

Chapter VI

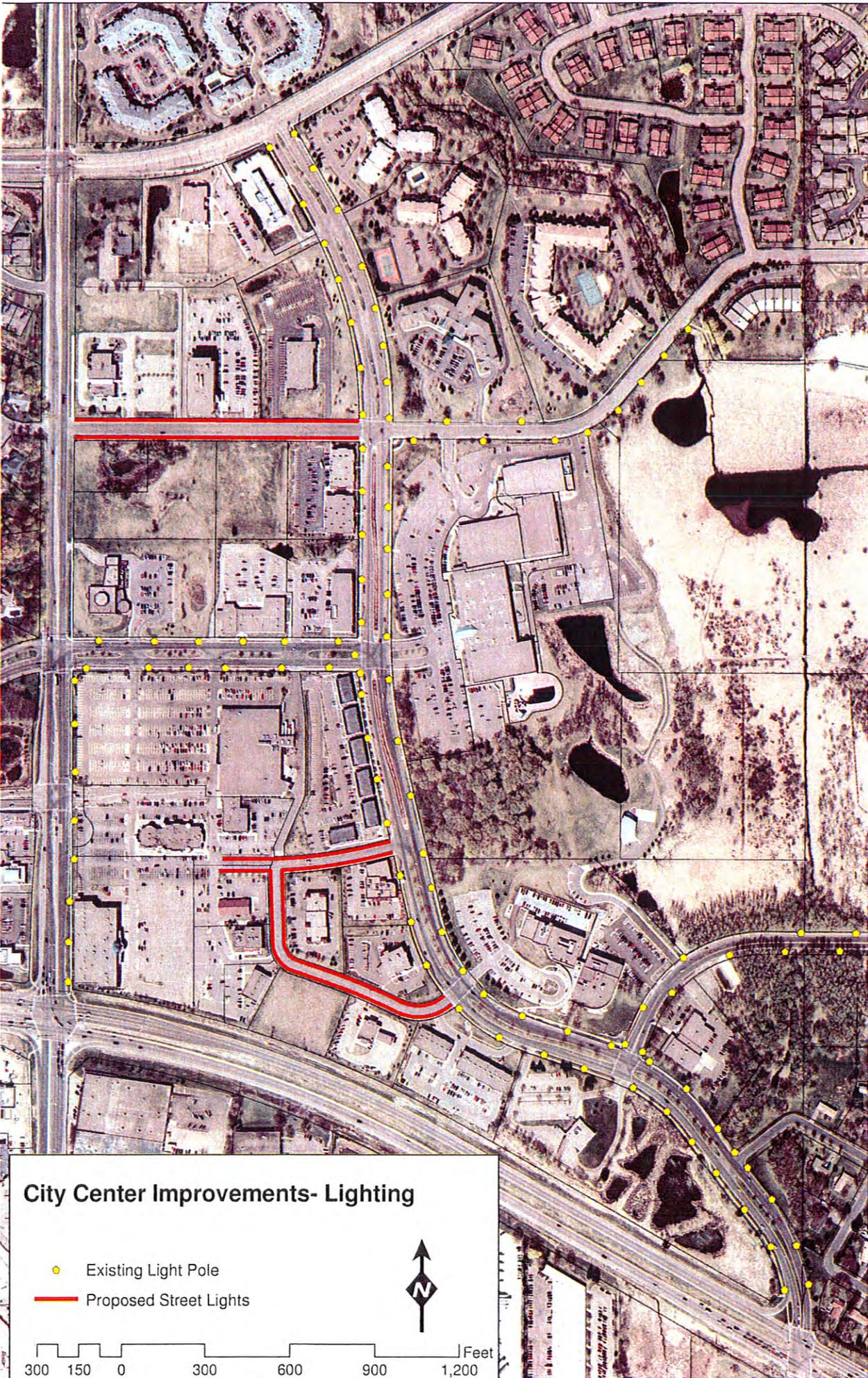
Lighting

Street Lighting/Pedestrian
Spine Lighting
Parking Lot Lighting
Uplighting

A STREET LIGHTING/PEDESTRIAN SPINE LIGHTING

The City began installing street lights in City Center in 1999. The City Center Streetscape Plan adopted in 1998 recommended the addition of street lights to help give the area an identity separate from the rest of the city. The City expanded the number of street lights in 2006. As illustrated on the following map, 37th Avenue, 35th Avenue and part of 34th Avenue are the only areas where street lighting is still needed.

As the pedestrian spine is constructed, the City will require developers of affected properties to construct the spine and install lighting similar to the City Center street lighting (refer to photos of street and spine lighting).



City Center Improvements- Lighting

- Existing Light Pole
- Proposed Street Lights



300 150 0 300 600 900 1,200 Feet

STREET LIGHTING



Street lighting can be scaled to serve both pedestrian and vehicular traffic.



A shorter version of the City Center street light will be used on the pedestrian spine.



CARLO LACHMANSINGH SALES, INC.



4801 4th Avenue South, Minneapolis, MN 55419
Phone: (612) 827-2211 .Fax (612) 821-0161

SUBMITTAL

3-13-06

CITY CENTER STREET LIGHTING
CITY PROJECT No. 4143
PLYMOUTH, MN

KILLMER ELECTRIC CO. INC.
5141 LAKELAND AVENUE NORTH
CRYSTAL, MN 55429
PO # 47321-1332

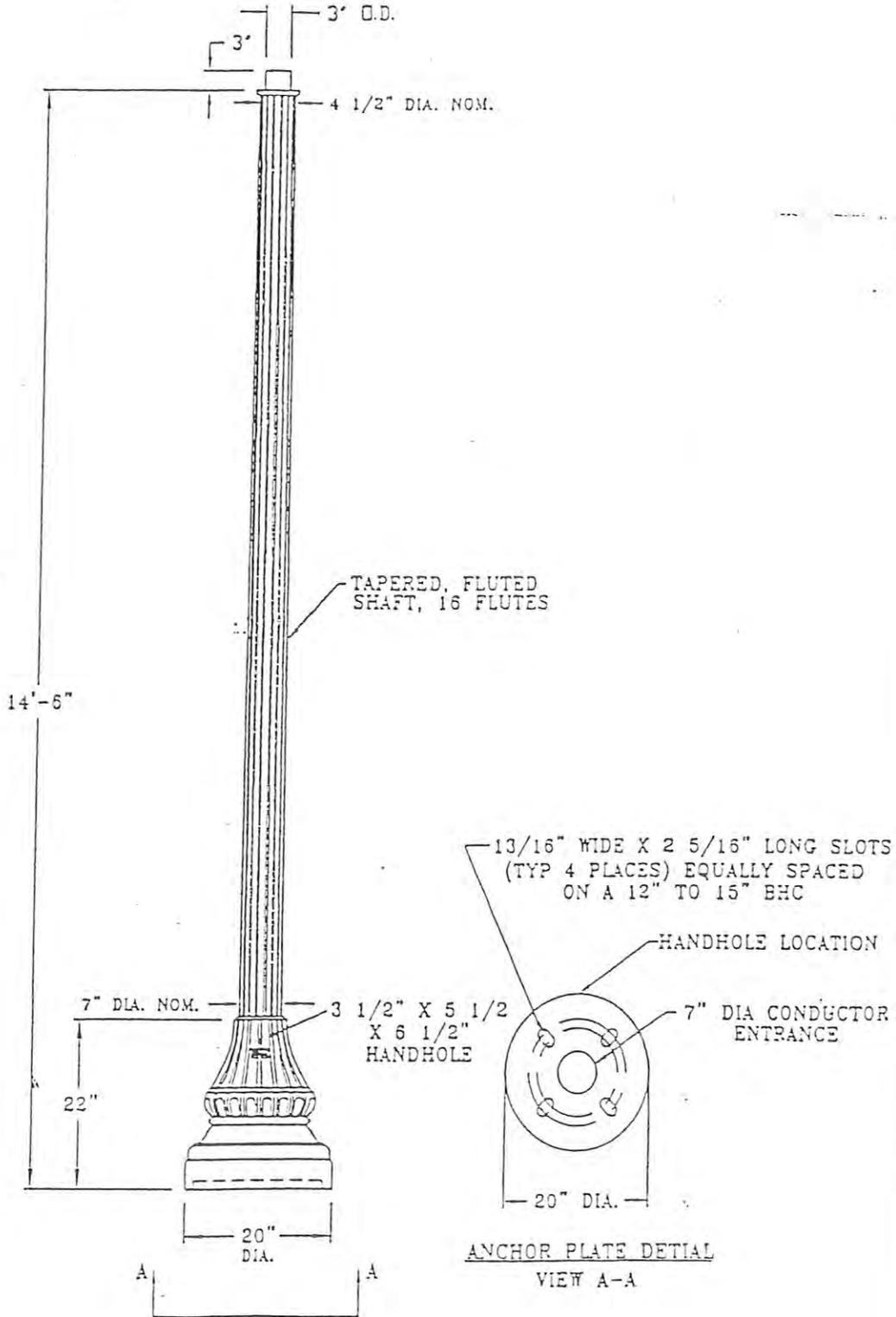
<u>Manufacturer</u>	<u>Type</u>	<u>Qty</u>	<u>Drawing/Description</u>
SHAKESPEARE		28	AP20-14.5-FS1105 BLACK
...NG LUMINAIRE		28	K118R-EAR-II-100(MOG)-HPS
A.B. CHANCE		28	-120(MT)-K18/RAL9017 T112-0645

Approved By:

Date:

<input type="checkbox"/> REVIEWED	Review does not extend to quantities, dimensions, fabrication processes, construction means or methods, coordination of the work or safety procedures. Comments or corrections made do not relieve Contractor from compliance with the drawings and specifications.
<input checked="" type="checkbox"/> FURNISH AS CORRECTED	
<input type="checkbox"/> REVISE AND RESUBMIT	In resubmitting, identify revisions made.
<input type="checkbox"/> REJECTED	
Review of this submittal is expressly limited as provided in the Contract Documents and is only to determine compliance with information given in the Contract Documents and conformance with the design concept of the completed project. Review does not affect contract price or time.	
Short Elliott Hendrickson Inc.	
By: <u>J. Elliott</u>	Date: <u>3/25/06</u>

NOTES:
 1-COLOR: BLACK
 1-FINISH: SEMI GLOSS
 1-MATERIAL: FIBERGLASS REINFORCED COMPOSITE
 EXCEPT AS NOTED



REV	DESCRIPTION	DATE
C	1 1/8" X 2 5/8" SLOTS	CC 6/27
B	ROTATE ANCHOR BOLTS 45 DEGREES	LFBI 11/4
A	3 1/2" X 5 1/2" X 6 1/2" HANDHOLE	LFBI 3/3

DESCRIPTION:

14'-6" SEMI-GLOSS BLACK
 FLUTED ORN LIGHT POLE
 W/20' WASH. BASE
 W/ ANCHOR PLATE
 ROTATED 45°

Shakespeare C&E

DRAWN	CHECKED	SCALE	DATE
SMS	LFBI	NONE	10/03/97
SAVED AS CADSHARE\AP20-14.5FS1105_C			

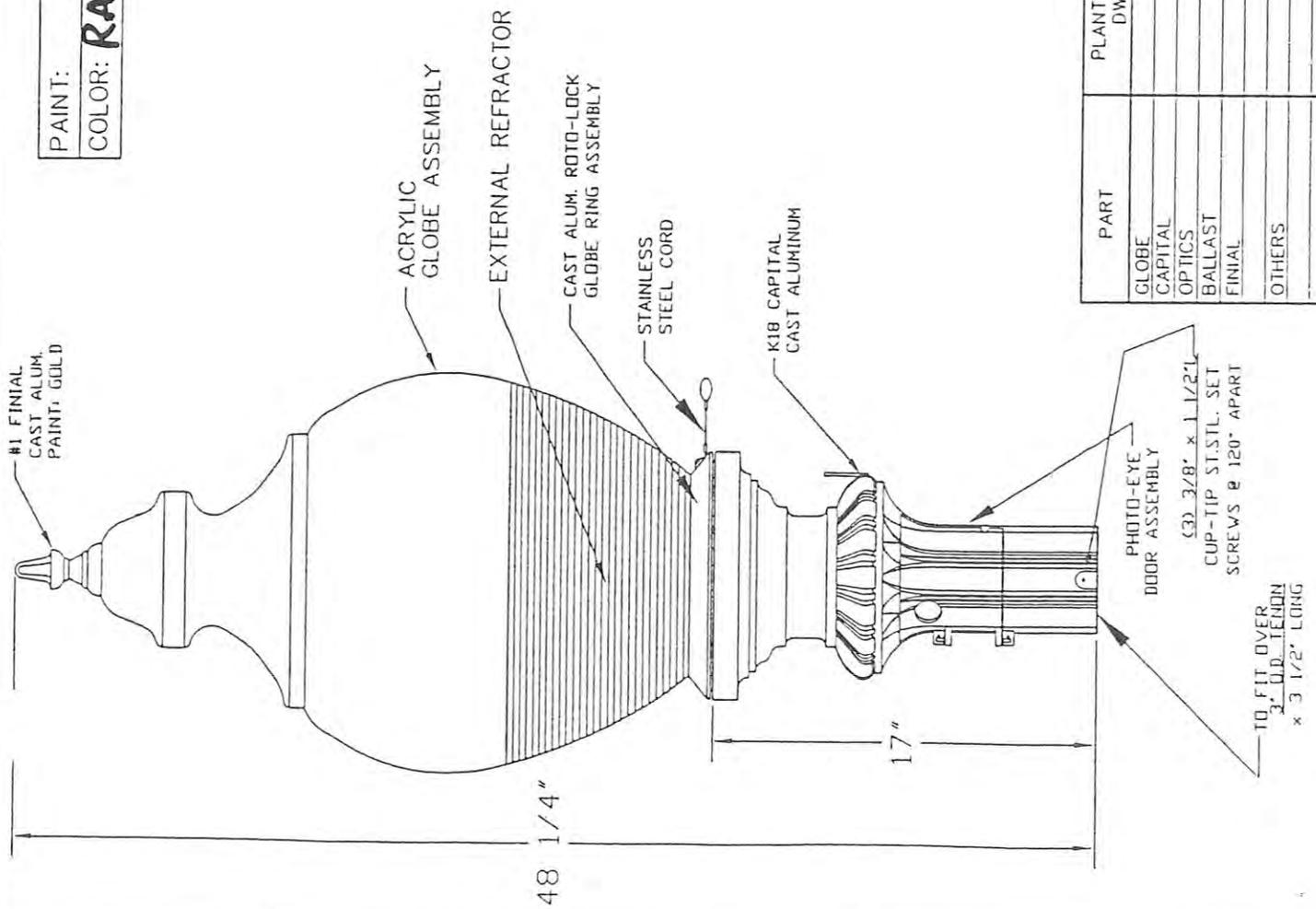
PC. NO.

AP20-14.5FS1105

REV.	ALTERATION	E.C.	BY
A	REVISED SCREW SIZE		TB

KING U.S. ORDER NO. CUSTOMER ORDER NO.

PAINT:
COLOR: **RAL9017**



SPECIFICATIONS
 CATALOGUE NO.: K118R-EAR-II-100(MOG)
 -HPS-120(MT)-K18
 QUANTITY:
 GLOBE MAT'L: ACRYLIC
 IES CLASSIFIC.: TYPE II
 WATTAGE: 100W
 LIGHT SOURCE: HIGH PRESSURE SODIUM
 LINE VOLTAGE: 120V (MULTI-TAP)
 POLE ADAPTOR: K18
 LAMP BY OTHERS

BALLAST INFORMATION:
 BALLAST TYPE: HX-HPF
 BALLAST MANUFACTURER: MAGNETEK / ADVANCE
 CATALOG NUMBER: S100MLTLC3M / 71A8091

OPTIONS:
 QUICK DISCONNECT
 TERMINAL BLOCK
 OTHER:

NOTE: FIXTURE TO BE PACKED IN ONE CARTON,
 HEIGHT NOT TO EXCEED 48 INCHES.

CUSTOMER APPROVAL: _____

KING LUMINAIRE
 COMPANY INC.
 840 WALKER'S LINE, P.O. BOX 7,
 BURLINGTON, ONTARIO, CANADA L7R 3A9 P.O. BOX 266, JEFFERSON, OHIO
 U.S.A. 44047

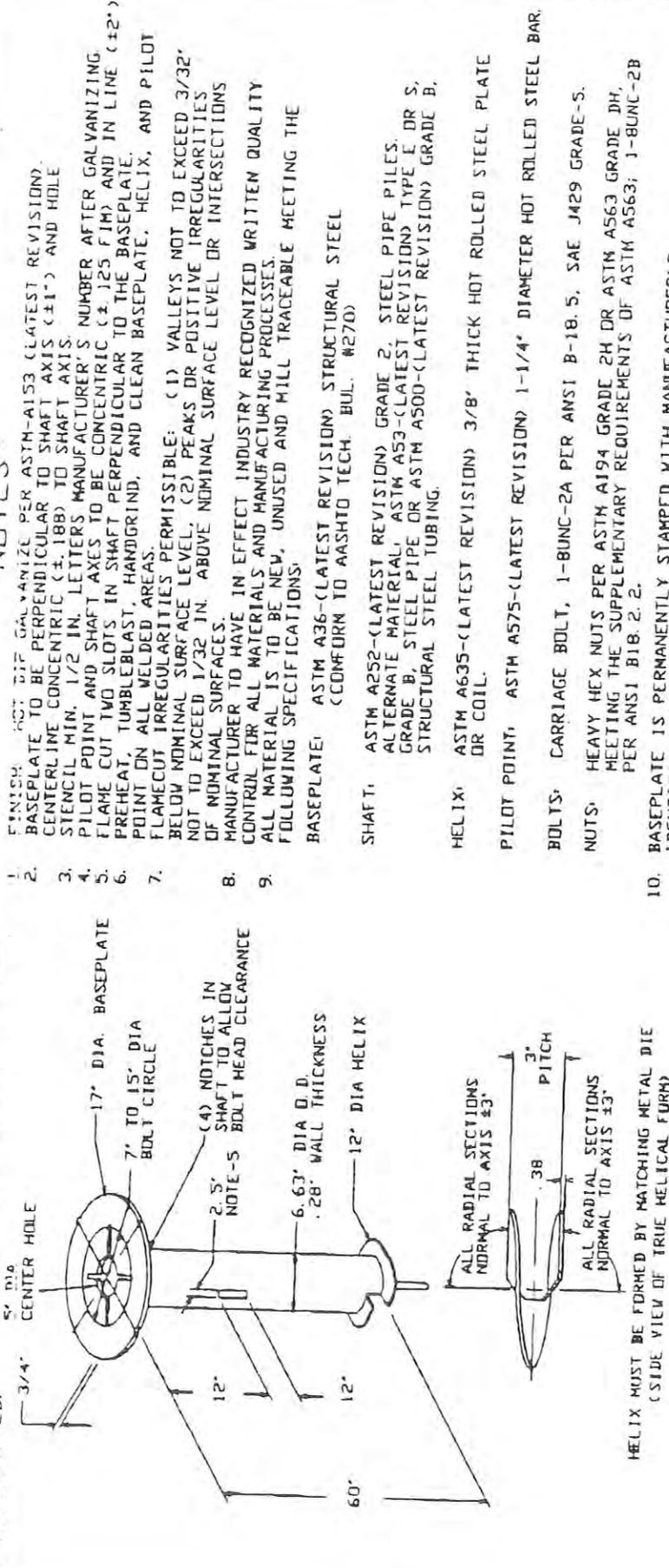
DRAWING NAME: APPROVAL DWG	DWG NUMBER NSPK118-26	DATE 04/24/01	DWG BY: A. A.	REV. A
PROJECT/CUSTOMER: NORTHERN STATES POWER			NSPK118	

PART	PLANT REFERENCE DWG. #'S	REVISION
GLOBE		
CAPITAL		
OPTICS		
BALLAST		
FINIAL		
OTHERS		

CERT. I.D. CS [] ET []

RECOMMENDED TORQUE NO GREATER THAN 10,000 FT. L.B.

NO HARDWARE INCLUDED, T112-0633, DR T112-0393
HARDWARE PACKAGES SOLD SEPARATELY



LIGHTING FOUNDATION
CAT. NO. T112-0645

T112-0393 HARDWARE PACKAGE INCLUDES:
(4) 3/4" X 3-1/2" GALV. CARRIAGE BOLTS
(4) ROUND FLAT WASHERS
(4) 3/4" NUTS

T112-0633 HARDWARE PACKAGE INCLUDES:
(4) 3/4" X 3-1/2" GALV. CARRIAGE BOLTS
(4) ROUND FLAT WASHERS
(4) 3/4" NUTS
(4) LOCK WASHERS
(4) 3" X 3" X 1/4" TAPPED RETAINING WASHER

-NOTES-

1. FINISH: HOT DIP GALVANIZE PER ASTM-A153 (LATEST REVISION). BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS (+1°) AND HOLE CENTERLINE CONCENTRIC (+.188) TO SHAFT AXIS.
2. STENCIL MIN. 1/2 IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
3. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (+.125 FIM) AND IN LINE (+.2°).
4. FLAME CUT TWO SLOTS IN SHAFT PERPENDICULAR TO THE BASEPLATE. PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
5. FLAMECUT IRREGULARITIES PERMISSIBLE: (1) VALLEYS NOT TO EXCEED 3/32" BELOW NOMINAL SURFACE LEVEL, (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32 IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
6. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
7. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:
8. BASEPLATE: ASTM A36-(LATEST REVISION) STRUCTURAL STEEL (COMFURN TO AASHTO TECH. BUL. #27D).
9. SHAFT: ASTM A252-(LATEST REVISION) GRADE 2, STEEL PIPE PIPES. ALTERNATE MATERIAL: ASTM A53-(LATEST REVISION) TYPE E DR S, STRUCTURAL STEEL TUBING.
10. HELIX: ASTM A635-(LATEST REVISION) 3/8" THICK HOT ROLLED STEEL PLATE OR COIL.
11. PILOT POINT: ASTM A575-(LATEST REVISION) 1-1/4" DIAMETER HOT ROLLED STEEL BAR.
12. BOLTS: CARRIAGE BOLT, 1-8UNC-2A PER ANSI B-18.5. SAE J429 GRADE-5.
13. NUTS: HEAVY HEX NUTS PER ASTM A194 GRADE 2H DR ASTM A563 GRADE 1H, MEETING THE SUPPLEMENTARY REQUIREMENTS OF ASTM A563; 1-8UNC-2B PER ANSI B18.2.2.
14. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION 'ABC' IN 1/2" LETTERS AND DATE CODE IN 1/4" LETTERS.
15. BASEPLATE PERMANENTLY MARKED TO INDICATE CABLEWAY OPENING IN SHAFT.

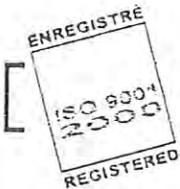
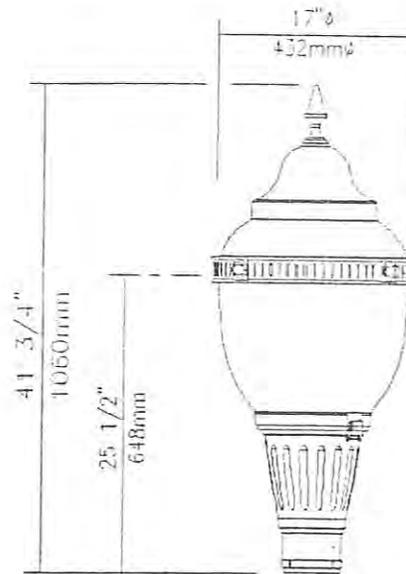
		HUBBELL POWER SYSTEMS	
LIGHTING FOUNDATION			
TITLE SB	DWG. NO. S4112-0645	DATE 7/21/04	SHEET NO. 1 OF 1
DESIGNED BY KSH		CHECKED BY C	

CHANCE

OPERATIONAL, THIS DRAWING AND ITS CONTENTS ARE CONSIDERED TO BE THE PROPERTY OF HUBBELL POWER SYSTEMS. NO PARTS OF THIS DRAWING OR THE INFORMATION CONTAINED HEREIN ARE TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF HUBBELL POWER SYSTEMS. HUBBELL POWER SYSTEMS ASSUMES NO LIABILITY FOR ANY DAMAGE OR LOSS OF PROFITS, BUSINESS, OR REVENUE, OR FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, ARISING OUT OF OR FROM THE USE OF THIS DRAWING.



540, Cure-Boivin
Boisbriand (Quebec)
Canada, J7G 2A7



Qty	17	Type	L250
		Luminaire	S56-200HPS:GL-DSX5-QTA/240-CB-FN10-FNC-GN8TX

Description of Components:

Finial: Decorative cast 356 aluminum, mechanically assembled.

Hood: (GL), One-piece, seamless, pressure-molded colorless borosilicate glass globe having internal prisms with smooth external self-cleaning surface, permanently assembled to the globe.

Globe: (GL), One-piece, seamless, pressure-molded colorless borosilicate glass globe having internal glare softening prisms with smooth external self-cleaning surface. The globe is mechanically assembled to the access-mechanism.

Lamp: (not included), 200 Watt High Pressure Sodium (ANSI Code S66), ED 18 bulb, mogul base.

Optical System: (DSX5), Type V, (symmetrical), cutoff distribution with less than 1% uplight. Smartseal Optical system, composed of bright-anodized hydroformed aluminum reflector, permanently assembled on a prismatic globe. Weatherproof IP66 rating.

Ballast: High power factor of 90%. Primary voltage 120/208/240/277 volts, connected to 240 volts. Lamp starting capacity -40F(-40C) degrees. Assembled on a unitized removable tray with quick disconnect plug.

Access-Mechanism: A cast A360.1 aluminum technical ring with latch and hinge. The mechanism shall offer toolfree access to the inside of the luminaire. An embedded memory-retentive gasket shall ensure weatherproofness.

Fitter: Cast aluminum A360.1 c/w 4 set screws 3/8-16 UNC. Fits on a 4"(102mm) outside diameter by 4"(102mm) long tenon.

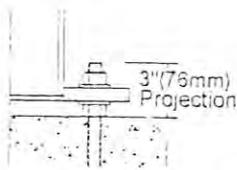
Luminaire Options: (FNC), Finial Painted Copper (CB) Decorative crown made of cast aluminum 356, mechanically assembled to the globe.



640, Curé-Boivin
Boisbriand (Quebec)
Canada, J7G 2A7

Parkers Lake (51278)

Base & Bolts Information



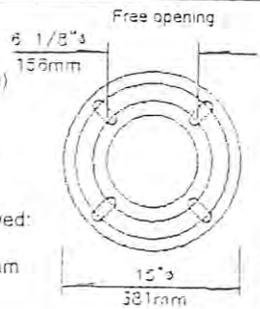
Comes with 4 steel anchor bolts, 3/4" X 24" + 3", 8 nuts and 8 washers. Important: Do not obstruct space between anchor plate and concrete base.

Anchor Plate

-B.C.:
12 1/2" (318mm)

- Material:
Cast Aluminum

- NOTE:
Bolt Circle Allowed:
10" to 13"
254mm to 330mm



ENREGISTRE

ISO 9001
2000

REGISTERED

Qty	17	Type	L250
		Pole	RTA906F-12-GFI-DF-GN8TX

Description of Components:

Pole Shaft: Shall be made from a mandrel-formed aluminum tapered shaft, 12 fluted round, having a 0.125" (3.2mm) wall thickness, welded to the pole base

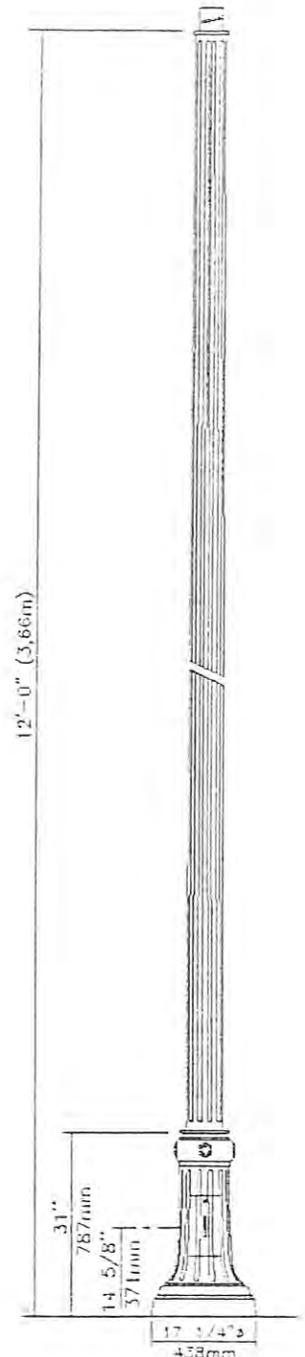
Pole Base: Shall be made from a 6 5/8" (168mm) round 6063-T4 aluminum tubing annealed to T6 after welding base having a 0.250" (6.3mm) wall thickness, welded to both the bottom and top of the anchor plate.

Maintenance Opening: The pole shall have a 4 1/2" x 10" (114mm x 254mm) maintenance opening centered 14 5/8" (371mm) from the bottom of the anchor plate, complete with a weatherproof cast 356 aluminum cover and a copper ground lug.

Base Cover: Two piece round base cover made from cast 356 aluminum, complete with a cast-in access door, mechanically fastened with stainless steel screws.

Pole Options: (GFI) Duplex receptacle, 15 A, 120 volts, GFI type complete with a weatherproof aluminum cover.

(DF) Base cover complete with 4 decorative flowers.



B PARKING LOT LIGHTING

The Zoning Ordinance requires that freestanding luminaires in City Center not exceed 25 feet in height. As illustrated in the photograph below, parking lot lights can be even lower in scale and still serve their intended purpose.



C UPLIGHTING

Uplighting enhances the nighttime appearance of City Center, creating a mood that can be lively or dramatic. The photograph of City Hall below is a great example of quality uplighting.

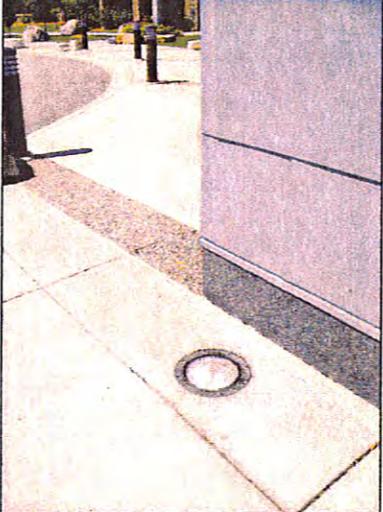


Photo by Paul Crosby

UPLIGHTING



The nighttime environment in City Center is enlivened with the uplighting of trees.



Uplighting building facades is another way to increase the appeal of City Center at night.



Uplighting can take many forms. Low level light can enhance the nighttime appearance of City Center.

Chapter VII

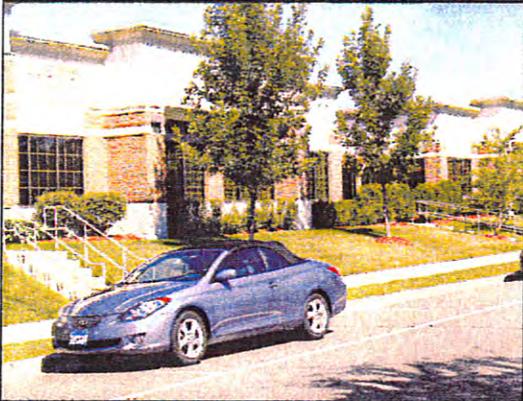
Landscaping

Street Trees
Median Landscaping
Flower Beds
Planters

STREET TREES



Street trees help soften the hard edges of the buildings in City Center.



Street trees help emphasize the pedestrian orientation of City Center.

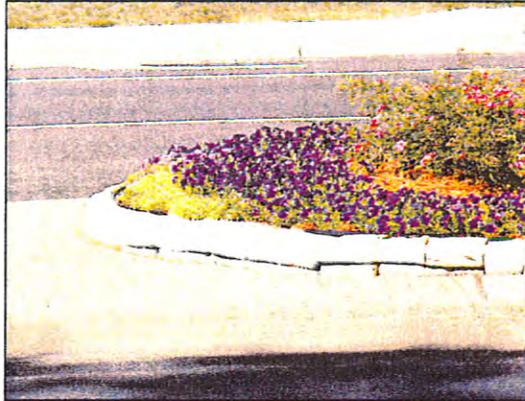


All new developments are required to plant street trees.



Street trees provide increasing shade as they mature.

MEDIAN LANDSCAPING



Streets are enlivened with colorful medians planted with annuals.



Trees and low growing shrubs enhance medians along City Center's public streets.



Breaking up the sea of asphalt in parking lots with median plantings is a welcome relief for customers.



Creating a pathway from a parking lot to a building makes it safer for the pedestrian. Pathway landscaping improves the quality of the experience.

MEDIAN LANDSCAPING CONTINUED



Maple Grove has landscaped the medians on the eastern border of the Arbor Lakes area.



FLOWER BEDS



Flower beds come in all shapes and sizes. Even a small one adds value.



A flower bed adds color and softens the hard edges of the monument sign.



Flower beds enhance the pedestrian scale and orientation in City Center.



The formerly large open area at the corner of the City Hall site gained a more pedestrian friendly feel with the introduction of a low scale sign and accompanying flowers.

PLANTERS



Groups of planters help soften the hardscape in commercial areas.



Planters add color to the typically muted tones of buildings.



Planters can vary from business to business.



Planters at building entrances make the entrances more inviting.

Chapter VIII

Additional Amenities

Benches
Trash Receptacles
Bike Racks
Bollards
Street Signs

BENCHES



A well landscaped plaza area with seating enhances the pedestrian orientation of City Center.



Outdoor seating should be placed in both private and public settings. This area is part of the public domain at Excelsior & Grand in St. Louis Park.

Bench 162

Steel Benches with Backrest



Standard City Center Bench

- TIMELESS ELEGANCE IN AN ALL-STEEL DESIGN
- CLASSIC GULL-WING CAST IRON SUPPORT
- ALL-WELDED SEAT ASSEMBLY

Materials

Seating Surface: 1" square x 13-gauge wall and 2" x 1" x 13-gauge wall steel tubing

Back Panel: 1/4"-thick steel plate and 2" x 1" x 13-gauge wall steel tube

Supports: Cast iron

Bracing: 1-1/16" O.D. steel pipe

Fasteners: Stainless steel

Finish: See our [options page](#) for choice of polyester powder finish (shown in Black).

162-60 6' long, 2 supports, 277 lbs.

162-80 8' long, 2 supports, 335 lbs.

[View Specifications](#)

[162-60](#), [162-80](#)

TRASH RECEPTACLES



Trash receptacles are a convenience for “customers” in a city center area.

Receptacle 102

Steel Receptacles



SHOWN WITH OPTIONAL 18-GAUGE STEEL SHIELD

View Specifications

[102-22-FTO](#), [102-22SH-FTO](#)
[102-32-FTO](#), [102-32SH-FTO](#)

Standard City Center Trash Receptacle

- **HINGED DOOR FOR EASY LINER REMOVAL**
- **22- OR 32- GALLON CAPACITY**
- **OPTIONAL 18-GAUGE STEEL SHIELD**

Materials

Top and Bottom Bands: 3/8" x 2-1/2" steel

Center Band: 3/8" x 2" steel

Cover: 3/8"-thick steel plate with 10"-diameter opening

Internal Steel Shield (optional): 18-gauge CR steel

Rosettes: 4-1/4" O.D. x 3/4"-thick cast iron

Vertical Straps: 1/2" x 1" (32 gal.) or 3/8" x 1" (22 gal.)
 HR steel bar

Reveal Strip: 1/4" x 2" HR steel bar

Receptacle Liner: 22- or 32-gallon plastic

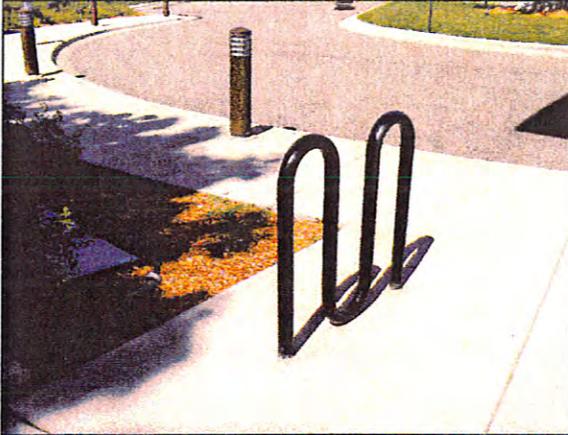
Finish: See our [options page](#) for choice of polyester powder finish (shown in Black).



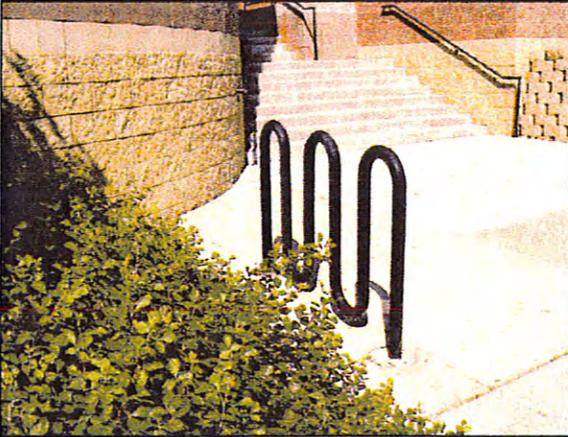
**HINGED DOOR
 FOR EASY
 LINER REMOVAL**

- 102-22 22-gallon all-steel Receptacle, 263 lbs.
 102-22SH 22-gallon all-steel Receptacle with optional steel shield, 285 lbs.
 102-32 32-gallon all-steel Receptacle, 294 lbs.
 102-32SH 32-gallon all-steel Receptacle with optional steel shield, 321 lbs.

BIKE RACKS



Bike racks are a critical incentive for promoting increased bicycle use.



Bike racks should be placed near building entrances.

BOLLARDS



Bollards provide protection for pedestrians, but also contribute to the aesthetics of the streetscape.



Bollards can provide a secondary function of lighting an area during evening hours.



Photo by Paul Crosby



Lake Shore Industries

Cast Aluminum Street Signs

Lake Shore's Street Signs are custom-cast in aluminum. Signs are double-sided, letters and borders are an integral part of the background and are raised off the background approximately 1/8-inch. Most designs have a textured background. Street signs may be center-post mounted or end-mounted to post. Several designs hang from a bracket or rod.

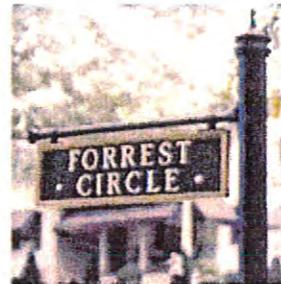
Lake Shore can customize signs to your specifications. Standard and custom colors are available in our Acrylic Polyurethane Enamel baked-on finish, as well as bead-type reflectorization of name and border.



25" x 6" Victorian 4-way



26" x 7" Palladian 4-way



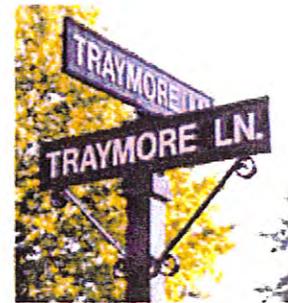
24" x 7" Forrest Circle w/arm & finials



25" x 6" Modified Victorian wing type



32" x 10" Villa 4-way
Also available as wing type
Can be inverted



30" x 6" Bolton 4-way with custom scrolls



28" x 10" Cherry Hill wing type



26" x 7" Modified Palladian wing type

Aluminum fluted post
Available in 2-1/2" I.D.



Cast aluminum Bollard
35-1/4" high x 10-7/8" at base



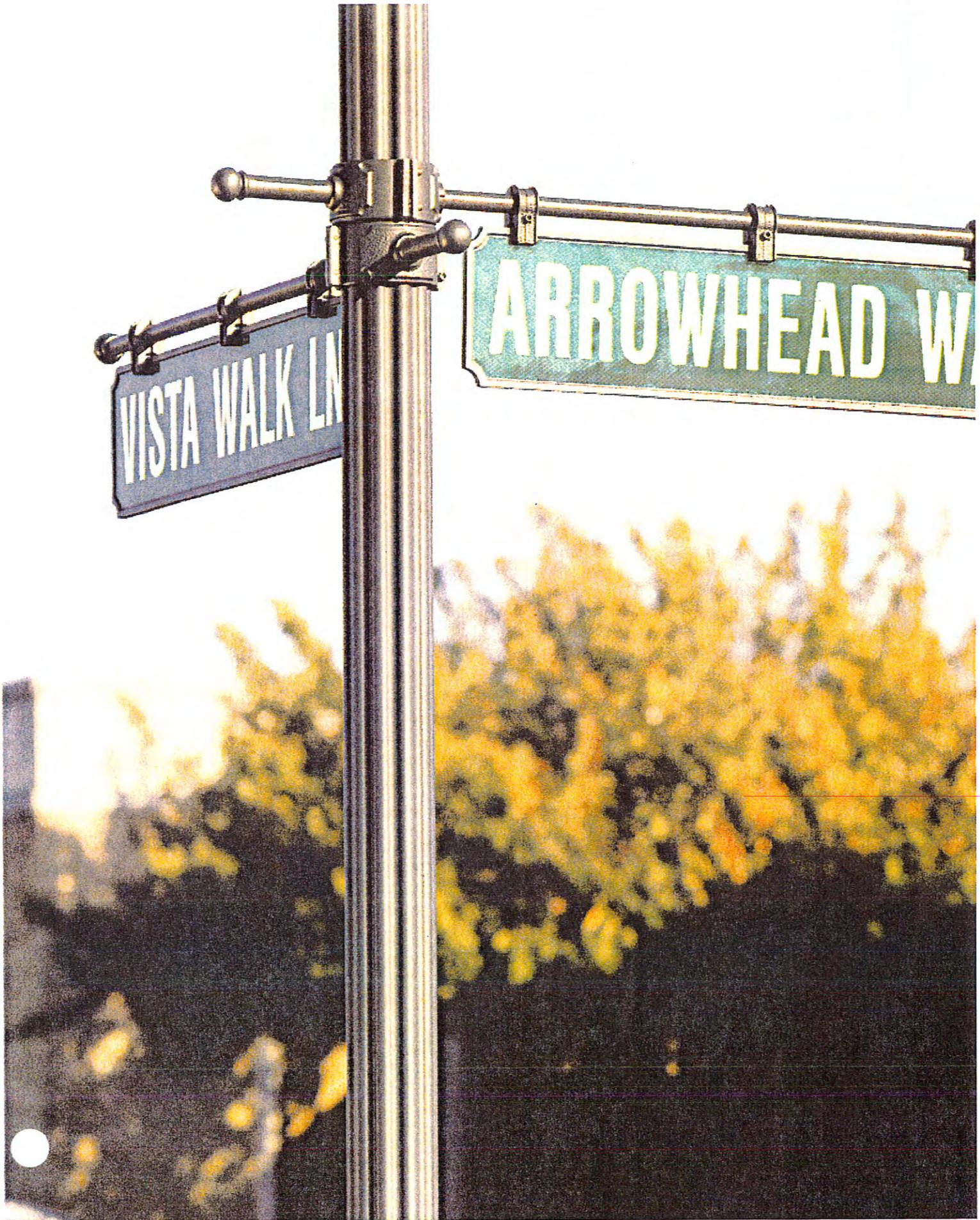
DECORATIVE BASES to fit our or any 2" or 2-1/2" I.D. pipe.
Small 8-1/2" Colonial 27" Fluted 30" (shown w/fluted post)



23" x 6" Madison 4-way

[REQUEST MORE INFORMATION](#)







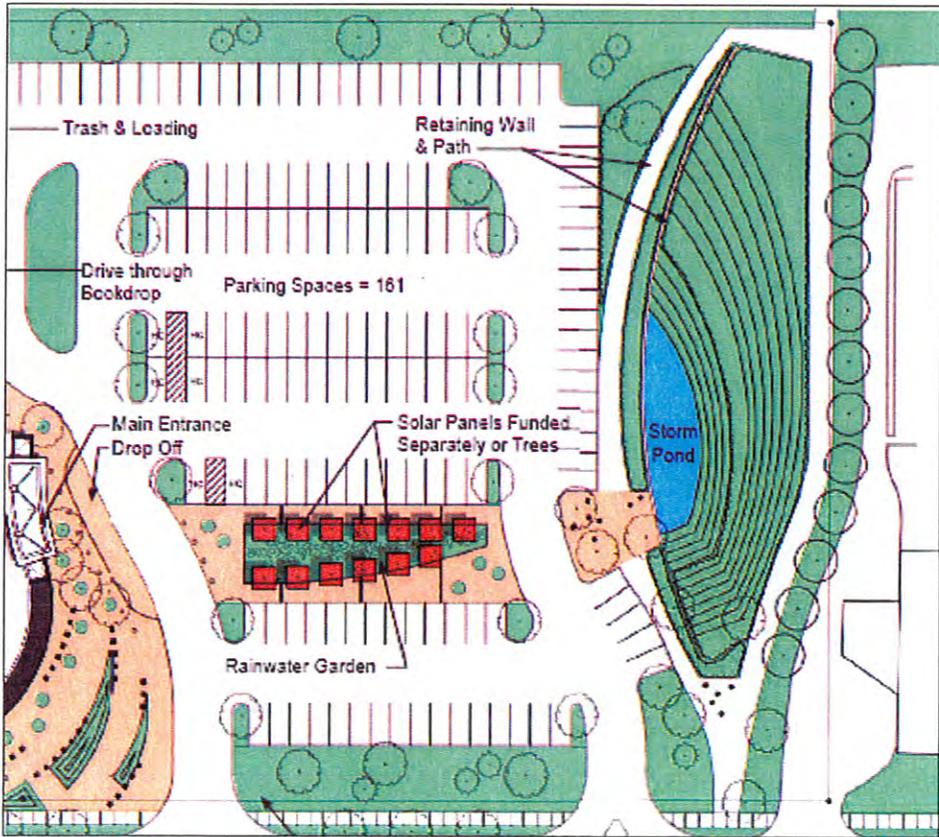


Chapter IX

Storm Water Ponds

A STORM WATER PONDS

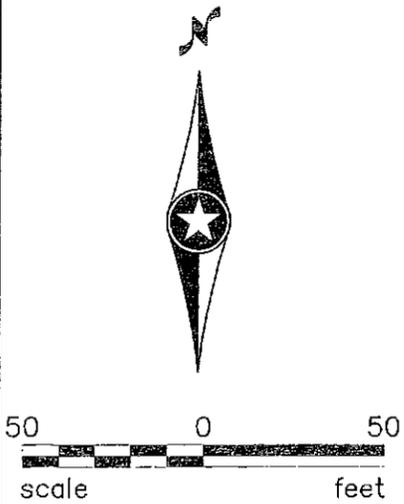
Storm water in parts of City Center is treated in a regional pond located southeast of the US Bank property. Several other sites also share ponding facilities. Most new development or redevelopment will be required to provide ponding on-site. The approved ponding for the new Hennepin County Library is an excellent example of integrating ponding into a site. This pond will be heavily landscaped. As illustrated below, it is integrated with the pedestrian spine. This part of the site is also connected to the library building by a concrete sidewalk that runs through the parking lot.



Chapter X

Street Improvements

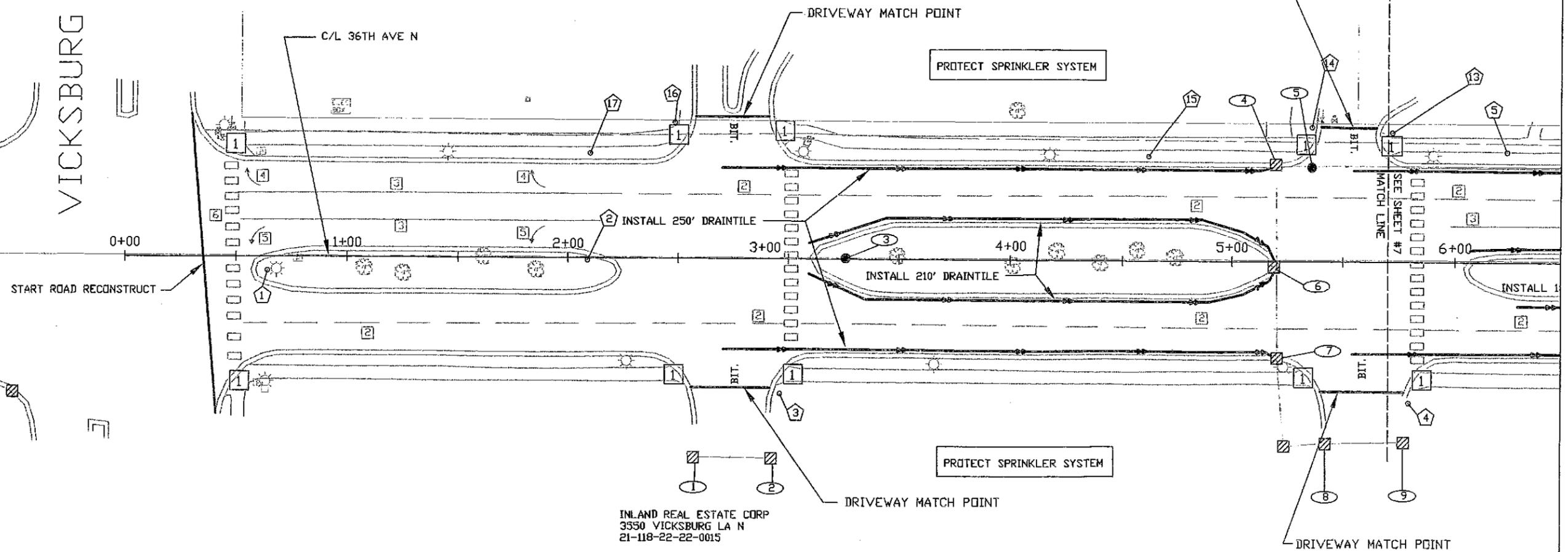
DRAFT



VICKSBURG LA N

HENNEPIN COUNTY
15700 36TH AVE N
16-118-22-33-0004

PLYMOUTH
15650 36TH AVE N
16-118-22-22-0015



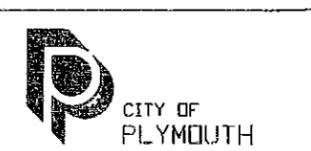
NOTE:
THE EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, WATER, ETC. ARE UNKNOWN. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITIES BEFORE COMMENCING EXCAVATION.

- LEGEND**
- 1 INSTALL PEDESTRIAN RAMP
 - 2 4" SKIP-LINE WHITE
 - 3 4" SOLID LINE-WHITE
 - 4 RIGHT ARROW
 - 5 LEFT ARROW
 - 6 3'X6' CROSSWALK MARKINGS

NO	DATE	BY	CHKD	APPR	REVISION

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: JAMES W. RENNEBERG
Date: 7/15/07 License # 45612

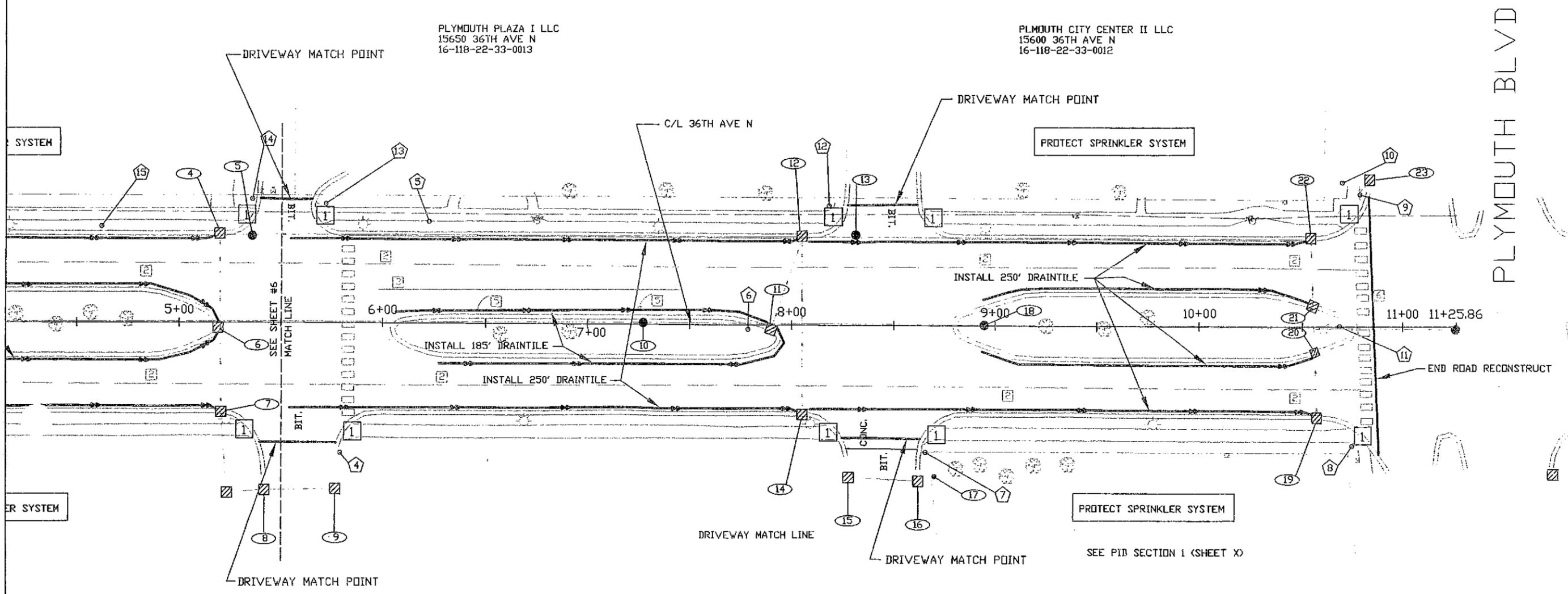


PLYMOUTH, MINNESOTA
2008 STREET RECONSTRUCTION
CITY PROJECT NO. 8104

36TH AVENUE NORTH
BETWEEN PLYMOUTH BLVD
AND VICKSBURG LN

STATE AID PROJ. NO.	DRAWN BY M. PAYNE	DATE 7-07	6 7
DWG NAME 36TH RECON	DESIGNED BY J. RENNEBERG X	CHECKED BY R. BECKWITH X	
	REVIEWED BY		

DRAFT



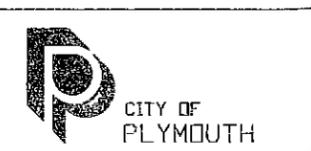
LEGEND

1	INSTALL PEDESTRIAN RAMP
2	4" SKIP-LINE WHITE
3	4" SOLID LINE-WHITE
4	RIGHT ARROW
5	LEFT ARROW
6	3'X6' CROSSWALK MARKINGS

NOTE:
 THE EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, WATER, ETC. ARE UNKNOWN. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITIES BEFORE COMMENCING EXCAVATION.

NO	DATE	BY	CHKD	APPR	REVISION

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
 Signature: JAMES W. PENNERBERG
 Date: X License # 46812



PLYMOUTH, MINNESOTA
 2008 STREET RECONSTRUCTION
 CITY PROJECT NO. 8104

36TH AVENUE NORTH
 BETWEEN PLYMOUTH BLVD
 AND VICKSBURG LN

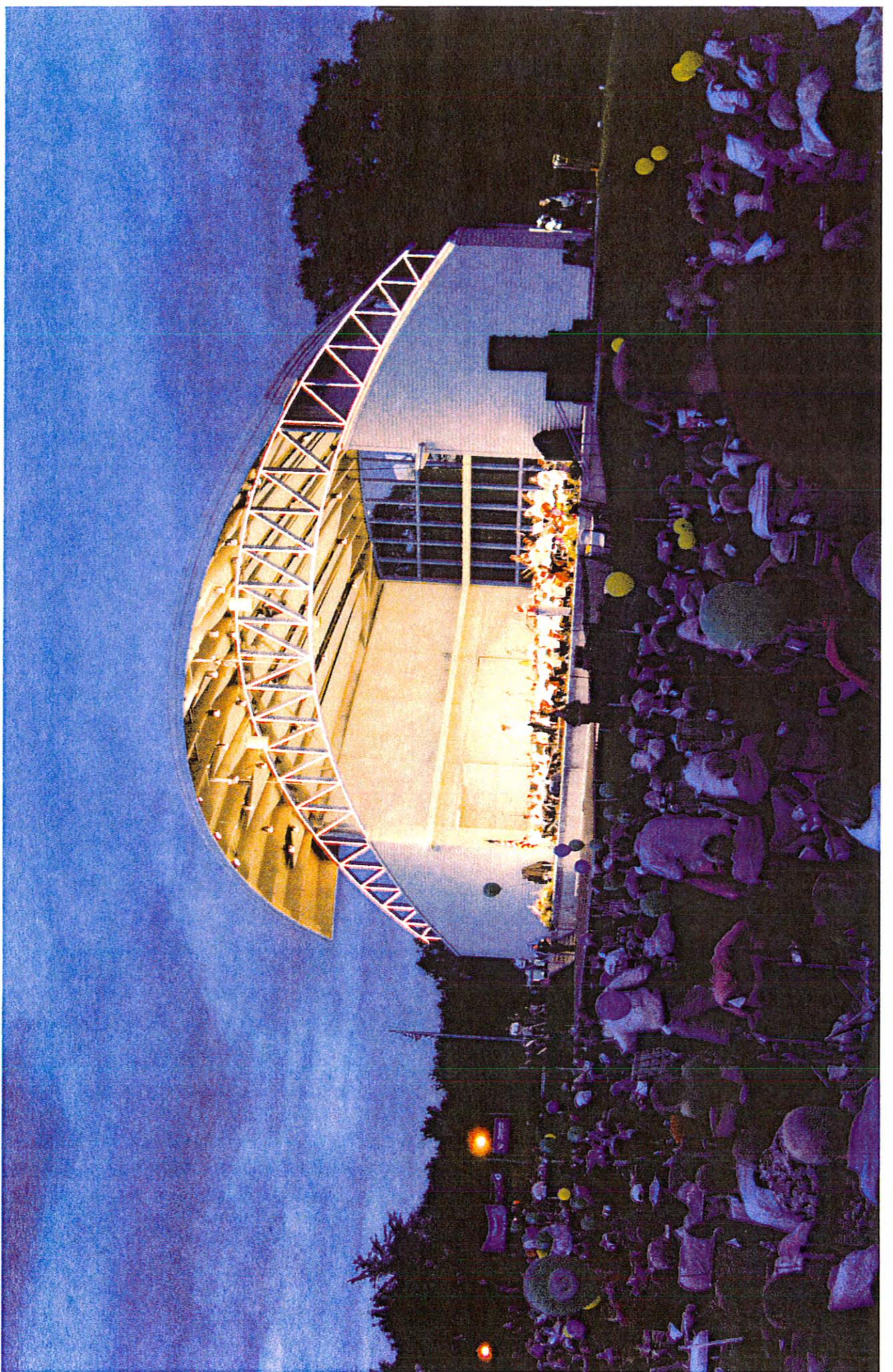
STATE AID PROJ. NO.	DRAWN BY <u>M. PAYNE</u>	DATE <u>7-07</u>
DWG NAME <u>36TH RECON</u>	DESIGNED BY <u>J. RENNEBERG X</u>	CHECKED BY <u>R. BECKWITH X</u>
	REVIEWED BY	

Chapter XI

Hilde Performance Center

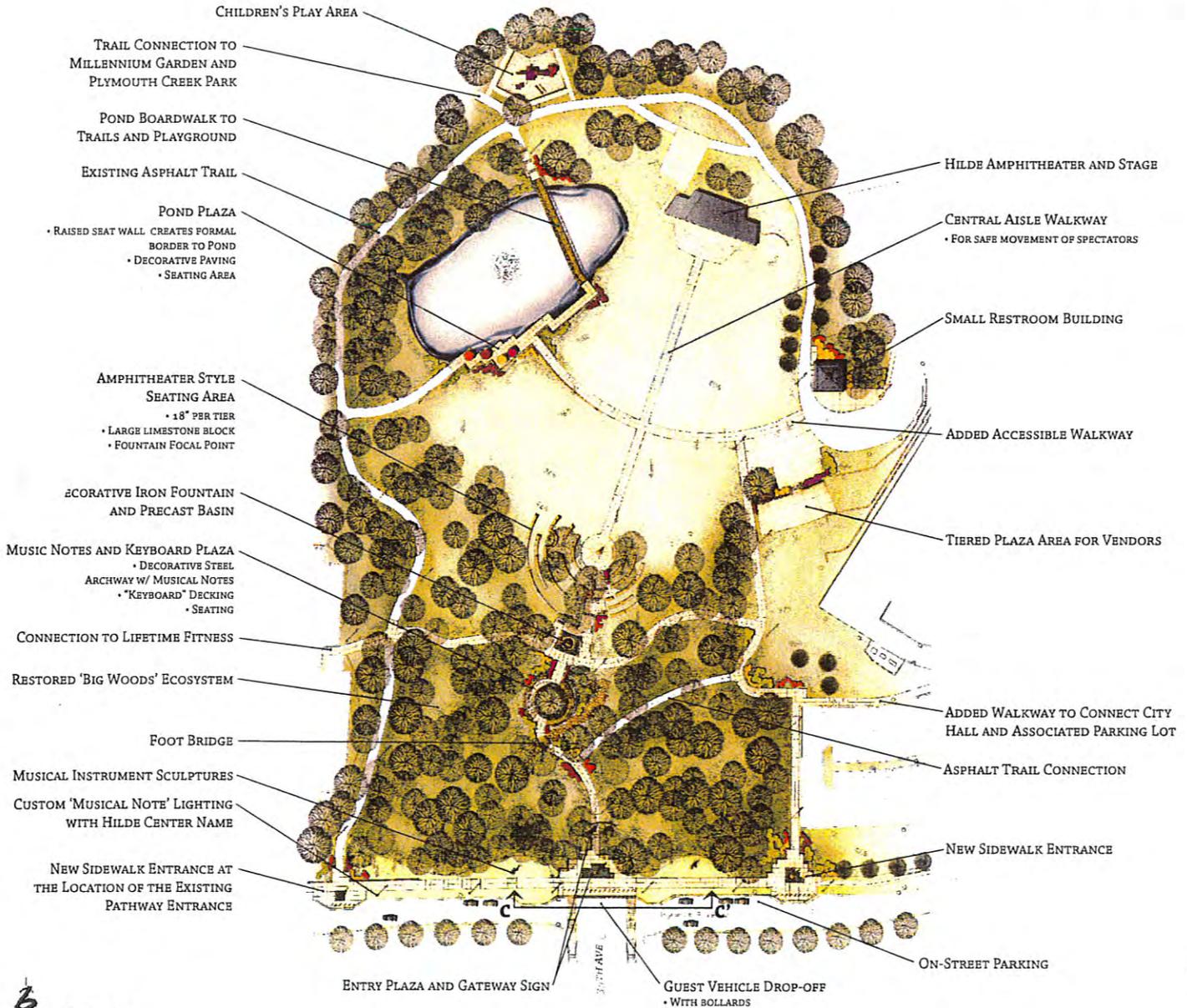
“A Community Gathering Space”





Hilde Performance Center

CITY OF PLYMOUTH, MINNESOTA *Final Concept*



B BRUNER & ASSOCIATES, LTD.
 LAND USE PLANNING AND DESIGN
 PROJECT # 08-004
 APRIL 2008

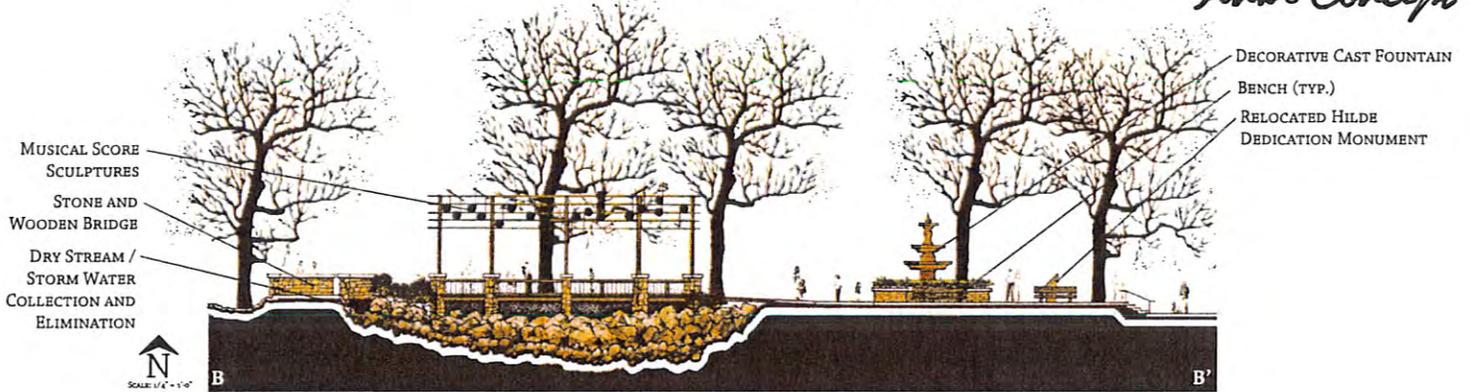
Sheet 2 of 4

N
 SCALE: 1" = 40'-0"

Hilde Performance Center

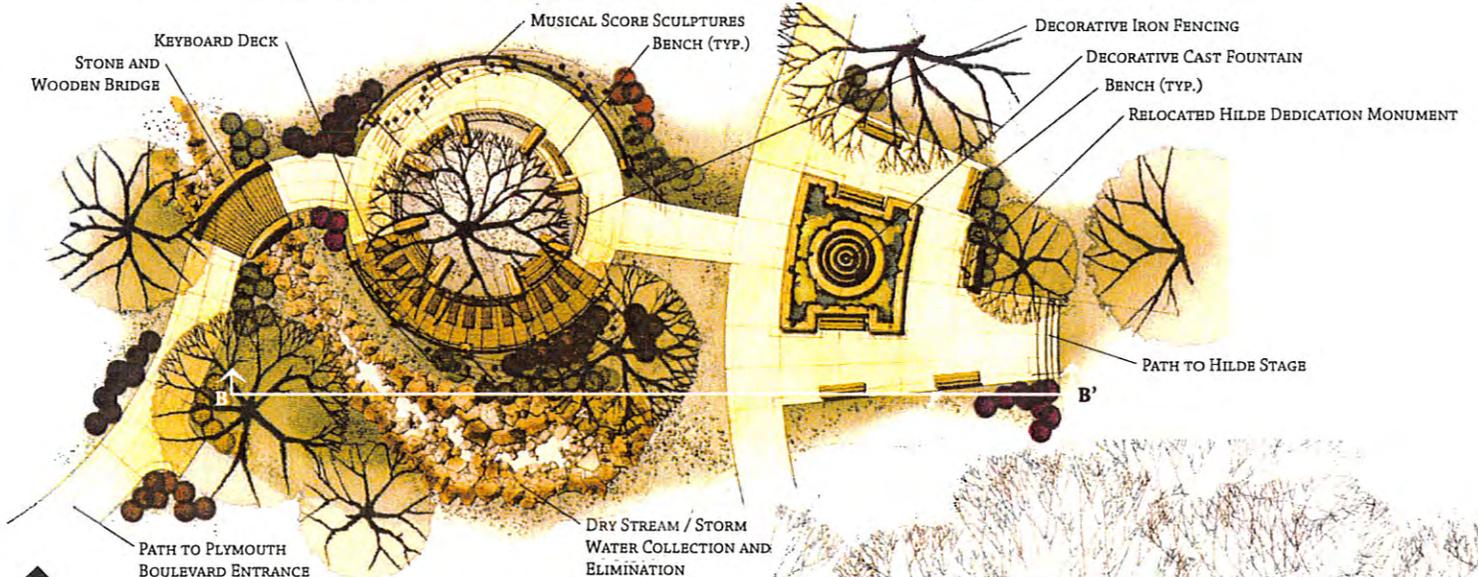
CITY OF PLYMOUTH, MINNESOTA

Final Concept



MUSICAL SCORE
SCULPTURES
STONE AND
WOODEN BRIDGE
DRY STREAM /
STORM WATER
COLLECTION AND
ELIMINATION

DECORATIVE CAST FOUNTAIN
BENCH (TYP.)
RELOCATED HILDE
DEDICATION MONUMENT



KEYBOARD DECK
STONE AND
WOODEN BRIDGE

MUSICAL SCORE SCULPTURES
BENCH (TYP.)

DECORATIVE IRON FENCING
DECORATIVE CAST FOUNTAIN
BENCH (TYP.)
RELOCATED HILDE DEDICATION MONUMENT

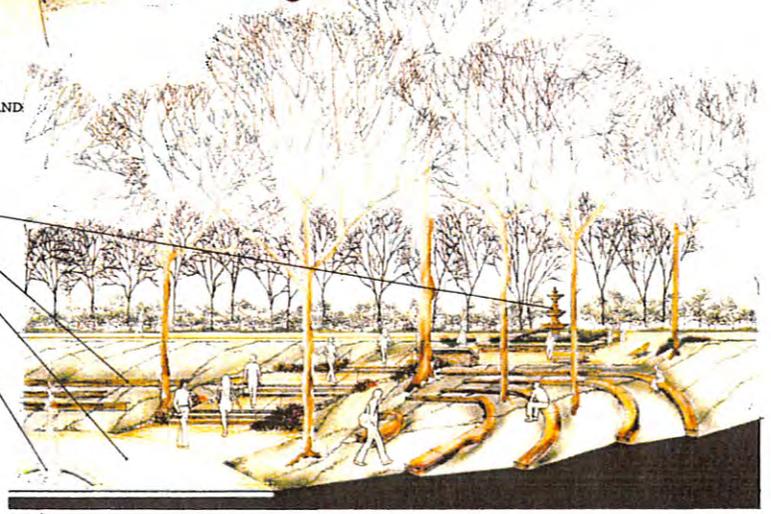
PATH TO PLYMOUTH
BOULEVARD ENTRANCE

DRY STREAM / STORM
WATER COLLECTION AND
ELIMINATION

PATH TO HILDE STAGE

MUSICAL NOTES AND KEYBOARD PLAZA

DECORATIVE CAST FOUNTAIN
STONE SEATING
SMALL PERFORMANCE AREA PAVING
• SMALL INTIMATE PERFORMANCES, DANCES, & WEDDINGS
FOUNTAIN AND POOL
• PROVIDE INTEREST DURING NON-PERFORMANCE TIMES
• COVERING THE POOL WILL PROVIDE A SMALL RAISED
STAGE FOR ACTORS, MUSICIANS, SPEAKERS, ETC.



AMPHITHEATER STYLE SEATING AREA

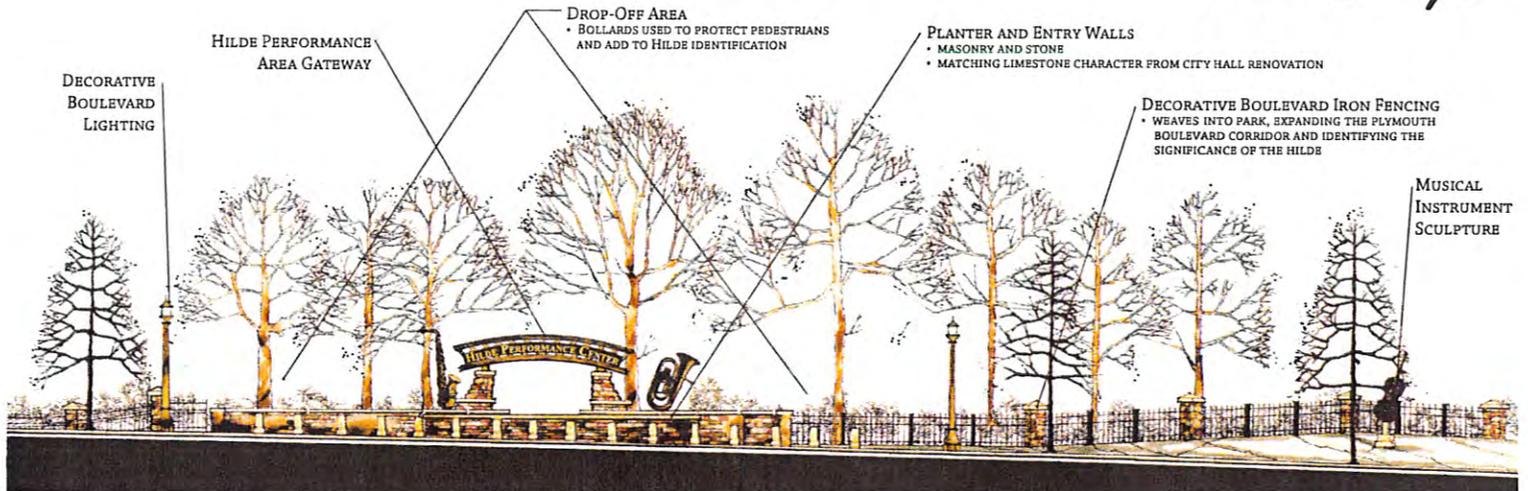
B GRANTER & ASSOCIATES, LTD.
LAND USE PLANNING AND DESIGN
PROJECT # 06-08
APRIL 2008

Sheet 2 of 4

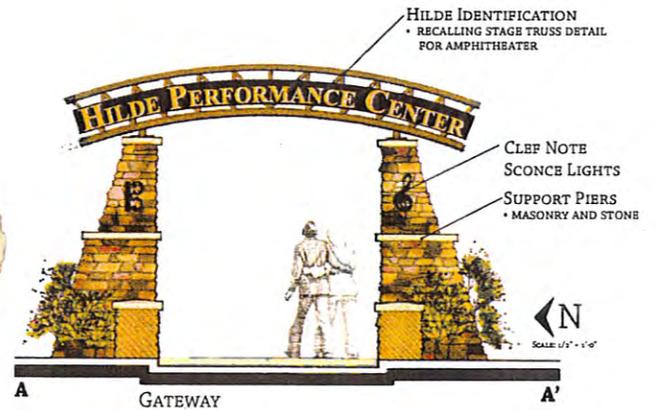
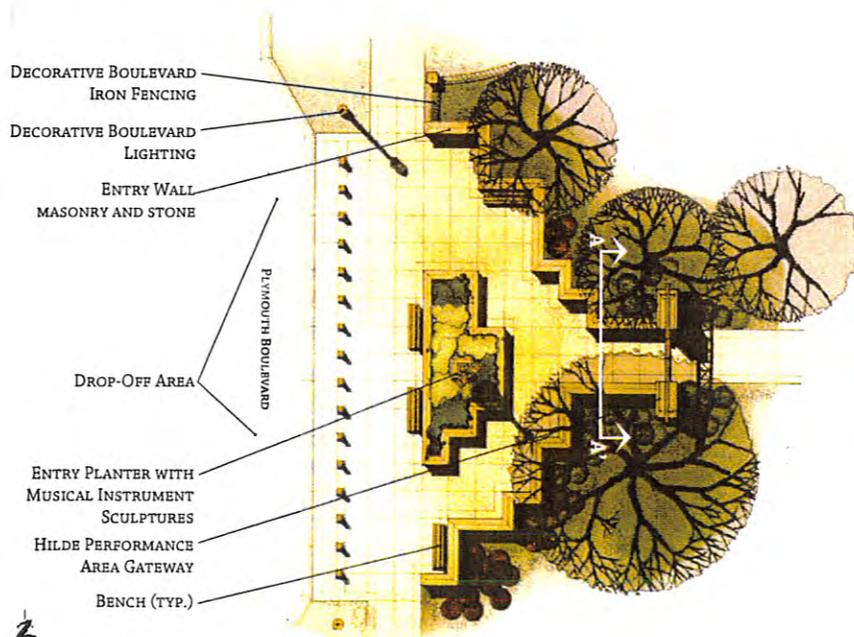
Hilde Performance Center

CITY OF PLYMOUTH, MINNESOTA

Final Concept



N PLYMOUTH BOULEVARD SECTION C - C'
NOT TO SCALE (REFER TO SHEET 1 OF 4)



B BRUNER & ASSOCIATES, LTD.
 LANDSCAPE ARCHITECTS AND DESIGNERS
 PLYMOUTH, MINNESOTA
 APRIL 2008

N ENTRY PLAZA
SCALE: 1/4" = 1'-0"

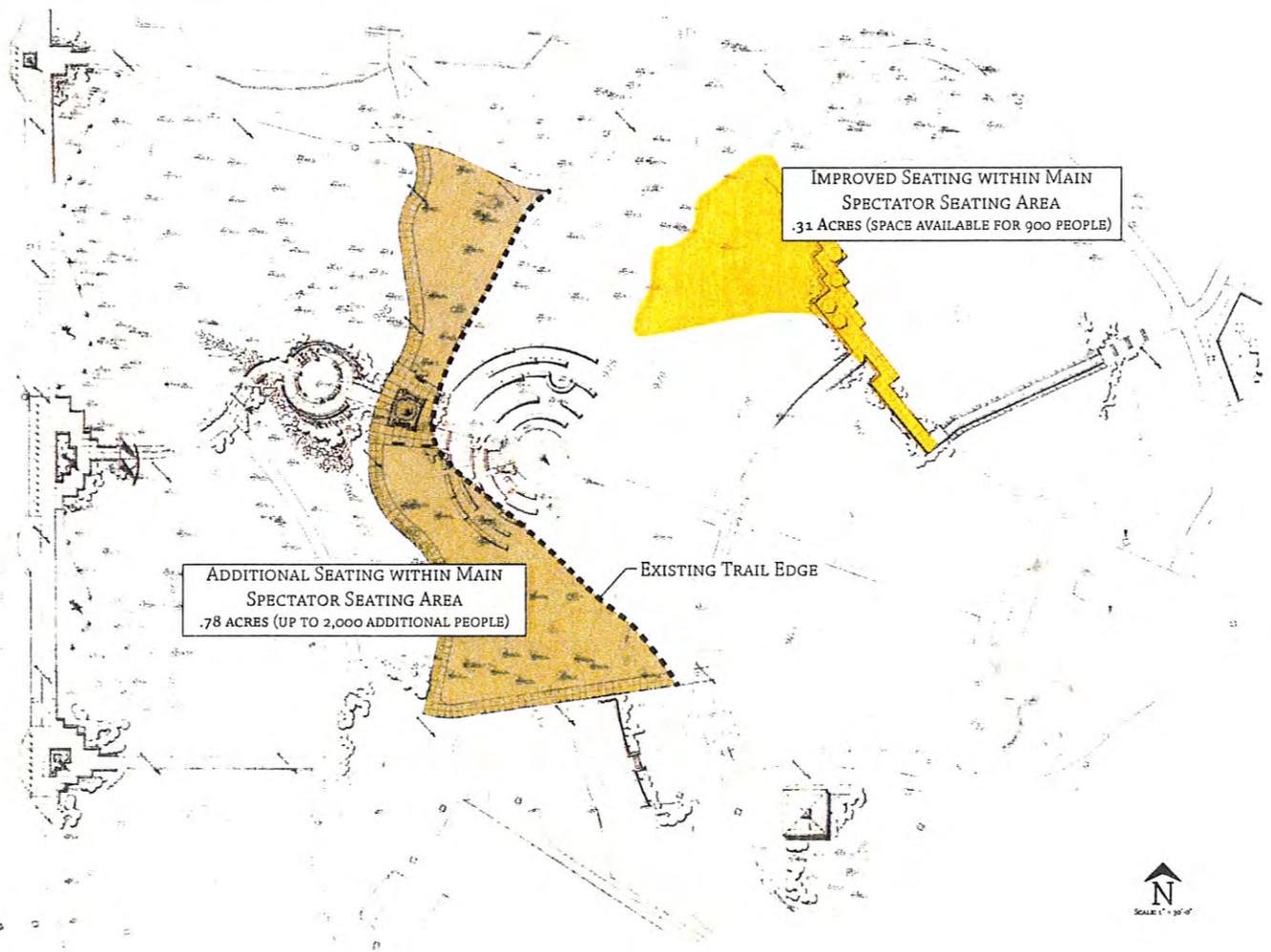
Hille Performance Center

CITY OF PLYMOUTH, MINNESOTA

Final Concept

TREE NOTE:
TOTAL PARK TREES TAGGED OVER 6" DIA. = 499
TOTAL NATIVE TREES TO BE REMOVED 8" DIA. AND OVER = 7

NOTE: CLEAR ALL BOXELDER, BUCKTHORN, AND OTHER INVASIVE SPECIES. SOME OF WHICH ARE UP TO 8" IN DIAMETER.

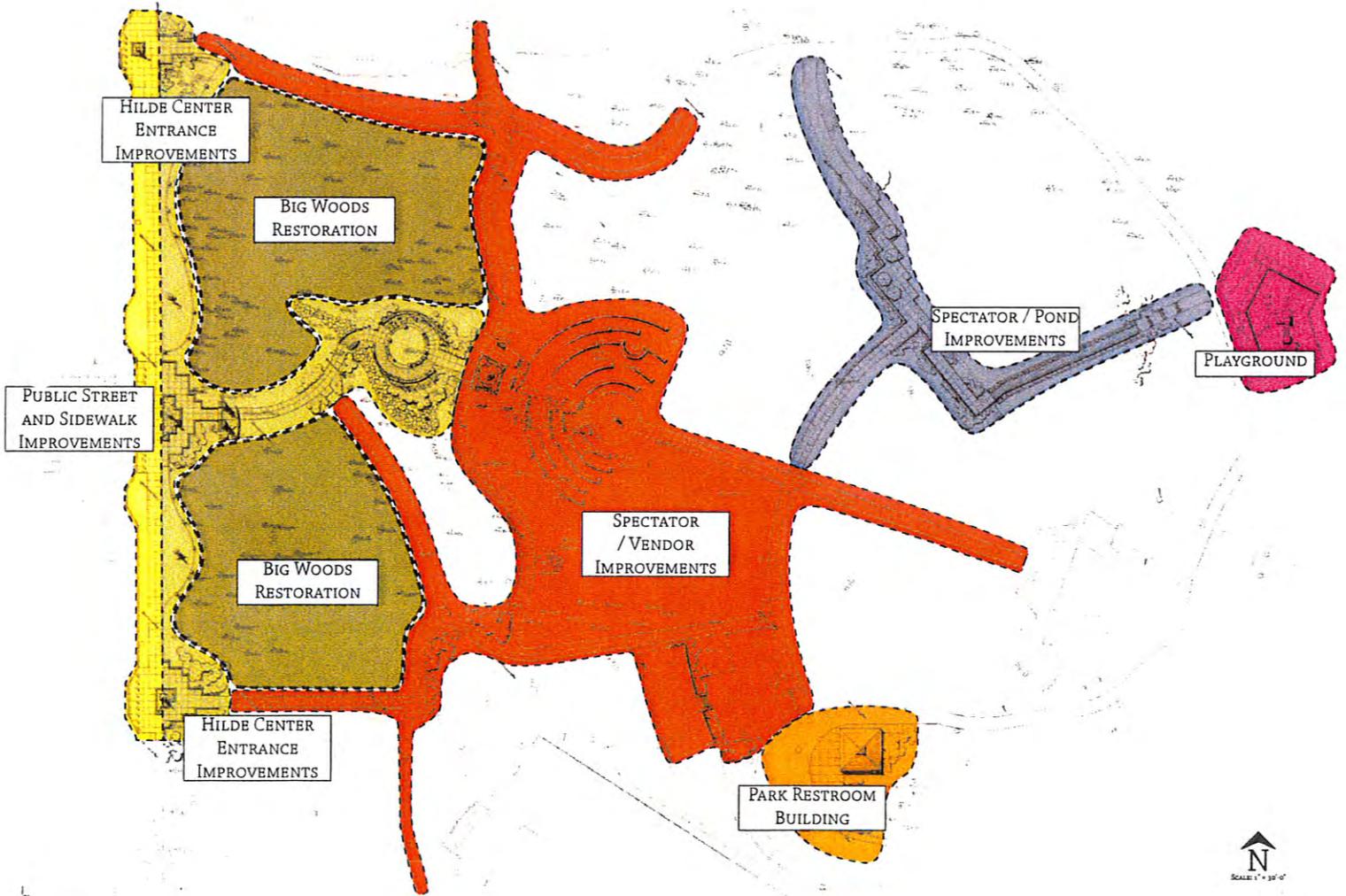


Hilde Performance Center

CITY OF PLYMOUTH, MINNESOTA

Cost Estimate Plan

- PUBLIC STREET AND SIDEWALK IMPROVEMENTS
- HILDE CENTER ENTRANCE IMPROVEMENTS
- BIG WOODS RESTORATION
- SPECTATOR / VENDOR IMPROVEMENTS
- PARK RESTROOM BUILDING
- SPECTATOR / POND IMPROVEMENTS
- PLAYGROUND



Hilde Center Master Plan Cost Estimate
 Final Concept
 27-Apr-08

Costs are based upon current commercial costs for construction.

Item	Description	Unit	Quantity	Unit Price	Total
A	Public Street & Sidewalk Improvements				
A.1.	Specialty Lighting & Electrical				
	Note Standards	ea	7	\$6,000.00	\$42,000
	Specialty Lighting & Electrical	ea	1	\$35,000.00	\$35,000
A.2.	Street Pavement				
	Curbing	lf	300	\$15.00	\$4,500
	Asphalt Patching	sy	200	\$20.00	\$4,000
	Paint Stripeing	ls	1	\$1,000.00	\$1,000
	Curb Removal	lf	300	\$5.00	\$1,500
	Asphalt Removal	sy	200	\$10.00	\$2,000
	Traffic Control	ls	1	\$5,000.00	\$5,000
A.3	Sidewalk Improvements				
	Remove Concrete sidewalk	sf	3250	\$2.00	\$6,500
	Remove Vegetation	ls	1	\$2,000.00	\$2,000
	Grading - (Import and Fine Grading)	ls	1	\$10,000.00	\$10,000
	Concrete Sidewalk (Smooth and Broom)	sf	7950	\$5.00	\$39,750
	Bollards	ea	31	\$3,000.00	\$93,000
	Benches	ea	5	\$2,500.00	\$12,500
A.4	Utility Adjustments	ls	1	\$20,000.00	\$20,000
A.5.	Landscape Improvements				
	Sod	sy	700	\$4.00	\$2,800
	Plantings	ls	1	\$8,000.00	\$8,000
	Irrigation - (boulevard - 700 sf)	ls	1	\$10,000.00	\$10,000
	Subtotal A - Public Street & Sidewalk Imp.				\$299,550