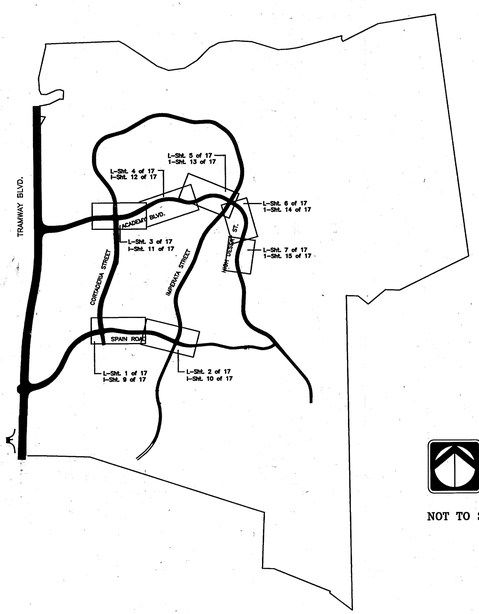
HIGH DESERT STREETSCAPE
PHASE II: ACADEMY, SPAIN, & HIGH DESERT ST. MEDIANS

DESIGNWORKSHOP, Inc.
ISSUE FOR CONSTRUCTION
DATE: JULY 7, 1995

HIGH DESERT
Albuquerque, New Mexico

Reference Map & Sheet Index



NOT TO SCALE

Design Team

Owner :
High Desert Investment Corporation
P. O. Box 91976
Albuquerque, NM 87199
(505) 823-9360
Mr. Douglas H. Collister

Landscape Architect :
Design Workshop, Inc.
310 South Mill Avenue
Suite 201
Tempe, AZ 85281
(602) 966-5881
Mr. Mark Soden

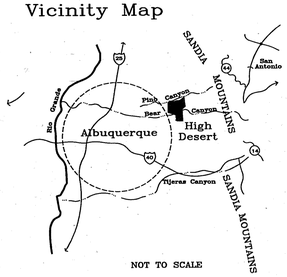
Irrigation/Landscape Consultant:
Bohannan-Huston, Inc.
Courtyard 1
7500 Jefferson St., NE
Albuquerque, NM 87109
(505) 823-1000
Mr. George Radnovich, Irrigation

Approvals

High Desert Investment Corporation

DATE

Vicinity Map



NOT TO SCALE

Notes

1. Existing Conditions from: Bohannan-Huston, Inc. Construction Plans for High Desert Subdivision phase - 1A & 1B Date: 12/93 Revisions 10/3/94 & 10/3/94 Respectively By: Bohannan-Huston, Inc.
2. 48 hours prior to start of construction the contractor shall contact: CALL BEFORE YOU DIG 1-260-1990.
3. Verify all conditions at the job site and notify Landscape Architect or owner's representative for dimensional errors, omissions, or discrepancies before beginning or fabricating any work. Do Not Scale Drawings. All grading as is. Visit site to verify.
4. Neither the Owner, Bohannan-Huston, nor Design Workshop, Inc., assumes any responsibility for the utilities or structuresnot shown, or not in the location shown on the drawings. Contractor to verify exact location of utilities prior to construction (CALL BEFORE YOU DIG 1-260-1990). The Contractor to check plans in High Desert Construction Office.
5. The Contractor shall take all precautionary measures necesary to protect existing improvements from damage and all such improvements and structures damaged by the Contractor's operations shall be repaired or reconstructed satisfactory to the City of Albuquerque at No Expense to the Owner.
6. Nothingcontained in the Contract Documents shall create, nor shall be contrived to create any contractural relationship between Design Workshop and the Contractor or any subcontractor.
7. Design Workshop is not responsible for construction means, methods, techniques, sequenses or saftey precautions or programs utilized in connection with the work, and will not be responsible for the Contractor's failure to carry out the work in accordance with Contract Documents.
8. Contractor to verify all quantities. In case of any discrepancies, graphically shown plant and hardscape quantities shall take precedence.
Contractor shall be responsible for all permits required including a topsoil disturbance permit from the city. Contractor shall be responsible for all dust and erosion control measures associated with the topsoil disturbance permit.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 2-5-98

Sheet Index

Planting Plans
0 of 17 Cover Sheet
1 of 17 Spain Road Planting
2 of 17 Spain Road Planting
3 of 17 Academy Blvd Planting
4 of 17 Academy Blvd Planting
5 of 17 Academy Blvd Planting
6 of 17 High Desert Rd Planting
7 of 17 High Desert Rd Planting
8 of 17 Planting Details

Irrigation Plans:
9 of 17 Spain Road Irrigation
10 of 17 Spain Road Irrigation
11 of 17 Academy Blvd Irrigation
12 of 17 Academy Blvd Irrigation
13 of 17 Academy Blvd Irrigation
14 of 17 High Desert Rd Irrigation
15 of 17 High Desert Rd Irrigation
16 of 17 Irrigation Dtls
17 of 17 Irrigation Dtls

STATE OF NEW MEXICO
DAVID DANIELL
121
REGISTERED LANDSCAPE ARCHITECT
12-2-98
As Built

Abbreviations

BW	Bottom of Wall
CL	Center Line
EJ	Expansion Joint
EQ	Equal
FG	Finish Grade
N.I.C.	Not in Contract
SJ	Score Joint
ST. PT.	Station Point
TC	Top of Curb
TW	Top of Wall
TYP.	Typical

STATE OF NEW MEXICO
JOHN CULBERTSON
No. 228
REGISTERED LANDSCAPE ARCHITECT
8-14-95

Legend

Project Boundary
Project Curb and Gutter
Existing Edge of Roadway
Sanitary Sewer Line
Storm Drain Line

Notice to Contractors

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.
- ☐ TACT 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 DAMAGE AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

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 the City of Alburquerque Standard Specification for Public Works Construction. Latest Edition.
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 location of all obstructions. Shold 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 Construction 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 Spcifications.
5. Centerline Monuments are existing and shall not be disturbed. 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 the City Surveyor. When a change is made in the finished elevation of the pavement of any roadway in which a pemanent survey monument is located, the 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.
6. Any work affecting an arterial roadway requires twenty-four (24) hour construction.

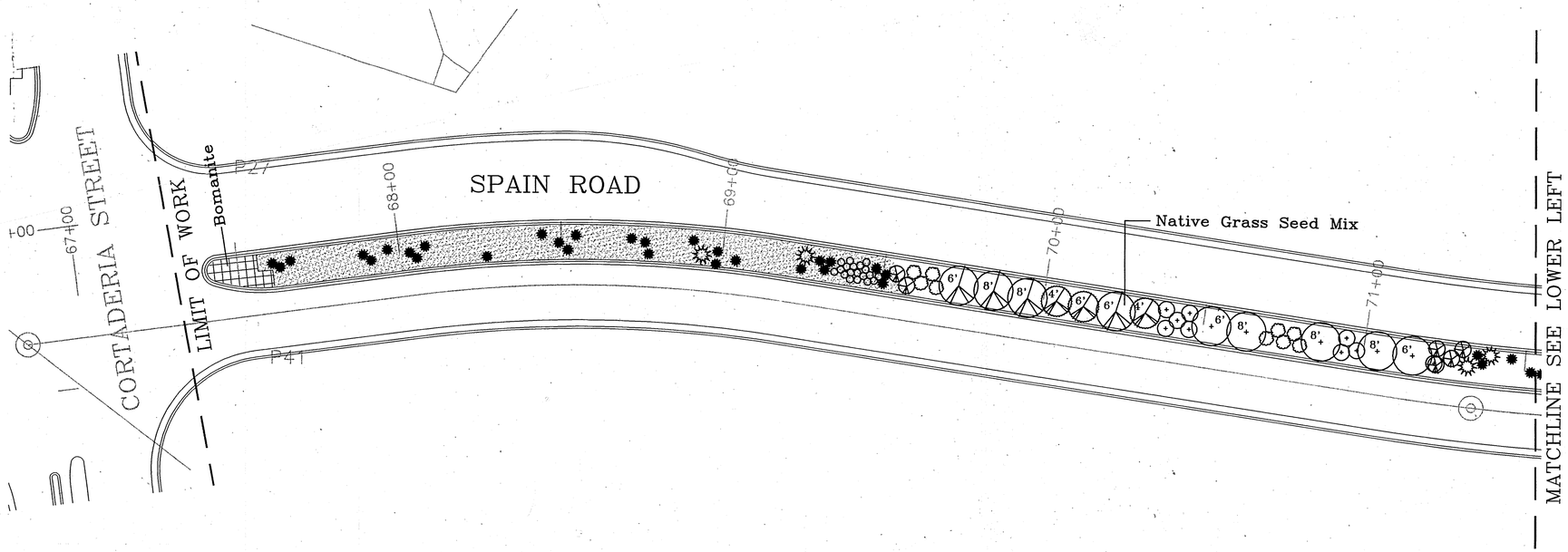
REV	SHEETS	CITY ENGINEER	DATE	TRANSPORTATION / UTILITY DEV. / HYDROLOGY / DRC CHAIRMAN: USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF REVISIONS

APPROVED FOR CONSTRUCTION
11/13/96
C.E

MAP NUMBER	E-23,F-23	PROJECT NUMBER	5189.91	SHEET	0 OF 17

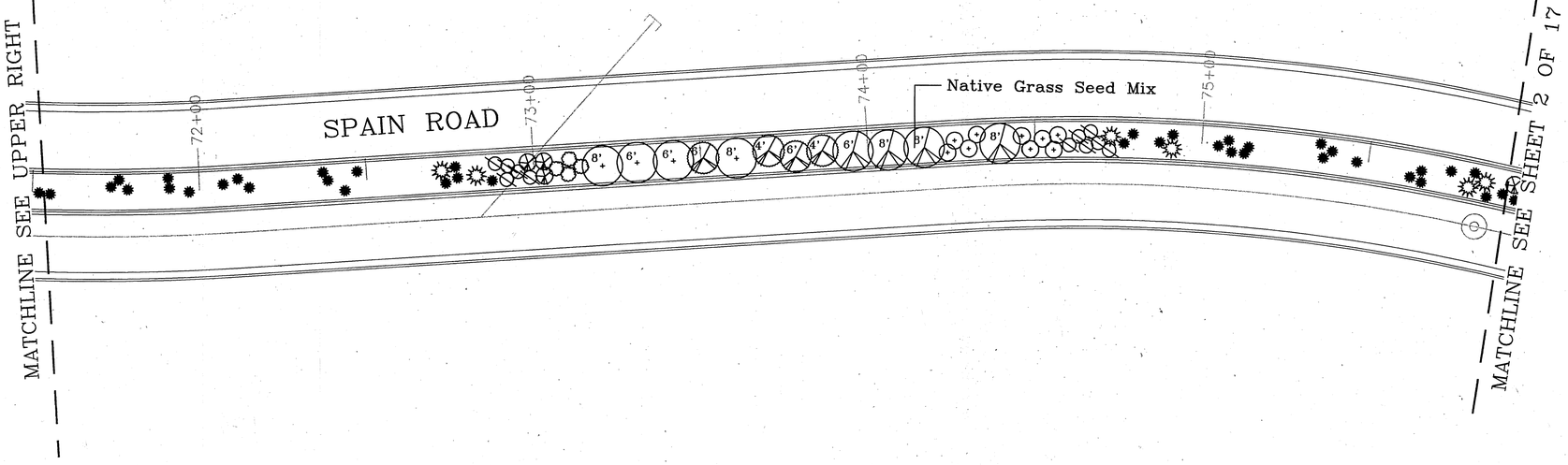
216-15189.911 0197



0' 10' 20' 60'

1/1 SPAIN ROAD PLANTING PLAN

SCALE: 1" = 20'-0"

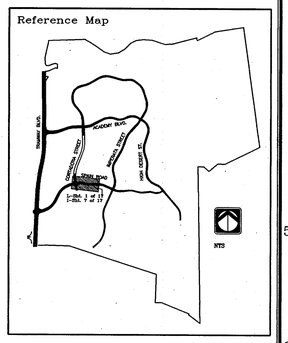


0' 10' 20' 60'

2/1 SPAIN ROAD PLANTING PLAN

SCALE: 1" = 20'-0"

Reference Map



QTY PLANT KEY

Trees (Common Name)

QTY	Plant	
4	4'	One-seeded Juniper(4')
3	6'	One-seeded Juniper(6')
3	6'	Pinon Pine(6')
5	8'	Pinon Pine(8')
4	6'	Gambel Oak(6')
5	8'	Gambel Oak(8')

Shrubs/Groundcovers

QTY	Plant
11	Prairie Sage
7	Winterfat
9	Chamisa
17	Apache Plume
13	Skunkbush Sumac
70	Yucca
10	Cholla

Native Wildflower Seed Mix

Note: Native Grasses Seed Mix to be Distributed throughout median area, except wherewildflower mix is shown.

PLANTING NOTES

1. All finished grades shall provide for natural runoff of water without low spots or pockets. set flow lines accurately and provide a minimum 2% and maximum 3% gradient unless otherwise noted.
2. Gradually round off tops of all planted slopes to produce a smooth and natural appearing transition between relatively level areas and slopes.
3. Surface shall be raked free of stones larger than 2" and extraneous materials and debris to a smooth and even surface. All extraneous matter will be disposed of by landscape contractor.
4. Landscape Contractor shall be responsible for locating and noting any underground utility prior lines prior to grading, trenching, planting, or other related site work. Restoration of utilities damaged by the Contractor shall be made at the Contractor's expense to the satisfaction of the Owner and/or governing agency. Call before you dig: (505) 260-1990.
5. All plants shall be placed in location as specified except for minor adjustments made necessary by underground obstructions or other unforseen causes.
6. Install trees a minimum of 4' & shrubs a minimum of 2' from back of curb, edge of walk or paving.
7. A complete list of plant, including a schedule of quantities, sizes and other requirements is shown on the Drawings (See plant schedule for key and classification). In the event that discrepancies occur between the quantities of the plants included in the plant list and as indicated on the plan, the plant quantities indicated on the plan shall govern.
8. Substitutions shall not be made unles specified landscape material is not obtainable. Substituions shall be only if non-availablility is proven to Landscape Architect or Owner.

AS-BUILT INFORMATION

CONTRACTOR		
WORK STAKED BY		
STAKING CHECKED BY		
ACCEPTANCE BY		DATE
INSPECTOR		
VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		
		DATE

MICRO-FILM INFORMATION

RECORDED BY

NO.

DESIGN WORKSHOP, INC.
LANDSCAPE ARCHITECTURE
LAND PLANNING
URBAN DESIGN

310 SOUTH MILL AVENUE, SUITE 201
TEMPE, ARIZONA 85281
(602) 966-5881

STATE OF NEW MEXICO
KURT CULBERTSON
No. 223
REGISTERED LANDSCAPE ARCHITECT
8-7-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

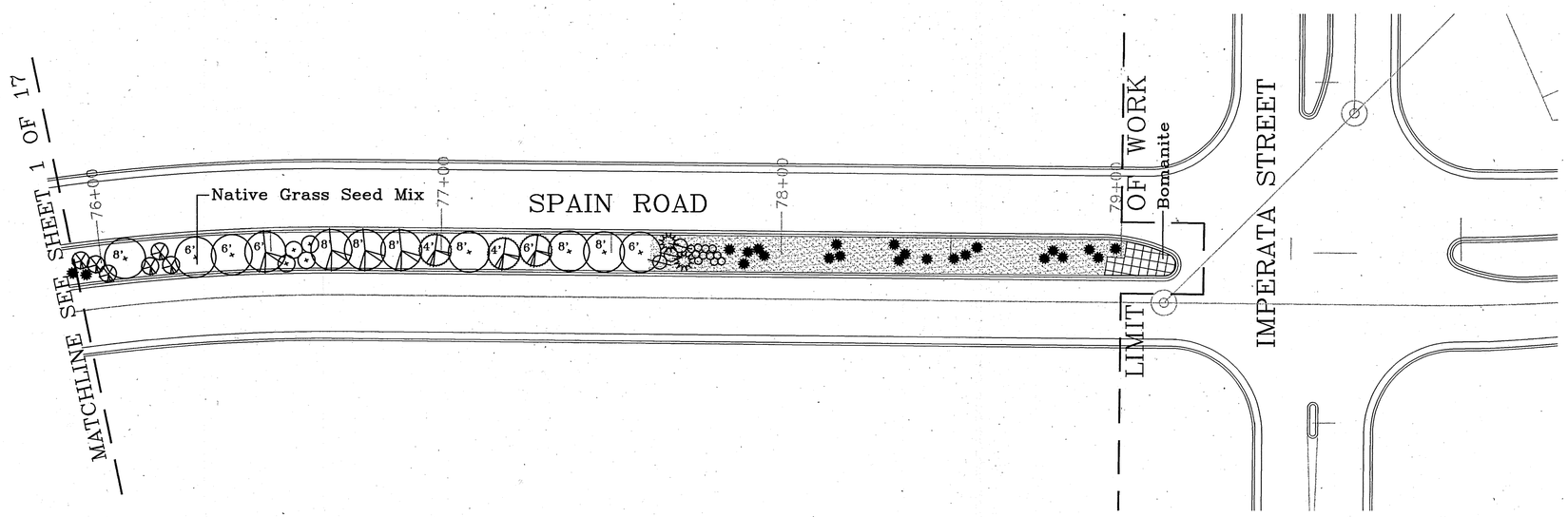
JOB NO. 853	DATE JULY 7, 1995		
DRAWN BY KB	DATE	REV	
CHECKED BY MWS, JH	DATE		

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT SUBDIVISION
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHAIRMAN		9-26-95	HYD		9-7-95
TRANSPORTATION		9-26-95			
U.D.D		9-26-95			
PARKS		10/31/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23,F-23	1 OF 17

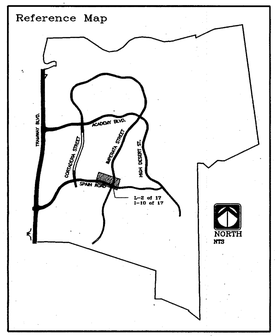


NORTH 0' 10' 20' 60'

1/2 SPAIN ROAD PLANTING PLAN

SCALE: 1" = 20'-0"

Reference Map



QTY PLANT KEY

Trees (Common Name)

QTY	Plant
2	One-seeded Juniper(4')
1	One-seeded Juniper(6')
1	Pinon Pine(6')
3	Pinon Pine(8')
3	Gambel Oak(6')
4	Gambel Oak(8')

Shrubs/Groundcovers

QTY	Plant
3	Prairie Sage
4	Winterfat
6	Chamisa
4	Apache Plume
0	Skunkbush Sumac
22	Yucca
2	Cholla

Native Wildflower Seed Mix

Note: Native Grasses Seed Mix to be Distributed throughout median area, except wherewildflower mix is shown.

PLANTING NOTES

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AS-BUILT INFORMATION

CONTRACTOR / WORK STAKED BY / INSPECTOR'S ACCEPTANCE BY / FIELD VERIFIED BY / DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY / DATE / NO.

DESIGN WORKSHOP, INC.
LANDSCAPE ARCHITECTURE
LAND PLANNING
URBAN DESIGN

310 SOUTH MILL AVENUE, SUITE 201
TEMPE, ARIZONA 85281
(602) 966-5881

STATE OF NEW MEXICO — HAL JOHNSTON No. 223 — REGISTERED LANDSCAPE ARCHITECT — 8-7-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

JOB NO. 853 — DATE JULY 7, 1995
DRAWN BY KB — DATE — REV
CHECKED BY MWS, JH — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT SUBDIVISION

PHASE II MEDIANS
ACADEMY, SPAIN & HIGH DESERT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHAIRMAN		9-26-95	HVD		9-7-95
TRANSPORTATION		9-26-95			
U.D.D.	N/A	8-30-95			
Parks		10/31/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23,F-23	2 OF 17

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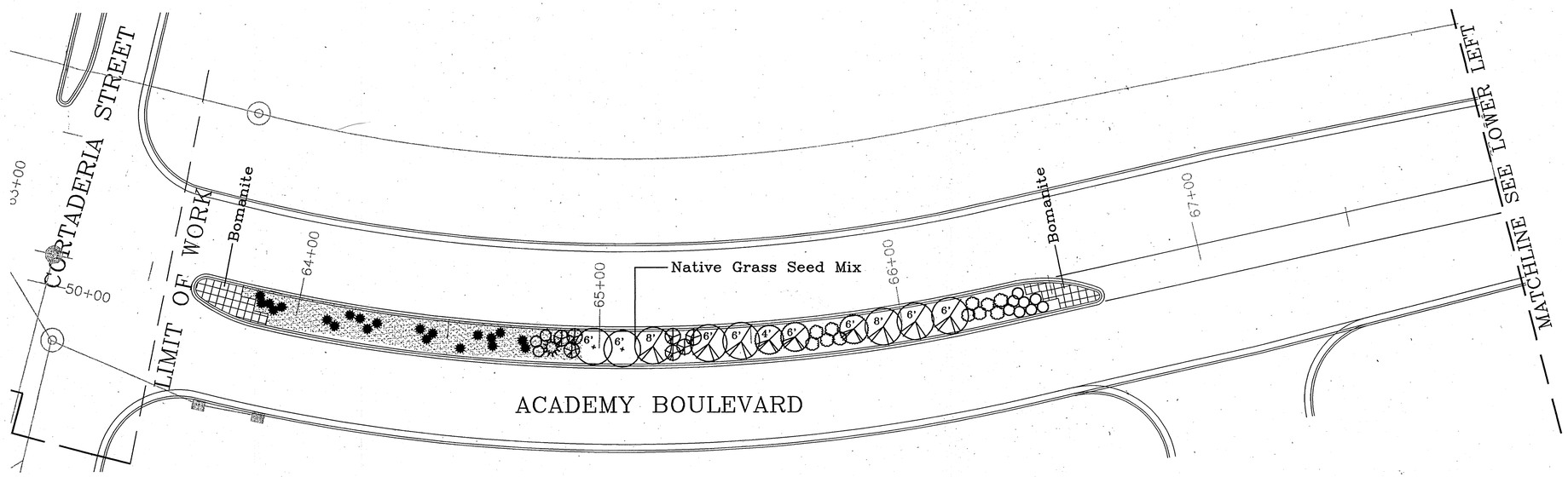
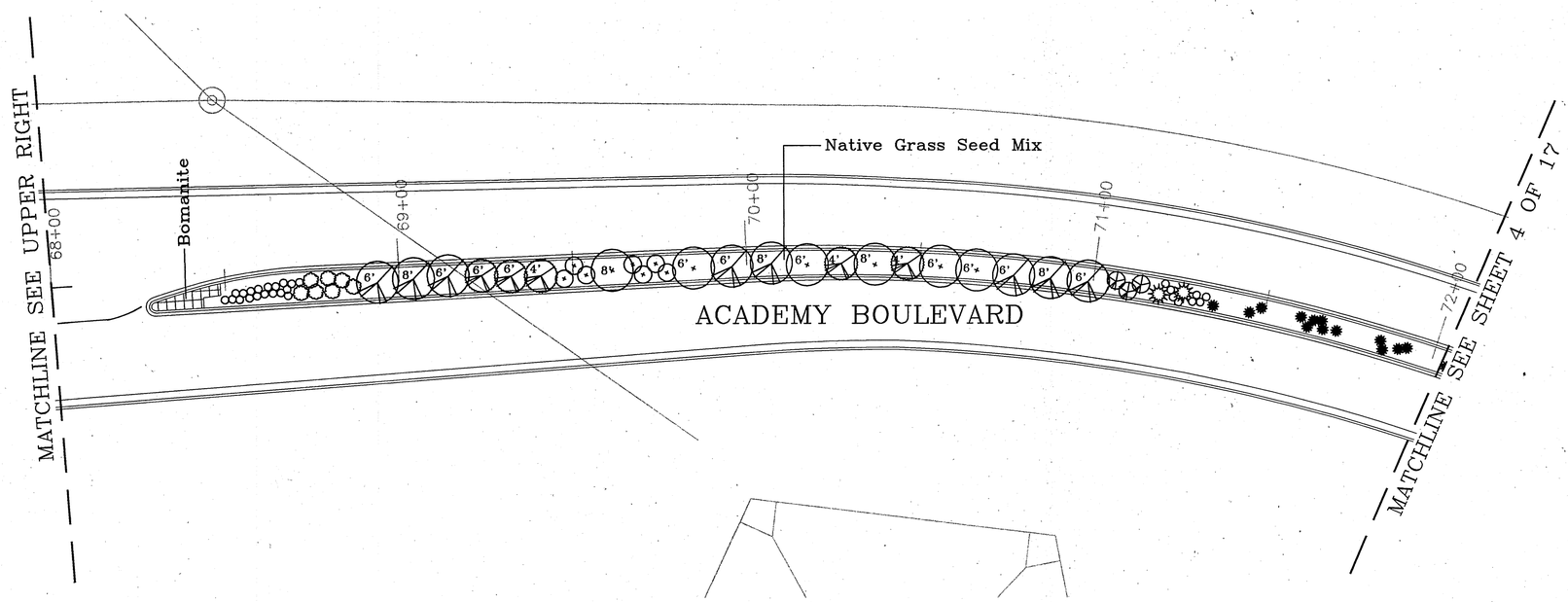
96-518991.911 0497



NORTH 0' 10' 20' 60'

1/3 ACADEMY BOULEVARD PLANTING PLAN

SCALE: 1" = 20'-0"

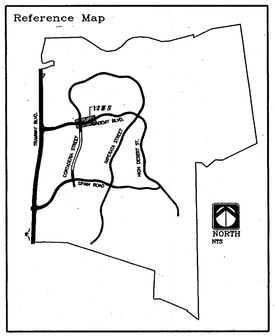


NORTH 0' 10' 20' 60'

2/3 ACADEMY BOULEVARD PLANTING PLAN

SCALE: 1" = 20'-0"

Reference Map



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QTY	Plant
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22	Winterfat
10	Chamisa
7	Apache Plume
18	Skunkbush Sumac
34	Yucca
3	Cholla

Native Wildflower Seed Mix

Note: Native Grasses Seed Mix to be Distributed throughout median area, except wherewildflower mix is shown.

PLANTING NOTES

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AS-BUILT INFORMATION

		DATE
CONTRACTOR		
WORK STAKED BY		
INSPECTED BY		
ACCEPTANCE BY		DATE
LOCATIONS VERIFIED BY		
DRAWINGS CORRECTED BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		
NO.		

DESIGN WORKSHOP, INC.
LANDSCAPE ARCHITECTURE
LAND PLANNING
URBAN DESIGN

310 SOUTH MILL AVENUE, SUITE 201
TEMPE, ARIZONA 85281
(602) 966-5581

STATE OF NEW MEXICO
REGISTERED LANDSCAPE ARCHITECT
No. 223
6-7-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

JOB NO. 853 DATE JULY 7, 1995
DRAWN BY KB REV. JULY 14, 1995
CHECKED BY MWS, JH DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT SUBDIVISION

PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHAIRMAN		9-26-95	HYD		9-7-95
TRANSPORTATION		9-26-95			
U.D.D.	N.A.	8-30-95			
Parks		10/11/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23,F-23	3 OF 17

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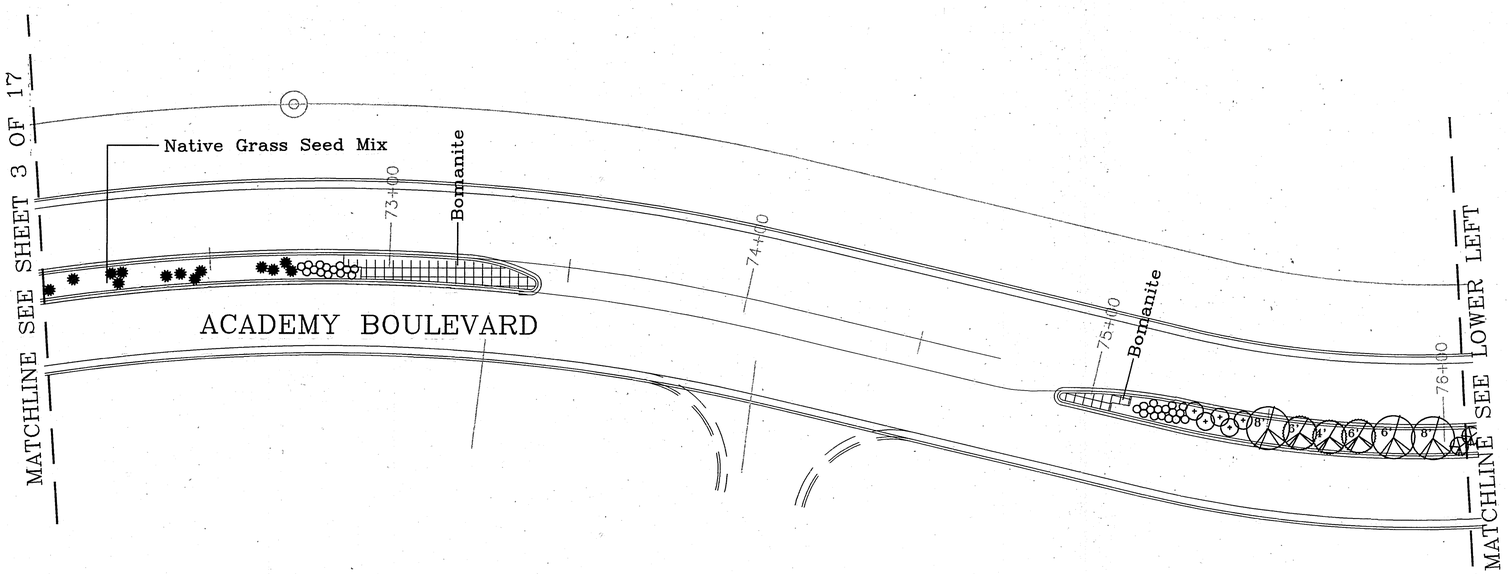
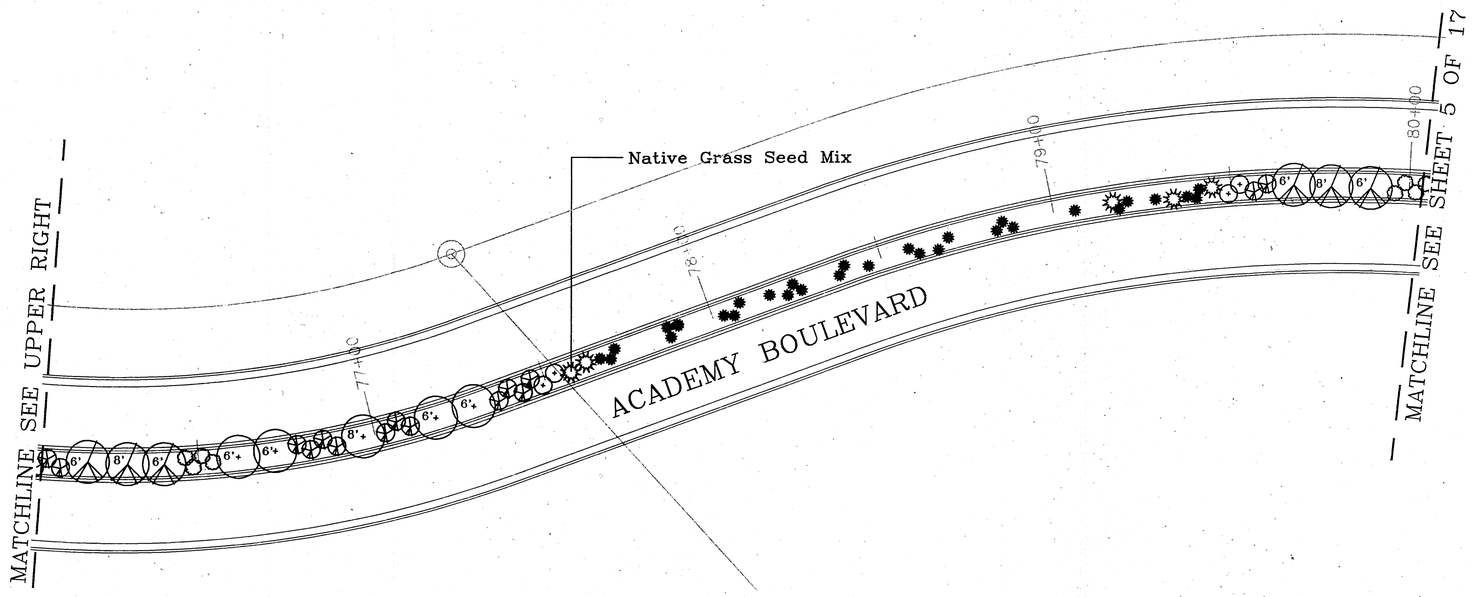


NORTH 0' 10' 20' 60'

1/4 ACADEMY BOULEVARD PLANTING PLAN

SCALE: 1" = 20'-0"

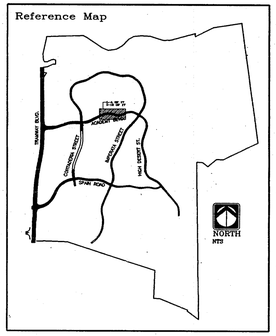


NORTH 0' 10' 20' 60'

2/4 ACADEMY BOULEVARD PLANTING PLAN

SCALE: 1" = 20'-0"

Reference Map



QTY PLANT KEY

Trees (Common Name)

1 — One-seeded Juniper(4')
2 — One-seeded Juniper(6')
5 — Pinon Pine(6')
4 — Pinon Pine(8')
4 — Gambel Oak(6')
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Shrubs/Groundcovers

0 — Prairie Sage
13 — Winterfat
16 — Chamisa
9 — Apache Plume
11 — Skunkbush Sumac
43 — Yucca
5 — Cholla

Native Wildflower Seed Mix

Note: Native Grasses Seed Mix to be Distributed throughout median area, except wherewildflower mix is shown.

PLANTING NOTES

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AS-BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTED BY — DATE
ACCEPTANCE BY
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY
NO.

DESIGN WORKSHOP, INC.
LANDSCAPE ARCHITECTURE
LAND PLANNING
URBAN DESIGN

310 SOUTH MILL AVENUE, SUITE 201
TEMPE, ARIZONA 85281
(602) 966-5881

STATE OF NEW MEXICO — CLARENCE No. 228 — REGISTERED LANDSCAPE ARCHITECT — 8-7-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DATE JULY 7, 1995
JOB NO. 853
DRAWN BY KB
CHECKED BY MWS, JH
DATE
REV
DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT SUBDIVISION
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHAIRMAN		9-21-95	HYD	JC	9-7-95
TRANSPORTATION		9-21-95			
U.D.D.	N/A	8-30-95			
Parks		10/6/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23,F-23	4 OF 17

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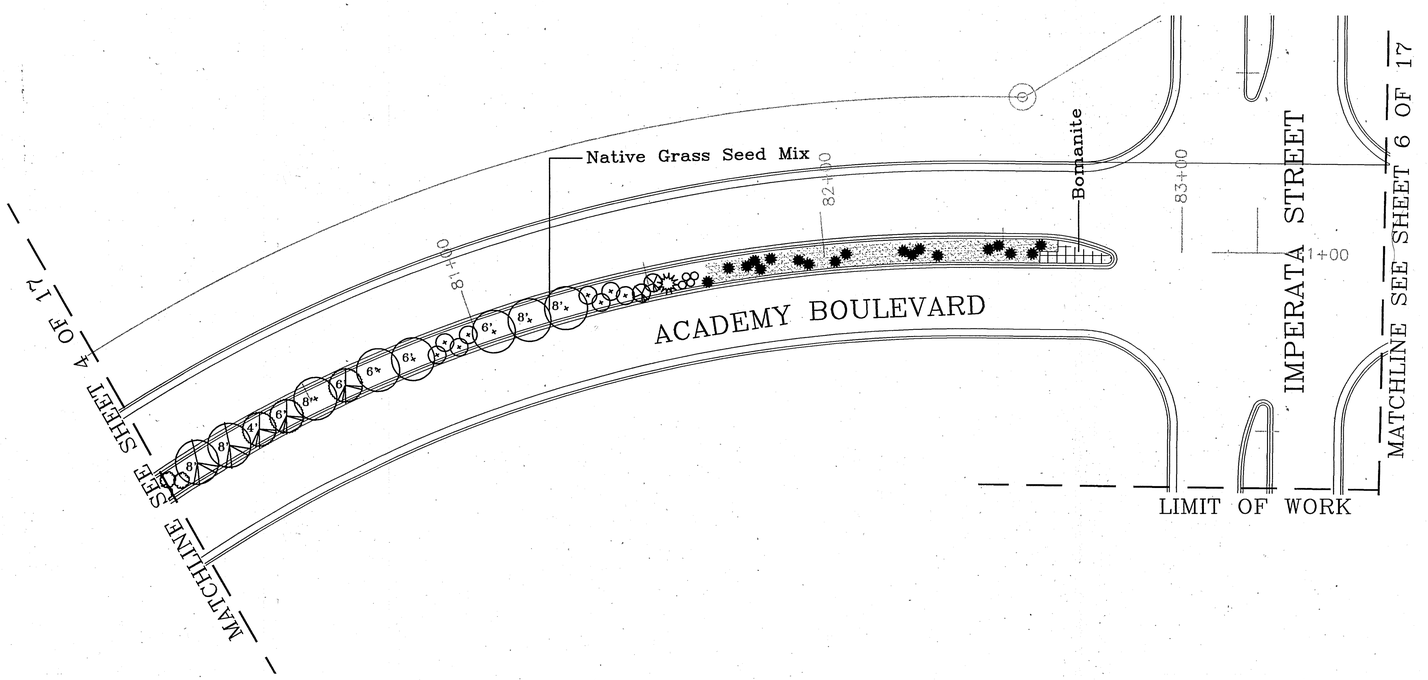
0169-7

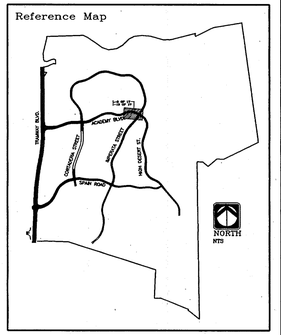


NORTH 0' 10' 20' 60'

1/5 ACADEMY BOULEVARD PLANTING PLAN

SCALE: 1" = 20'-0"

Reference Map



QTY PLANT KEY

Trees (Common Name)

QTY	Symbol	Plant
1	4'	One-seeded Juniper(4')
2	6'	One-seeded Juniper(6')
0	6'	Pinon Pine(6')
2	8'	Pinon Pine(8')
3	6'*	Gambel Oak(6')
3	8'*	Gambel Oak(8')

Shrubs/Groundcovers

QTY	Plant
0	Prairie Sage
4	Winterfat
2	Chamisa
8	Apache Plume
2	Skunkbush Sumac
19	Yucca
1	Cholla

Native Wildflower Seed Mix

Note: Native Grasses Seed Mix to be Distributed throughout median area, except wherewildflower mix is shown.

PLANTING NOTES

1. All finished grades shall provide for natural runoff of water without low spots or pockets. set flow lines accurately and provide a minimum 2% and maximum 3% gradient unless otherwise noted.
2. Gradually round off tops of all planted slopes to produce a smooth and natural appearing transition between relatively level areas and slopes.
3. Surface shall be raked free of stones larger than 2" and extraneous materials and debris to a smooth and even surface. All extraneous matter will be disposed of by landscape contractor.
4. Landscape Contractor shall be responsible for locating and noting any underground utility prior lines prior to grading, trenching, planting, or other related site work. Restoration of utilities damaged by the Contractor shall be made at the Contractor's expense to the satisfaction of the Owner and/or governing agency. Call before you dig: (505) 260-1990.
5. All plants shall be placed in location as specified except for minor adjustments made necessary by underground obstructions or other unforseen causes.
6. Install trees a minimum of 4' & shrubs a minimum of 2' from back of curb, edge of walk or paving.
7. A complete list of plant, including a schedule of quantities, sizes and other requirements is shown on the Drawings (See plant schedule for key and classification). In the event that discrepancies occur between the quantities of the plants included in the plant list and as indicated on the plan, the plant quantities indicated on the plan shall govern.
8. Substitutions shall not be made unles specified landscape material is not obtainable. Substituions shall be only if non-availablility is proven to Landscape Architect or Owner.

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
NO.

DESIGN WORKSHOP, INC.
LANDSCAPE ARCHITECTURE
LAND PLANNING
URBAN DESIGN

310 SOUTH MILL AVENUE, SUITE 201
TEMPE, ARIZONA 85281
(602) 966-5881

STATE OF NEW MEXICO
CHARLES ULLERICH SCHOW
No. 220
REGISTERED LANDSCAPE ARCHITECT
9-7-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

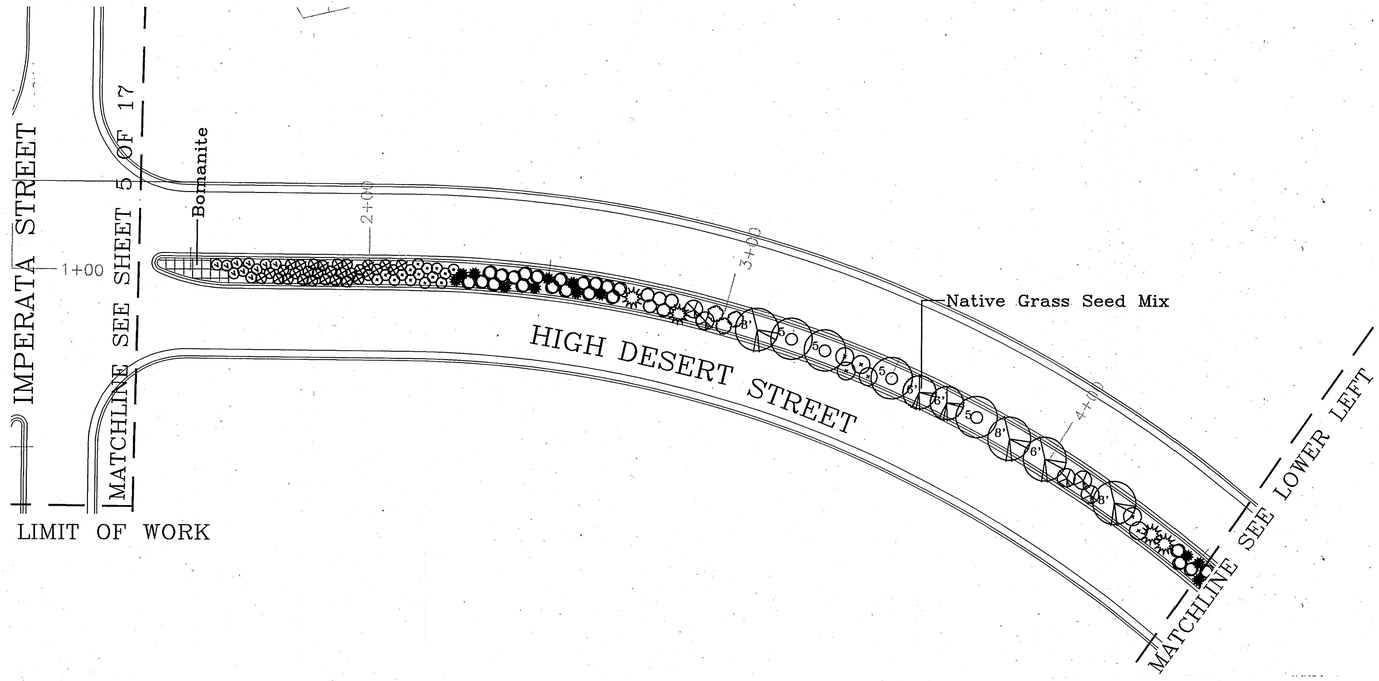
JOB NO. 853 | DATE JULY 7, 1995
DRAWN BY KB | DATE | REV
CHECKED BY MWS, JH | DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT SUBDIVISION
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT

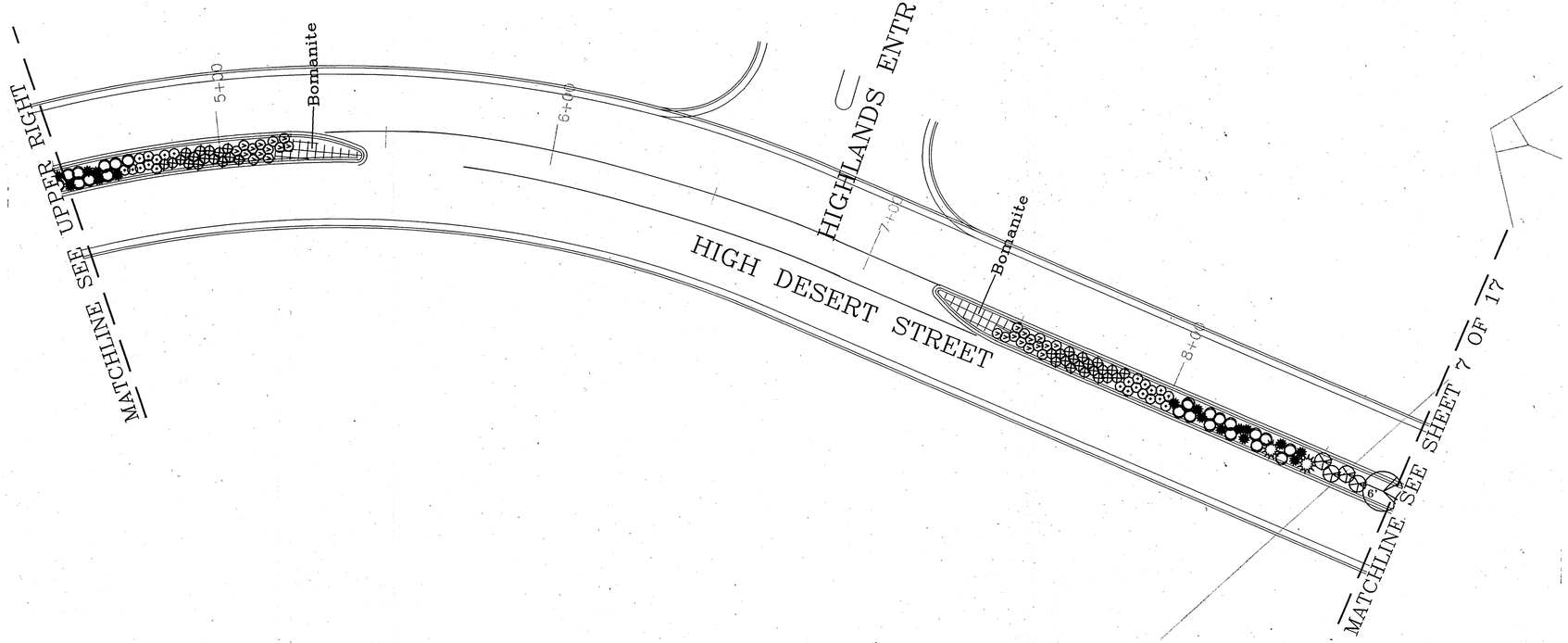
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHAIRMAN		9-26-95	HYD	JC	9-7-95
TRANSPORTATION		8-01-95			
U.D.O.	N/A	8-30-95			
Parks		10/3/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23,F-23	5 OF 17



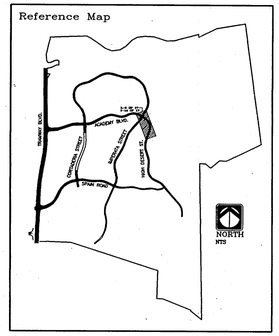
1/6 HIGH DESERT STREET PLANTING PLAN

SCALE: 1" = 20'-0"



2/6 HIGH DESERT STREET PLANTING PLAN

SCALE: 1" = 20'-0"



QTY	PLANT KEY
	Trees (Common Name)
3	Three Leaf Sumac (5 Gal.)
2	One-seeded Juniper(6')
2	Pinon Pine(6')
3	Pinon Pine(8')
1	Little Leaf Sumac (5 Gal.)
0	Shrub Oak(5 gal.)
	Shrubs/Groundcovers
42	Beargrass
0	Prairie Sage
15	Winterfat (represents 3 plants)
9	Chamisa
6	Apache Plume
3	Skunkbush Sumac
6	Cholla
26	Yucca
38	Moonshine Yarrow
65	Rocky Mountain Penstemon
36	Autumn Sage
	Native Wildflower Seed Mix

Note: Native Grasses Seed Mix to be Distributed throughout median area, except wherewildflower mix is shown.

PLANTING NOTES

1. All finished grades shall provide for natural runoff of water without low spots or pockets. set flow lines accurately and provide a minimum 2% and maximum 3% gradient unless otherwise noted.
2. Gradually round off tops of all planted slopes to produce a smooth and natural appearing transition between relatively level areas and slopes.
3. Surface shall be raked free of stones larger than 2" and extraneous materials and debris to a smooth and even surface. All extraneous matter will be disposed of by landscape contractor.
4. Landscape Contractor shall be responsible for locating and noting any underground utility prior lines prior to grading, trenching, planting, or other related site work. Restoration of utilities damaged by the Contractor shall be made at the Contractor's expense to the satisfaction of the Owner and/or governing agency. Call before you dig: (505) 260-1990.
5. All plants shall be placed in location as specified except for minor adjustments made necessary by underground obstructions or other unforseen causes.
6. Install trees a minimum of 4' & shrubs a minimum of 2' from back of curb, edge of walk or paving.
7. A complete list of plant, including a schedule of quantities, sizes and other requirements is shown on the Drawings (See plant schedule for key and classification). In the event that discrepancies occur between the quantities of the plants included in the plant list and as indicated on the plan, the plant quantities indicated on the plan shall govern.
8. Substitutions shall not be made unles specified landscape material is not obtainable. Substituions shall be only if non-availablility is proven to Landscape Architect or Owner.

AS-BUILT INFORMATION

CONTRACTOR		
WORK STAKED BY		DATE
AS-BUILT BY		
ACCEPTANCE BY		DATE
INSPECTOR BY		
VERIFICATION BY		DATE
LANDINGS CORRECTED BY		
MICRO-FILM INFORMATION		
RECORDED BY		
NO.		

DESIGN WORKSHOP, INC.
LANDSCAPE ARCHITECTURE
LAND PLANNING
URBAN DESIGN

310 SOUTH MILL AVENUE, SUITE 201
TEMPE, ARIZONA 85281
(602) 966-5881

STATE OF NEW MEXICO
CALDERTSON
NO. 228
REGISTERED LANDSCAPE ARCHITECT
6-7-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

JOB NO. 853 DATE JULY 7, 1995
DRAWN BY KB DATE REV: 7/12/95
CHECKED BY WKS, JH DATE REV: 7/14/95

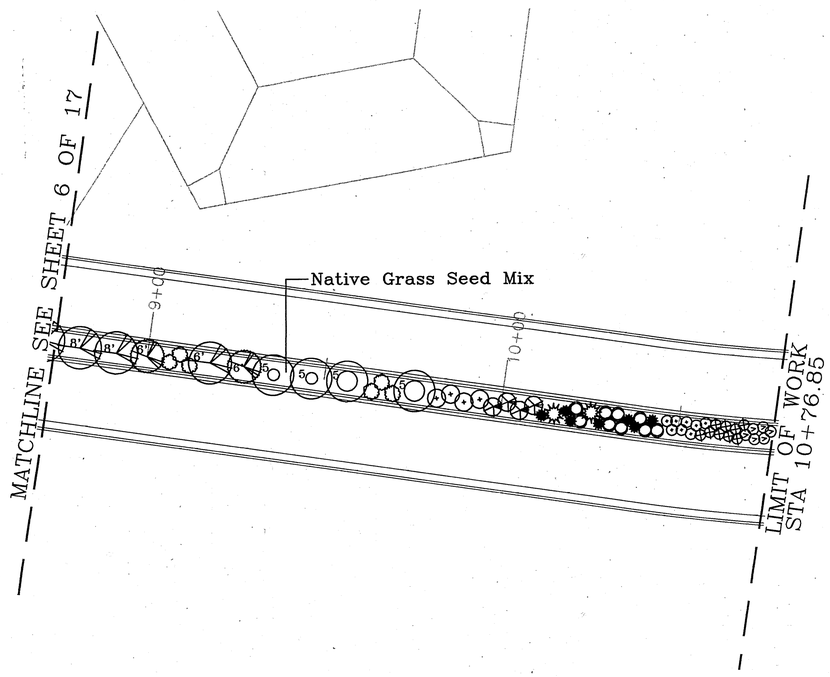
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT SUBDIVISION
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHAIRMAN		9-7-95	HYD	JC	9-7-95
TRANSPORTATION		9-01-95			
U.D.D.		8-30-95			
Parks		10/3/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23,F23	6 OF 17

261-15189.dwl 07797
261-15189.dwl 08777

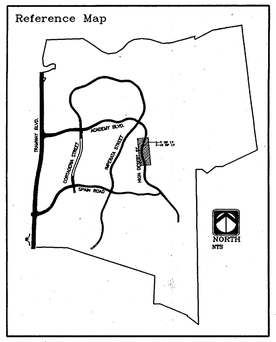


NORTH 0' 10' 20' 60'

1/7 HIGH DESERT STREET PLANTING PLAN

SCALE: 1" = 20'-0"

Reference Map



QTY PLANT KEY

Trees (Common Name)

- 1 — Three Leaf Sumac (5 Gal.)
- 2 — One-seeded Juniper(6')
- 1 — Pinon Pine(6')
- 2 — Pinon Pine(8')
- 1 — Little Leaf Sumac (5 Gal.)
- 2 — Shrub Oak(5 gal.)

Shrubs/Groundcovers

- 9 — Beargrass
- 0 — Prairie Sage
- 0 — Winterfat (represents 3 plants)
- 4 — Chamisa
- 4 — Apache Plume
- 6 — Skunkbush Sumac
- 2 — Cholla
- 7 — Yucca
- 8 — Moonshine Yarrow
- 9 — Rocky Mountain Penstemon
- 6 — Autumn Sage

Native Wildflower Seed Mix

Note: Native Grasses Seed Mix to be Distributed throughout median area, except wherewildflower mix is shown.

PLANTING NOTES

1. All finished grades shall provide for natural runoff of water without low spots or pockets. set flow lines accurately and provide a minimum 2% and maximum 3% gradient unless otherwise noted.
2. Gradually round off tops of all planted slopes to produce a smooth and natural appearing transition between relatively level areas and slopes.
3. Surface shall be raked free of stones larger than 2" and extraneous materials and debris to a smooth and even surface. All extraneous matter will be disposed of by landscape contractor.
4. Landscape Contractor shall be responsible for locating and noting any underground utility prior lines prior to grading, trenching, planting, or other related site work. Restoration of utilities damaged by the Contractor shall be made at the Contractor's expense to the satisfaction of the Owner and/or governing agency. Call before you dig: (505) 260-1990.
5. All plants shall be placed in location as specified except for minor adjustments made necessary by underground obstructions or other unforseen causes.
6. Install trees a minimum of 4' & shrubs a minimum of 2' from back of curb, edge of walk or paving.
7. A complete list of plant, including a schedule of quantities, sizes and other requirements is shown on the Drawings (See plant schedule for key and classification). In the event that discrepancies occur between the quantities of the plants included in the plant list and as indicated on the plan, the plant quantities indicated on the plan shall govern.
8. Substitutions shall not be made unles specified landscape material is not obtainable. Substituions shall be only if non-availablility is proven to Landscape Architect or Owner.

AS-BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTOR'S ASSESSMENTS BY — DATE
FIELD VERIFICATIONS BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY
NO.

DESIGN WORKSHOP, INC.
LANDSCAPE ARCHITECTURE
LAND PLANNING
URBAN DESIGN

310 SOUTH MILL AVENUE, SUITE 201
TEMPE, ARIZONA 85281
(602) 966-5881

STATE OF NEW MEXICO — JOHN SCHERTSON No. 228 — REGISTERED LANDSCAPE ARCHITECT — 6-7-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

JOB NO. 853 — DATE: JULY 7, 1995
DRAWN BY: KB — DATE: REV: 7/12/95
CHECKED BY: MWS, JH — DATE: REV: 7/14/95

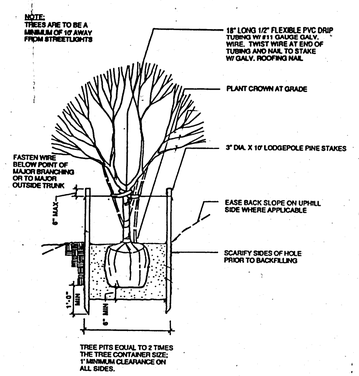
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT SUBDIVISION
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHAIRMAN		9-26-95	HYD	JC	9-7-95
TRANSPORTATION		9-26-95			
UDD	N/A	AWE 8-30-95			
Water		10/3/1995			

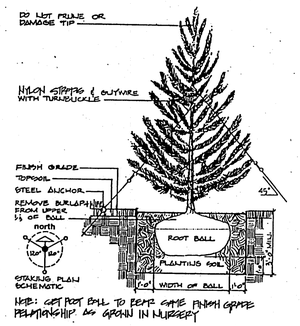
DRAWING	MAP NO.	SHEET
5189.91	E-23,F-23	7 OF 17

261-15 1891.911 08917

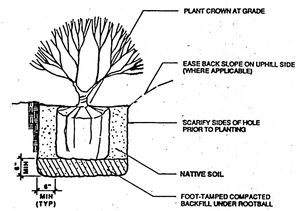


1 **Deciduous Tree Planting**
NTS

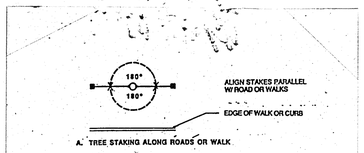
Note: Contractor to stake or guy trees only if required by Landscape Architect. Contractor to provide unit price for staking and guying.



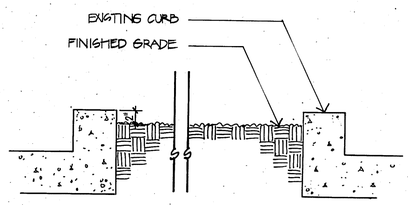
2 **Evergreen Planting Detail (If Necessary)**
NTS



3 **Shrub Planting**
NTS



4 **Deciduous Tree Staking Location**
NTS



5 **Finished Grade in Medians**
Section

PLANTING NOTES

1. All finished grades shall provide for natural runoff of water. Set flow lines accurately and provide a minimum of 2% and maximum 33% gradient unless otherwise noted.

2. Gradually round off tops and toes of all planted slopes to produce a smooth and natural appearing transition between relatively level areas and slopes.

3. Surface shall be raked free of extraneous materials and debris. All extraneous matter will be disposed of by landscape contractor.

4. Landscape contractor shall be responsible for locating and noting any underground utility lines prior to grading, trenching, planting, or other related site work. Restoration of utilities damaged by Contractor's expense to the satisfaction of the Owner and/or governing agency. Call Before You Dig 1 800 (260-1990).

5. All plants shall be placed in location as specified except for minor adjustments made necessary by underground obstructions or other unforeseen causes.

6. Install trees at a minimum of 4' and shrubs at a minimum of 2' from back of curb, edge of walk or paving.

7. A complete list of plants, including a schedule of quantities, sizes and other requirements is shown on the Drawings. (See plant schedule for key and classification). In the event that discrepancies occur between the quantities of plants indicated in the plant list and as indicated on the plan, the plant quantities indicated on the plan shall govern.

8. See plant schedule for classification.

9. Substitution 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.

10. Some native plant materials may be transplanted from on the site.

PLANT LIST

Botanical Name	Common Name	Quantity	Size	Remarks
Trees				
Quercus gambelii	Gambel Oak	23	6' B&B	
		21	8' B&B	
Pinus edulis	Pinon Pine	21	6' B&B	
		23	8' B&B	
Juniperus monosperma	One Seed Juniper	15	4' B&B	
		13	6' B&B	
Shrubs/Groundcovers				
Artemisia ludoviciana	Prairie Sage	14	5 Gal.	Full Container
Chrysothamnus nauseosus	Chamisa	55	5 Gal.	Full Container
Fallugia paradoxa	Apache Plume	58	5 Gal.	Transplant from on-site
Opuntia imbricate	Cholla	26	5 Gal.	Full Container
Rhus trilobata	Skunkbush Sumac	53	5 Gal.	Full Container
Yucca glauca	Yucca	249	5 Gal.	Full Container
Ceratoides lanata	Winterfat	53	1 Gal.	Full Container

Note: Cholla, Yucca and Apache Plume may be available in limited quantities from locations on site. Contractor to provide unit price for using material transplanted from on-site in lieu of nursery grown material.

Botanical Name	Common Name	Quantity	Size	Remarks
Native Grass and Shrub Seed Mix				
Bouteloua curtipendula	Sideoats Grama "Niner"	8 lbs. PLS/AC		
Bouteloua gracilis	Blue Grama "Hachita"	8 lbs. PLS/AC		
Hilaria jamesii	Galleta "Viva"	4 lbs. PLS/AC		
Artistida purpurea	Purple Three Awn	2 lbs. PLS/AC		
Castilleja integra	Indian Paintbrush	1 lbs. PLS/AC		
Verbena bipinnatifida	Dakota Verbena	1 lbs. PLS/AC		
Sphaeralcea incana	Scarlet Globemallow	1 lbs. PLS/AC		
Linum perenne lewisii	Blue Flax	1 lbs. PLS/AC	Hand Seed	
Chrysopsis villosa	Golden Aster	2 lbs. PLS/AC	Hand Seed	
Wildflower Seed Mix				
Castilleja integra	Indian Paintbrush	2 lbs. PLS/AC	Hand Seed	
Verbena bipinnatifida	Dakota Verbena	2 lbs. PLS/AC	Hand Seed	
Linum perenne lewisii	Blue Flax	2 lbs. PLS/AC	Hand Seed	
Chrysopsis villosa	Golden Aster	4 lbs. PLS/AC	Hand Seed	

261-511 891.911 10A 8A 17

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

DESIGN WORKSHOP, INC.
LANDSCAPE ARCHITECTURE
LAND PLANNING
URBAN DESIGN
810 SOUTH MILL AVENUE, SUITE 201
TEMPE, ARIZONA 85281
(602) 966-5601

STATE OF NEW MEXICO
ROBERT CULBERTSON
No. 2257
REGISTERED LANDSCAPE ARCHITECT
6-26-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

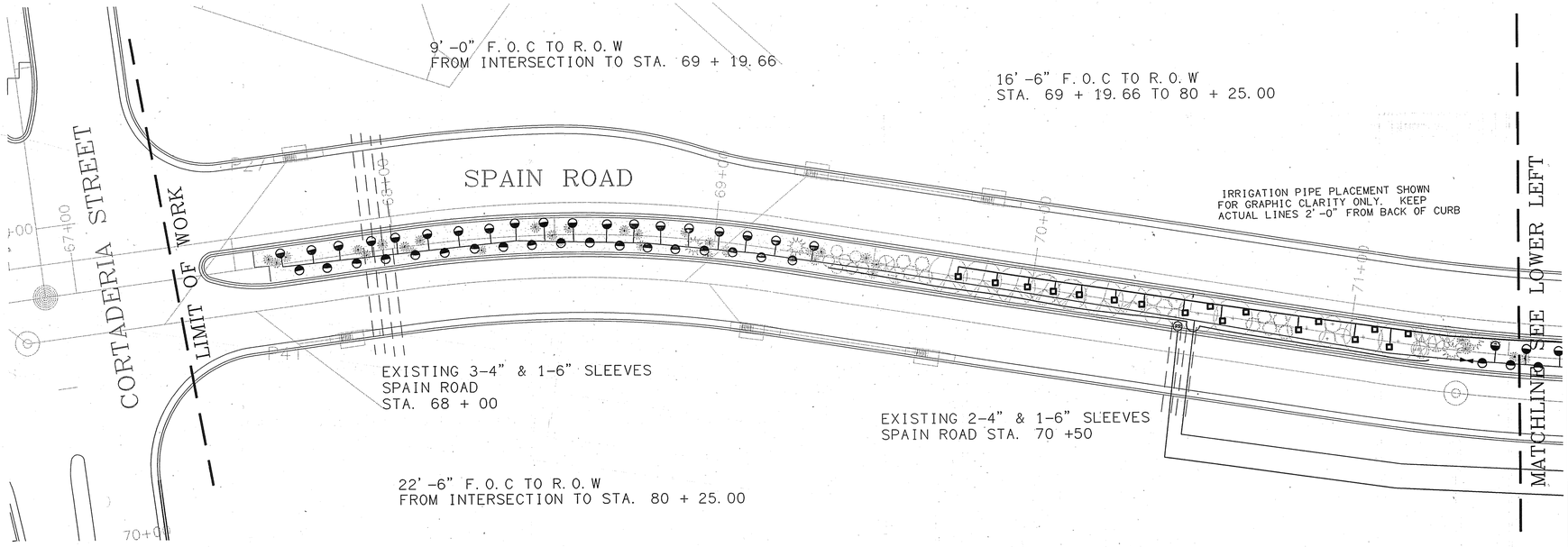
JOB NO. 853 DATE JUNE26, 1995
DRAWN BY MU DATE REV
CHECKED BY MWS DATE

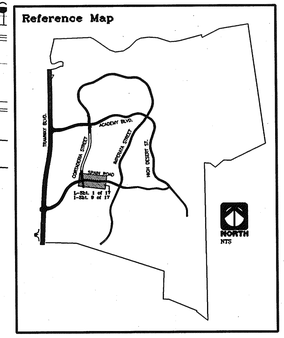
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT SUBDIVISION
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT,

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHARIMAN		9-26-95	HYD	JC	9-7-95
TRANSPORTATION		9-26-95			
U.D.D.	N/A	9-26-95			
Parks		10/3/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23,F-23	8 OF 17

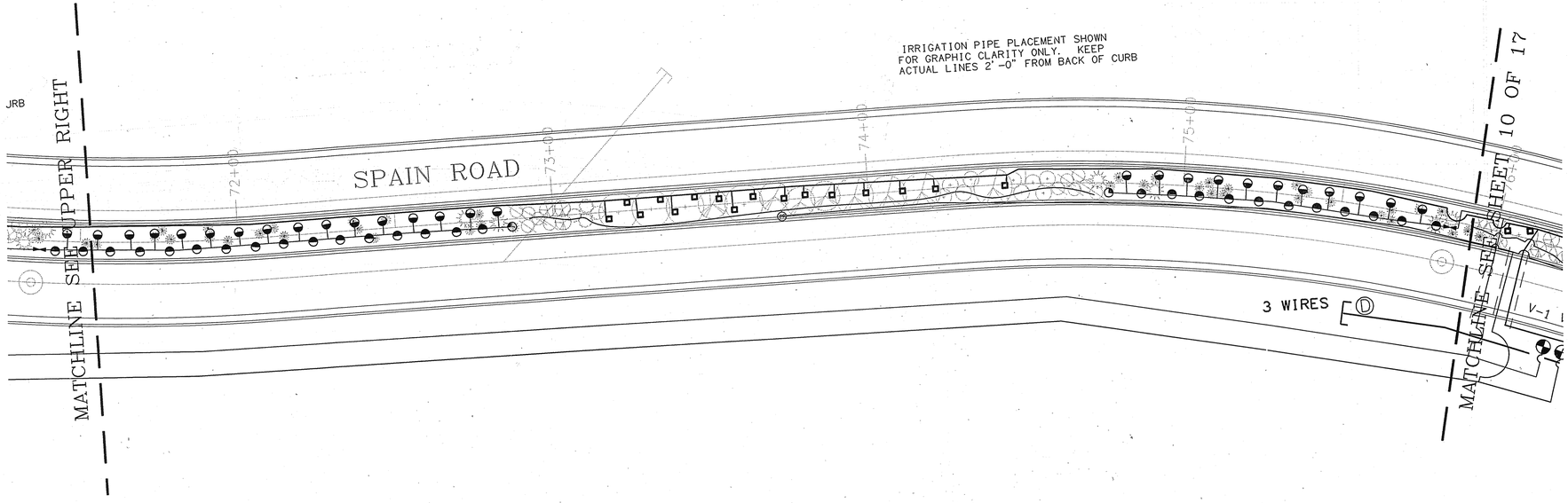




NORTH 0' 10' 20' 60'

1/9 SPAIN ROAD IRRIGATION PLAN

SCALE: 1" = 20'-0"



NORTH 0' 10' 20' 60'

2/9 SPAIN ROAD IRRIGATION PLAN

SCALE: 1" = 20'-0"

Irrigation Key:

- M 2" Water Meter(by owner)
- Master Valve with R.P.A. Backflow Assembly
- Solar Power Controller
- Quick Coupler
- Auto - Zone Valve
- Drip Pressure Reducer
- Flood Bubbler
- Pop-Up Spray Head
- Pop-Up Spray Head
- Gate Valve
- Air Release Valve
- Manual Drain
- Existing Main Line
- Main Line
- Main Line T and Cap
- Lateral
- 1/2" Poly Tubing
- Sleeve

See Sheet 16 for Irrigation Legend & Pipe Sizing Legend.

STATE OF NEW MEXICO
THOMAS A. GAY
No. 240
REGISTERED LANDSCAPE ARCHITECT
7-17-95

AS-BUILT INFORMATION

CONTRACTOR		
STAKED BY		
INSPECTED BY		DATE
ACCEPTANCE BY		
		DATE
VERIFICATION BY		
		DATE
CORRECTED BY		
		DATE
MICRO-FILM INFORMATION		
RECORDED BY		
NO.		

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

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DATE JUNE 7, 1995
DATE
DATE

JOB NO. 1989135.04
DRAWN BY P. GAY
CHECKED BY TAG/SEAD

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT STREETSCAPE
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT ROAD

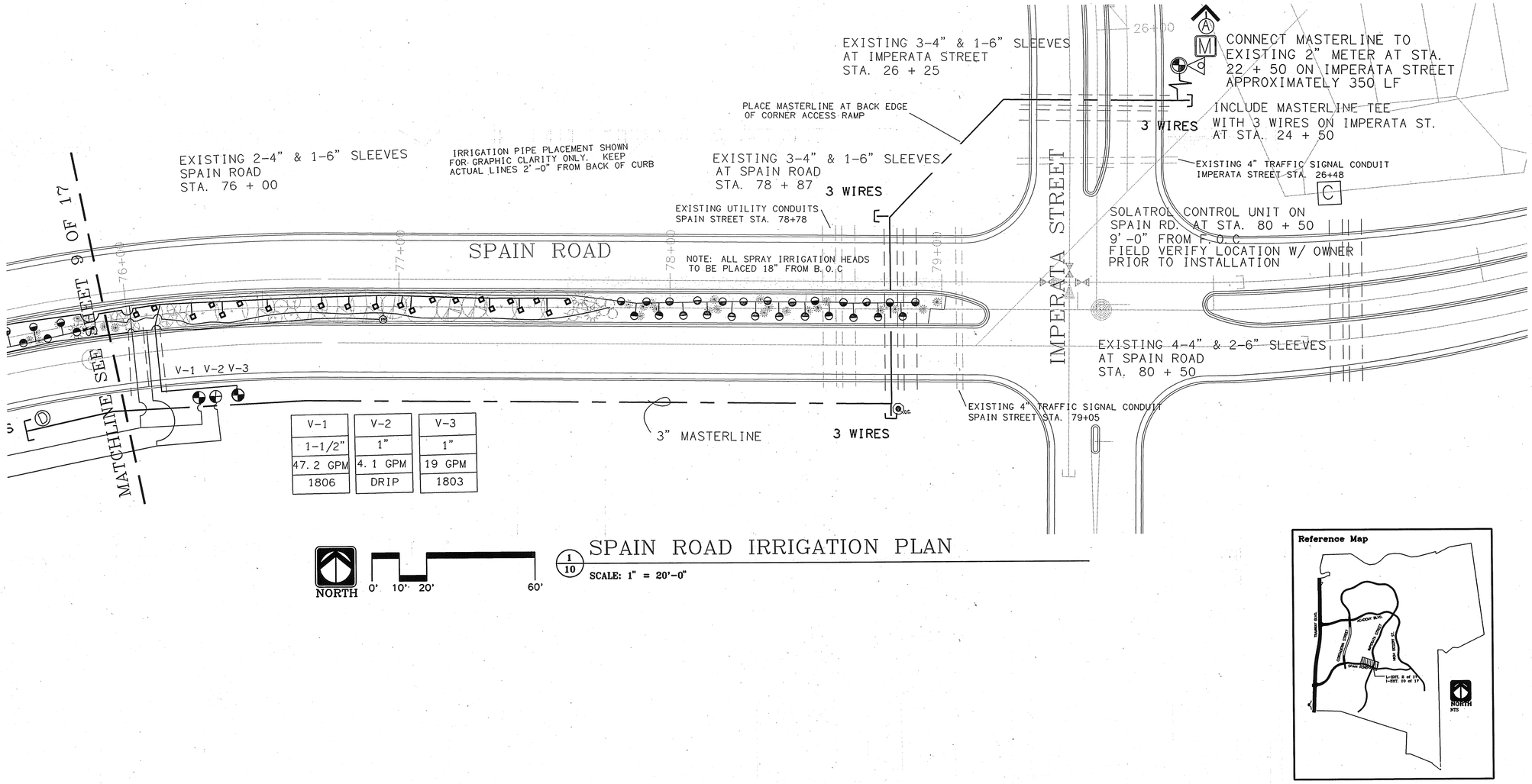
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHARIMAN	[illegible]	9-26-95	HVD	JC	9-7-95
TRANSPORTATION	N/A [illegible]	9-01-95			
U.D.D.	N/A [illegible]	8-30-95			
[illegible]	[illegible]	10/31/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23, F-23	9 OF 17

L95135.04

FILENAME: SPN1PH2.DWG
7/15/95

26-E18A1.A1 11097



1/10 SPAIN ROAD IRRIGATION PLAN

SCALE: 1" = 20'-0"

Irrigation Key:

- M 2" Water Meter(by owner)
- Master Valve with R.P.A. Backflow Assembly
- C Solar Power Controller
- Quick Coupler
- Auto - Zone Valve
- PR Drip Pressure Reducer
- Flood Bubbler
- Pop-Up Spray Head
- Pop-Up Spray Head
- Gate Valve
- A Air Release Valve
- D Manual Drain
- Existing Main Line
- Main Line
- Main Line T and Cap
- Lateral
- 1/2" Poly Tubing
- Sleeve

See Sheet 16 for Irrigation Legend & Pipe Sizing Legend.

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR ACCEPTANCE BY DATE
LATERALS LOCATED BY DATE
MAINLINE CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY
NO. DATE

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

STATE OF NEW MEXICO
THOMAS A. GAY
No. 240
REGISTERED LANDSCAPE ARCHITECT
7-17-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

JOB NO. 695135.04 DATE JUNE 7, 1993
DRAWN BY P. GAY DATE
CHECKED BY MAYSRAD DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT STREETSCAPE
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT ROAD

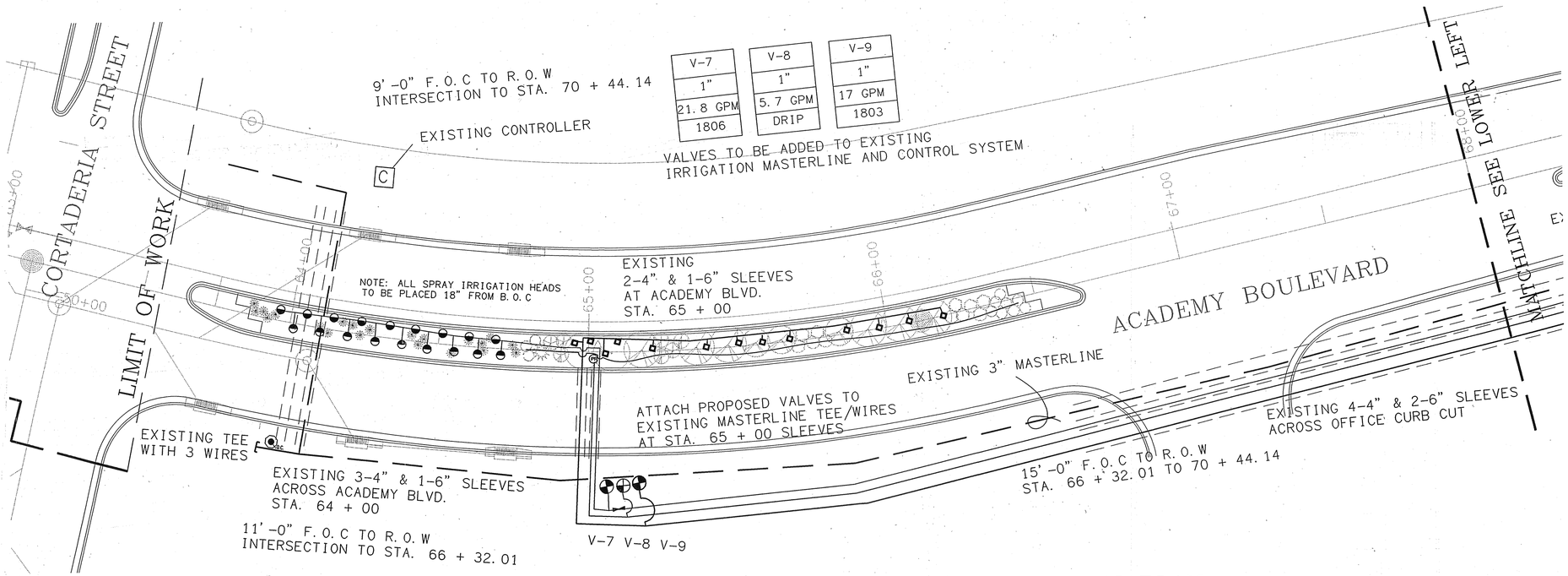
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHARIMAN	[illegible]	9-26-95	HYD	JC	9-27-95
TRANSPORTATION	[illegible]	9-26-95			
U.D.D.	N/A ROW	10-30-95			
[illegible]		10/31/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23, F-23	10 OF 17

L95135.04

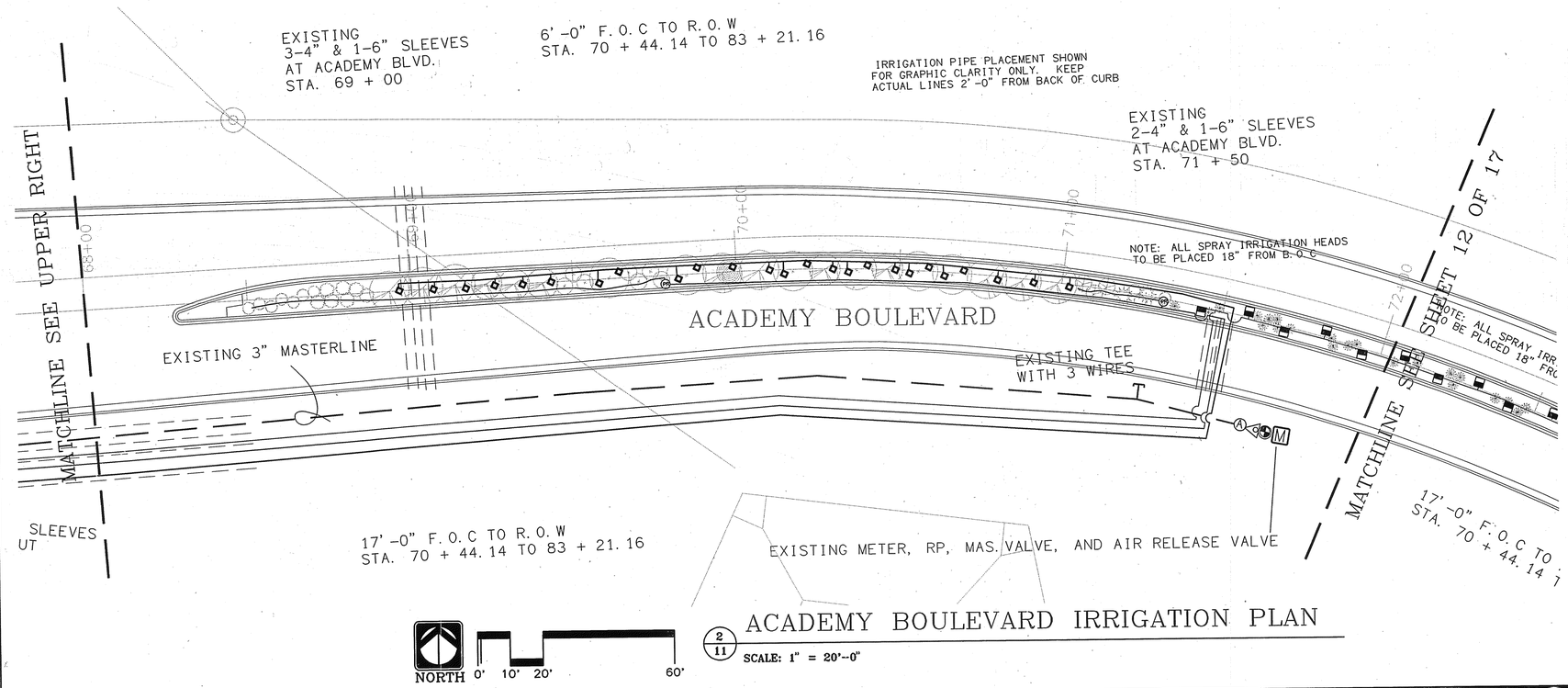
FILENAME: SPN2PH2.DWG
7/15/95

26-15189.911 1/1997



1/11 ACADEMY BOULEVARD IRRIGATION PLAN

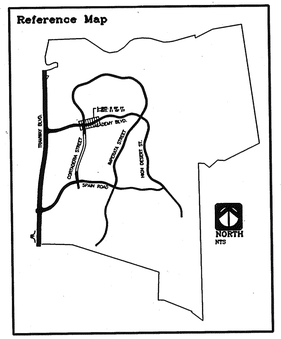
SCALE: 1" = 20'-0"



2/11 ACADEMY BOULEVARD IRRIGATION PLAN

SCALE: 1" = 20'-0"

Reference Map



Irrigation Key:

- M 2" Water Meter(by owner)
- Master Valve with R.P.A. Backflow Assembly
- C Solar Power Controller
- Q.C. Quick Coupler
- Auto - Zone Valve
- PR Drip Pressure Reducer
- Flood Bubbler
- Pop-Up Spray Head
- Pop-Up Spray Head
- Gate Valve
- A Air Release Valve
- D Manual Drain
- Existing Main Line
- Main Line
- Main Line T and Cap
- Lateral
- 1/2" Poly Tubing
- Sleeve

See Sheet 16 for Irrigation Legend & Pipe Sizing Legend.

AS-BUILT INFORMATION

CONTRACTOR		
STAKED BY		
INSPECTOR		DATE
ACCEPTANCE BY		
		DATE
VERIFICATION BY		
		DATE
CORRECTED BY		
RECORDED BY	MICRO-FILM INFORMATION	
NO.		

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

STATE OF NEW MEXICO
THOMAS A. GAY
No. 240
REGISTERED LANDSCAPE ARCHITECT
7-17-95

NO.	DATE	REMARKS REVISIONS	BY
		DESIGN	DATE JUNE 7, 1995
			DATE
			DATE

JOB NO. 0951135.04
DRAWN BY FG
CHECKED BY BMG/GRAD

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT STREETSCAPE
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHARIMAN	[illegible]	9-26-95	HYD	[illegible]	9-7-95
TRANSPORTATION	[illegible]	9-26-95			
UTILITIES	[illegible]	9-30-95			
Parks	[illegible]	10/3/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23, F-23	11 OF 17

L95135.04

FILENAME: ACA1PH2.DWG
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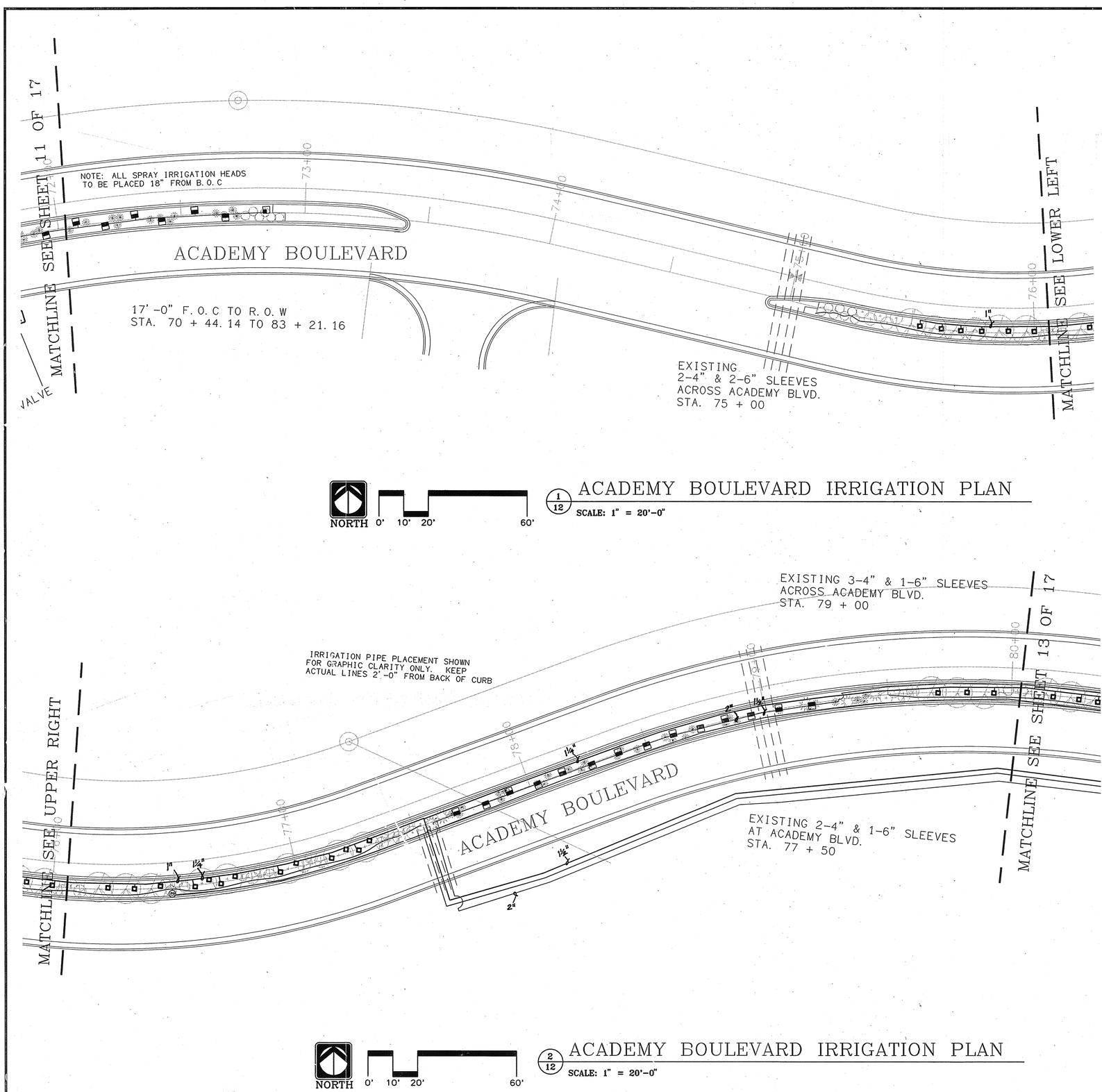

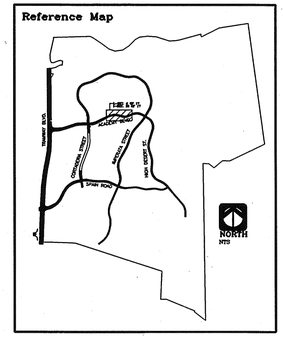

Irrigation Key:

- 2" Water Meter(by owner)
- Master Valve with R.P.A. Backflow Assembly
- Solar Power Controller
- Q.C. Quick Coupler
- Auto - Zone Valve
- P.R. Drip Pressure Reducer
- Flood Bubbler
- Pop-Up Spray Head
- Pop-Up Spray Head
- Gate Valve
- Air Release Valve
- Manual Drain
- Existing Main Line
- Main Line
- Main Line T and Cap
- Lateral
- 1/2" Poly Tubing
- Sleeve

See Sheet 16 for Irrigation Legend & Pipe Sizing Legend.

AS-BUILT INFORMATION

CONTRACTOR		
STAKED BY		DATE
INSPECTED BY		
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY	
NO.	

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

STATE OF NEW MEXICO
THOMAS A. GAY
No. 240
REGISTERED LANDSCAPE ARCHITECT
7-17-95

NO.	DATE	REMARKS	BY
1	7-18-95	PIPE SIZING	PAG
		REVISIONS	
		DESIGN	

JOB NO. 895135.04 DATE MAY 30, 1995
DRAWN BY P. CAY DATE
CHECKED BY TAG/SRAD DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT STREETSCAPE
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHAIRMAN		7-21-95	HYD	JC	7-7-95
TRANSPORTATION		7-21-95			
U.D.D.	N/A	10-10-95			
		10/31/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23, F-23	12 OF 17

FILENAME: ACA2PH2.DWG
7/15/95

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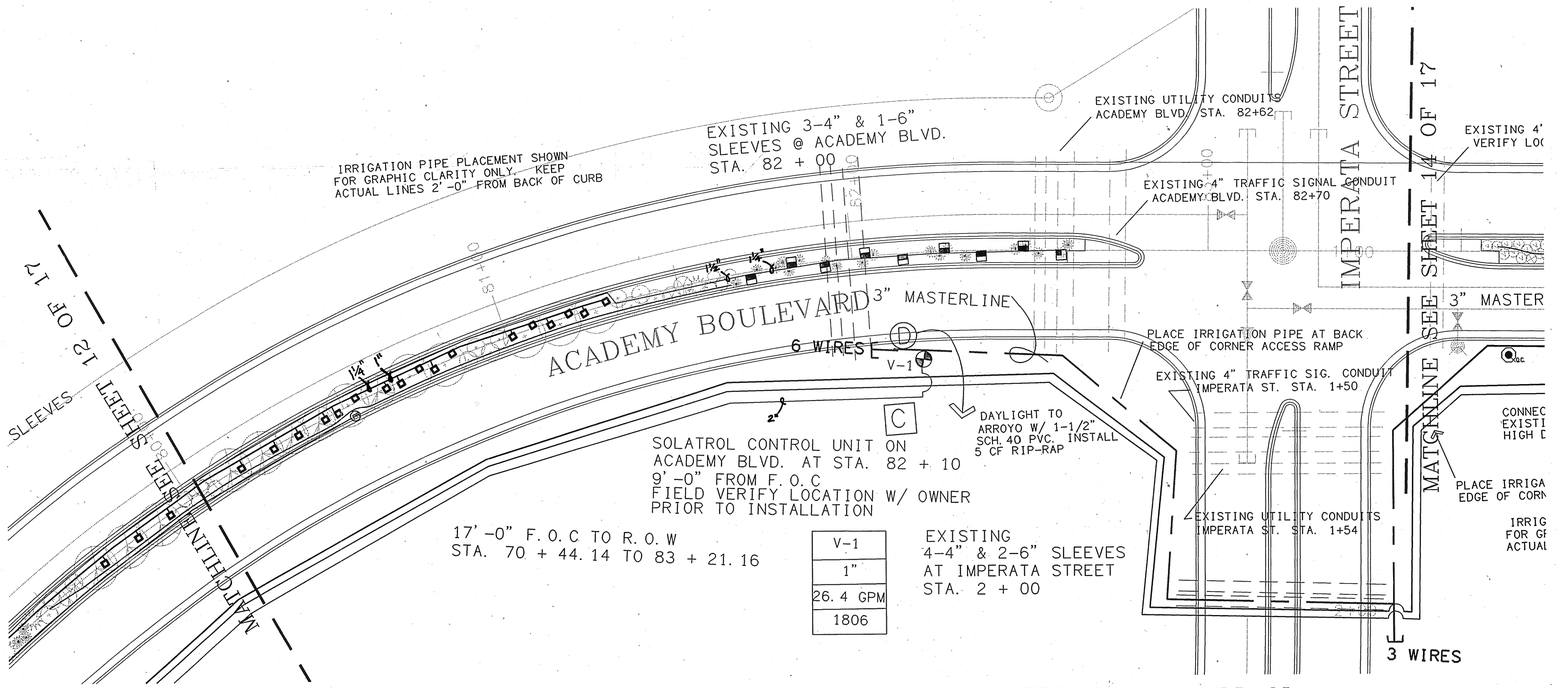
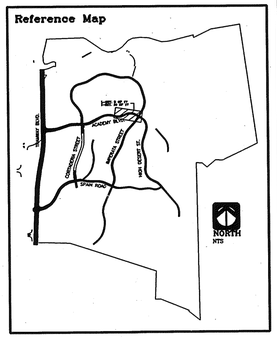
26-51189.911 11397



V-1
1"
26.4 GPM
1806

1/13 ACADEMY BOULEVARD IRRIGATION PLAN

SCALE: 1" = 20'-0"



Irrigation Key:

- M 2" Water Meter(by owner)
- Master Valve with R.P.A. Backflow Assembly
- C Solar Power Controller
- QC Quick Coupler
- Auto - Zone Valve
- PR Drip Pressure Reducer
- Flood Bubbler
- Pop-Up Spray Head
- Pop-Up Spray Head
- Gate Valve
- A Air Release Valve
- D Manual Drain
- Existing Main Line
- Main Line
- Main Line T and Cap
- Lateral
- 1/2" Poly Tubing
- Sleeve

See Sheet 16 for Irrigation Legend & Pipe Sizing Legend.

AS-BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTED BY DATE
ACCEPTANCE DATE
VERIFICATION BY DATE
VERIFIED DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BOHANNAN-HUSTON INC.
COURTYARD I 6500 MONTGOMERY NE ALBUQUERQUE, NEW MEXICO 87109 (505) 884-4220
ALBUQUERQUE LAS CRUCES SANTA FE

STATE OF NEW MEXICO
THOMAS A. GAY
No. 240
REGISTERED LANDSCAPE ARCHITECT
7-17-95

NO.	DATE	REMARKS	BY
1	7-18-95	PIPE SIZING	PNG
		REVISIONS	
		DESIGN	

JOB NO. L95135.04 DATE JUNE 7, 1995
DRAWN BY P.GAY DATE
CHECKED BY BMG/GRAD DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT STREETSCAPE
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
L.R.C. CHARIMAN	[illegible]	9-26-95	HYD	[illegible]	9-29-95
TRANSPORTATION	N/A [illegible]	9-26-95			
U.S.S.	N/A [illegible]	9-27-95			
Parks	[illegible]	10/31/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23, F-23	13 OF 17

L95135.04

FILENAME: ACA3PH2.DWG
7/15/95

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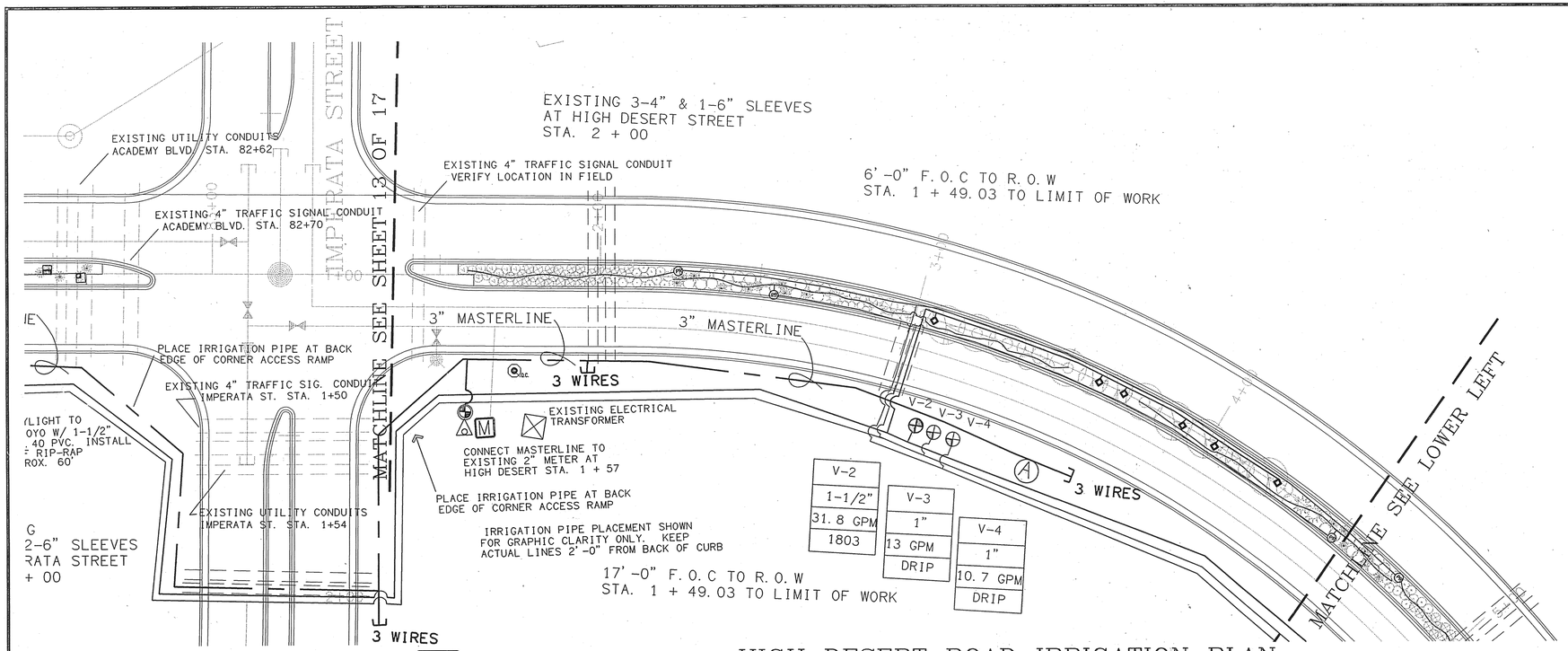
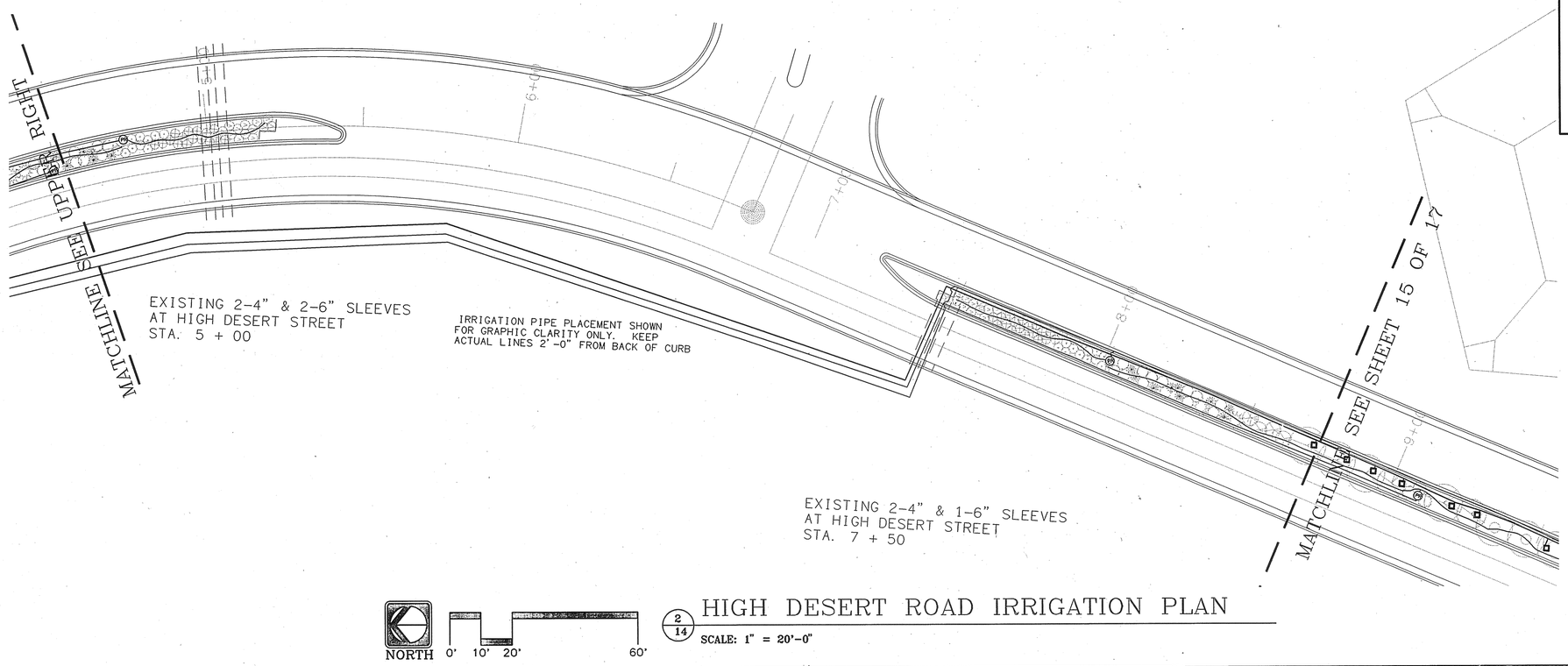


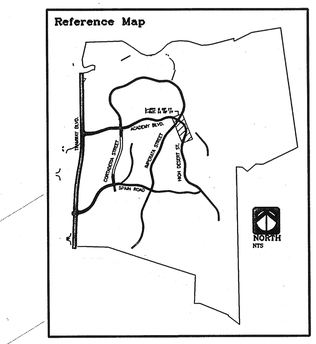
1/14 HIGH DESERT ROAD IRRIGATION PLAN

SCALE: 1" = 20'-0"



2/14 HIGH DESERT ROAD IRRIGATION PLAN

SCALE: 1" = 20'-0"



Irrigation Key:

- 2" Water Meter(by owner)
- Master Valve with R.P.A. Backflow Assembly
- Solar Power Controller
- Quick Coupler
- Auto - Zone Valve
- Drip Pressure Reducer
- Flood Bubbler
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- Pop-Up Spray Head
- Gate Valve
- Air Release Valve
- Manual Drain
- Existing Main Line
- Main Line
- Main Line T and Cap
- Lateral
- 1/2" Poly Tubing
- Sleeve

See Sheet 16 for Irrigation Legend & Pipe Sizing Legend.

AS-BUILT INFORMATION

CONTRACTOR		
WORK STAKED BY		DATE
INSPECTED BY		DATE
FIELD LOCATION BY		DATE
DRAWINGS CORRECTED BY		DATE
RECORDED BY	MICRO-FILM INFORMATION	
NO.		

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

STATE OF NEW MEXICO
THOMAS A. GAY
No. 240
REGISTERED LANDSCAPE ARCHITECT
8-1-95

NO.	DATE	REMARKS	BY
1	8-1-95	METER LOCATION	PAG

REVISIONS

DESIGN DATE JUNE 7, 1995
DATE
DATE

JOB NO. L95135.04
DRAWN BY P.GAY
CHECKED BY BRG/GRAD

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT STREETSCAPE
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHARIMAN	[illegible]	7-26-95	HYD	JC	7-7-95
TRANSPORTATION	N/A CHO	8-01-95			
U.D.D.	N/A RWK	8-30-95			
Water	10/21/95	[illegible]			

DRAWING	MAP NO.	SHEET
5189.91	E-23, F-23	14 OF 17

L95135.04

FILENAME: HGDEST-1.DWG
7/15/95

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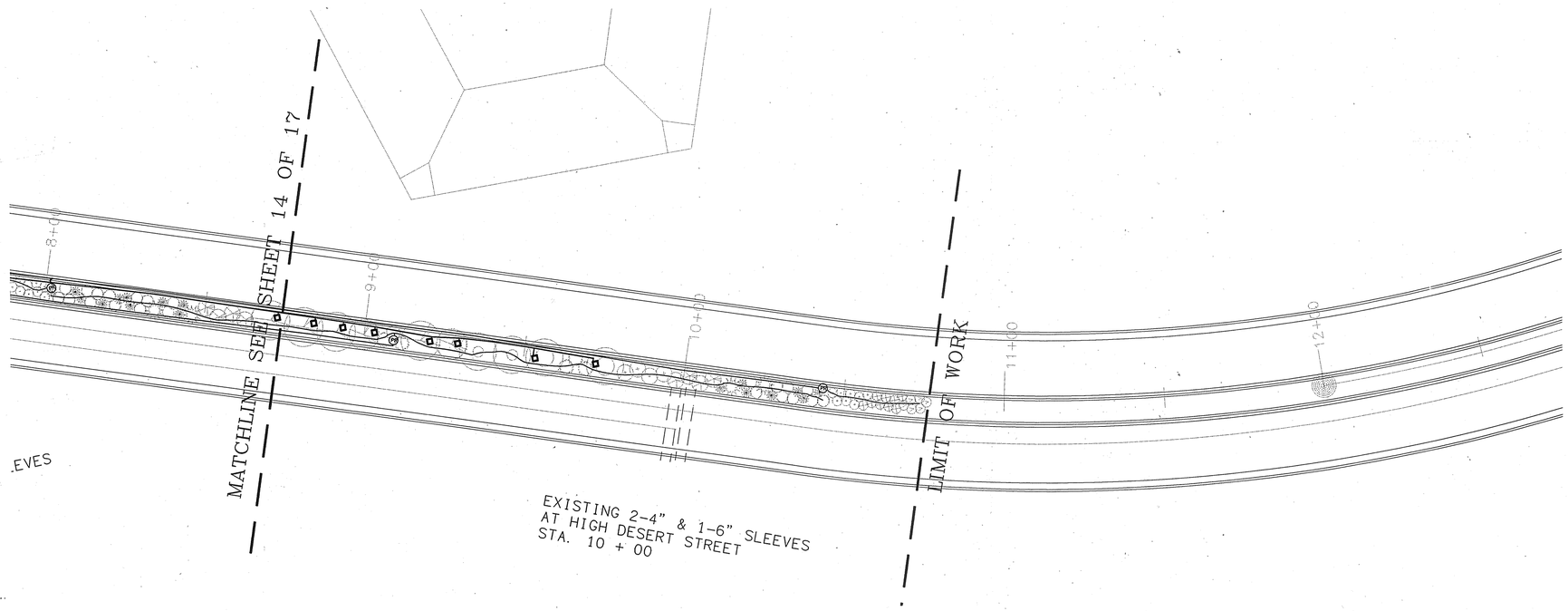
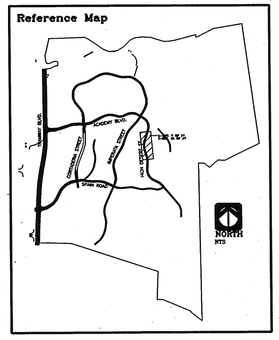


NORTH 0' 10' 20' 60'

1/15 HIGH DESERT STREET IRRIGATION PLAN

SCALE: 1" = 20'-0"

Reference Map



Irrigation Key:

- M 2" Water Meter(by owner)
- Master Valve with R.P.A. Backflow Assembly
- Solar Power Controller
- QC Quick Coupler
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- Existing Main Line
- Main Line
- Main Line T and Cap
- Lateral
- 1/2" Poly Tubing
- Sleeve

See Sheet 16 for Irrigation Legend & Pipe Sizing Legend.

AS-BUILT INFORMATION

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

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

STATE OF NEW MEXICO
THOMAS A. GAY
No. 240
REGISTERED LANDSCAPE ARCHITECT
7-17-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DATE JUNE 7, 1995
JOB NO. L95135.04
DATE
DRAWN BY P.GAY
DATE
CHECKED BY BRG/GFAD

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT STREETSCAPE
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHARIMAN	[illegible]	9-26-95	HYD	[illegible]	9-7-95
TRANSPORTATION	N/A	9-26-95			
U.S.D.	N/A	9-26-95			
Parks	[illegible]	10/21/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23, F-23	15 OF 17

L95135.04

26-5189.91 1697

FILENAME: HGDEST-2.DWG
7/15/95

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.
* RIGHT OF WAY VARIES BY STREET DESIGN. CONSTRUCTION AREAS ARE NOTED ON DRAWINGS. AT NO TIME SHALL CONTRACTOR PERFORM WORK OR DISTURB AREAS BEYOND RIGHT OF WAY LIMIT.
* 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. WHERE EVER POSSIBLE, PLACE MAINLINE AND LATERAL PIPING WITHIN TWO(2') FEET OF FACE OF CURB(F.O.C) IN ORDER TO FACILITATE PHASE II PLANTING. ALL VALVES SHALL BE LOCATED IN PLANTING AREAS OR SODDED AREAS WHERE SHOWN AND ALL PIPING SHALL BE INSTALLED PRIOR TO LANDSCAPING. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING. CAP ALL ENDS HAND TIGHT, PRIOR TO BACKFILL. ALL IRRICATION SHALL BE INSTALLED WITHIN STREET RIGHT OF WAYS.
* 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 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 OWNER'S REPRESENTATIVE.

IRRIGATION LEGEND

M	WATER METER M170 2", AS PER CITY OF ALBUQUERQUE	BY OWNER
	SOLATROL LEIT 8000-2, XKIT 8724 CONTROLLER, AMTG 2035 ANTENNA MOUNTING COLUNM, LEMA 1521 SOLENOID.	INSTALL AS PER MANUFACTURERS SPECIFICATION
	BERMAD 910-P, 1.5" MASTERVALVE FEBCO 825Y, 2" RPA, W/ STRONGBOX ENCLOSURE MODEL #SBBC-30 ALI. (Run 1 extra wire to controller expander module for future flow control capability)	SEE DETAIL B/16
A	CRISPIN UL 10.0-1" UNIVERSAL AIR RELEASE VALVE	SEE DETAIL F/17
D	CHAMPION 100RS-100 MANUAL DRAIN ASSEMBLY	SEE DETAIL G/17
	RAINBIRD PEB-PRS-B PRESSURE COMPENSATING CONTROL VALVE	SEE DETAIL A/17
	RAINBIRD PEB-PRS-B PRESSURE COMPENSATING CONTROL VALVE, W/ PEPCO PF SERIES 14-1" Y-FILTER	SEE DETAIL B/17
x.o.c.	RAINBIRD 5RC-1" QUICK COUPLER (PROVIDE ONE 55K-1 VALVE KEY AND SH-1 SWIVEL HOSE ELL TO OWNER) IN 1418 BROOKS VALVE BOX + (1)8" EXTENSION. INSTALL ON MAINLINE TEE.	
PR	PEPCO PR30 3/4" INLINE PRESSURE REGULATOR	SEE DETAIL C/17
	MATCO 3/4" GATE VALVE IN 6" VALVE BOX.	
	HARDIE E-2 DBK08 (2 GPH) EMITTER ON RAINTUBE 1/2" POLY TUBING. INSTALL TWO(2) EMITTERS PER SHRUB/PERENNIAL	
	RAINBIRD POP UP BUBBLER 1803-5F-B-PCS-040. 0.4 GPM	SEE DETAIL D/17
( )	RAINBIRD POP UP SPRAY 1806-10H(Q)-LA-PCS-040, 0.4 GPM	SEE DETAIL E/17
( )	HUNTER POP UP SPRAY SIDE STRIP PX-06 SS-530 (CS-515) 1.2 GPM	SEE DETAIL E/17
	EXISTING MAINLINE	
	MAINLINE SIZE AS PER PLAN	
	LATERAL SCH 40 PVC	
	SLEEVE SCH 40 PVC, EXISTING, ADD WHERE NOTED ON PLAN MIN. 2 SIZES LARGER THAN PIPE TO BE SLEEVED	

NOTES

1. ALL CONTROLLER WIRING UNDER PAVEMENT SHALL BE SLEEVED WITH EXISTING SCH 40 PVC. CONTROLLER STATIONS SHALL BE WIRED AS PER VALVE LEGEND.
2. 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.
3. MANUAL DRAINS ARE TO BE FIELD LOCATED AND INSTALLED AT END POINTS OR LOW POINTS IN THE MAINLINE AS DETERMINED BY FIELD SURVEY.
4. ALL TESTING GAUGES AND VALVES AS INSTALLED SHALL BE LABELED AS PER VALVE STATIONS AS SHOWN ON THESE PLANS.
5. VALVE BOXES SHALL BE INSTALLED IN PLACE PRIOR TO ANY PRESSURE TESTING TO ENSURE PROPER GRADING.
6. EXISTING SLEEVE LOCATIONS AS SHOWN ARE SCHEMATIC. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING SLEEVES.
7. CONTRACTOR SHALL SIZE AND INSTALL ALL LATERAL PIPES AS PER PIPE SIZING CHART. ALL PIPE SIZING SHALL BE SUBMITTED TO AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. SEE PLANS.
8. THE IRRIGATION SYSTEM IS DESIGNED FOR AN OPERATIONAL RANGE OF 60-80 PSI. CONTRACTOR SHALL FIELD VERIFY PRESSURE PRIOR TO INITIATION OF CONSTRUCTION. IF PRESSURES ARE NOT WITHIN THIS RANGE, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION ON HOW TO PROCEED
9. IF 10H NOZZLES PRODUCE EXCESS OVERSPRAY INTO THE STREET, REGULATE VALVE PRESSURE WITH PHG PRESSURE HOSE GUAGE ASSEMBLY DOWN TO 20 PSI.

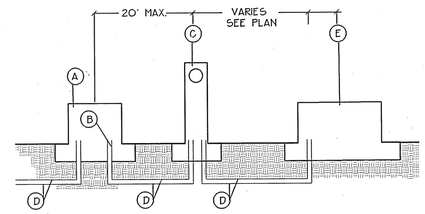
PIPE SIZING CHART

LATERALS SHALL BE SCHEDULE 40 PVC, SIZED AS INDICATED BELOW, UNLESS OTHERWISE NOTED ON DRAWINGS:

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"

VALVE LEGEND

VALVE AND STATION NO.
VALVE SIZE
TOTAL GPM
HEAD TYPE



(A) POWER TRANSFORMER. EXISTING
(B) SERVICE CONNECTION FOR IRRIGATION. COMPLETE
(C) METER PEDESTAL
(D) ELECTRICAL CONDUIT. 2" PVC
(E) IRRIGATION BACKFLOW PREVENTER ENCLOSURE (HEAT TAPE ELECTRICAL SOURCE)

NOTE: ELECTRICAL SERVICE SHALL BE PROVIDED FOR THE IRRIGATION RPA HEAT TAPE. POWER SHALL BE PROVIDED FROM AN EXISTING TRANSFORMER.

NOTE: EXISTING TRANSFORMER AT HIGH DESERT ROAD STA. 2 + 45

NOTE: NO TRANSFORMER AT IMPERATA/SPAIN. COORDINATE WITH OWNER.

(A/16) ELECTRIC SERVICE FOR IRRIGATION

NOT TO SCALE

GENERAL NOTES

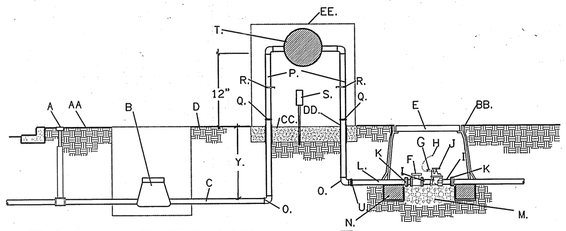
PROTECT RPA FROM FREEZING WITH RAYCHEM WINTERGARD H310 HEAT TAPE.

ELECTRICAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, COORDINATING, AND INSTALLING ALL ELECTRICAL AND ELECTRICAL SUPPLIES NECESSARY FOR THE INSTALLATION AND OPERATION OF THE IRRIGATION SYSTEM SPECIFIED.
2. CONTRACTOR SHALL INSTALL ELECTRICAL WORK IN COMPLIANCE WITH ALL APPLICABLE CODES, ORDINANCES AND REQUIREMENTS OF THE CITY OF ALBUQUERQUE, AND ALL OTHER GOVERNING BODIES HAVING JURISDICTION.

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 OR EQUAL
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 TEE WITH DRAIN. MINIMUM 8" ABOVE GRADE. BALL DRAIN, CHAMPION DV050 1/2"
S. ELEC. OUTLET FOR HEAT PROTECTIVE TAPE
T. REDUCED PRESSURE VACUUM BREAKER BACKFLOW PREVENTER (SEE PARTS LIST)
U. PVC MIP ADAPTER
V. MAINLINE/LATERAL MAINLINE
Y. 28" MINIMUM DEPTH
AA. FINISH GRADE
BB. 6 mm BLACK POLYETHYLENE. TAPE TO ALL INLET AND OUTLET LINES.
CC. 4000 PSI CONCRETE PAD, 4" DEPTH
DD. PIPE SHALL BE SLEEVED THROUGH CONCRETE PAD WITH SCH 40 PVC.
EE. ENCLOSURE (SEE PLAN)



(B/16) IRRIGATION MASTER VALVE WITH REDUCED PRESSURE BACKFLOW PREVENTER

NOT TO SCALE

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

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
A.I.A. ALBUQUERQUE, NEW MEXICO 87109

STATE OF NEW MEXICO
THOMAS A. GAY
No. 240
REGISTERED LANDSCAPE ARCHITECT
8-1-95

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

JOB NO. L95135.04 — DATE JUNE 7, 1995
DRAWN BY P.GAY — DATE
CHECKED BY DMG/GRAD — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT STREETSCAPE
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHARIMAN	[illegible]	7-26-95	HYD	JC	9-7-95
TRANSPORTATION	N/A	9-01-95			
U.D.D.	N/A	8-30-95			
[illegible]	[illegible]	10/31/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23, F-23	16 OF 17

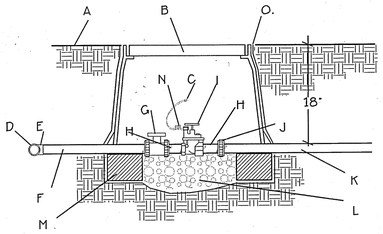
L95135.04

FILENAME: HGDET-1.DWG
7/15/95

26-5189.911 1794

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.

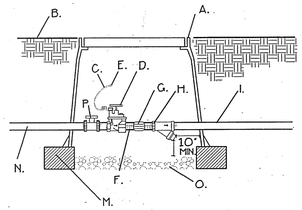
CONSTRUCTION NOTES:
A. FINISH GRADE
B. BROOKS PRODUCTS, INC. 1419-18 BODY (ABS) VALVE BOX WITH 1419 BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION.
C. 3M SCOTCHLOK CONNECTORS.
D. IRRIGATION MAINLINE/LATERAL MAINLINE.
E. IRRIGATION MAINLINE SERVICE TEE OR ELL.
F. SCHEDULE 80 PVC NIPPLE.
G. SPEARS TRUE UNION 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.



A/17 IRRIGATION ELECTRIC VALVE

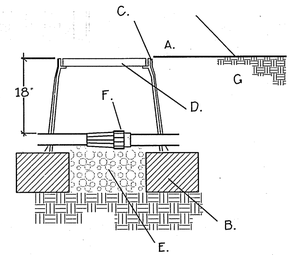
NOT TO SCALE

A. BROOKS PROJUCTS INC. 1419-18 BODY (ABS) VALVE BOX W/BOLT DOWN COVER.(ABS) AND ONE 8" EXTENSION.
B. FINISH GRADE
C. 24" WIRE LOOP
D. AUTOMATIC VALVE- SEE IRRIGATION LEGEND.
E. DRY SPLICE CONNECTOR OR EQUAL
F. SCH. 80 NIPPLE
G. SCH. 80 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. SPEARS TRUE UNION SCHEDULE 80 PVC BALL VALVE



B/17 DRIP VALVE/FILTER ASSEMBLY

NOT TO SCALE



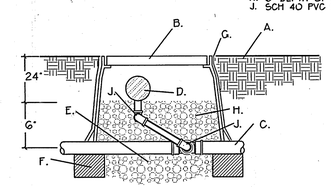
A. FINISH GRADE
B. 8" X 8" X 16" SOLID CMU BLOCK.
C. 6MM BLACK POLYETHYLENE PLASTIC TAPE TO ALL INLET AND OUTLET PIPE. INSTALL FULL LENGTH OF VALVE BOX.
D. BROOK'S PRODUCTS INC. 1419 BODY (ABS) VALVE BOX WITH 1419 BOLT DOWN COVER (ABS) AND 8" EXTENSION.
E. 4" LAYER OF 3/4" GRAVEL
F. INLINE PRESSURE REGULATOR-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

C/17 INLINE PRESSURE REGULATOR

NOT TO SCALE

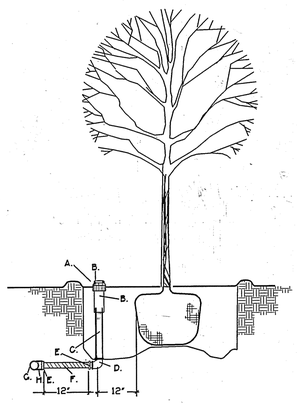
GENERAL NOTES:
1. INSTALL AN 8" X 8" X 16" SOLID CMU BLOCK AT EACH CORNER OF THE VALVE BOX.
2. WASH ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF PIPE AND VALVE.
3. AIR RELEASE VALVES SHALL BE INSTALLED AT ALL HIGH POINTS IN THE MAINLINE AND AS SHOWN ON THE PLANS.

CONSTRUCTION NOTES:
A. FINISH GRADE
B. BROOKS PRODUCTS, INC. 1419-18 BODY (ABS) VALVE BOX WITH 2200 BOLT DOWN COVER (ABS) AND (2) 6 3/4" EXTENSIONS.
C. IRRIGATION MAINLINE/LATERAL MAINLINE.
D. AIR RELEASE VALVE- SEE IRRIGATION LEGEND.
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



F/17 AIR RELIEF VALVE

NOT TO SCALE

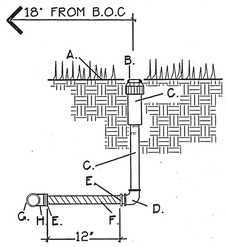


GENERAL NOTES:
1. LATERAL LINE TESTING SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE FLEX PIPE ASSEMBLY. LATERAL TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELLS.
2. TOP OF BUBBLER SHALL BE SET FLUSH WITH MULCH.
3. BUBBLER SHALL ALWAYS BE INSTALLED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

D/17 POP-UP BUBBLER AT TREE

NOT TO SCALE

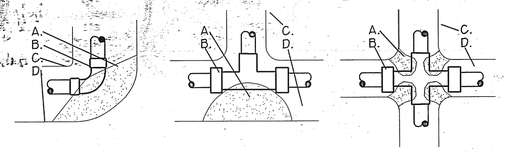


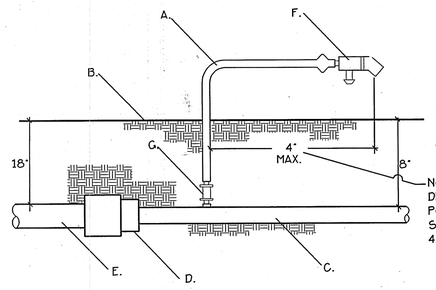
GENERAL NOTES:
1. THIS DETAIL SHALL BE USED FOR POP-UP SPRAY AND GEAR DRIVEN ROTARY SPRINKLER HEADS.
2. LATERAL LINE TESTING SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE FLEX PIPE ASSEMBLY. LATERAL TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELLS.
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/17 IRRIGATION SPRINKLER HEAD WITH FLEX PIPE ASSEMBLY

NOT TO SCALE



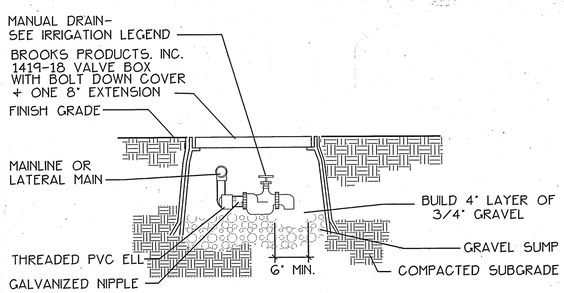


A. FLEXIBLE TUBING
B. FINISH GRADE
C. 1/2" POLY PIPE
D. PVC TO POLY ADAPTER
* INSTALL IN VALVE BOX W/ INLINE PRESSURE REGULATOR
E. PVC PIPE
F. DRIP EMITTER- SEE IRRIGATION LEGEND
G. CONNECTION BARB

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

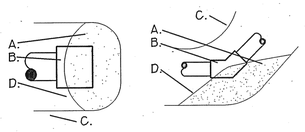
I/17 PVC/POLY PIPE CONNECTION

NOT TO SCALE



G/17 MANUAL DRAIN

NOT TO SCALE



GENERAL NOTES:
1. PVC FITTINGS SHALL BE PROTECTED FROM CONCRETE BY PLACING 10 ML. 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.

H/17 IRRIGATION THRUST BLOCKS

NOT TO SCALE

AS-BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTED BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY
NO.

BOHANNAN-HUSTON INC.
CONSULTING ENGINEERS • LAND SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

STATE OF NEW MEXICO
THOMAS A. GAY
No. 240
REGISTERED LANDSCAPE ARCHITECT
7-17-95

NO.	DATE	REMARKS REVISIONS DESIGN	BY

DATE JUNE 7, 1995
DATE
DATE
JOB NO. L95135.04
DRAWN BY F.GAY
CHECKED BY BWG/GRAD

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

HIGH DESERT STREETSCAPE
PHASE II. MEDIANS
ACADEMY, SPAIN & HIGH DESERT ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHARIMAN		9-26-95	HVD		9-27-95
TRANSPORTATION		9-26-95			
U.D.D.		9-27-95			
		10/23/95			

DRAWING	MAP NO.	SHEET
5189.91	E-23, F-23	17 OF 17

L95135.04

26-5189.911 1897

FILENAME: HGDET-2.DWG
7/15/95