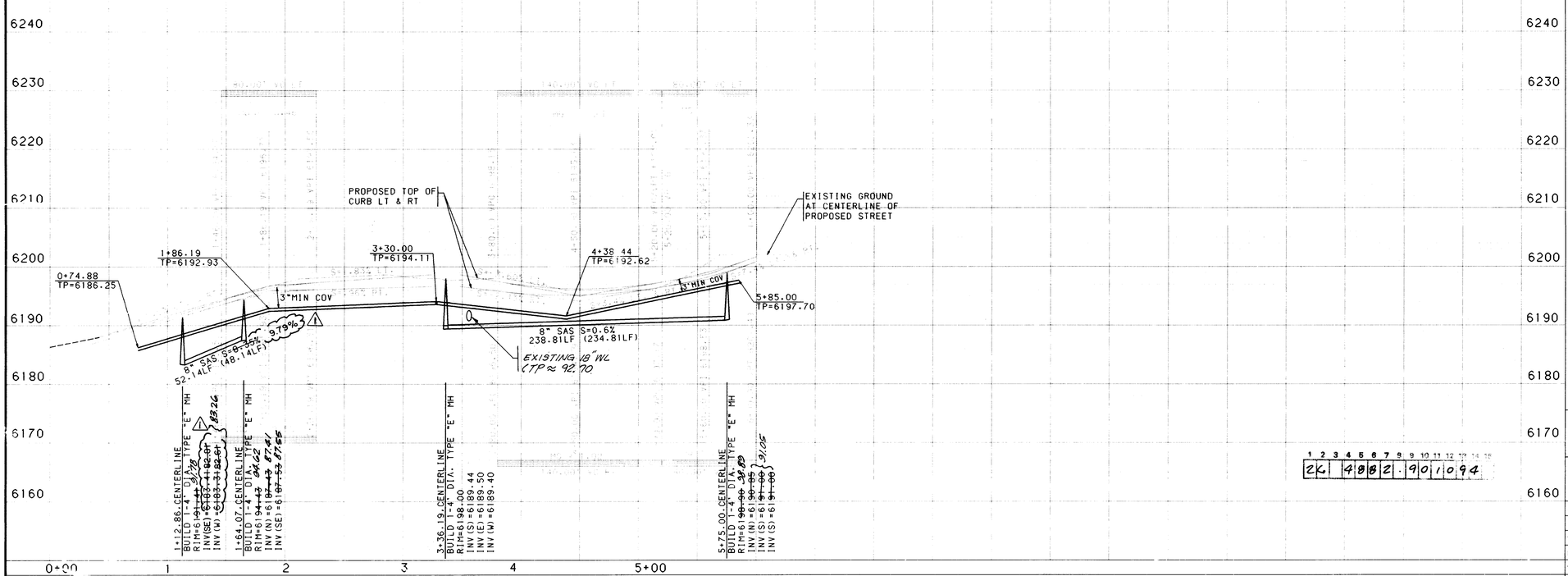
12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.




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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2K 4882.90 1094

AS-BUILT INFORMATION

| CONTRACTOR | | |
|---|---|---|
| WORK STAKED BY | BHI | 11/11/94 DATE |
| INSPECTOR'S ACCEPTANCE BY | BHI | 11/11/94 DATE |
| FIELD VERIFICATION BY | BHI | 11/11/94 DATE |
| DRAWINGS CORRECTED BY | BHI | 11/11/94 DATE |

MICRO-FILM INFORMATION

| RECORDED BY | DATE |
|---|---|
| NO. | |

BENCH MARKS

THE BENCH MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE LOCATED APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE.

X=425,465.55 Y=1,513,470.01
GROUND TO GRID FACTOR 0.99961970
ELEVATION=6009.155 FEET

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

ALBERT R. TAPMILLER, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 9334

3-27-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 7-19-94 | | SAS AND WL ADJUSTMENTS | KP |
| 6-20-94 | | ADDED WL/SAS SERVICE TABLE | KP |

REVISIONS

| | | DATE |
|---|---|---|
| DESIGNED BY | KP | 3/9/94 |
| DRAWN BY | KH.SV | 3/9/94 |
| CHECKED BY | KP | 3/9/94 |

DESIGN

"1/1/94

REVISED DRAWINGS
11/11/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

BOHANNAN-HUSTON INC.

# TRAILHEAD SUBDIVISION
## UTILITY PLAN & PROFILE
## CRESTA DEL SUR COURT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | 4-26-94 | WATER | R.W. Kane | 4-1-94 |
| TRANSPORTATION | NA RHO | 4-01-94 | WASTE WATER | R.W. Kane | 4-1-94 |
| HYDROLOGY | NA | 4-13-94 | | | |
| PARKS | NA | 4-22-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 10 | 25 |

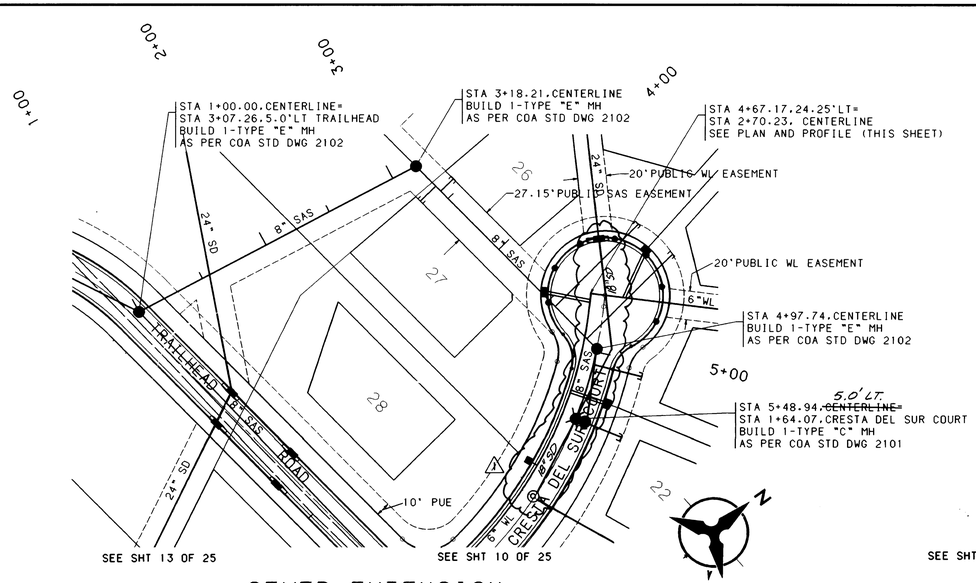
DATE:

BHI JOB NO. 93126.40

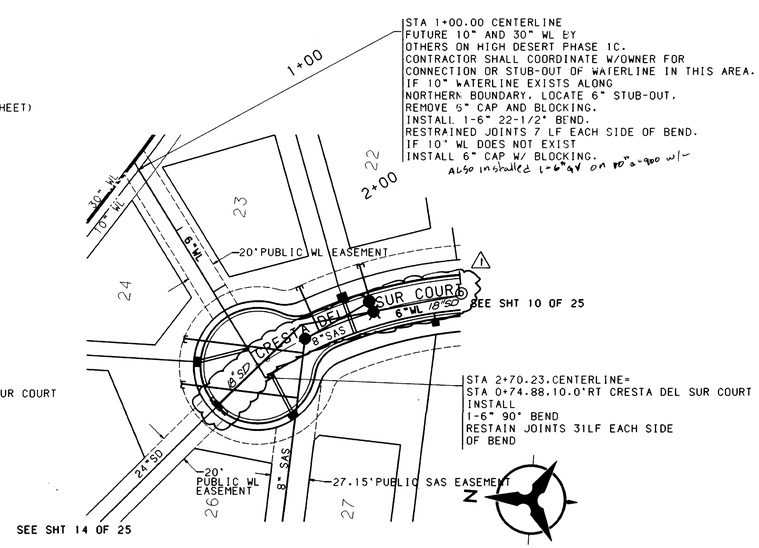
Copyright Bohannan-Huston, Inc. 1994

USERNAME: CDP:[C9312640]
FILENAME: UTLPNP2.GRF

SCANNED BY LASER




SEWER EXTENSION




WL EXTENSION

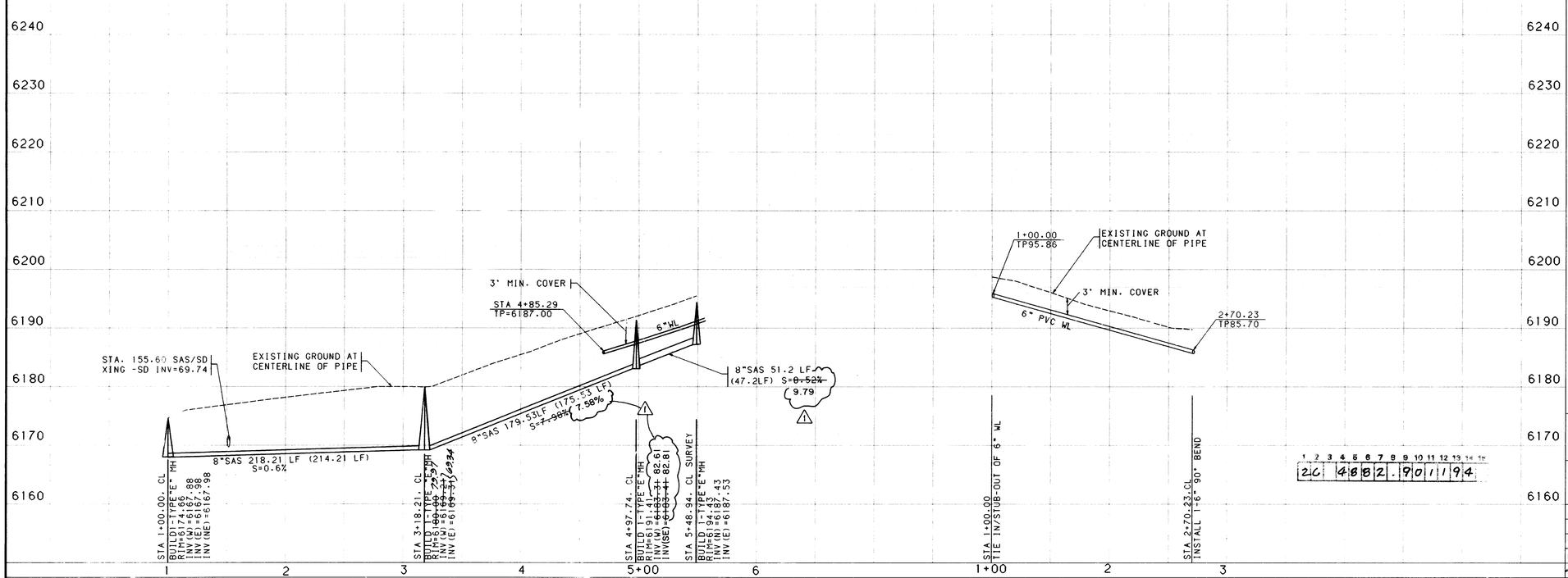
SCALE: 1" = 50'
(HORIZ.)

NOTE:
THE CONTRACTOR SHALL GRADE TO MATCH EXISTING GROUND ELEVATIONS FOR ANY WORK PERFORMED OUTSIDE THE STREET RIGHT-OF-WAY.

WATER AND SANITARY SEWER SERVICES

| LOT NUMBER | WATERLINE STATION & OFFSET | WL TYPE | SANITARY SEWER STATION & OFFSET | SAS LENGTH | RISER LENGTH | TOP OF PIPE AT PLUG |
|---|---|---|---|---|---|---|
| 24 | SEE CRESTA DEL SUR | -- | 4+87.74, CL | 83.9 | -- | 6184.92 |
| 25 | | -- | 4+56.11, CL | 82.0 | -- | 6182.26 |
| 26 | SEE CRESTA DEL SUR | -- | 3+42.74, CL | 12.5 | -- | 6173.57 |
| 27 | SEE CRESTA DEL SUR | -- | 3+37.74, CL | 15.0 | -- | 6173.30 |

# CRESTA DEL SUR COURT WL AND SAS EXTENSIONS




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.

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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.

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.

AS-BUILT INFORMATION

| | | |
|---|---|---|
| CONTRACTOR | J.R. Hale | 11/1/94 |
| STAKED BY | BHI | 6/10/94 |
| CONSTRUCTION ACCEPTANCE BY | BHI | 6/21/94 |
| FIELD VERIFICATION BY | BHI | 6/21/94 |
| DRAWINGS CORRECTED BY | BHI | 6/21/94 |

MICRO-FILM INFORMATION

| | |
|---|---|
| RECORDED BY | |
| DATE | |
| NO. | |

BENCH MARKS

THE BENCH MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE LOCATED APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE.
X=425,465.55 Y=1,513,470.01
GROUND TO GRID FACTOR 0.99961970
ELEVATION=6009.155 FEET

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

ENGINEER'S SEAL

NEW MEXICO JAMES E. TOPMILLER REGISTERED PROFESSIONAL ENGINEER 5985
3-29-94

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | ADDED SD/RELOCATE SAS MH | KP |
| 2 | 6-20-94 | ADDED WL/SAS SERVICE TABLE | KP |

DESIGN

| | | |
|---|---|---|
| DESIGNED BY | KP | DATE 3/9/94 |
| DRAWN BY | KW.SV | DATE 3/9/94 |
| CHECKED BY | KP | DATE 3/9/94 |

11/11/94
RECORD DRAWINGS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

BOHANNAN-HUSTON INC.

# TRAILHEAD SUBDIVISION
## UTILITY PLAN & PROFILE
## CRESTA DEL SUR EXTENSIONS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | 4-26-94 | WATER | R.W. Kane | 4-1-94 |
| TRANSPORTATION | N/A | 4-01-94 | WASTE WATER | R.W. Kane | 4-1-94 |
| HYDROLOGY | N/A | 4-15-94 | | | |
| PARKS | N/A | 4-22-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 11 | 25 |

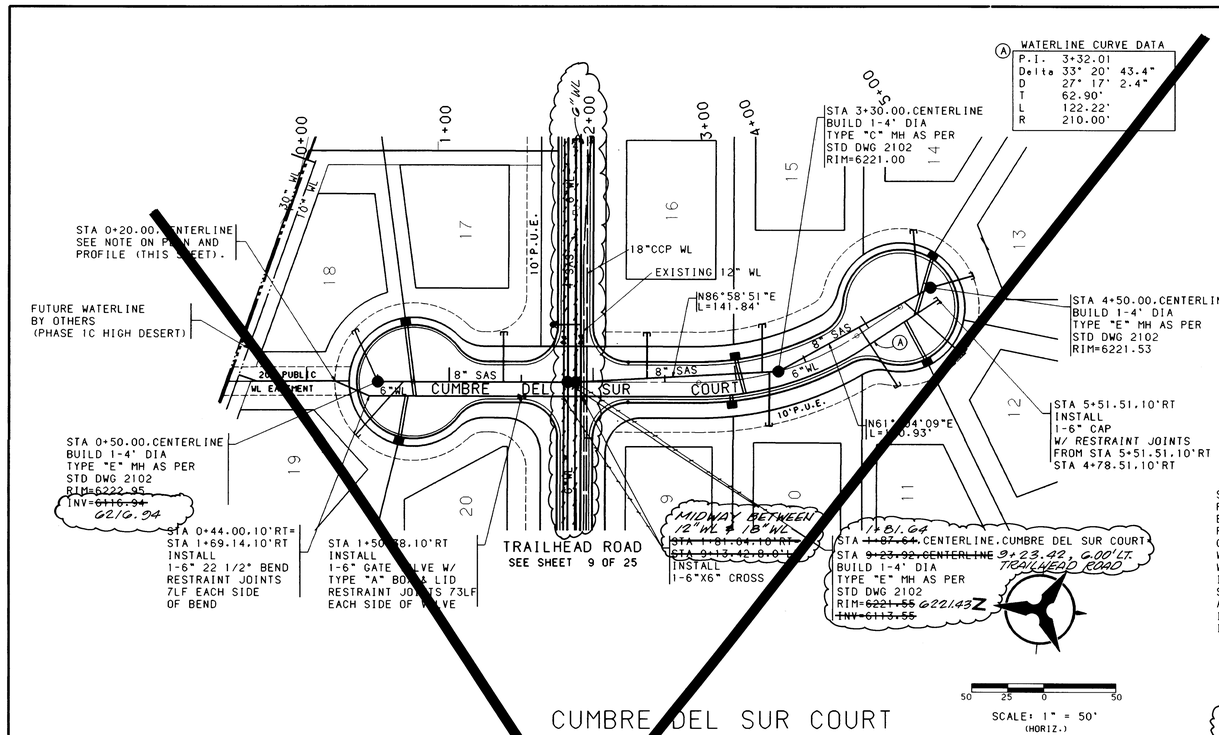
USERNAME: CDP:[C9312640]
FILENAME: UTLPNP4.GRF

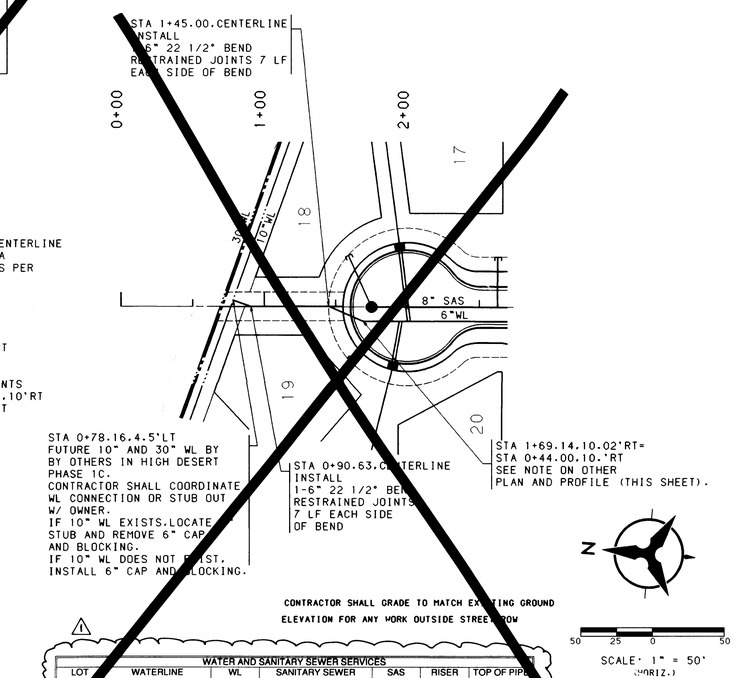
BHI JOB NO. 93126.40

Copyright Bohannan-Huston, Inc. 1994

DATE:

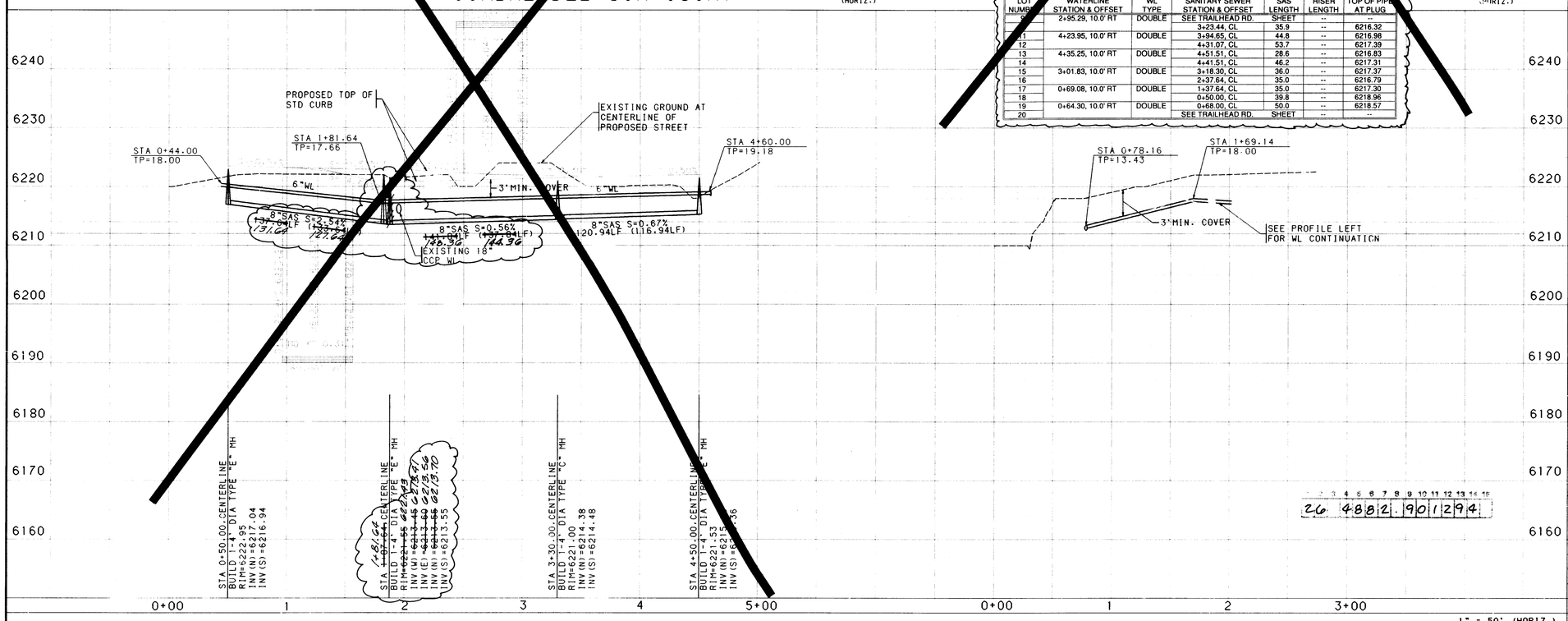
SCANNED BY
BY LASON




| WATERLINE CURVE DATA | |
|---|---|
| P.I. | 3+32.01 |
| Delta | 33° 20' 43.4" |
| D | 27° 17' 2.4" |
| T | 62.90' |
| L | 122.22' |
| R | 210.00' |

| WATER AND SANITARY SEWER SERVICES | | | | | | |
|---|---|---|---|---|---|---|
| LOT NUMBER | WATERLINE STATION & OFFSET | WL TYPE | SANITARY SEWER STATION & OFFSET | SAS LENGTH | RISER LENGTH | TOP OF PIPE AT PLUG |
| 9 | 2+95.29, 10.0' RT | DOUBLE | SEE TRAILHEAD RD. | SHEET | -- | -- |
| 10 | | | 3+23.44, CL | 35.9 | -- | 6216.32 |
| 11 | 4+23.95, 10.0' RT | DOUBLE | 3+94.65, CL | 44.8 | -- | 6216.98 |
| 12 | | | 4+31.07, CL | 53.7 | -- | 6217.39 |
| 13 | 4+35.25, 10.0' RT | DOUBLE | 4+51.51, CL | 28.6 | -- | 6216.83 |
| 14 | | | 4+41.51, CL | 46.2 | -- | 6217.31 |
| 15 | 3+01.83, 10.0' RT | DOUBLE | 3+18.30, CL | 36.0 | -- | 6217.37 |
| 16 | | | 2+37.64, CL | 35.0 | -- | 6216.79 |
| 17 | 0+69.08, 10.0' RT | DOUBLE | 1+37.64, CL | 35.0 | -- | 6217.30 |
| 18 | | | 0+50.00, CL | 39.8 | -- | 6218.96 |
| 19 | 0+64.30, 10.0' RT | DOUBLE | 0+68.00, CL | 50.0 | -- | 6218.57 |
| 20 | | | SEE TRAILHEAD RD. | SHEET | -- | -- |




## NOTES

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

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

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

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

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

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

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

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

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

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

AS-BUILT INFORMATION

CONTRACTOR LTR HIZle
WORK STAKED BY BHI 11/1/94
WORK INSPECTED BY BHI 11/1/94
ACCEPTANCE BY BHI 11/1/94
FIELD VERIFICATION BY BHI 11/1/94
DRAWINGS CORRECTED BY BHI 11/1/94

BENCH MARKS

THE BENCH MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE LOCATED APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE.
X=425,465.55 Y=1,513,470.01
GROUND TO GRID FACTOR 0.99961970
ELEVATION=6009.155 FEET

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

| NO. | DATE | BY |
|---|---|---|
| | | |

ENGINEER'S SEAL

JAMES B. TOPMILLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER
3-27-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | DELETED SHEET, SEE SHEET 12A | KP |
| 2 | 6-20-94 | ADDED WL/SAS SERVICE TABLE | |

REVISIONS

DESIGN

DESIGNED BY KP DATE 3/9/94
DRAWN BY KW.SV DATE 3/9/94
CHECKED BY KP DATE 3/9/94

William D. Fleck 11/1/94
REGISTERED PROFESSIONAL ENGINEER
DATE 11/1/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

# TRAILHEAD SUBDIVISION
## UTILITY PLAN & PROFILE
## CUMBRE DEL SUR COURT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | B.G. Goolsby | 4-26-94 | WATER | R.W. Kane | 4-1-94 |
| TRANSPORTATION | N/A RHD | 4-01-94 | WASTE WATER | R.W. Kane | 4-1-94 |
| HYDROLOGY | N/A RHD | 4/12/94 | | | |
| Parks | NA DS | 4-22-94 | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 12 OF 25

26 4882.90 1294

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

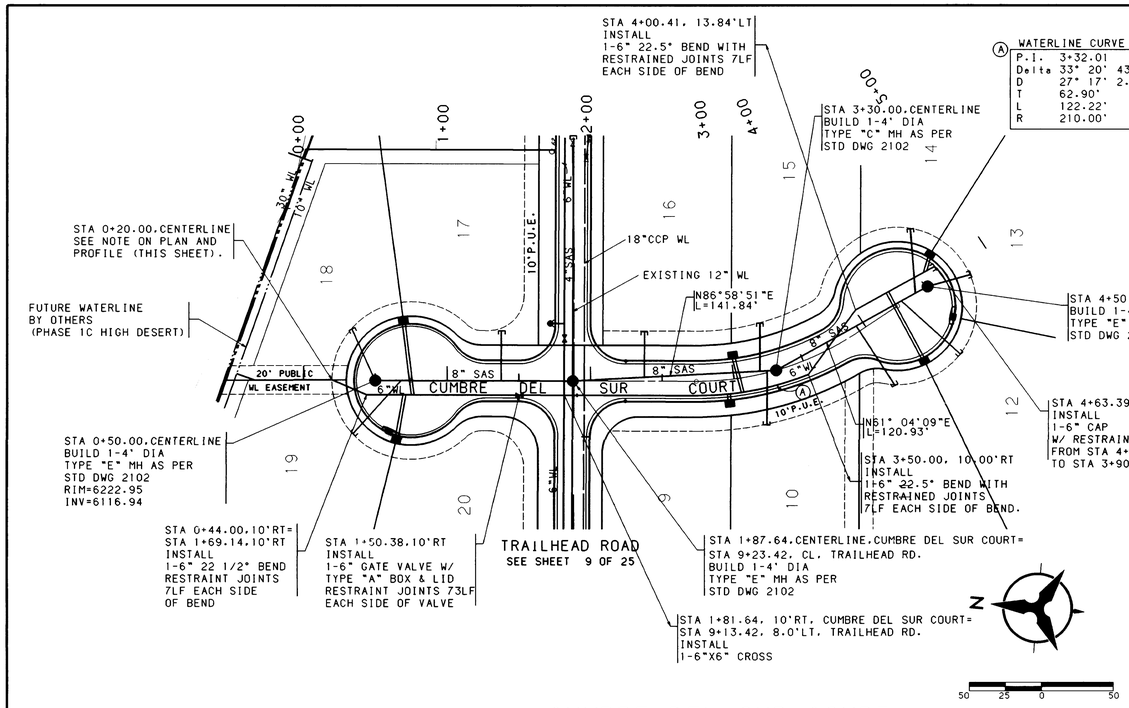
BHI JOB NO. 93126.40

Copyright Bohannan-Huston, Inc. 1994

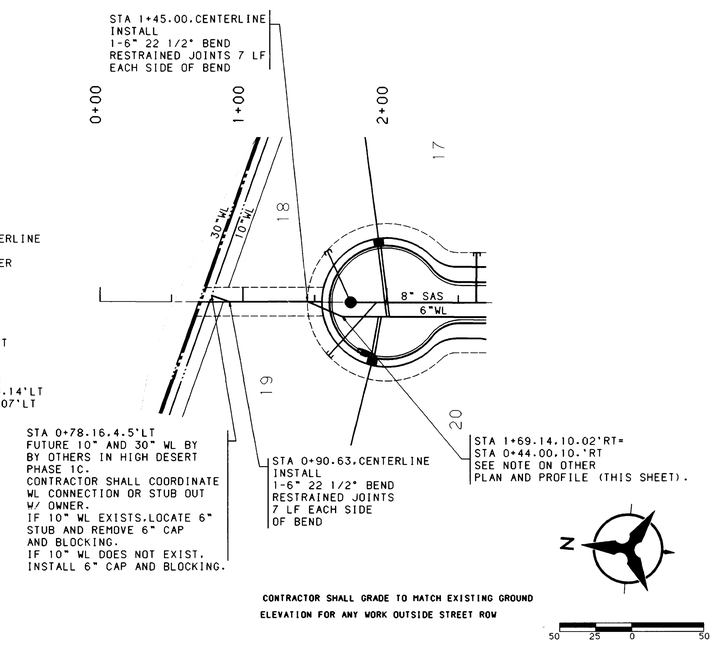
DATE:

USERNAME: CDP:[C93126403
FILENAME: UTLPNP3.GRF

SCANNED BY
BY LASON

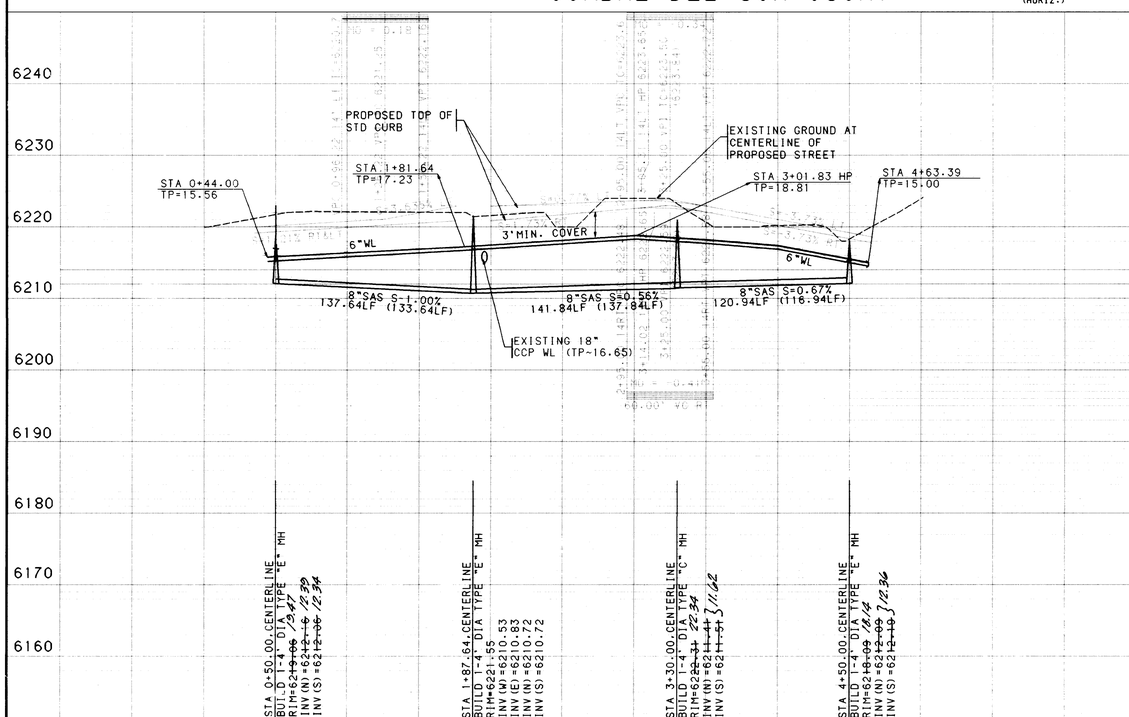



| WATERLINE CURVE DATA | |
|---|---|
| P.I. | 3+32.01 |
| Delta | 33° 20' 43.4" |
| D | 27° 17' 2.4" |
| T | 62.90' |
| L | 122.22' |
| R | 210.00' |




CONTRACTOR SHALL GRADE TO MATCH EXISTING GROUND
ELEVATION FOR ANY WORK OUTSIDE STREET ROW

## CUMBRE DEL SUR COURT




| WATER AND SANITARY SEWER SERVICES | | | | | | |
|---|---|---|---|---|---|---|
| LOT NUMBER | WATERLINE STATION & OFFSET | WL TYPE | SANITARY SEWER STATION & OFFSET | SAS LENGTH | RISER LENGTH | TOP OF PIPE AT PLUG |
| 9 | 2+95.29, 10.0'RT | DOUBLE | SEE TRAILHEAD RD. | SHEET | -- | -- |
| 10 | | | 3+23.77, 1.33'LT | 37.3 | -- | 6214.59 |
| 11 | 4+25.82, 11.94'RT | DOUBLE | 3+94.65, 4.24'RT | 49.1 | -- | 6215.20 |
| 12 | | | 4+30.66, 1.55'RT | 55.3 | -- | 6214.34 |
| 13 | 4+55.71, 9.61'LT | DOUBLE | 4+51.51, CL | 30.6 | -- | 6213.72 |
| 14 | | | 4+41.90, 0.72'LT | 45.4 | -- | 6214.93 |
| 15 | 3+04.53, 10.0' RT | DOUBLE | 3+18.81, 2.23'LT | 33.8 | -- | 6214.56 |
| 16 | | | 2+37.64, 2.77'LT | 32.2 | 3 | 6214.10 |
| 17 | 0+69.08, 10.0'RT | DOUBLE | 1+37.64, CL | 35.0 | -- | 6214.28 |
| 18 | | | 0+50.00, CL | 39.8 | -- | 6214.48 |
| 19 | 0+64.30, 10.0'RT | DOUBLE | 0+68.00, CL | 50.0 | -- | 6215.06 |
| 20 | | | SEE TRAILHEAD RD. | SHEET | -- | -- |

NOTES

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

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

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

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

AS-BUILT INFORMATION

| | | |
|---|---|---|
| CONTRACTOR | LTR Hale | |
| WORK STAKED BY | BHI | 11/1/94 DATE |
| INSPECTOR'S ACCEPTANCE BY | BHI | 11/11/94 DATE |
| FIELD VERIFICATION BY | BHI | 11/11/94 DATE |
| DRAWINGS CORRECTED BY | BHI | 11/11/94 DATE |

BENCH MARKS

THE BENCH MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE LOCATED APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE.
X=425,465.55 Y=1,513,470.01
GROUND TO GRID FACTOR 0.99961970
ELEVATION=6009.155 FEET

MICRO-FILM INFORMATION

| | |
|---|---|
| RECORDED BY | |
| DATE | |
| NO. | |

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

JAMES R. TOPMILLER
NEW MEXICO
9554
REGISTERED PROFESSIONAL ENGINEER
7-20-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | REPLACES SHEET 12; RESTRICTED 3.25'NW | KP |

REVISIONS

| | | |
|---|---|---|
| DESIGN | | |
| DESIGNED BY | KP | DATE 3/9/94 |
| DRAWN BY | KW.SV | DATE 3/9/94 |
| CHECKED BY | KP | DATE 3/9/94 |

11/4/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

# TRAILHEAD SUBDIVISION
## UTILITY PLAN & PROFILE
## CUMBRE DEL SUR COURT

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | 8-23-94 | WATER | | |
| TRANSPORTATION | | 8/24/94 | WASTE WATER | | |
| HYDROLOGY | | 8-3-94 | | | |

26 4882.90 1294 A

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 12A | 25 |

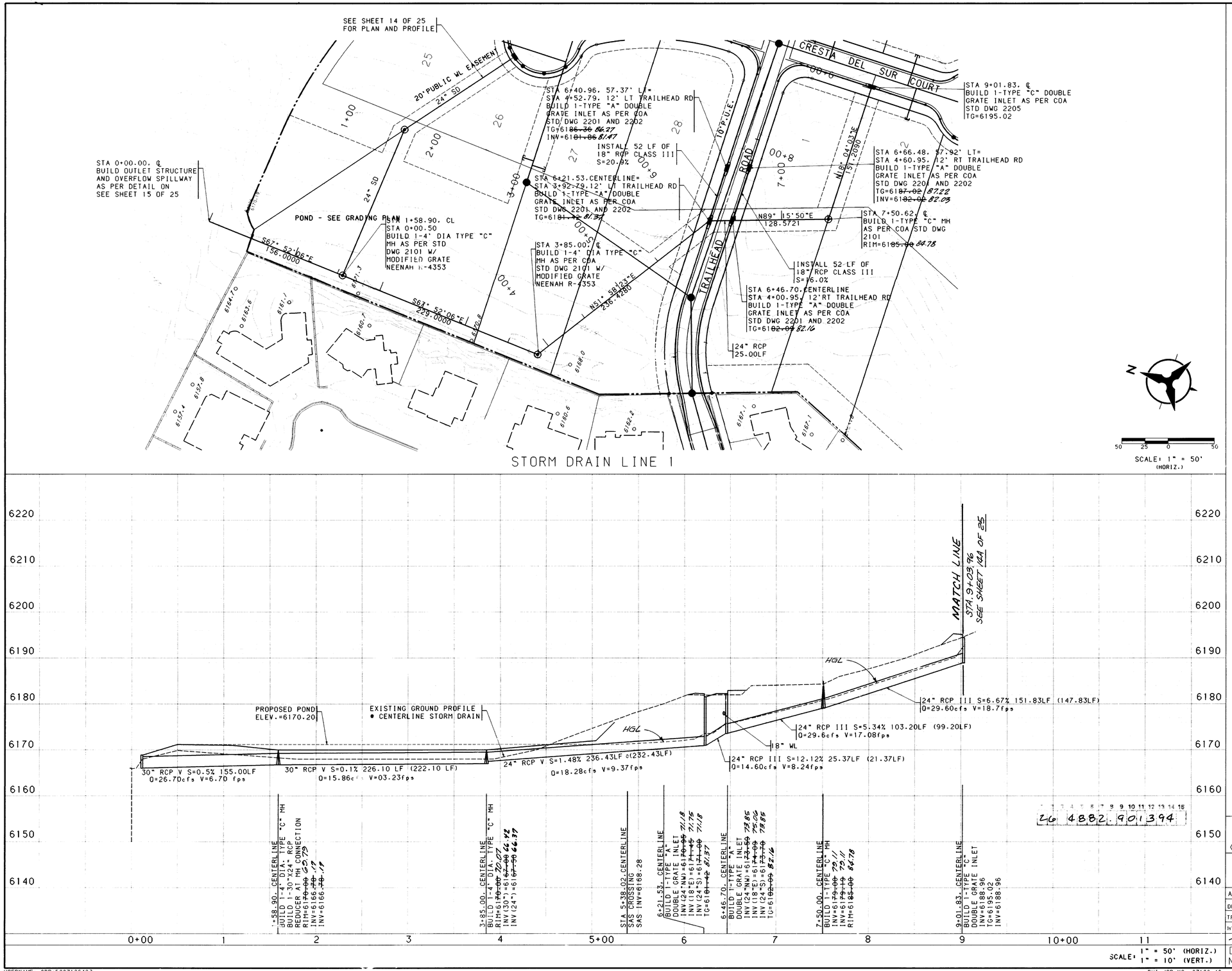
USERNAME: CDP(C93126403)
FILENAME: UTLPNP3.GRF

BHI JOB NO. 93126.40

Copyright Bohannan-Huston, Inc. 1994

DATE:

SCANNED BY
BY LASON




## 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.

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

AS-BUILT INFORMATION

| | | |
|---|---|---|
| CONTRACTOR | J.R. Hale | 11/1/94 |
| CONSTRUCTION STAKED BY | BHI | 04/20/94 |
| ACCEPTANCE BY | BHI | 04/20/94 |
| FIELD LOCATION BY | BHI | 11/1/94 |
| DRAWINGS CORRECTED BY | BHI | 11/1/94 |

BENCH MARKS

| NO. | BY | DATE | REMARKS |
|---|---|---|---|
| | | | THE BENCH MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE LOCATED APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE. X=425,465.58 Y=1,513,476.01 GROUND TO GRID FACTOR 0.99961970 ELEVATION=6009.55 FEET |

MICRO-FILM INFORMATION

| | |
|---|---|
| RECORDED BY | |
| DATE | |
| NO. | |

FIELD NOTES

| NO. | BY | DATE | REMARKS |
|---|---|---|---|
| | | | |

REVISIONS

| | | |
|---|---|---|
| DESIGN | | |
| DESIGNED BY | KP | DATE 3/9/94 |
| DRAWN BY | KM.SV | DATE 3/9/94 |
| CHECKED BY | KP | DATE 3/9/94 |

ENGINEER'S SEAL

JAMES B. TOPMILLER
NEW MEXICO
9354
REGISTERED PROFESSIONAL ENGINEER
3-27-94

11/1/94
RECORD DRAWINGS
11/1/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

# TRAILHEAD SUBDIVISION
## STORM DRAIN PLAN & PROFILE
## STORM DRAIN LINE 1

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | B.G. Goolsby | 4-26-94 | WATER | N/A RWK | 4-1-94 |
| TRANSPORTATION | N/A GHD | 4/21/94 | WASTE WATER | N/A RWK | 4-1-94 |
| HYDROLOGY | N/A | 4/1/94 | | | |
| Parks | N/A TS | 4-22-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 13 | 25 |

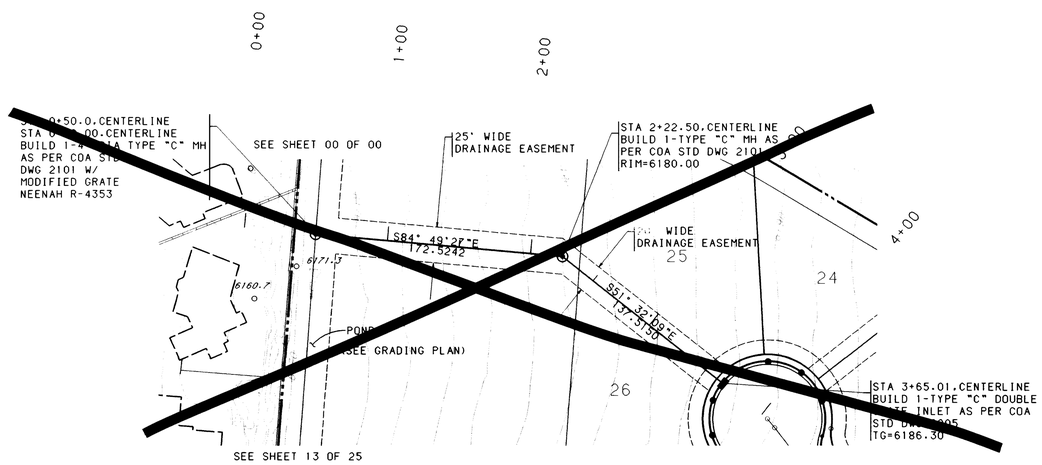
USERNAME: CDP:EC93126403
FILENAME: SDPNP1.GRF

BHI JOB NO. 93126.40

Copyright Bohannan-Huston, Inc. 1994

DATE:

SCANNED BY
BY LASON

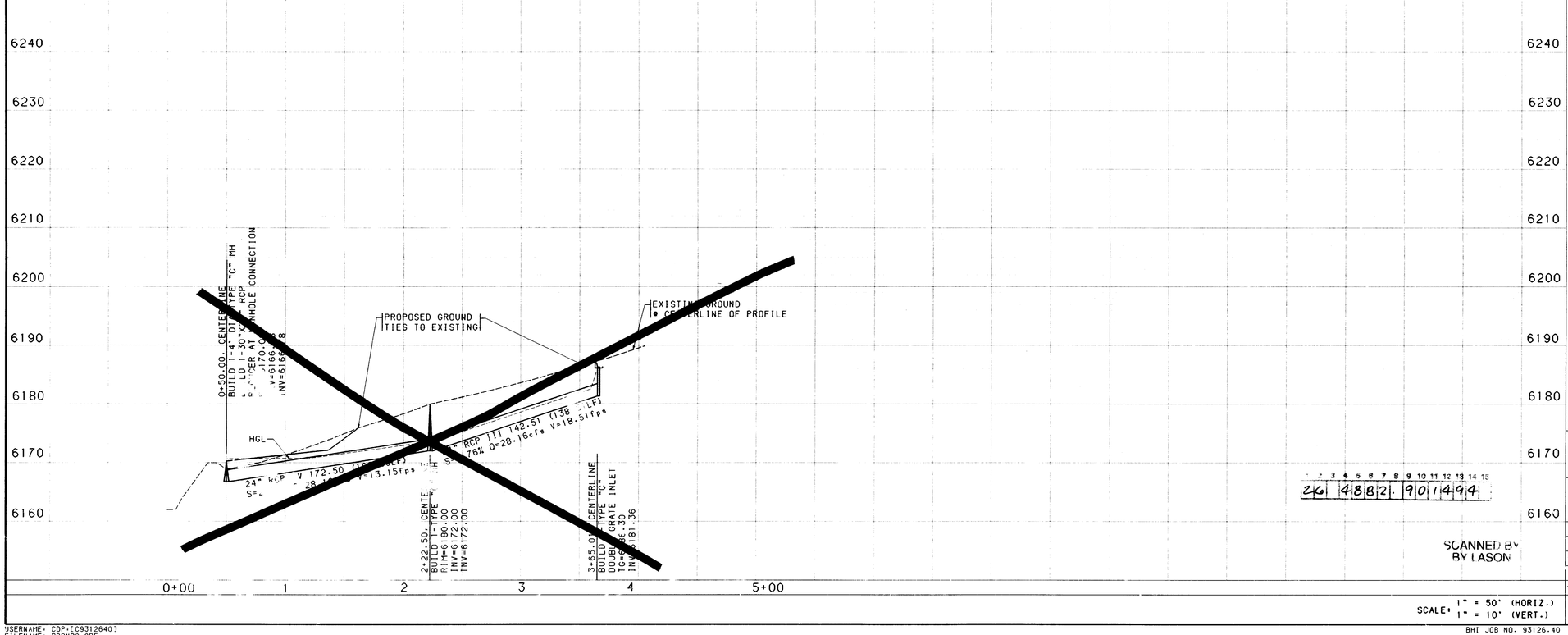



STORM DRAIN LINE 2

CONTRACTOR SHALL GRADE TO MATCH EXISTING GROUND ELEVATION FOR ANY WORK PREFORMED OUTSIDE THE STREET ROW

N

SCALE: 1" = 50' (HORIZ.)




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

SCANNED BY
BY LASON

2K1 4882.90 1494

## 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.

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

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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.

AS-BUILT INFORMATION

CONTRACTOR J.R. Hale
STAKED BY BHI 11/1/94
ACCEPTANCE BY BHI 11/11/94
FIELD VERIFICATION BY BHI 11/11/94
DRAWINGS CORRECTED BY BHI 11/11/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

THE BENCH MARK IS A STANDARD USC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE LOCATED APPROXIMATELY 489 FEET WEST AND 35 FEET NORTH OF INTERSECTION OF TENNYSON STREET AND SAN ANTONIO DRIVE.
X=425,465.55 Y=1,513,470.01
GROUND TO GRID FACTOR 0.99961970
ELEVATION=6009.155 FEET

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

JAMES E. TOMMILLER NEW MEXICO 8234 REGISTERED PROFESSIONAL ENGINEER
3-27-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 7-19-94 | DELETED SHEET, SEE SHEET 14A | KP |

REVISIONS

| DESIGN | | DATE |
|---|---|---|
| DESIGNED BY | KP | DATE 3/9/94 |
| DRAWN BY | KH.SV | DATE 3/9/94 |
| CHECKED BY | KP | DATE 3/9/94 |

11/1/94

11/11/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

BOHANNAN-HUSTON INC.

# TRAILHEAD SUBDIVISION
## STORM DRAIN PLAN & PROFILE
## STORM DRAIN LINE 2

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | 4-26-94 | WATER | NA RWK | 4-1-94 |
| TRANSPORTATION | NA RWD | 4-26-94 | WASTE WATER | NA RWK | 4-1-94 |
| HYDROLOGY | NA | 4/13/94 | | | |
| PWKS | NA DS | 4-22-94 | | | |

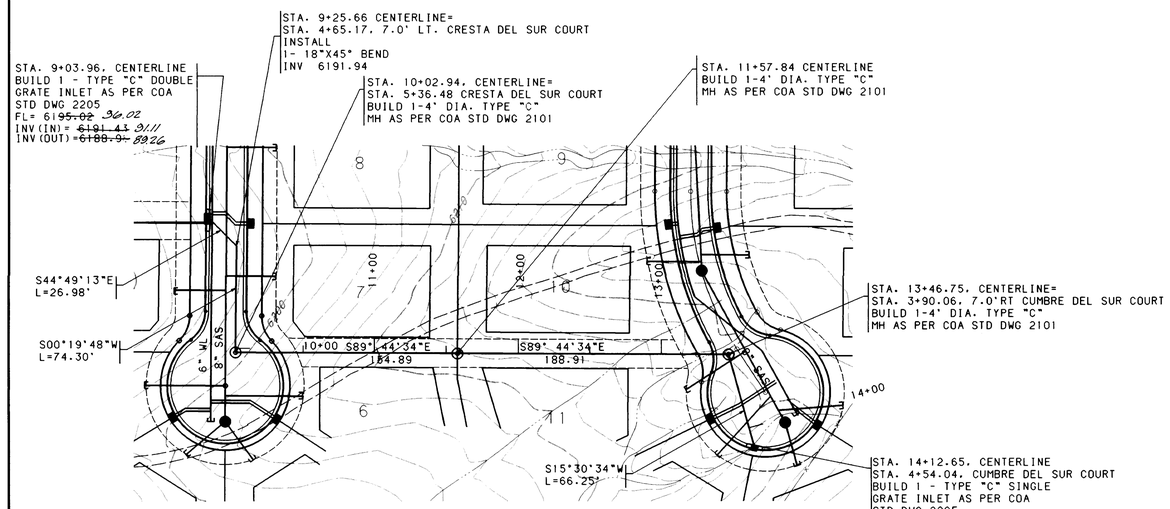
| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 14 | 25 |

USERNAME: CDP:[C9312640]
FILENAME: SDPNP2.GRF

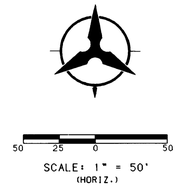
BHI JOB NO. 93126.40

Copyright Bohannan-Huston, Inc. 1994

DATE:




STORM DRAIN LINE 2




## NOTES

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

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

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

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

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

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

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

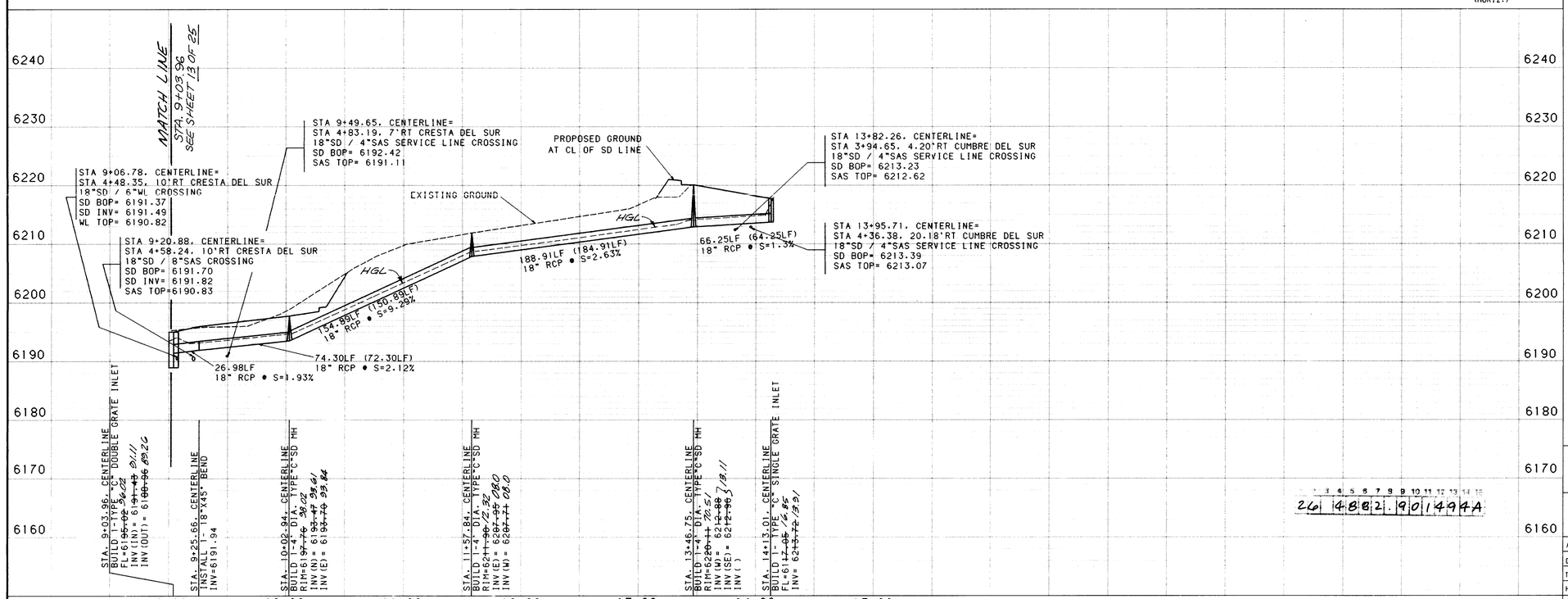
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

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

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

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

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




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

261 4882.90 1494A

AS-BUILT INFORMATION
CONTRACTOR LTR Hale
WORK STAKED BY BHI DATE 11/11/94
INSPECTOR'S ACCEPTANCE BY BHI DATE 11/11/94
FIELD VERIFICATION BY BHI DATE 6/16/94
DRAWINGS CORRECTED BY BHI DATE 6/16/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL
JAMES B. TOPMILLER NEW MEXICO 9334 REGISTERED PROFESSIONAL ENGINEER

| NO. | DATE | REMARKS |
|---|---|---|
| 1 | 7/19/94 | REPLACES SHEET 14; ADDITIONAL STORM DRAIN |

REVISIONS

| | | BY | DATE |
|---|---|---|---|
| DESIGNED BY | KP | KP | DATE 3/9/94 |
| DRAWN BY | KW.SV | | DATE 3/9/94 |
| CHECKED BY | KP | | DATE 3/9/94 |

DESIGN

11/4/94
DRAWINGS
11/4/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

# TRAILHEAD SUBDIVISION
## STORM DRAIN PLAN & PROFILE
## STORM DRAIN LINE 2

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | B.G. Goodwin | 8-23-94 | WATER | | |
| TRANSPORTATION | NRDWH | 8/24/94 | WASTE WATER | | |
| HYDROLOGY | Jason Calmgren | 8-3-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 14A | 25 |

USERNAME: CDP:[C9312640]
FILENAME: SDPNP6.GRF

BHI JOB NO. 93126.40

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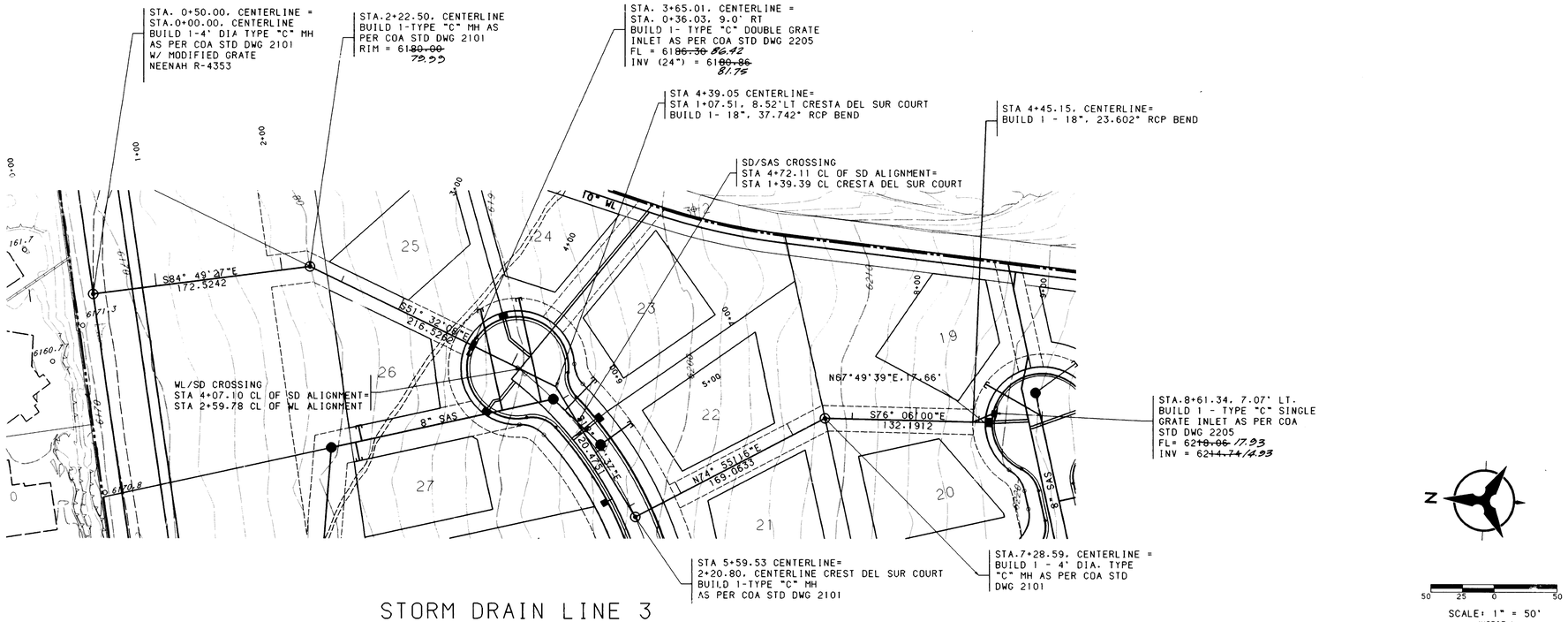
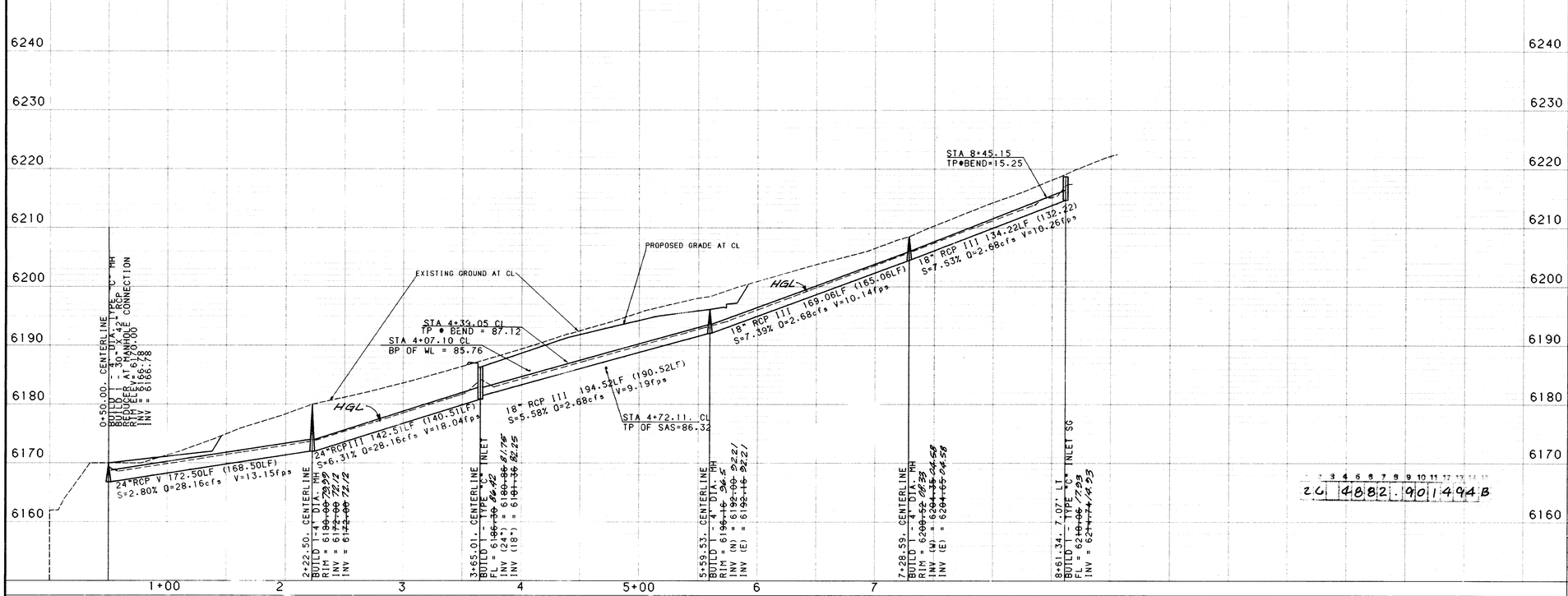
DATE:

SCANNED BY
BY LASON




STORM DRAIN LINE 3




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

26 4882.90 1494B

## NOTES

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

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

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

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

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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 CONTRACTOR'S 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.

AS-BUILT INFORMATION

| | | |
|---|---|---|
| CONTRACTOR | LT R Hale | 11/1/94 |
| WORK STAKED BY | BHI | 11/1/94 |
| INSPECTOR'S ACCEPTANCE BY | BHI | 11/14/94 |
| FIELD VERIFICATION BY | BHI | 11/14/94 |
| DRAWINGS CORRECTED BY | BHI | 11/14/94 |
| DATE | | |

BENCH MARKS

STATION IS A STANDARD USC&GS BRASS 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 DRIVE.

ELEV.=6009.155'

MICRO-FILM INFORMATION

| RECORDED BY | DATE |
|---|---|
| NO. | |

ENGINEER'S SEAL

JAMES R. TOMILLER NEW MEXICO 8354 REGISTERED PROFESSIONAL ENGINEER

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

| NO. | DATE | REMARKS |
|---|---|---|
| 1 | 11/11/94 | ADDITIONAL STORM DRAIN |

REVISIONS

| DESIGN | | |
|---|---|---|
| DESIGNED BY | KP | DATE 3/9/94 |
| DRAWN BY | KW.SV | DATE 3/9/94 |
| CHECKED BY | KP | DATE 3/9/94 |

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

# TRAILHEAD SUBDIVISION
## STORM DRAIN PLAN & PROFILE
## STORM DRAIN LINE 3

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | 8-24-94 | WASTE WATER | | |
| HYDROLOGY | | 8-29-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 14B | 25 |

BHI JOB NO. 93126.40

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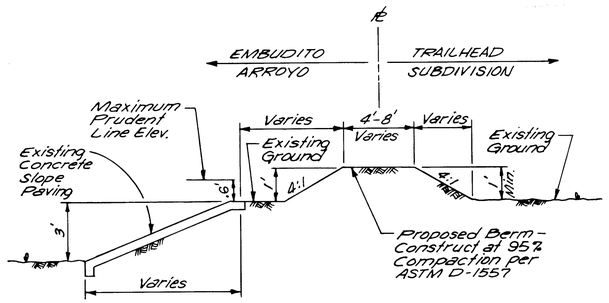
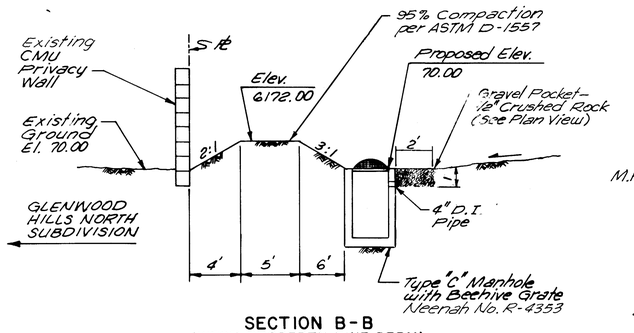
DATE:

USERNAME: CDP:[C9312640]
FILENAME: PVPNP3.GRF

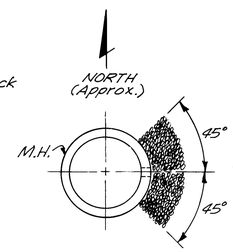
SCANNED BY
BY LASON



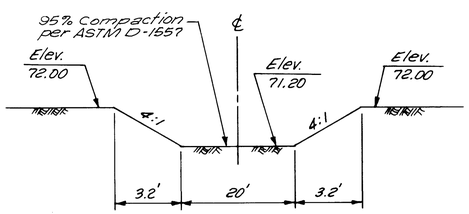

**SECTION A-A**
**(NORTH PROPERTY LINE BERM)**
NTS



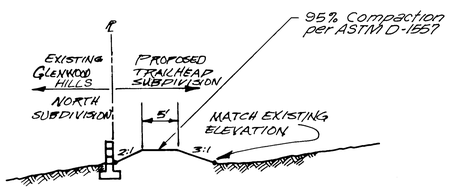

**SECTION B-B**
**(WEST PROPERTY LINE BERM)**
NTS




**PLAN VIEW**
**(Gravel Pocket)**



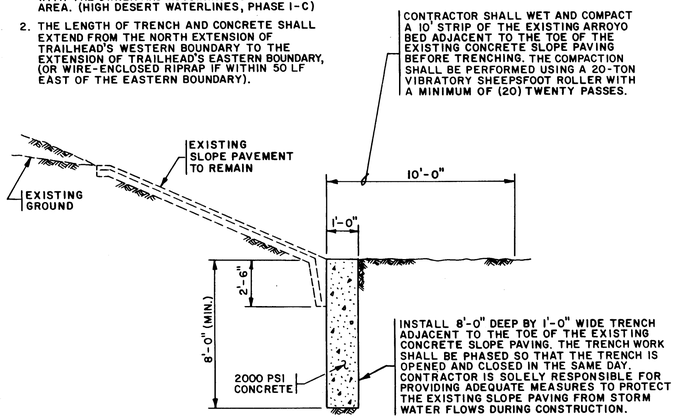

**SECTION C-C**
**(EMERGENCY SPILLWAY)**
NTS




**SECTION D-D**
NTS

**NOTES:**

1. CONTRACTOR SHALL COORDINATE THIS WORK WITH THE OWNER AND ADJOINING WORK IN THIS AREA. (HIGH DESERT WATERLINES, PHASE I-C)
2. THE LENGTH OF TRENCH AND CONCRETE SHALL EXTEND FROM THE NORTH EXTENSION OF TRAILHEAD'S WESTERN BOUNDARY TO THE EXTENSION OF TRAILHEAD'S EASTERN BOUNDARY, (OR WIRE-ENCLOSED RIPRAP IF WITHIN 50 LF EAST OF THE EASTERN BOUNDARY).




**EROSION CONTROL PROTECTION OF SLOPE PAVEMENT**
NTS

26 4882.90 1594

BHI JOB NO. 93126.40

USERNAME: CDP(CDP)
FILENAME: CITYDTL-1.PLT

SCANNED BY
BY LASON

AS-BUILT INFORMATION

| | | | |
|---|---|---|---|
| CONTRACTOR | J.R. Hale | | |
| WORK STAKED BY | BHI | | 11/11/94 |
| INSPECTOR'S ACCEPTANCE BY | BHI | DATE | 11/11/94 |
| FIELD LOCATION BY | BHI | DATE | 11/11/94 |
| DRAWINGS CORRECTED BY | BHI | DATE | 11/11/94 |

MICRO-FILM INFORMATION

| | |
|---|---|
| RECORDED BY | |
| DATE | |
| NO. | |

BENCH MARKS

STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155'.

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

SURVEY INFORMATION

ENGINEER'S SEAL

JAMES R. TOMBLLER NEW MEXICO 9354 REGISTERED PROFESSIONAL ENGINEER
3-27-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY KP DATE 3/9/94
DRAWN BY MM DATE 3/9/94
CHECKED BY KP, JRT DATE 3/9/94

William P. Vrooke
11/11/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

# TRAILHEAD SUBDIVISION
## SUBDIVISION DETAILS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | B.G. Lakeby | 4-26-94 | WATER | N/A RWK | 4-1-94 |
| TRANSPORTATION | N/A RHO | 4-01-94 | WASTE WATER | N/A RWK | 4-1-94 |
| HYDROLOGY | | 4-13-94 | | | |
| PARKS | N/A DS | 4-22-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 15 | 25 |

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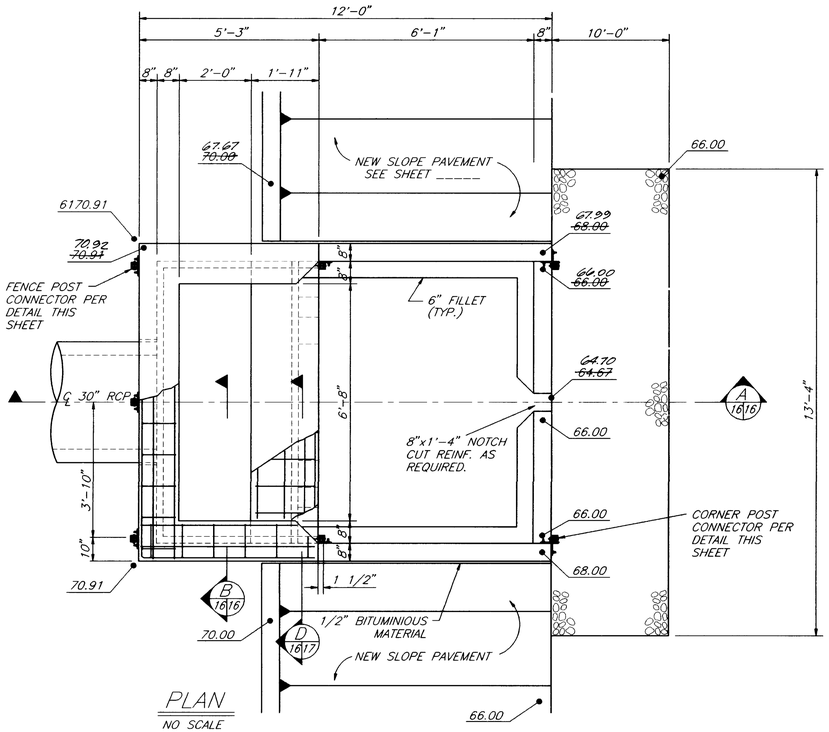
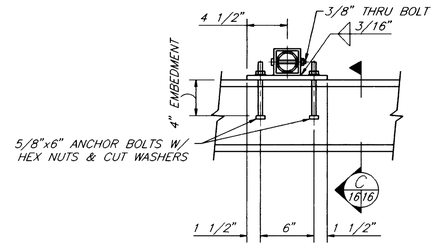


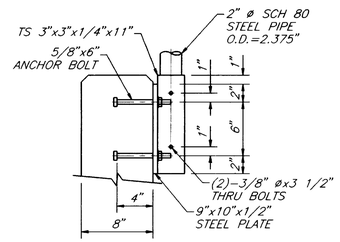

## PLAN

NO SCALE



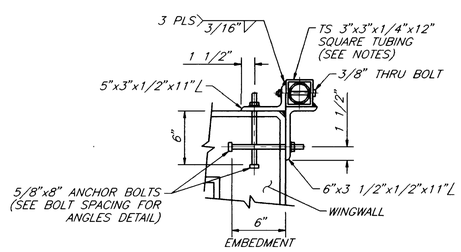

## FENCE POST CONNECTOR DETAIL

NO SCALE



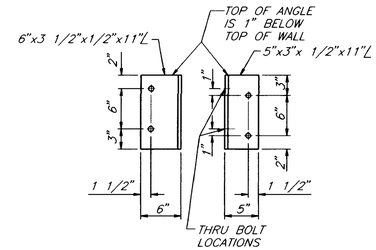

## C 16|16 SECTION

NO SCALE



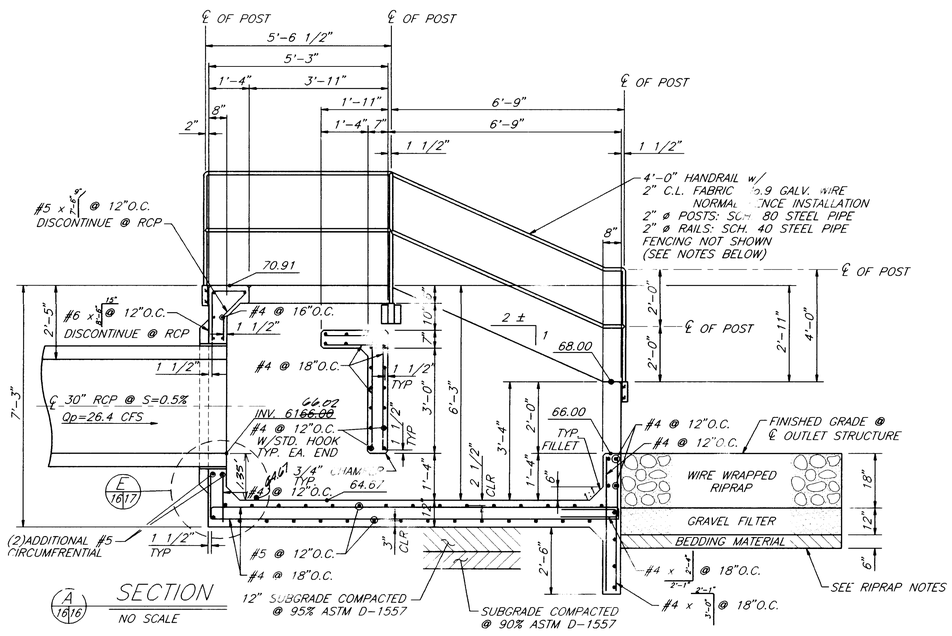

## CORNER POST CONNECTOR DETAIL

NO SCALE



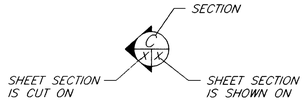

## BOLT SPACING FOR ANGLES OF CORNER POST CONNECTOR

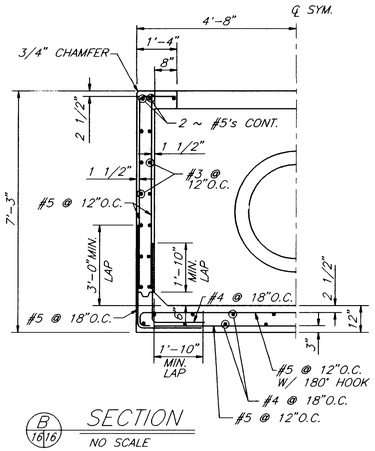
NO SCALE




## A 16|16 SECTION

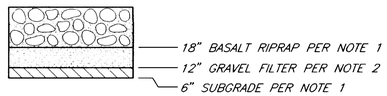
NO SCALE




## B 16|16 SECTION

NO SCALE




## RIPRAP SECTION

NO SCALE

## RIPRAP NOTES

(1) Wire wrapped riprap shall be installed in accordance with section 603 of the standard specifications. Riprap shall be type L per section 109. On site rock will have to be sorted to meet gradation.

(2) Riprap shall be placed on gravel filter material. Gravel filter material shall be supplied and installed per section 603.10 of the standard specifications, and the gradation shall be as follows:

| SIEVE SIZE | % PASSING |
|---|---|
| 3" | 90–100 |
| 3/4" | 20–90 |
| #4 | 0–20 |
| #200 | 0–3 |

(3) Riprap subgrade scarified and compacted to a depth of 6" at minimum 90% ASTM D-1557 Density.

William E. Werbe
11/11/94

## HANDRAIL NOTES

1. All posts, rails, plates, angles, bolts, etc... Shall be of structural steel and galvanized per C.O.A. standards.
2. install chain link fabric on outside of pipe rail.
3. Tension wire shall be 7 ga. spring steel w/11 ga. wire ties @ 2' o.c.
4. Tension bars and three (3) clamps at each corner post.
5. Tack weld chain link fabric @ 3 points along each frame member.
6. Paint all field welds with galvanizing coating.

## GENERAL STRUCTURAL NOTES

1. CODES AND MANUALS:
   Uniform Building Code, 1991 Edition
   ACI 318, Latest Edition, Building Code Requirements for Reinforced Concrete.
2. DESIGN LOADS:
   A. Live Loads:
      Soil Weight = 120 pcf
      Equiv lateral =35 pcf
   B. Maximum Allowable soil bearing pressure: 2000psf
3. GENERAL:
   A. The Contractor shall verify all dimensions in the field.
   B. Shop drawings shall be furnished for review before any fabrication and erection is started. Poorly executed shop drawings shall be rejected and re submitted.
   C. The Contractor shall be responsible for providing safe and adequate shoring for all parts of the wall and adjacent structures during construction, as well as worker safety and compliance with OSHA or other agency safety guidelines.
   D. The Contractor shall field all existing utility locations and notify the Engineer immediately of any descrepancies.
   E. The Contractor is responsible for repair and/or replacement of all utility conduits and existing lines.
   F. Any additional grading required to match proposed street grades shall be incidental to paving items.
   G. The contractor shall pork equipment and vehicles as not to interfere with normal activities of residents or other Contractors on site.
   H. Any damage to existing facilities (curb and gutter, pavement, conduits, landscaping, utilities, ect.) during construction shall be replaced at the Contractors expense.
   I. Chamfer all exposed corners 3/4" TYP.
4. MATERIALS:
   A. Cast-in-Place Concrete:
      (1) All concrete shall conform to the City of Albuquerque specifications for Structural Concrete, Section 101 and Table 101.C Concrete for Hydraulic Structures.
   B. Reinforcing Steel:
      (1) All reinforcing steel shall conform to ASTM A615 Grade 60; except stirrups, ties, may conform to ASTM A615 Grade 40.
      (2) Reinforcing shall be stored in such a manner as to inhibit rusting or the deposit of oils or other bond inhibiting deposits.
      (3) Reinforcing steel shall be fabricated and placed in accordance with the Building Code Requirements for Reinforced Concrete (ACI 318) and the CRSI Standard Manual.
      (4) Bar supports and spacers for rebar shall be provided in accordance with ACI and CRSI.
      (5) All lap splices shall be class B.
      (6) Concrete cover for reinforcing shall be as follows:
         a. Concrete poured against earth — 3 inches
         b. Concrete poured in forms but exposed to weather or earth:
            1. If bars are larger than No. 5 — 2 inches
            2. If bars are No. 5 or smaller — 1-1/2 inches
      (7) The Contractor shall be responsible to see that all rebar is properly aligned and tied in place before placing concrete. All wall dowels and vertical steel shall be accurately located and secured in place so that it remains in the position shown during the concrete placing operation. Any rebar found to be inproperly installed shall be removed at no additional cost to the Owner.
      (8) Form ties shall be either of the threaded or snap-off type or other approved equal so that no metal will be left within 1 inch of the surface of the wall. Following removal of form ties, recesses are to be carefully filled and pointed with mortar.

**NOTIFY COA 2 DAYS PRIOR TO WORK IN EASEMENTS. COA MUST INSPECT STEEL & FORMWORK PRIOR TO CASTING CONCRETE**

26 4882.90 1694

AS-BUILT INFORMATION
CONTRACTOR J.R. Hale — DATE
WORK STAKED BY BHI — DATE
WORK INSPECTED FOR ACCEPTANCE BY BHI — DATE 11/11/94
FIELD VERIFICATION BY BHI — DATE 11/11/94
DRAWINGS CORRECTED BY BHI — DATE 11/11/94

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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 DRIVE
ELEV.=6009.155'

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

| NO. | DATE | REMARKS REVISIONS DESIGN | BY |
|---|---|---|---|
| | | | |

DESIGNED BY JCA — DATE 3/94
DRAWN BY LER — DATE 3/94
CHECKED BY GEL — DATE 3/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TRAILHEAD SUBDIVISION
STRUCTURAL DETAILS
ENERGY DISSIPATOR PLAN & SECTIONS

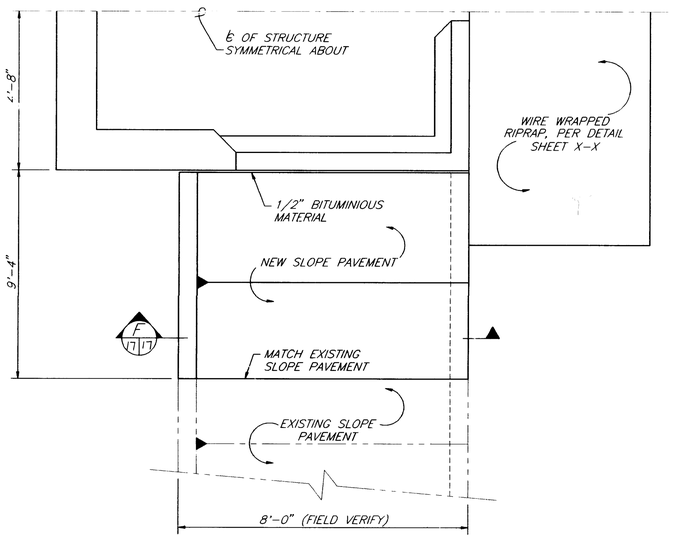
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| D.R.C. CHAIR | B.G. Goodby | 4-26-94 | WATER | N/A RWK | 4-1-94 |
| TRANS. DEV. | N/A HP | 4-01-94 | WASTE WATER | N/A RWK | 4-1-94 |
| HYDROLOGY | | 4/13/94 | NMUI | | |
| PARKS | N/A DS | 4-20-94 | | | |

PROJECT NO. 4882.90 — MAP NO. F-23 — SHEET 16 OF 25

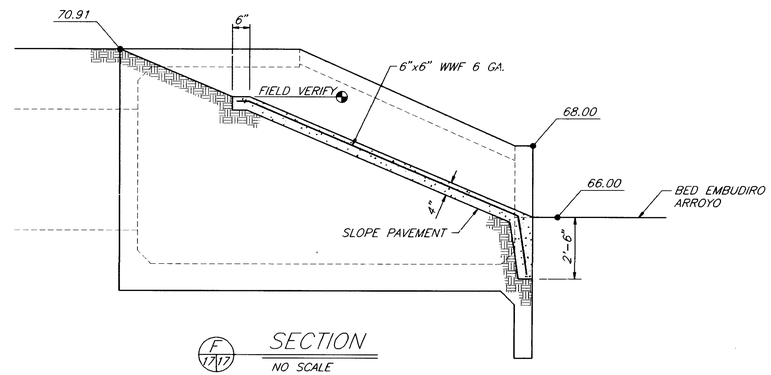
11/11/94

SCANNED BY BY LASON

[C9312640:STRUCTURC HDDISIP1.DWG 3/24/94

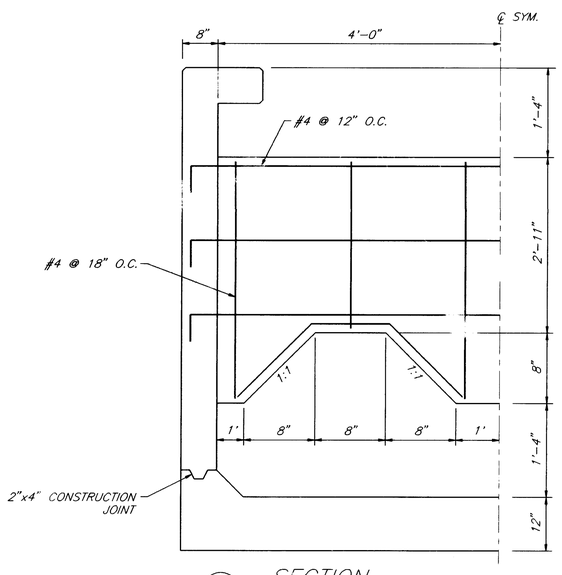



PLAN
NO SCALE

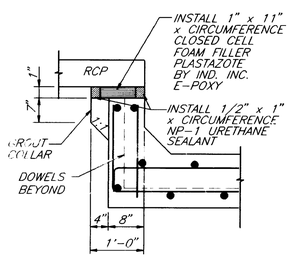



F 17/17 SECTION
NO SCALE

NOTE:
EXTEND FILL SLOPE TO MATCH TOP OF DISSIPATOR




D 16/17 SECTION
NO SCALE




E 16/17 DETAIL
NO SCALE

NOTIFY COA 2 DAYS PRIOR TO WORK IN EASEMENTS. COA MUST INSPECT STEEL & FORMWORK PRIOR TO CASTING CONCRETE

RECORD DRAWINGS
DATE 11/11/94

26 4882.901794

WILLIAM L. VREELAND NEW MEXICO 8131 REGISTERED PROFESSIONAL ENGINEER 11/11/94

SCANNED BY
BY LASON

AS-BUILT INFORMATION

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

MICRO-FILM INFORMATION

| | |
|---|---|
| RECORDED BY | DATE |
| NO. | |

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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 DRIVE
ELEV.=6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY JCA DATE 3/94
DRAWN BY LER DATE 3/94
CHECKED BY GEL DATE 3/94

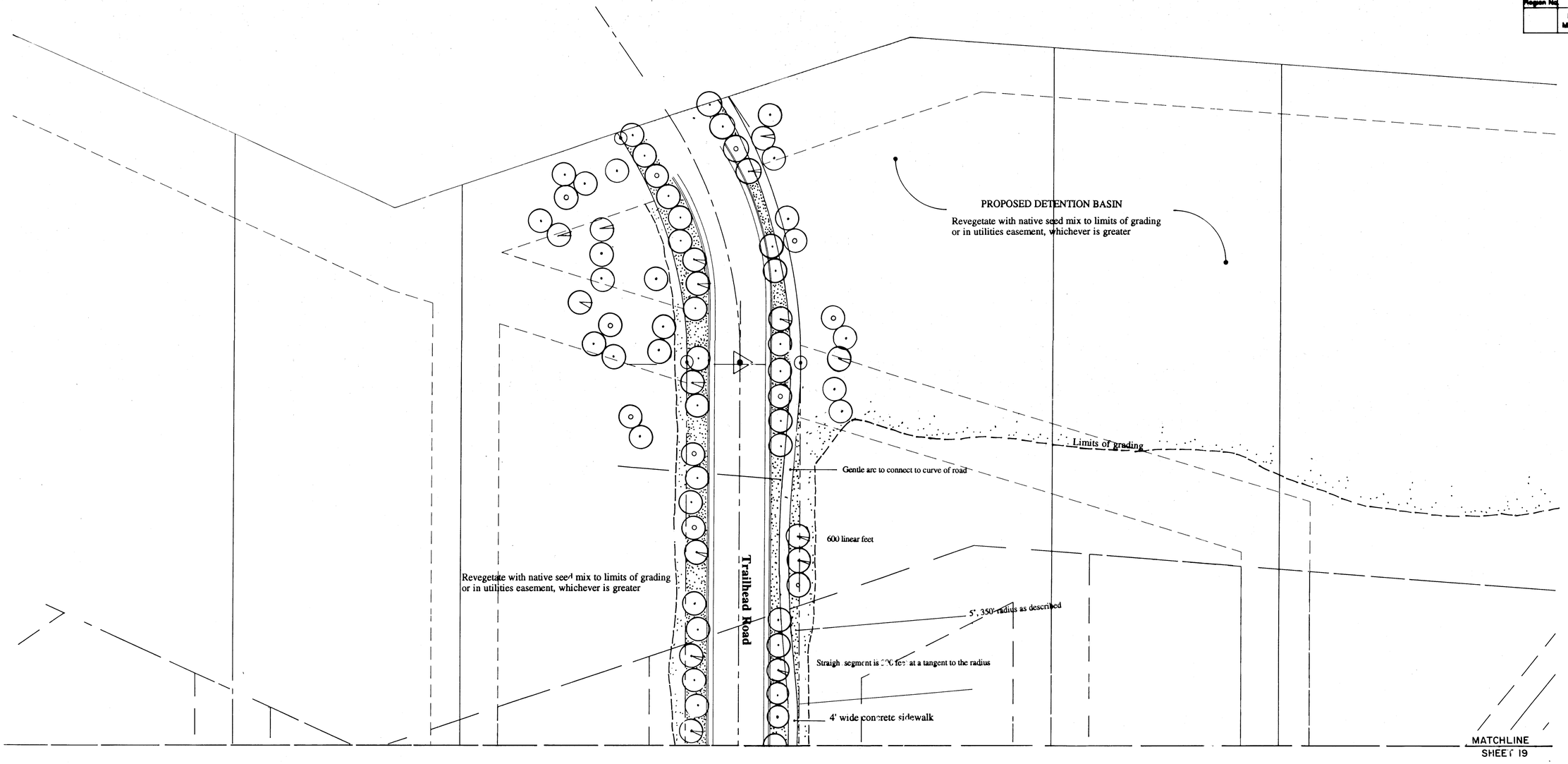
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TRAILHEAD SUBDIVISION
STRUCTURAL DETAILS
ENERGY DISSIPATOR PLAN & SECTIONS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| D.R.C. CHAIR | S.G.B. | 4-26-94 | WATER | N/A RWK | 4-1-94 |
| TRANS. DEV. | N/A DHD | 4-21-94 | WASTE WATER | N/A RWK | 4-1-94 |
| HYDROLOGY | DD | 4-13-94 | NMUI | | |
| PARKS | N/A DS | 4-22-94 | | | |

PROJECT NO. 4882.90 | MAP NO. F-23 | SHEET 17 OF 25

[C9312640.ACAD]HDDISIP2.DWG 3/24/94




Note: Site and roadway layout information provided by Bohannon-Huston, Inc., Engineers 2/14/94

## PLANT LIST

| SYMBOL | QUANTITY Sht 1 | Sht 2 | Sht 3 | Total | COMMON NAME | BOTANICAL NAME | SIZE |
|---|---|---|---|---|---|---|---|
| TREES | | | | | | | |
| | 44 | 27 | 28 | 99 | Pinon pine | Pinus edulis | b&b 4'-6' ht. |
| | 16 | 12 | 10 | 38 | One seed juniper | Juniperus monosperma | 5 gal. |
| | 11 | 8 | 15 | 34 | Mountain mahogany | Celocarpus montanus | b&b 4'-6' ht. |
| Total | | | | 171 | | | |
| SHRUBS | | | | | | | |
| | | 25 | 14 | 39 | Apache plume | Fallugia paradoxa | 5 gal |
| | | 219 | 216 | 435 | Sand penstemon | Penstemon ambiguus | 1 gal |
| | | 31 | 22 | 53 | Chamisa | Chrysothamnus nauseosus | 5 gal |
| | | 252 | 219 | 471 | Prairie sage | Artemisia ludoviciana | 1 gal |
| Total | | | | 852 | | | |
| | | | | | See Notes | | |
| GRASS MIX | | | | | | | |

## GENERAL NOTES

**Landscape Planting**

1. Surface shall be raked free of stones and extraneous materials and debris to a smooth and even texture. All extraneous matter will be disposed of by landscape contractor.
2. All plants shall be placed in location as specified except for minor adjustments made necessary by underground obstructions or other unforeseen causes.
3. A complete list of plants, including a schedule of quantities, sizes and other requirements is shown on the Drawings. In the event that discrepancies occur between the quantities of plants indicated in the plan list and as indicated on the plan, the plant quantities indicated on the plan shall govern.
4. Substitutions shall not be made unless specified landscape material is not obtainable. Substitutions shall be made only if non-availability is proven to Landscape Architect or Owner.
5. All plants shall be typical of their species or variety. All plants shall have normal, well developed branches and vigorous root systems.
6. Delivery of all plants shall be done with utmost care to insure adequate protection against injury. Do not bend or bind-tie trees and shrubs in such a manner as to damage bark, break branches or destroy natural shape.
7. Balled and burlapped plant material shall have a solid ball of earth of minimum specified size held in place securely by burlap and a sisal twine or rope and/or wire baskets
8. Soil amendments shall be Soil Builder by Western Organic and applied 2" deep over planting area and well mixed with top 4" of on-site backfill material.
9. All planting and backfilling shall be performed in accordance with accepted nursery practice, the plan detail shown and as specified.
10. The landscape contractor shall assume the responsibility of maintenance of the landscape including weeding, watering, cultivating and reparation of the irrigation system for a period of 2 years (24 months). The landscape contractor shall guarantee the trees and shrubs to remain alive and healthy for a period of two full years (24 months) beginning on the date of final contract acceptance.

**Seeding**

1. All soil slopes which have been completed prior to the seeding season shall be seeded immediately after the opening of the current seeding season.
2. The seeding season shall be from June 1 to August 15. Seeding may take place from March 31 to June 1, or from August 15 to October 15, but seed quantities shall be increased by 25% (PLS per square foot). No seeding shall take place from October 15 to March 31.
3. All areas disturbed by earthwork operations, including utility lines and drainage improvements, shall be reclaimed by drill seeding, mulched, and diced with a mulch disc to the following seeding schedule and mixed to the proportions by weight, and be pure live seed:

| Seed | PLS Per Acre |
|---|---|
| 'Hachita' Blue Grama 40% | 1 lb. |
| 'Vaughn' Side Oats Grama 20% | 1 lb. |
| *'Paloma' Indian Rice Grass 20% | 1.20 lbs. |
| 'Viva' Galleta 20% | 1.20 lbs. |
| 'Bandera' Penstemon | 1/2 lb. |
| 'Lewis' Blue Flax | 1/2 lb. |

*Indian Rice Grass shall be drill seeded first. It shall be drill seeded to a depth of 1-1/2"-2".

4. The prescribed mix and rate shall be uniformly applied over the area to be seeded. Alternate seed blends may be substituted only if specified on the plans or approved by the Landscape Architect.
5. The seed bed shall be prepared to a minimum depth of 4 inches tilling with a disc, harrow, or chiseling tools. All competitive vegetation shall be uprooted during seed bed preparation and the soil shall be uniformly worked to a smooth firm surface free of clods, and 4" or larger stones or other foreign material that would interfere with seeding equipment or operation.
6. Tillage shall be performed across the slope when practical.
7. No work shall be done when the moisture content of the soil is unfavorable or the ground is otherwise in a non-tillable condition.
8. The seeds will be broadcast by a mechanical spreader at a rate as specified on the plans. Seed shall be cultivated to a minimum depth of 1/4" depth and no more than 1/2 of an inch.
9. Hay Mulch. Perennial native or introduced grasses of fine-stemmed varieties shall be used unless otherwise specified on the plans.
10. All seeded areas shall be mulched unless otherwise shown on the plans or directed by the Landscape Architect to a depth of 1".
11. The mulch shall be spread uniformly over the area either by hand or with a mechanical mulch spreader.
12. Straw or hay shall be weated down and allowed to soften for 15-30 minutes prior to crimping. Mulch shall be crimped to a minimum depth of 2".
13. All seeding shall follow City of Albuquerque Specifications for Public Works unless otherwise specified by the Landscape Architect.


LAND PLANNER
LANDSCAPE ARCHITECT
*Design Workshop Inc.*
*120 East Main Street*
*Aspen, CO 81612*
*303 925 8354*

ENGINEER
*Bohannon-Huston Inc.*
*Courtyard I*
*7500 Jefferson NE*
*Albuquerque, NM 87109*
*505 823 1000*

OWNER
*High Desert Investment Corp.*
*PO Box 91976*
*Albuquerque, NM 87199*
*505 825 9360*


Norte

0 10' 20' 40'

Scale: 1": 20'-0"

26 4882.901894

HIGH DESERT

SCANNED BY BY LASON

| F.H.W.A. Region No. | NEW MEXICO | | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|

AS-BUILT INFORMATION
CONTRACTOR
CHANGES STAMPED BY DATE
MISC. WORKS STAMPED BY DATE
FIELD ESTIMATE BY DATE
VERIFICATION BY DATE
DISCREPANCIES BY DISCREPANCY INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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 DRIVE. ELEVATION = 6009.155'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
4-28-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |

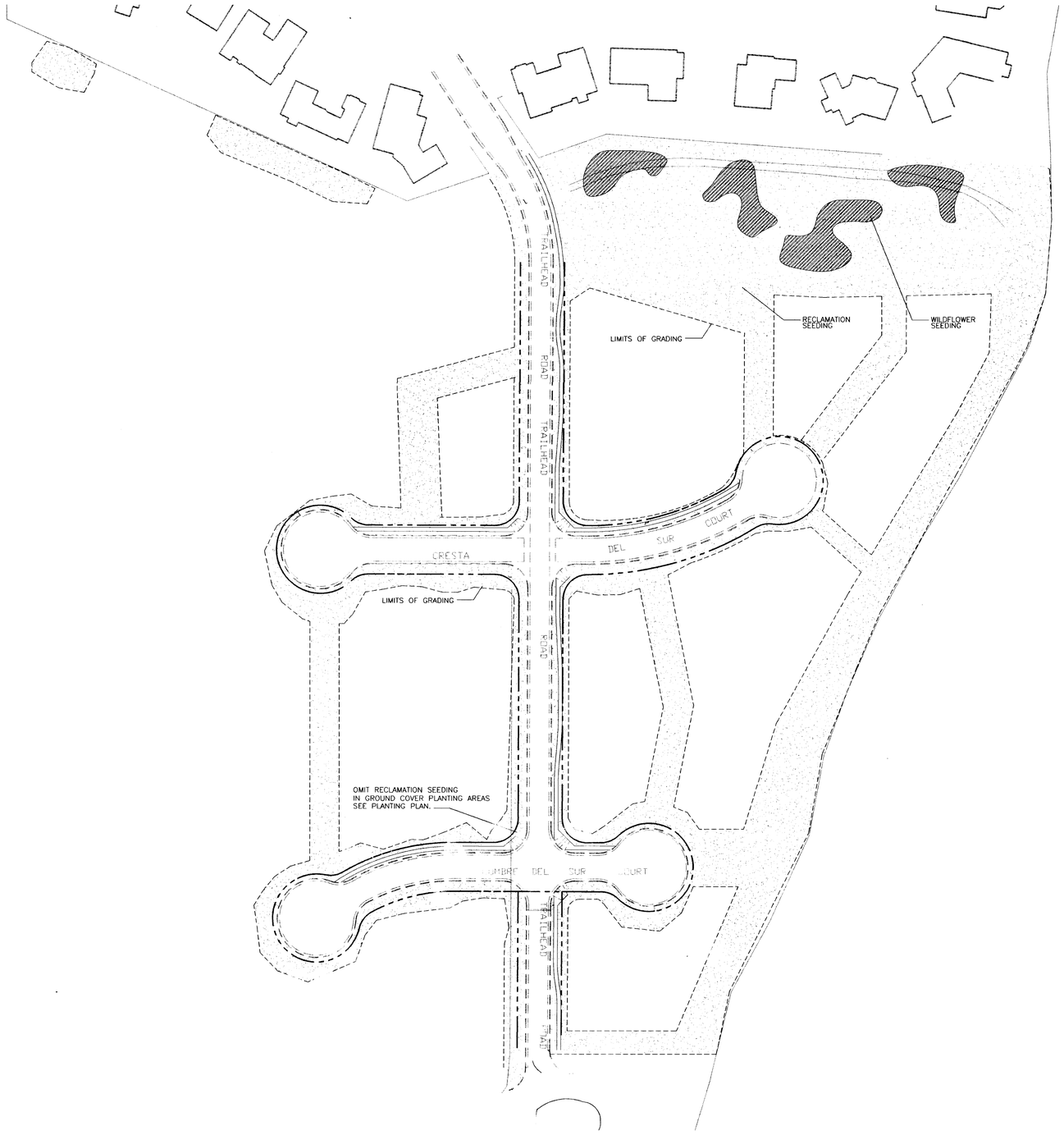
DESIGN
DESIGNED BY DATE
DRAWN BY DATE March 1 '94
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE
HIGH DESERT TRAILHEAD
LANDSCAPE PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| ~~City Engineer~~ | BJH | 4/28/94 | Liquid Waste | N/A RWK | 4-1-94 |
| ~~ACE - Design~~ | | | Traffic | N/A RWP | 4-01-94 |
| ~~ACE - Hydrology~~ | N/A | 4/13/94 | Water | N/A RWK | 4-1-94 |
| Parks | N/A | 4-22-94 | | | |

DRAWING NO. 4882.90 MAP NO. F-23 SHEET 18 OF 25




## SEEDING NOTES

GENERAL

* ALL AREAS DISTURBED OR DENUDED OF VEGETATION SHALL BE RESEEDED WITH THE RECLAMATION SEED MIX AS DESCRIBED IN THE PLANS AND SHALL COMPLY WITH NPDES STANDARDS FOR DUST AND EROSION CONTROL, AND ANY OTHER LOCAL ORDINANCES HAVING JURISDICTION.
* ALL DISTURBED OR DENUDED AREAS BEYOND THE LIMITS OF CONSTRUCTION SHALL BE RESEEDED AS PER THE RECLAMATION SEED MIX AND AS PER THE OWNER'S DIRECTION.
* ALL RECLAMATION SEEDING OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.
* AREAS DESIGNATED FOR WILDFLOWER SEEDING SHALL BE SEEDED WITH THE RECLAMATION SEED MIX AS SPECIFIED, AND OVERSEEDED WITH THE WILDFLOWER SEED MIX.
* ALL AREAS TO BE RECLAIMED SHALL BE INSTALLED UTILIZING A SOIL IMPRINTER. SEE SPECIFICATIONS.

PHASING

* ALL AREAS TO BE RECLAIMED OUTSIDE THE AREAS TO BE PLANTED SHALL BE RESEEDED PRIOR TO THE START OF ALL OTHER WORK.

## RECLAMATION SEEDING

| SYM | BOTANICAL NAME | COMMON NAME | RATE |
|---|---|---|---|
| | Bouteloua gracilis | BLUE GRAMA "Hachita" | 3 LBS.PLS/AC |
| | Bouteloua curtipendula | SIDE OATS GRAMA "Niner" | 3 LBS.PLS/AC |
| | Hilaria jamesii | GALLETA "Viva" | 1.5 LBS.PLS/AC |
| | Oryzopsis hymenoides | INDIAN RICE GRASS "Paloma" | 3 LBS.PLS/AC |
| | Sporobolus cryptandrus | SAND DROPSEED | 1 LBS.PLS/AC |
| | Aristida purpurea | PURPLE THREE AWN | .5 LBS.PLS/AC |
| | Sporobolus cryptandrus | APACHE PLUME | .5 LBS.PLS/AC |
| | Ceratoides lanata | WINTERFAT | 1 LBS.PLS/AC |
| | Castilleja integra | INDIAN PAINTBRUSH | .25 LBS.PLS/AC |
| | Verbena bipinnatifida | FERN VERBENA | .25 LBS.PLS/AC |
| | | | 14.0 LBS.PLS/AC |

## WILDFLOWER SEEDING

| SYM | BOTANICAL NAME | COMMON NAME | RATE |
|---|---|---|---|
| | Baileya multiradiata | DESERT MARIGOLD | .45 LBS.PLS/AC |
| | Linum perenne lewisii | BLUE FLAX | .45 LBS.PLS/AC |
| | Aster bigelovii | PURPLE ASTER | .45 LBS.PLS/AC |
| | Oenothera caespitosa | WHITE EVENING PRIMROSE | .30 LBS.PLS/AC |
| | Penstemon ambiguus | SAND PENSTEMON | .30 LBS.PLS/AC |
| | Petalostemum purpureum | PURPLE PRAIRIE CLOVER | .30 LBS.PLS/AC |
| | Ratibida columnifera | YELLOW PRAIRIE CONEFLOWER | .30 LBS.PLS/AC |
| | Sphaeralcea coccinca | SCARLET GLOBEMALLOW | .45 LBS.PLS/AC |
| | | | 3.0 LBS.PLS/AC |

NORTH

0 30 60 120

SCALE: 1" = 60'-0"

26 4882.901894A

HIGH DESERT

SCANNED BY

BLACK ASSOC. INC. 94140.03

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

PROFESSIONAL SEAL
9-16-94

OMIT SHEET 18 AND REPLACE WITH SHEETS 18A, B AND C.

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GRAD DATE: 9/94

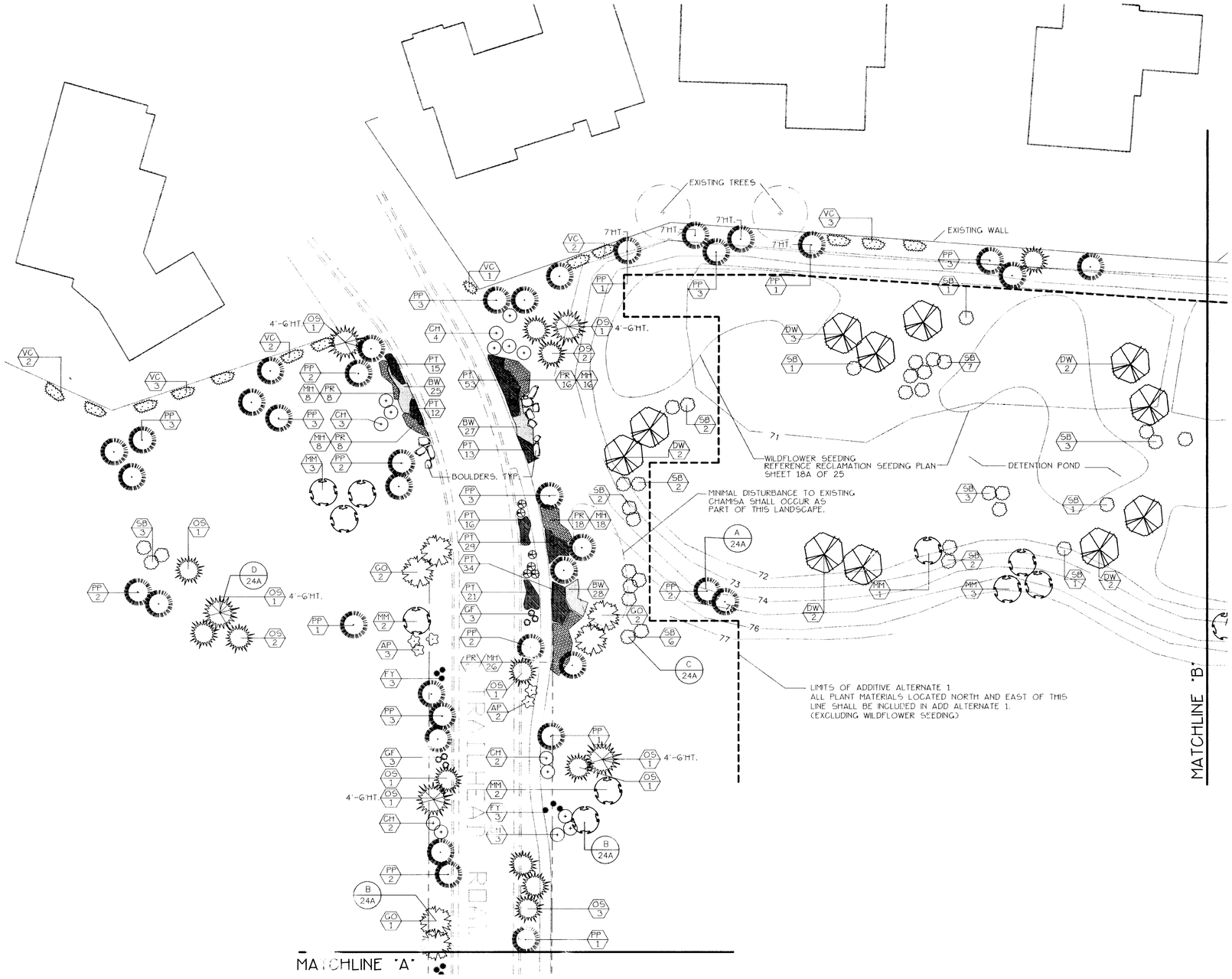
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: TRAILHEAD SUBDIVISION
RECLAMATION SEEDING PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882.90 MAP NO. F-23 SHEET 18A OF 25

FILENAME: RECLAM.DWG




## PLANT LIST

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SIZE | REMARKS |
|---|---|---|---|---|---|
| TREES | | | | | |
| PP | Pinus edulis | PINON PINE | 38 | 5'–7'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE–SEED JUNIPER | 5 | 4'–6'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE–SEED JUNIPER | 12 | 1'–2'HT | 5 gal. |
| DW | Chilopsis linearis | DESERT WILLOW | 2 | 4'–6'HT | 15 gal. |
| GO | Quercus gambelii | GAMBEL OAK | 6 | 10'HT | B&B CLUMPS |
| MM | Cercocarpus montanus | MOUNTAIN MAHOGANY | 6 | 4'–6'HT | B&B ✳ |
| SHRUBS | | | | | |
| CH | Chrysothamnus nauseosus | CHAMISA | 15 | 5 gal. | |
| SB | Atriplex canescens | FOUR WING SALTBUSH | 15 | 5 gal. | |
| AP | Fallugia paradoxa | APACHE PLUME | 5 | 5 gal. | |
| GROUND COVERS AND VINES | | | | | |
| PS | Artemisia ludoviciana | PRAIRIE SAGE | 8 | 1 gal. | |
| GF | Liatris punctata | GAYFEATHER | 6 | 1 gal. | |
| FY | Hesperaloe parviflora | RED FLOWERING YUCCA | 6 | 1 gal. | |
| BW | ✳✳Asclepias tuberosa | BUTTERFLYWEED | 80 | 1 quart | 18" o.c. |
| PR | ✳✳Petalostemum purpureum• | PURPLE PRAIRIE CLOVER | 68 | 1 quart | 18" o.c. |
| MH | ✳✳Ratibida columnifera• | YELLOW MEXICAN HAT | 68 | 1 quart | 18" o.c. |
| PT | ✳✳Psilostrophe tagetina | PAPERFLOWER | 193 | 1 quart | 18" o.c. |
| VC | Parthenocissus inserta | WOODBINE | 13 | 1 gal. | |
| SP | ✳✳Penstemon ambiguus | SAND PENSTEMON | 0 | 1 quart | 18" o.c. |
| VB | ✳✳Abronia villosa | SAND VERBENA | 0 | 1 quart | 18" o.c. |

• NOTE: PURPLE PRAIRIE CLOVER AND YELLOW MEXICAN HAT SHALL BE PLANTED INTERMIXED IN EQUAL QUANTITIES.

## ADDITIVE ALTERNATE 1 PLANT LIST

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SIZE | REMARKS |
|---|---|---|---|---|---|
| TREES | | | | | |
| OS | Juniperus monosperma | ONE–SEED JUNIPER | 1 | 4'–6'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE–SEED JUNIPER | 0 | 1'–2'HT | 5 gal. |
| PP | Pinus edulis | PINON PINE | 0 | 5'–7'HT | B&B ✳ |
| DW | Chilopsis linearis | DESERT WILLOW | 9 | 4'–6'HT | 15 gal. |
| MM | Cercocarpus montanus | MOUNTAIN MAHOGANY | 4 | 4'–6'HT | B&B ✳ |
| SHRUBS | | | | | |
| SB | Atriplex canescens | FOUR WING SALTBUSH | 19 | 5 gal. | |
| AP | Fallugia paradoxa | APACHE PLUME | 7 | 5 gal. | |

## ADDITIVE ALTERNATE 2 NATIVE GRASS SEEDING

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SEEDING RATE |
|---|---|---|---|---|
| BG | Bouteloua gracilis | BLUE GRAMA GRASS | 0 | 4 LBS PER 1000 SF. |

## PLANTING NOTES

PLANT LOCATIONS MAY NEED TO BE ADJUSTED IN THE FIELD IF ADD ALTERNATES ARE NOT ACCEPTED. NO ADDITIONAL QUANTITIES SHALL BE ADDED. TREES SHALL BE LOCATED NO LESS THAN 3 FEET FROM THE BACK OF THE CURB.

MULCH SHALL BE INSTALLED AROUND ALL PLANT MATERIALS AS PER THE PLANTING DETAILS.

CONTRACTOR SHALL USE CARE IN PERFORMING ALL WORK SPECIFIED TO PROTECT EXISTING UNDISTURBED PLANT MATERIALS. CONTRACTOR SHALL REPLACE IN KIND, ALL EXISTING PLANT MATERIALS DAMAGED DURING THE COURSE OF WORK, AS DETERMINED BY THE LANDSCAPE ARCHITECT.

COLLECTED PLANTS WILL BE ACCEPTED ONLY FOR PINON PINE, 4'–6' AND ONE SEED JUNIPERS. COLLECTED PLANTS MUST MEET ALL SPECIFICATIONS FOR ACCEPTANCE.

BOULDERS SHALL BE RELOCATED FROM ON SITE, AS DIRECTED BY THE LANDSCAPE ARCHITECT.

TREE STAKING SHALL BE PERFORMED AS AN OPTION FOR EVERGREEN TREES ONLY, AT THE DISCRETION OF THE CONTRACTOR OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

✳ PLANT MATERIALS DENOTED WITH THIS SYMBOL SHALL BE INSTALLED IN EQUAL QUANTITIES ACCORDING TO SIZE. FOR EXAMPLE, IF THE TOTAL QUANTITY IS 10 AT 4'–6'HT, 5 SHALL BE 4'HT AND 5 SHALL BE 6'HT.

✳✳ PLANTS DENOTED WITH THIS SYMBOL SHALL BE PLANTED AFTER THE DATE OF APRIL 15, 1995.

HIGH DESERT

NORTH

0 10 20 40

SCALE: 1" = 20'-0"

26 4882.901894B

SCANNED BY LASON

PROJECT NO. 94140.03

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV =6009.155'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

PROFESSIONAL SEAL

9-16-94

OMIT SHEET 18 AND REPLACE WITH SHEETS 18A, B AND C

NO. DATE REMARKS BY
REVISIONS
DESIGN
DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GRAD,TAG DATE: 9/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: TRAILHEAD SUBDIVISION
PLANTING PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882.90 MAP NO. F-23 SHEET 18B OF 25

FILENAME: PLBASE.DWG

LARCH

## PLANT LIST

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SIZE | REMARKS |
|---|---|---|---|---|---|
| TREES | | | | | |
| PP | Pinus edulis | PINON PINE | 4 | 5'-7'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 0 | 4'-6'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 1 | 1'-2'HT | 5 gal. |
| DW | Chilopsis linearis | DESERT WILLOW | 0 | 4'-6'HT | 15 gal. |
| GO | Quercus gambelii | GAMBEL OAK | 0 | 10'HT | B&B CLUMPS |
| MM | Cercocarpus montanus | MOUNTAIN MAHOGANY | 0 | 4'-6'HT | B&B ✳ |
| SHRUBS | | | | | |
| CH | Chrysothamnus nauseosus | CHAMISA | 0 | 5 gal. | |
| SB | Atriplex canescens | FOUR WING SALTBUSH | 0 | 5 gal. | |
| AP | Fallugia paradoxa | APACHE PLUME | 0 | 5 gal. | |
| GROUND COVERS AND VINES | | | | | |
| PS | Artemisia ludoviciana | PRAIRIE SAGE | 0 | 1 gal. | |
| GF | Liatris punctata | GAYFEATHER | 0 | 1 gal. | |
| FY | Hesperaloe parviflora | RED FLOWERING YUCCA | 0 | 1 gal. | |
| BW ✳✳ | Asclepias tuberosa | BUTTERFLYWEED | 0 | 1 quart | 18" o.c. |
| PR ✳✳ | Petalostemum purpureum* | PURPLE PRAIRIE CLOVER | 0 | 1 quart | 18" o.c. |
| MH ✳✳ | Ratibida columnifera* | YELLOW MEXICAN HAT | 0 | 1 quart | 18" o.c. |
| PT ✳✳ | Psilostrophe tagetina | PAPERFLOWER | 0 | 1 quart | 18" o.c. |
| VC | Parthenocissus inserta | WOODBINE | 0 | 1 gal. | |
| SP ✳✳ | Penstemon ambiguus | SAND PENSTEMON | 0 | 1 quart | 18" o.c. |
| VB ✳✳ | Abronia villosa | SAND VERBENA | 0 | 1 quart | 18" o.c. |

* NOTE: PURPLE PRAIRIE CLOVER AND YELLOW MEXICAN HAT SHALL BE PLANTED INTERMIXED IN EQUAL QUANTITIES.

## ADDITIVE ALTERNATE 1 PLANT LIST

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SIZE | REMARKS |
|---|---|---|---|---|---|
| TREES | | | | | |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 0 | 4'-6'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 3 | 1'-2'HT | 5 gal. |
| PP | Pinus edulis | PINON PINE | 2 | 5'-7'HT | B&B ✳ |
| DW | Chilopsis linearis | DESERT WILLOW | 8 | 4'-6'HT | 15 gal. |
| MM | Cercocarpus montanus | MOUNTAIN MAHOGANY | 6 | 4'-6'HT | B&B ✳ |
| SHRUBS | | | | | |
| SB | Atriplex canescens | FOUR WING SALTBUSH | 25 | 5 gal. | |
| AP | Fallugia paradoxa | APACHE PLUME | 0 | 5 gal. | |

## ADDITIVE ALTERNATE 2 NATIVE GRASS SEEDING

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SEEDING RATE |
|---|---|---|---|---|
| BG | Bouteloua gracilis | BLUE GRAMA GRASS | 0 | 4 LBS PER 1000 SF. |

## PLANTING NOTES

PLANT LOCATIONS MAY NEED TO BE ADJUSTED IN THE FIELD IF ADD ALTERNATES ARE NOT ACCEPTED. NO ADDITIONAL QUANTITIES SHALL BE ADDED. TREES SHALL BE LOCATED NO LESS THAN 3 FEET FROM THE BACK OF THE CURB.

MULCH SHALL BE INSTALLED AROUND ALL PLANT MATERIALS AS PER THE PLANTING DETAILS.

CONTRACTOR SHALL USE CARE IN PERFORMING ALL WORK SPECIFIED TO PROTECT EXISTING UNDISTURBED PLANT MATERIALS. CONTRACTOR SHALL REPLACE IN KIND, ALL EXISTING PLANT MATERIALS DAMAGED DURING THE COURSE OF WORK, AS DETERMINED BY THE LANDSCAPE ARCHITECT.

COLLECTED PLANTS WILL BE ACCEPTED ONLY FOR PINON PINE, 4'-6' AND ONE SEED JUNIPERS. COLLECTED PLANTS MUST MEET ALL SPECIFICATIONS FOR ACCEPTANCE.

BOULDERS SHALL BE RELOCATED FROM ON SITE, AS DIRECTED BY THE LANDSCAPE ARCHITECT.

TREE STAKING SHALL BE PERFORMED AS AN OPTION FOR EVERGREEN TREES ONLY, AT THE DISCRETION OF THE CONTRACTOR OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

✳ PLANT MATERIALS DENOTED WITH THIS SYMBOL SHALL BE INSTALLED IN EQUAL QUANTITIES ACCORDING TO SIZE. FOR EXAMPLE, IF THE TOTAL QUANTITY IS 10 AT 4'-6'HT, 5 SHALL BE 4'HT AND 5 SHALL BE 6'HT.

✳✳ PLANTS DENOTED WITH THIS SYMBOL SHALL BE PLANTED AFTER THE DATE OF APRIL 15, 1995.

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
STATION IS A STANDARD USC&GS BRASS 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 DRIVE
ELEV =6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

PROFESSIONAL SEAL

OMIT SHEET 18 AND REPLACE WITH SHEETS 18A, B AND C

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GRAD, TAG DATE: 9/94

HIGH DESERT

NORTH
0 10 20 40
SCALE: 1" = 20'-0"

26 4882.90 1894c

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: TRAILHEAD SUBDIVISION
PLANTING PLAN

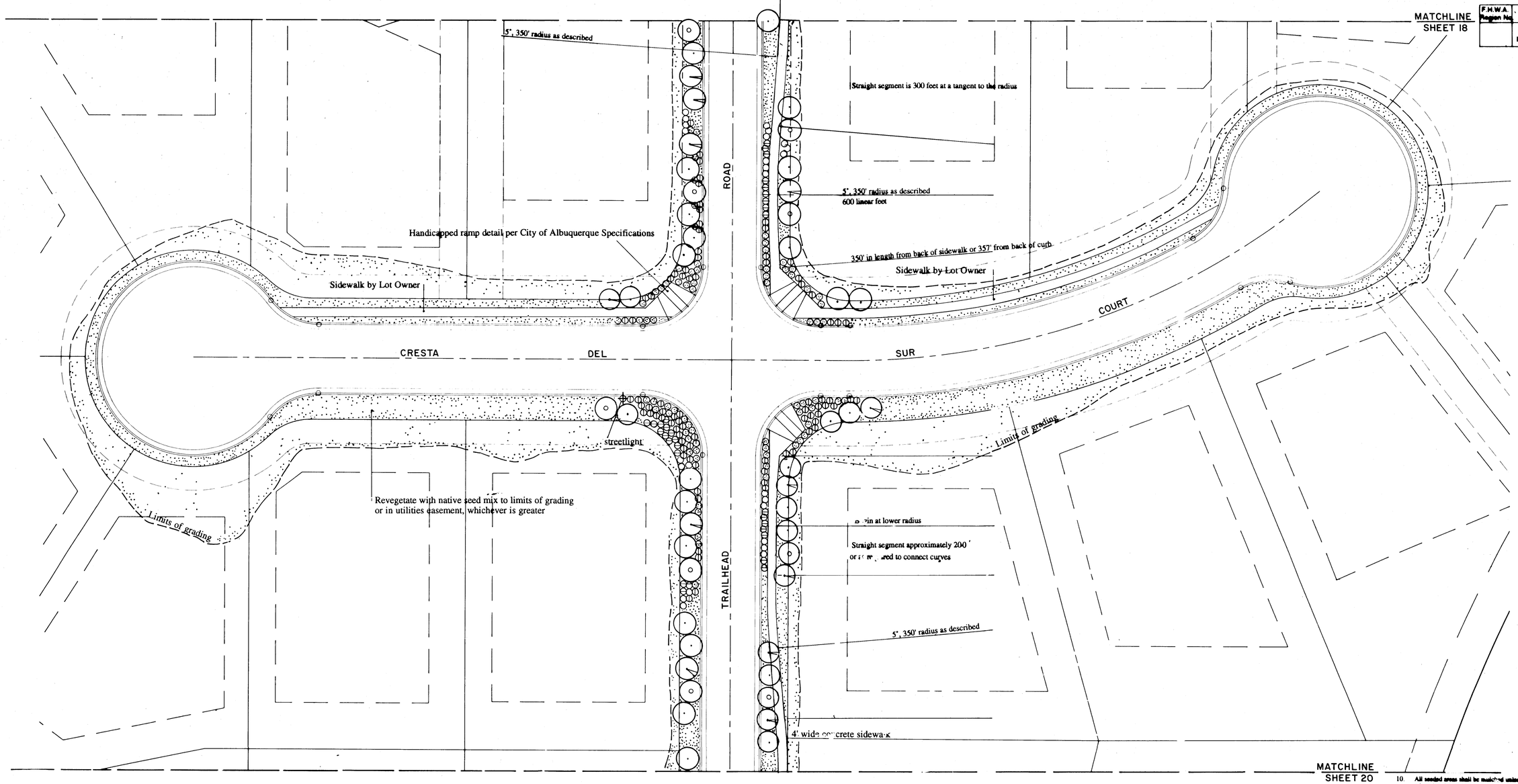
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 18C OF 25

PROJECT NO. 94140.03

SCANNED BY LASON

FILENAME: PLBASE.DWG




## PLANT LIST

| SYMBOL | QUANTITY Sht 1 | Sht 2 | Sht 3 | Total | COMMON NAME | BOTANICAL NAME | SIZE |
|---|---|---|---|---|---|---|---|
| TREES | | | | | | | |
| | 44 | 27 | 28 | 99 | Pinon pine | Pinus edulis | b&b 4'-6' ht. |
| | 16 | 12 | 10 | 38 | One seed juniper | Juniperus monosperma | 5 gal. |
| | 11 | 8 | 15 | 34 | Mountain mahogany | Celocarpus montanus | b&b 4'-6' ht. |
| Total | | | | 171 | | | |
| SHRUBS | | | | | | | |
| | | 25 | 14 | 39 | Apache plume | Fallugia paradoxa | 5 gal |
| | | 219 | 216 | 435 | Sand penstemon | Penstemon ambiguus | 1 gal |
| | | 31 | 22 | 53 | Chamisa | Chrysothamnus nauseosus | 5 gal |
| | | 252 | 219 | 471 | Prairie sage | Artemisia ludoviciana | 1 gal |
| Total | | | | 852 | | | |
| GRASS MIX | | | | | See Notes | | |

## GENERAL NOTES

**Landscape Planting**

1. Surface shall be raised free of stones and extraneous materials and debris to a smooth and even texture. All extraneous matter will be disposed of by landscape contractor.
2. All plants shall be placed in location as specified except for minor adjustments made necessary by underground obstructions or other unforeseen causes.
3. A complete list of plants, including a schedule of quantities, sizes and other requirements is shown on the Drawings. In the event that discrepancies occur between the quantities of plants indicated in the plan list and as indicated on the plan, the plant quantities indicated on the plan shall govern.
4. Substitutions shall not be made unless specified landscape material is not obtainable. Substitutions shall be made only if non-availability is proven to Landscape Architect or Owner.
5. All plants shall be typical of their species or variety. All plants shall have normal, well developed branches and vigorous root systems.
6. Delivery of all plants shall be done with utmost care to insure adequate protection against injury. Do not bend or bind-tie trees and shrubs in such a manner to damage bark, break branches or destroy natural shape.
7. Balled and burlapped plant material shall have a solid ball of earth of maximum specified size held in place securely by burlap and a stout twine or rope and/or wire baskets.
8. Soil amendments shall be Soil Builder by Western Organic and applied 2" deep over planting area and well mixed with top 4" of on-site backfill material.
9. All planting and backfilling shall be performed in accordance with accepted nursery practice, the plan detail shown and as specified.
10. The landscape contractor shall assume the responsibility of maintenance of the landscape including weeding, watering, cultivating and repairation of the irrigation system for a period of 2 years (24 months). The landscape contractor shall guarantee the trees and shrubs to remain alive and healthy for a period of two full years (24 months) beginning on the date of final contract acceptance.

**Seeding**

1. All soil slopes which have been completed prior to the seeding season shall be seeded immediately after the opening of the current seeding season.
2. The seeding season shall be from June 1 to August 15. Seeding may take place from March 31 to June 1, or from August 15 to October 15, but seed quantities shall be increased by 25% (PLS per square foot). No seeding shall take place from October 15 to March 31.
3. All areas disturbed by earthwork operations, including utility lines and drainage improvements, shall be reclaimed by drill seeding, mulched, and diced with a mulch disc to the following seeding schedule and mixed to the proportions by weight, and be pure live seed:

| Seed | PLS Per Acre |
|---|---|
| 'Hachita' Blue Grama 40% | 1 lb. |
| 'Vaughn' Side Oats Grama 20% | 1 lb. |
| *'Paloma' Indian Rice Grass 20% | 1.20 lbs. |
| 'Viva' Galleta 20% | 1.20 lbs. |
| 'Bandera' Sensemann | 1/2 lb. |
| 'Lewis' Blue Flax | 1/2 lb. |

*Indian Rice Grass shall be drill seeded first. It shall be drill seeded to a depth of 1-1/2"-2".

4. The prescribed mix and rate shall be uniformly applied over the area to be seeded. Alternate seed blends may be substituted only if specified on the plans or approved by the Landscape Architect.
5. The seed bed shall be prepared to a maximum depth of 4 inches tilling with a disc, harrow, or chiseling tools. All competitive vegetation shall be uprooted during seed bed preparation and the soil shall be uniformly worked to a smooth firm surface free of clods, and 4" or larger stones or other foreign material that would interfere with seeding equipment or operation.
6. Tillage shall be performed across the slope when practical.
7. No work shall be done when the moisture content of the soil is unfavorable or the ground is otherwise in a non-tillable condition.
8. The seeds will be broadcast by a mechanical spreader at a rate as specified on the plans. Seed shall be cultipacked to a maximum depth of 1/4" depth and no more than 1/2 of an inch.
9. Hay Mulch. Perennial native or introduced grasses of fine-stemmed varieties shall be used unless otherwise specified on the plans.
10. All seeded areas shall be mulched unless otherwise shown on the plans or directed by the Landscape Architect to a depth of 1".
11. The mulch shall be spread uniformly over the area either by hand or with a mechanical mulch spreader.
12. Straw or hay shall be wetted down and allowed to soften for 15-30 minutes prior to crimping. Mulch shall be crimped to a maximum depth of 2".
13. All seeding shall follow City of Albuquerque Specifications for Public Works unless otherwise specified by the Landscape Architect.


LAND PLANNER
LANDSCAPE ARCHITECT
*Design Workshop Inc.*
*120 East Main Street*
*Aspen, CO 81612*
*303 925 8354*

ENGINEER
*Bohannon-Huston Inc.*
*Courtyard I*
*7500 Jefferson NE*
*Albuquerque, NM 87109*
*505 823 1000*

OWNER
*High Desert Investment Corp*
*PO Box 91976*
*Albuquerque, NM 87199*
*505 825 9360*


North

0 10 20' 40'

Scale: 1": 20'-0"

26 4882.901994

HIGH DESERT

SCANNED BY BY LASON

F.H.W.A. Region No. | NEW MEXICO | SHEET NO. | TOTAL SHEETS

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S NOTES BY DATE
REVISIONS BY DATE
INCORPORATED BY DATE
RECORDED BY DATE
NO.

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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 DRIVE. ELEVATION = 6009.155'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

Note: Site and roadway layout information provided by Bohannon-Huston, Inc., Engineers 2/14/94

ENGINEERS SEAL
4-28-94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

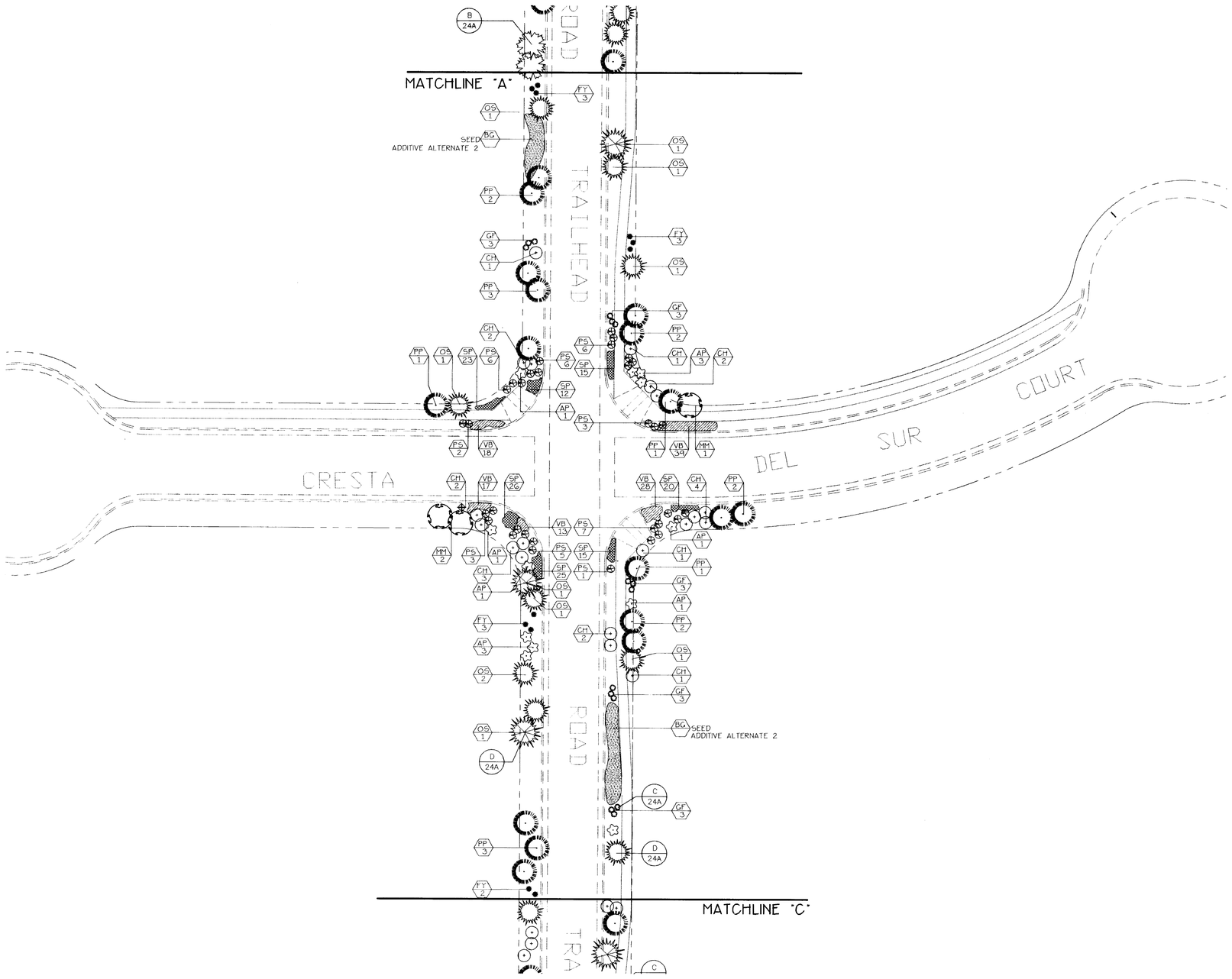
DESIGNED BY DATE
DRAWN BY DATE March 7, '94
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE
HIGH DESERT TRAILHEAD
LANDSCAPE PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| ~~Construction~~ | | | Liquid Waste | N/A | 4-1-94 |
| ~~ACE - Design~~ | | | Traffic | N/A | 4-01-94 |
| ~~ACE - Hydrology~~ | | 4/12/94 | Water | N/A | 4-1-94 |
| PWD | N/A | 4-22-94 | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 19 OF 25




## PLANT LIST

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SIZE | REMARKS |
|---|---|---|---|---|---|
| TREES | | | | | |
| PP | Pinus edulis | PINON PINE | 17 | 5'-7'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 3 | 4'-6'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 8 | 1'-2'HT | 5 gal. |
| DW | Chilopsis linearis | DESERT WILLOW | 0 | 4'-6'HT | 15 gal. |
| GO | Quercus gambelii | GAMBEL OAK | 2 | 10'HT | B&B CLUMPS |
| MM | Cercocarpus montanus | MOUNTAIN MAHOGANY | 3 | 4'-6'HT | B&B ✳ |
| SHRUBS | | | | | |
| CH | Chrysothamnus nauseosus | CHAMISA | 19 | 5 gal. | |
| SB | Atriplex canescens | FOUR WING SALTBUSH | 0 | 5 gal. | |
| AP | Fallugia paradoxa | APACHE PLUME | 11 | 5 gal. | |
| GROUND COVERS AND VINES | | | | | |
| PS | Artemisia ludoviciana | PRAIRIE SAGE | 33 | 1 gal. | |
| GF | Liatris punctata | GAYFEATHER | 15 | 1 gal. | |
| FY | Hesperaloe parviflora | RED FLOWERING YUCCA | 11 | 1 gal. | |
| BW ✳✳ | Asclepias tuberosa | BUTTERFLYWEED | 0 | 1 quart | 18" o.c. |
| PR ✳✳ | Petalostemum purpureum* | PURPLE PRAIRIE CLOVER | 0 | 1 quart | 18" o.c. |
| MH ✳✳ | Ratibida columnifera* | YELLOW MEXICAN HAT | 0 | 1 quart | 18" o.c. |
| PT ✳✳ | Psilostrophe tagetina | PAPERFLOWER | 0 | 1 quart | 18" o.c. |
| VC | Parthenocissus inserta | WOODBINE | 0 | 1 gal. | |
| SP ✳✳ | Penstemon ambiguus | SAND PENSTEMON | 136 | 1 quart | 18" o.c. |
| VB ✳✳ | Abronia villosa | SAND VERBENA | 115 | 1 quart | 18" o.c. |

* NOTE: PURPLE PRAIRIE CLOVER AND YELLOW MEXICAN HAT SHALL BE PLANTED INTERMIXED IN EQUAL QUANTITIES.

## ADDITIVE ALTERNATE 1 PLANT LIST

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SIZE | REMARKS |
|---|---|---|---|---|---|
| TREES | | | | | |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 0 | 4'-6'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 0 | 1'-2'HT | 5 gal. |
| PP | Pinus edulis | PINON PINE | 0 | 5'-7'HT | B&B ✳ |
| DW | Chilopsis linearis | DESERT WILLOW | 0 | 4'-6'HT | 15 gal. |
| MM | Cercocarpus montanus | MOUNTAIN MAHOGANY | 0 | 4'-6'HT | B&B ✳ |
| SHRUBS | | | | | |
| SB | Atriplex canescens | FOUR WING SALTBUSH | 0 | 5 gal. | |
| AP | Fallugia paradoxa | APACHE PLUME | 0 | 5 gal. | |

## ADDITIVE ALTERNATE 2 NATIVE GRASS SEEDING

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SEEDING RATE |
|---|---|---|---|---|
| BG | Bouteloua gracilis | BLUE GRAMA GRASS | 317 SF | 4 LBS PER 1000 SF. |

## PLANTING NOTES

PLANT LOCATIONS MAY NEED TO BE ADJUSTED IN THE FIELD IF ADD ALTERNATES ARE NOT ACCEPTED. NO ADDITIONAL QUANTITIES SHALL BE ADDED. TREES SHALL BE LOCATED NO LESS THAN 3 FEET FROM THE BACK OF THE CURB.

MULCH SHALL BE INSTALLED AROUND ALL PLANT MATERIALS AS PER THE PLANTING DETAILS.

CONTRACTOR SHALL USE CARE IN PERFORMING ALL WORK SPECIFIED TO PROTECT EXISTING UNDISTURBED PLANT MATERIALS. CONTRACTOR SHALL REPLACE IN KIND, ALL EXISTING PLANT MATERIALS DAMAGED DURING THE COURSE OF WORK, AS DETERMINED BY THE LANDSCAPE ARCHITECT.

COLLECTED PLANTS WILL BE ACCEPTED ONLY FOR PINON PINE, 4'-6' AND ONE SEED JUNIPERS. COLLECTED PLANTS MUST MEET ALL SPECIFICATIONS FOR ACCEPTANCE.

BOULDERS SHALL BE RELOCATED FROM ON SITE, AS DIRECTED BY THE LANDSCAPE ARCHITECT.

TREE STAKING SHALL BE PERFORMED AS AN OPTION FOR EVERGREEN TREES ONLY, AT THE DISCRETION OF THE CONTRACTOR OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

✳ PLANT MATERIALS DENOTED WITH THIS SYMBOL SHALL BE INSTALLED IN EQUAL QUANTITIES ACCORDING TO SIZE. FOR EXAMPLE, IF THE TOTAL QUANTITY IS 10 AT 4'-6'HT, 5 SHALL BE 4'HT AND 5 SHALL BE 6'HT.

✳✳ PLANTS DENOTED WITH THIS SYMBOL SHALL BE PLANTED AFTER THE DATE OF APRIL 15, 1995.

26 4882.9019944

HIGH DESERT

NORTH

0 10 20 40

SCALE: 1" = 20'-0"

BHI JOB NO: 94140.03

SCANNED BY BY LASON

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

PROFESSIONAL SEAL

9-16-94

OMIT SHEET 19 AND REPLACE WITH SHEET 19A

NO. DATE REMARKS BY
REVISIONS
DESIGN
DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GRAD,TAG DATE: 9/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

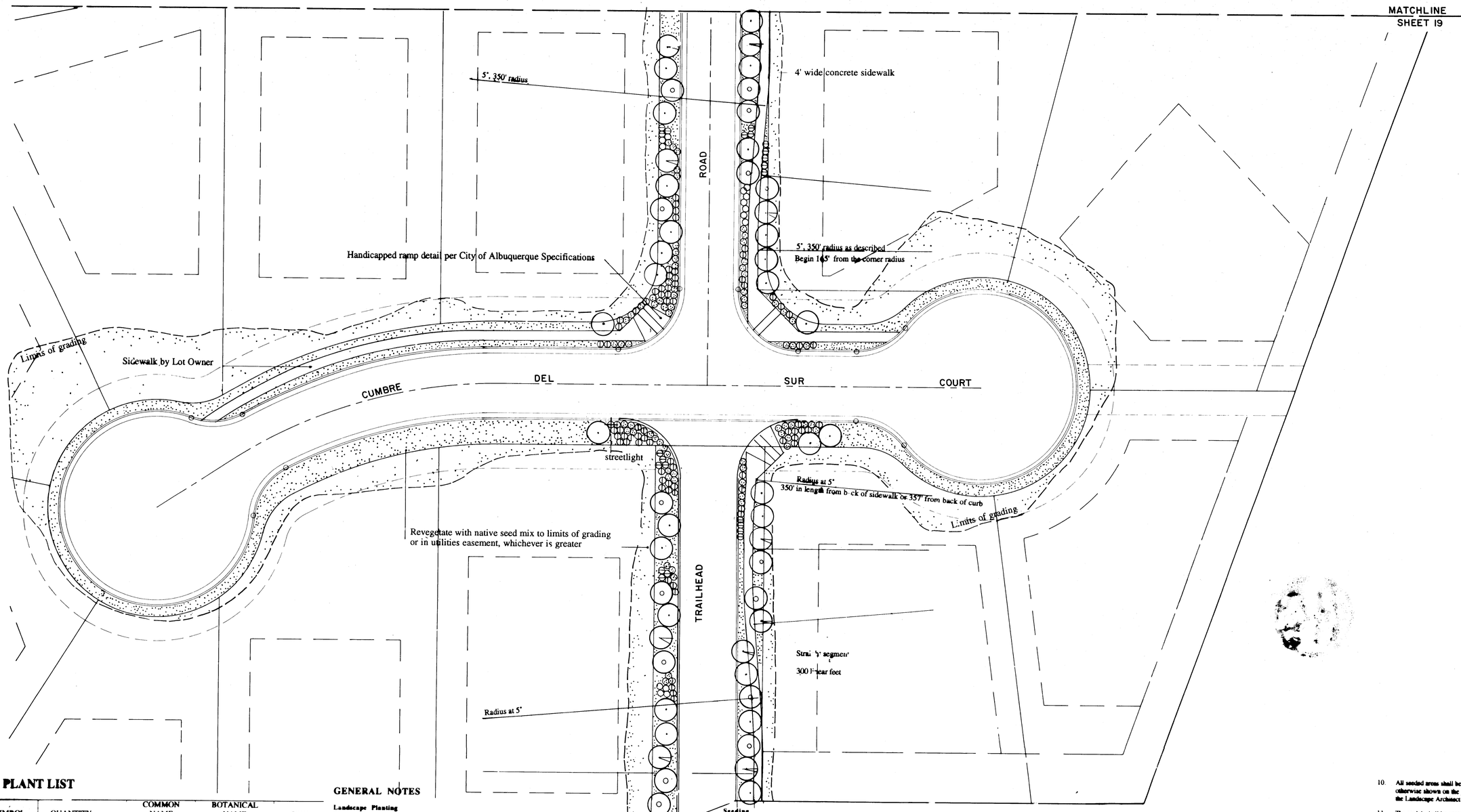
TITLE: TRAILHEAD SUBDIVISION
PLANTING PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 19A OF 25

FILENAME: PLBASE.DWG

LARCH




| F.H.W.A. Region No. | | | SHEET NO. | TOTAL |
|---|---|---|---|---|
| | NEW MEXICO | | | |

## PLANT LIST

| SYMBOL | QUANTITY Sht 1 | Sht 2 | Sht 3 | Total | COMMON NAME | BOTANICAL NAME | SIZE |
|---|---|---|---|---|---|---|---|
| TREES | | | | | | | |
| | 44 | 27 | 28 | 99 | Pinon pine | Pinus edulis | b&b 4'-6' ht. |
| | 16 | 12 | 10 | 38 | One seed juniper | Juniperus monosperma | 5 gal. |
| | 11 | 8 | 15 | 34 | Mountain mahogany | Celocarpus montanus | b&b 4'-6' ht. |
| Total | | | | 171 | | | |
| SHRUBS | | | | | | | |
| | | 25 | 14 | 39 | Apache plume | Fallugia paradoxa | 5 gal |
| | | 219 | 216 | 435 | Sand penstemon | Penstemon ambiguus | 1 gal |
| | | 31 | 22 | 53 | Chamisa | Chrysothamnus nauseosus | 5 gal |
| | | 252 | 219 | 471 | Prairie sage | Artemisia ludoviciana | 1 gal |
| Total | | | | 852 | | | |
| [illegible] | | | | | See Notes | | |
| GRASS MIX | | | | | | | |

## GENERAL NOTES

### Landscape Planting

1. Surface shall be raked free of stones and extraneous materials and debris to a smooth and even texture. All extraneous matter will be disposed of by landscape contractor.
2. All plants shall be placed in location as specified except for minor adjustments made necessary by underground obstructions or other unforeseen causes.
3. A complete list of plants, including a schedule of quantities, sizes and other requirements is shown on the Drawings. In the event that discrepancies occur between the quantities of plants indicated in the plan list and as indicated on the plan, the plant quantities indicated on the plan shall govern.
4. Substitutions shall not be made unless specified landscape material is not obtainable. Substitutions shall be made only if non-availability is proven to Landscape Architect or Owner.
5. All plants shall be typical of their species or variety. All plants shall have normal, well developed branches and vigorous root systems.
6. Delivery of all plants shall be done with utmost care to insure adequate protection against injury. Do not bend or bind the trees and shrubs in such a manner to damage bark, break branches or destroy natural shape.
7. Balled and burlapped plant material shall have a solid ball of earth of minimum specified size held in place securely by burlap and a stout twine or rope and/or wire baskets.
8. Soil amendments shall be Soil Builder by Western Organic and applied 2" deep over planting area and well mixed with top 4" of on-site backfill material.
9. All planting and backfilling shall be performed in accordance with accepted nursery practice, the plan detail shown and as specified.
10. The landscape contractor shall assume the responsibility of maintenance of the landscape including weeding, watering, cultivating and repairation of the irrigation system for a period of 2 years (24 months). The landscape contractor shall guarantee the trees and shrubs to remain alive and healthy for a period of two full years (24 months) beginning on the date of final contract acceptance.

### Seeding

1. All soil/slopes which have been completed prior to the seeding season shall be seeded immediately after the opening of the current seeding season.
2. The seeding season shall be from June 1 to August 15. Seeding may take place from March 31 to June 1, or from August 15 to October 15, but seed quantities shall be increased by 25% (PLS per square foot). No seeding shall take place from October 15 to March 31.
3. All areas disturbed by earthwork operations, including utility lines and drainage improvements, shall be reclaimed by drill seeding, mulched, and disced with a mush disc to the following seeding schedule and mixed to the proportions by weight, and be pure live seed:

| Seed | PLS Per Acre |
|---|---|
| 'Hachita' Blue Grama 40% | 1 lb. |
| 'Vaughn' Side Oats Grama 20% | 1 lb. |
| *'Paloma' Indian Rice Grass 20% | 1.20 lbs. |
| 'Viva' Galleta 20% | 1.20 lbs. |
| 'Bandera' Penstemon | 1/2 lb. |
| 'Lewis' Blue Flax | 1/2 lb. |

*Indian Rice Grass shall be drill seeded first. It shall be drill seeded to a depth of 1-1/2"-2".

4. The prescribed mix and rate shall be uniformly applied over the area to be seeded. Alternate seed blends may be substituted only if specified on the plans or approved by the Landscape Architect.
5. The seed bed shall be prepared to a minimum depth of 4 inches tilling with a disc, harrow, or chiseling tools. All competitive vegetation shall be uprooted during seed bed preparation and the soil shall be uniformly worked to a smooth firm surface free of clods, and 4" or larger stones or other foreign material that would interfere with seeding, equipment or operation.
6. Tillage shall be performed across the slope when practical.
7. No work shall be done when the moisture content of the soil is unfavorable or the ground is otherwise in a non-tillable condition.
8. The seeds will be broadcast by a mechanical spreader at a rate as specified on the plans. Seed shall be compacted to a maximum depth of 1/4" depth and no more than 1/2 of an inch.
9. Hay Mulch. Perennial native or introduced grasses of fine-stemmed varieties shall be used unless otherwise specified on the plans.
10. All seeded areas shall be mulched unless otherwise shown on the plans or directed by the Landscape Architect to a depth of 1".
11. The mulch shall be spread uniformly over the area either by hand or with a mechanical mulch spreader.
12. Straw or hay shall be wetted down and allowed to soften for 15-30 minutes prior to crimping. Mulch shall be crimped to a minimum depth of 2".
13. All seeding shall follow City of Albuquerque Specifications for Public Works unless otherwise specified by the Landscape Architect.


LANDPLANNER
LANDSCAPE ARCHITECT
*Design Workshop Inc.*
*1201 East Main Street*
*Aspen, CO 81612*
*303 925 8354*

ENGINEER
*Bohannon-Huston Inc.*
*Courtyard 1*
*7500 Jefferson NE*
*Albuquerque, NM 87109*
*505 823 1000*

OWNER
*High Desert Investment Corp.*
*PO Box 91976*
*Albuquerque, NM 87199*
*505 825 9360*


North

0 10' 20' 40'
Scale: 1": 20'-0"

26 4882.902094

HIGH DESERT

SCANNED BY
BY LASON

Note: Site and roadway layout information provided by Bohannon-Huston, Inc., Engineers 2/14/94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY
DRAWN BY
CHECKED BY
DATE
DATE March 7 '94
DATE

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEERS SEAL
4-28-94

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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 DRIVE. ELEVATION = 6009.155'

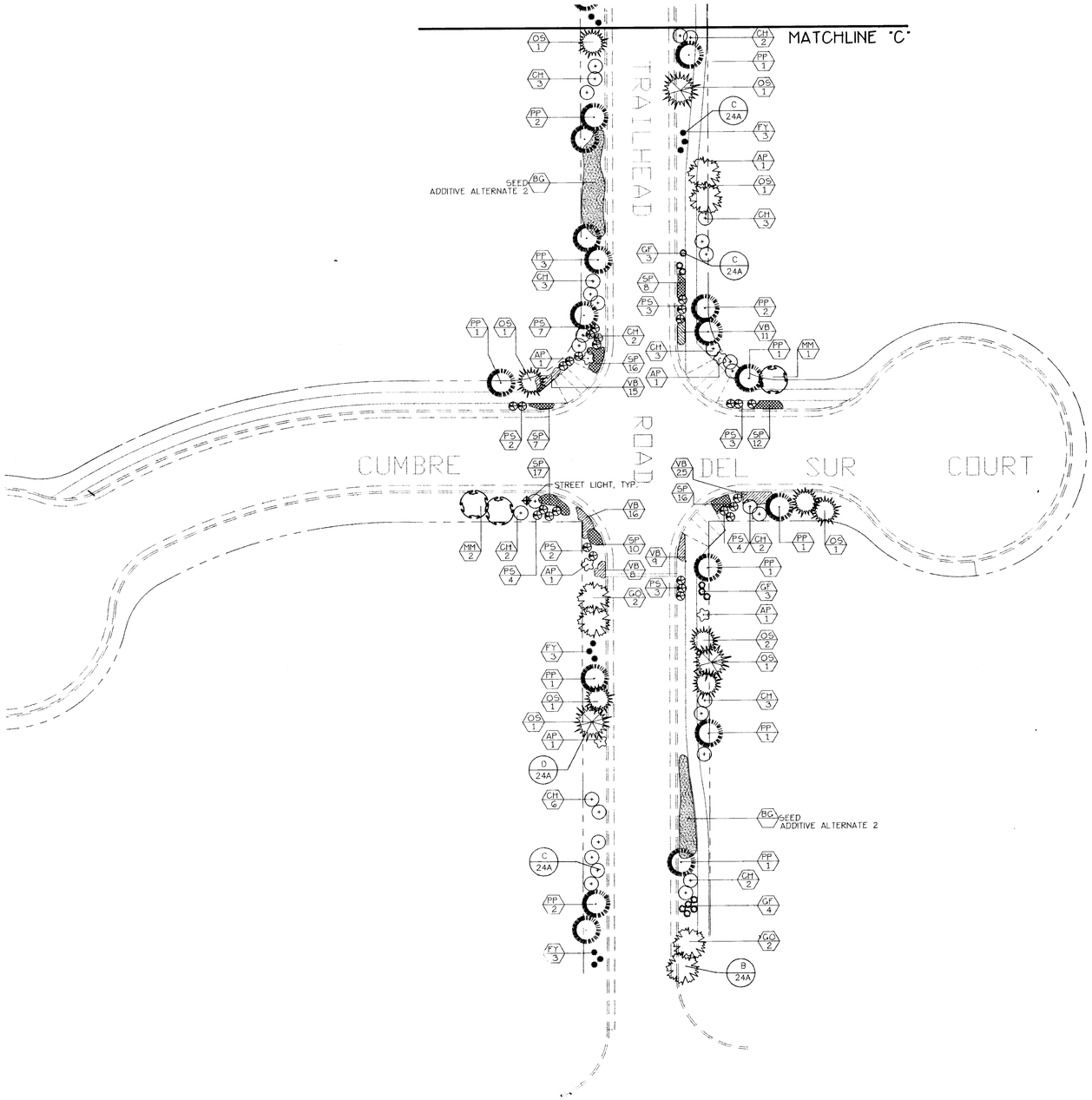
AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
REVISIONS PLOTTED BY DATE
FIELD VERIFIED BY DATE
RECORDED BY DATE
RECORDED BY DATE
NO.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE
HIGH DESERT TRAILHEAD
LANDSCAPE PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| ~~Chairman~~ | B.G.A. | 4/26/94 | Liquid Waste | N/A RWK | 4-1-94 |
| ~~ACE-Design~~ | | | Traffic | N/A | 4-01-94 |
| ~~ACE-Hydrology~~ | N/A | 4/13/94 | Water | N/A RWK | 4-1-94 |
| JWKS | N/A DS | 4-22-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 20 | 25 |




## PLANT LIST

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SIZE | REMARKS |
|---|---|---|---|---|---|
| TREES | | | | | |
| PP | Pinus edulis | PINON PINE | 17 | 5'-7'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 3 | 4'-6'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 8 | 1'-2'HT | 5 gal. |
| DW | Chilopsis linearis | DESERT WILLOW | 0 | 4'-6'HT | 15 gal. |
| GO | Quercus gambelii | GAMBEL OAK | 4 | 10'HT | B&B CLUMPS |
| MM | Cercocarpus montanus | MOUNTAIN MAHOGANY | 3 | 4'-6'HT | B&B ✳ |
| SHRUBS | | | | | |
| CH | Chrysothamnus nauseosus | CHAMISA | 31 | 5 gal. | |
| SB | Atriplex canescens | FOUR WING SALTBUSH | 0 | 5 gal. | |
| AP | Fallugia paradoxa | APACHE PLUME | 6 | 5 gal. | |
| GROUND COVERS AND VINES | | | | | |
| PS | Artemisia ludoviciana | PRAIRIE SAGE | 28 | 1 gal. | |
| GF | Liatris punctata | GAYFEATHER | 11 | 1 gal. | |
| FY | Hesperaloe parviflora | RED FLOWERING YUCCA | 10 | 1 gal. | |
| BW ✳✳ | Asclepias tuberosa | BUTTERFLYWEED | 0 | 1 quart | 18" o.c. |
| PR ✳✳ | Petalostemum purpureum* | PURPLE PRAIRIE CLOVER | 0 | 1 quart | 18" o.c. |
| MH ✳✳ | Ratibida columnifera* | YELLOW MEXICAN HAT | 0 | 1 quart | 18" o.c. |
| PT ✳✳ | Psilostrophe tagetina | PAPERFLOWER | 0 | 1 quart | 18" o.c. |
| VC | Parthenocissus inserta | WOODBINE | 0 | 1 gal. | |
| SP ✳✳ | Penstemon ambiguus | SAND PENSTEMON | 78 | 1 quart | 18" o.c. |
| VB ✳✳ | Abronia villosa | SAND VERBENA | 76 | 1 quart | 18" o.c. |

* NOTE: PURPLE PRAIRIE CLOVER AND YELLOW MEXICAN HAT SHALL BE PLANTED INTERMIXED IN EQUAL QUANTITIES.

## ADDITIVE ALTERNATE 1 PLANT LIST

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SIZE | REMARKS |
|---|---|---|---|---|---|
| TREES | | | | | |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 0 | 4'-6'HT | B&B ✳ |
| OS | Juniperus monosperma | ONE-SEED JUNIPER | 0 | 1'-2'HT | 5 gal. |
| PP | Pinus edulis | PINON PINE | 0 | 5'-7'HT | B&B ✳ |
| DW | Chilopsis linearis | DESERT WILLOW | 0 | 4'-6'HT | 15 gal. |
| MM | Cercocarpus montanus | MOUNTAIN MAHOGANY | 0 | 4'-6'HT | B&B ✳ |
| SHRUBS | | | | | |
| SB | Atriplex canescens | FOUR WING SALTBUSH | 0 | 5 gal. | |
| AP | Fallugia paradoxa | APACHE PLUME | 0 | 5 gal. | |

## ADDITIVE ALTERNATE 2 NATIVE GRASS SEEDING

| SYM | BOTANICAL NAME | COMMON NAME | QTY | SEEDING RATE |
|---|---|---|---|---|
| BG | Bouteloua gracilis | BLUE GRAMA GRASS | 398 SF. | 4 LBS PER 1000 SF. |

## PLANTING NOTES

PLANT LOCATIONS MAY NEED TO BE ADJUSTED IN THE FIELD IF ADD ALTERNATES ARE NOT ACCEPTED. NO ADDITIONAL QUANTITIES SHALL BE ADDED. TREES SHALL BE LOCATED NO LESS THAN 3 FEET FROM THE BACK OF THE CURB.

MULCH SHALL BE INSTALLED AROUND ALL PLANT MATERIALS AS PER THE PLANTING DETAILS.

CONTRACTOR SHALL USE CARE IN PERFORMING ALL WORK SPECIFIED TO PROTECT EXISTING UNDISTURBED PLANT MATERIALS. CONTRACTOR SHALL REPLACE IN KIND, ALL EXISTING PLANT MATERIALS DAMAGED DURING THE COURSE OF WORK, AS DETERMINED BY THE LANDSCAPE ARCHITECT.

COLLECTED PLANTS WILL BE ACCEPTED ONLY FOR PINON PINE, 4'-6' AND ONE SEED JUNIPERS. COLLECTED PLANTS MUST MEET ALL SPECIFICATIONS FOR ACCEPTANCE.

BOULDERS SHALL BE RELOCATED FROM ON SITE, AS DIRECTED BY THE LANDSCAPE ARCHITECT.

TREE STAKING SHALL BE PERFORMED AS AN OPTION FOR EVERGREEN TREES ONLY, AT THE DISCRETION OF THE CONTRACTOR OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

✳ PLANT MATERIALS DENOTED WITH THIS SYMBOL SHALL BE INSTALLED IN EQUAL QUANTITIES ACCORDING TO SIZE. FOR EXAMPLE, IF THE TOTAL QUANTITY IS 10 AT 4'-6'HT, 5 SHALL BE 4'HT AND 5 SHALL BE 6'HT.

✳✳ PLANTS DENOTED WITH THIS SYMBOL SHALL BE PLANTED AFTER THE DATE OF APRIL 15, 1995.

26 4882.902094A

HIGH DESERT

NORTH

0 10 20 40

SCALE: 1" = 20'-0"

SCANNED BY: LASON

BHI JOB NO. 94140.03

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

PROFESSIONAL SEAL
9-16-94

OMIT SHEET 20 AND REPLACE WITH SHEET 20A

NO. DATE REMARKS BY
REVISIONS
DESIGN
DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GRAD,TAG DATE: 9/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: TRAILHEAD SUBDIVISION
PLANTING PLAN

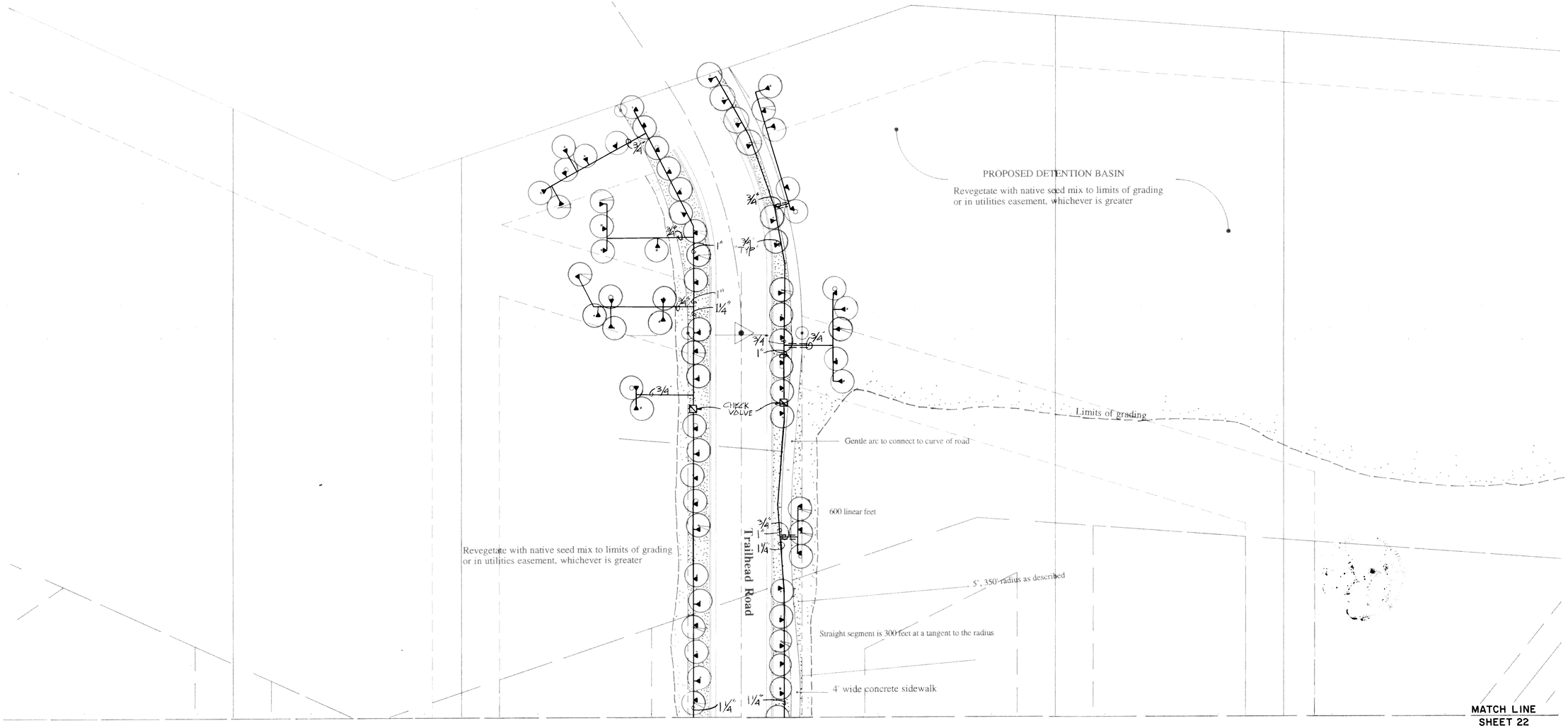
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882.90 MAP NO. F-23 SHEET 20A OF 25

FILENAME: PLBASE.DWG

LARCH

| F.H.W.A. Region No. | NEW MEXICO | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|




Note: Site and roadway layout information provided by Bohanon-Huston, Inc., Engineers 2/14/94

**IRRIGATION PARTS LIST**

| SYMBOL | DESCRIPTION | MODEL | NOTES |
|---|---|---|---|
| C | RAIN MASTER CONTROLLER W/STAINLESS STEEL ENCLOSURE | EVS 12-SAT-PED-SS-T | |
| M | NEPTUNE TRIDENT TURBINE 1" WATER METER | | |
| | RAINBIRD MASTER VALVE 1" FEBCO BACKFLOW PREVENTION ASSEMBLY WITH STRONG BOX ENCLOSURE | 1" PEB-PRS-B<br>1" PVB, 765<br>SBBC-40ALHP | SEE DETAIL A/24 |
| A | CRISPIN UNIVERSAL AIR RELEASE VALVE ASSEMBLY | UL 10.0-1" | SEE DETAIL A/25 |
| | CHAMPION MANUAL DRAIN ASSEMBLY | 100RS-100 | SEE DETAIL B/25 |
| | 1" RAINBIRD PRESSURE COMPENSATING CONTROL VALVE ASSEMBLY | PEB-PRS-B | SEE DETAIL B/24 |
| | 1" RAINBIRD PRESSURE REGULATING DRIP CONTROL VALVE ASSEMBLY, WITH INLINE PRESSURE REDUCER AND WYE FILTER | PEB-PRS-B<br>PSI-M30X<br>RBY-100-150MX | SEE DETAIL C/24 |

**IRRIGATION PARTS LIST**

| SYMBOL | DESCRIPTION | MODEL | NOTES |
|---|---|---|---|
| ▲ | TORO POP-UP BUBBLER ASSEMBLY | 570Z-3P BODY WITH FB-50-PC NOZZLE | SEE DETAIL C/25 |
| ■ | RAINBIRD MULTI OUTLET EMITTER IN SUBTERRANEAN EMITTER BOX | XBD-81<br>8 EMITTERS IN SEB-6X | TWO 1 GPH EMITTERS PER SHRUB<br>SEE DETAIL D/25 |
| □ | RAINBIRD MULTI OUTLET EMITTER IN SUBTERRANEAN EMITTER BOX | XBT-10-6<br>6 EMITTERS IN SEB-6X | TWO 1 GPH EMITTERS PER SHRUB<br>SEE DETAIL D/25 |
| | MAINLINE SCH 40 PVC | - | 28" DEPTH OF BURY |
| | LATERAL SCH 40 PVC | - | 18" DEPTH OF BURY |
| | SLEEVE SCH 40 PVC | - | SEE DETAIL SHEET D/24 |
| P | RAINBIRD INLINE PRESSURE REGULATOR | PSI-M30X | SEE DETAIL SHEET E/25 |
| | SLO CHECK VALVE | 1011 | SIZE SHALL BE SAME AS LATERAL PIPE. INSTALL IN BROOKS 2200 SERIES BOX WITH BOLT DOWN COVER AND ONE 8" EXTENSION. |
| | RAINBIRD PRESSURE HOSE GAUGE | PHG KIT | MAINTAIN INLET PRESSURE FOR ALL VALVES BELOW 80 PSI. PROVIDE PART TO OWNER. |

**GENERAL IRRIGATION NOTES**

1. IRRIGATION LINES AS SHOWN ARE SCHEMATIC. LINES SHOWN UNDER PAVED AREAS FOR READABILITY ONLY. ALL IRRIGATION LINES SHALL RUN FROM PLANTER TO PLANTER, OR ISLAND TO ISLAND AS APPLICABLE.
2. ALL IRRIGATION LINES UNDER PAVEMENT SHALL BE SLEEVED WITH SCH 40 PVC. SLEEVE SHALL BE SIZED TWO SIZES LARGER THAN THE PIPE, ONE PIPE PER SLEEVE, MAXIMUM.
3. ALL CONTROLLER WIRING UNDER PAVEMENT SHALL BE SLEEVED WITH 2" SCH 40 PVC. CONTROLLER STATIONS SHALL BE WIRED AS PER VALVE LEGEND.
4. CONTRACTOR SHALL EXTEND 12--VOLT A.C. FROM EXISTING POWER TO PROPOSED CONTROLLER LOCATION. ALL ELECTRICAL WORK SHALL BE PER LOCAL WORK CODES AND N.E.C. STANDARDS.

VALVE LEGEND

VALVE AND STATION NO.
HEAD TYPE
VALVE SIZE
TOTAL GPM

26 4882.902194


LAND PLANNER
LANDSCAPE ARCHITECT
*Design Workshop Inc.*
*120 East Main Street*
*Aspen, CO 81612*
*303 925 8354*

ENGINEER
*Bohannon-Huston Inc.*
*Courtyard I*
*7500 Jefferson NE*
*Albuquerque, NM 87109*
*505 823 1000*

OWNER
*High Desert Investment Corp.*
*PO Box 91976*
*Albuquerque, NM 87199*
*505 825 9360*


North

0 10' 20' 40'

Scale: 1": 20'-0"

HIGH DESERT

SCANNED BY BY LASON

**AS-BUILT INFORMATION**

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

**MICROFILM INFORMATION**

| | |
|---|---|
| RECORDED BY | DATE |
| NO. | |

**BENCH MARKS**

STATION IS A STANDARD USC&GS BRASS 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 DRIVE.

ELEVATION = 6009.155'

**SURVEY INFORMATION**

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEERS SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

REVISIONS

DESIGN

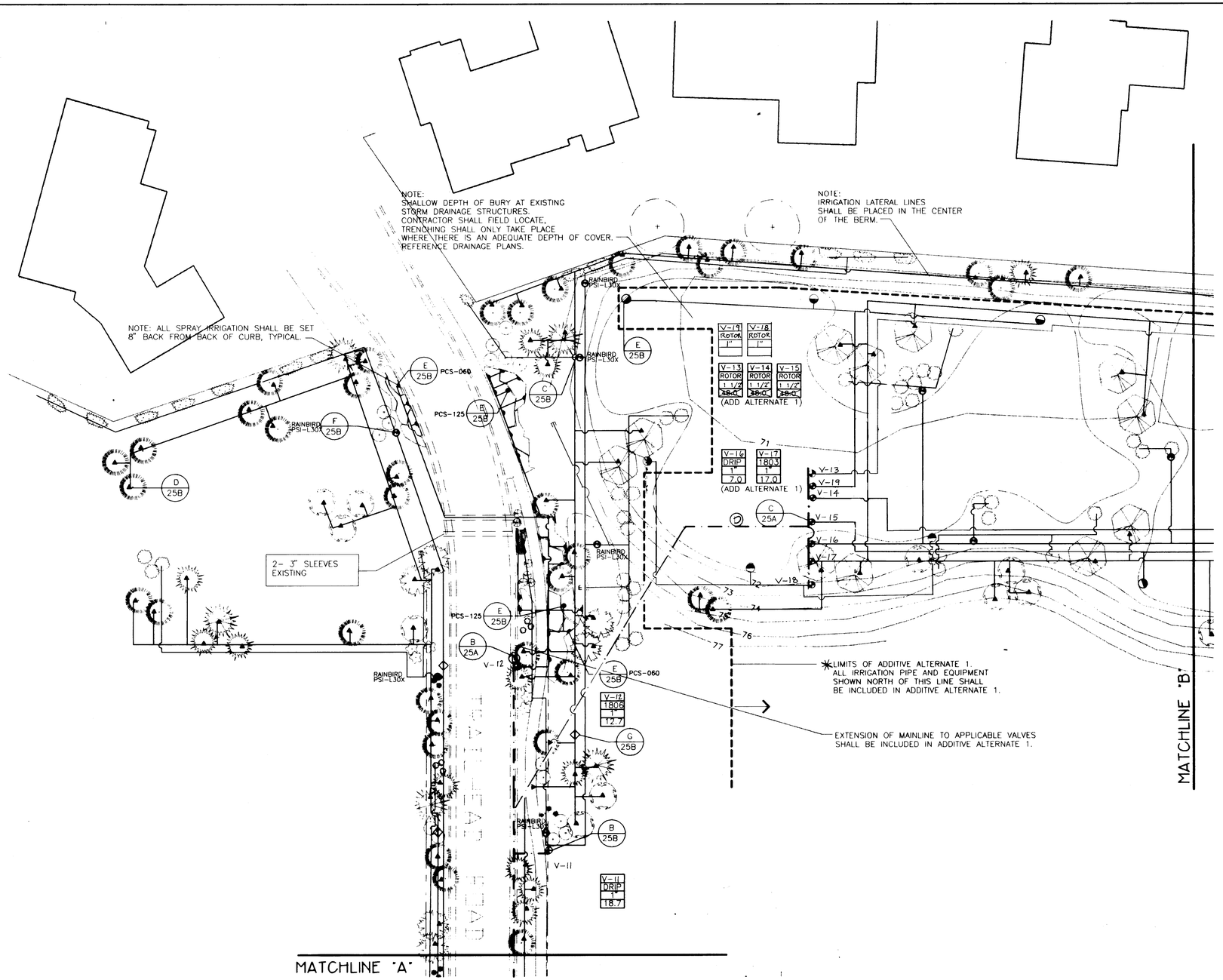
| | | |
|---|---|---|
| DESIGNED BY | | DATE |
| DRAWN BY | SJR | DATE March 1994 |
| CHECKED BY | | DATE |

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE **HIGH DESERT TRAILHEAD IRRIGATION PLAN**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| ~~Chairman Dev. Engineer~~ | J.J.B. | 4/26/94 | Liquid Waste | N/A RWK | 4-1-94 |
| ~~ACE - Design~~ | | | Traffic | N/A RWD | 4-21-94 |
| ~~ACE~~ - Hydrology | N/A RWD | 4/13/94 | Water | N/A RWK | 4-1-94 |
| Parks | N/A DS | 4-22-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 21 | 25 |




## LEGEND

| SYMBOL | DESCRIPTION | MODEL | NOTES |
|---|---|---|---|
| | SOLATROL ~~RAINMASTER~~ CONTROLLER ~~W/STAINLESS STEEL ENCLOSURE~~ | LEIT-8000-2, XKIT 8712 ~~EVS-12-SAI-PED-SS-T~~ | |
| M | METER | 1" ~~1 1/2"~~ TURBINE | EXISTING |
| | MASTER VALVE-RAINBIRD | 150 ~~100~~ PEB-PRS-B | (1 1/2" W/ ADD ALT 1.) |
| | FEBCO PVB | 765 ~~X~~ 1 1/2" | (1 1/2" W/ ADD ALT 1.) |
| D | CHAMPION MANUAL DRAIN | 100RS-100 | SIZE AS PER PLAN |
| | RAINBIRD PRESSURE COMPENSATING CONTROL VALVE | PEB-PRS-B | SIZE AS PER PLAN OUTLET: 70 PSI MAX. |
| | RAINBIRD PRESSURE COMPENSATING CONTROL VALVE AND WYE FILTER | PEB-PRS-B RBY-100-150MX | SIZE AS PER PLAN OUTLET: 70 PSI MAX. |
| | RAINBIRD INLINE PRESSURE REGULATOR | PSI-M30X PSI-L30X | SEE PLAN SEE PLAN |
| | SLO CHECK VALVE | 1011 | SAME SIZE AS LATERAL PIPE |
| | HARDIE E-Z ~~RAINBIRD XERICATION~~ EMITTER ON RAINTUBE 1/2" | DBK04 1.0 ~~PC-05~~ ~~5~~ GPH | SEE EMITTER SCH. |
| | TUBING | ~~PC-10~~ ~~10~~ GPH DBK08 2.0 | SEE EMITTER SCH. |
| | RAINBIRD POP UP BUBBLER | 1803-5H-B-PCS-040 | .4 GPM |
| | HUNTER ROTOR SPRINKLER | I-25 5 NOZZLE | 9.6 GPM |
| | RAINBIRD POP UP SPRAY | 1806 12H PCS NOZZLE | SEE PLAN FOR SCREEN SIZE |
| | RAINBIRD POP UP SPRAY | 1806 12F PCS NOZZLE | |
| | MAINLINE SCH 40 PVC | -- | SIZE AS PER PLAN |
| | LATERAL SCH 40 PVC | -- | SIZE AS PER PLAN |
| | SLEEVE | EXISTING WHERE NOTED | SIZE AS PER PLAN |

## IRRIGATION NOTES

1. IRRIGATION PLANS ARE SCHEMATIC. VALVE BOX LOCATIONS SHALL BE GROUPED IN AN UNOBTRUSIVE MANNER OR AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
2. IRRIGATION LINES ARE SCHEMATIC. LINES MAY BE SHOWN UNDER PAVED AREAS FOR READABILITY. ALL IRRIGATION LINES SHALL RUN FROM PLANTER TO PLANTER, AS APPLICABLE. ALL IRRIGATION SHALL BE INSTALLED WITHIN STREET RIGHT-OF-WAYS.
3. ALL CONTROLLER WIRING UNDER PAVEMENT SHALL BE SLEEVED WITH EXISTING 1 1/2" SCH 40 PVC. CONTROLLER STATIONS SHALL BE WIRED AS PER VALVE LEGEND.
4. DEPTH OF BURY SHALL BE 28" TO 30" FOR CONSTANT PRESSURE MAINLINE. 18" TO 20" FOR MAINLINE DOWNSTREAM OF THE MASTERVALVE, AND 18" TO 20" FOR ALL LATERAL LINES.
5. MANUAL DRAINS ARE TO BE FIELD LOCATED AND INSTALLED AT END POINTS OR LOW POINTS IN THE MAINLINE AS DETERMINED BY FIELD SURVEY.
6. ALL TESTING GAUGES AND VALVES AS INSTALLED SHALL BE LABELED AS PER VALVE STATIONS AS SHOWN ON THESE PLANS.
7. VALVE BOXES SHALL BE INSTALLED IN PLACE PRIOR TO ANY PRESSURE TESTING TO ENSURE PROPER GRADING.
8. EXISTING SLEEVE LOCATIONS AS SHOWN ARE SCHEMATIC. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING SLEEVES.
9. CONTRACTOR SHALL SIZE AND INSTALL ALL MAINLINE AND LATERAL PIPES AS PER PIPE SIZING CHART. ALL PIPE SIZING SHALL BE SUBMITTED TO AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. SEE PLANS.
10. SEE SHEETS 25A AND 25B FOR IRRIGATION DETAILS AND ADDITIONAL NOTES.

## PIPE SIZING CHART

ALL MAINLINE AND LATERALS SHALL BE SHEDULE 40 PVC, SIZED AS INDICATED BELOW:

| MAXIMUM DEMAND | PIPE SIZE |
|---|---|
| UP TO 8.0 GPM | 3/4" |
| 8.0 TO 12.0 GPM | 1" |
| 12.0 TO 22.0 GPM | 1 1/4" |
| 22.0 TO 38.0 GPM | 1 1/2" |
| 38.0 TO 50 GPM | 2" |

## EMITTER SCHEDULE

EMITTERS SHALL BE INSTALLED TO SERVICE PLANTS SPECIFICALLY BY SPECIES, 2 PER PLANT, AS SHOWN BELOW:

| MODEL | SHRUBS |
|---|---|
| ~~PC-10~~ DBK08 | WOODBINE<br>GAYFEATHER<br>RED YUCCA |
| ~~PC-05~~ DBK04 | FOURWING SALTBUSH<br>CHAMISA<br>APACHE PLUME<br>PRAIRIE SAGE |

## UTILITY NOTES

1. ELECTRICAL SERVICE SHALL BE PROVIDED FOR FOR THE IRRIGATION CONTROLLER. POWER SHALL BE OBTAINED FROM AN EXISTING TRANSFORMER. SEE PLAN FOR LOCATION.

## VALVE LEGEND

VALVE AND STATION NO.
HEAD TYPE
VALVE SIZE
TOTAL GPM

RECORD DRAWINGS
DATE 2-13-95

26 4882.90 2194 14 15 A

HIGH DESERT

NORTH
0 10 20 40
SCALE: 1" = 20'-0"

SCANNED BY BY LASON

BHI JOB NO. 94140.03

AS BUILT INFORMATION
CONTRACTOR HCXP UP DATE: 12-4-95
WORK STAKED BY TUBLE ECCO DATE: 12-4-95
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE: 12-4-95
DRAWING CORRECTED BY J.P. DATE: 12-4-95
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV =6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

PROFESSIONAL SEAL
9-16-94

OMIT SHEET 21 AND REPLACE WITH SHEETS 21A AND B

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GRAD, TAG DATE: 9/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

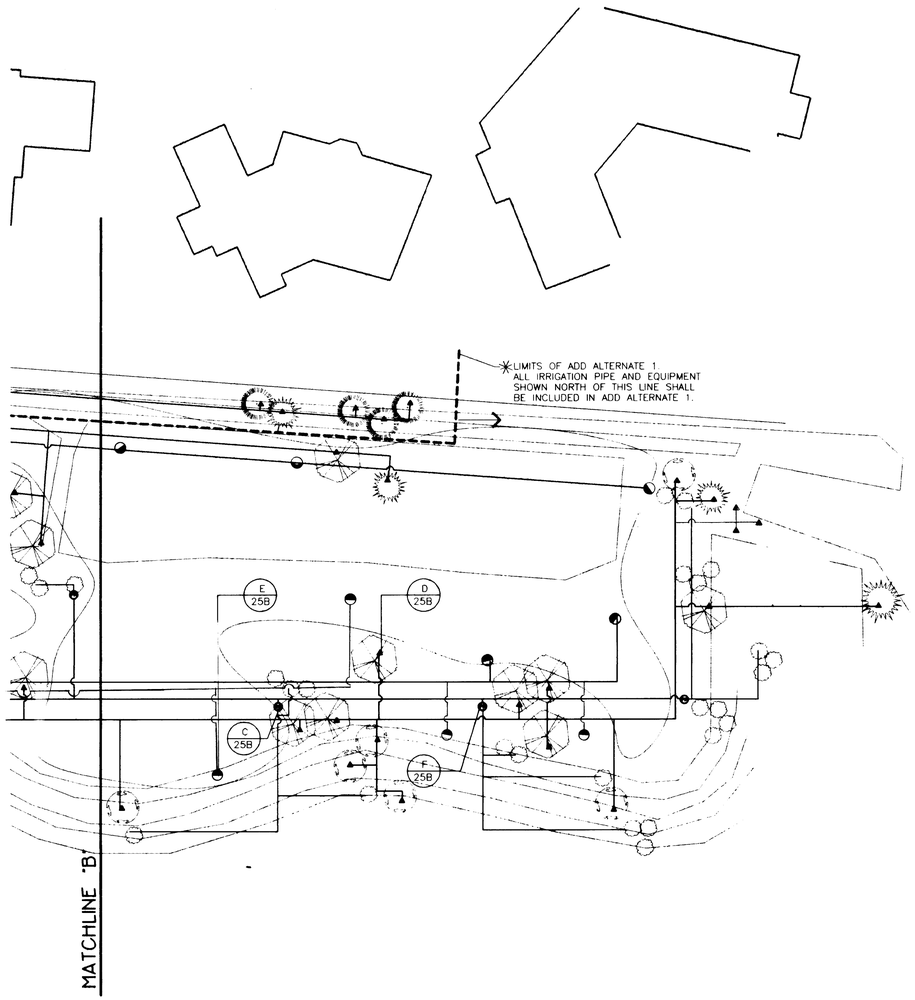
TITLE: TRAILHEAD SUBDIVISION IRRIGATION PLANS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 21A OF 25

FILENAME: PLBASE.DWG

LARCH




## LEGEND

| SYMBOL | DESCRIPTION | MODEL | NOTES |
|---|---|---|---|
| | SOLATROL ~~RAINMASTER~~ CONTROLLER ~~W/STAINLESS STEEL ENCLOSURE~~ | LEIT-8000-2, X KIT 8712 ~~EVS-12-SAT-PED-SS-1~~ | |
| M | METER | 1" ~~1 1/2"~~ TURBINE | EXISTING |
| | MASTER VALVE-RAINBIRD | ~~100~~ 150 PEB-PRS-B | (1 1/2" W/ ADD ALT 1.) |
| | FEBCO PVB | 765 ~~X~~ 1 1/2" | (1 1/2" W/ ADD ALT 1.) |
| D | CHAMPION MANUAL DRAIN | 100RS-100 | SIZE AS PER PLAN |
| | RAINBIRD PRESSURE COMPENSATING CONTROL VALVE | PEB-PRS-B | SIZE AS PER PLAN OUTLET: 70 PSI MAX. |
| | RAINBIRD PRESSURE COMPENSATING CONTROL VALVE AND WYE FILTER | PEB-PRS-B RBY-100-150MX | SIZE AS PER PLAN OUTLET: 70 PSI MAX. |
| | RAINBIRD INLINE PRESSURE REGULATOR | PSI-M30X PSI-L30X | SEE PLAN SEE PLAN |
| | SLO CHECK VALVE | 1011 | SAME SIZE AS LATERAL PIPE |
| | HARDIE E-Z, ~~RAINBIRD XERIGATION~~ EMITTER ON RAINTUBE 1/2" TUBING | ~~DBK04~~ 1.0 ~~PC-05~~ ~~.5~~ GPH ~~PC-10~~ ~~1.0~~ GPH DBK08 2 | SEE EMITTER SCH. SEE EMITTER SCH. |
| | RAINBIRD POP UP BUBBLER | 1803-5H-B-PCS-040 | .4 GPM |
| | HUNTER ROTOR SPRINKLER | I-25 5 NOZZLE | 9.6 GPM |
| | RAINBIRD POP UP SPRAY | 1806 12H PCS NOZZLE | SEE PLAN FOR SCREEN SIZE |
| | RAINBIRD POP UP SPRAY | 1806 12F PCS NOZZLE | |
| | MAINLINE SCH 40 PVC | -- | SIZE AS PER PLAN |
| | LATERAL SCH 40 PVC | -- | SIZE AS PER PLAN |
| | SLEEVE | EXISTING WHERE NOTED | SIZE AS PER PLAN |

## IRRIGATION NOTES

1. IRRIGATION PLANS ARE SCHEMATIC. VALVE BOX LOCATIONS SHALL BE GROUPED IN AN UNOBTRUSIVE MANNER OR AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
2. IRRIGATION LINES ARE SCHEMATIC. LINES MAY BE SHOWN UNDER PAVED AREAS FOR READABILITY. ALL IRRIGATION LINES SHALL RUN FROM PLANTER TO PLANTER, AS APPLICABLE. ALL IRRIGATION SHALL BE INSTALLED WITHIN STREET RIGHT-OF-WAYS.
3. ALL CONTROLLER WIRING UNDER PAVEMENT SHALL BE SLEEVED WITH EXISTING 1 1/2" SCH 40 PVC. CONTROLLER STATIONS SHALL BE WIRED AS PER VALVE LEGEND.
4. DEPTH OF BURY SHALL BE 28" TO 30" FOR CONSTANT PRESSURE MAINLINE. 18" TO 20" FOR MAINLINE DOWNSTREAM OF THE MASTERVALVE, AND 18" TO 20" FOR ALL LATERAL LINES.
5. MANUAL DRAINS ARE TO BE FIELD LOCATED AND INSTALLED AT END POINTS OR LOW POINTS IN THE MAINLINE AS DETERMINED BY FIELD SURVEY.
6. ALL TESTING GAUGES AND VALVES AS INSTALLED SHALL BE LABELED AS PER VALVE STATIONS AS SHOWN ON THESE PLANS.
7. VALVE BOXES SHALL BE INSTALLED IN PLACE PRIOR TO ANY PRESSURE TESTING TO ENSURE PROPER GRADING.
8. EXISTING SLEEVE LOCATIONS AS SHOWN ARE SCHEMATIC. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING SLEEVES.
9. CONTRACTOR SHALL SIZE AND INSTALL ALL MAINLINE AND LATERAL PIPES AS PER PIPE SIZING CHART. ALL PIPE SIZING SHALL BE SUBMITTED TO AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. SEE PLANS.
10. SEE SHEETS 25A AND 25B FOR IRRIGATION DETAILS AND ADDITIONAL NOTES.

## PIPE SIZING CHART

ALL MAINLINE AND LATERALS SHALL BE SHEDULE 40 PVC, SIZED AS INDICATED BELOW:

| MAXIMUM DEMAND | PIPE SIZE |
|---|---|
| UP TO 8.0 GPM | 3/4" |
| 8.0 TO 12.0 GPM | 1" |
| 12.0 TO 22.0 GPM | 1 1/4" |
| 22.0 TO 38.0 GPM | 1 1/2" |
| 38.0 TO 50 GPM | 2" |

## EMITTER SCHEDULE

EMITTERS SHALL BE INSTALLED TO SERVICE PLANTS SPECIFICALLY BY SPECIES, 2 PER PLANT, AS SHOWN BELOW:

| MODEL | SHRUBS |
|---|---|
| ~~PC-10~~ DBK 08 | WOODBINE<br>GAYFEATHER<br>RED YUCCA |
| ~~PC-05~~ DBK 04 | FOURWING SALTBUSH<br>CHAMISA<br>APACHE PLUME<br>PRAIRIE SAGE |

## UTILITY NOTES

1. ELECTRICAL SERVICE SHALL BE PROVIDED FOR FOR THE IRRIGATION CONTROLLER. POWER SHALL BE OBTAINED FROM AN EXISTING TRANSFORMER. SEE PLAN FOR LOCATION.

## VALVE LEGEND

VALVE AND STATION NO.
HEAD TYPE
VALVE SIZE
TOTAL GPM

26 4882.902194B

HIGH DESERT

NORTH

0 10 20 40

SCALE: 1' = 20'-0'

BHI JOB NO. 94140.03

AS BUILT INFORMATION
CONTRACTOR ~~LEAD~~ UP DATE: 12-26-96
WORK STAKED BY ~~MIKE~~ BOCCA DATE: 12-26-96
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY U.P. DATE: 12-26-96
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
STATION IS A STANDARD USC&GS BRASS 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 DRIVE
ELEV =6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

PROFESSIONAL SEAL

OMIT SHEET 21 AND REPLACE WITH SHEETS 21A AND B

| NO. | DATE | REMARKS |
|---|---|---|
| | | REVISIONS |
| | | DESIGN |

DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GRAD, TAG DATE: 9/94

RECORD DRAWINGS
DATE 2-13-95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

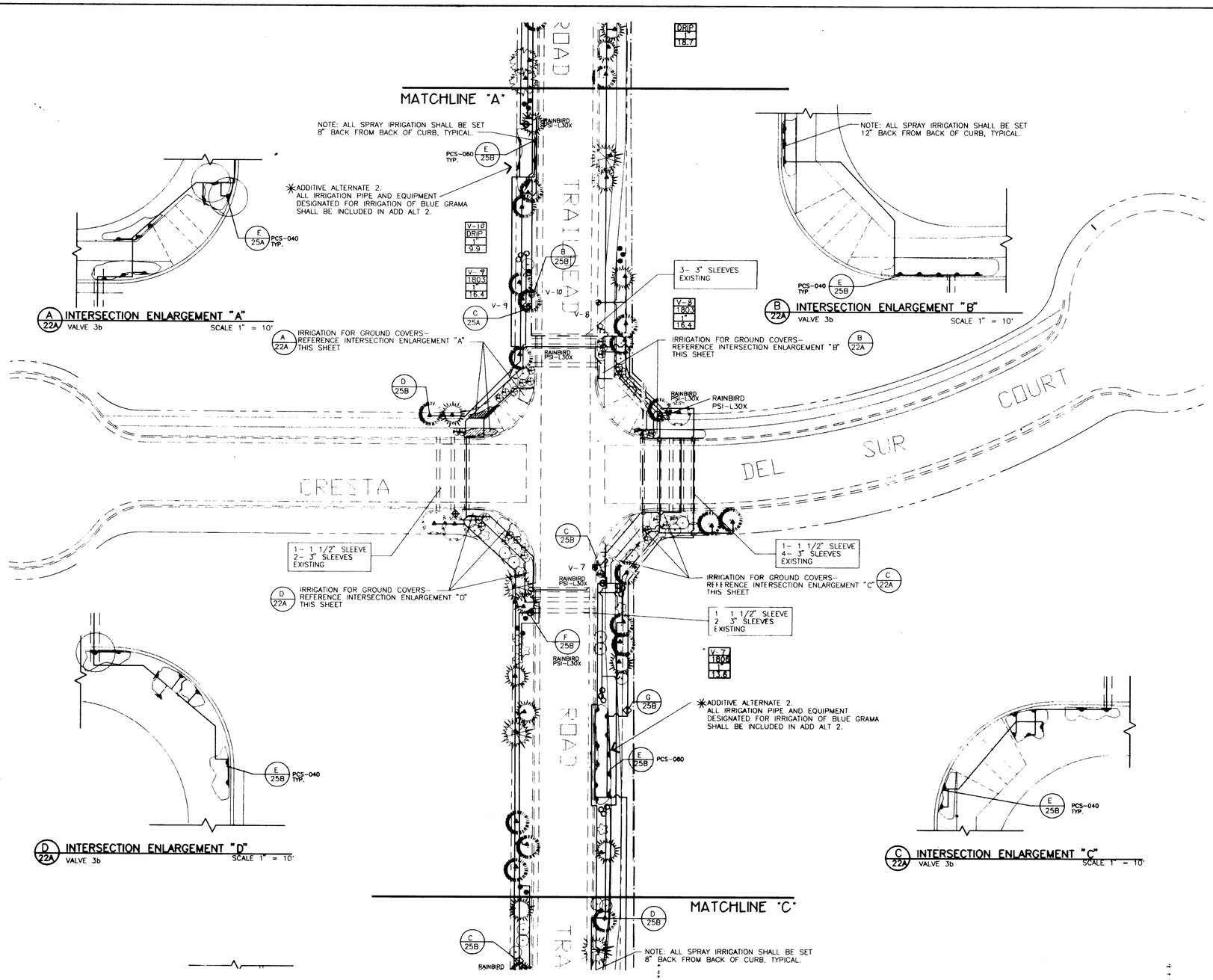
TITLE: TRAILHEAD SUBDIVISION IRRIGATION PLANS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 21B OF 25

FILENAME: PLBASE.DWG

LARCH




## LEGEND

| SYMBOL | DESCRIPTION | MODEL | NOTES |
|---|---|---|---|
| | SOLATROL ~~RAINMASTER~~ CONTROLLER ~~W/STAINLESS STEEL ENCLOSURE~~ | LEIT-8000-2, KKIT 8712 ~~EVS-12-SAT-PED-SS-I~~ | |
| M | METER | 1" ~~1 1/2"~~ TURBINE | EXISTING |
| | MASTER VALVE-RAINBIRD | 150 ~~100~~ PEB-PRS-B | (1 1/2" W/ ADD ALT 1.) |
| | FEBCO PVB | 765 ~~X~~ 1½" | (1 1/2" W/ ADD ALT 1.) |
| D | CHAMPION MANUAL DRAIN | 100RS-100 | SIZE AS PER PLAN |
| | RAINBIRD PRESSURE COMPENSATING CONTROL VALVE | PEB-PRS-B | SIZE AS PER PLAN OUTLET: 70 PSI MAX. |
| | RAINBIRD PRESSURE COMPENSATING CONTROL VALVE AND WYE FILTER | PEB-PRS-B RBY-100-150MX | SIZE AS PER PLAN OUTLET: 70 PSI MAX. |
| | RAINBIRD INLINE PRESSURE REGULATOR | PSI-M30X PSI-L30X | SEE PLAN SEE PLAN |
| | SLO CHECK VALVE | 1011 | SAME SIZE AS LATERAL PIPE |
| | HAKDIE E-Z ~~RAINBIRD XERIGATION~~ EMITTER ON RAINTUBE 1/2" TUBING | ~~DBK04~~ 1.0 ~~PC-05~~ ~~.5~~ GPH ~~PC-10~~ ~~1.0~~ GPH DBK 08 2.0 | SEE EMITTER SCH. SEE EMITTER SCH. |
| | RAINBIRD POP UP BUBBLER | 1803-5H-B-PCS-040 | .4 GPM |
| | HUNTER ROTOR SPRINKLER | I-25 5 NOZZLE | 9.6 GPM |
| | RAINBIRD POP UP SPRAY | 1806 12H PCS NOZZLE | SEE PLAN FOR SCREEN SIZE |
| | RAINBIRD POP UP SPRAY | 1806 12F PCS NOZZLE | |
| | MAINLINE SCH 40 PVC | -- | SIZE AS PER PLAN |
| | LATERAL SCH 40 PVC | -- | SIZE AS PER PLAN |
| | SLEEVE | EXISTING WHERE NOTED | SIZE AS PER PLAN |

## IRRIGATION NOTES

1. IRRIGATION PLANS ARE SCHEMATIC. VALVE BOX LOCATIONS SHALL BE GROUPED IN AN UNOBTRUSIVE MANNER OR AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
2. IRRIGATION LINES ARE SCHEMATIC. LINES MAY BE SHOWN UNDER PAVED AREAS FOR READABILITY. ALL IRRIGATION LINES SHALL RUN FROM PLANTER TO PLANTER, AS APPLICABLE. ALL IRRIGATION SHALL BE INSTALLED WITHIN STREET RIGHT-OF-WAYS.
3. ALL CONTROLLER WIRING UNDER PAVEMENT SHALL BE SLEEVED WITH EXISTING 1 1/2" SCH 40 PVC. CONTROLLER STATIONS SHALL BE WIRED AS PER VALVE LEGEND.
4. DEPTH OF BURY SHALL BE 28" TO 30" FOR CONSTANT PRESSURE MAINLINE. 18" TO 20" FOR MAINLINE DOWNSTREAM OF THE MASTERVALVE, AND 18" TO 20" FOR ALL LATERAL LINES.
5. MANUAL DRAINS ARE TO BE FIELD LOCATED AND INSTALLED AT END POINTS OR LOW POINTS IN THE MAINLINE AS DETERMINED BY FIELD SURVEY.
6. ALL TESTING GAUGES AND VALVES AS INSTALLED SHALL BE LABELED AS PER VALVE STATIONS AS SHOWN ON THESE PLANS.
7. VALVE BOXES SHALL BE INSTALLED IN PLACE PRIOR TO ANY PRESSURE TESTING TO ENSURE PROPER GRADING.
8. EXISTING SLEEVE LOCATIONS AS SHOWN ARE SCHEMATIC. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING SLEEVES.
9. CONTRACTOR SHALL SIZE AND INSTALL ALL MAINLINE AND LATERAL PIPES AS PER PIPE SIZING CHART. ALL PIPE SIZING SHALL BE SUBMITTED TO AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. SEE PLANS.
10. SEE SHEETS 25A AND 25B FOR IRRIGATION DETAILS AND ADDITIONAL NOTES.

## PIPE SIZING CHART

ALL MAINLINE AND LATERALS SHALL BE SHEDULE 40 PVC, SIZED AS INDICATED BELOW:

| MAXIMUM DEMAND | PIPE SIZE |
|---|---|
| UP TO 8.0 GPM | 3/4" |
| 8.0 TO 12.0 GPM | 1" |
| 12.0 TO 22.0 GPM | 1 1/4" |
| 22.0 TO 38.0 GPM | 1 1/2" |
| 38.0 TO 50 GPM | 2" |

26 4882.90 22944

## EMITTER SCHEDULE

EMITTERS SHALL BE INSTALLED TO SERVICE PLANTS SPECIFICALLY BY SPECIES, 2 PER PLANT, AS SHOWN BELOW:

| MODEL | SHRUBS |
|---|---|
| ~~PC-10~~ DBK 08 | WOODBINE |
| | GAYFEATHER |
| | RED YUCCA |
| ~~PC-05~~ DBK 04 | FOURWING SALTBUSH |
| | CHAMISA |
| | APACHE PLUME |
| | PRAIRIE SAGE |

## UTILITY NOTES

1. ELECTRICAL SERVICE SHALL BE PROVIDED FOR FOR THE IRRIGATION CONTROLLER. POWER SHALL BE OBTAINED FROM AN EXISTING TRANSFORMER. SEE PLAN FOR LOCATION.

## VALVE LEGEND

VALVE AND STATION NO.
HEAD TYPE
VALVE SIZE
TOTAL GPM

HIGH DESERT

NORTH

0 10 20 40
SCALE: 1" = 20'-0"

BHI JOB NO. 94140.03

RECORD DRAWINGS
DATE 2-13-95

AS BUILT INFORMATION
CONTRACTOR LEIT UP DATE: 2-6-95
WORK STAKED BY HUGO FRACCO DATE: 1-26-95
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY UP DATE: 2-6-95
MICRO-FILM INFORMATION DATE:
RECORDED BY
NO.

BENCH MARK
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV =6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

PROFESSIONAL SEAL
9-16-94

DWT SHEET 22 AND REPLACE WITH SHEETS 22A

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GRAD,TAG DATE: 9/94

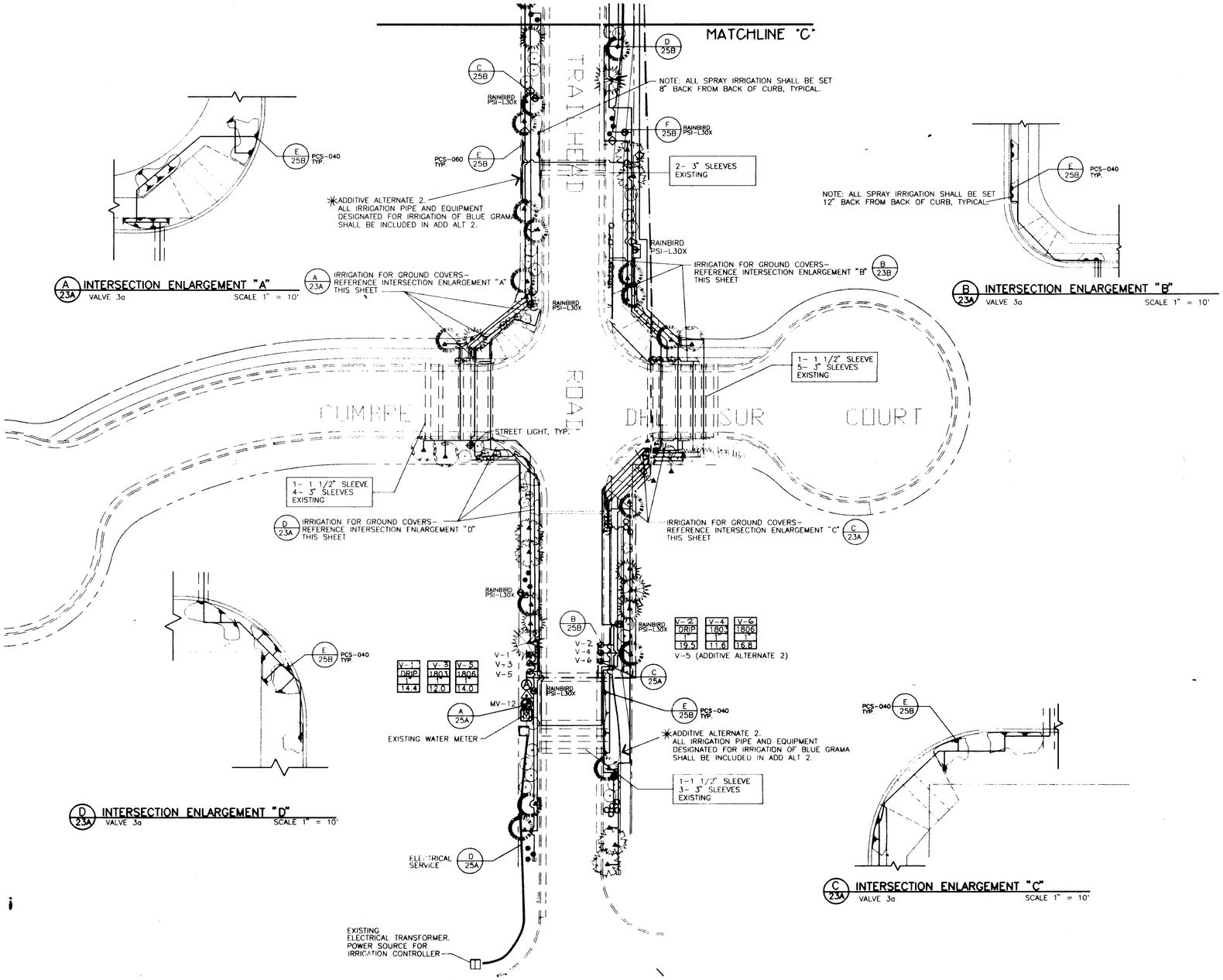
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: TRAILHEAD SUBDIVISION IRRIGATION PLANS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 22A OF 25

FILENAME: PLBASE.DWG




## LEGEND

| SYMBOL | DESCRIPTION | MODEL | NOTES |
|---|---|---|---|
| | SOLATROL ~~RAINMASTER~~ CONTROLLER ~~W/STAINLESS STEEL ENCLOSURE~~ | LEIT-8000-2, XKIT 8712 ~~EVS-12-SAT-PED-SS-T~~ | |
| M | METER | 1" ~~1 1/2"~~ TURBINE | EXISTING |
| | MASTER VALVE-RAINBIRD<br>FEBCO PVB | 150 ~~100~~ PEB-PRS-B<br>765 ~~X~~ 1 1/2" | (1 1/2" W/ ADD ALT 1.)<br>(1 1/2" W/ ADD ALT 1.) |
| D | CHAMPION MANUAL DRAIN | 100RS-100 | SIZE AS PER PLAN |
| | RAINBIRD PRESSURE COMPENSATING CONTROL VALVE | PEB-PRS-B | SIZE AS PER PLAN<br>OUTLET: 70 PSI MAX. |
| | RAINBIRD PRESSURE COMPENSATING CONTROL VALVE AND WYE FILTER | PEB-PRS-B<br>RBY-100-150MX | SIZE AS PER PLAN<br>OUTLET: 70 PSI MAX. |
| | RAINBIRD INLINE PRESSURE REGULATOR | PSI-M30X<br>PSI-L30X | SEE PLAN<br>SEE PLAN |
| | SLO CHECK VALVE | 1011 | SAME SIZE AS LATERAL PIPE |
| | HARDIE E-Z ~~RAINBIRD XERIGATION~~ EMITTER ON RAINTUBE 1/2"<br>TUBING | DBK04 1.0<br>~~PC-05~~ 5 GPH<br>~~PC-10~~ 10 GPH<br>DBK08 2.0 | SEE EMITTER SCH.<br>SEE EMITTER SCH. |
| | RAINBIRD POP UP BUBBLER | 1803-5H-B-PCS-040 | .4 GPM |
| | HUNTER ROTOR SPRINKLER | I-25 5 NOZZLE | 9.6 GPM |
| | RAINBIRD POP UP SPRAY<br>RAINBIRD POP UP SPRAY | 1806 12H PCS NOZZLE<br>1806 12F PCS NOZZLE | SEE PLAN FOR SCREEN SIZE |
| | MAINLINE SCH 40 PVC | -- | SIZE AS PER PLAN |
| | LATERAL SCH 40 PVC | -- | SIZE AS PER PLAN |
| | SLEEVE | EXISTING WHERE NOTED | SIZE AS PER PLAN |

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4. DEPTH OF BURY SHALL BE 28" TO 30" FOR CONSTANT PRESSURE MAINLINE. 18" TO 20" FOR MAINLINE DOWNSTREAM OF THE MASTERVALVE, AND 18" TO 20" FOR ALL LATERAL LINES.
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6. ALL TESTING GAUGES AND VALVES AS INSTALLED SHALL BE LABELED AS PER VALVE STATIONS AS SHOWN ON THESE PLANS.
7. VALVE BOXES SHALL BE INSTALLED IN PLACE PRIOR TO ANY PRESSURE TESTING TO ENSURE PROPER GRADING.
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10. SEE SHEETS 25A AND 25B FOR IRRIGATION DETAILS AND ADDITIONAL NOTES.

## PIPE SIZING CHART

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| MAXIMUM DEMAND | PIPE SIZE |
|---|---|
| UP TO 8.0 GPM | 3/4" |
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| 22.0 TO 38.0 GPM | 1 1/2" |
| 38.0 TO 50 GPM | 2" |

## EMITTER SCHEDULE

EMITTERS SHALL BE INSTALLED TO SERVICE PLANTS SPECIFICALLY BY SPECIES, 2 PER PLANT, AS SHOWN BELOW:

| MODEL | SHRUBS |
|---|---|
| ~~PC-10~~ DBK 08 | WOODBINE<br>GAYFEATHER<br>RED YUCCA |
| ~~PC-05~~ DBK 04 | FOURWING SALTBUSH<br>CHAMISA<br>APACHE PLUME<br>PRAIRIE SAGE |

## UTILITY NOTES

1. ELECTRICAL SERVICE SHALL BE PROVIDED FOR FOR THE IRRIGATION CONTROLLER. POWER SHALL BE OBTAINED FROM AN EXISTING TRANSFORMER. SEE PLAN FOR LOCATION.

## VALVE LEGEND

VALVE AND STATION NO.
HEAD TYPE
VALVE SIZE
TOTAL GPM

4882.902394A

26

HIGH DESERT

NORTH

0 10 20 40

SCALE: 1" = 20'-0"

JHI JOB NO. 94140.03

RECORD DRAWINGS
DATE 2-13-95

AS BUILT INFORMATION
CONTRACTOR HEADS UP DATE: 1-22-95
WORK STAKED BY HILE BECCA DATE: 1-26-95
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY J.P. DATE: 1-26-95
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV =6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

PROFESSIONAL SEAL
7-6-94

OMIT SHEET 23 AND REPLACE WITH SHEETS 23A

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GRAD, TAG DATE: 9/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

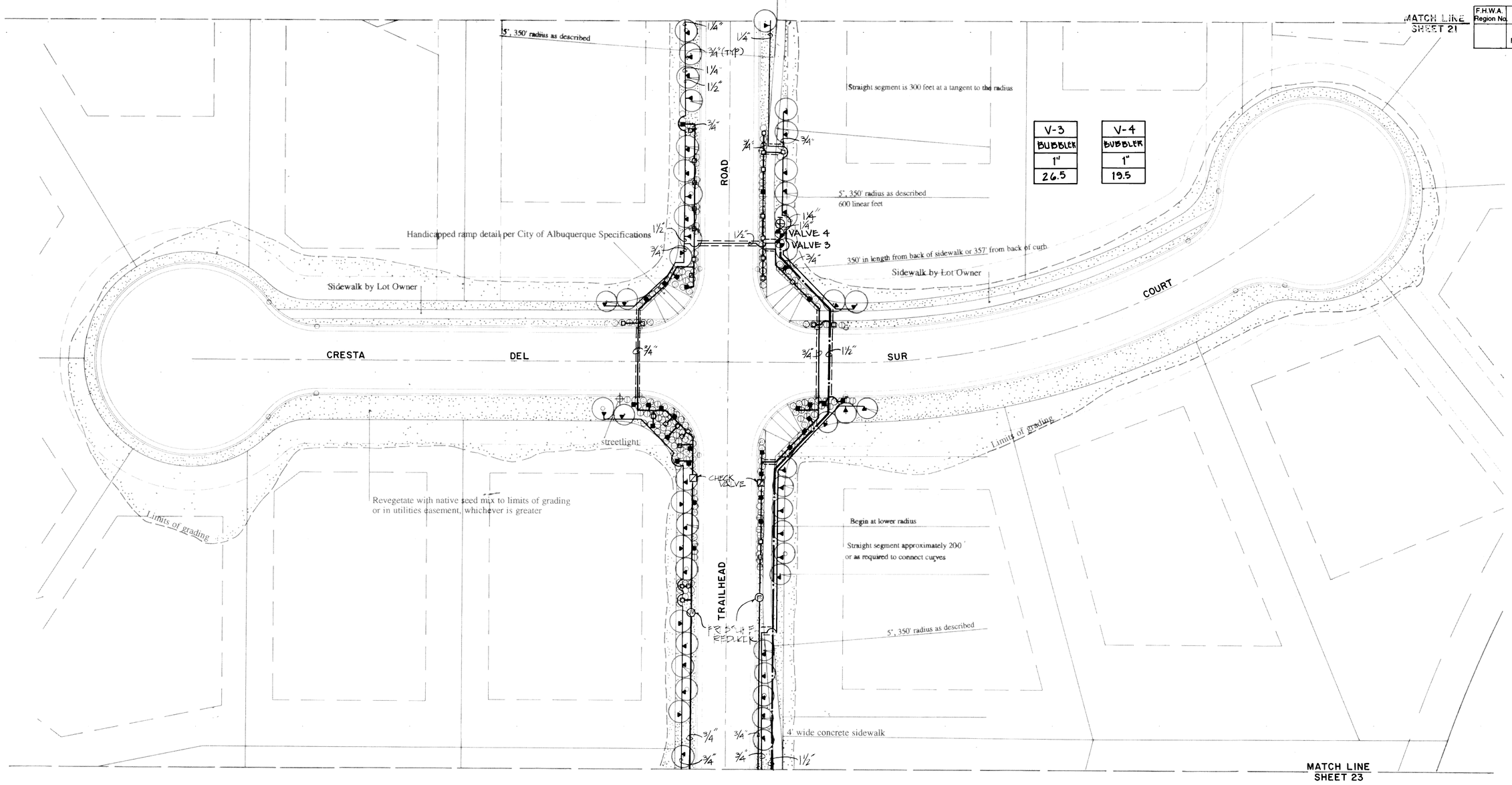
TITLE: TRAILHEAD SUBDIVISION IRRIGATION PLANS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 23A OF 25

FILENAME: PLBASE.DWG

LARCH




* SEE SHEET #9 FOR GENERAL IRRIGATION NOTES AND IRRIGATION PARTS LIST

VALVE LEGEND

VALVE AND STATION NO.
HEAD TYPE
VALVE SIZE
TOTAL GPM

Note: Site and roadway layout information provided by Bohannon-Huston, Inc., Engineers 2/14/94

26 4882.902294

# HIGH DESERT

LAND PLANNER
LANDSCAPE ARCHITECT
*Design Workshop Inc.*
*120 East Main Street*
*Aspen, CO 81612*
*303 925 8354*

ENGINEER
*Bohannon-Huston Inc.*
*Courtyard 1*
*7500 Jefferson NE*
*Albuquerque, NM 87109*
*505 823 1000*

OWNER
*High Desert Investment Corp.*
*PO Box 91976*
*Albuquerque, NM 87199*
*505 825 9360*

North

0 10' 20' 40'

Scale: 1": 20'-0"

SCANNED BY BY LASON

| F.H.W.A. Region No. | NEW MEXICO | | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTORS ACCEPTANCE BY
VERIFICATION BY
DRAWINGS CORRECTED BY
DATE

MICROFILM INFORMATION
TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DRIVE.
ELEVATION = 6009.155'
RECORDED BY
DATE
NO.

BENCH MARKS
STATION IS A STANDARD USC&GS BRASS 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.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

REVISIONS

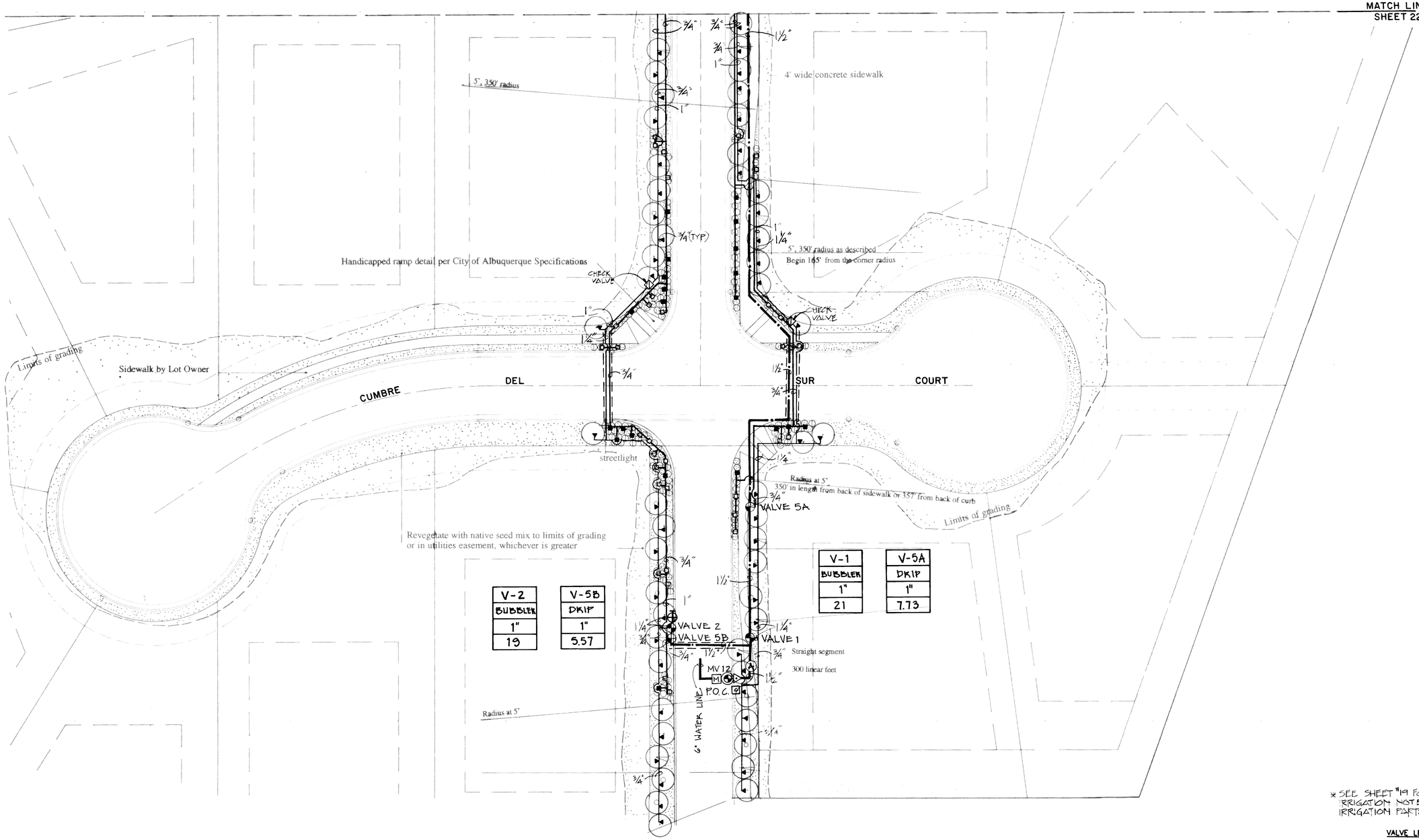
DESIGN
DESIGNED BY DATE
DRAWN BY SJC DATE March 7 94
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE
**HIGH DESERT TRAILHEAD IRRIGATION PLAN**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| ~~City Engineer~~ | B.G.A. | 4/26/94 | Liquid Waste | N/A RWK | 4-1-94 |
| ~~ACE - Design~~ | | | Traffic | N/A RWD | 4-01-94 |
| ~~ACE~~ - Hydrology | N/A JHD | 4/22/94 | Water | N/A RWK | 4-1-94 |
| Parks | NA TS | 4-22-94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 22 | 25 |




| F.H.W.A. Region No. | | | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| | NEW MEXICO | | | |

**AS-BUILT INFORMATION**

CONTRACTOR WORK VERIFIED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE

**MICROFILM INFORMATION**

RECORDED BY — DATE
NO.

BENCH MARKS

STATION IS A STANDARD USC&GS BRASS 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 DRIVE.

ELEVATION = 6009.155'

**SURVEY INFORMATION**

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

**ENGINEERS SEAL**

Note: Site and roadway layout information provided by Bohanon-Huston, Inc., Engineers 2/14/94

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

**REVISIONS**

DESIGN

DESIGNED BY — DATE
DRAWN BY SJR — DATE March 7 '94
CHECKED BY — DATE

* SEE SHEET #19 FOR GENERAL IRRIGATION NOTES AND IRRIGATION PARTS LIST

VALVE LEGEND

VALVE AND STATION NO.
HEAD TYPE
VALVE SIZE
TOTAL GPM

26 4882.902894

HIGH DESERT

LAND PLANNER
LANDSCAPE ARCHITECT
*Design Workshop Inc.*
*120 East Main Street*
*Aspen, CO 81612*
*303 925 8354*

ENGINEER
*Bohannon-Huston Inc.*
*Courtyard I*
*7500 Jefferson NE*
*Albuquerque, NM 87109*
*505 823 1000*

OWNER
*High Desert Investment Corp.*
*PO Box 91976*
*Albuquerque, NM 87199*
*505 825 9360*

North

0 10' 20' 40'

**Scale: 1": 20'-0"**

SCANNED BY
BY LASON

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE

**HIGH DESERT TRAILHEAD IRRIGATION PLAN**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| ~~Chairman Dev. Review~~ | S.J.B. | 4/26/94 | Liquid Waste | N/A RWK | 4-1-94 |
| ~~ACE~~ - Design | | | Traffic | N/A | 4-01-94 |
| ~~ACE~~ - Hydrology | N/A | 4/28/94 | Water | N/A RWK | 4-1-94 |
| Parks | NA DS | 4.22.94 | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 23 | 25 |

## GENERAL NOTES

* ALL QUANTITIES SHOWN IN THE IRRIGATION PARTS LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER QUANTITY TAKE OFFS. IN SITUATIONS WHERE PLANS CONFLICT WITH QUANTITIES SHOWN IN THE IRRIGATION PARTS LIST THE QUANTITIES IN THE PLANS SHALL GOVERN.
* CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS.
* CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE LANDSCAPE ARCHITECT IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN ARE IN CONFLICT.
* EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. CALL N.M. ONE CALL AT 260-1990 FOR BLUE STAKING. IF PROBLEMS ARE DISCOVERED, CONTACT LANDSCAPE ARCHITECT TO DETERMINE COURSE OF ACTION.
* CONTRACTOR SHALL PROTECT ALL NEWLY GRADED AREAS FROM TRAFFIC OR EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS. REPAIR AND RE-ESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS, AT THE CONCLUSION OF EACH PLANTING SEQUENCE OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.

## IRRIGATION NOTES

* WORK UNDER THIS SECTION CONSISTS OF INSTALLING A COMPLETE UNDERGROUND IRRIGATION SYSTEM AS SHOWN ON THESE PLANS, DETAILS AND SPECIFICATIONS. THE CONTRACTOR PERFORMING THIS WORK SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND PERMITS NECESSARY FOR THE COMPLETION OF THE IRRIGATION SYSTEM, EXCEPT FOR THOSE COMPONENTS SPECIFIED TO BE FURNISHED BY OTHERS.
* ALL PLANT MATERIALS SHALL BE IRRIGATED WITH AUTOMATIC IRRIGATION SYSTEMS AS PER PLANS, DETAILS AND SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
* WHERE TREES, LIGHT STANDARDS, ETC. ARE AN OBSTRUCTION OF PIPING AND OTHER IRRIGATION EQUIPMENT, THEY SHALL BE ADJUSTED AND/ OR RELOCATED AS NECESSARY TO OBTAIN FULL COVERAGE WITHOUT EXCESSIVE OVERFLOW.
* CONTRACTOR SHALL FLUSH ALL LINES AND VALVES PRIOR TO INSTALLING HEADS AND EMITTERS.
* PLANS ARE DIAGRAMMATIC AND APPROXIMATE DUE TO SCALE CONSTRAINTS. ALL VALVES SHALL BE LOCATED IN PLANTING AREAS OR TURF AREAS WHERE SHOWN AND ALL PIPING SHALL BE INSTALLED PRIOR TO LANDSCAPING OR PAVING WORK. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING. CAP ALL ENDS HAND TIGHT, PRIOR TO BACKFILL.
* COMPLY WITH REQUIREMENTS OF THE UNIFORM PLUMBING CODE AND CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION) AND ANY OTHER GOVERNMENTAL BODIES HAVING JURISDICTION.
* REFER TO IRRIGATION DETAILS, SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR ALL INSTALLATION PROCEDURES NOT FULLY DESCRIBED ON THE IRRIGATION PLANS.
* ALL BACKFILLING SHALL BE CLEAN MATERIAL FROM EXCAVATION. BACKFILLED TRENCH IS TO BE EVEN WITH EXISTING GRADES AFTER COMPACTION.
* TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO 85% PROCTOR DENSITY IN 6" LIFTS.
* CONTRACTOR SHALL COORDINATE CONTROLLER PROGRAMS TO AVOID STATION OVERLAP.
* ALL COMPONENTS INSTALLED AS THE UNDERGROUND IRRIGATION SYSTEM ARE TO BE NEW AND IN GOOD WORKING ORDER AND WITHOUT FLAWS UNLESS OTHERWISE INDICATED ON THE PLANS, DETAILS AND SPECIFICATIONS.
* ALL PLANT MATERIALS INSTALLED SHALL HAVE THE AUTOMATIC IRRIGATION SYSTEM FULLY OPERABLE AT THE TIME OF PLANT INSTALLATION UNLESS OTHERWISE NOTED ON THE PLANS.

## IRRIGATION WARRANTY AND MAINTENANCE

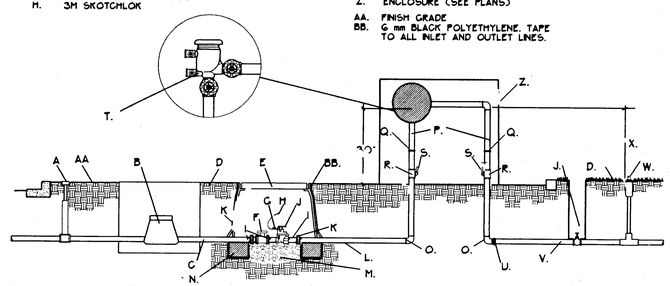
* THE CONTRACTOR SHALL FURNISH A CERTIFICATE OF WARRANTY AND A GUARANTEE OF WORK AND MATERIALS FOR A TWO-YEAR PERIOD FROM DATE OF FINAL ACCEPTANCE. FINAL PAYMENT FOR THE SYSTEM SHALL NOT BE MADE UNLESS THIS CERTIFICATE IS PRESENTED TO THE OWNER.
* THE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM, IN SATISFACTORY WORKING ORDER, DURING THE TIME OF CONTRACT WORK.
* THE CONTRACTOR SHALL BE LIABLE FOR ANY LOSS OR DAMAGE TO ANY WORK OR MATERIALS, SUPPLIES AND EQUIPMENT ON THE JOB SITE CAUSED BY THE CONTRACTOR, ITS EMPLOYEES OR ANY OTHER UNFORESEEN CAUSE UNTIL FINAL ACCEPTANCE OF PROJECT WITH THE LANDSCAPE ARCHITECT AND THE CITY OF ALBUQUERQUE.

GENERAL NOTES

1. PVB'S UNAPPROVED FOR CONTAINMENT PROTECTION. EXCEPT FOR LAWN IRRIGATION SYSTEMS.
2. DO NOT INSTALL IN FLOOD PRONE AREAS.
3. DO NOT INSTALL PVB'S>5' ABOVE GROUND LEVEL.
4. METALLIC RISER PIPING REQ'D.
5. JOINTS TO BE ADEQUATELY RESTRAINED.
6. HORIZONTAL INSTALLATION REQ'D. AS SHOWN.

CONSTRUCTION NOTES

A. CURB STOP AND BOX.
B. METER.
C. SERVICE LINE. NO OUTLETS ALLOWED.
D. FINISH GRADE
E. BROOKS PRODUCTS INC. 1730 PB-18 BODY (ABS) VALVE BOX WITH 1730 BOLT DOWN COVER (ABS) AND TWO 8" EXTENSIONS.
F. SPEARS TRUE UNION SCH 80 PVC BALL VALVE
G. 24" WIRE EXPANSION COIL
H. 3M SKOTCHLOK
I. SCHEDULE 80 PVC CLOSE NIPPLE
J. ELECTRIC OR MANUAL VALVE (SEE PLAN)
K. SPEARS SCH 80 PVC UNION
L. SCH 80 PVC NIPPLE
M. 1 CUBIC FOOT 1" DIAMETER WASHED ROCK.
N. 8" X 8" X 16" SOLID CMU BLOCK
O. GALVANIZED ELL
P. GALVANIZED NIPPLE
Q. GALVANIZED UNION. 4" ABOVE GRADE. MIN.
R. GALVANIZED TEE
S. BALL DRAIN. CHAMPION DV050 1/2"
T. PRESSURE VACUUM BREAKER BACKFLOW PREVENTER (SEE PLAN)
U. PVC MIP ADAPTER
V. MAINLINE/LATERAL MAINLINE
W. SPRINKLER
X. 12" MIN. ABOVE HIGHEST POINT OF ALL DOWNSTREAM PIPING AND OUTLETS
Z. ENCLOSURE (SEE PLANS)
AA. FINISH GRADE
BB. 6 mm BLACK POLYETHYLENE. TAPE TO ALL INLET AND OUTLET LINES.




A/24 IRRIGATION MASTER VALVE WITH PRESSURE VACUUM BREAKER

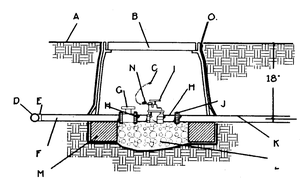
NOT TO SCALE

GENERAL NOTES:

1. INSTALL ANY 8" X 8" X 16" SOLID CMU BLOCK AT EACH CORNER OF THE VALVE BOX.
2. WASH ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF PIPE AND VALVE.

CONSTRUCTION NOTES:

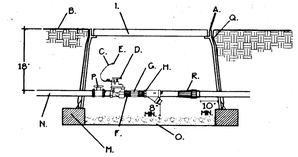
A. FINISH GRADE
B. BROOKS PRODUCTS, INC. 1730 P3-18 BODY (ABS) VALVE BOX WITH 1730 BOLT DOWN COVER (ABS) AND TWO 8" EXTENSIONS.
C. DRY SPLICE CONNECTOR OR EQUAL.
D. IRRIGATION MAINLINE.
E. IRRIGATION MAINLINE SERVICE TEE OR ELL
F. SCHEDULE 80 PVC X 12" NIPPLE.
G. SPEARS TRUE UNION SCHEDULE 80 PVC BALL VALVE.
H. SCHEDULE 80 PVC CLOSE NIPPLE
I. ELECTRIC VALVE (SEE PLAN)
J. SPEARS SCHEDULE 80 PVC UNION.
K. LATERAL LINE.
L. 1 CUBIC FOOT 1" DIAMETER WASHED ROCK.
M. 8" X 8" X 16" SOLID CMU BLOCK.
N. 24" WIRE EXPANSION COIL.
O. 6 mm BLACK POLYETHYLENE PLASTIC. TAPE TO ALL INLET AND OUTLET PIPE AND INSTALL THE FULL DEPTH OF THE VALVE BOX BOTTOM.




B/24 IRRIGATION ELECTRIC VALVE

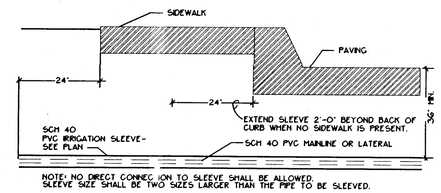
NOT TO SCALE

A. BROOKS PRODUCTS INC 1730 PB-18 VALVE BOX WITH 1730 BOLT DOWN COVER AND (2) 6 1/2" EXTENSIONS.
B. FINISH GRADE
C. 24" WIRE LOOP
D. AUTOMATIC VALVE- SEE IRRIGATION PARTS LIST.
E. DRY SPLICE CONNECTOR OR EQUAL
F. GALVALIZED NIPPLE
G. GALVANZED COUPLING
H. "WYE" STRAINER STRAINER SHALL BE INSTALLED TO PROVIDE ACCESS FOR MAINTENANCE AND REPLACEMENT OF FILTER SEE IRRIGATION PARTS LIST.
I. LOCKING VALVE BOX COVER
M. 8" X 8" X 16" CMU SOLID CONCRETE BLOCK
N. MAINLINE
O. 4" LAYER OF 3/4" GRAVEL
P. BALL VALVE
Q. 6MM BLACK POLYETHYLENE PLASTIC TAPE TO ALL INLET AND OUTLET PIPE AND INSTALL FULL LENGTH OF VALVE BOX BOTTOM.
R. INLINE PRESSURE REGULATOR-SEE IRRIGATION PARTS LIST AND PLAN.




C/24 ELECTRIC DRIP VALVE WITH WYE FILTER & INLINE PRESSURE REGULATOR

NOT TO SCALE




D/24 IRRIGATION SLEEVES UNDER PAVING AND SIDEWALKS

NOT TO SCALE

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

PROFESSIONAL SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY: TAG DATE: 3/94
DRAWN BY: CAM DATE: 3/94
CHECKED BY: GR DATE: 3/94

26 4882.902494

HIGH DESERT

SCANNED BY LASON


LAND PLANNER
LANDSCAPE ARCHITECT
*Design Workshop Inc.*
*120 East Main Street*
*Aspen, CO 81612*
*303 925 8354*

ENGINEER
*Bohannon-Huston Inc.*
*Courtyard I*
*7500 Jefferson NE*
*Albuquerque, NM 87109*
*505 823 1000*

OWNER
*High Desert Investment Corp.*
*PO Box 91976*
*Albuquerque, NM 87199*
*505 825 9360*


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HIGH DESERT TRAILHEAD
GENERAL NOTES/IRRIGATION DETAILS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | B.G.S. | 4/26/94 | WATER | N/A | RWK 4-1-94 |
| TRANSPORTATION | N/A RWO | 4/01/94 | WASTE WATER | N/A | RWK 4-1-94 |
| HYDROLOGY | N/A RWO | 4/13/94 | | | |
| PARKS | N/A DS | | | | |

| DRAWING NO. | M.P NO. | SHEET OF |
|---|---|---|
| 4882.90 | F-23 | 24 25 |

BHI JOB NO. 91181.45

FILENAME: HIGHDES.DWG

## GENERAL NOTES

* ALL QUANTITIES SHOWN IN PLANT LIST AND IRRIGATION LEGEND ARE FOR CONVENIENCE. CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER QUANTITY TAKE OFFS. IN SITUATIONS WHERE PLANS CONFLICT WITH QUANTITIES SHOWN IN PLANT LIST OR IRRIGATION PARTS LIST THE QUANTITIES IN THE PLANS SHALL GOVERN.
* CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN ARE IN CONFLICT WITH THE PROPOSED CONTRACT.
* CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS.
* EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION FOR PLANT MATERIALS. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. CALL N.M. ONE CALL AT 260-1990 FOR BLUE STAKING. IF PROBLEMS ARE DISCOVERED, CONTACT OWNER'S REPRESENTATIVE TO DETERMINE A COURSE OF ACTION.
* CONTRACTOR SHALL PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS. REPAIR AND RE-ESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS AT THE CONCLUSION OF EACH PLANTING SEQUENCE OR AS DIRECTED BY THE OWNERS REPRESENTATIVE.

## PLANTING NOTES

GENERAL

* SCOPE: WORK COVERED IN THESE NOTES CONSISTS OF THE PLANTING OF SEEDING, TREES, SHRUBS AND GROUNDCOVERS, GRADING AND MULCHING, INCLUDING THE FURNISHING OF ALL LABOR, EQUIPMENT, MATERIALS AND PERFORMING ALL WORK IN CONNECTION WITH THE DRAWINGS AND SPECIFICATIONS.
* CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNER'S REPRESENTATIVE IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN, ARE IN CONFLICT WITH PROPOSED CONTRACT.

PROTECTION

* PROTECTION OF PERSONS AND PROPERTY: CONTRACTOR IS TO BARRICADE OPEN EXCAVATIONS OCCURRING AS PART OF THIS WORK AND POST WITH WARNING LIGHTS OR OTHER WARNING MEASURES AS NECESSARY. PROTECTION OF EXISTING SHRUBS, TREES AND OTHER PLANT MATERIALS ARE ALSO TO BE INCLUDED.
* PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS. ALL DAMAGES THAT MAY OCCUR DURING THIS PHASE OF WORK SHALL BE THE CONTRACTORS FINANCIAL RESPONSIBILITY.

GRADING

* PERFORM GRADING AND EXCAVATION WORK IN COMPLIANCE WITH APPLICABLE SPECIFICATIONS, REQUIREMENTS, CODES AND ORDINANCES OF GOVENING BODIES HAVING JURISDICTION.
* ROUGH GRADING: ROUGH GRADING SHALL BE PERFORMED TO SPECIFICATIONS BY GENERAL CONTRACTOR. GRADES SHALL BE AS PER THE PLANS, ± 2"
* ALL EARTHWORK SHALL BE DONE SO THAT ALL WATER DRAINS AWAY FROM ALL BUILDINGS.
* FINE GRADING: SURFACE SHALL BE RAKED FREE OF STONES AND EXTRANEOUS MATERIALS AND DEBRIS TO A SMOOTH AND EVEN TEXTURE. ALL EXTRANEOUS MATTER WILL BE DISPOSED OF BY CONTRACTOR.

PLANTINGS

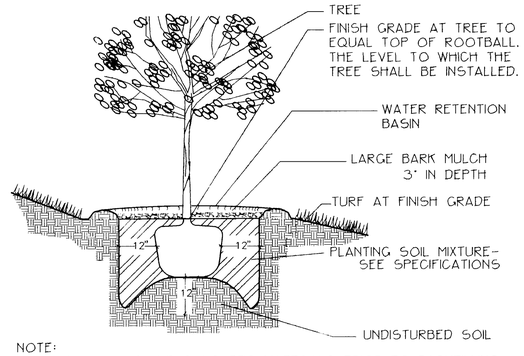
* PLANT MATERIAL SUBSTITUTIONS SHALL NOT BE MADE WITHOUT THE WRITTEN PERMISSION OF THE OWNER'S REPRESENTATIVE. THE USE OF MATERIALS DIFFERING IN KIND, QUALITY OR SIZE FROM THAT SPECIFIED WILL BE ALLOWED ONLY AFTER THE OWNER'S REPRESENTATIVE IS CONVINCED THAT ALL MEANS OF OBTAINING THE SPECIFIED MATERIALS HAVE BEEN EXHAUSTED. AT THE TIME BIDS ARE SUBMITTED, THE CONTRACTOR IS ASSUMED TO HAVE LOCATED THE MATERIALS NECESSARY TO COMPLETE THE JOB AS SPECIFIED. ALL REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED NO LATER THAN 2 WEEKS PRIOR TO THE INITIATION OF WORK.
* PLANT MATERIAL QUALITY, SIZE AND CONDITION SHALL BE IN ACCORDANCE WITH AMERICAN STANDARD FOR NURSERY STOCK, 1980 EDITION, AS PUBLISHED BY THE COMMITTEE ON HORTICULTURAL STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
* ALL PLANTS SHALL BY TYPICAL OF THEIR SPECIES OR VARIETY. ALL PLANTS SHALL HAVE NORMAL, WELL DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUNSCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORES AND ALL OTHER FORMS OF INFECTIONS.
* UNLESS OTHERWISE STATED ON THE DRAWINGS OR APPROVED BY OWNER'S REPRESENTATIVE, ALL PLANTS SHALL BE NURSERY GROWN AND SHALL BE TAGGED WITH NURSERY LABELS INDICATING SPECIES AND VARIETY.
* CONTAINER GROWN PLANT MATERIAL SHALL HAVE BEEN ESTABLISHED IN ITS DELIVERY CONTAINER FOR NOT LESS THAN SIX MONTHS, BUT FOR NOT MORE THAN TWO YEARS. ANY ROOTBOUND MATERIAL WILL NOT BE ACCEPTED.
* BALLED AND BURLAPPED PLANT MATERIAL SHALL HAVE A SOLID BALL OF EARTH OF MINIMUM SPECIFIED SIZE AND HELD IN PLACE SECURELY BY BURLAP AND A STOUT TWINE OR ROPE. BROKEN OR LOOSE BALLS WILL BE REJECTED.
* ALL PLANT MATERIAL SHALL HAVE A UNIFORM SHAPE AROUND ITS COMPLETE CIRCUMFERENCE. PLANT MATERIAL WITH UNTYPICAL BRANCHING PATTERNS SHALL NOT BE ACCEPTABLE.
* THE OWNER'S REPRESENTATIVE SHALL INSPECT ALL PLANT MATERIAL AT THE CONTRACTOR'S YARD PRIOR TO DELIVERY, DURING PLANTING AND AFTER PLANTING AT THE JOB SITE.
* AT THE OPTION OF THE CONTRACTOR, THE OWNER'S REPRESENTATIVE WILL INSPECT PLANT MATERIAL AT A WHOLESALE NURSERY OF THE CONTRACTOR'S CHOICE PRIOR TO DELIVERY OF MATERIALS TO THE CONTRACTOR'S YARD. HOWEVER, AT NO ADDITIONAL EXPENSE TO THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAVEL EXPENSES INCURRED BY THE OWNER'S REPRESENTATIVE FOR ANY TRAVEL OUTSIDE OF THE ALBUQUERQUE METROPOLITAN AREA.
* THE OWNER'S REPRESENTATIVE SHALL BE THE JUDGE OF THE QUALITY AND ACCEPTABILITY OF ALL PLANT MATERIALS. ALL REJECTED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE MATERIAL AT NO ADDITIONAL COST TO OWNER.
* ALL COLLECTED PLANTS MUST BE PRESENTED ON THE SITE AND SHALL BE IN ACCORDANCE WITH THE NEW MEXICO DEPARTMENT OF AGRICULTURE PLANT PROTECTION ACT, REGULATORY ORDER NO. 4.

MULCHING

* ALL PLANT MATERIALS SHOWN ON PLANS SHALL BE MULCHED AS PER DETAILS AND SPECIFICATIONS.

WARRANTY

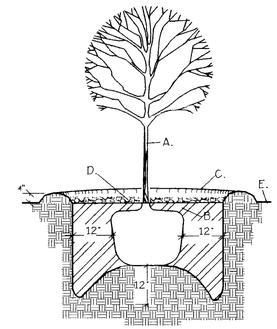
* ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE GUARANTEED FOR THE PERIOD OF ONE YEAR OR ONE GROWING SEASON, WHICHEVER COMES FIRST, BEGINNING ON THE DATE OF FINAL CONTRACT ACCEPTANCE.




NOTE:
REMOVE ALL WIRE AND SYNTHETIC MATERIALS PRIOR TO BACKFILLING.
REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL
MINIMUM AREA OF THE LEVEL SPACE IN WHICH TO PLANT TREE SHALL BE THE SAME AS THE DIAMETER OF THE DRIP LINE OF THE TREE.
THE DEGREE OF SLOPE ABOVE AND BELOW THE PLANTED TREE SHALL NOT EXCEED THE PRE-EXISTING SLOPE.

A 24A TREE PLANTING ON SLOPE

NOT TO SCALE




GENERAL NOTES:

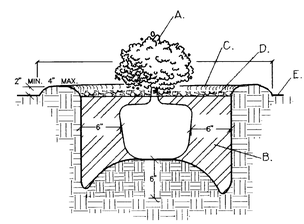
1. STABILIZE SOIL BELOW ROOT BALL PRIOR TO PLANTING TO PREVENT TREE FROM SETTLING.
2. TOP OF ROOTBALL INDICATES LEVEL AT WHICH TREE WAS GROWN AND DUG; THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED; THAT LEVEL MAY ONLY BE EXCEEDED BY A ONE INCH LAYER OF SOIL.
3. PRIOR TO BACKFILLING TREE. ALL WIRE, ROPE AND SYNTHETIC MATERIALS SHALL BE REMOVED FROM THE TREE AND THE PLANTING PIT.
4. PRIOR TO BACKFILLING, ALL BURLAP SHALL BE CUT AWAY FROM THE ROOTBALL.

CONSTRUCTION NOTES:

A. TREE.
B. PLANTING SOIL MIXTURE. (REF SPECIFICATIONS)
C. WATER RETENTION BASIN.
D. 3" DEPTH OF BARK MULCH.
E. FINISH GRADE.

B 24A ISOLATED TREE PLANTING

NOT TO SCALE




GENERAL NOTES:

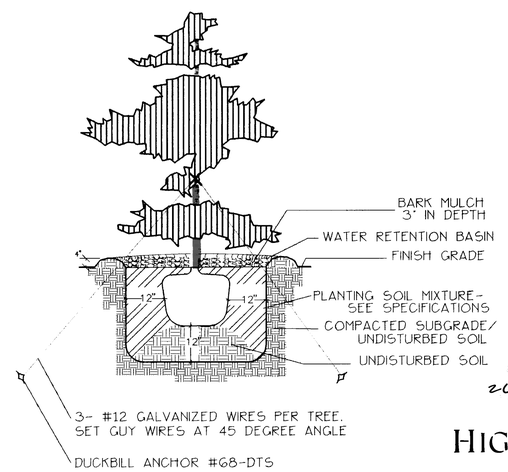
1. THE OUTSIDE DIAMETER OF THE WATER RETENTION BASIN SHALL BE TWICE THE DIAMETER OF THE SHRUB PLANTING PIT.

CONSTRUCTION NOTES:

A. SHRUB.
B. PLANTING SOIL MIXTURE (REF SPECIFICATIONS)
C. WATER RETENTION BASIN.
D. 3" DEPTH OF BARK MULCH.
E. FINISH GRADE.

C 24A ISOLATED SHRUB PLANTING

NOT TO SCALE




NOTE: REMOVE ALL WIRE AND SYNTHETIC MATERIALS FROM ROOTBALL PRIOR TO BACKFILLING. REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL. GUY TREE ONLY AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE.

D 24A EVERGREEN TREE PLANTING

NOT TO SCALE

26 4882.902494A

HIGH DESERT

BHI JOB NO. 93-03 PLANNED BY BY LASON

| AS BUILT INFORMATION | |
|---|---|
| CONTRACTOR | DATE: |
| WORK STAKED BY | DATE: |
| INSPECTOR'S APPROVAL | DATE: |
| FIELD VERIFICATION BY | DATE: |
| DRAWING CORRECTED BY | DATE: |
| MICRO-FILM INFORMATION | |
| RECORDED BY | DATE: |
| NO. | |

BENCH MARK

STATION IS A STANDARD USC&GS BRASS 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 DRIVE.

ELEV.=6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

NOT TO SCALE

PROFESSIONAL SEAL

9-16-94

OMIT SHEET 24 AND REPLACE WITH SHEETS 24A.

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GR DATE: 9/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: TRAILHEAD SUBDIVISION
GENERAL NOTES/PLANTING DETAILS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 4882.90 | F-23 | 24A | 25 |

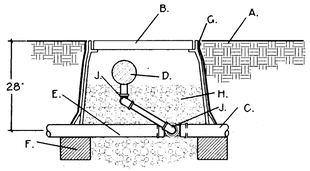
FILENAME: TRHDGEN.DWG

GENERAL NOTES:

1. INSTALL AN 8" X 8" X 16" SOLID CMU BLOCK AT EACH CORNER OF THE VALVE BOX.
2. WASH ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF PIPE AND VALVE.
3. AIR RELEASE VALVES SHALL BE INSTALLED AT ALL HIGH POINTS IN THE MAINLINE AND AS SHOWN ON THE PLANS.

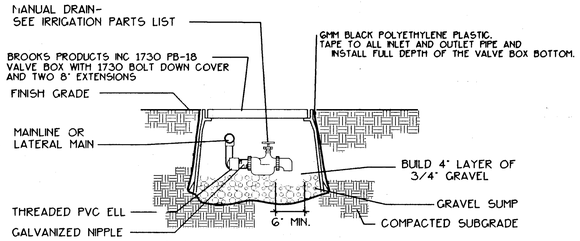
CONSTRUCTION NOTES:

A FINISH GRADE
B BROOKS PRODUCTS, INC. 2200 BODY (ABS) VALVE BOX WITH 2200 BOLT DOWN COVER (A S) AND ONE 8" EXTENSION.
C. IRRIGATION MAINLINE/LATERAL MAINLINE.
D. AIR RELEASE VALVE- SEE IRRIGATION PARTS LIST.
E 1 CUBIC FOOT 1" DIAMETER WASHED ROCK.
F 8" X 8" X 16" SOLID CMU BLOCK.
G 6 mm BLACK POLYETHYLENE PLASTIC. TAPE TO ALL INLET AND OUTLET PIPE. INSTALL THE FULL DEPTH OF THE VALVE BOX.
H 6" DEPTH OF 3/4" GRAVEL
J SCH 40 PVC STREET ELL



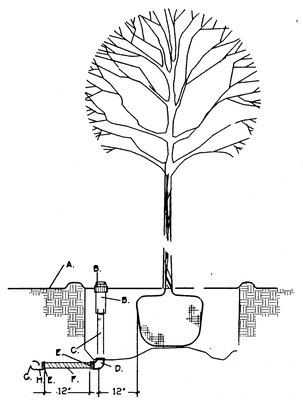

## A/25 AIR RELEASE VALVE

NOT TO SCALE




## B/25 MANUAL DRAIN

NOT TO SCALE




GENERAL NOTES:

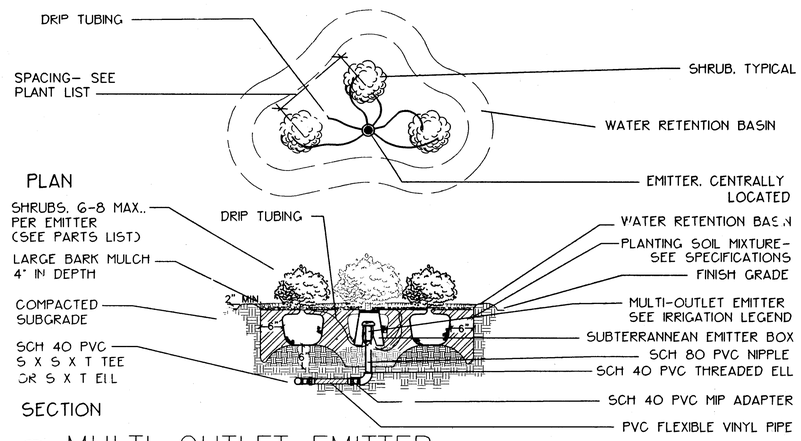
1. LATERAL LINE TESTING SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE FLEX PIPE ASSEMBLY. LATERAL TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELLS.
2. TOP OF BUBBLER SHALL BE SET FLUSH WITH MULCH.
3. BUBBLER SHALL ALWAYS BE INSTALLED ON THE UPHILL SIDE OF THE TREE.

CONSTRUCTION NOTES:

A FINISH GRADE
B POP-UP BUBBLER (SEE PLAN)
C SCH. 80 PVC NIPPLE. (LENGTH SHALL DEPEND ON THE SIZE OF THE SPRINKLER HEAD)
D SCH 40 PVC THREADED ELL.
E SCH 40 PVC MIP ADAPTER.
F PVC FLEXIBLE VINYL PIPE. STD IPS FROM AGRICULTURAL PRODUCTS
G LATERAL PIPE.
H SCH 40 PVC S X S X T TEE OR S X T ELL.

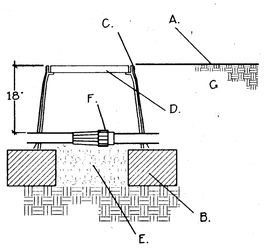
## C/25 POP-UP BUBBLER AT TREE

NOT TO SCALE




## D/25 MULTI-OUTLET EMITTER

NOT TO SCALE




A. FINISH GRADE
B. 8" X 8" X 16" SOLID CMU BLOCK.
C. 6MM BLACK POLYETHYLENE PLASTIC TAPE TO ALL INLET AND OUTLET PIPE. INSTALL FULL LENGTH OF VALVE BOX.
D. BROOKS PRODUCTS INC. 2200 BODY (ABS) VALVE BOX WITH 2200 BOLT DOWN COVER (ABS) AND 8" EXTENSIONS.
E. 4" LAYER OF 3/4" GRAVEL
F. INLINE PRESSURE REGULATOR- SEE IRRIGATION PARTS LIST AND PLAN.

## F/25 INLINE PRESSURE REGULATOR

NOT TO SCALE

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO. DATE

BENCH MARK

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

PROFESSIONAL SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

DESIGNED BY: TAG DATE: 3/94
DRAWN BY: CAM DATE: 3/94
CHECKED BY: GR DATE: 3/94

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4882.90 25 94


LAND PLANNER
LANDSCAPE ARCHITECT
*Design Workshop Inc.*
*120 East Main Street*
*Aspen, CO 81612*
*303 925 8354*

ENGINEER
*Bohannon-Huston Inc.*
*Courtyard I*
*7500 Jefferson NE*
*Albuquerque, NM 87109*
*505 823 1000*

OWNER
*High Desert Investment Corp.*
*PO Box 91976*
*Albuquerque, NM 87199*
*505 825 9360*


HIGH DESERT

SCANNED BY
BY LASON

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: HIGH DESERT TRAILHEAD
IRRIGATION DETAILS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | B.G.B. | 4/26/94 | WATER | N/A RWA | 4-1-94 |
| TRANSPORTATION | N/A RWP | 4.01.94 | WASTE WATER | N/A RWA | 4-1-94 |
| HYDROLOGY | N/A RW | 4/13/94 | | | |
| PARKS | N/A TS | 4-22-94 | | | |

DRAWING NO. 4882.90 MAP NO. F-23 SHEET 25 OF 25

FILE HIGHDES.DWG

# IRRIGATION NOTES

GENERAL

* WORK UNDER THIS SECTION CONSISTS OF INSTALLING A COMPLETE UNDERGROUND IRRIGATION SYSTEM AS SHOWN ON THESE PLANS, DETAILS AND SPECIFICATIONS. THE CONTRACTOR PERFORMING THIS WORK SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND PERMITS NECESSARY FOR THE COMPLETION OF THE IRRIGATION SYSTEM, EXCEPT FOR THOSE COMPONENTS SPECIFIED TO BE FURNISHED BY OTHERS.
* THE CONTRACTOR SHALL BE FAMILIAR WITH THESE PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER'S REPRESENTATIVE OF ANY ITEMS THAT ARE IN CONFLICT WITH THE PROPOSED CONTRACT.
* EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION FOR IRRIGATION LINES AND EQUIPMENT. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO TRENCHING. CALL N.M. ONE CALL AT 260-1990 FOR BLUE STAKING.
* ALL PLANT MATERIALS SHALL BE IRRIGATED WITH AUTOMATIC IRRIGATION SYSTEMS AS PER PLANS, DETAILS AND SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWING.
* WHERE TREES, LIGHT STANDARDS, ETC. ARE AN OBSTRUCTION OF PIPING AND DRIP EMITTERS, THEY SHALL BE ADJUSTED AND/ OR RELOCATED AS NECESSARY TO OBTAIN FULL COVERAGE WITHOUT EXCESSIVE OVERFLOW.
* CONTRACTOR SHALL FLUSH ALL LINES PRIOR TO INSTALLING HEADS AND EMITTERS.
* PLANS ARE DIAGRAMMATIC AND APPROXIMATE DUE TO SCALE OF DRAWINGS. ALL VALVES SHALL BE LOCATED IN PLANTING AREAS OR SODDED AREAS WHERE SHOWN AND ALL PIPING SHALL BE INSTALLED PRIOR TO LANDSCAPING OR PAVING WORK. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING. CAP ALL ENDS HAND TIGHT, PRIOR TO BACKFILL.
* COMPLY WITH REQUIREMENTS OF THE UNIFORM PLUMBING CODE AND ANY OTHER GOVERNMENTAL BODIES HAVING JURISDICTION.
* REFER TO IRRIGATION DETAILS, SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR ALL INSTALLATION PROCEDURES NOT FULLY DESCRIBED ON THE IRRIGATION PLANS.
* ALL BACKFILLING SHALL BE CLEAN MATERIAL FROM EXCAVATION. BACKFILLED TRENCH IS TO BE EVEN WITH EXISTING GRADES AFTER COMPACTION.
* TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO 85% PROCTOR DENSITY.
* ALL VALVES TO BE IN APPROVED VALVE BOXES. LOCATE VALVE BOXES IN GROUPS OF TWO OR THREE AND NEAR WALKWAYS WHEREVER POSSIBLE.
* COORDINATE PROGRAMS TO AVOID STATION OVERLAP.

COMPONENTS AND PRODUCTS

* ALL COMPONENTS INSTALLED AS THE UNDERGROUND IRRIGATION SYSTEM ARE TO BE NEW AND IN GOOD WORKING ORDER AND WITHOUT FLAWS UNLESS OTHERWISE INDICATED ON THE PLANS, DETAILS AND SPECIFICATIONS.
* IF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS DO NOT THOROUGHLY DESCRIBE THE METHOD OR TECHNIQUES TO BE USED FOR INSTALLATION, THEN THE CONTRACTOR SHALL FOLLOW THE INSTALLATION METHODS RECOMMENDED BY THE MANUFACTURER.
* ALL PLANT MATERIALS INSTALLED SHALL HAVE THE AUTOMATIC IRRIGATION SYSTEM FULLY OPERABLE AT THE TIME OF PLANT INSTALLATION.

WARRANTY AND MAINTENANCE

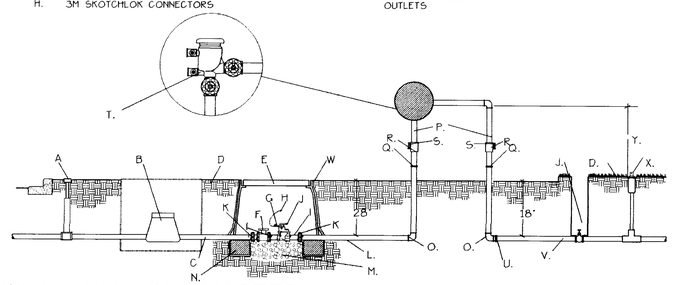
* THE CONTRACTOR SHALL FURNISH A CERTIFICATE OF WARRANTY AND A GUARANTEE OF WORK AND MATERIALS FOR A ONE YEAR PERIOD FROM DATE OF FINAL ACCEPTANCE. FINAL PAYMENT FOR THE SYSTEM SHALL NOT BE MADE UNLESS THIS CERTIFICATE IS PRESENTED TO THE OWNER.
* THE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM, IN SATISFACTORY WORKING ORDER, DURING THE TIME OF CONTRACT WOR
* THE CONTRACTOR SHALL BE LIABLE FOR ANY LOSS OR DAMAGE TO ANY WORK OR MATERIALS, SUPPLIES AND EQUIPMENT ON JOB SITE CAUSED BY THE CONTRACTOR, ITS EMPLOYEES OR ANY OTHER UNFORESEEN CAUSE UNTIL FINAL ACCEPTANCE OF PROJECT WITH THE OWNER'S REPRESENTATIVE

GENERAL NOTES

1. PVB'S UNAPPROVED FOR CONTAINMENT PROTECTION. EXCEPT FOR LAWN IRRIGATION SYSTEMS.
2. DO NOT INSTALL IN FLOOD PRONE AREAS.
3. DO NOT INSTALL PVB'S35" ABOVE GROUND LEVEL.
4. METALLIC RISER PIPING REQ'D.
5. JOINTS TO BE ADEQUATELY RESTRAINED.
6. HORIZONTAL INSTALLATION REQ'D. AS SHOWN.

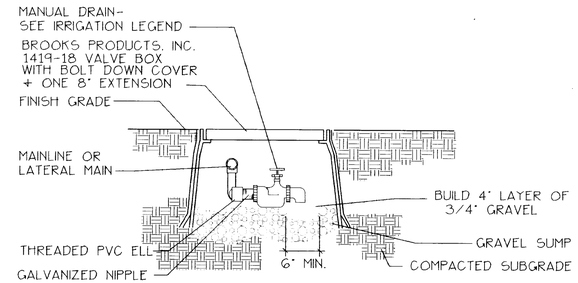
CONSTRUCTION NOTES

A. CURB STOP AND BOX.
B. METER.
C. SERVICE LINE. NO OUTLETS ALLOWED.
D. FINISH GRADE
E. BROOK'S PRODUCTS INC. 1730 PB-18 BODY (ABS) VALVE BOX WITH 1730 BOLT DOWN COVER (ABS) AND TWO 8" EXTENSIONS.
F. SPEARS TRUE UNION SCH 80 PVC BALL VALVE.
G. 24" WIRE EXPANSION COIL
H. 3M SKOTCHLOK CONNECTORS
I. SCHEDULE 80 PVC CLOSE NIPPLE
J. ELECTRIC OR MANUAL VALVE (SEE PLAN)
K. SPEARS SCH 80 PVC UNION
L. SCH 80 PVC NIPPLE.
M 1 CUBIC FOOT 1" DIAMETER WASHED ROCK.
N. 8" X 8" X 16" SOLID CMU BLOCK
O. GALVANIZED ELL
P. GALVANIZED NIPPLE
Q. GALVANIZED UNION, 4" ABOVE GRADE. MIN.
R GALVANIZED TEE
S. BALL DRAIN. CHAMPION DV050 1/2"
T. PRESSURE VACUUM BREAKER BACKFLOW PREVENTER (SEE PLAN)
U. PVC MP ADAPTER
V. MAINLINE/LATERAL MAINLINE
W. 6 mm BLACK POLYETHYLENE. TAPE TO ALL INLET AND OUTLET LINES.
X. SPRINKLER
Y. 12" MIN. ABOVE HIGHEST POINT OF ALL DOWNSTREAM PIPING AND OUTLETS



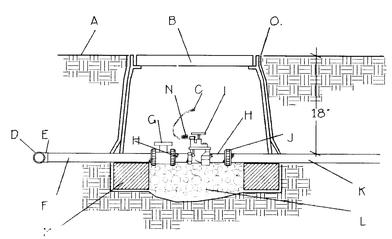

## (A/25A) IRRIGATION MASTER VALVE WITH PRESSURE VACUUM BREAKER

NOT TO SCALE




## (B/25A) MANUAL DRAIN

NOT TO SCALE




GENERAL NOTES:

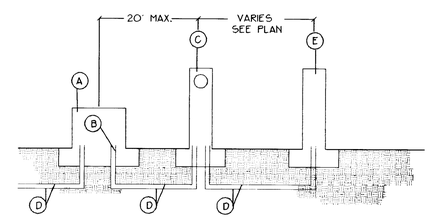
1. INSTALL AND 8" X 8" X 16" SOLID CMU BLOCK AT EACH CORNER OF THE VALVE BOX.
2. WASH ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF PIPE AND VALVE.

CONSTRUCTION NOTES:

A. FINISH GRADE
B. BROOKS PRODUCTS, INC. 1419-18 BODY (ABS) VALVE BOX WITH 1419 BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION.
C. 3M SCOTCHLOK CONNECTORS.
D. IRRIGATION MAINLINE/LATERAL MAINLINE.
E. IRRIGATION MAINLINE SERVICE TEE OR ELL.
F. SCHEDULE 80 PVC NIPPLE.
G. SPEARS TRUE UNION SCHEDULE 80 PVC BALL VALVE.
H. SCHEDULE 80 PVC CLOSE NIPPLE
I. ELECTRIC VALVE (SEE PLAN)
J. SPEARS SCHEDULE 80 PVC UNION.
K. LATERAL LINE.
L. 1 CUBIC FOOT 1" DIAMETER WASHED ROCK.
M. 8" X 8" X 16" SOLID CMU BLOCK.
N. 24" WIRE EXPANSION COIL.
O. 6 mm BLACK POLYETHYLENE PLASTIC. TAPE TO ALL INLET AND OUTLET PIPE.

## (C/25A) IRRIGATION ELECTRIC VALVE

NOT TO SCALE




(A) POWER TRANSFORMER. EXISTING
(B) SERVICE CONNECTION FOR IRRIGATION. COMPLETE
(C) METER PEDESTAL
(D) ELECTRICAL CONDUIT. 2" PVC
(E) IRRIGATION CONTROLLER. SEE SPECIFICATIONS

## (D/25A) ELECTRIC SERVICE FOR IRRIGATION

NOT TO SCALE

AS BUILT INFORMATION
CONTRACTOR DATE:
WORK STAKED BY DATE:
INSPECTOR'S APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE:
NO.

BENCH MARK
STATION IS A STANDARD USC&GS BRASS 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 DRIVE.
ELEV.=6009.155'

SURVEY INFORMATION
FIELD NOTES

| NO. | DATE | BY |
|---|---|---|
| | | |

PROFESSIONAL SEAL

9-16-94

OMIT SHEET 25 AND REPLACE WITH SHEETS 25A AND B.

| NO. | DATE | BY | REMARKS |
|---|---|---|---|
| | | | REVISIONS |

DESIGN
DESIGNED BY: GRAD DATE: 9/94
DRAWN BY: PA DATE: 9/94
CHECKED BY: GR DATE: 9/94

26 4882.902594A

HIGH DESERT

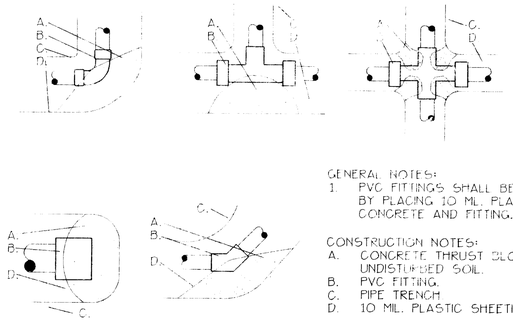
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: TRAILHEAD SUBDIVISION
GENERAL NOTES/IRRIGATION DETAILS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882 90 | MAP NO. F-23 | SHEET 25A OF 25

FILENAME: TRHDGEN.DWG

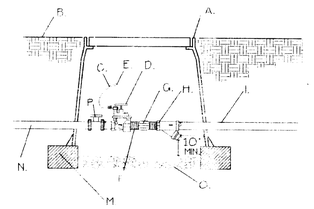



GENERAL NOTES:
1. PVC FITTINGS SHALL BE PROTECTED FROM CONCRETE BY PLACING 10 MIL. PLASTIC SHEETING BETWEEN CONCRETE AND FITTING.

CONSTRUCTION NOTES:
A. CONCRETE THRUST BLOCK PLACED AGAINST SOLID UNDISTURBED SOIL.
B. PVC FITTING.
C. PIPE TRENCH
D. 10 MIL. PLASTIC SHEETING.

## A/25B IRRIGATION THRUST BLOCKS

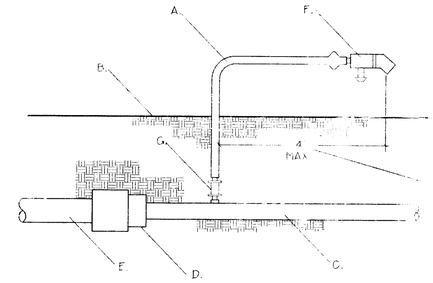
NOT TO SCALE




A. BROOKS PROJUCTS INC. 1419-PB-18 BODY CABSD VALVE BOX W. BOLT DOWN COVER.
B. FINISH GRADE
C. 24" WIRE LOOP
D. AUTOMATIC VALVE - SEE IRRIGATION LEGEND
E. DRY SPLICE CONNECTOR OR EQUAL
F. GALVALIZEL NIPPLE
G. GALVANIZED COUPLING
H. "WYE" STRAINER STRAINER SHALL BE INSTALLED TO PROVIDE ACCESS FOR MAINTENANCE AND REPLACEMENT OF FILTER
I. LATERAL LINE
M. 8" X 8" X 16" CMU CONCRETE BLOCK
N. SCH 80 PVC NIPPLE
O. 4" LAYER OF 3/4" GRAVEL
P. BALL VALVE

## B/25B DRIP VALVE/FILTER ASSEMBLY

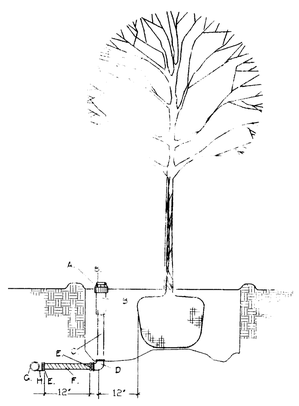
NOT TO SCALE




A. FLEXIBLE TUBING
B. FINISH GRADE
C. 1/2" POLY PIPE
D. PVC TO POLY ADAPTER - INSTALL IN VALVE BOX W/ INLINE PRESSURE REGULATOR
E. PVC PIPE
F. DRIP EMITTER - SEE IRRIGATION LEGEND
G. CONNECTION CLAMPS

NOTE:
DISTANCE BETWEEN EMITTER AND POINT WHERE FLEXIBLE POLY PIPE SURFACES ABOVE GRADE SHALL BE 4' MAXIMUM.

## C/25B PVC/POLY PIPE CONNECTION

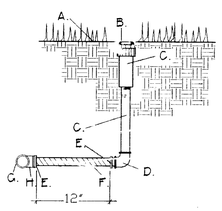



GENERAL NOTES:
1. LATERAL LINE TESTING SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE FLEX PIPE ASSEMBLY. LATERAL TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELLS.
2. TOP OF BUBBLER SHALL BE SET FLUSH WITH MULCH.
3. BUBBLER SHALL ALWAYS BE INSTALLED ON THE UPHILL SIDE OF THE TREE.

CONSTRUCTION NOTES:
A. FINISH GRADE
B. POP-UP BUBBLER (SEE PLAN)
C. SCH. 80 PVC NIPPLE (LENGTH SHALL DEPEND ON THE SIZE OF THE SPRINKLER HEAD)
D. SCH 40 PVC THREADED ELL
E. SCH 40 PVC MIP ADAPTER
F. PVC FLEXIBLE VINYL PIPE, STD IPS FROM AGRICULTURAL PRODUCTS
G. LATERAL PIPE
H. SCH 40 PVC S X S X T TEE OR S X T ELL.

## D/25B POP-UP BUBBLER AT TREE

NOT TO SCALE

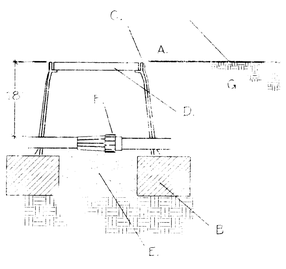



GENERAL NOTES:
1. THIS DETAIL SHALL BE USED FOR POP-UP SPRAY AND GEAR DRIVEN ROTARY SPRINKLER HEADS.
2. LATERAL LINE TESTING SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE FLEX PIPE ASSEMBLY. LATERAL TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELLS.
3. TOP OF SPRINKLER HEAD SHALL BE SET FLUSH WITH FINISH GRADE.

CONSTRUCTION NOTES:
A. FINISH GRADE
B. SPRINKLER HEAD (SEE PLAN)
C. SCH. 80 PVC NIPPLE, (LENGTH SHALL DEPEND ON THE SIZE OF THE SPRINKLER HEAD)
D. SCH 40 PVC THREADED ELL
E. SCH 40 PVC MIP ADAPTER
F. PVC FLEXIBLE VINYL PIPE, STD IPS FROM AGRICULTURAL PRODUCTS
G. LATERAL PIPE.
H. SCH 40 PVC S X S X T TEE OR S X T ELL.

## E/25B IRRIGATION SPRINKLER HEAD WITH FLEX PIPE ASSEMBLY

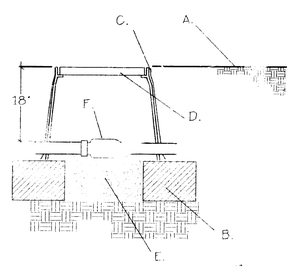
NOT TO SCALE




A. FINISH GRADE
B. 8" X 8" X 16" SOLID CMU BLOCK.
C. 6MM BLACK POLYETHYLENE PLASTIC TAPE TO ALL INLET AND OUTLET PIPE. INSTALL FULL LENGTH OF VALVE BOX.
D. BROOK'S PRODUCTS INC. 1419 BODY (ABS) VALVE BOX WITH 1419 BOLT DOWN COVER (ABS) AND 8" EXTENSION.
E. 4" LAYER OF 3/4" GRAVEL
F. INLINE PRESSURE REGULATOR - SEE IRRIGATION LEGEND AND PLAN.

## F/25B INLINE PRESSURE REGULATOR

NOT TO SCALE




A. FINISH GRADE
B. 8" X 8" X 16" SOLID CMU BLOCK.
C. 6MM BLACK POLYETHYLENE PLASTIC TAPE TO ALL INLET AND OUTLET PIPE. INSTALL FULL LENGTH OF VALVE BOX.
D. BROOK'S PRODUCTS INC. 1419 BODY (ABS) VALVE BOX WITH 1419 BOLT DOWN COVER (ABS) AND 8" EXTENSION.
E. 4" LAYER OF 3/4" GRAVEL
F. PVC SPRING CHECK VALVE - SEE IRRIGATION LEGEND AND PLAN.

## G/25B PVC SPRING CHECK VALVE

NOT TO SCALE

AS BUILT INFORMATION
CONTRACTOR — DATE:
WORK STAKED BY — DATE:
INSPECTOR'S APPROVAL — DATE:
FIELD VERIFICATION OF SAN
DRAWING CORRECTED BY — DATE:
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARK
STATION IS A STANDARD BRASS CAP AS
STAMPED "TUMBLE 1969" SET IN CONCRETE
PROJECTING 0.2 FEET ABOVE GROUND, ADJACENT
469 FEET WEST OF THE CENTERLINE OF SAN
ANTONIO DRIVE AND TENNYSON STREET AND
35 FEET NORTH OF RIGHT-OF-WAY
SAN ANTONIO DRIVE.
ELEV.=6092.155

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE
NOT TO SCALE

PROFESSIONAL SEAL
6-15-94

SHEET 25 AND REPLACE WITH SHEETS 25A AND B.

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |

DESIGNED BY: DATE: 9/94
DRAWN BY: DATE: 9/94
CHECKED BY: DATE: 9/94

26 4882 .90 2594B

HIGH DESERT

SCANNED BY BHI BY LASON

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: TRAILHEAD SUBDIVISION
IRRIGATION DETAILS

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| DRC CHAIRMAN | | | WATER | | |
| TRANSPORTATION | | | WASTE WATER | | |
| HYDROLOGY | | | | | |
| PARKS | | | | | |

DRAWING NO. 4882.90 | MAP NO. F-23 | SHEET 25B OF 25