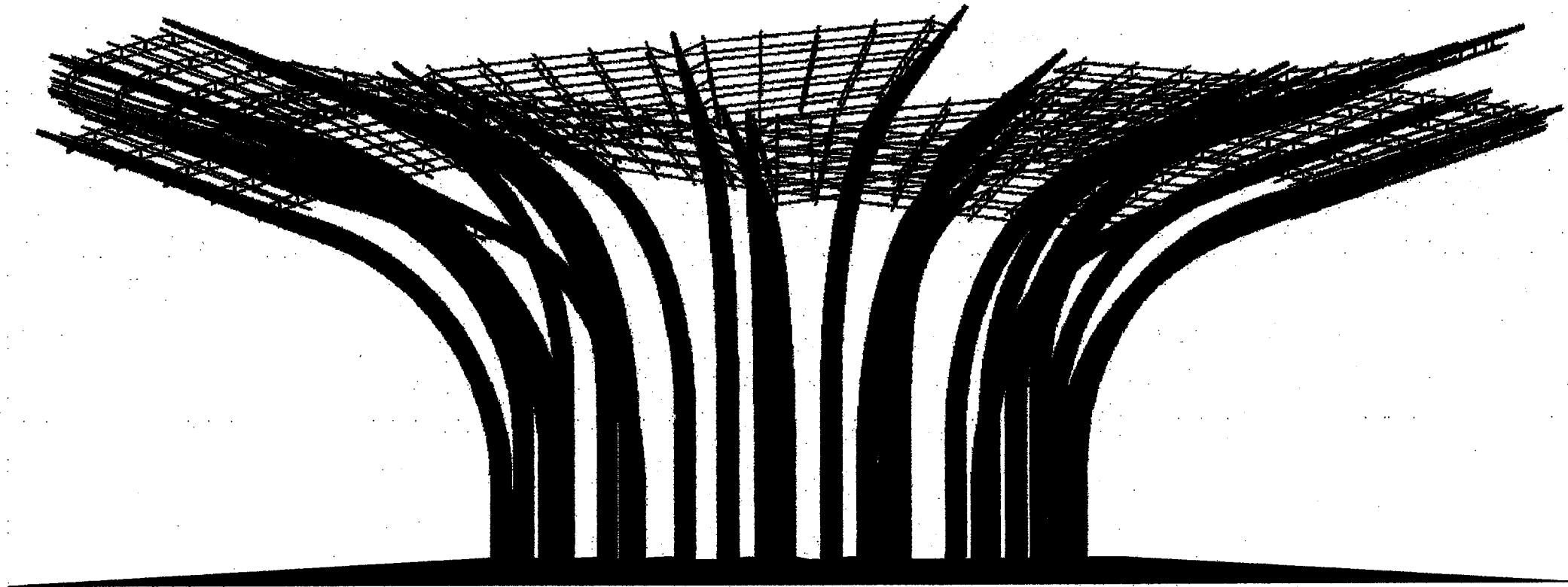


Addison Circle Rond Point • Addison, Texas

Bid No. 98-10

100% CONSTRUCTION DOCUMENTS • 12 AUGUST 1998



Client/Owner
Town of Addison
5300 Belt Line Road
Addison, Texas 75001-0144
Telephone (972) 450 7000
Facsimile (972) 450 7043

Landscape Architect/ Prime Consultant
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Telephone (617) 864 2076
Facsimile (617) 492 3128

Artist
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Telephone (704) 682 7199
Facsimile (704) 678 9059

Structural Engineer
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, Massachusetts 02139
Telephone (617) 868 1200
Facsimile (617) 661 7520

Architectural Consultant
Thompson and Rose Architects
1430 Massachusetts Avenue
Cambridge, Massachusetts 02139
Telephone (617) 876 9966
Facsimile (617) 876 9922

Metal Fabricator Advisor
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, California 90016
Telephone (310) 287 0593
Facsimile (310) 287 0596

Lighting Designer
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, New York 10010
Telephone (212) 741 3280
Facsimile (212) 741 3112

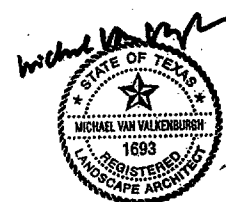
Electrical Engineer
R.G. Vanderweil Engineers, Inc.
274 Summer Street
Boston, Massachusetts 02210-1112
Telephone (617) 423 7423
Facsimile (617) 423 7401

Irrigation Consultant
Terry J. Little, Irrigation Consultant
16835 Addison Road, Suite 103
Dallas, Texas 75248
Telephone (972) 380 4566
Facsimile (972) 380 4566

Geotechnical Engineer
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, Texas 75247
Telephone (214) 630 1010
Facsimile (214) 630 7070

Wind Laboratory
The Boundary Layer Wind Tunnel Laboratory
The University of Western Ontario
London, Ontario, Canada N6A 5B9
Telephone (519) 661 3338
Facsimile (519) 661 3339

List of Drawings



Drawing Cover Sheet

Landscape Drawings
L0.01 General Notes and Legends
L1.01 Existing Conditions and Site Preparation Plans
L1.02 Layout, Materials, Grading, and Planting Plans
L2.01 Site Details

Structural Drawings
S1.01 Metal Sculpture Foundation Plan Details and Notes
S1.02 Metal Sculpture Pole Layout and Details
S2.01 Metal Sculpture Truss Details

Artist Drawings

A1.01 Artwork Layer - Petals A, B, and C
A1.02 Artwork Layer - Petals D and E
A2.01 Petal A Images A1 through A4
A2.02 Petal B Images B1 through B4
A2.03 Petal C Images C1 through C2
A2.04 Petal C Images C3 through C4
A2.05 Petal D Images D1 through D4
A2.06 Petal E Images E1 through E4

Electrical Engineering Drawings

E1.01 Electrical Site Lighting Plan
E2.01 Electrical Legend, Details, Schedules, and General Notes

Irrigation Drawings

I1.01 Irrigation Plan, Notes, and Details

Legend of Symbols for Landscape Architectural Drawings

	Proposed Wall
+/-	Plus or minus dimension
	Detail Reference: Detail Number Sheet Number
	Plan, Section, or Elevation Detail Reference Indicates Direction of View
	Diameter
	Align Elements
	Elevation Marker
83°1'10"	Angle in Degrees, minutes, seconds
---	Limit of Work
(715.0)	Existing Spot Elevation
715.0	Proposed Spot Elevation
---730---	Existing Contour
---730---	Proposed Contour
1%	Percentage and Direction of Down Slope
3:1	Slope Ratio, Horizontal Distance: Vertical Rise
	Center Line
	Angle
MH	Existing Manhole
	Existing Traffic Sign to Remain and be Protected

Legend of Symbols for Landscape Architectural Drawings

TW	Top of Wall Elevation	PVC	Existing Polyvinyl Chloride Pipe
BW	Bottom of Wall Elevation	UGE	Existing Underground Electric Conduit
CIP	Cast in Place	RCP	Existing Reinforced Concrete Pipe
COMP	Compacted	WW	Existing Waste Water Line
CONC	Concrete	W	Existing Water Line
DWG	Drawing	ENG	Engineer
EA	Each	MH	Existing Manhole
CJ	Control Joint	LA	Landscape Architect
EJ	Expansion Joint	FH	Fire Hydrant
EL	Elevation	ELEC	Electric
EQ	Equal		
Exist	Existing		
HP	High Point		
LP	Low Point		
LOW	Limit of Work		
MAX	Maximum		
MIN	Minimum		
NTS	Not to Scale		
OC	On Center		
R	Radius		
REBAR	Reinforcing Bar		
TC	Top of Curb Elevation		
BC	Bottom of Curb		
TYP	Typical		
VIF	Verify in Field, report findings to Landscape Architect		
W/	With		
W/O	Without		

GENERAL NOTES

- The existing conditions were compiled from base plans of the site prepared by Huit-Zollars, Inc., 3131 McKinney Avenue, Suite 600, Dallas, Texas 75204, (214) 871-3311, and dated January 1996. Although every effort has been made to accurately locate all conditions, actual conditions may vary from those shown. The Contractor shall make a full review of all existing conditions of the site and shall report discrepancies to the Landscape Architect before starting work. The Contractor shall assume responsibility for actual conditions as they exist on site.
- The Contractor shall familiarize himself with all utilities above grade, at grade, and underground, including utility pipes and structures. The Contractor shall verify with the Town of Addison and Utility Companies the locations of all utilities prior to the start of construction. The Contractor shall take sole responsibility for the cost incurred due to damage and replacement of all utilities on the site. The Contractor shall contact all utility companies (including but not limited to Lone Star Gas, MCI, Texas Union Electric, Southwestern Bell, Addison Access) and the Town of Addison Department of Public Works to field locate all utilities before starting work.
- The contract limit line represents the limit of work. The contract limit line shall be at the limit necessary for improvements and plantings as shown on the Drawings. The Contractor shall not do any work beyond the limit of work line as defined on the Drawings and authorized by the respective authority. The Contractor shall take sole responsibility for the cost incurred due to replacement for work done beyond the contract limit line and replacement for work done without the permission of the Owner.
- The Contractor shall be responsible for all coordination to complete the work shown on the Drawings.
- All notes shall be applicable to all Drawings.

SITE PREPARATION NOTES

- Prior to any construction or site preparation, the Contractor shall be responsible for obtaining the services of a Texas-licensed surveyor to stake the limits of demolition and the limits of proposed improvements to facilitate demolition work. The Construction Manager and the Owner shall review the site and approve the extent of clearing before any clearing is started. The Contractor shall take sole responsibility for all costs incurred due to damage and any required replacement of the site elements.
- All existing utilities not indicated to be removed shall remain and be protected.
- The Contractor shall verify all items to be removed with the Construction Manager and Owner prior to disposal. The Contractor shall protect all materials designated to remain and shall be solely responsible for replacement of any materials so designated that are damaged during construction. The extent of replacement and/or repair to damaged items or work shall be determined by the Landscape Architect and the Construction Manager and replaced/ repaired to the Owner's satisfaction.
- The Contractor shall clear and remove all organic matter, debris and rubbish from the job site not designated for salvage or relocation. The removal of such items shall be done in a manner so as not to damage items to remain. The Contractor shall dispose of said materials in a legal manner consistent with all applicable regulations and governing authorities.
- No paint shall be applied to site elements designated to remain. The Contractor shall review the method of marking site elements to remain with the Landscape Architect prior to beginning construction.
- For tree protection of existing trees see Site Preparation Specifications.
- The Contractor shall coordinate and perform all work in the Contract Documents with the work performed under other contracts of construction on the site.
- Existing materials designated for salvage by the Construction Manager, Owner, Landscape Architect, or Contractor, shall be stockpiled or stored in locations as approved by the Construction Manager and Owner.
- The Contractor shall be responsible for visiting the site to determine the extent of demolition, preparation, and removals necessary (whether shown on the Drawings or not) to construct the proposed site improvements. The Contractor shall report, in writing, any discrepancies between the existing and proposed work to the Landscape Architect and the Owner prior to proceeding with construction. Failure to inspect, notice, or report these discrepancies prior to construction shall not relieve the Contractor from his responsibility to perform the necessary operation for the successful completion of the proposed improvements without any change in the contract amount.

10. The existing catch basins and associated vaults and pipes shall be protected from damage at all times. The Contractor shall surround the existing catch basins with strawbales and siltation fences as required by authorities having jurisdiction over the catch basins. The Contractor shall maintain protective devices and delineation stakes for the duration of work operations. Contractor shall not drive equipment over existing catch basins.

For materials for protection of existing catch basins see Site Preparation Specifications.

11. All topsoil within work areas shall be stripped before the start of construction. Contractor shall review limits of topsoil stripping with the Landscape Architect prior to starting work, and topsoil shall be stockpiled at an approved location off site.

12. All existing utilities (whether shown on the Drawings or not) shall remain and be protected.

13. Limits of the work area shall be identified and staked prior to the start of construction.

LAYOUT AND MATERIALS NOTES

- Use dimensional information given. Do not scale Drawings.
- All lines and dimensions are parallel or perpendicular to the lines from which they are measured unless otherwise shown.
- All dimensions shown are taken to the face or centerline of elements unless otherwise indicated.
- The Contractor shall verify dimensions shown on the Drawings and notify the Landscape Architect of any discrepancies prior to the start of construction. The Contractor shall review and obtain the approval of the final layout with the Landscape Architect prior to starting construction.
- The Contractor shall layout and determine the elevations of all site elements for approval by the Landscape Architect prior to the start of construction. The Contractor shall report any conflicts between utility structures and proposed improvements to the Landscape Architect.
- The Contractor shall refer any questions on materials, finishes, and/or products to the Landscape Architect, prior to ordering materials or starting work.
- The layout for the sculpture is shown on Sheet L1.02. All other plans shall be in reference to the layout on this sheet.

GRADING NOTES

- The proposed grading is based upon information taken from plans prepared by Huit-Zollars, Inc. The Contractor shall field verify grades and notify the Landscape Architect of any discrepancies for resolution prior to starting construction operations. The Contractor shall not proceed under uncertainty and shall assume full responsibility and all costs for revisions due to failure to give such notification.
- The Contractor shall layout and determine the elevations of all site elements and foundations for approval by the Landscape Architect and Engineers prior to the start of construction. The Contractor shall report any conflicts between surface utility structures and proposed improvements to the Landscape Architect.
- The Contractor shall be responsible for positive surface drainage in all areas. All newly graded ground surfaces shall be finished to uniform grades and sloped in such a manner as to drain properly and be free of depressions which cause areas of standing water. The Contractor shall report any conflicts with this requirement to the Landscape Architect for resolution prior to final grading operations.
- All grading shall be completed in a way to maintain positive drainage away from or around all foundations. The Contractor shall report any conflicts with this requirement to the Landscape Architect for resolution prior to final grading operations.
- Where proposed grades meet existing grades, blend grades to provide a smooth transition between the new work and the existing work. Ponding at joints will not be accepted.
- The Contractor shall adjust all utility elements or covers to be flush with the final finish grade whether shown on the Drawings or not.

SEEDING AND FINE GRADING NOTES

- Limit of seeding shall be as shown on the Drawings. All areas on the plan are to be loamed and seeded only after approval of the rough grading or as directed by the Landscape Architect.
- Fine Grading: Set sufficient grade stakes for checking the finished grades. Stakes must be set at the bottom and top of slopes. Grades shall be established which are accurate to 1/10th of a foot either way. Connect contours and spot elevations with an even slope. All grading will insure drainage away from structures.
- Fine grade lawn areas to smooth, free draining, even surfaces with fine texture. Roll, rake, and drag lawn areas to flatten ridges and fill depressions. Control moisture content to maintain optimum conditions, but do not create a muddy condition.

**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Bell Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metamorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

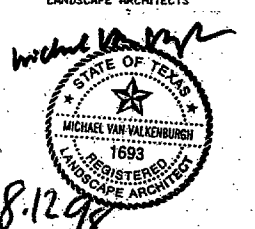
Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

**100% Construction
Documents**

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS



231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-2076 FAX: (617) 492-3128

**LANDSCAPE GENERAL
NOTES AND LEGEND**

JOB NUMBER 9630 DRAWING NUMBER
DATE 12 August 1998
SCALE
DRAWN BY JG, SRC
CHECKED BY LS, MVV

L0.01

**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 366
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

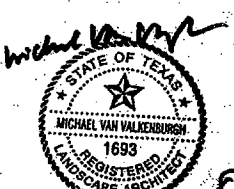
Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

**100% Construction
Documents**

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS



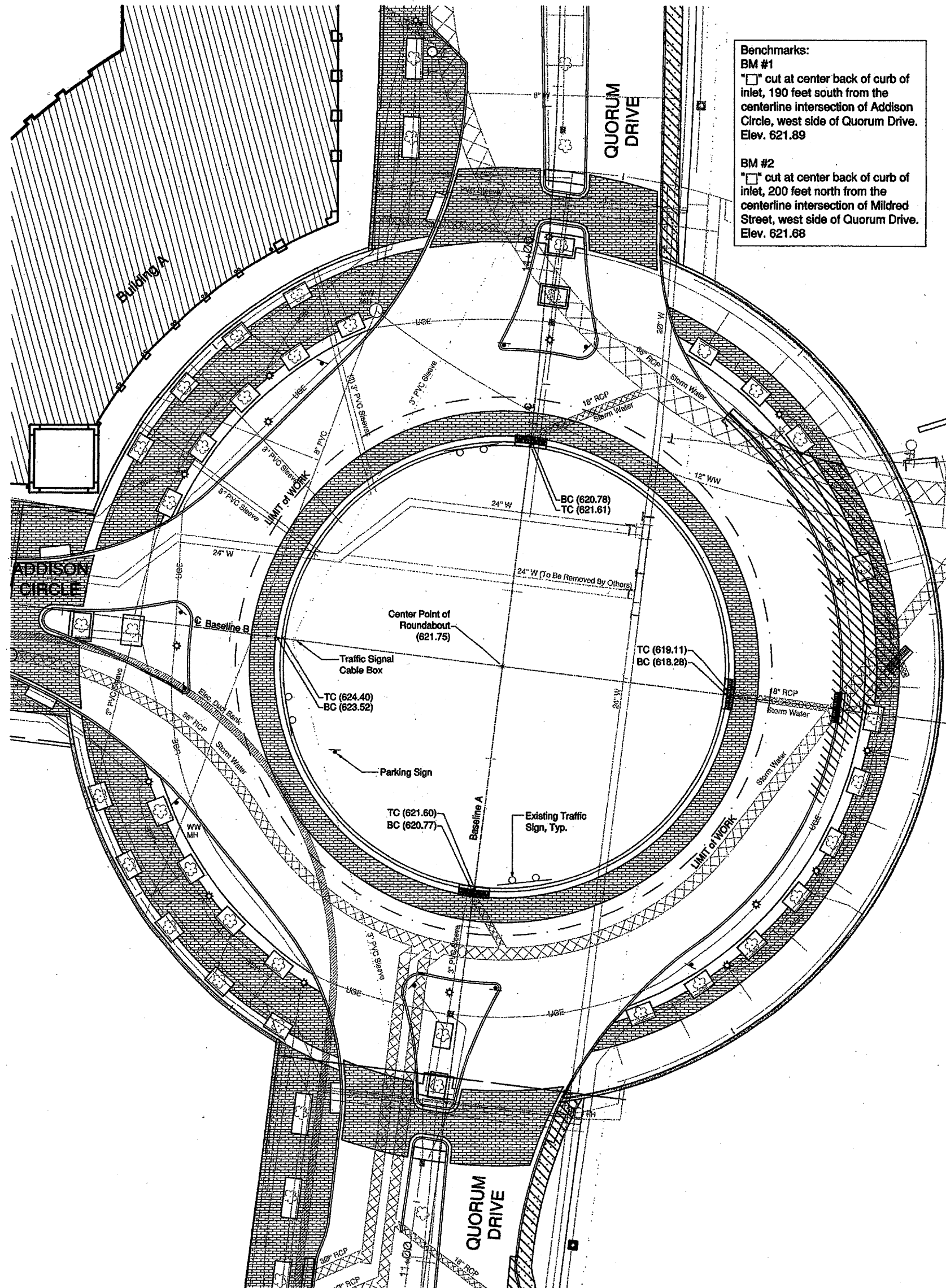
231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-2076 FAX: (617) 492-3128

DRAWING TITLE

**Existing Conditions and
Site Preparation Plans**

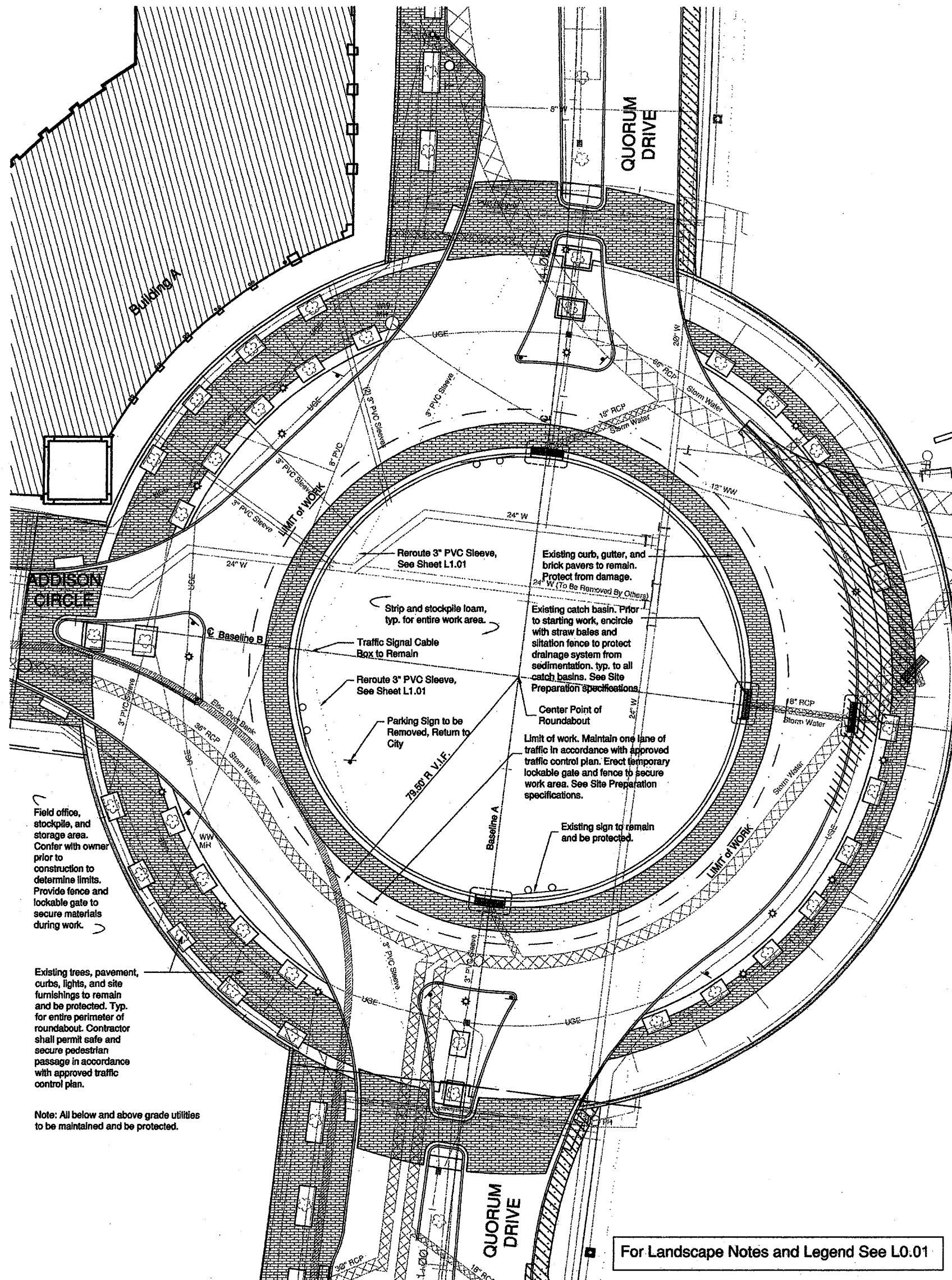
JOB NUMBER 9830 DRAWING NUMBER
DATE 12 August 1998
SCALE 1" = 16'-0"
DRAWN BY PS
CHECKED BY LS, MVV

L1.01



Benchmarks:
BM #1
□ cut at center back of curb of inlet, 190 feet south from the centerline intersection of Addison Circle, west side of Quorum Drive. Elev. 621.89

BM #2
□ cut at center back of curb of inlet, 200 feet north from the centerline intersection of Mildred Street, west side of Quorum Drive. Elev. 621.68



Field office, stockpile, and storage area. Confer with owner prior to construction to determine limits. Provide fence and lockable gate to secure materials during work.

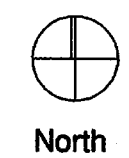
Existing trees, pavement, curbs, lights, and site furnishings to remain and be protected. Typ. for entire perimeter of roundabout. Contractor shall permit safe and secure pedestrian passage in accordance with approved traffic control plan.

Note: All below and above grade utilities to be maintained and be protected.

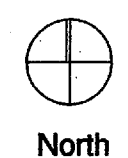
Reroute 3" PVC Sleeve, See Sheet L1.01
Strip and stockpile loam, typ. for entire work area.
Traffic Signal Cable Box to Remain
Reroute 3" PVC Sleeve, See Sheet L1.01
Parking Sign to be Removed, Return to City
79.89' R.I.F.
Existing curb, gutter, and brick pavers to remain. Protect from damage. (To Be Removed by Others)
Existing catch basin. Prior to starting work, enclose with straw bales and siltation fence to protect drainage system from sedimentation. typ. to all catch basins. See Site Preparation specifications.
Center Point of Roundabout
Limit of work. Maintain one lane of traffic in accordance with approved traffic control plan. Erect temporary lockable gate and fence to secure work area. See Site Preparation specifications.
Existing sign to remain and be protected.

For Landscape Notes and Legend See L0.01

1 Existing Conditions
Scale: 1" = 16'-0"



2 Site Preparation Plan
Scale: 1" = 16'-0"



**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9964
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

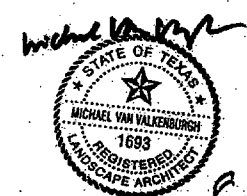
Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderveil Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

**100% Construction
Documents**

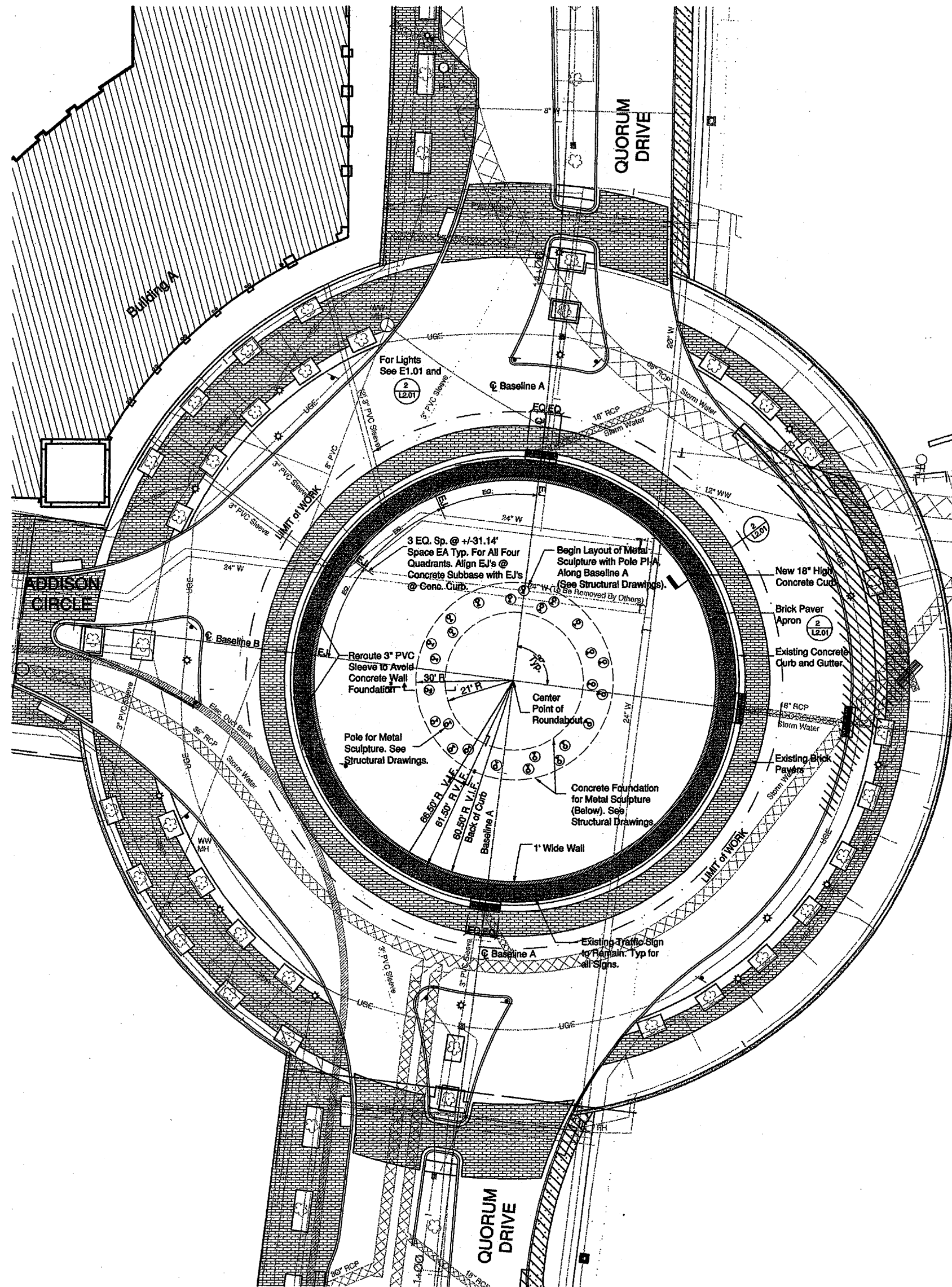
MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS



231 CONCORD AVENUE, CAMBRIDGE, MA 02138, USA
TEL: (617) 864-2076 FAX: (617) 492-3128

DRAWING TITLE
**Layout, Materials,
Grading, and Planting
Plans**

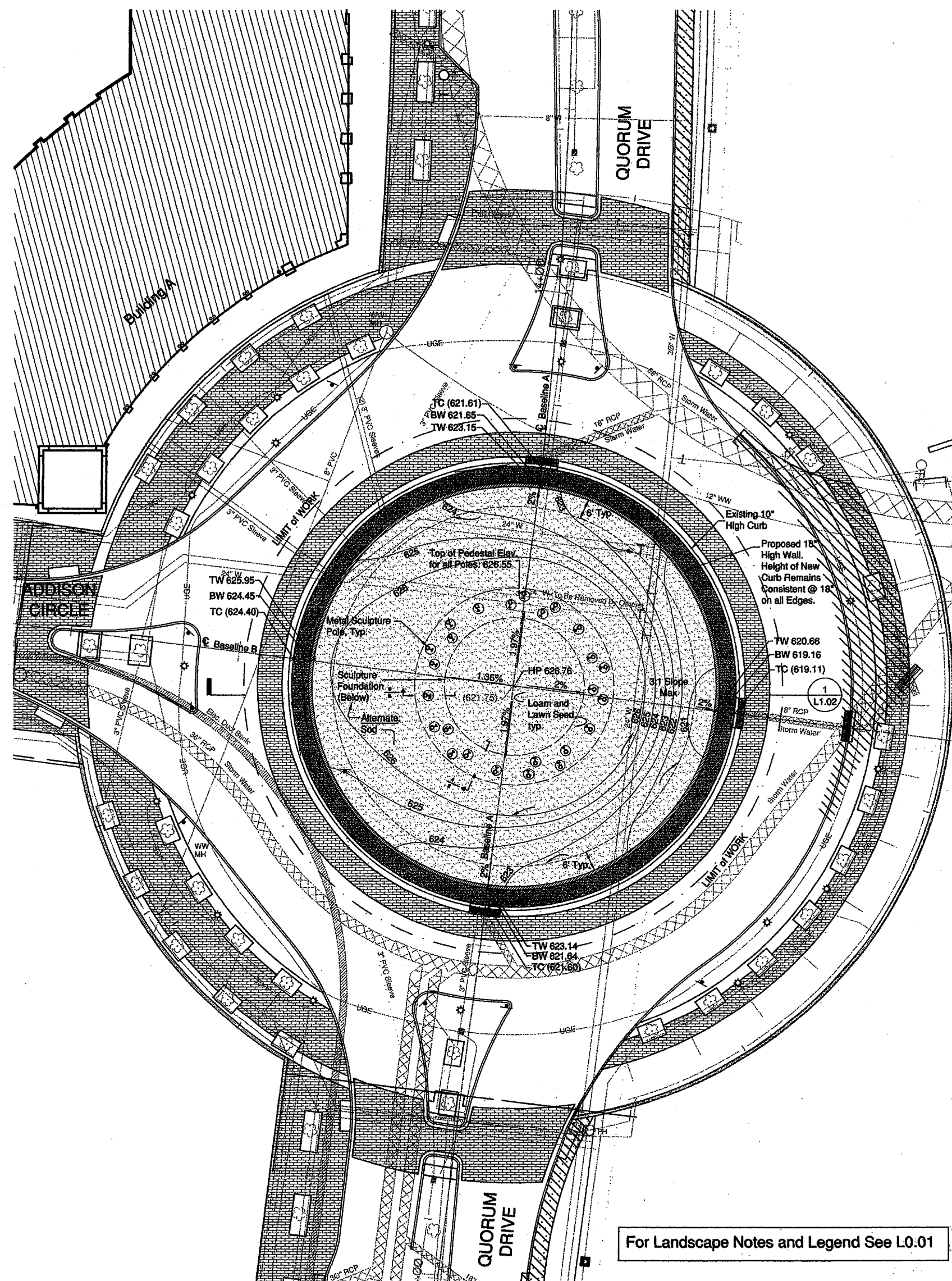
JOB NUMBER 9630 DRAWING NUMBER
DATE 12 August 1998
SCALE 1" = 16'-0"
DRAWN BY PS
CHECKED BY LS, MVV **L1.02**



1 Layout and Materials Plan
Scale: 1" = 16'-0"



North



2 Grading and Planting Plan
Scale: 1" = 16'-0"



North

For Landscape Notes and Legend See L0.01

**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Bell Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metamorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

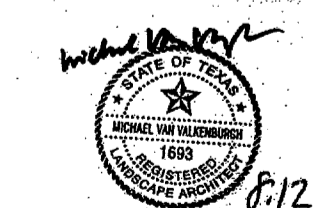
Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderveil Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

100% Construction Documents

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS



231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL (617) 864-2076 FAX (617) 492-3128

DRAWING TITLE

Site Details

JOB NUMBER 9630

DATE 12 August 1998

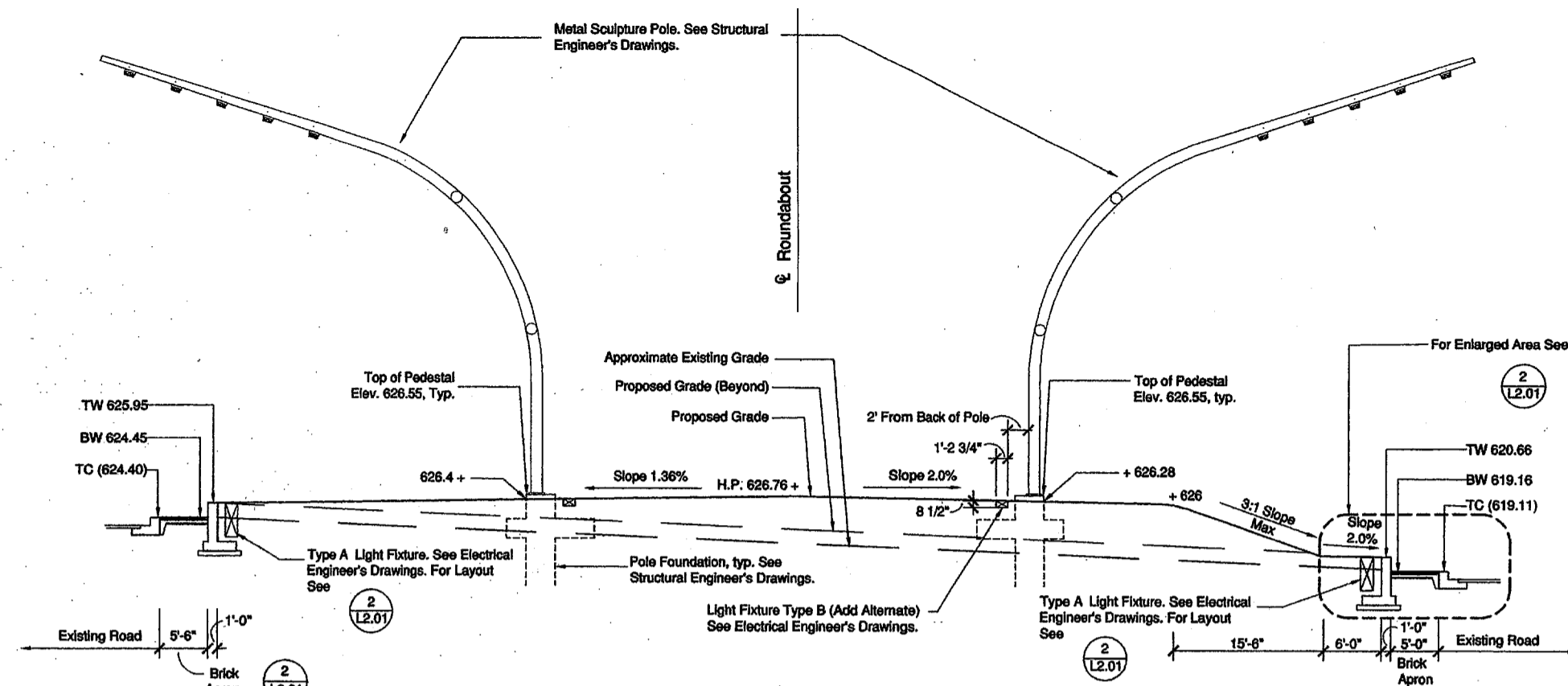
SCALE As noted

DRAWN BY PS

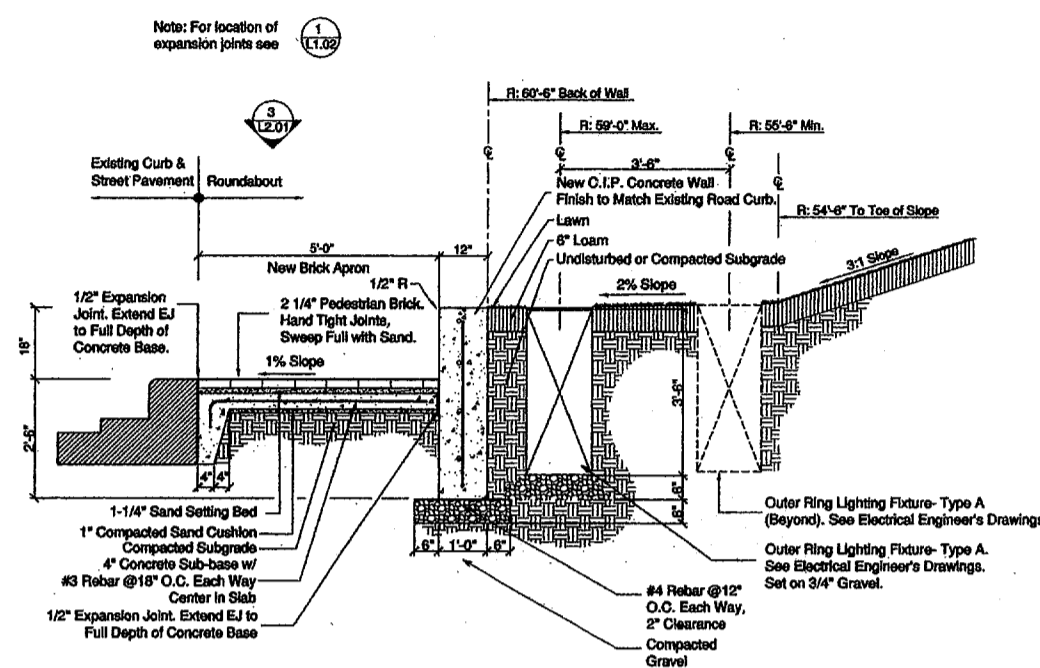
CHECKED BY LS, MVV

L2.01

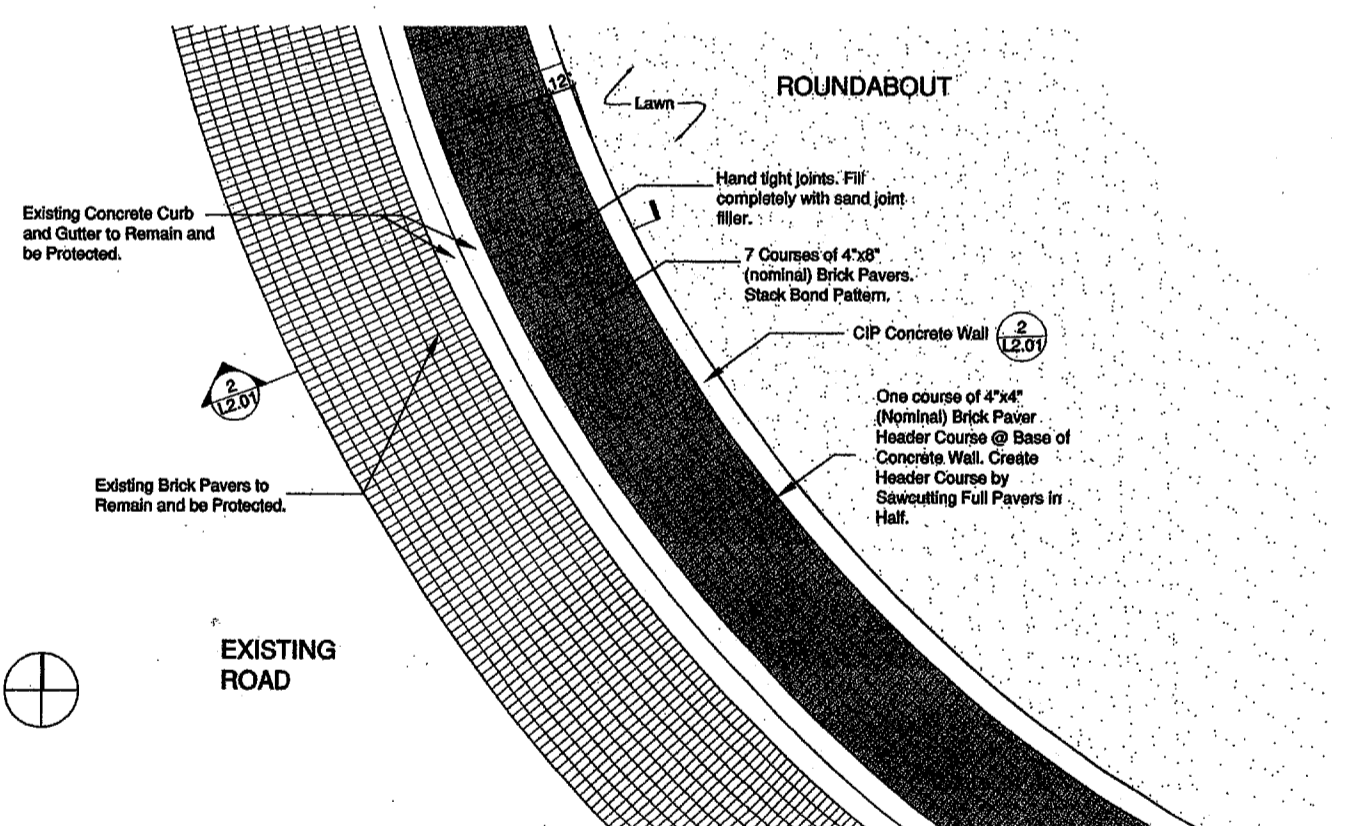
For Landscape Notes and Legend See L0.01



1 Roundabout Grading - Section
Scale: 1/8" = 1'-0"



2 Brick Paver Apron - Section
Scale: 1/2" = 1'-0"



3 Brick Apron Detail - Plan
Scale: 1/4" = 1'-0"

Client:
Town of Addison
P.O. Box 144
6300 Bolt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7049

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
281 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.492.2078
Fax: 617.492.2128

Artist:
Mal Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9380

Architect/Design Consultant:
Thompson and Rose Architects
1450 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.0900
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02139
Tel: 617.868.1200
Fax: 617.861.7620

Lighting Designer:
Cline Bettbridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.8112

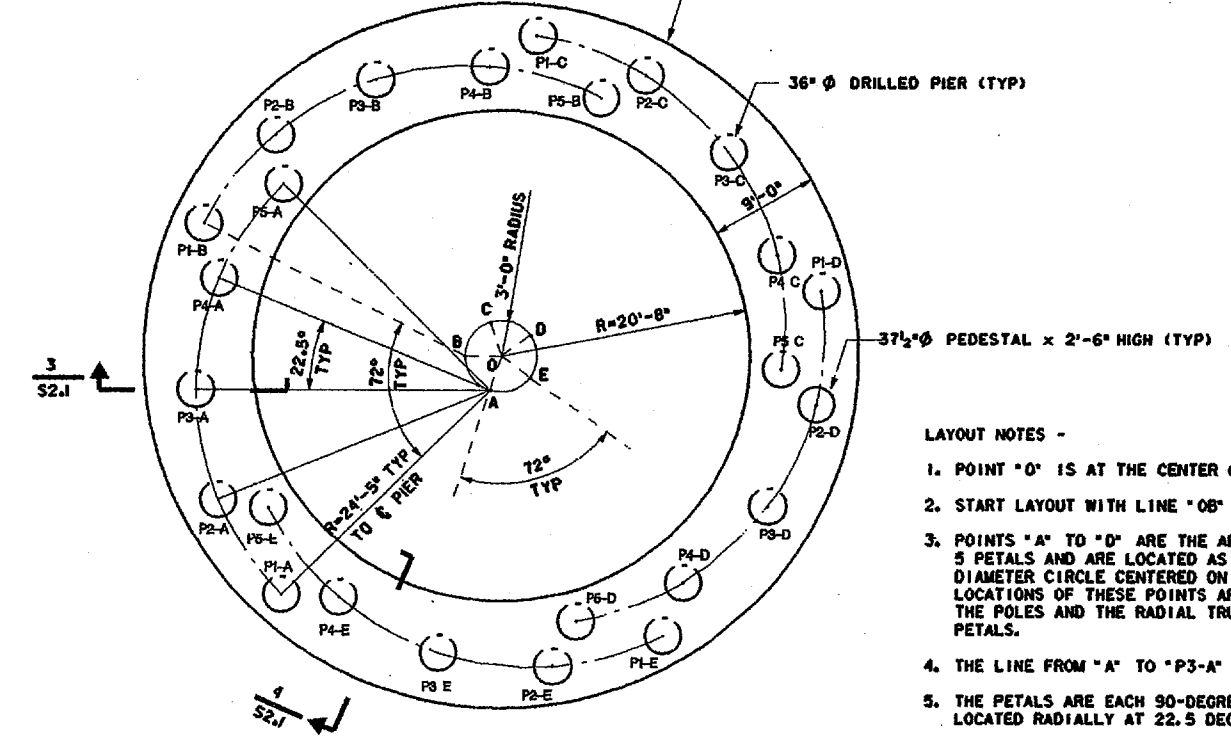
Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.297.0598
Fax: 310.297.0598

Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.680.1010
Fax: 214.680.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
286 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
18835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

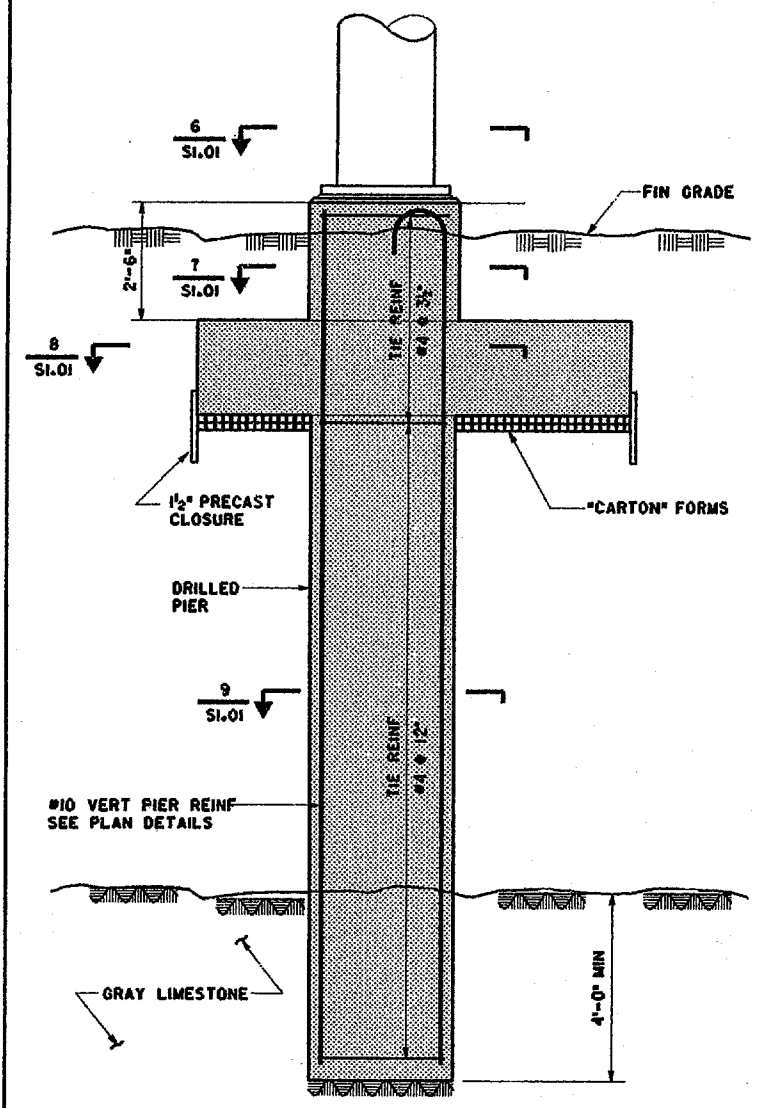
- A - GENERAL**
- A1 THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ALL PARTS OF THE WORK, NO PERFORMANCE OF THE WORK SHALL COMMENCE WITHOUT REVIEW OF THE SHOP DRAWINGS BY THE LANDSCAPE ARCHITECT.
- B - DESCRIPTION OF SCULPTURE**
- B1 THE TOTAL SCULPTURE IS COMPOSED OF 5 STRUCTURALLY INDEPENDENT BUT IDENTICAL PETALS.
- B2 EACH PETAL IS SUPPORTED BY 5 PIPE POLES WHICH ARE IDENTICAL EXCEPT FOR THE LENGTH OF THE STRAIGHT PORTION AT THE BASE.
- B3 THE POLES ARE CONNECTED BY TRUSS PANELS WHICH IN TURN SUPPORT AN ARTWORK LAYER DIRECTLY ATTACHED TO THE BOTTOM SURFACE OF THE PANELS.
- B4 POLES -
(A) POLES ARE MADE UP FROM WELDED SEGMENTS OF 24" HIGH-STRENGTH LINE PIPE (.625" WALL) AND AN APPROX 30 FOOT LENGTH OF TAPERED PIPE AT THE TOP (.375" WALL).
- (B) THE MIDDLE SECTION OF THE POLE IS BENT AT A CONSTANT RADIUS OF 25'-7" AT THE CENTERLINE OF THE 24" PIPE.
- (C) THE FINISHED POLE IS PLANAR.
- B5 TRUSS PANELS -
(A) THERE ARE 4 IDENTICAL PIPE TRUSS PANELS IN EACH PETAL.
- (B) ALTHOUGH THE OVERALL TRUSS PANELS ARE CURVED AND WARPED, ALL INDIVIDUAL PIPES IN EACH PANEL ARE STRAIGHT.
- (C) EACH PANEL IS COMPOSED OF TWO LAYERS OF 2 1/2" PIPE CONNECTED BY 1 1/4" LONG 2 1/2" SPACER PIPES. ALL SPACER PIPES ARE PERPENDICULAR TO THE HORIZONTAL PLANE.
- (D) ALL RADIAL PIPES ARE IDENTICAL, (23 FEET LONG).
- (E) CURVES ARE MADE UP OF APPROX. 5 FOOT STRAIGHT 2 1/2" PIPES WELDED TO THE RADIAL PIPES. THE INFILL PIPES IN EACH OF THE 5 RINGS ARE IDENTICAL EXCEPT AT THE SUPPORTS.
- (F) EACH RADIAL PIPE HAS THE SAME ANGLE TO THE HORIZONTAL PLANE BUT IS OFFSET IN ELEVATION. THE TOTAL VERTICAL OFFSET FROM ONE SIDE OF A PANEL TO THE OTHER IS 2'-8".
- (G) WELDED TRUSS JOINTS MUST DEVELOP THE FULL BENDING CAPACITY OF THE PIPES.
- C - FOUNDATIONS**
- C1 NO RESPONSIBILITY IS ASSUMED BY THE LANDSCAPE ARCHITECT FOR THE VALIDITY OF THE SUBSURFACE CONDITIONS DESCRIBED ON THE DRAWINGS, SPECIFICATIONS OR TEST BORINGS IN THE GEOTECHNICAL REPORT. THESE DATA ARE INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION AND REPRESENT CONDITIONS ONLY AT THESE SPECIFIC LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE.
- C2 DESIGN PENETRATION OF DRILLED SHAFTS INTO GRAY LIMESTONE IS 4 FEET.
- C3 EXCAVATIONS OF DRILLED SHAFTS SHALL BE MAINTAINED IN THE DRY.
- C4 COMPLETE INSTALLATION OF INDIVIDUAL SHAFTS WITHIN 8 HOURS AFTER THE DESIGN PENETRATION INTO THE GRAY LIMESTONE IS BEGUN.
- C5 IMMEDIATELY BEFORE FILLING WITH CONCRETE, THE DRILLED SHAFTS MUST BE INSPECTED BY THE OWNER'S REPRESENTATIVE FOR VERIFICATION OF BEARING SURFACE.
- D - CONCRETE**
- D1 CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-95)," AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-95)."
- D2 CONCRETE SHALL BE CONTROLLED CONCRETE, PROPORTIONED, MIXED, AND PLACED IN THE PRESENCE OF A REPRESENTATIVE OF THE OWNER'S TESTING AGENCY.
- D3 CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH 4000 PSI (NORMALWEIGHT).
- E - REINFORCEMENT**
- E1 REINFORCEMENT WORK OF DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-95)," "ACI DETAILING MANUAL-1988 (SP-66)," "CRSI MANUAL OF STANDARD PRACTICE (MSP 1-90)," AND "STRUCTURAL WELDING CODE - REINFORCING STEEL (AWS D1.4-92)."
- E2 STEEL REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL CONFORM TO ASTM A615 GRADE 60.
- E3 PROVIDE AND SCHEDULE ON SHOP DRAWINGS THE NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN POSITION. MINIMUM REQUIREMENTS SHALL BE HIGH CHAIRS, 4'-0" O.C. WITH CONTINUOUS #5 SUPPORT BARS. SLAB BOLTERS, CONTINUOUS AND 3'-0" O.C.
- E4 MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE 2" FOR FORMED SURFACES AND 3" FOR SURFACES IN CONTACT WITH GROUND.
- E5 REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
- E6 REINFORCEMENT SHALL NOT BE TACK WELDED.
- E7 INSTALLATION OF REINFORCEMENT SHALL BE COMPLETED AT LEAST 24 HOURS PRIOR TO THE SCHEDULED CONCRETE PLACEMENT. NOTIFY LANDSCAPE ARCHITECT OF COMPLETION AT LEAST 24 HOURS PRIOR IN ADVANCE OF PLACEMENT.
- F - STRUCTURAL STEEL**
- F1 STRUCTURAL STEEL WORK SHALL CONFORM TO "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 1989)," "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS & BRIDGES AND "STRUCTURAL WELDING CODE - STEEL (AWS D1.1-94)."
- F2 STRUCTURAL STEEL SHALL BE DETAILED IN ACCORDANCE WITH "DETAILING FOR STEEL CONSTRUCTION (AISC)."
- F3 STRUCTURAL STEEL SHALL BE NEW STEEL CONFORMING TO THE FOLLOWING:
(A) PLATES AND TAPERED PIPE..... ASTM A572 GRADE 50 (Fy = 50 KSI)
(B) ARTWORK TUBES..... ASTM A500 GRADE B (Fy = 46 KSI)
(C) PIPES..... API 5L X60 (Fy = 60 KSI)
(D) BOLTS, ANCHOR BOLTS..... ASTM A325
(E) MISC ARTWORK MEMBER..... ASTM A36
- F4 ANCHOR BOLTS SHALL BE LOCATED AND BUILT INTO FOUNDATIONS, PRESET BY TEMPLATES.
- F5 WELDED CONNECTIONS SHALL BE MADE BY APPROVED CERTIFIED WELDERS USING FILLER METAL CONFORMING TO ERW OR F7X-ERWX WITH LOW HYDROGEN.
- F6 WELDS SHALL DEVELOP THE FULL STRENGTH OF THE MATERIALS BEING WELDED, UNLESS NOTED OTHERWISE.
- F7 FILLET WELDS SHALL BE A MINIMUM OF 1/4" UNLESS SPECIFICALLY APPROVED.
- F8 FIELD CUTTING OF STRUCTURAL STEEL OR ANY FIELD MODIFICATIONS OF STRUCTURAL STEEL SHALL NOT BE MADE WITHOUT PRIOR WRITTEN APPROVAL BY LANDSCAPE ARCHITECT FOR EACH SPECIFIC CASE.
- F9 ATTACH ARTWORK LAYER (SHOWN ON "A" SERIES DRAWINGS) TO BOTTOM CHORDS OF PIPE TRUSSES.
- F10 ARTWORK LAYER WEIGHT NOT TO EXCEED 10,000# PER PETAL.
- F11 ARTWORK LAYER CONNECTIONS TO BE DESIGNED BY FABRICATOR FOR A LOAD OF 4 TIMES THE SELFWEIGHT LOAD OF THE ARTWORK.
- F12 NEOPRENE PADS SHALL BE USED AS REQUIRED BETWEEN THE TRUSS CHORD AND THE ARTWORK LAYER FOR SOUND ATTENUATION.
- F13 MODIFY ARTWORK MEMBERS AS REQUIRED, OR ADD ADDITIONAL STIFFENING TO KEEP SELFWEIGHT DEFLECTION OF ARTWORK LESS THAN 1/8" BETWEEN SUPPORTS.
- F14 PIPE SPLICES TO BE FULL PENETRATION WELDED AND GROUND SMOOTH.
- F15 BENDING PROCESS SHALL MAINTAIN SPECIFIED YIELD STRENGTH OF PIPES.
- G - ERECTION NOTES**
- G1 PROVIDE SHORING AND GUYS FOR TEMPORARY SUPPORT OF POLES DURING ERECTION.
- G2 SHORING MAY NOT BE REMOVED FROM A PARTICULAR POLE UNTIL REQUIRED ANCHOR BOLT WORK IS COMPLETE.
- G3 ERECT TRUSS PANELS AS ONE COMPLETE UNIT, PREFERABLY WITH ARTWORK ALREADY ATTACHED.
- G4 IN ORDER TO MINIMIZE SHEAR ON FOUNDATIONS, ERECT ONLY ONE OF THE FOUR TRUSS PANELS ON A PETAL UNTIL ALL POLES HAVE BEEN ERECTED.
- G5 SINCE THE OUTER POLES WILL MOVE LATERALLY TOWARDS THE CENTER POLE IN A PETAL WHEN THE TRUSS LOAD IS APPLIED, TEMPORARY SHORING MAY FACILITATE FINAL TRUSS ERECTION. FINAL BOLT UP SHOULD FIRST BE DONE AT THE CENTER POLE AND THEN PROCEED ALTERNATELY TO THE OUTSIDE EDGES TO MINIMIZE LATERAL SHIFT. PROVIDE GUYED SUPPORT TO CENTER POLE DURING TRUSS ERECTION.
- H - DESIGN LOADS (PER PETAL)**
- H1 DEAD LOAD
(A) SELFWEIGHT OF POLES AND TRUSSES.....57 KIPS
(B) ARTWORK LAYER ALLOWANCE.....10 KIPS
- H2 LIVE LOAD
(A) ICE LOADING.....56 KIPS
- H3 WIND LOAD
(A) FROM ANY DIRECTION (36 PSF).....33 KIPS



FOUNDATION PLAN

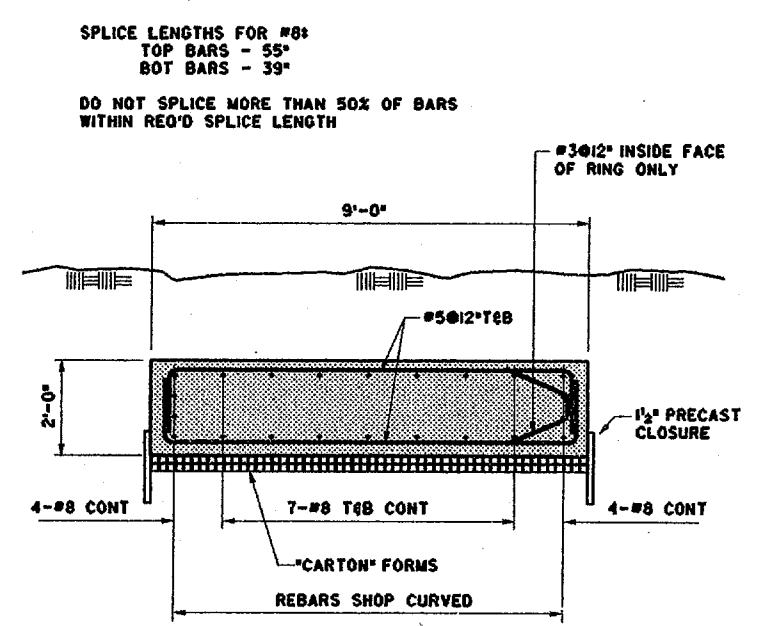
- LAYOUT NOTES -
1. POINT "O" IS AT THE CENTER OF THE SCULPTURE.
 2. START LAYOUT WITH LINE "OB" HORIZONTAL.
 3. POINTS "A" TO "E" ARE THE ARC CENTERS OF THE 5 PETALS AND ARE LOCATED AS SHOWN ON A 3 FOOT DIAMETER CIRCLE CENTERED ON "O". THE PLAN LOCATIONS OF THESE POINTS ARE USED TO LAY OUT THE POLES AND THE RADIAL TRUSS MEMBERS OF THE PETALS.
 4. THE LINE FROM "A" TO "P3-A" IS PARALLEL TO "OB".
 5. THE PETALS ARE EACH 90-DEGREE ARCS WITH POLES LOCATED RADIALLY AT 22.5 DEGREE INCREMENTS.
 6. THE FOUNDATION SLAB IS CENTERED ON POINT "O".

SCALE: 1/4"=1'-0"



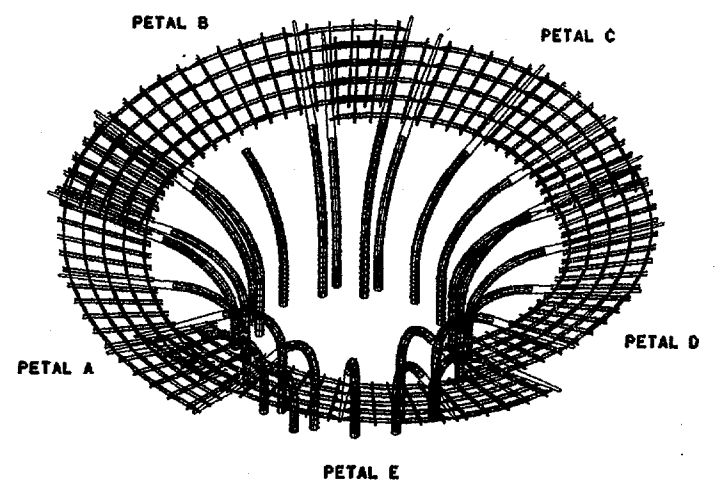
SECTION THRU PIER

SCALE: 1/2"=1'-0"



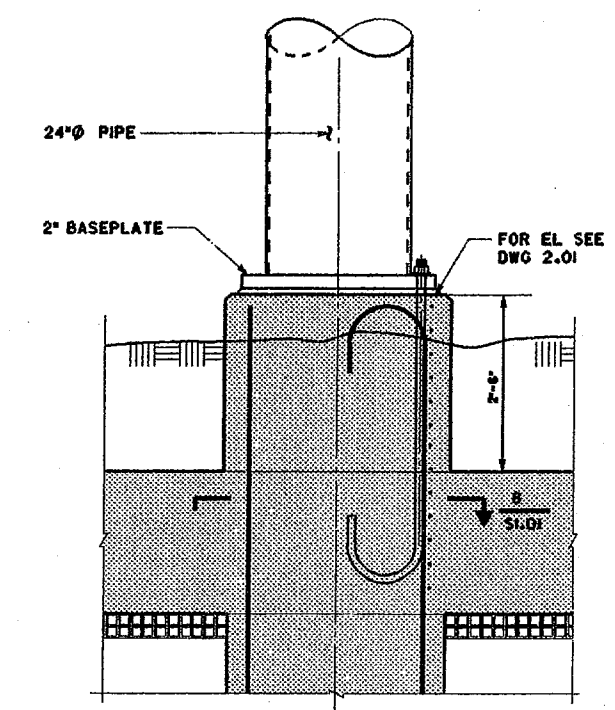
SECTION THRU SLAB

SCALE: 1/2"=1'-0"



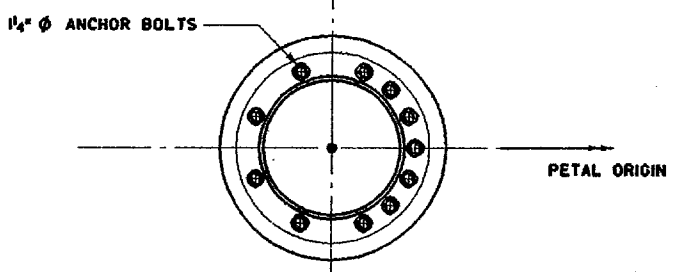
PERSPECTIVE OF SCULPTURE

SCALE: 3/4"=1'-0"



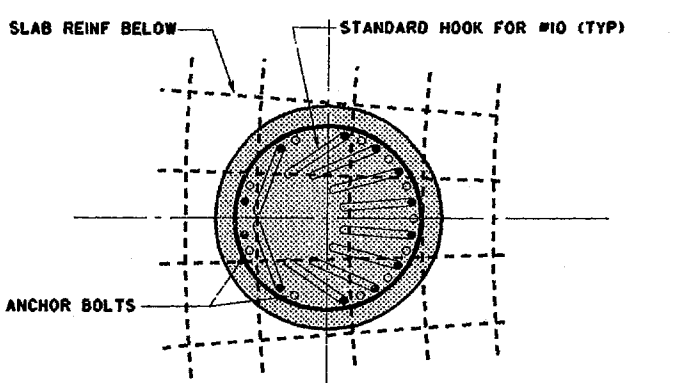
SECTION THROUGH PEDESTAL

SCALE: 3/4"=1'-0"



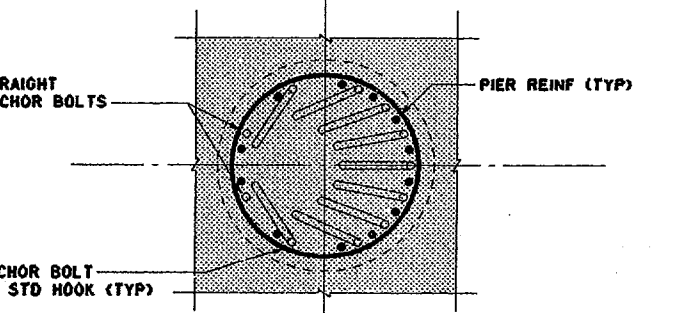
POLE BASE PLATE PLAN

SCALE: 3/4"=1'-0"



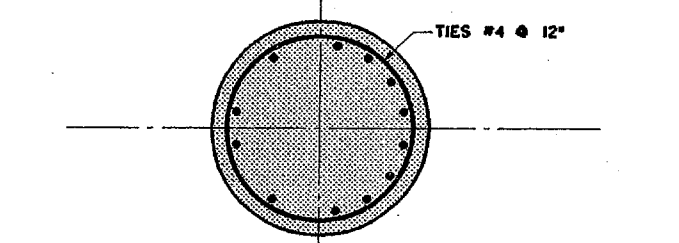
PEDESTAL PLAN SECTION

SCALE: 3/4"=1'-0"



PIER PLAN SECTION AT SLAB

SCALE: 3/4"=1'-0"



PIER PLAN SECTION

SCALE: 3/4"=1'-0"

100% CONSTRUCTION DOCUMENTS

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECT

281 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-0278 FAX: (617) 492-2128

Job Number: 98275
Date: 12 AUG 1998
Scale: AS NOTED
Drawn by: WCY
Checked by: DFS

Metal Sculpture
Foundation Plan
Details and Notes

S1.01

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 76001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
281 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2078
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.692.7199
Fax: 212.388.9380

Architect/Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.878.9966
Fax: 617.878.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02139
Tel: 617.868.1200
Fax: 617.861.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3113

Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Granga Boulevard
Los Angeles, CA 90018
Tel: 310.287.0693
Fax: 310.287.0696

Geotechnical Engineer:
HBO Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.680.1010
Fax: 214.680.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16895 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4568

100% CONSTRUCTION DOCUMENTS

MICHAEL VAN VALKENBURGH & ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

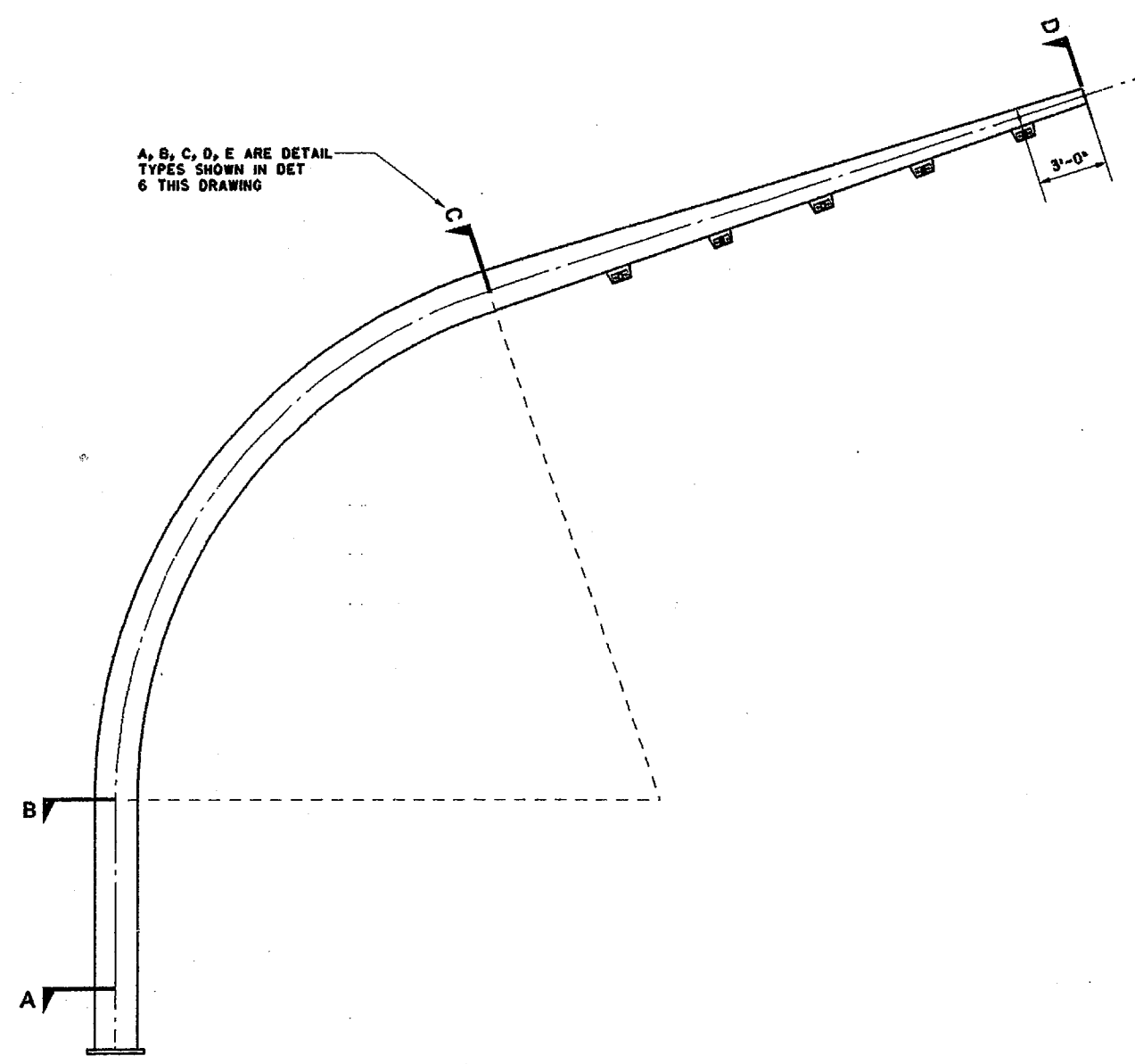
281 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-2078 FAX: (617) 492-3128

DRAWING TITLE

Metal Sculpture
Pole Layout
and Details

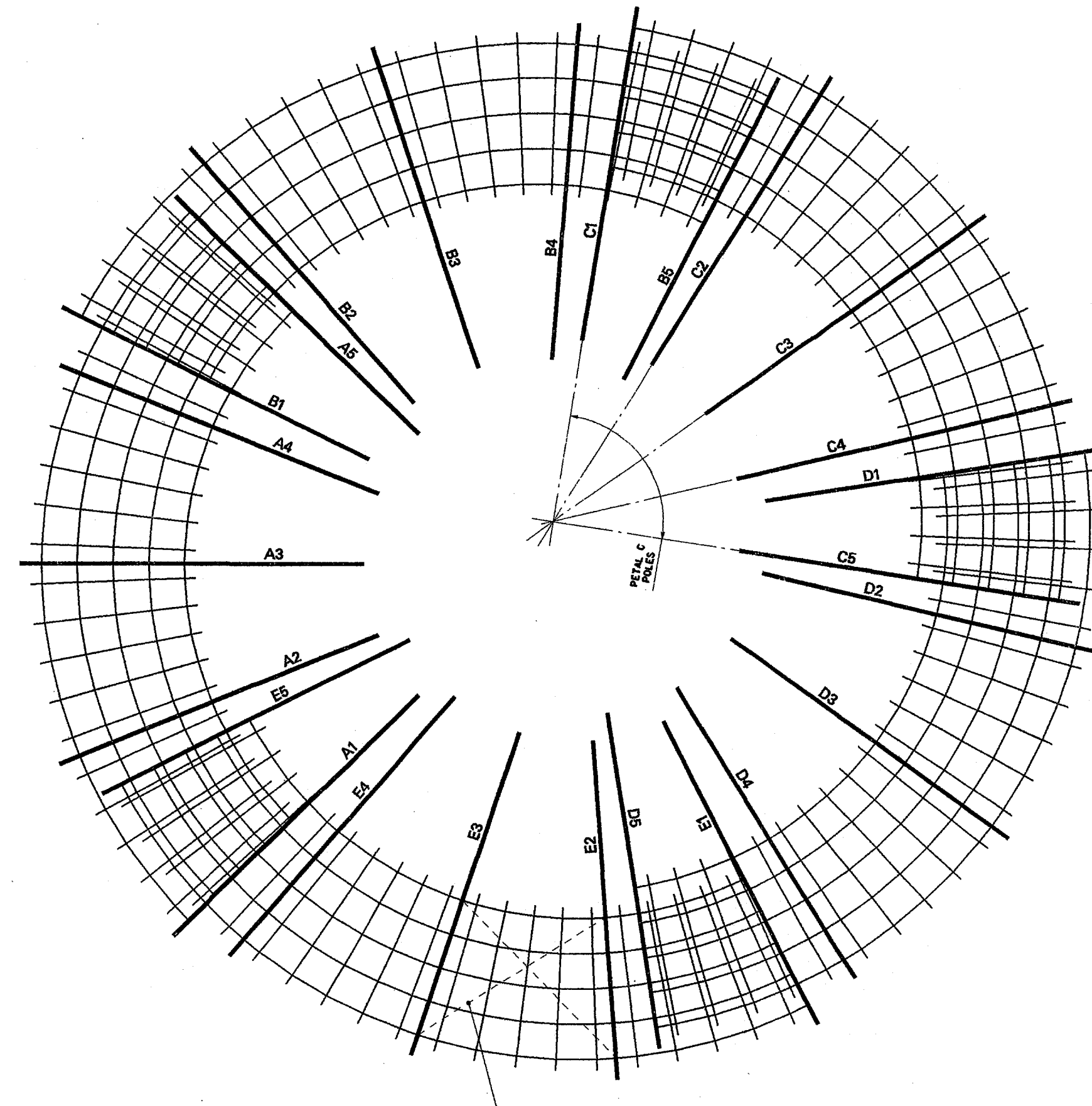
JOB NUMBER: 98275 DRAWING NUMBER:
DATE: 12 AUG 1998
SCALE: AS NOTED
DRAWN BY: WCY
CHECKED BY: DFS

S1.02



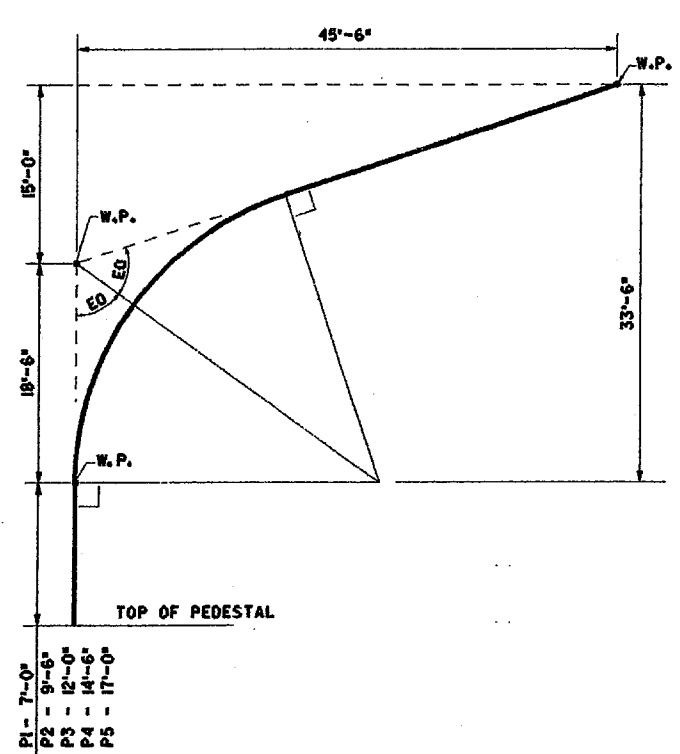
1 POLE ELEVATION

SCALE: 1/4"=1'-0"



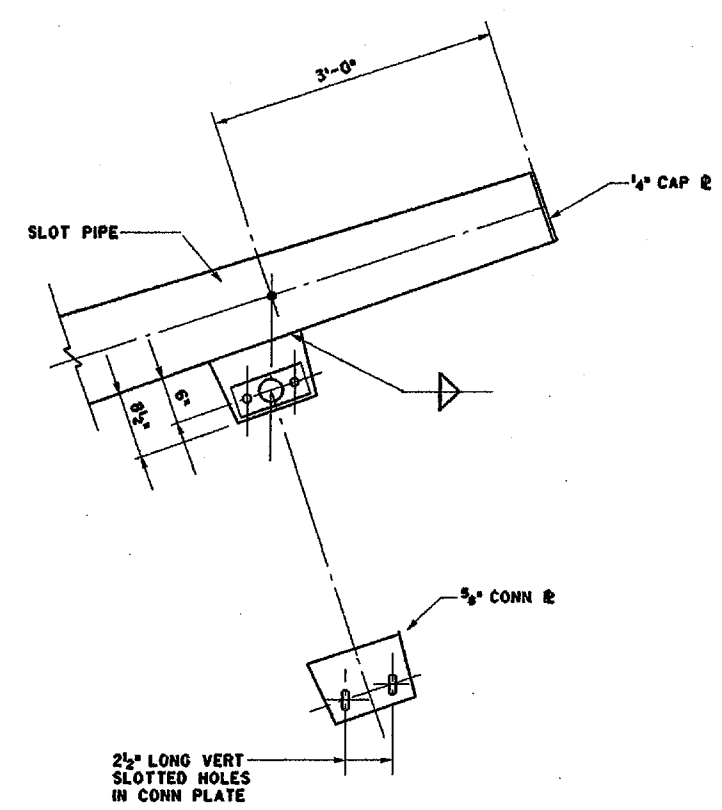
2 SUPERSTRUCTURE PLAN

SCALE: 1/8"=1'-0"



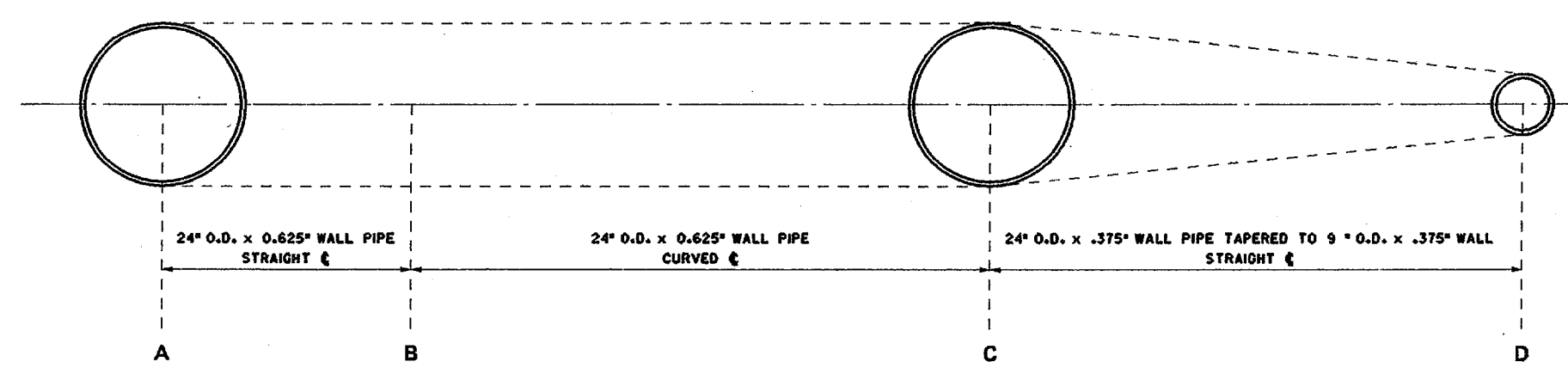
3 POLE GEOMETRY AT CENTERLINE OF PIPE

SCALE: 1/8"=1'-0"



4 DETAIL AT TRUSS SUPPORT

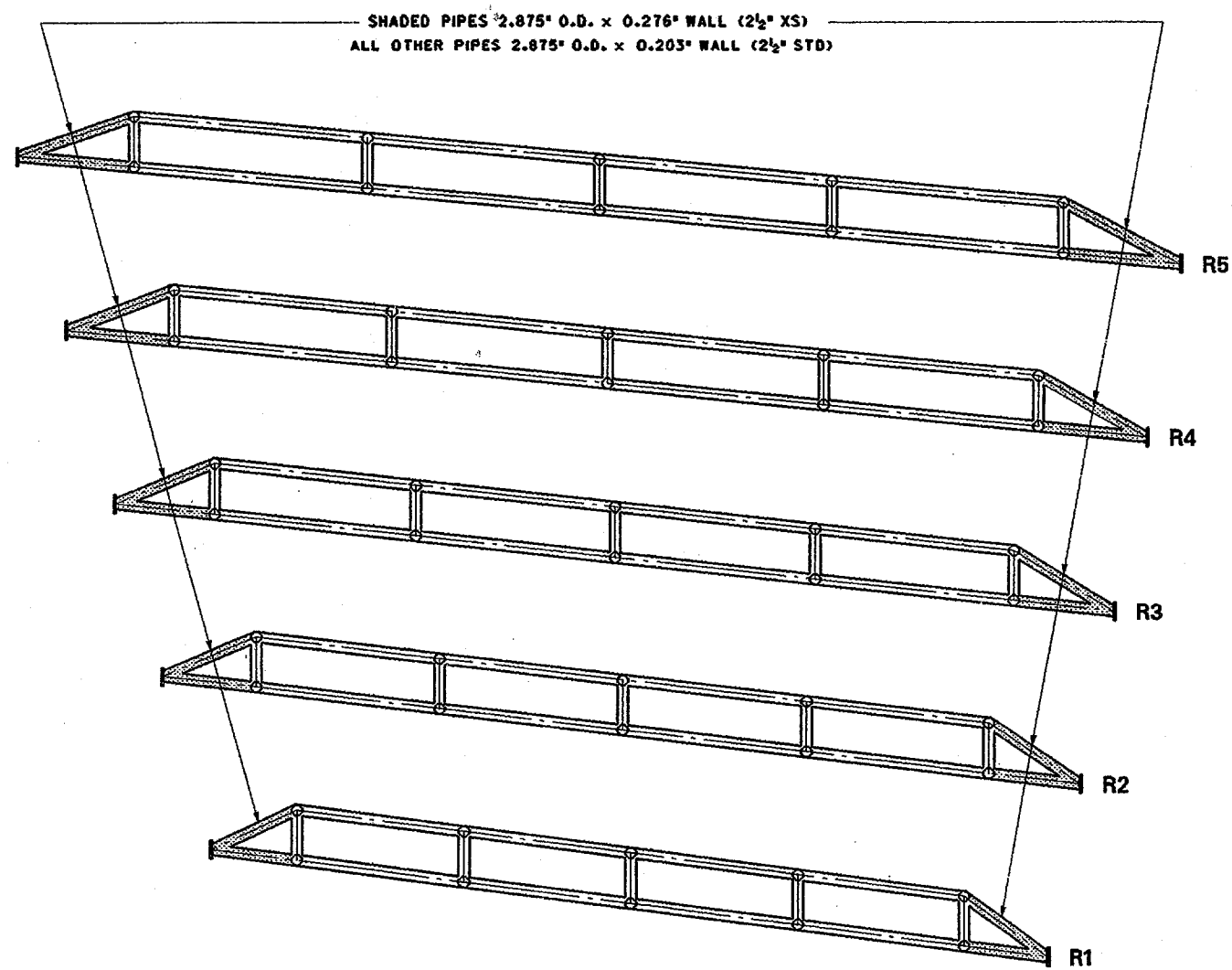
SCALE: 1"=1'-0"



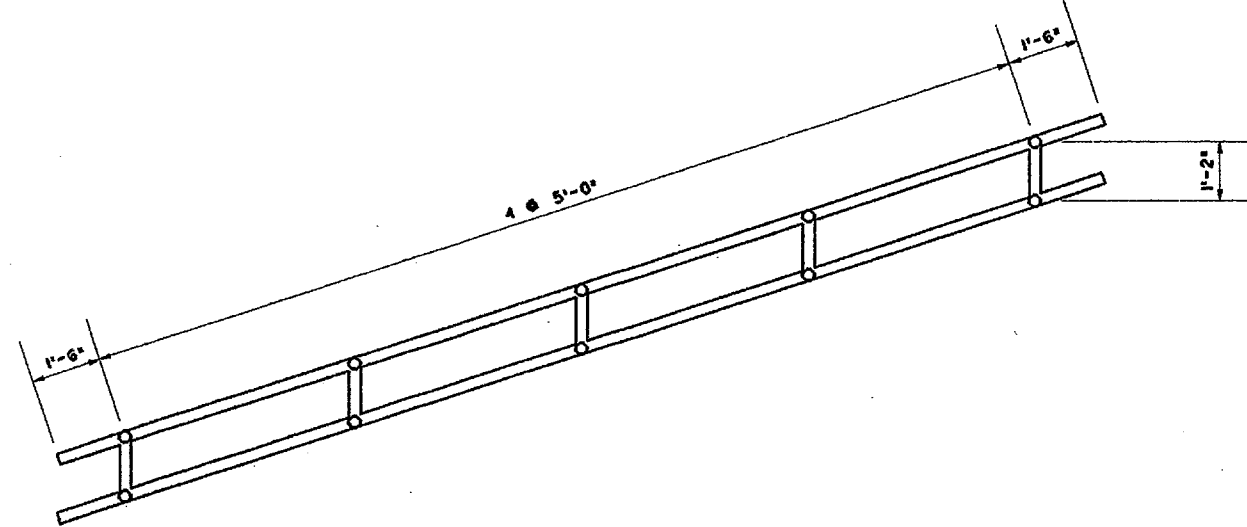
6 DIAGRAM OF POLE CROSS SECTIONS

SCALE: 1"=1'-0"

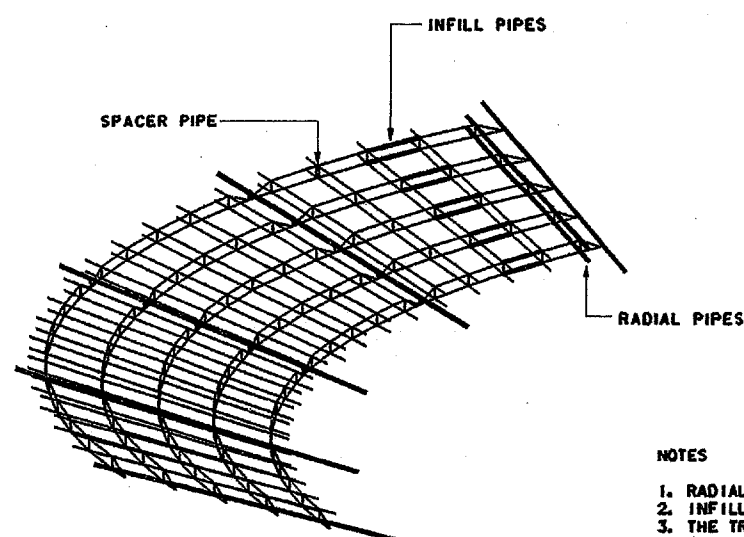
ADDISON CIRCLE ROND POINT
SINGLE
DATE: 12 AUG 1998
DRAWN BY: WCY
CHECKED BY: DFS



1 INFILL PIPE ELEVATIONS (RADIAL PROJ.)



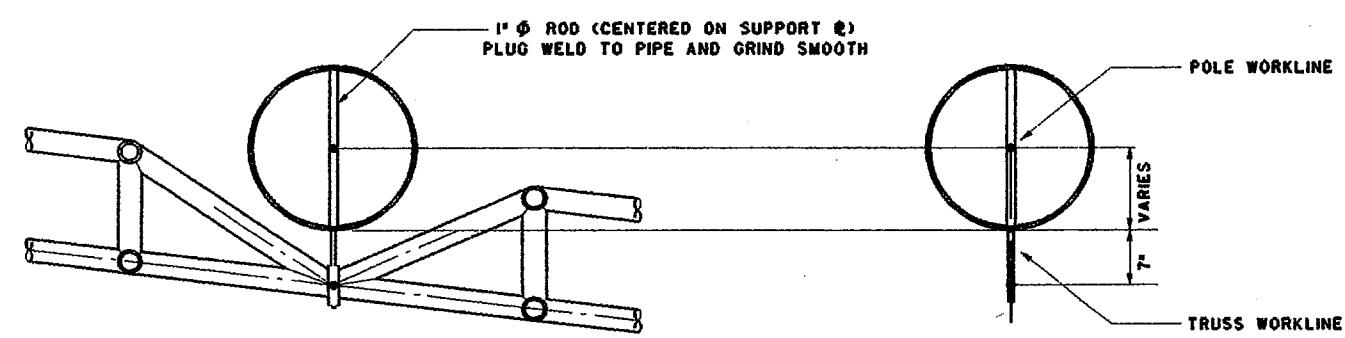
3 SIDE ELEVATION OF TYPICAL RADIAL PIPES



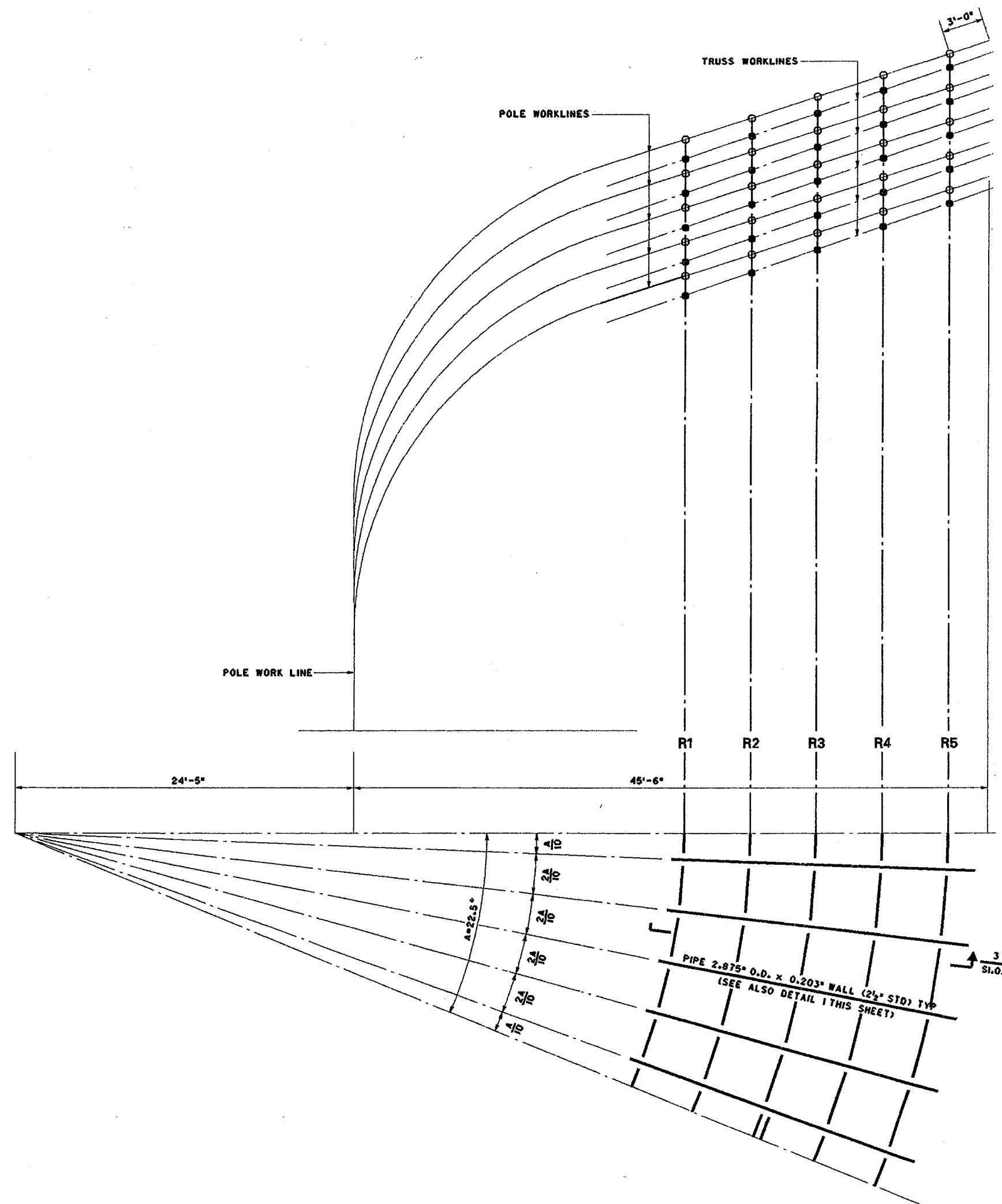
NOTES

1. RADIAL PIPES ARE ALL 23 FEET LONG.
2. INFILL PIPES AND SPACER PIPES ARE WELDED TO RADIAL PIPES.
3. THE TRUSS PANELS ARE ALL IDENTICAL.
4. THE TOP AND BOTTOM GRILLAGES ARE INTERCHANGABLE EXCEPT AT SUPPORT EDGES.
5. PIPES TO BE CAPPED FOR WATERTIGHTNESS.

4 PERSPECTIVE



2 SECTION AT TRUSS SUPPORT



5 TRUSS LAYOUT PLAN AND ELEVATION

ADDISON CIRCLE
ROND POINT

Addison, Texas

BID No. 98-10

Client:
Town of Addison
P.O. Box 344
5300 Bell Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7048

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.462.3128

Artist:
Mal Chin
P.O. Box 568
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.368.8930

Architect/Design Consultant:
Thompson and Rose Architects
1450 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.878.9986
Fax: 617.878.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02139
Tel: 617.868.1200
Fax: 617.861.7620

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.8280
Fax: 212.741.8112

Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0698
Fax: 310.287.0698

Geotechnical Engineer:
HBO Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
288 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
18335 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.350.4566
Fax: 972.350.4566

100% CONSTRUCTION
DOCUMENTS

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: 617.864.2076 FAX: 617.462.3128

ISSUED FOR:

Metal Sculpture
Truss Details

JOB NUMBER: 98275 DRAWN NUMBER:
DATE: 12 AUG 1998
SCALE: AS NOTED
DRAWN BY: WCY
CHECKED BY: DFS

S1.03

**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Notes:

1. For Artwork Layer, see Sheet A1.02.
2. For Conceptual Artwork Layer fastening detail, see Sheet A2.04.
3. For enlarged plans of images, see Sheets A2.01 through A2.06.

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 565
Burnsville, North Carolina 28714
Tel: 704.882.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderveil Engineers, Inc.
256 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

100% Construction Documents

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

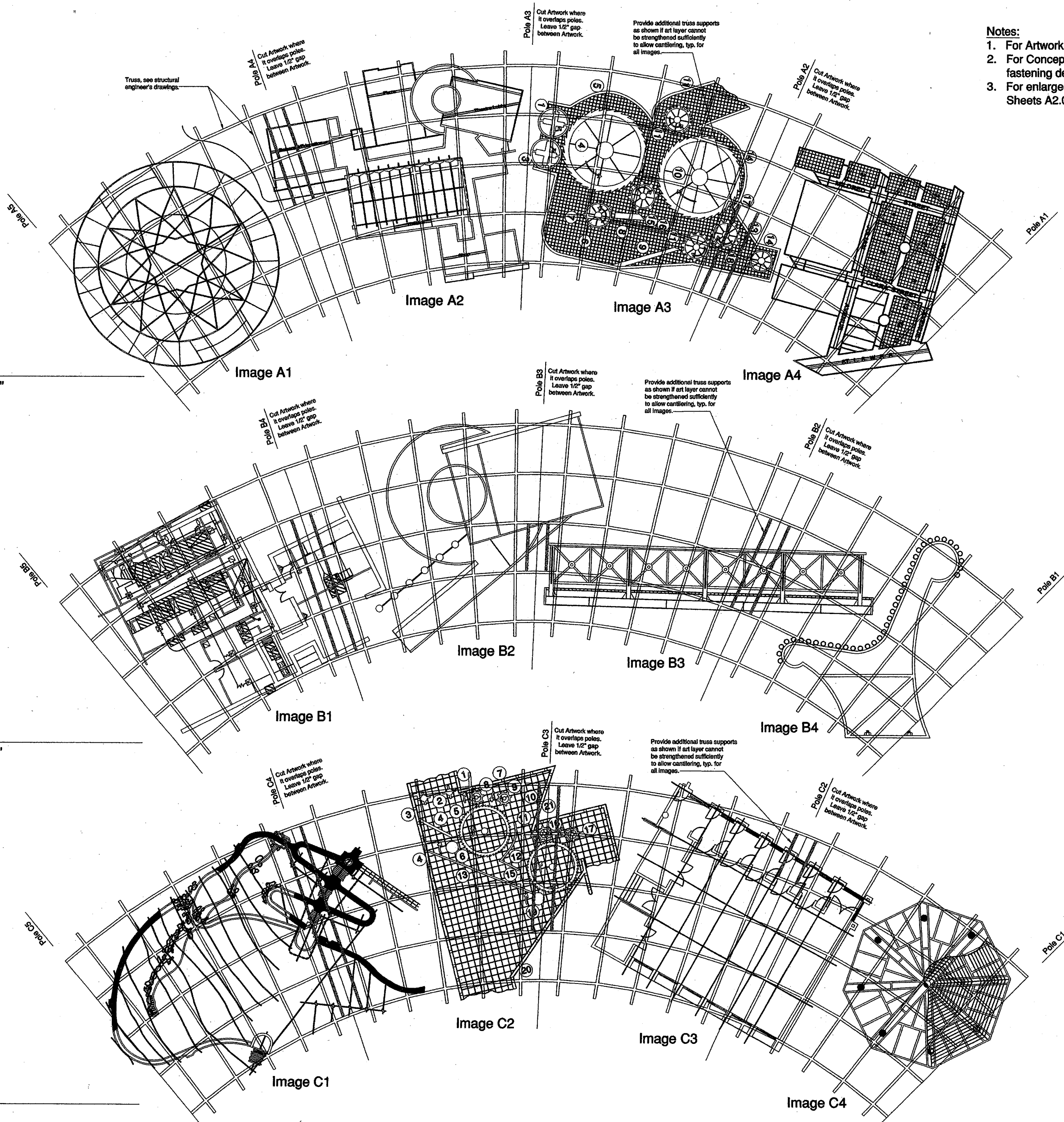
231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-2076 FAX: (617) 492-3128

DRAWING TITLE

**Artwork Layer-
Petals A, B and C**

JOB NUMBER: 9830 DRAWING NUMBER:
DATE: 12 August 1998
SCALE: 1/4" = 1'-0"
DRAWN BY: EP, MR, SRC
CHECKED BY: LS, MVV

A1.01



1 Petal A
Scale: 1/4" = 1'-0"

2 Petal B
Scale: 1/4" = 1'-0"

3 Petal C
Scale: 1/4" = 1'-0"

**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cino Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metamorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

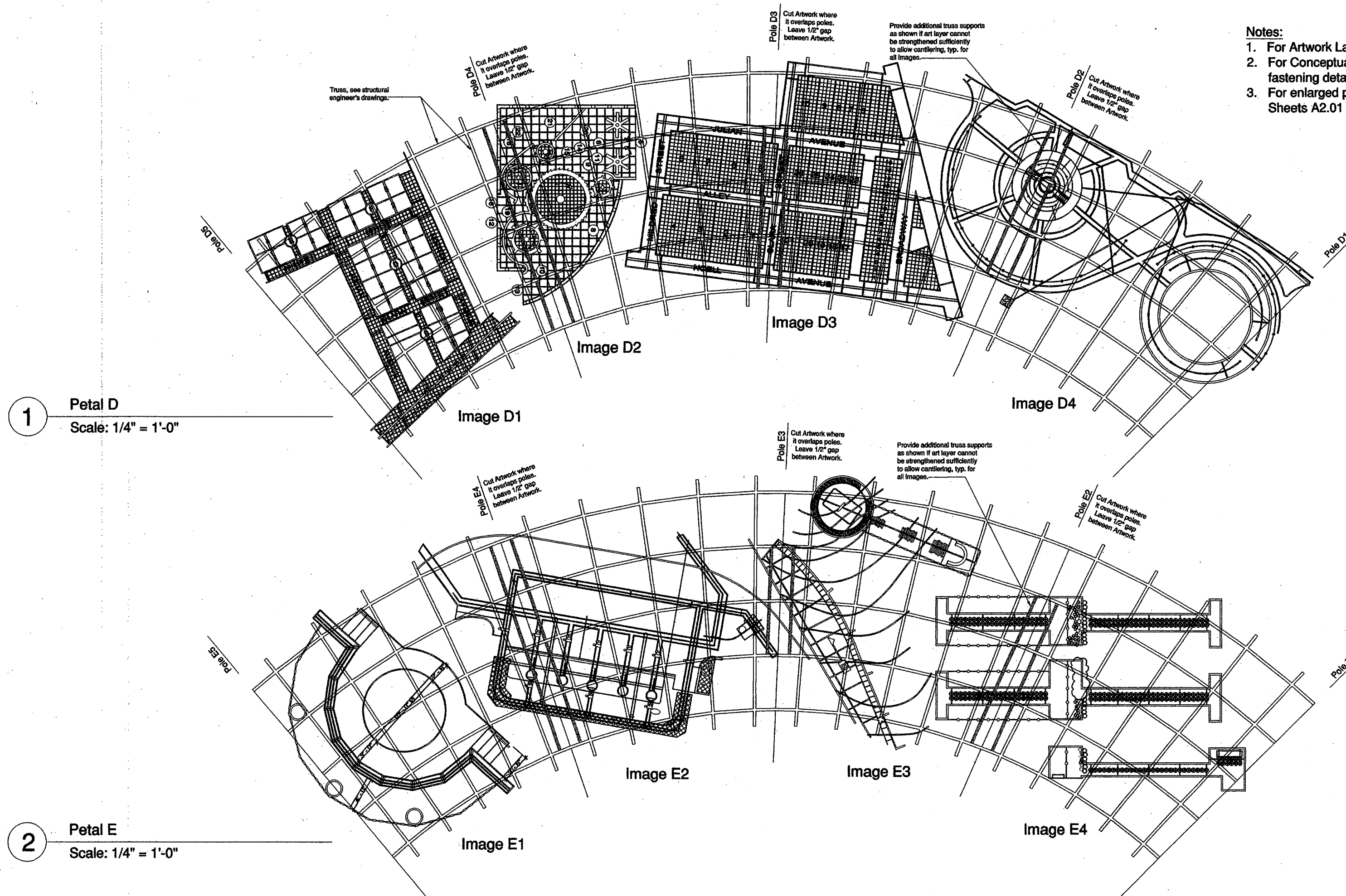
Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

Notes:

1. For Artwork Layer, see Sheet A1.02.
2. For Conceptual Artwork Layer fastening detail, see Sheet A2.04.
3. For enlarged plans of images, see Sheets A2.01 through A2.06.



1 Petal D
Scale: 1/4" = 1'-0"

2 Petal E
Scale: 1/4" = 1'-0"

ARTWORK LAYER NOTES

1. The design and detailing of the artwork layers are schematic. The Drawings depict the general design intention and alignment of the artwork but they shall not be interpreted as being fully detailed. It is anticipated that the arrangement of the art images on the truss system may have to change in order to accommodate structural or attachment needs. The Contractor shall work with the Artist and the Landscape Architect to determine the final arrangement.

2. The artwork layer shall be attached to the truss system. A conceptual detail for attaching the artwork layer to the truss system is shown on the Drawings for the convenience of the Contractor but the Contractor shall decide for himself the final method of attachment that meets the standards set forth in the Construction Documents.

The Contractor shall submit Shop Drawings of the attachment system.

The finishing of the attachment system shall match the finishing of the metal sculpture including cleaning, priming, and finish coats.

The Contractor shall determine for himself the quantity of attachments necessary to attach the artwork layer to the truss system and poles.

3. The maximum depth of the artwork layer shall be three inches. The Contractor shall verify that this depth is not exceeded and he shall report any discrepancies to the Artist and Landscape Architect. Contractor shall resolve all conflicts to the satisfaction of the Artist and Landscape Architect prior to fabrication.

4. The Contractor shall fully coordinate the fabrication of the artwork layer with the metal sculpture components being fabricated by his subcontractors so as to ensure that the pieces fit together. Coordination shall occur prior to, during, and after fabrication.

5. Drawings of the artwork layer "petals" and "images" are available to the Contractor in electronic format (the drawings were created in AutoCAD, Release 14). This information is offered for the convenience of the Contractor and it does not represent a warranty of the accuracy or usefulness of these Drawings.

6. The structural requirements of the trusses and poles necessitate that the artwork layer be cut where it straddles poles P2, P3, and P4. The artwork layer shall not be attached to poles P2, P3, and P4. The artwork layer may be attached to poles P1 and P5. Refer to Structural Drawings and Petal Plan Drawings for additional information.

7. Petal Plans on Sheets A1.01 and A1.02 are shown as reflected ceiling plans.

8. When erected, the Petal Panels will overlap and thus the Petal Images will overlap.

9. All welds for the Art Panels shall be sealed welded. The Contractor may, at his/her option, elect to make the WWM grid components only of stainless steel to minimize the sealed welds.

10. Flame cut pieces shall be cut and cleaned, and grind rough edges. Edges do not have to be ground and squared. Blow outs do not have to be filled and ground.

11. The components which make up the Art Images are layered. For example, the 1" x 3/4" tube on Image A1 shall be stacked to form a 3" deep profile.

100% Construction Documents

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

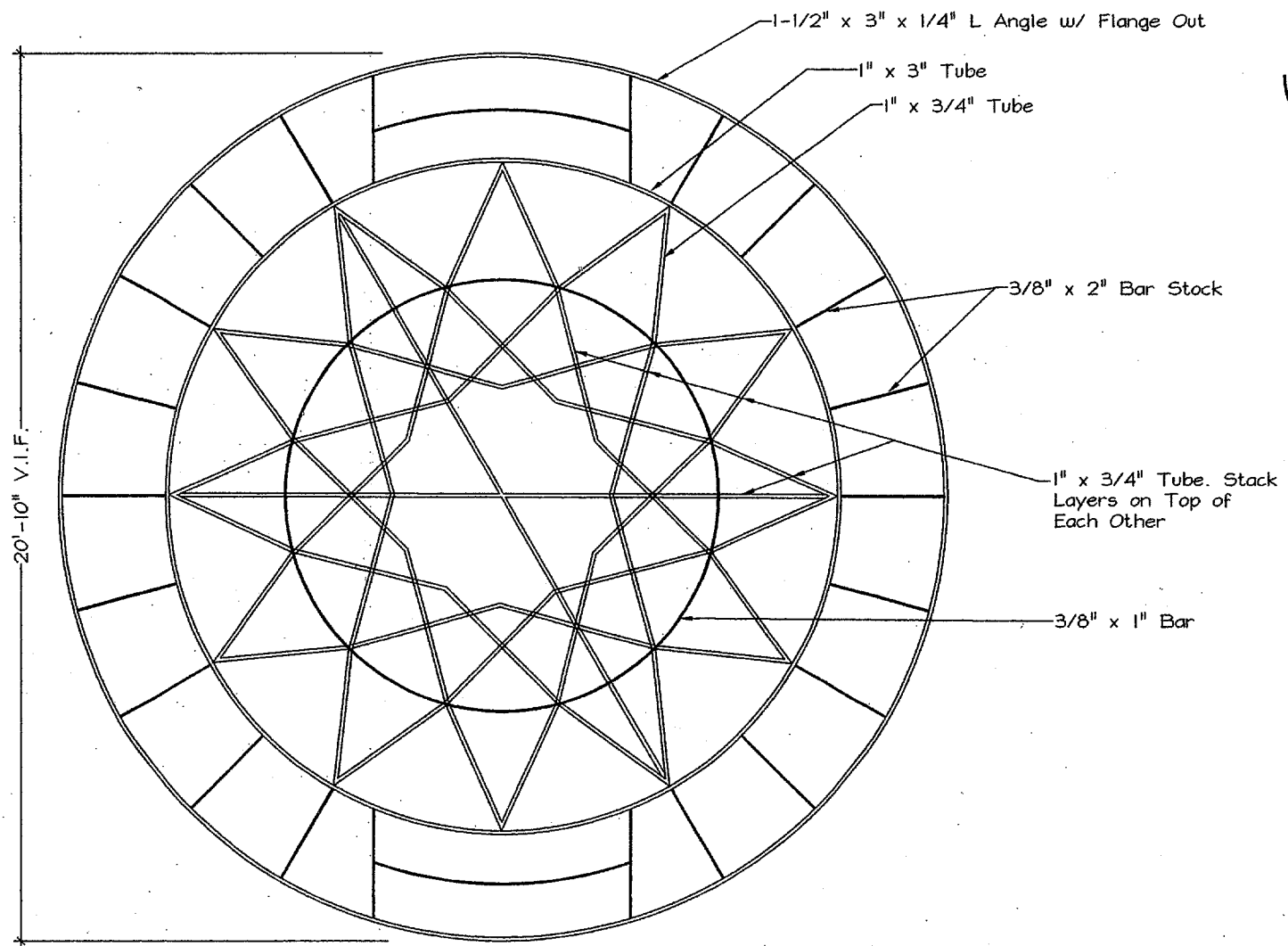
231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-2076 FAX: (617) 492-3128

DRAWING TITLE

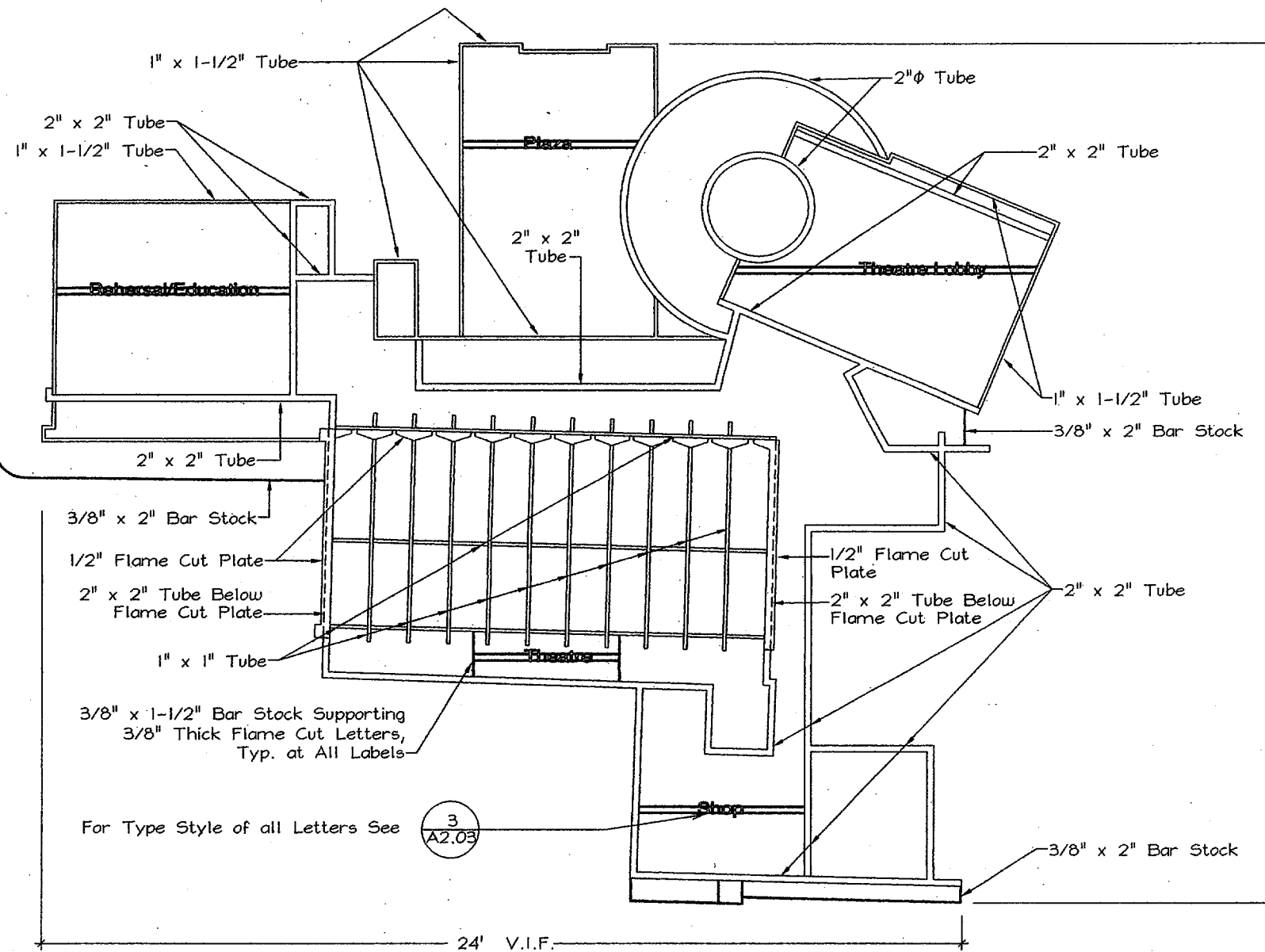
**Artwork Layer-
Petals D and E**

JOB NUMBER 9630 DRAWING NUMBER
DATE 12 August 1998
SCALE 1/4" = 1'-0"
DRAWN BY EP, MR, SRC
CHECKED BY LS, MVV

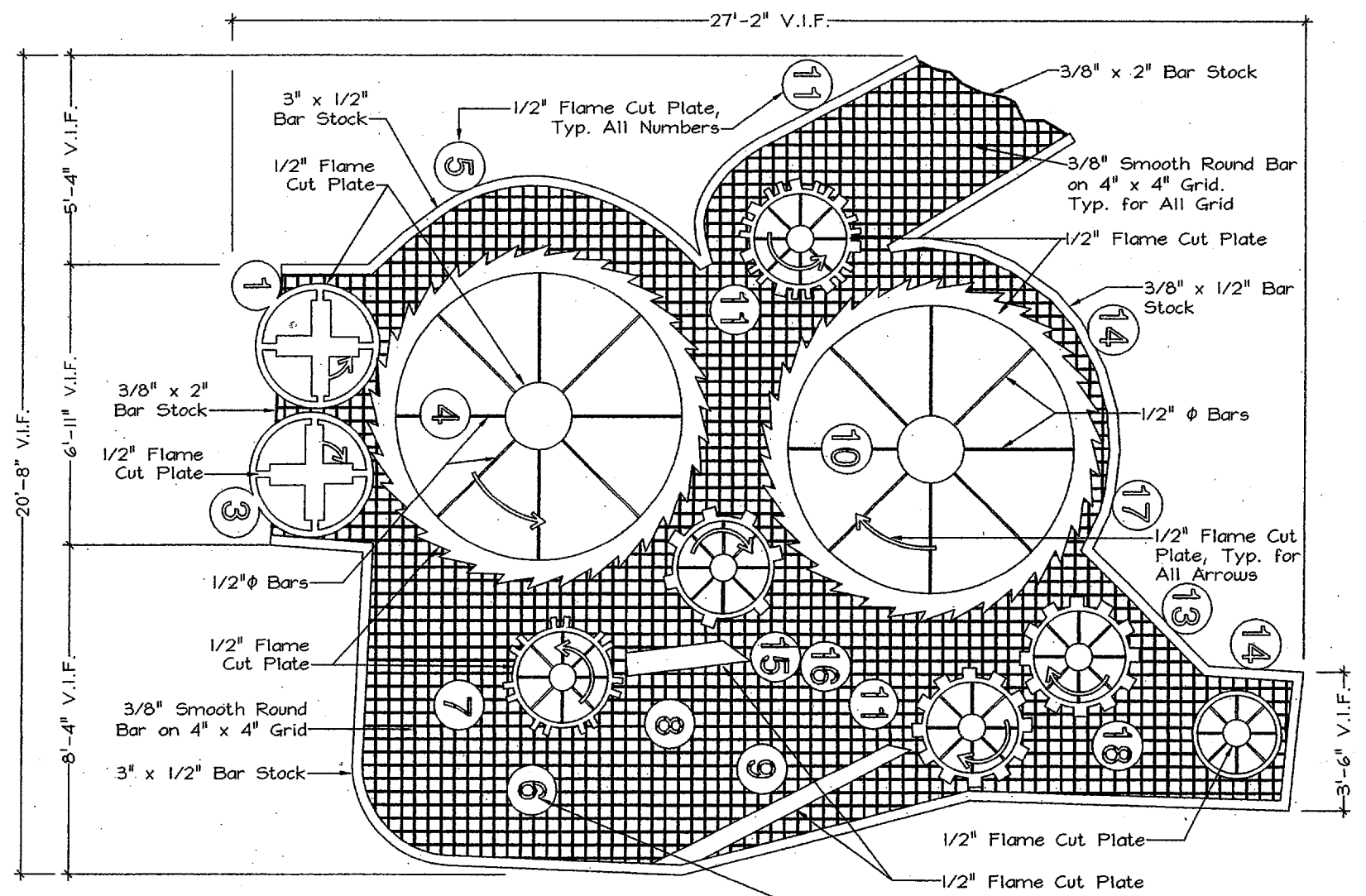
A1.02



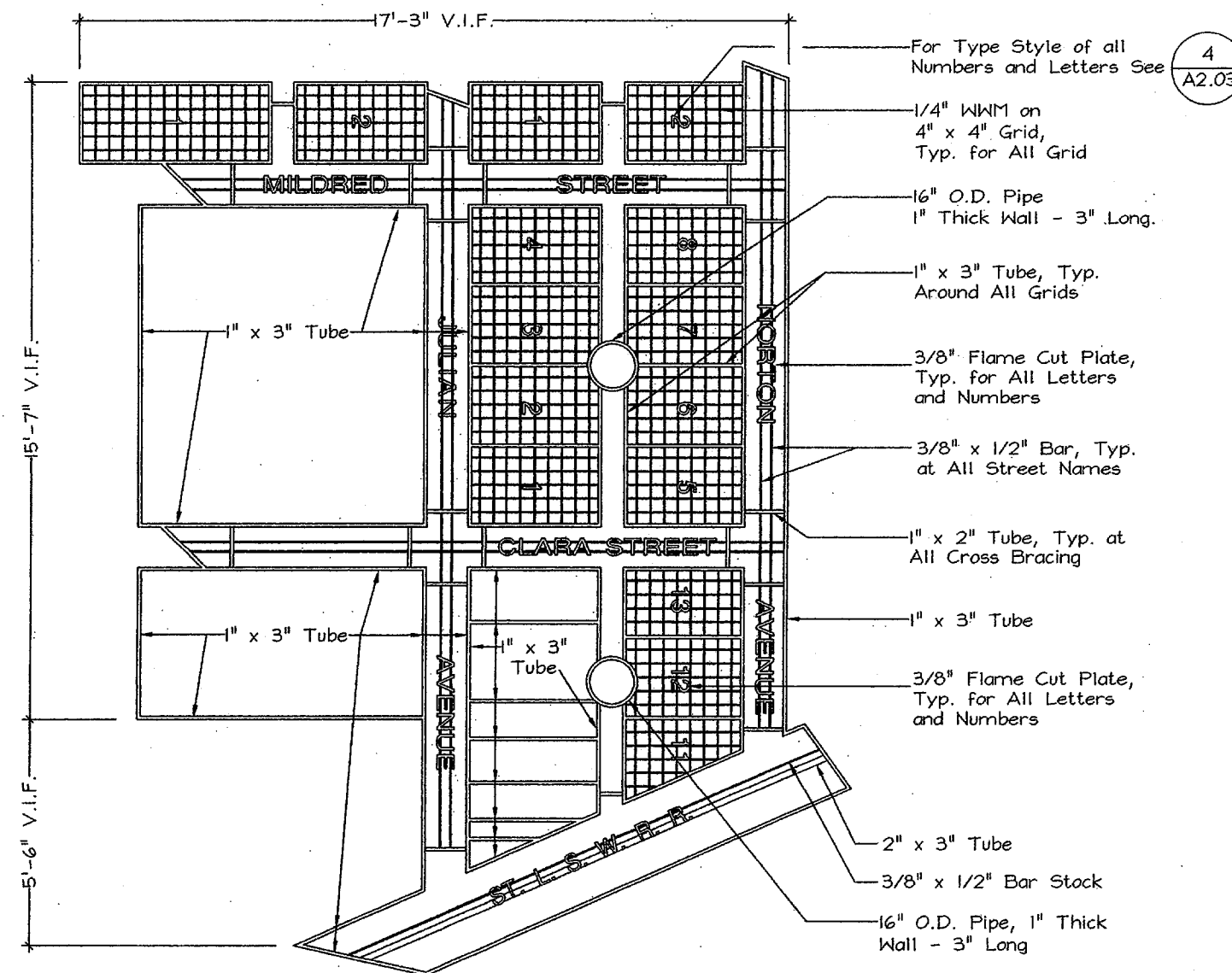
1 Image A1
Scale: 1/2" = 1'-0"



2 Image A2
Scale: 1/2" = 1'-0"



3 Image A3
Scale: 1/2" = 1'-0"



4 Image A4
Scale: 1/2" = 1'-0"

For General Artwork
Notes See A1.02

**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metalimorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 205
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

**100% Construction
Documents**

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-2076 FAX: (617) 492-3128

DRAWING TITLE

**Petal A Images
A1 through A4**

JOB NUMBER 9630 DRAWING NUMBER
DATE 12 August 1998
SCALE 1/2" = 1'-0"
DRAWN BY EP, MR, SRC
CHECKED BY LS, MVV

A2.01

**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LoMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

100% Construction Documents

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

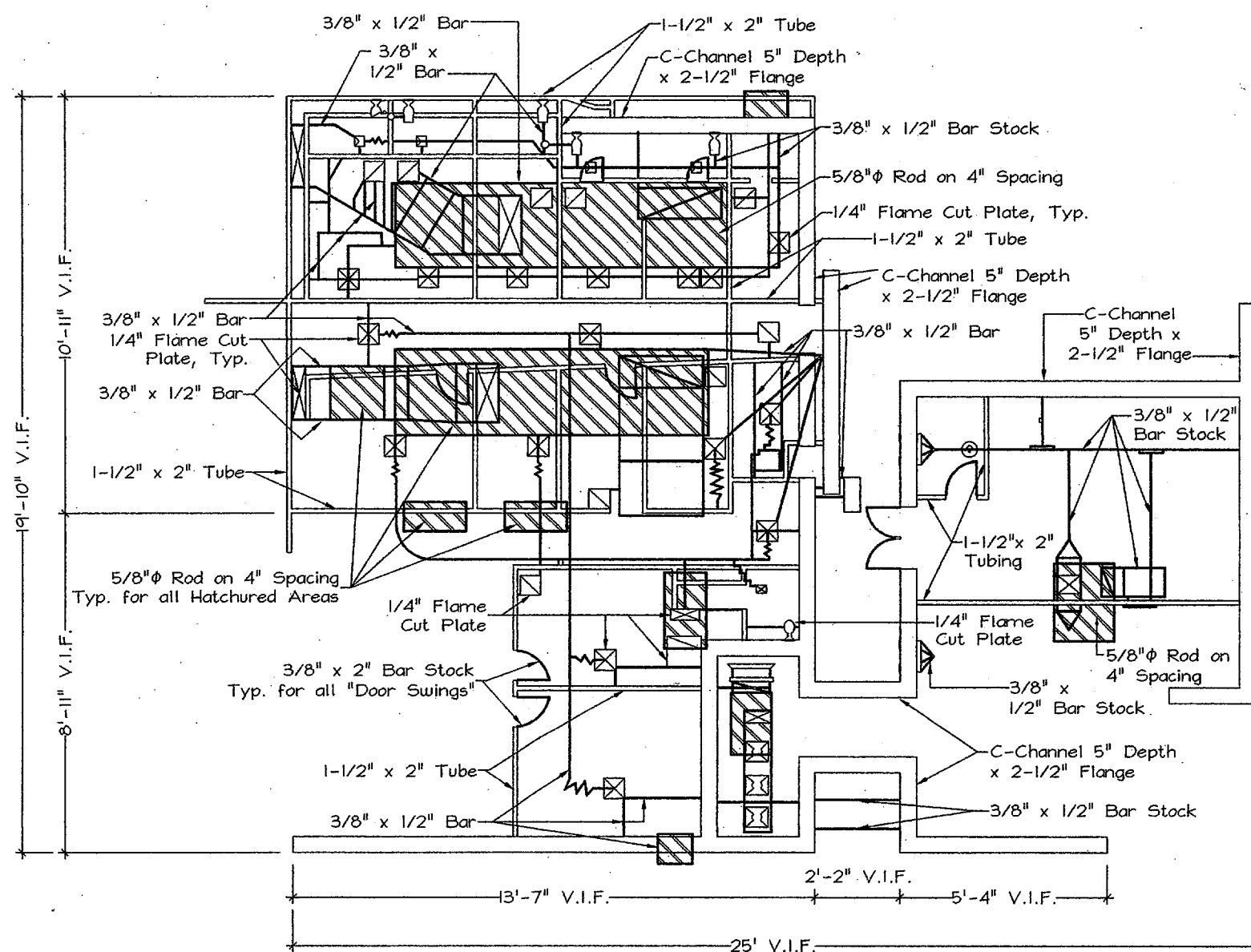
231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-2076 FAX: (617) 492-3128

DRAWING TITLE

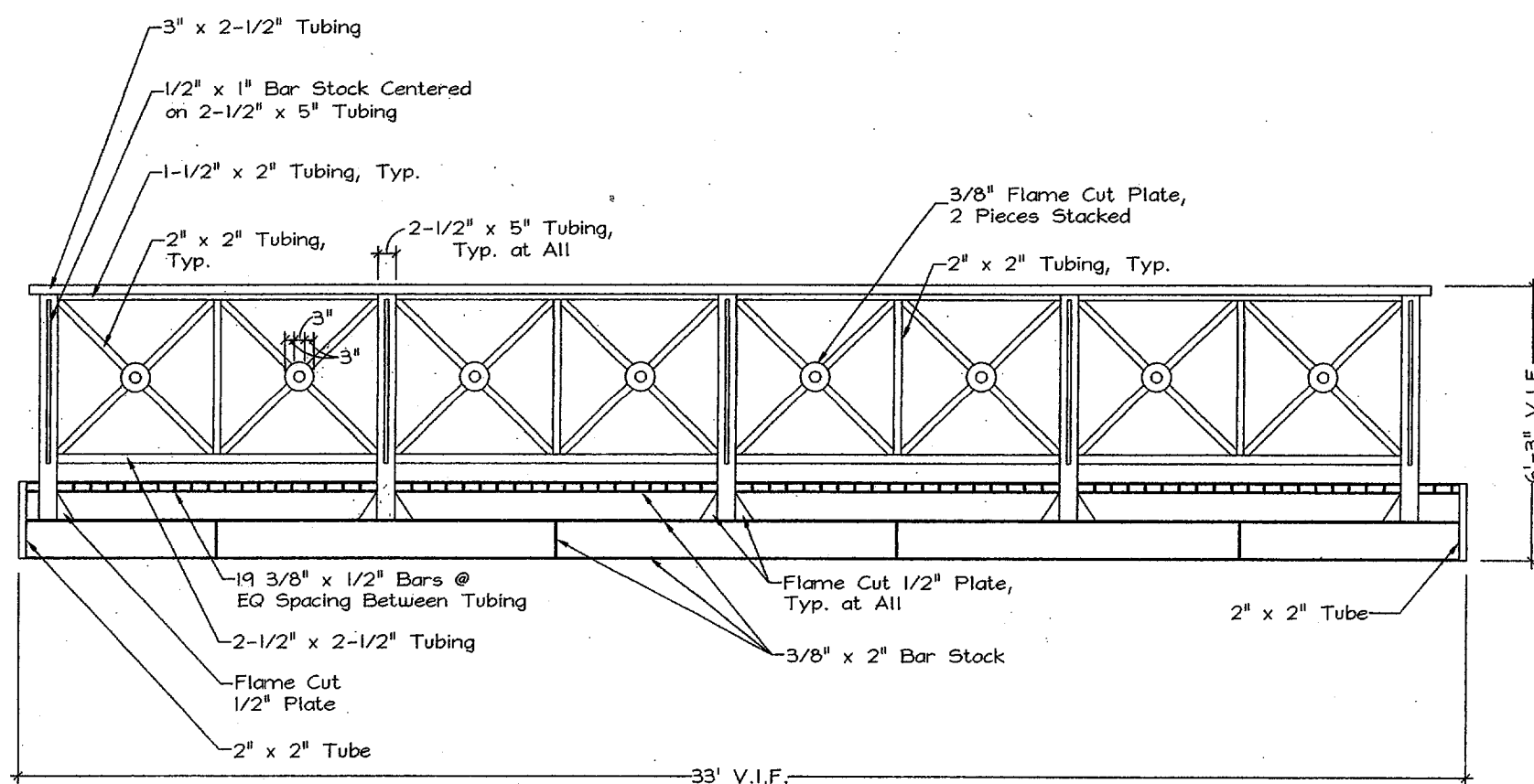
**Petal B Images
B1 through B4**

JOB NUMBER 9630 DRAWING NUMBER
DATE 12 August 1998
SCALE 1/2" = 1'-0"
DRAWN BY EP, MR, SRC
CHECKED BY LS, MVV

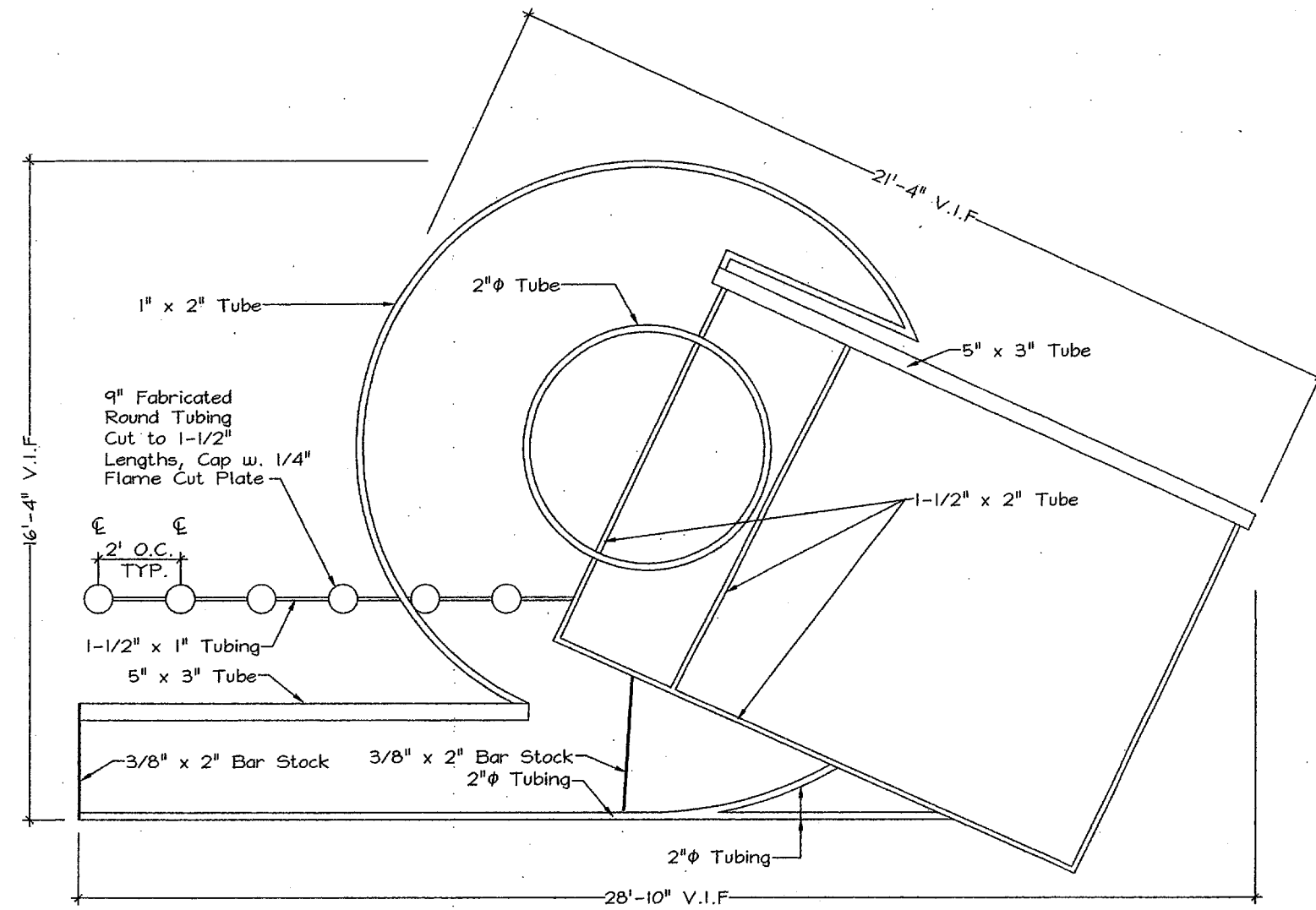
A2.02



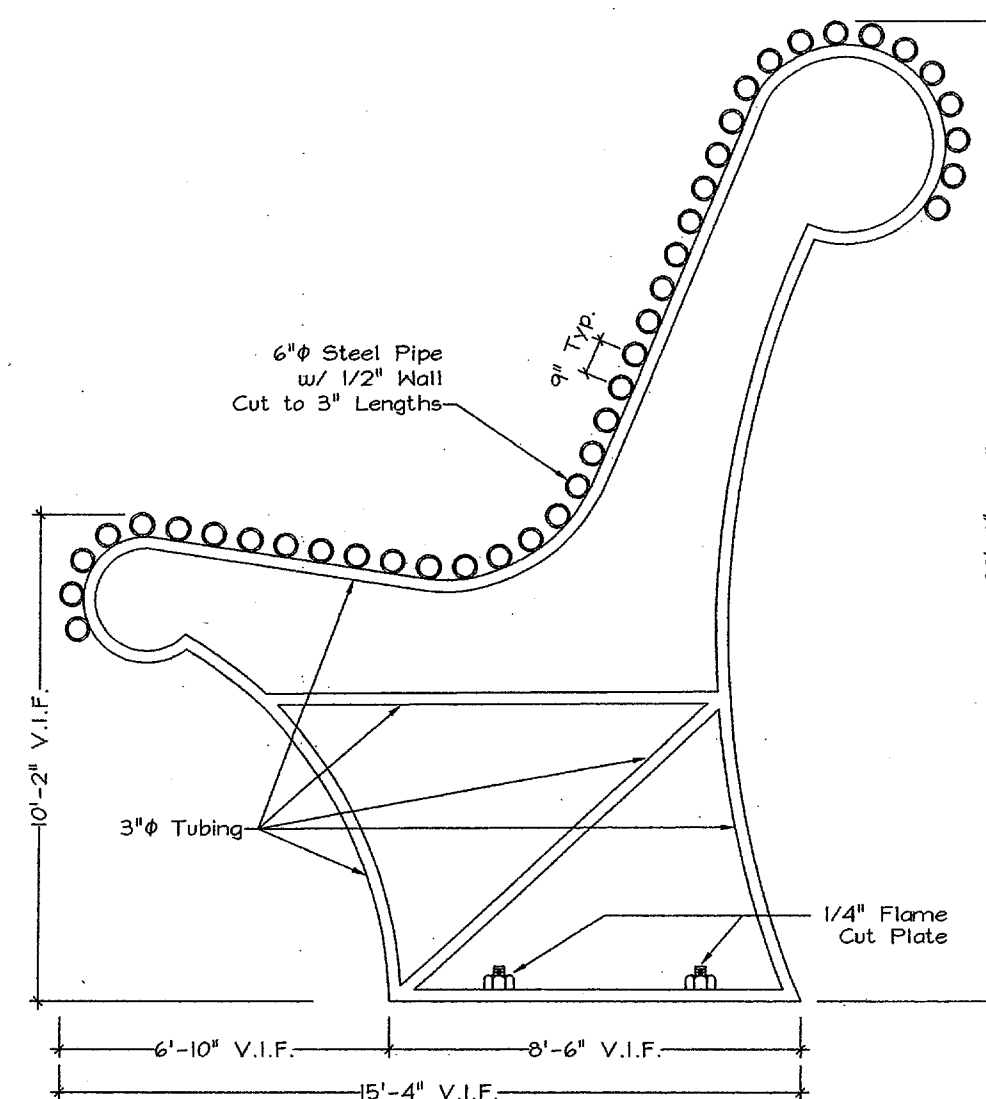
1 Image B1
Scale: 1/2" = 1'-0"



3 Image B3
Scale: 1/2" = 1'-0"



2 Image B2
Scale: 1/2" = 1'-0"



4 Image B4
Scale: 1/2" = 1'-0"

For General Artwork
Notes See A1.02

**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderveil Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

100% Construction Documents

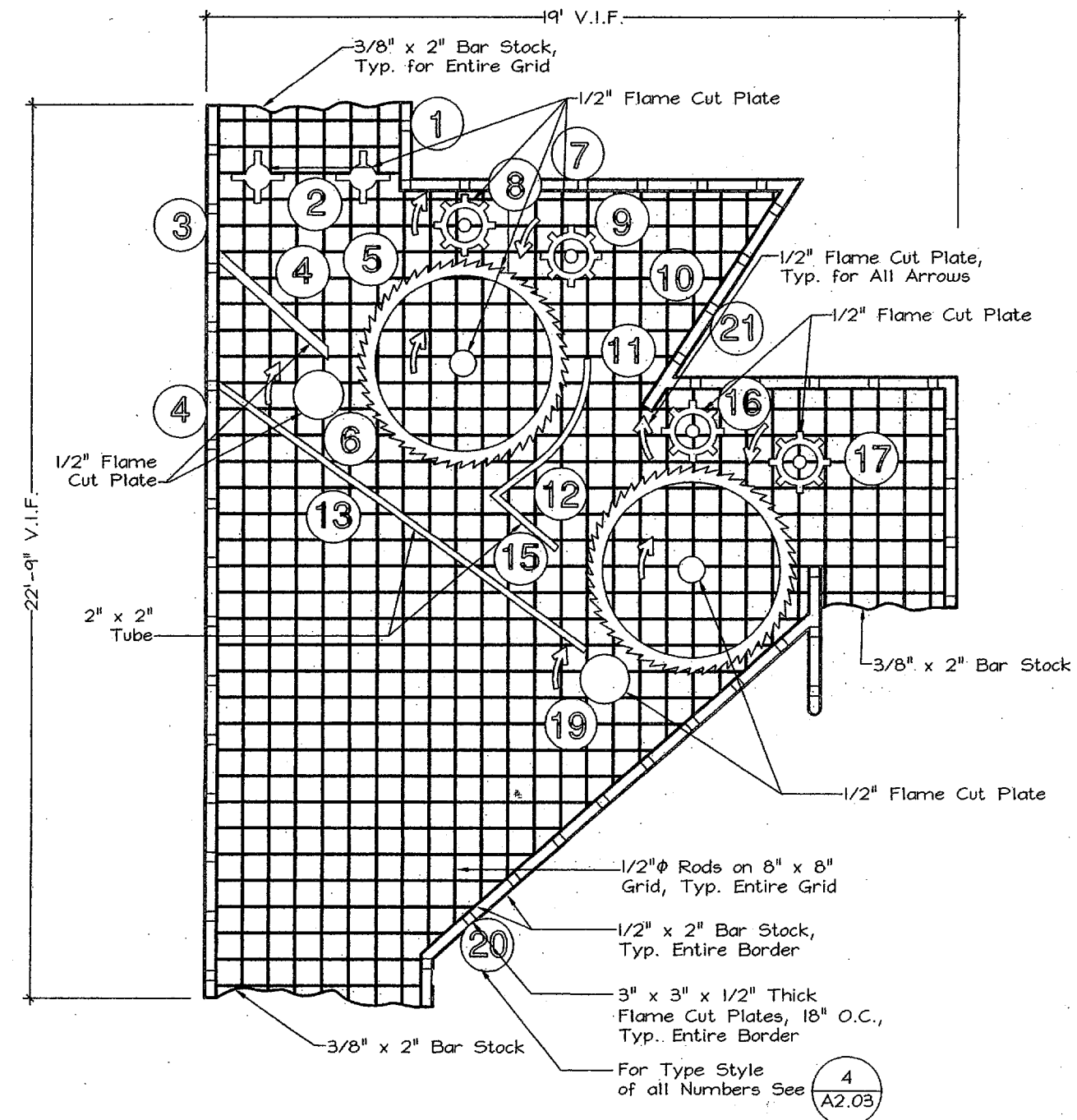
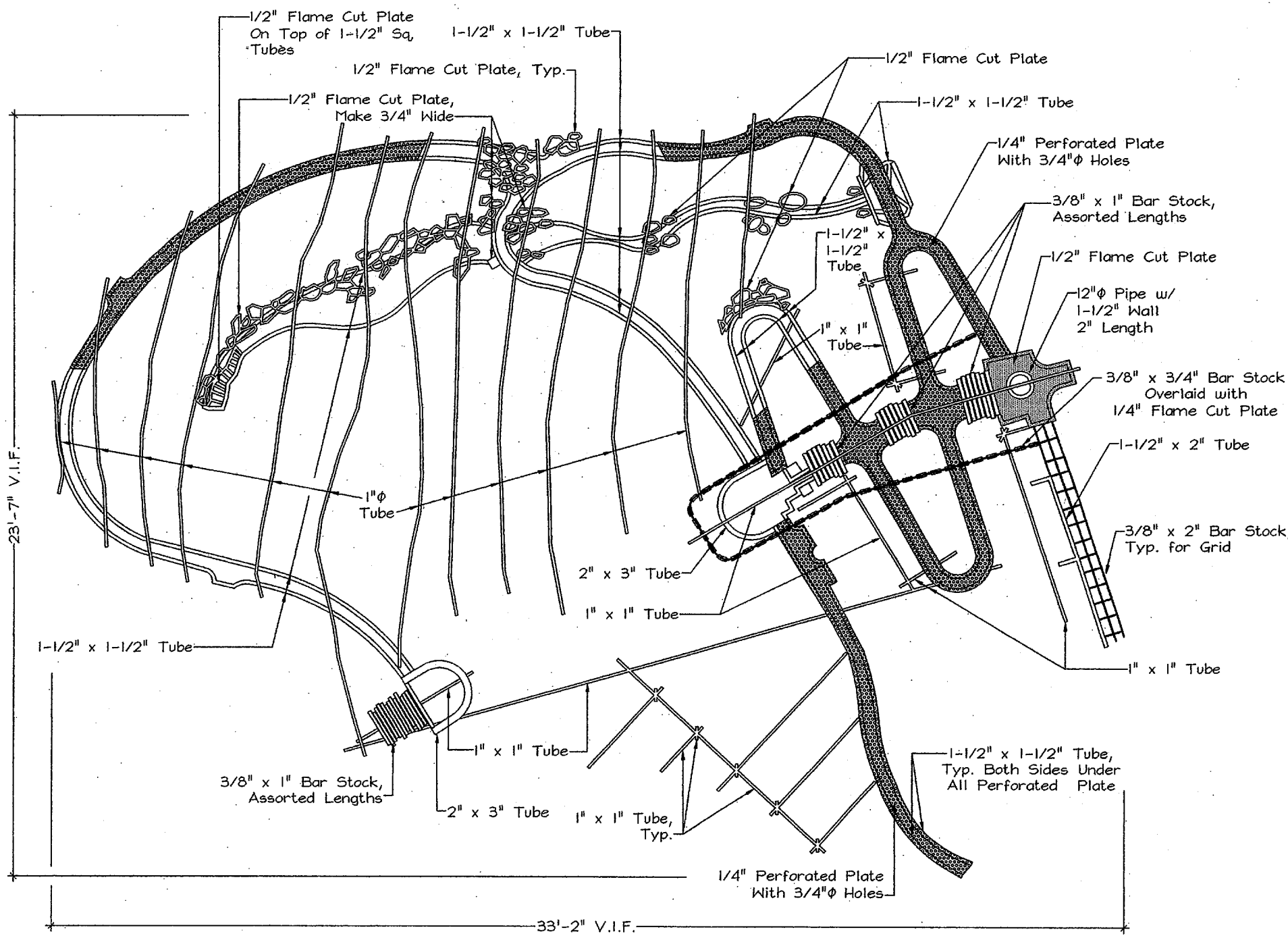
MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-2076 FAX: (617) 492-3128

DRAWING TITLE

**Petal C Images
C1 through C2**

JOB NUMBER 9630 DRAWING NUMBER
DATE 12 August 1998
SCALE 1/2" = 1'-0"
DRAWN BY EP, MR, SRC
CHECKED BY LS, MVV **A2.03**



1

Image C1
Scale: 1/2" = 1'-0"

2

Image C2
Scale: 1/2" = 1'-0"

Shop
Theater
Plaza
Theater Lobby
Rehearsal / Education
1 2 3 4 5 6 7 8 9 0

3

Letters / Numbers Type Style A
Scale: NTS

1 2 3 4 5 **NORTON AVENUE**
6 7 8 9 10 **JULIAN AVENUE**
11 12 13 14 **CLARA STREET**
15 16 17 18 **MILDRED STREET**
19 20 21 22

4

Letters / Numbers Type Style B
Scale: NTS

**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0393
Fax: 310.287.0396

Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

100% Construction Documents

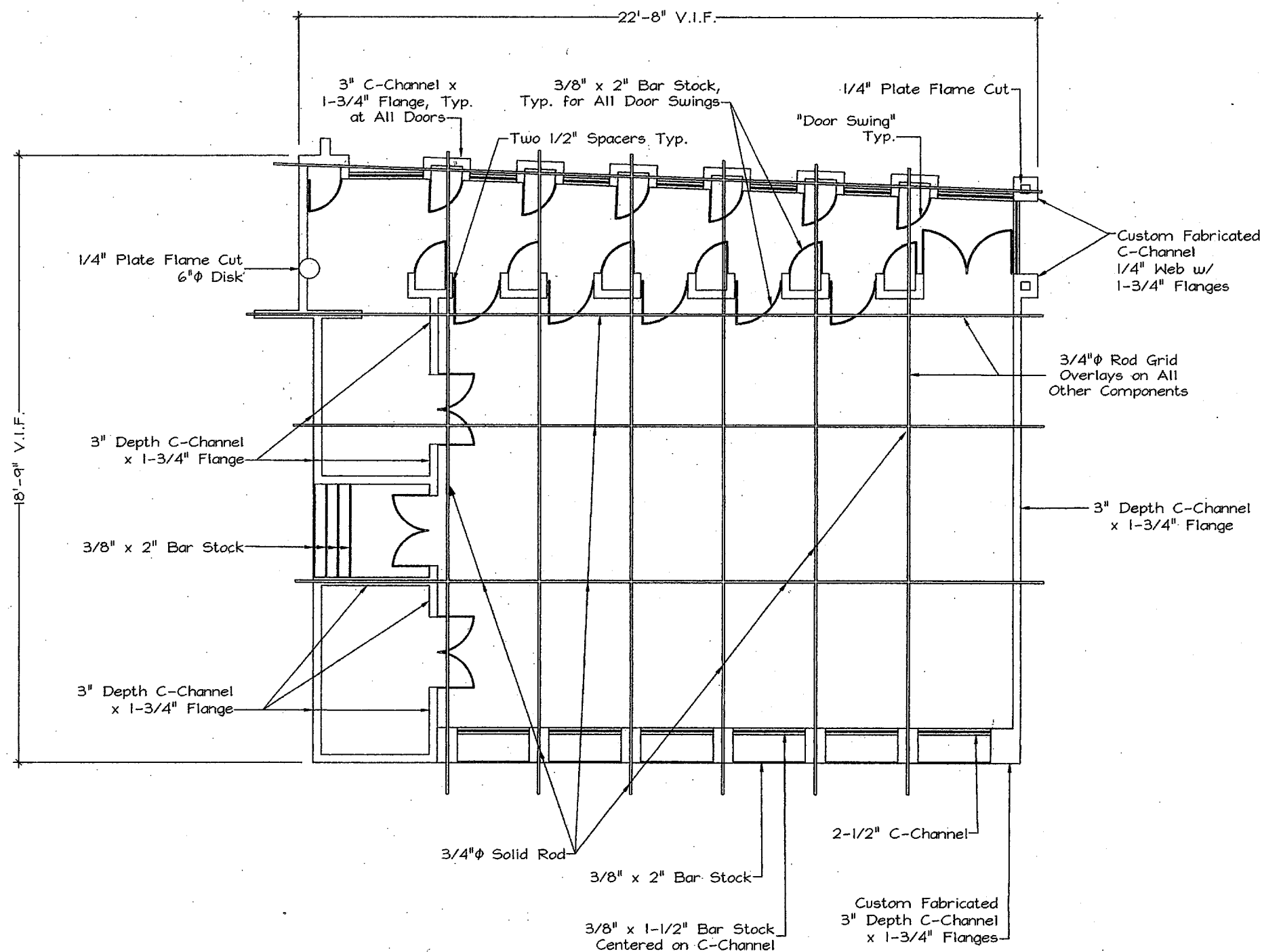
MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-2076 FAX: (617) 492-3128

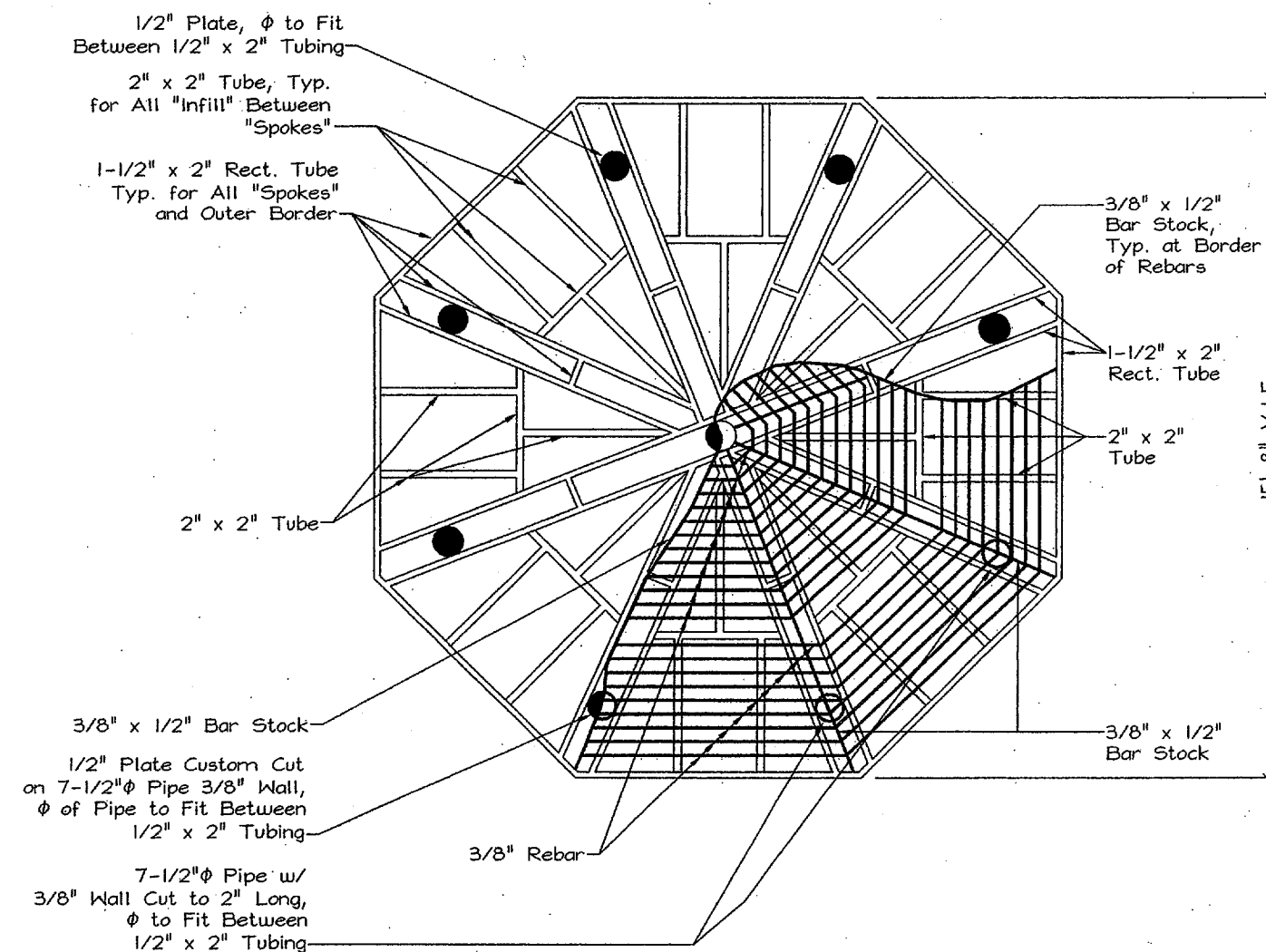
DRAWING TITLE

**Petal C Images
C3 through C4**

JOB NUMBER 9830 DRAWING NUMBER
DATE 12 August 1998
SCALE 1/2" = 1'-0"
DRAWN BY EP, MR, SRC
CHECKED BY LS, MVV **A2.04**

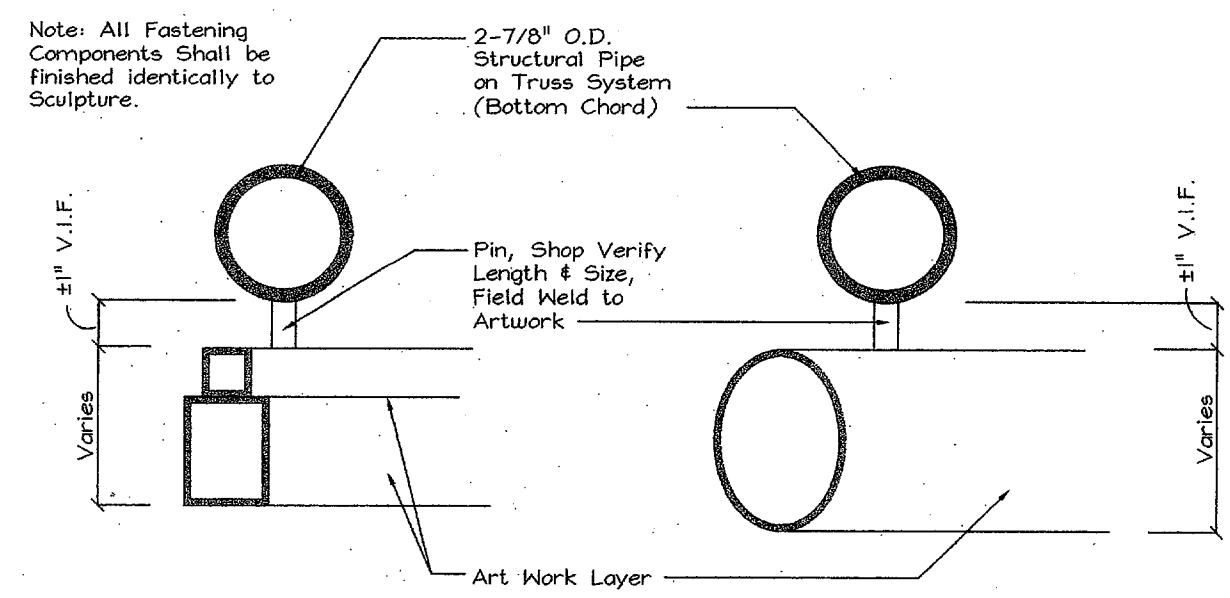


1 Image C3
Scale: 1/2" = 1'-0"

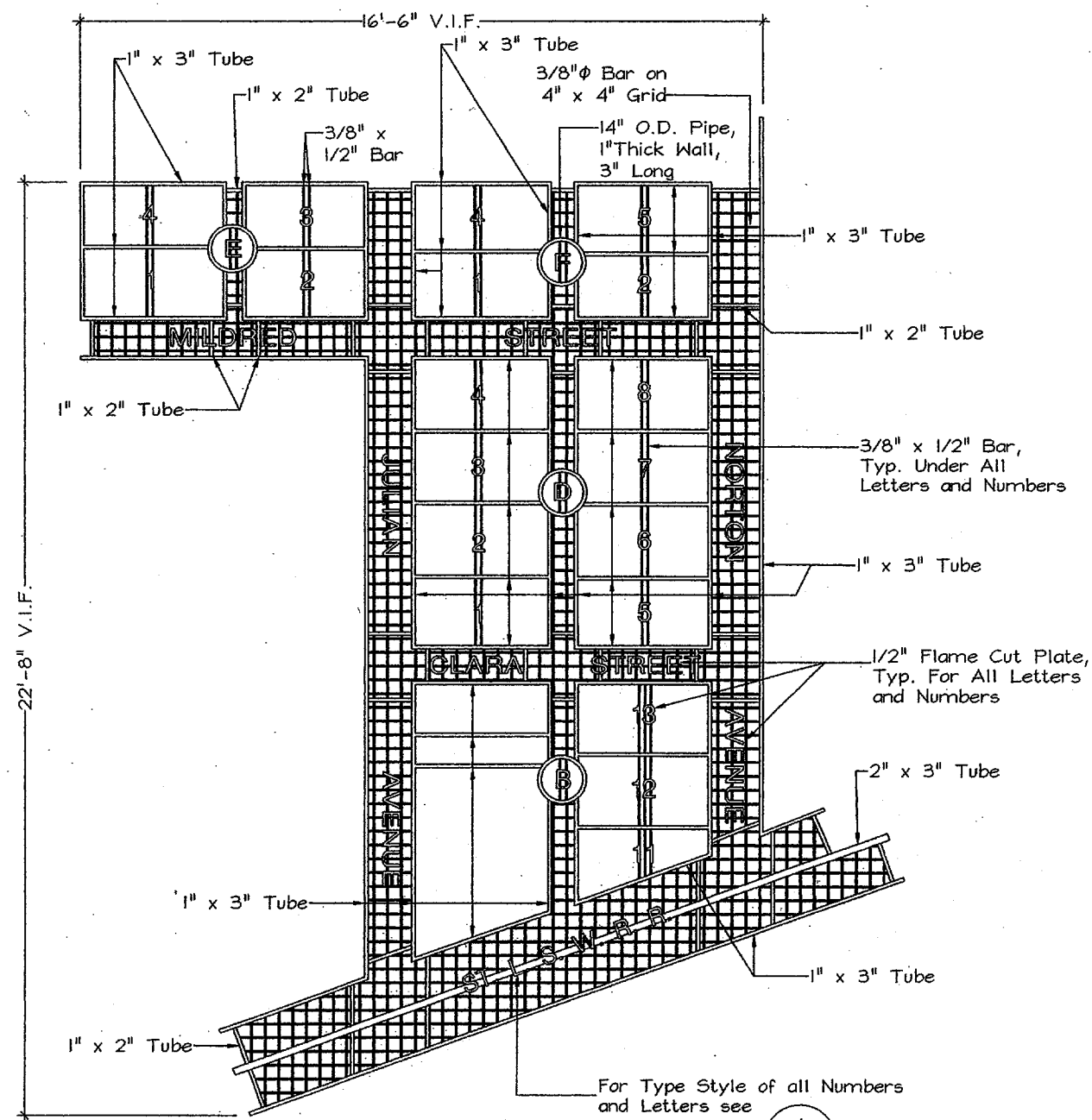


2 Image C4
Scale: 1/2" = 1'-0"

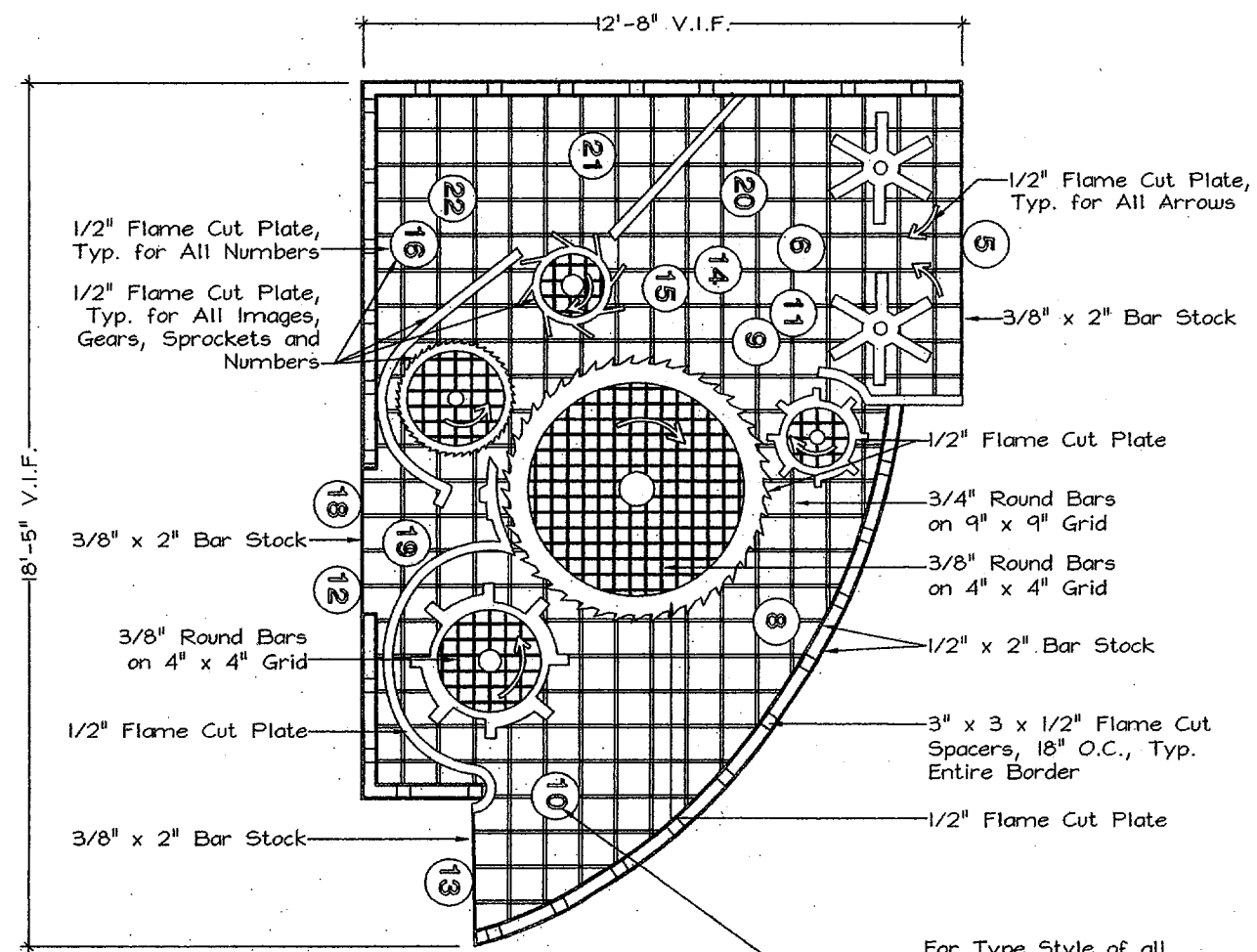
For General Artwork
Notes See A1.02



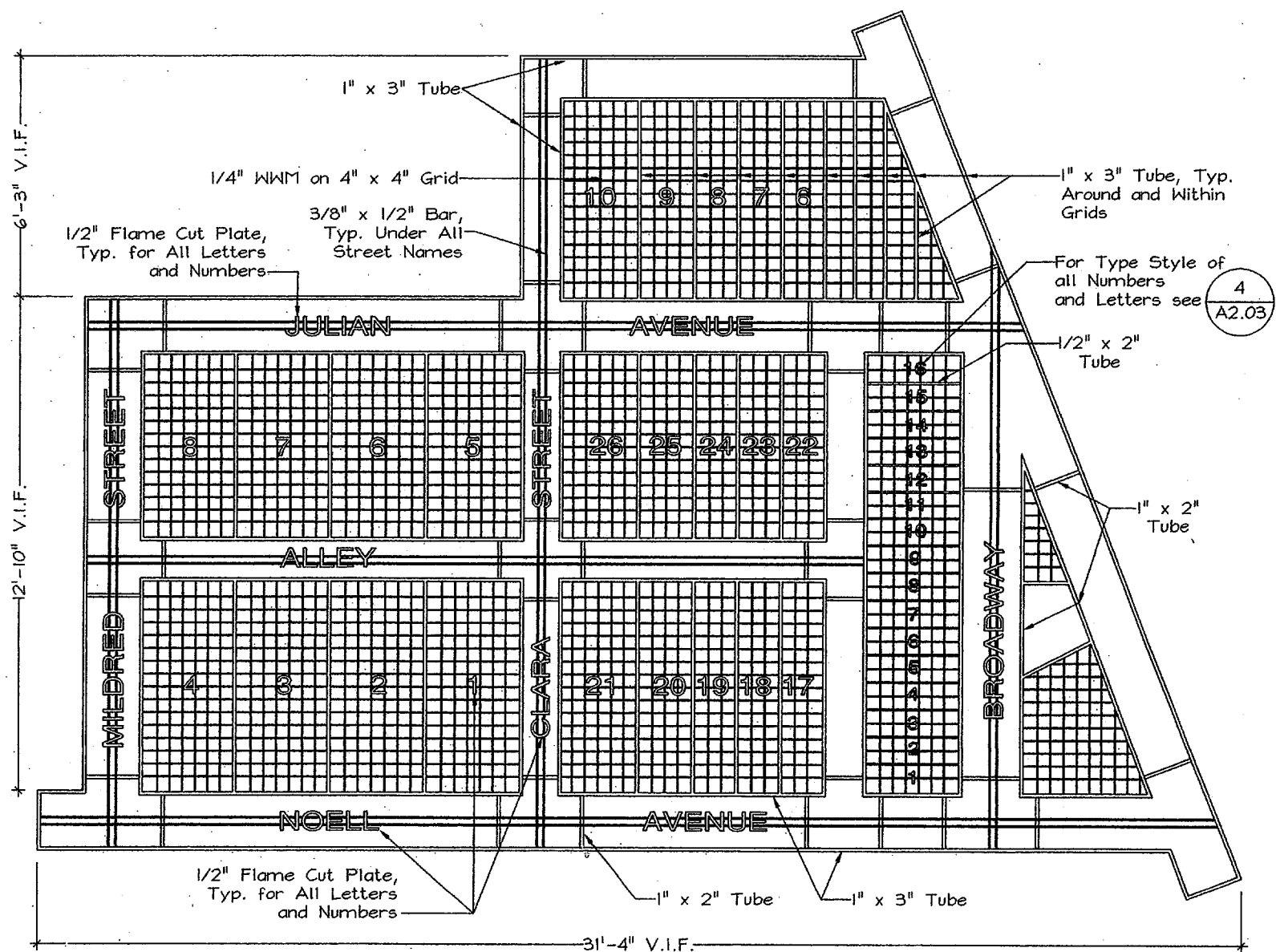
3 Conceptual Fastening Detail for Artwork Layer
Scale: 1/2" = 1"



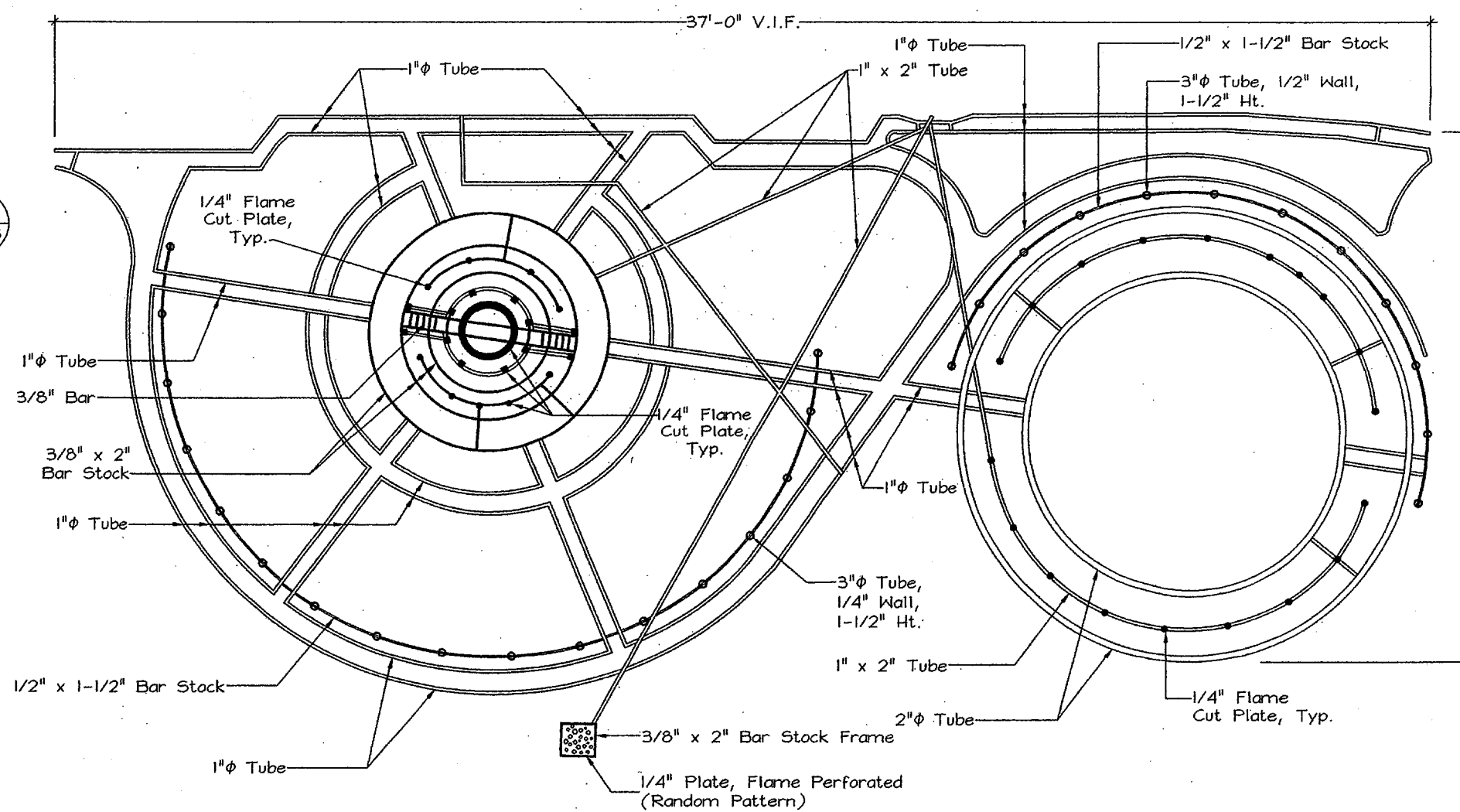
1 Image D1
Scale: 1/2" = 1'-0"



2 Image D2
Scale: 1/2" = 1'-0"



3 Image D3
Scale: 1/2" = 1'-0"



4 Image D4
Scale: 1/2" = 1'-0"

For General Artwork
Notes See A1.02

**ADDISON CIRCLE
ROND POINT**

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Bunsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
266 Sumner St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

**100% Construction
Documents**

NICHOLAS VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

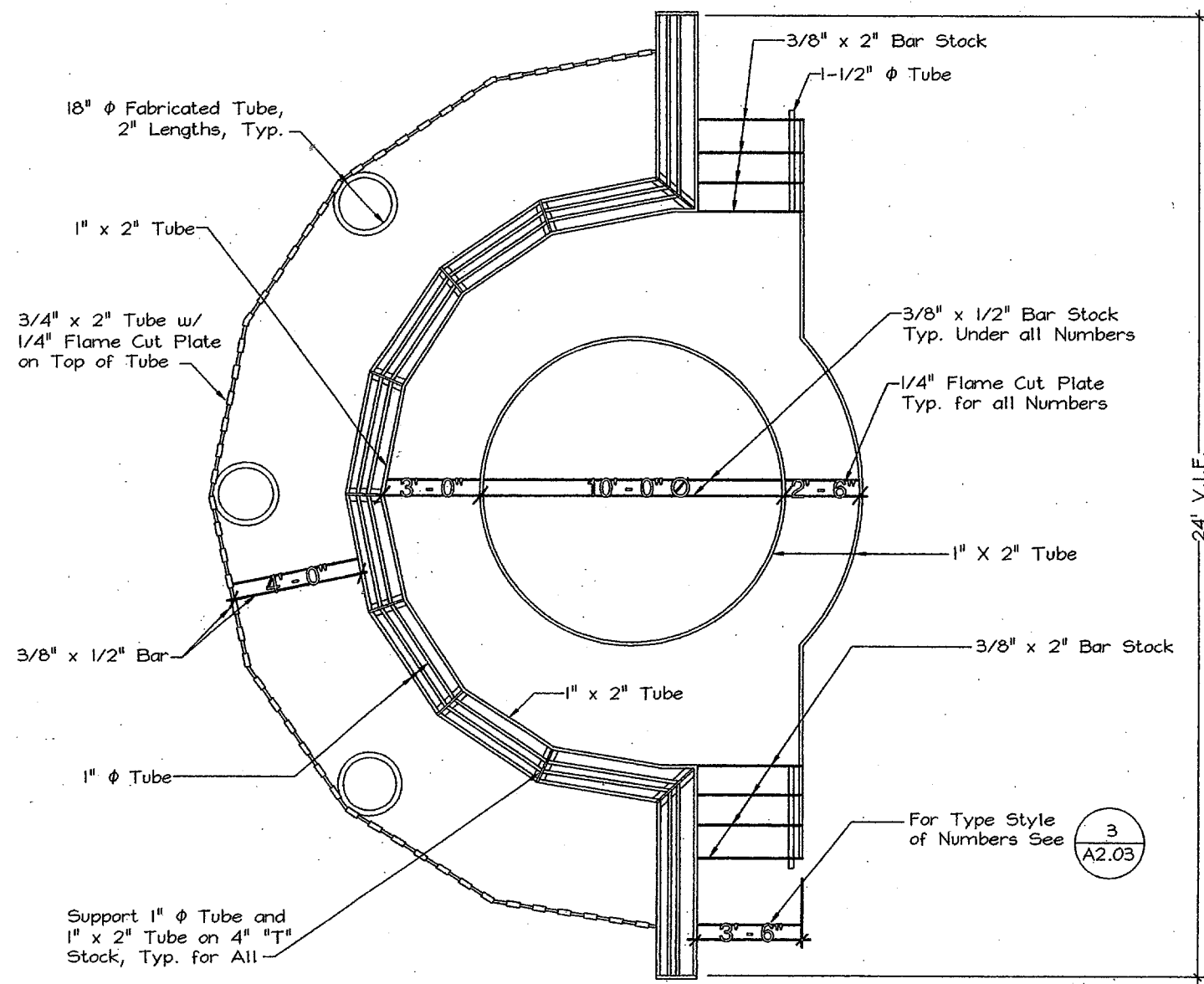
231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL (617) 864-2076 FAX (617) 492-3128

DRAWING TITLE

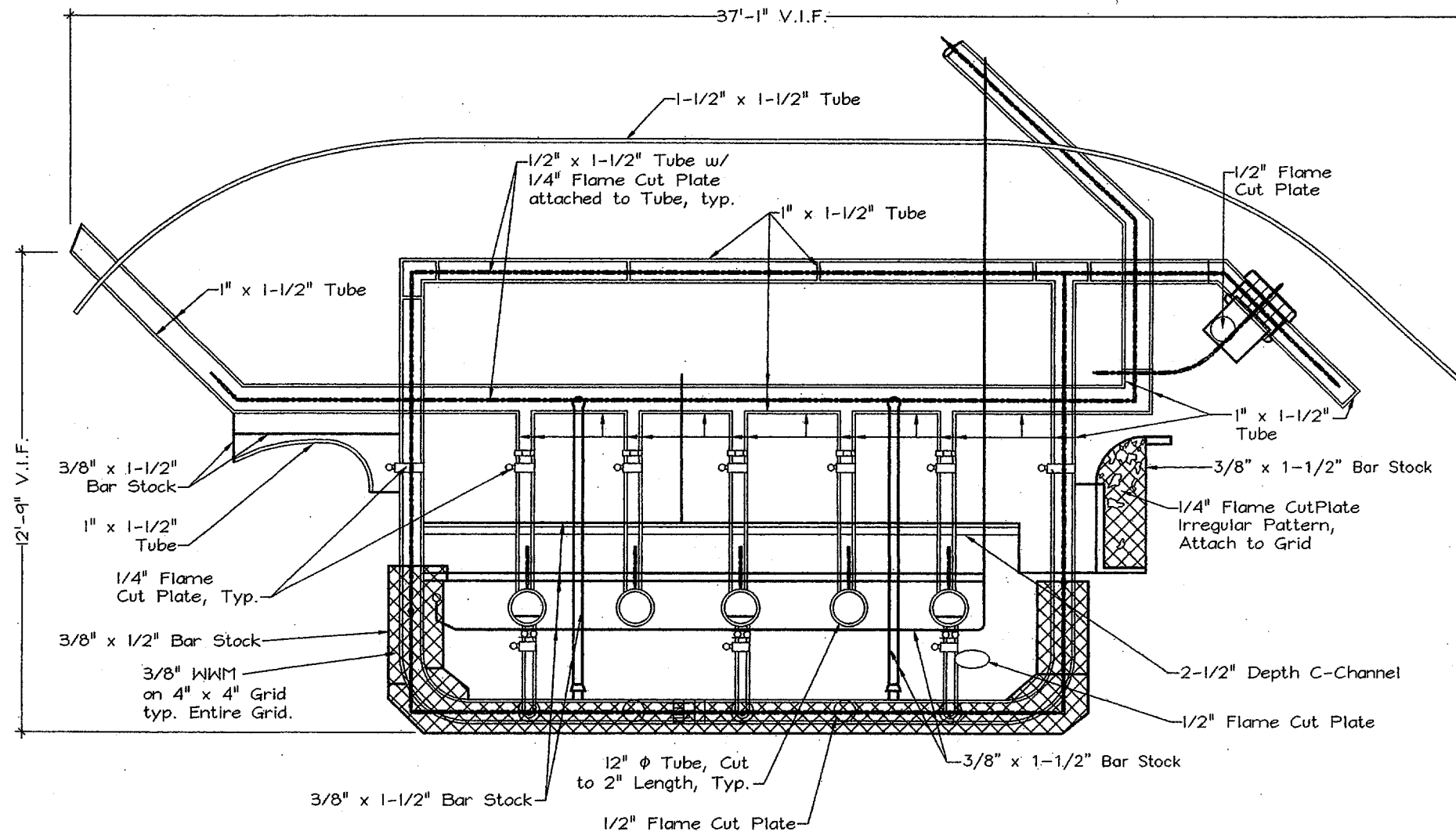
**Petal D Images
D1 through D4**

JOB NUMBER 9830 DRAWING NUMBER
DATE 12 August 1998
SCALE 1/2" = 1'-0"
DRAWN BY EP, MR, SRC
CHECKED BY LS, MVV

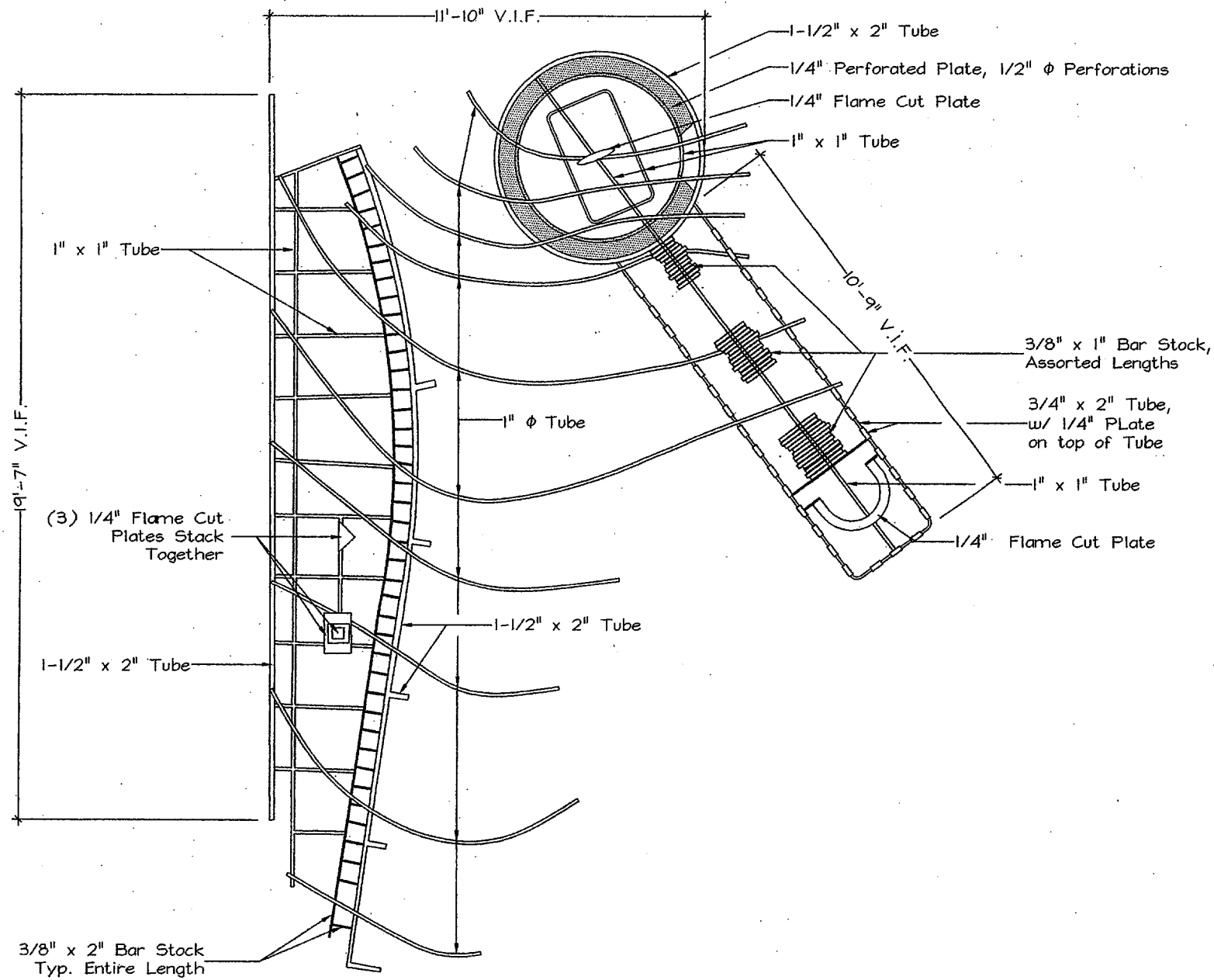
A2.05



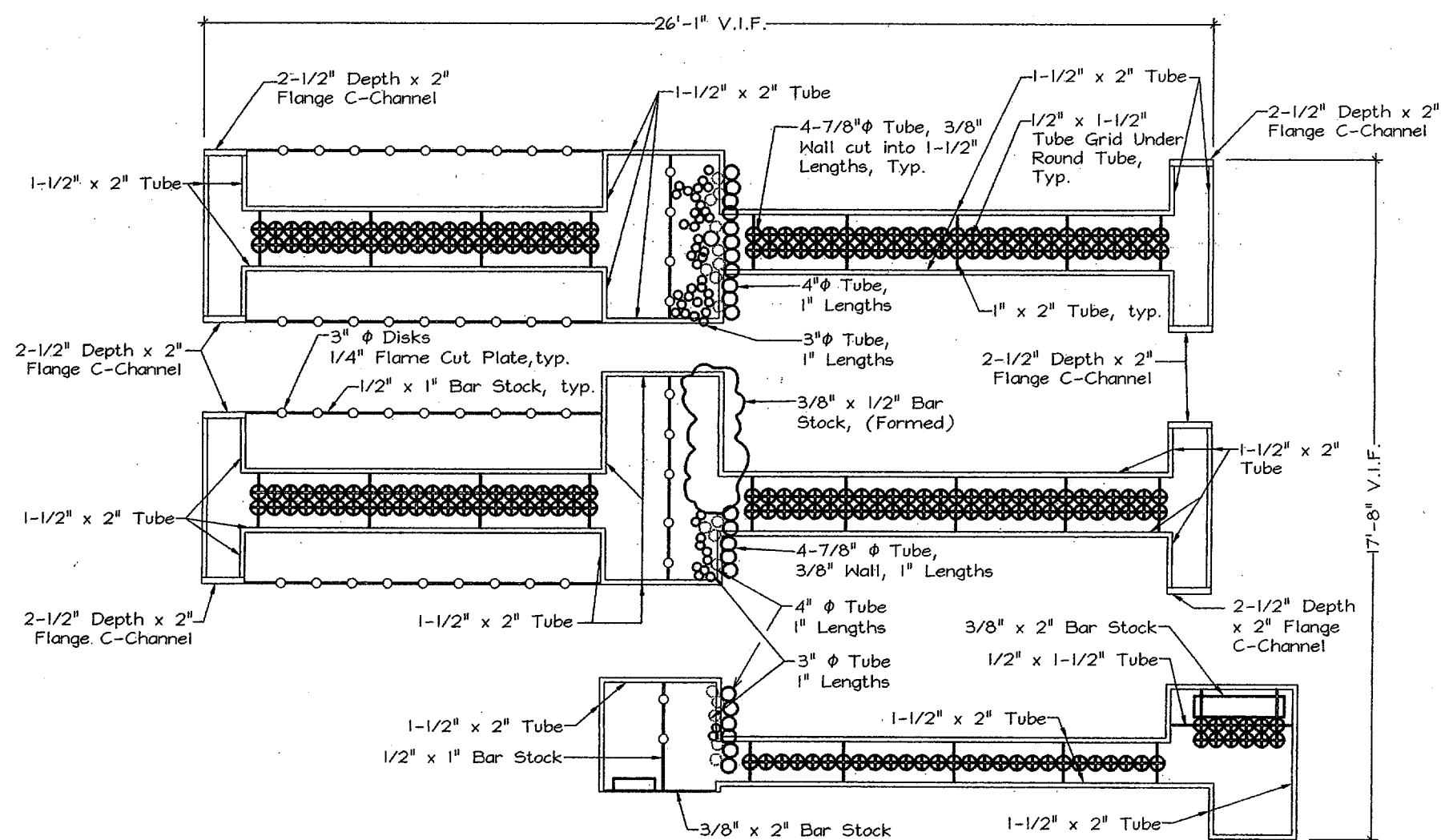
1 Image E1
Scale: 1/2" = 1'-0"



2 Image E2
Scale: 1/2" = 1'-0"



3 Image E3
Scale: 1/2" = 1'-0"



4 Image E4
Scale: 1/2" = 1'-0"

For General Artwork
Notes See A1.02

ADDISON CIRCLE ROND POINT

Addison, Texas

Bid No. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas 75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts 02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

Architect / Design Consultant:
Thompson and Rose Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost Consultant:
Metalmorphosis
3101 S. La Cienega Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard, Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderweil Engineers, Inc.
256 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little, Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

100% Construction Documents

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL (617) 864-2076 FAX (617) 492-3128

DRAWING TITLE

Petal E Images E1 through E4

JOB NUMBER 9630 DRAWING NUMBER
DATE 12 August 1998
SCALE 1/2" = 1'-0"
DRAWN BY EP, MR, SRC
CHECKED BY LS, MVV

A2.06

**ADDISON CIRCLE
ROUND POINT**

Addison, Texas

BID NO. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas
75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh
Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts
02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North
Carolina 28714
Tel: 704.682.7199
Fax: 212.388.9330

**Architect / Design
Consultant:**
Thompson and Rose
Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.876.9966
Fax: 617.876.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein
Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

**Metal Fabricator Cost
Consultant:**
Metamorphosis
3101 S. La Cienega
Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard,
Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.G. Vanderweil
Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little,
Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

100% CONSTRUCTION DOCUMENTS

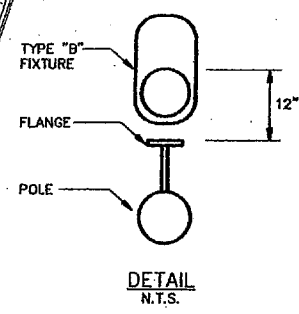
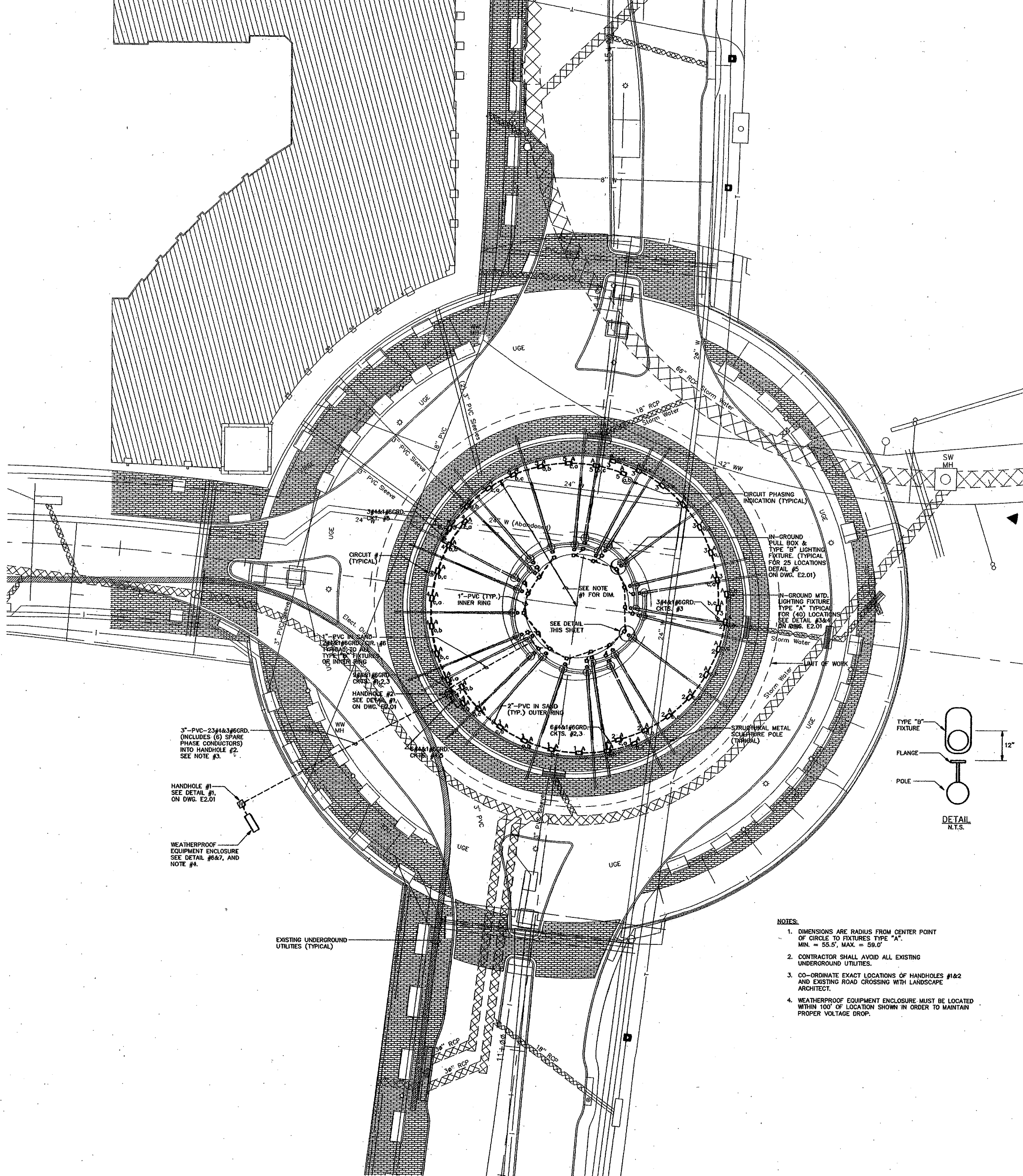
MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS



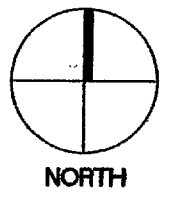
281 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL (617) 864-2076 FAX (617) 492-3128

DRAWING TITLE
**ELECTRICAL
SITE LIGHTING
PLAN**

JOB NUMBER 8858.00 DRAWING NUMBER
DATE 12 August 98
SCALE 1" = 16'-0"
DRAWN BY P.J.M. E-101
CHECKED BY J.K.

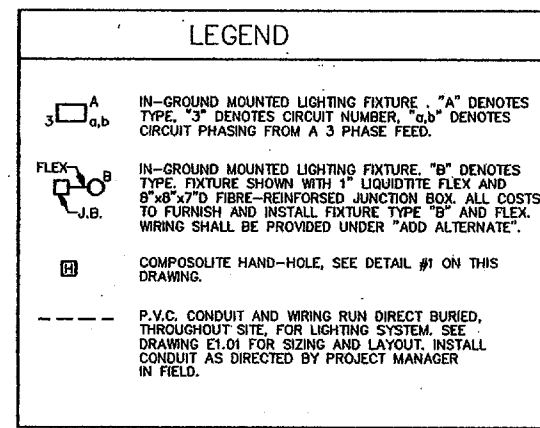


- NOTES:**
1. DIMENSIONS ARE RADIUS FROM CENTER POINT OF CIRCLE TO FIXTURES TYPE "A". MIN. = 55.5', MAX. = 59.0'
 2. CONTRACTOR SHALL AVOID ALL EXISTING UNDERGROUND UTILITIES.
 3. CO-ORDINATE EXACT LOCATIONS OF HANDHOLES #1&2 AND EXISTING ROAD CROSSING WITH LANDSCAPE ARCHITECT.
 4. WEATHERPROOF EQUIPMENT ENCLOSURE MUST BE LOCATED WITHIN 100' OF LOCATION SHOWN IN ORDER TO MAINTAIN PROPER VOLTAGE DROP.



H:\981858.DWG\981858.ELECTRICAL\981858.LITE.DWG 08/10/98 10:23:42

GENERAL ABBREVIATIONS	
A	AMPERES
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
ATC	AUTOMATIC TEMPERATURE CONTROL
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISH GRADE
BLDG	BUILDING
C	CONDUIT
CAT	CATALOG
CB	CIRCUIT BREAKER
CBM	CERTIFIED BALLASTS MANUFACTURERS
CKT	CIRCUIT
CL	CENTERLINE
CLF	CURRENT LIMITING FUSE
COL	COLUMN
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
EWC	ELECTRIC WATER COOLER
F	FUSE
FA	FIRE ALARM
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FT	FEET
GND,G	GROUND OR GROUNDING
GRMC	GALVANIZED RIGID METALLIC CONDUIT
HOA	HAND, OFF, AUTOMATIC SWITCH
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IMC	INTERMEDIATE METAL CONDUIT
INT	INTERLOCK
KOMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LTG	LIGHTING
LFCM	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
MC	METAL CLAD CABLE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
P	POLE
PB	PUSHBUTTON
PNL	PANEL
POS	PROVIDED UNDER OTHER SECTIONS
PVC	POLYVINYL CHLORIDE
PWR	POWER
QTY	QUANTITY
REQ'D	REQUIRED
RMC	RIGID METAL CONDUIT
RMS	ROOT MEAN SQUARED
RNMC	RIGID NON-METALLIC CONDUIT
RTU	ROOF TOP UNIT
SP	SPARE
SW	SWITCH
SYM	SYMMETRICAL
TEL	TELEPHONE
TMCB	THERMAL MAGNETIC CIRCUIT BREAKER
UG	UNDERGROUND OR UNDERGRADE
UL	UNDERWRITERS LABORATORIES
V	VOLT
VT	VOLTAGE TRANSFORMER
W	WIRE
WH	WATER HEATER
WP	WEATHER PROOF
XFMR	TRANSFORMER
Δ	DELTA
∅	WYE
∅	PHASE

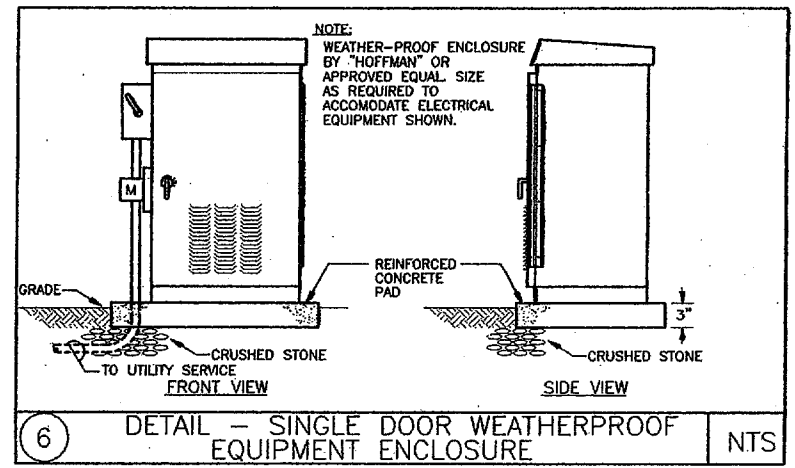
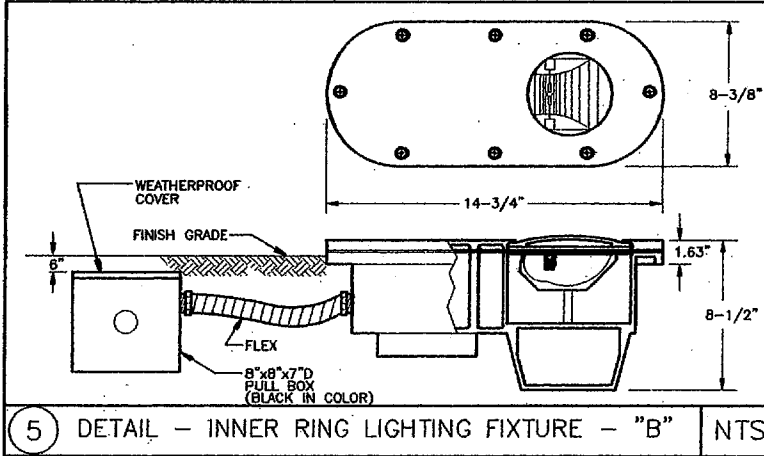
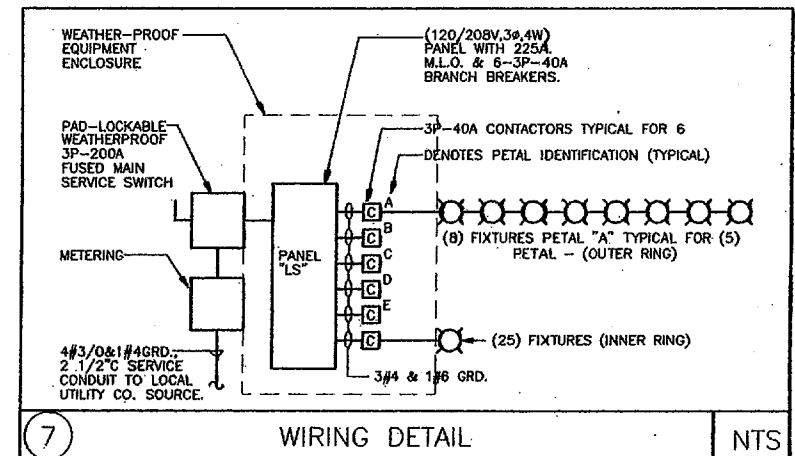
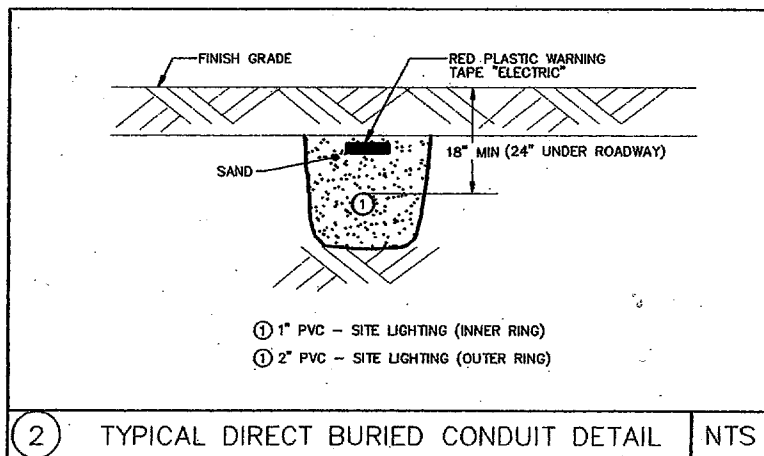
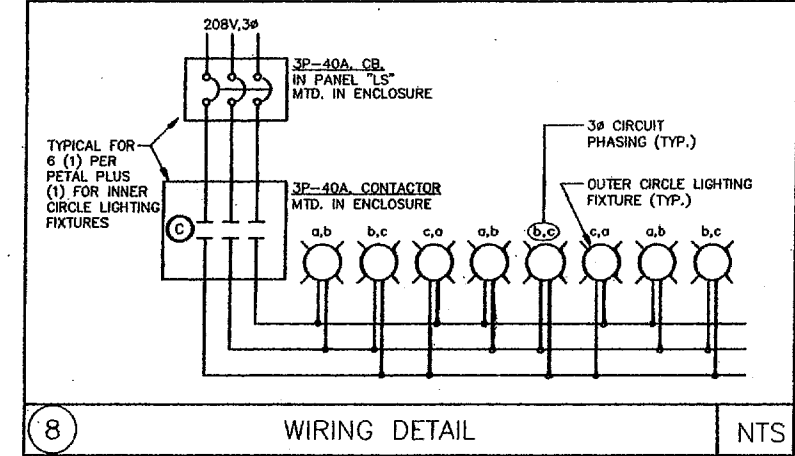
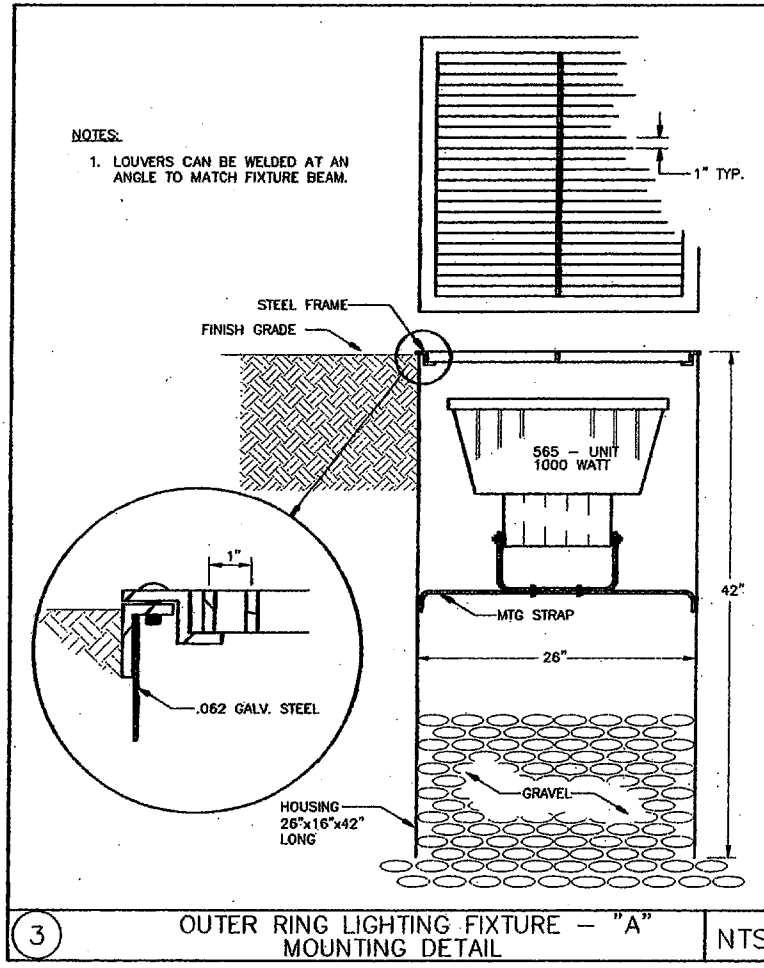
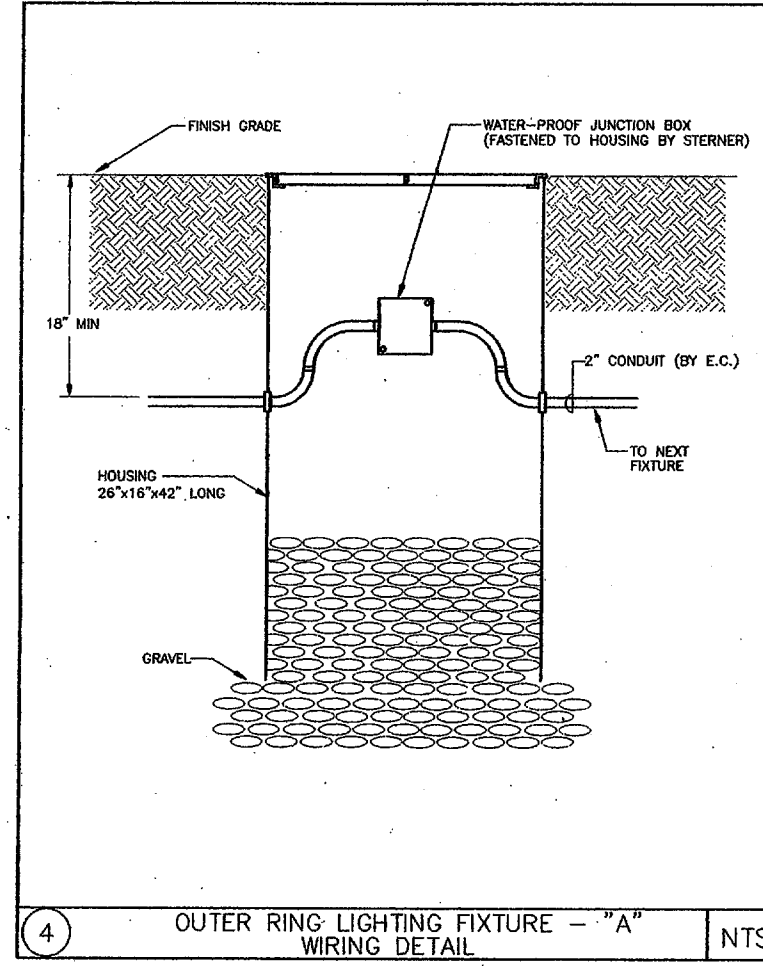
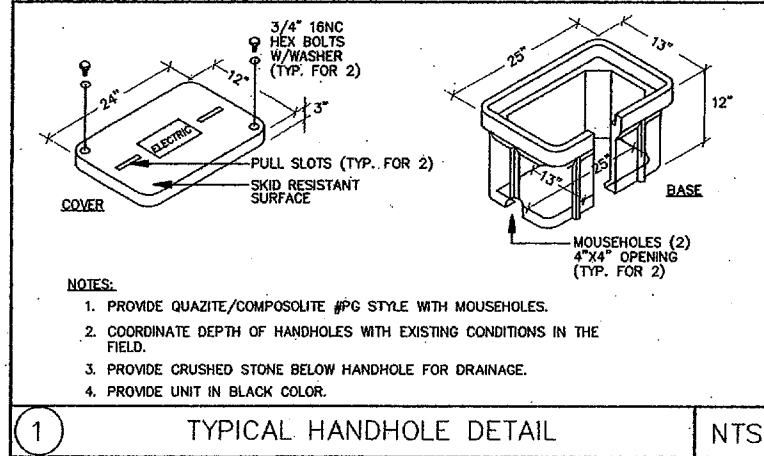
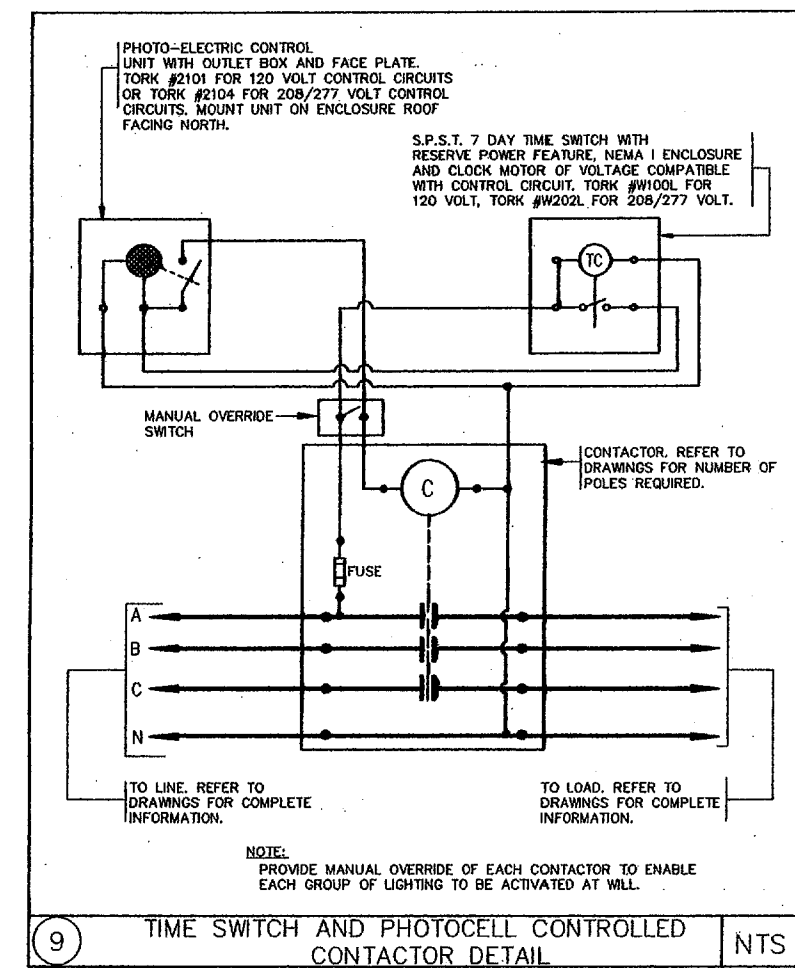


LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MANUFACTURER AND CATALOG NUMBER	LAMPS		VOLTAGE
			NUMBER	TYPE	
A	METAL HALIDE CANOPY UPLIGHT NOTE: BASE FIXTURE WITH INTEGRAL BALLAST MOUNTED ON CROSS BRACE WITHIN CUSTOM 16"Wx28"Lx42"D GALVANIZED STEEL HOUSING WITH 1" DEEP x 1 1/2" GRATE ENCLOSURE. BEAM DISTRIBUTION TO MEET MANUFACTURER PHOTOMETRIC FILE #B72559.ies.	STERNER "INFRANOR" 565-MOD/WELL LIGHT-N-N-N-48x79-1000H-208V-E	1	MS 1000/HOR/8T37 (CLEAR, 3400K, 05 CR) VENTURE OR EQUAL	208
B	METAL HALIDE PAR-30 DIRECT BURIAL COLUMN ACCENT LIGHT NOTE: 1. MODIFIED FOR METAL HALIDE PAR 30 LONG NECK LAMP. 2. INCLUDE (ADD-ALTERNATE) TO PROVIDE AND INSTALL TYPE "B" FIXTURE ONLY. BOXES, CONDUIT AND WIRING SHALL BE PART OF BASE BID.	GREENLEE LIGHTING INC. M-MHB-35-MH-208V-MOD/WHFAR-30L-BLK-TR-HL	1	CDM 35/PAR 30L/SP (SPOT 10" DISTRIBUTION, 3000K, 81CR) PHILIPS OR EQUAL	208

CONTACTOR SCHEDULE

UNIT NO.	FUNCTION	VOLTAGE	AMPERAGE	POLES	ENCLOSURE	REMARKS
1	CONTROL OF LIGHTING - PETAL "A"	208,3ø	40	3	OPEN	
2	CONTROL OF LIGHTING - PETAL "B"	208,3ø	40	3	OPEN	
3	CONTROL OF LIGHTING - PETAL "C"	208,3ø	40	3	OPEN	
4	CONTROL OF LIGHTING - PETAL "D"	208,3ø	40	3	OPEN	
5	CONTROL OF LIGHTING - PETAL "E"	208,3ø	40	3	OPEN	
6	CONTROL OF LIGHTING - INNER CIRCLE	208,1ø	40	2	OPEN	
7	SPARE (PROVIDE LOOSE)	208,3ø	40	3	OPEN	



**ADDISON CIRCLE
ROND POINT**

Addison, Texas

BID NO. 98-10

Client:
Town of Addison
P.O. Box 144
5300 Belt Line Road
Addison, Texas
75001-0144
Tel: 972.450.7000
Fax: 972.450.7043

Landscape Architect:
Michael Van Valkenburgh
Associates, Inc.
231 Concord Avenue
Cambridge, Massachusetts
02138
Tel: 617.864.2076
Fax: 617.492.3128

Artist:
Mel Chin
P.O. Box 566
Burnsville, North
Carolina 28714
Tel: 704.882.7199
Fax: 212.388.9330

Architect / Design
Consultant:
Thompson and Rose
Architects
1430 Massachusetts Ave.
Cambridge, MA 02138
Tel: 617.878.9966
Fax: 617.878.9922

Structural Engineer:
LeMessurier Consultants
675 Massachusetts Avenue
Cambridge, MA 02138
Tel: 617.868.1200
Fax: 617.661.7520

Lighting Designer:
Cline Bettridge Bernstein
Lighting Design
30 West 22nd Street
New York, NY 10010
Tel: 212.741.3280
Fax: 212.741.3112

Metal Fabricator Cost
Consultant:
Metalmorphosis
3101 S. La Cienega
Boulevard
Los Angeles, CA 90016
Tel: 310.287.0593
Fax: 310.287.0596

Geotechnical Engineer:
HBC Engineering, Inc.
4747 Irving Boulevard,
Suite 206
Dallas, TX 75247
Tel: 214.630.1010
Fax: 214.630.7070

Electric Engineer:
R.C. Vanderweil
Engineers, Inc.
266 Summer St.
Boston, MA 02210-1112
Tel: 617.423.7423
Fax: 617.423.7401

Irrigation Consultant:
Terry J. Little,
Irrigation Consultant
16835 Addison Road
Suite 103
Dallas, TX 75248
Tel: 972.380.4566
Fax: 972.380.4566

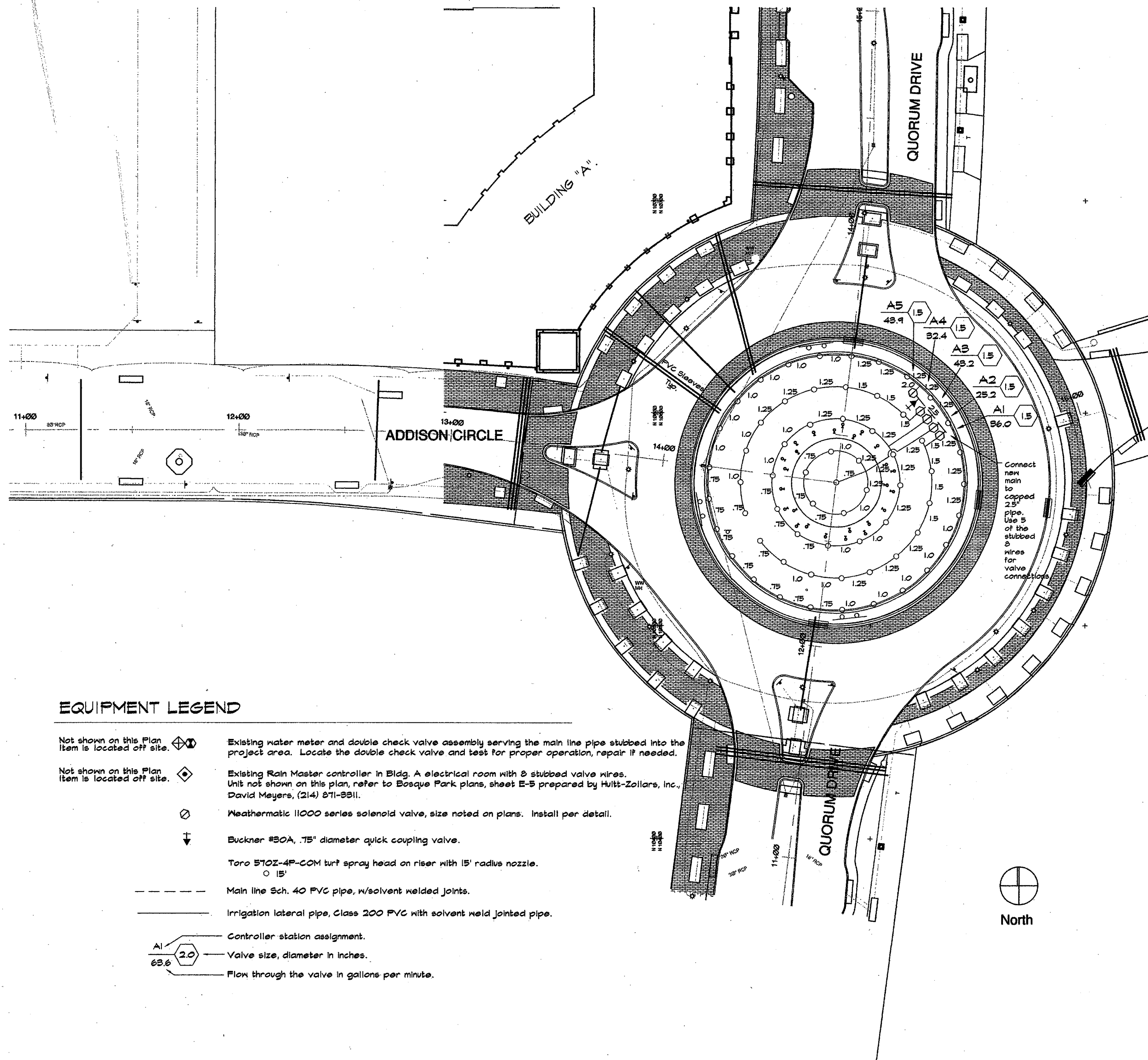
100% CONSTRUCTION DOCUMENTS

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS

231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
TEL: (617) 864-2076 FAX (617) 492-3128

DRAWING TITLE
**ELECTRICAL
LEGEND, DETAILS,
SCHEDULES, AND
GENERAL NOTES**

JOB NUMBER: 090600 DRAWING NUMBER:
DATE: 12 August 98
SCALE: N.T.S.
DRAWN BY: PJM
CHECKED BY: J.K.
E-201

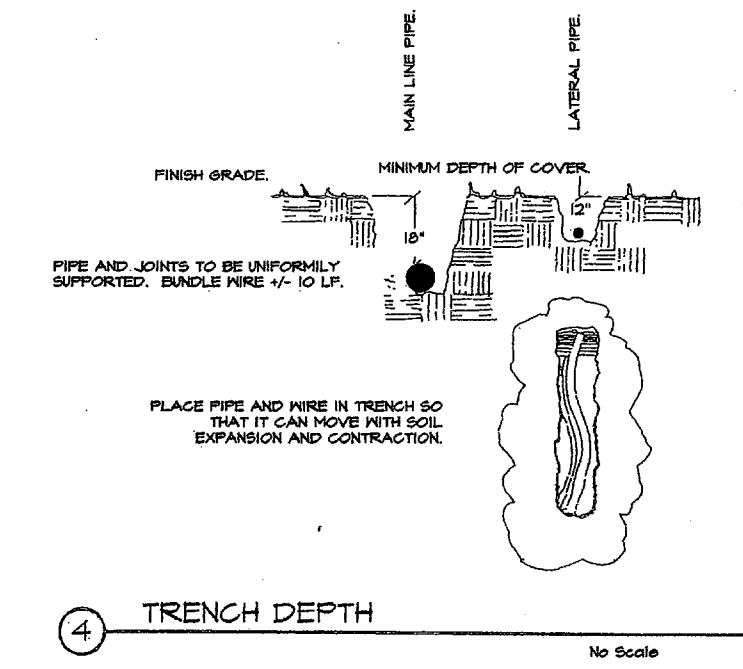
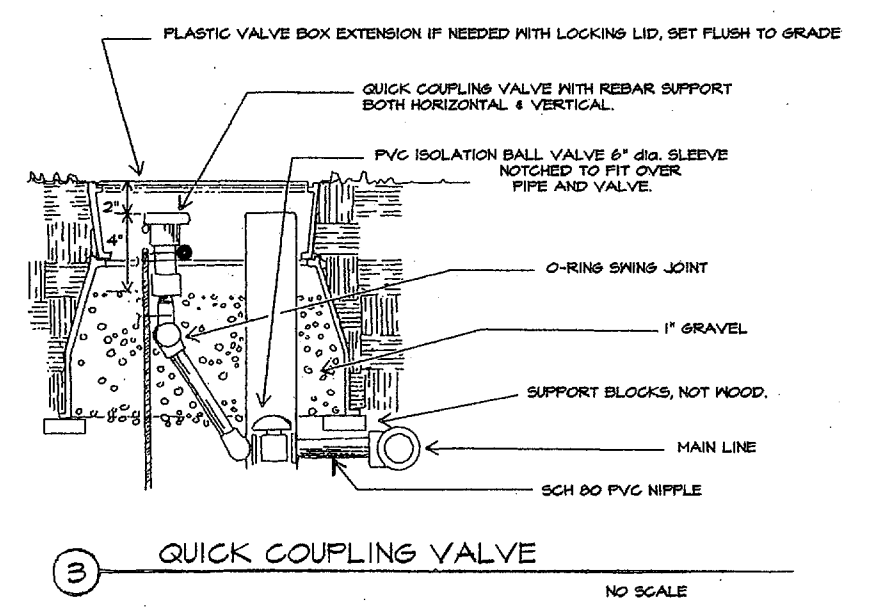
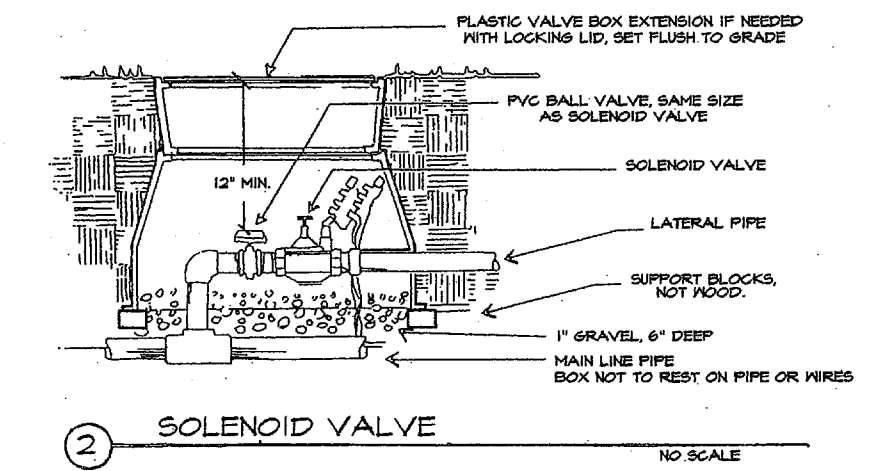
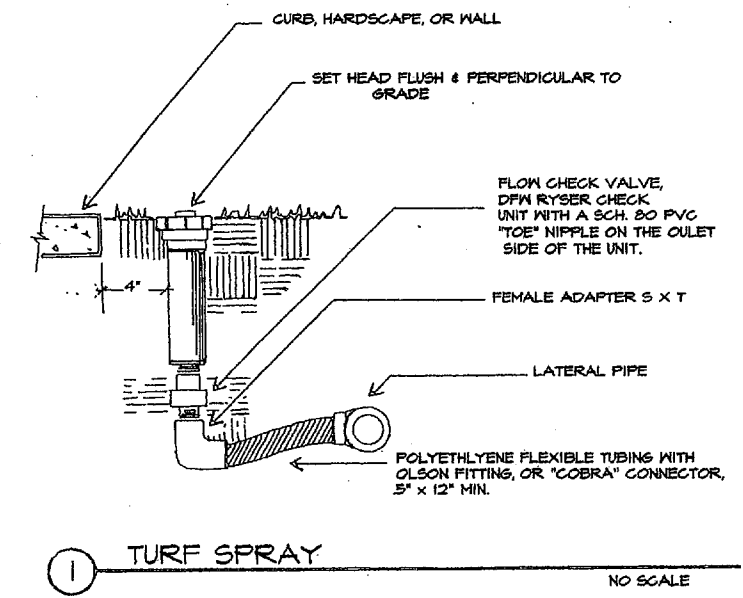


EQUIPMENT LEGEND

- Not shown on this Plan Item is located off site. Existing water meter and double check valve assembly serving the main line pipe stubbed into the project area. Locate the double check valve and test for proper operation, repair if needed.
- Not shown on this Plan Item is located off site. Existing Rain Master controller in Bldg. A electrical room with 3 stubbed valve wires. Unit not shown on this plan, refer to Bosque Park plans, sheet E-5 prepared by Hult-Zollars, Inc., David Meyers, (214) 871-3311.
- Weathermatic 11000 series solenoid valve, size noted on plans. Install per detail.
- Buckner #30A, .75" diameter quick coupling valve.
- Toro 570Z-4F-COM turf spray head on riser with 15' radius nozzle.
- Main line Sch. 40 PVC pipe, w/solvent welded joints.
- Irrigation lateral pipe, Class 200 PVC with solvent weld jointed pipe.
- Controller station assignment.
- Valve size, diameter in inches.
- Flow through the valve in gallons per minute.

SYSTEM NOTES

1. The Irrigation contractor is responsible for making himself familiar with all underground utilities, pipes and structures either shown or not shown on the plans. Contractor to field verify all dimensions before starting installation.
2. Verify a static water pressure of 60 psi stubbed water service pipe. Notify the designer if the reading is different before beginning any installation. Failure to not do so will result in the contractor assuming full liability for any system modifications necessary.
3. All valves, wire splices, quick couplers, etc. are to be positioned within valve boxes having black lids and that have latching/locking lids.
4. Wires for actuation of solenoid valves shall be UL-UF solid copper wire and splices shall be made only within a valve box.
5. Valve boxes are to be aligned in a straight row with black lids, flush to grade and generally located away from walking surfaces. Compact soil firmly around each box.
6. Do not operate irrigation schedules that overload the system hydraulically by causing water to travel faster than 5.0 fps or demand more than 60 gpm.



ADDISON CIRCLE ROND POINT

Addison, Texas
 Bid No. 98-10

Client:
 Town of Addison
 P.O. Box 144
 5300 Belt Line Road
 Addison, Texas 75001-0144
 Tel: 972.450.7000
 Fax: 972.450.7043

Landscape Architect:
 Michael Van Valkenburgh Associates, Inc.
 231 Concord Avenue
 Cambridge, Massachusetts 02138
 Tel: 617.864.2076
 Fax: 617.492.3128

Artist:
 Mel Chin
 P.O. Box 566
 Burnsville, North Carolina 28714
 Tel: 704.682.7199
 Fax: 212.388.9330

Architect / Design Consultant:
 Thompson and Rose Architects
 1430 Massachusetts Ave.
 Cambridge, MA 02138
 Tel: 617.876.9966
 Fax: 617.876.9922

Structural Engineer:
 LeMessurier Consultants
 675 Massachusetts Avenue
 Cambridge, MA 02138
 Tel: 617.661.1200
 Fax: 617.661.7520

Lighting Designer:
 Cline Bettridge Bernstein Lighting Design
 30 West 22nd Street
 New York, NY 10010
 Tel: 212.741.3280
 Fax: 212.741.3112

Metal Fabricator Cost Consultant:
 Metalmorphosis
 3101 S. La Cienega Boulevard
 Los Angeles, CA 90016
 Tel: 310.287.0593
 Fax: 310.287.0596

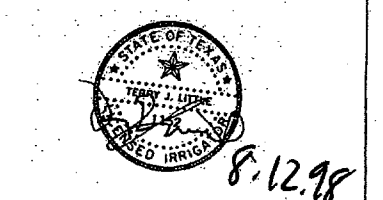
Geotechnical Engineer:
 HBC Engineering, Inc.
 4747 Irving Boulevard, Suite 206
 Dallas, TX 75247
 Tel: 214.630.1010
 Fax: 214.630.7070

Electric Engineer:
 R.G. Vanderweil Engineers, Inc.
 266 Summer St.
 Boston, MA 02210-1112
 Tel: 617.423.7423
 Fax: 617.423.7401

Irrigation Consultant:
 Terry J. Little, Irrigation Consultant
 16835 Addison Road
 Suite 103
 Dallas, TX 75248
 Tel: 972.380.4566
 Fax: 972.380.4566

100% Construction Documents

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS



231 CONCORD AVENUE, CAMBRIDGE, MA 02138 USA
 TEL (617) 864-2076 FAX (617) 492-3128

Irrigation Plan, Notes and Details

JOB NUMBER 9830 DRAWING NUMBER
 DATE 12 August 1998
 SCALE 1" = 20'-0"
 DRAWN BY TL
 CHECKED BY
 11.01