

**APPLICATION FOR
URBAN DESIGN COMMISSION
REVIEW AND APPROVAL**

**AGENDA ITEM # _____
Project # _____**

03198

DATE SUBMITTED: <u>5/31/06</u>	Action Requested
UDC MEETING DATE: <u>6/7/06</u>	<input type="checkbox"/> Informational Presentation
	<input type="checkbox"/> Initial Approval and/or Recommendation
	<input checked="" type="checkbox"/> Final Approval and/or Recommendation

PROJECT ADDRESS: Midtown Commons Dev., Lot 90

ALDERMANIC DISTRICT: _____

OWNER/DEVELOPER (Partners and/or Principals) ARCHITECT/DESIGNER/OR AGENT:
Mr. David Edinger Josh Johnson A.I.A.
Dr. John Silbermager

CONTACT PERSON: Josh Johnson, Kylee Dumbleton
Address: 3 Point Place
Madison, WI 53719
Phone: 833 2321
Fax: 833 7964
E-mail address: Joshj@reuschler.com
Kylee@reuschler.com

- TYPE OF PROJECT:
(See Section A for:)
- Planned Unit Development (PUD)
 - General Development Plan (GDP)
 - Specific Implementation Plan (SIP)
 - Planned Community Development (PCD)
 - General Development Plan (GDP)
 - Specific Implementation Plan (SIP)
 - Planned Residential Development (PRD)
 - New Construction or Exterior Remodeling in an Urban Design District * (A public hearing is required as well as a fee)
 - School, Public Building or Space (Fee may be required)
 - New Construction or Addition to or Remodeling of a Retail, Hotel or Motel Building Exceeding 50,000 Sq. Ft.
 - Planned Commercial Site

(See Section B for:)
 New Construction or Exterior Remodeling in C4 District (Fee required)

(See Section C for:)
 R.P.S.M. Parking Variance (Fee required)

(See Section D for:)
 Comprehensive Design Review* (Fee required)
 Street Graphics Variance* (Fee required)
 Other _____



*Public Hearing Required (Submission Deadline 3 Weeks in Advance of Meeting Date)



Integrating Building Design
and Construction Services

May 31, 2006

Urban Design Commission
City of Madison
215 Martin Luther King Jr. Blvd.
Madison, WI 53701-2985

Re: Letter of Intent – Veterinary Specialty Options
Final Approval Application

Applicant/Owner:

Veterinary Specialty Options
225 West Beltline Highway
Madison, WI 53713
Tel: (608) 661-0090

Dr. David Edinger
Dr. John Silbernagel
Dr. Bruce Jens

Design Team:

Architecture:

The Renschler Company
Three Point Place
Madison, WI 53719-2848
Tel: (608) 833-2321
Fax: (608) 833-7964
joshj@renschler.com
kyled@renschler.com

Josh Johnson, AIA
Kyle Dumbleton

Civil Engineering:

Calkins Engineering
5010 Voges Road
Madison, WI 53718
Tel: (608) 838-0444 x226
Fax: (608) 838-0445
jsanger@calkinsengineering.com

Jason Sanger

Landscape Architecture:

Ziegler Design Associates
4697 Capital View Road
Middleton, WI 53562
Tel: (608) 831-5098
Fax: (608) 831-9071
mlgabler@yahoo.com

Steve Ziegler
MaraLee Gabler

Development Information:

The proposed project is within Midtown Commons development. Lot 90.

Project Narrative:

Freestanding two story small animal hospital of approximately 23,000 gross square feet and 10,300 net square feet. The facilities functional program consists of reception and administrative space, exam rooms and DVM workstations, diagnostic spaces, treatment and surgery spaces, ICU and recovery cages, office space, short-term animal housing and expansion space for multi-specialty veterinary practice. The specialty practice will have hours of operation between 7:00am and 6:00pm Monday through Friday. The emergency service will be open 2 hours a day, seven days per week. During daytime business hours there will be approximately 25-30 employees and 4-5 employees at other times. Patient volume during daytime business hours is anticipated to be around 25-30 per day and overnight volume will be more variable between 5-20 per day. To accommodate the staff and customer needs, 59 parking spaces are planned.

As part of the project's sustainable and LEED Certification goals, the designs of the four sides of the building uniquely respond to the differing sun and wind patterns presented by the four geographic quadrants. Introduction of natural light to the building's internal spaces, along with careful selection of interior finishes and building systems enhances the quality of the work environment and promotes a sense of healing and wellbeing. The parking spaces are provided as part of a site development that incorporates alternative storm water management techniques such as bio-swales, rain gardens and infiltration basins planted with native plant species.

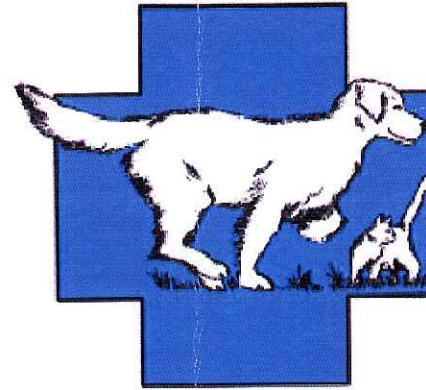
The project has been planned for the anticipated future needs of a Phase II, which would add a two story structure to the north and west of the proposed building; it would be similar in form and architecture. To accommodate additional parking, a lot will be constructed to the north of the shared access drive.

Narrative by Steven A. Kieckhafer, AIA

Project Schedule:

Planning and design, May – June 2006
Approval process, June 2006
Documents, June – July 2006
Construction, July 2006

VETERINARY SPECIALTY OPTIONS, INC.



Mid Town Road & Waldorf Drive

Madison, Wisconsin.

PROPOSED BUILDING

Project Number: 06-0664

Renschler

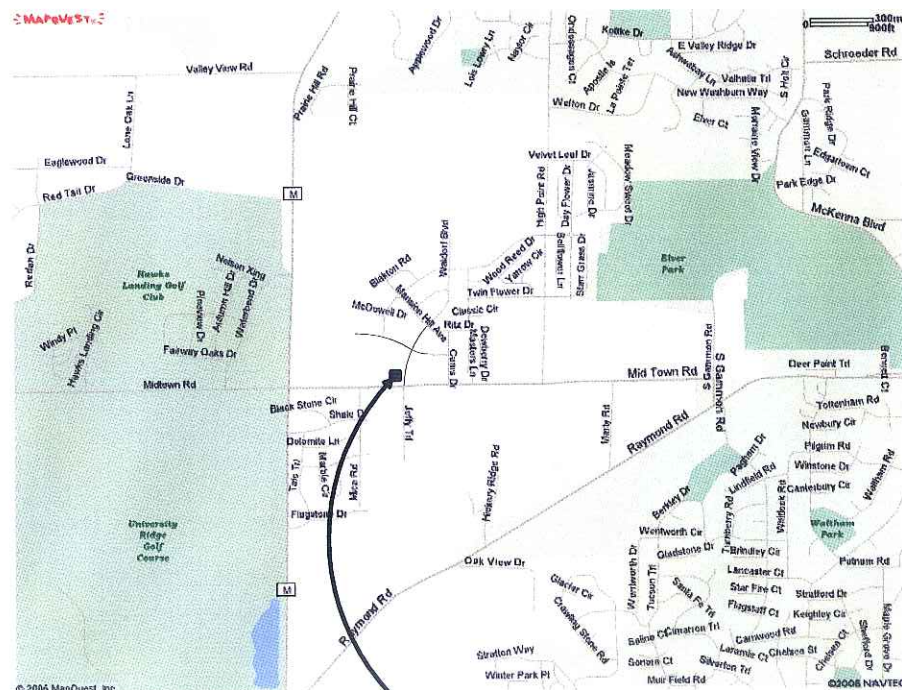


The Renschler Company, Inc.
Three Point Place
phone: 608-833-2321

Madison, Wisconsin 53719-2810
fax: 608-8337964

Integrating Building Design and Construction Services

Project Location Map



Project
Location

Drawing Index

- 000 TITLE SHEET
 - C1.1 OVERALL SITE MAP
 - C1.2 SITE PLAN
 - C1.3 GRADING, EROSION CONTROL, AND UTILITY PLAN
 - C1.4 SITE LIGHTING PLAN
 - LS1 LANDSCAPE PLAN
 - A1.0 BASEMENT FLOOR PLAN
 - A1.1 FIRST FLOOR PLAN
 - A1.2 SECOND FLOOR PLAN
 - A2.0 EXTERIOR ELEVATIONS
- SOUTHEAST PERSPECTIVE
ENTRY PERSPECTIVE

Project Team

Civil Engineer

Calkins Engineering, LLC

Phone: 608-838-0444
Fax: 608-838-0445

Landscape Design

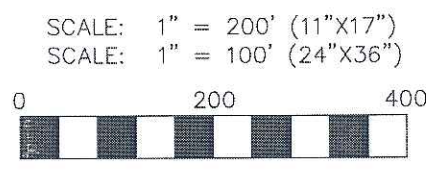
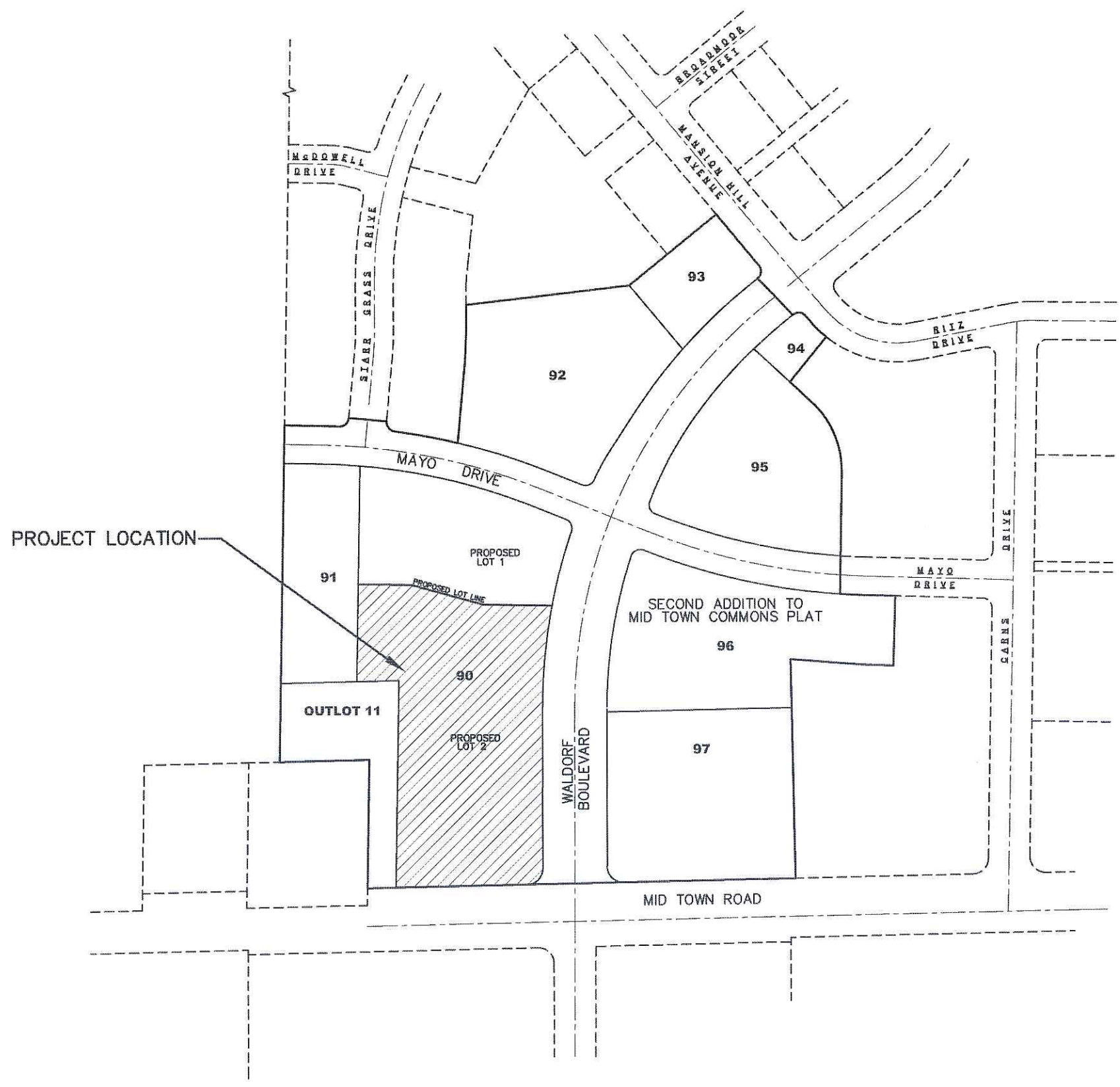
Ziegler Design Associates

Phone: 608-831-5098
Fax: 608-831-9071

Electrical Engineering

Czarniecki Engineering, Inc.

Phone: 262-691-1010
Fax: 262-691-7334



Calkins Engineering, LLC
 5010 Voght Road
 Madison, WI 53718
 (608) 838-0444

DATE: 05-31-06

REVISIONS:

VETERINARY SPECIALTY OPTIONS
 OVERALL SITE MAP

DRAWING NAME: P:\REN01\DESIGN\LOCATIONMAP.DWG

FN: REN01

Calkins Engineering, LLC
 Civil Engineers & Land Surveyors

EXISTING UNIT BUILDING
 COND. FLOOR=260.57
 1ST FLOOR=250.25
 BASEMENT=240.25

LOT 91

LOT 90

LOT 92

LOT 93

LOT 94

LOT 95

LOT 96

LOT 97

LOT 98

LOT 99

LOT 100

LOT 101

PROPOSED LOT 1

LOT 90

PROPOSED LOT 2

LOT 96

LOT 97

MID TOWN ROAD

WALDORF BOULEVARD

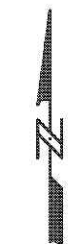
VETERINARY SPECIALTY OPTIONS
 FFE=230.00

BIORETENTION BASIN
 CLASS 2007
 SEE DETAIL

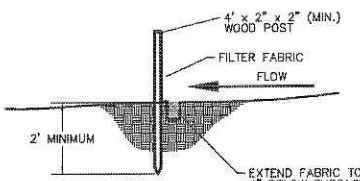
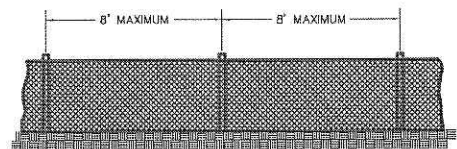
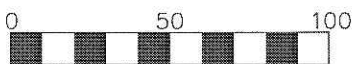
STORM SEWER CROSSING
 SHALL BE BACKFILLED
 WITH SLURRY MIX
 40" INVERT OF 29'x45"
 PIPE SHALL BE FIELD VERIFIED
 PRIOR TO 12" PIPE INSTALLATION

EXISTING CROSS ACCESS
 EASEMENT LINE
 (TO BE VACATED)

EXISTING CROSS ACCESS
 EASEMENT LINE
 (TO BE VACATED)

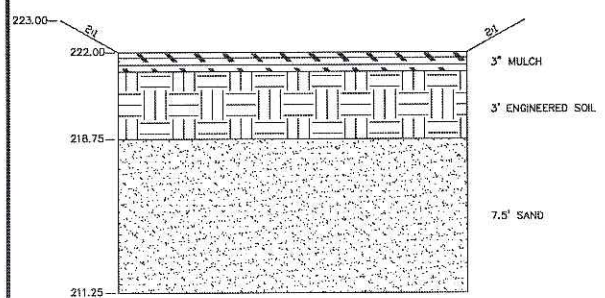


SCALE: 1" = 60' (11"X17")
 SCALE: 1" = 30' (24"X36")

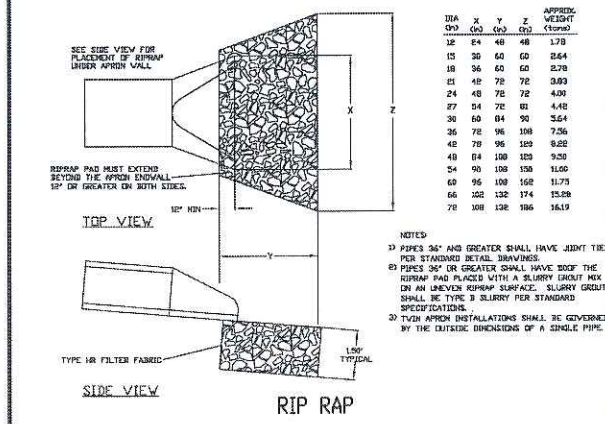


SILT FENCE CONSTRUCTION

STONE CONSTRUCTION ENTRANCE



BIORETENTION BASIN SOIL STRUCTURE CROSS SECTION



EROSION CONTROL SCHEDULE:

EROSION CONTROL INSTALLED: JULY 1, 2006
 BEGIN GRADING: JULY 1, 2006
 GRAVEL BASE COURSE INSTALLED
 IN DRIVEWAY AND PARKING LOT: OCTOBER 15, 2006
 NOTE: AN EROSION CONTROL PERMIT EXTENSION NEEDS
 TO BE FILED WITH THE CITY OF MADISON ENGINEERING
 DEPARTMENT PRIOR TO THE GRAVEL BASE COURSE
 INSTALLATION DATE INDICATED ABOVE IF THIS DATE WILL
 NOT BE MET. CONTRACTOR SHALL NOTIFY ENGINEER IF
 AN EXTENSION IS NECESSARY.

- LEGEND:**
- [Symbol] = STORM SEWER
 - [Symbol] = STONE CONSTRUCTION ENTRANCE
 - [Symbol] = BIORETENTION BASIN
 - [Symbol] x1000.00 = PROPOSED SIDEWALK GRADE
 - [Symbol] x1000.00 = PROPOSED PAVEMENT GRADE
 - [Symbol] x1000.00 = EXISTING SPOT GRADE

GENERAL NOTES:
 STONE CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY GRADING OPERATIONS AND MAINTAINED UNTIL GRAVEL BASE COURSE IS INSTALLED.

SILT FENCE SHALL BE INSTALLED ON THE LOW SIDE OF THE SITE ALONG MIDTOWN ROAD RIGHT OF WAY AND THE WEST PROPERTY LINE PRIOR TO ANY GRADING OPERATIONS. SILT FENCE SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PHASE OF THIS PROJECT.

TRACKED MATERIAL TO ADJACENT STREETS SHALL BE COLLECTED AT THE END OF EACH WORK DAY OR AS DIRECTED BY THE CITY.

CONTRACTOR SHALL PERFORM EROSION CONTROL INSPECTIONS WEEKLY AND AFTER EVERY RAINFALL EVENT EXCEEDING 0.5" DURING CONSTRUCTION.

INLET SEDIMENTATION FILTERS SHALL BE INSTALLED AT ALL INLET LOCATIONS, AND ADJACENT DOWNSTREAM INLETS.

ALL WORK WITHIN CITY RIGHT OF WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR.

CONTRACTOR SHALL OBTAIN A STREET EXCAVATION PERMIT PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL OBTAIN ALL NECESSARY SEWER CONNECTION PERMITS AND SEWER PLUGGING PERMITS PRIOR TO CONSTRUCTION.

ALL SANITARY SEWER, WATER MAIN, AND STORM SEWER SHALL BE CONSTRUCTED PER THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

CONTRACTOR SHALL FIELD VERIFY THE SIZE, TYPE, LOCATION, AND ELEVATION OF EXISTING UTILITIES.

PRIVATE STORM SEWER SHALL BE ADS N-12.

PRIVATE WATER MAIN AND SERVICES SHALL BE DUCTILE IRON (AWWA C-151)-CLASS 52).

PRIVATE SANITARY SEWER AND LATERALS SHALL BE PVC (ASTM D3034-SDR35).

PUBLIC SIDEWALK AT DRIVEWAY LOCATIONS SHALL BE 7" THICK.

BUILDING PLUMBER SHALL VERIFY SIZE, SLOPE, AND EXACT LOCATION OF PROPOSED SANITARY LATERALS AND WATER SERVICES PRIOR TO INSTALLATION.

PUMPING OF WATER FROM FOUNDATION AREA DURING CONSTRUCTION SHALL NOT EXCEED A RATE OF 70 GALLONS PER MINUTE. SUMP PUMP SHALL BE PLACED ON A CLEAR STONE BEDDING AND A CLOTH/MESH SOCK SHALL BE PLACED ON THE OUTLET END OF THE PIPE TO CONTROL SEDIMENT LOSS.

DEVELOPER SHALL REPAIR/REPLACE ANY SIDEWALK, CURB, OR PAVEMENT DAMAGED DURING CONSTRUCTION OR AS DEEMED NECESSARY BY THE CITY ENGINEER.

CONTOURS AND SPOT GRADES ASSOCIATED WITH LOT 91 CONSTRUCTION ARE PROPOSED AND HAVE NOT BEEN FIELD VERIFIED.

BIORETENTION BASIN SHALL BE CONSTRUCTED AFTER PARKING LOT GRAVEL BASE COURSE INSTALLATION TO PREVENT IT FROM CLOGGING WITH SEDIMENT.

ROOTSTOCK AND PLUGS SHALL BE USED TO ESTABLISH WATER TOLERANT VEGETATION IN BIORETENTION BASINS AS SPECIFIED IN THE PLANTING PLAN.

GRASS AREAS SHALL RECEIVE FERTILIZER, SEED, AND MULCH WITHIN 7 DAYS OF COMPLETION OF GRADING. SEED SHALL BE MIXTURE 40 IN ACCORDANCE WITH SECTION 630 OF DOT SPECIFICATIONS AND SHALL BE APPLIED AT A RATE OF 3 POUNDS PER 1,000 SQUARE FEET. FERTILIZER SHALL MEET THE REQUIREMENTS THAT FOLLOW: NITROGEN, NOT LESS THAN 16%, PHOSPHORIC ACID, NOT LESS THAN 0%, POTASH, NOT LESS THAN 8%. FERTILIZER SHALL BE APPLIED AT A RATE OF 7 POUNDS PER 1,000 SQUARE FEET. MULCHING SHALL CONSIST OF STRAW AT A RATE OF 1.5 TONS PER ACRE.

TO OBTAIN LOCATION OF PARTICIPANT'S UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
 1-800-242-8511
 TOLL FREE
 WS. STATUTE 182.0175 (1974)
 REQUIRES MIN. OF 3 WORK DAYS
 NOTICE BEFORE YOU EXCAVATE.

SILT FENCE SHALL BE INSTALLED ALONG WEST PROPERTY LINE PRIOR TO COMMENCING GRADING OPERATIONS

BIORETENTION BASIN SHALL BE USED AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION. THE TOP OF THE BASIN SHALL BE THE 80% CONTOUR AS INDICATED. THE BOTTOM OF THE BASIN SHALL BE CONSTRUCTED TO AN ELEVATION OF 208.25 DURING CONSTRUCTION AT 4% SLOPES DOWN FROM THE TOP CONTOUR. THE BASIN SHALL HAVE A TEMPORARY 3" OUTLET PIPE WITH AN INLET INVERT ELEVATION OF 208.25 DURING CONSTRUCTION. THE BIORETENTION BASIN SOIL STRUCTURE AND STORM SEWER OUTLET (P-3) SHALL THEN BE INSTALLED AFTER INSTALLATION OF THE GRAVEL BASE COURSE IN THE PARKING LOT.

STORM SEWER CROSSING SHALL BE BACKFILLED WITH SLURRY MIX 40" INVERT OF 29'x45" PIPE SHALL BE FIELD VERIFIED PRIOR TO 12" PIPE INSTALLATION

EXISTING CROSS ACCESS EASEMENT LINE (TO BE VACATED)

Calkins Engineering, LLC
 5010 Voges Road
 Madison, WI 53718
 (608) 638-0444

DATE: 05-31-06
 REVISIONS:

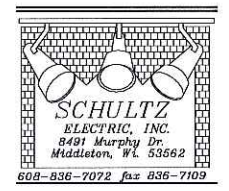
VETERINARY SPECIALTY OPTIONS
 GRADING, EROSION CONTROL, AND UTILITY PLAN

Calkins Engineering, LLC
 Civil Engineers & Land Surveyors

C1.3

Three Point Place
Madison, WI 53719
608-833-8331
608-833-7984 Fax

CONSULTANTS



PROJECT
VETERINARY SPECIALTY OPTIONS, INC.

MADISON, WI.

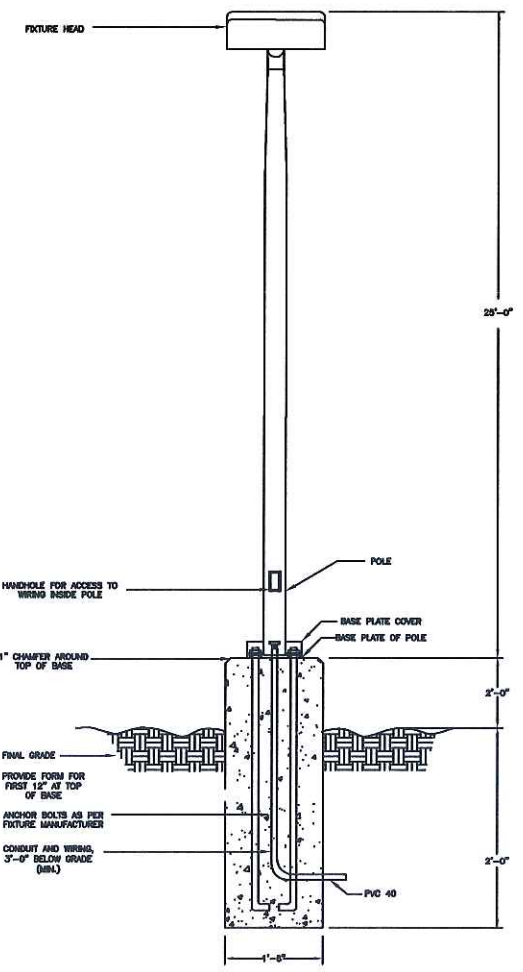
ISSUED
5-24-08 SCHEMATIC DESIGN

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PROJECT NUMBER 60657

SITE LIGHTING PLAN

C1.4



2 POLE BASE DETAIL
SCALE: NA



1 ELECTRICAL SITE LIGHTING PLAN
SCALE: 1"=20'



LIGHTING FIXTURE SCHEDULE													
TYPE	LIGHTING FIXTURE				MOUNTING	CEILING TYPE	LENS	VOLT	LAMP DATA				NOTES
	DESCRIPTION	MANUFACTURER	CATALOG NO.	NO.					WATT	TYPE	MANUFACTURER	CATALOG NO.	
OA	SINGLE HEAD PARKING LOT FIXTURE	LITHONIA	KSF2-175M-RSS-208-SP04-LF1	POLE	NA	GLASS	208V	1	175W	MH	NA	NA	LAMP INCLUDED WITH FIXTURE

Planting Schedule for Veterinary Specialty Options
As per Landscape Plan 5-31-08
Ziegler Design Associates

Deciduous Trees	
Sym/Qty	Name, size, root condition
Ac	4 Acer saccharum, Sugar Maple, 2" caliper, B&B
Am	5 Amelanchier laevis, Allegheny Serviceberry, 6" Cl, B&B
Ba	4 Betula papyrifera, White Birch, 6-8" Cl, B&B
Ca	3 Carpinus caroliniana, American Hornbeam, 5" Cl, B&B
Ce	2 Celtis occidentalis, Hackberry, 2" cal, B&B
Cf	3 Fraxinus crux-galli, Cockspur Hawthorn, 6" Cl, B&B
Fr	2 Fraxinus americana, White Ash, 2" cal, B&B
Gv	4 Gynozoides dioicus, Kentucky Coffee tree, 2" cal, B&B
Ma	4 Malus sp., "Ionis" Malus Crabapple, 2" cal, B&B
Os	2 Ostrya virginiana, Ironwood, 1 1/4" cal, B&B
Pa	8 Prunus americana, American Plum, 5" CONT
Po	15 Populus tremuloides, Quaking Aspen, 6" B&B
Qu	2 Quercus bicolor, Swamp White Oak, 2" cal, B&B

Deciduous Shrubs	
Sym/Qty	Name, size, root condition
sp	6 Corylaeobis occidentalis, Buttonbush, 24" POT
gn	11 Cornus racemosa, Gray Dogwood, 24" POT
ju	19 Cornus sericea, Red Dogwood, 24" POT
gy	23 Corylus americana, Hazelnut, 24" CONT
di	12 Diervilla lonicera, Dwf. Bush Honeysuckle, 15-18" POT
au	6 Euonymus alatus, Dwarf. Bush Honeysuckle, 24" B&B
lv	15 Hypericum kalifornicum, Kalm's St. Johnwort, 24" POT
ro	13 Ilex verticillata, Winterberry, 18-24" POT
sa	20 Rosa virginiana, Virginia Rose, 18" POT
sa	6 Sambucus canadensis, Elderberry, 24" POT
vp	3 Viburnum punctatum, Blackhaw Viburnum, 4" B&B

Evergreen Trees	
Sym/Qty	Name, size, root condition
Ab	5 Abies balsamea, Balsam Fir, 5" B&B
Ju	7 Juniperus virginiana, Eastern Red Cedar, 4" B&B
La	4 Larix laricina, American Larch, 6" B&B
Pl	3 Pinus strobus, White Spruce, 5" B&B
Pl	2 Pinus resinosa, Red Pine, 5" B&B
Pa	7 Pinus strobus, White Pine, 5" B&B

Evergreen Shrubs	
Sym/Qty	Name, size, root condition
lc	8 Juniperus communis, Gray Owl Juniper, 15-18" CONT

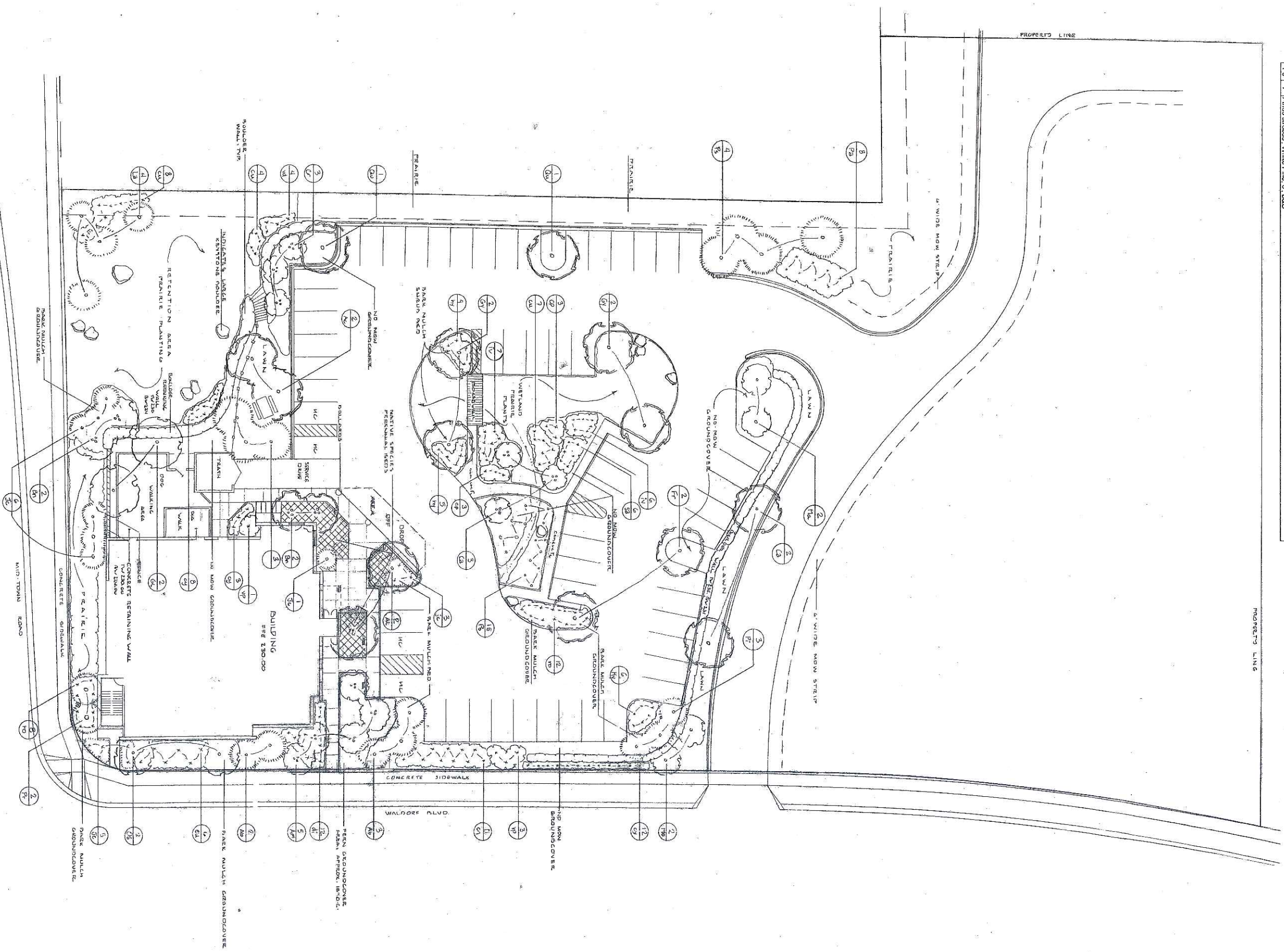
VETERINARY SPECIALTY OPTIONS
Landscape Planting Plan
Midtown Road and Waldorf Blvd., Madison, WI

ZIEGLER DESIGN ASSOCIATES
4887 Capitol View Road
Madison, WI 53702
608.331.3098
Drawn by: SZ/M/G/AEP 5-31-08

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



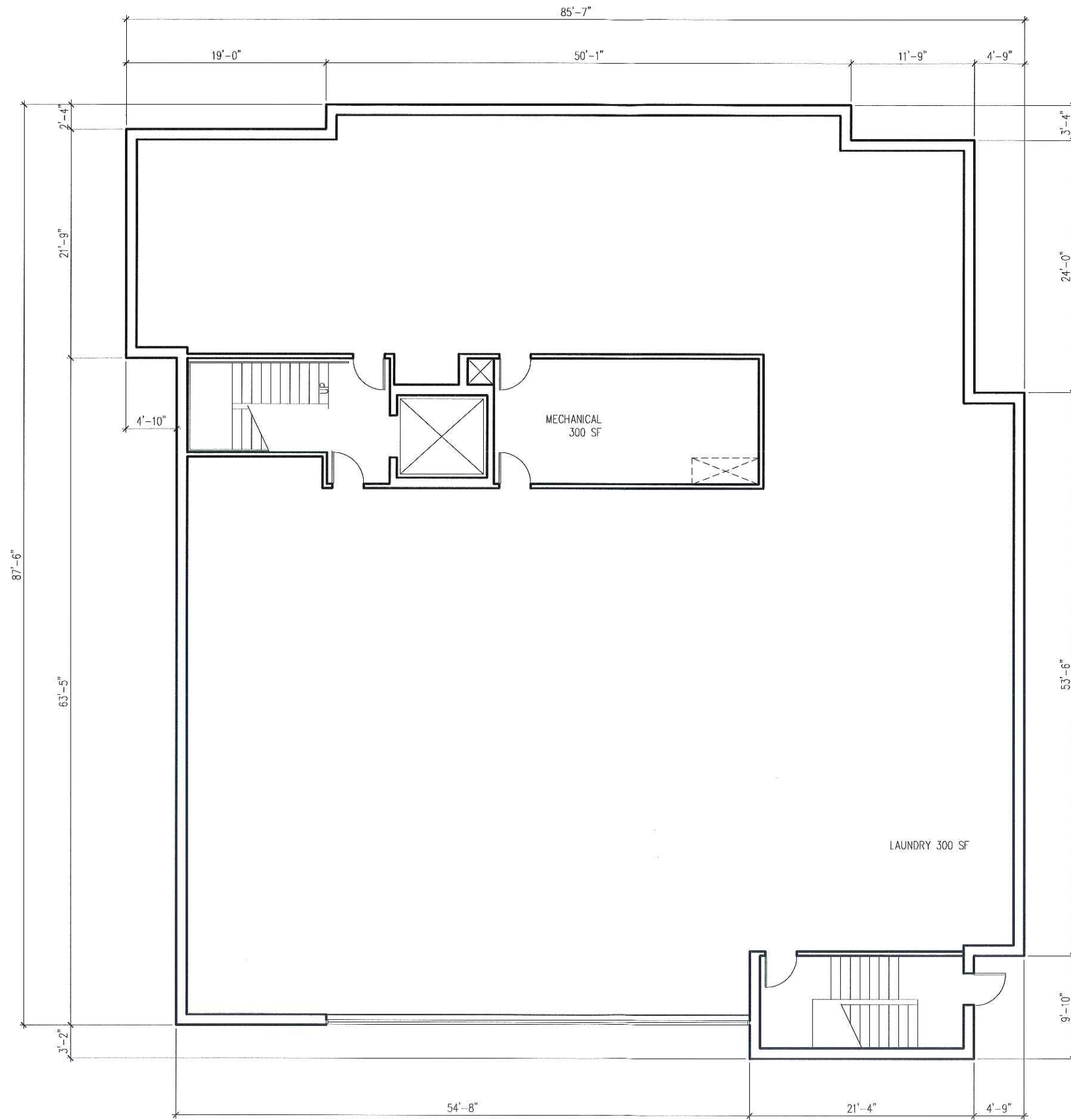
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Three Point Place
Madison, WI. 53719
608-833-2321
608-833-7964 Fax

CONSULTANTS



PROJECT
**VETERINARY
SPECIALTY
OPTIONS,
INC.**

MADISON, WI.

ISSUED
9-24-06 SCHEMATIC DESIGN

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PROJECT NUMBER 60657

**BASEMENT
FLOOR PLAN**



A1.0
SHEET



Three Point Place
 Madison, WI 53719
 608-833-2321
 608-833-7984 Fax

CONSULTANTS

PROJECT
**VETERINARY
 SPECIALTY
 OPTIONS,
 INC.**

MADISON, WI.

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 5-24-08 SCHEMATIC DESIGN

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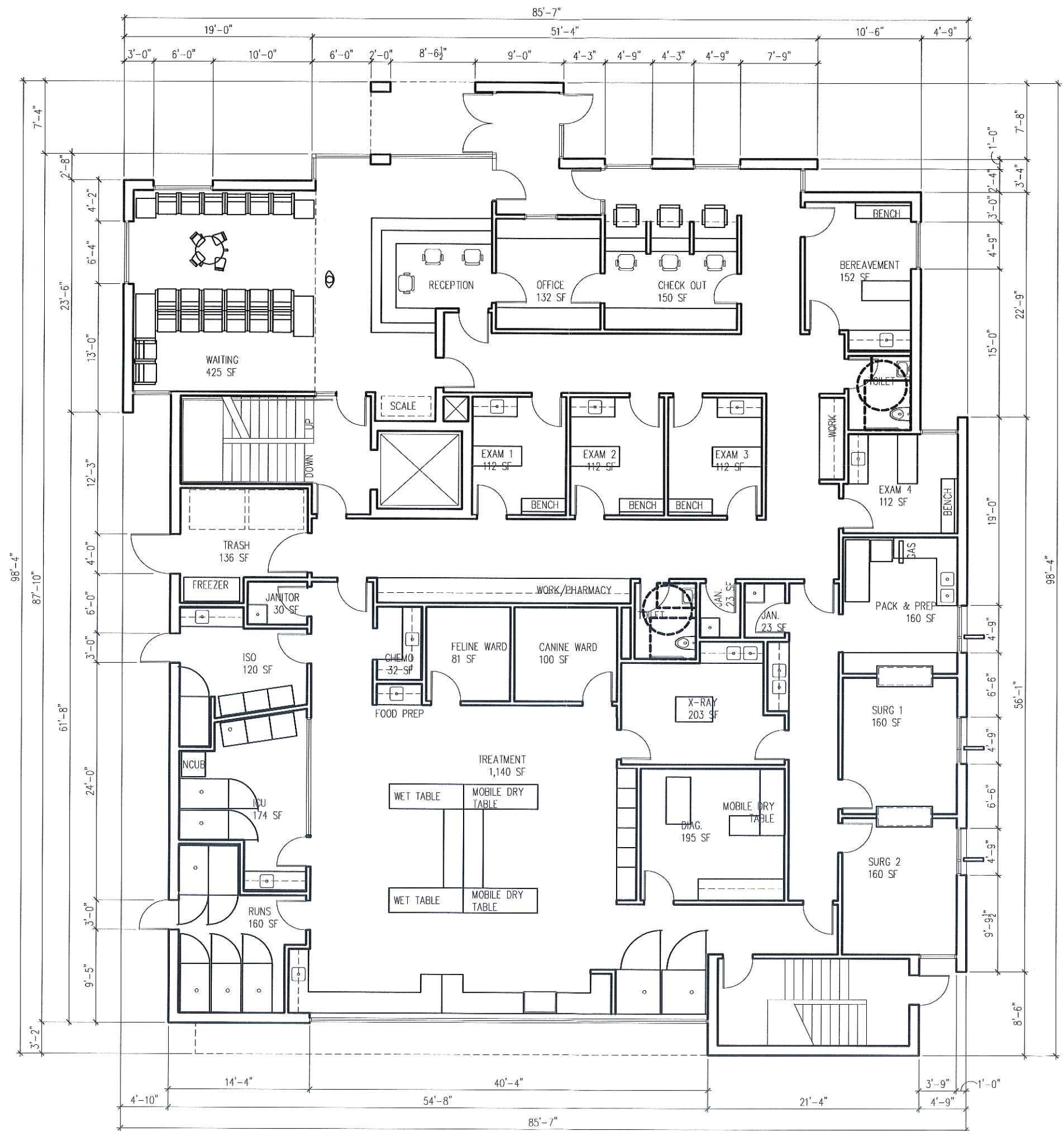
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PROJECT NUMBER 60657

FIRST FLOOR PLAN



A1.1
 SHEET





Three Point Place
 Madison, WI, 53719
 608-833-2321
 608-833-7964 Fax

CONSULTANTS

PROJECT
**VETERINARY
 SPECIALTY
 OPTIONS,
 INC.**

MADISON, WI.

ISSUED:
 5-24-06 SCHEMATIC DESIGN

REVISED

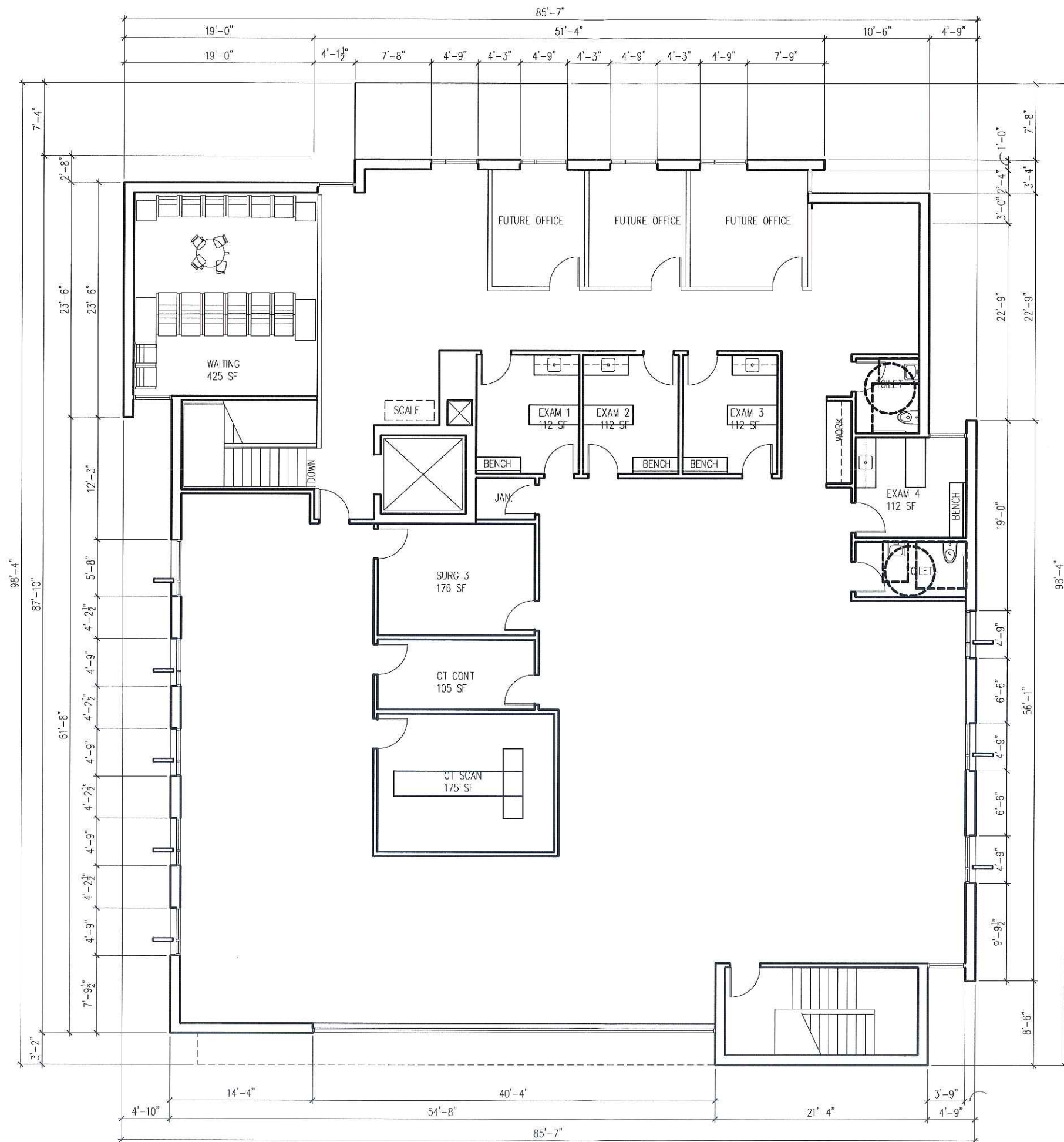
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PROJECT NUMBER 00057

**SECOND
 FLOOR PLAN**



A1.2
 SHEET







Catalog Number		KSF2-175M-R5S-208-SP04-LPI	
Notes			Type
			OA

FEATURES & SPECIFICATIONS

INTENDED USE

Ideal for use in car lots, street lighting or parking areas.

CONSTRUCTION

Rugged, .063" thick, aluminum rectilinear housing. Continuously seam welded for weather-tight seal and integrity.

Naturally anodized, extruded, aluminum door frame with mitered corners is retained with (two) .188" diameter hinge pins and secured with (one) quarter-turn, quick release fastener. Weatherproof seal between housing and door frame is accomplished with an integrally designed, extruded silicone gasket that snaps into door frame.

FINISH

Standard finish is dark bronze (DDB) polyester powder. Other powder architectural colors available.

OPTICAL SYSTEM

Reflectors are anodized and segmented for superior uniformity and control, which allows the flexibility to mix distributions without compromising the overall lighting job. Reflectors attach with tool-less fasteners and are rotatable and interchangeable. Five cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw, sharp cutoff), Type IV (wide, forward throw), and Type V (square symmetrical). Lens is .125" thick, impact-resistant, tempered, glass with thermally applied, silk screened power door shield.

ELECTRICAL SYSTEM

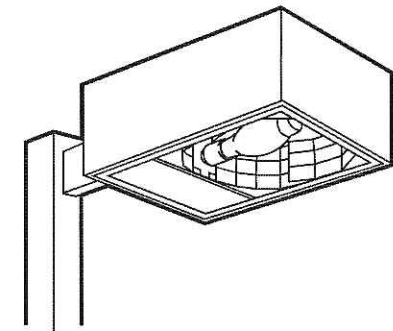
Constant-wattage autotransformer is 100% copper-wound and factory tested. Super CWA Pulse Start ballast required for 320W and 350W (must order SCWA option). Removable power door and positive-locking disconnect plug. Porcelain, horizontally-oriented, mogul-base socket with copper alloy, nickel plated screw shell and center contact. UL listed 1500W- 600V.

INSTALLATION

Extruded, 4" aluminum arm for pole or wall mounting is shipped in fixture carton. Optional mountings available.

LISTING

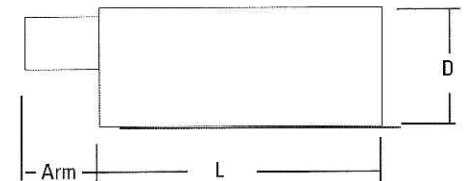
UL Listed to US and Canadian safety standards (see Options). IP65 rated.



Area Lighting

KSF2

METAL HALIDE
320W, 350W, 400W
15' to 25' Mounting



Specifications

EPA: 2.0 ft.² (.28m²) (includes arm)
Length: 24-19/32 (62.5)
Width: 17-25/32 (45.2)
Depth: 8-5/16 (21.1)
Weight: 52 lbs (23.6kg)
Arm: 4 (10.2)

All dimensions are inches (centimeters) unless otherwise specified.

Mounting Option	Drilling Template ⁷
SPxx, RPxx, DA12P	5
WBxx, DA12WB	6
WWxx	7

ORDERING INFORMATION

Example: **KSF2 400M R3 120 SP04 SF DDB LPI**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number.

KSF2	175M	R5S	208	SP04	LPI
Series	Wattage		Voltage	Mounting ⁷	Options
KSF2	250M 320M 350M 400M ¹		120 208 ² 240 ² 277 347 480 ² TB ³	SP04 Square pole (4" arm) (standard) ⁴ SP09 Square pole (9" arm) RP04 Round pole (4" arm) ⁴ RP09 Round pole (9" arm) WW04 Wood pole or wall (4" arm) ⁴ WW09 Wood pole or wall (9" arm) WB04 Wall bracket (4" arm) WB09 Wall bracket (9" arm) L/ARM When ordering KMA, DA12 <u>Optional mounting</u> DA12P Degree arm (pole) DA12WB Degree arm (wall) KMA Mast arm adapter KTMB Twin mounting bar	<u>Shipped installed in fixture</u> SF Single fuse (120, 277, 347V, n/a TB) DF Double fuse (208, 240, 480V, n/a TB) LPI Lamp included as standard L/LP Less lamp PER NEMA twist-lock receptacle only (no photocontrol) QRS Quartz restrike system (75W max; lamp not included, 120V only) EC Emergency circuit CR Corrosion-resistant finish CSA Listed and labeled to comply with Canadian Standards SCWA Super CWA Pulse Start Ballast <u>Shipped separately⁵</u> PE1 NEMA twist-lock PE (120, 208, 240V) PE3 NEMA twist-lock PE (347V) PE4 NEMA twist-lock PE (480V) PE7 NEMA twist-lock PE (277V) SC Shorting cap for PER option KSF2HS House side shield (R2,R3) KSF2VG Vandal guard
	Distribution				<u>Architectural colors</u> (powder finish) ⁶ <u>Standard colors</u> DDB Dark bronze (standard) DWH White DBL Black <u>Classic colors</u> DMB Medium bronze DNA Natural aluminum DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue

NOTES:

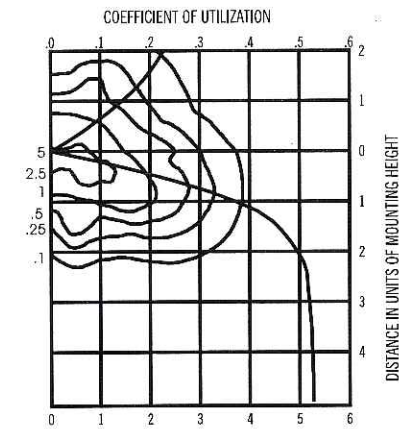
- Use ED28 reduced jacket lamp.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V) (120, 277, 347V in Canada).
- SP09, RP09, or WW09 must be used when two or more luminaires are oriented on a 90° drilling pattern.
- May be ordered as accessory.
- Additional architectural colors available; see Architectural Colors brochure, Form No. 794.3.
- Refer to technical data section in Outdoor binder for drilling template.

Accessories: Tenon Mounting Slipfitter (Order separately)							
Number of fixtures							
Tenon O.D.	One	Two@180°	Two@90° ³	Three@120°	Three@90° ³	Four@90° ³	
2-3/8"	T20-190	T20-280	T20-290	T20-320	T20-390	T20-490	
2-7/8"	T25-190	T25-280	T25-290	T25-320	T25-390	T25-490	
4"	T35-190	T35-280	T35-290	T35-320	T35-390	T35-490	

KSF2 400M Arm-Mounted Rectilinear Cutoff Lighting

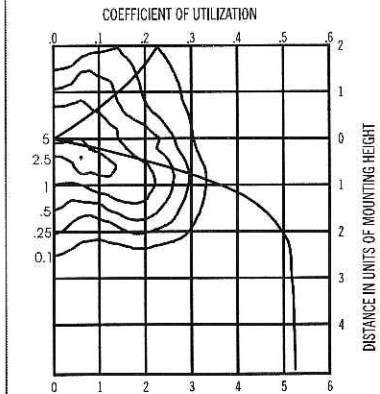
Coefficient of Utilization _____
Initial Footcandles _____

KSF2 400M R2 Test No. 1193031801



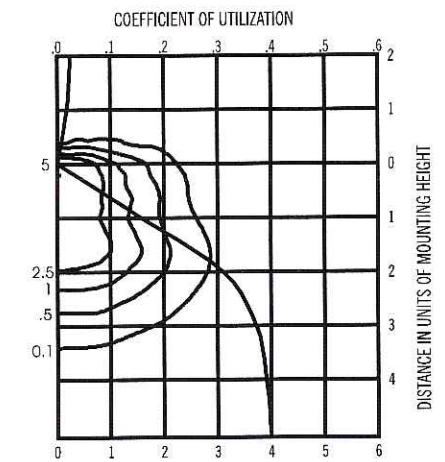
400W Metal Halide lamp, 32000 rated lumens. Footcandle values based on 35' mounting height, Distribution II, cutoff.

KSF2 400M R3 Test No. TEST NO. 1194100501



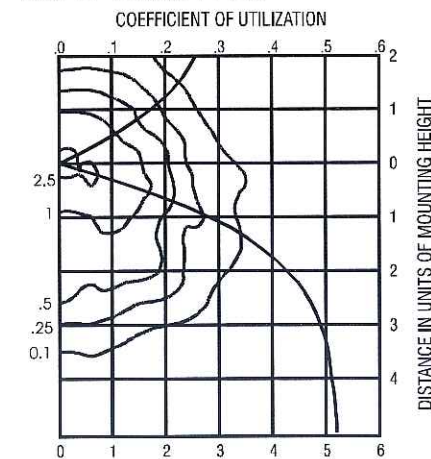
400W Metal Halide lamp, 32000 rated lumens. Footcandle values based on 35' mounting height, Distribution III, cutoff.

KSF2 400M R4SC Test No. 1193041301



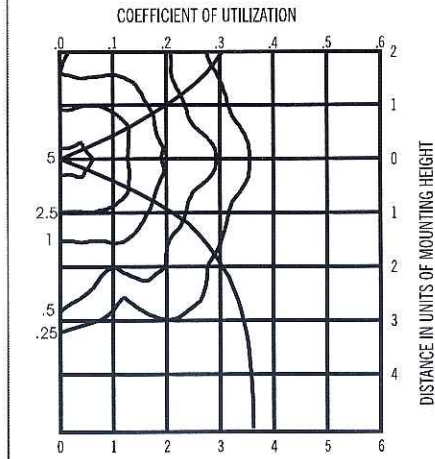
400W Metal Halide lamp, 32000 rated lumens. Footcandle values based on 35' mounting height, Distribution IV, sharp cutoff.

KSF2 400M R4W Test No. LTL8509



400W Metal Halide lamp, rated lumens. Footcandle values based on 35' mounting height, Distribution wide, forward throw.

KSF2 400M R5S Test No. 1193051801



400W Metal Halide lamp, 32000 rated lumens. Footcandle values based on 35' mounting height, Distribution V, cutoff.

NOTES:

- 1 For electrical characteristics, consult technical data tab.
- 2 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change.
- 3 Photometric data for other distributions can be accessed from www.lithonia.com.

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

15 ft.= 5.4

30 ft.= 1.36

40 ft.= .77

$$\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction factor}$$



An Acuity Brands Company

Planting Schedule for Veterinary Specialty Options

As per Landscape Plan 5-31-06

Ziegler Design Associates

Deciduous Trees

Sym.	Qty.	Name, size, root condition
Ac	4	<i>Acer saccharum</i> , Sugar Maple, 2" calliper, B&B
Am	5	<i>Amelanchier laevis</i> , Allegheny Serviceberry, 6' Cl., B&B
Be	4	<i>Betula papyrifera</i> , White Birch, 6-8' Cl., B&B
Ca	3	<i>Carpinus caroliniana</i> , American Hornbeam, 5' Cl., B&B
Ce	2	<i>Celtis occidentalis</i> , Hackberry, 2" cal, B&B
Cr	3	<i>Crataegus crus-galli</i> , Cockspur Hawthorn, 5' Cl., B&B
Fr	2	<i>Fraxinus americana</i> , White Ash, 2" cal, B&B
Gl	2	<i>Gleditsia triacanthos</i> , Honeylocust, 2" cal, B&B
Gy	4	<i>Gymnocladus dioica</i> , Kentucky Coffeetree, 2" cal, B&B
Ma	4	<i>Malus sp.</i> , 'Ioensis' Prairie Crabapple, 2" cal, B&B
Os	2	<i>Ostrya virginiana</i> , Ironwood, 1 1/4" cal, B&B
Pa	8	<i>Prunus americana</i> , American Plum, 5', CONT
Po	15	<i>Populus tremuloides</i> , Quaking Aspen, 6', B&B
Qu	2	<i>Quercus bicolor</i> , Swamp White Oak, 2" cal, B&B

Evergreen Trees

Sym.	Qty.	Name, size, root condition
Ab	5	<i>Abies balsamea</i> , Balsam Fir, 5', B&B
Ju	7	<i>Juniperus virginiana</i> , Eastern Red Cedar, 4', B&B
La	4	<i>Larix laricina</i> , American Larch, 6', B&B
Pi	3	<i>Picea glauca</i> , White Spruce, 5', B&B
Pr	2	<i>Pinus resinosa</i> , Red Pine, 5', B&B
Ps	7	<i>Pinus strobus</i> , White Pine, 5', B&B

Deciduous Shrubs

Sym.	Qty.	Name, size, root condition
cp	6	<i>Cephalanthus occidentalis</i> , Buttonbush, 24", POT
cn	11	<i>Cornus racemosa</i> , Grey Dogwood, 24", POT
cu	19	<i>Cornus sericea</i> , Red Dogwood, 24", POT
cy	23	<i>Corylus americana</i> , Hazelnut, 24", CONT
di	12	<i>Diervilla lonicera</i> , Dwf. Bush Honeysuckle, 15-18", POT
eu	6	<i>Euonymus atropurpurea</i> , Eastern Wahoo, 24", B&B
hy	15	<i>Hypericum kalmianum</i> , Kalm's St. Johnswort, 24", POT
iv	13	<i>Ilex verticillata</i> , Winterberry, 18-24", POT
ro	20	<i>Rosa virginiana</i> , Virginia Rose, 18", POT
sa	6	<i>Sambucus canadensis</i> , Elderberry, 24", POT
vp	3	<i>Viburnum prunifolium</i> , Blackhaw Viburnum, 4', B&B

Evergreen Shrubs

Sym.	Qty.	Name, size, root condition
jc	8	<i>Juniperus communis</i> , Grey Owl Juniper, 15-18", CONT

**Surgical Options
Representative Species List
April 23, 2006**

Area A (low cost prairie at north end of lot).						
Scientific name	Common name	Flower Color	Flower Period	Height	Comments	
Grasses and Sedges						
1 <i>Bouteloua curtipendula</i>	Side-oats Grama		A M J J A S O	2-3'	Short stature, orange "flower"	
2 <i>Carex vulpinoidea</i>	Brown Fox Sedge			1-3'	Dense seed heads at end of stem	
3 <i>Schizachyrium scoparium</i>	Little Bluestem			2-3'	Fine texture; white feathery seed head	
4 <i>Sporobolus heterolepis</i>	Prairie Dropseed			2'	Forms arching mounds; elegant; fragrant	
Forbs and Shrubs						
1 <i>Aquilegia canadensis</i>	Wild Columbine	Red & yel	A M J	1-2'	Butterfly plant; self sows	
2 <i>Asclepias tuberosa</i>	Butterfly Weed	Org	J J A	2-3'	Butterfly plant; very showy; monarch larvae food source	
3 <i>Aster azureus</i>	Sky Blue Aster	Blue		1-2'	Sky blue color; butterfly plant	
4 <i>Aster laevis</i>	Smooth Aster	Blue	S O	3-5'	Butterfly plant; foliage is smooth; butterfly plant	
5 <i>Aster novae-angliae</i>	New England Aster	Purp-blue	A S O	2-4'	Butterfly plant; very showy; late season color	
6 <i>Astragalus canadensis</i>	Canada Milk Vetch	Crm-yel	J J A	1-4'	Pea-like flowers held above foliage; legume	
7 <i>Campanula americana</i>	Tall Bellflower	Blue	J A S	3-5'	Biennial; butterfly plant; flowers star-like	
8 <i>Coreopsis palmata</i>	Stiff Coreopsis	Yel	J J A	12"	Butterfly plant; spreads	
9 <i>Dalea purpurea</i>	Purple Prairie Clover	Purp	J J A	1'	Butterfly plant; very showy	
10 <i>Echinacea pallida</i>	Pale Purple Coneflower	Lav	J J	2-4'	Butterfly plant; threatened in WI	
11 <i>Heliopsis helianthoides</i>	Ox Eye Sunflower	Yel	J J A S	2-5'	Forms clumps; butterfly plant	
12 <i>Kuhnia eupatorioides</i>	False Boneset	Crm-Wht	A S	2-3'	Erect stem with flat flower cluster; gray-green foliage	
13 <i>Lespedeza capitata</i>	Roundhead Bush Clover	Crm-Grm	A S O	1-4'	Interesting winter texture; nitrogen fixer	
14 <i>Liatris aspera</i>	Blazing Star	Purp	J A S	2-3'	Very showy; butterfly plant	
15 <i>Monarda fistulosa</i>	Bergamot	Lav	J A S	2-4'	Butterfly and humming bird plant; aromatic	
16 <i>Penstemon digitalis</i>	Smooth Penstemon	Whit-pur	J J	2-4'	Leaf finely toothed; readily self sows	
17 <i>Ratibida pinnata</i>	Yellow Coneflower	Yel	J A S	3-4'	Short-lived colonizer; butterfly plant; aromatic seed head	
18 <i>Rudbeckia hirta</i>	Black-eyed Susan	Yel	J J A S O	2-3'	Biennial; pioneer; butterfly plant	
19 <i>Tradescantia ohioensis</i>	Spiderwort	Blue	M J	1-2'	Butterfly plant; forms arching clumps	
20 <i>Zizia aurea</i>	Golden Alexanders	Yel	A M J	1-3'	Butterfly plant	

**Surgical Options
Representative Species List
April 23, 2006**

Area B (eastern border, no-mow with showy forbs)						
Scientific name	Common name	Flower Color	Flower Period	Height	Comments	
Grasses and Sedges						
1 <i>Festuca</i> spp.	No-mow		A M J J A S O	3-8"	Fine texture	
Forbs and Shrubs						
1 <i>Allium cernuum</i>	Nodding Wild Onion	Lav	J A	10-16"	Can divide the edible bulb; butterfly plant	
2 <i>Anemone canadensis</i>	Canada Anemone	Whit	M J	6-10"	Will slowly spread; low-growing; mace-like seed head	
3 <i>Aquilegia canadensis</i>	Wild Columbine	Red & yel	A M J	1-2'	Butterfly plant; self sows	
4 <i>Artemisia ludoviciana</i>	White Sage	Grn	A S	2-3'	Gray-green foliage; fuzzy	
5 <i>Asclepias tuberosa</i>	Butterfly Weed	Org	J J A	2-3'	Butterfly plant; very showy; monarch larvae food source	
6 <i>Aster azureus</i>	Sky Blue Aster	Blue	S O	1-2'	Sky blue color; butterfly plant	
7 <i>Coreopsis palmata</i>	Stiff Coreopsis	Yel	J J A	1-2'	Butterfly plant; spreads	
8 <i>Dalea candida</i>	White Prairie Clover	Whit	J J A	1'	Butterfly plant; legume	
9 <i>Dalea purpurea</i>	Purple Prairie Clover	Purp	J J A	1'	Butterfly plant; very showy	
10 <i>Dodecatheon meadia</i>	Shooting Star	Lav-whit	A M J	4-6"	Flower looks like a shooting star; spreads slowly	
11 <i>Liatis aspera</i>	Blazing Star	Purp	J A S	2-3'	Very showy; butterfly plant	
12 <i>Monarda punctata</i>	Dotted Mint	Crn & purp	J A	6-12"	Biennial; flowers small but very showy; butterfly plant	
13 <i>Potentilla arguta</i>	Tall Cinquefoil	Yel	J A S	6-12"	Lower leaves feather-divided	
14 <i>Solidago nemoralis</i>	Dyer's weed	Yel	A S O	6-18"	Arching form; gray-green foliage; butterfly plant	
15 <i>Tradescantia ohioensis</i>	Spiderwort	Blue	M J	1-2"	Butterfly plant; forms arching clumps	
16 <i>Zizia aurea</i>	Golden Alexanders	Yel	A M J	1-2'	Butterfly plant	

**Surgical Options
Representative Species List
April 23, 2006**

Area C (bioswale)		Scientific name	Common name	Flower Color	Flower Period	Height	Comments
		Grasses and Sedges			A M J J A S O		
Wet area	x	Carex vulpinoidea	Brown Fox Sedge			1-3'	Purple coloring on stem; fine texture
	x	Calamagrostis canadensis	Bluejoint Grass			2-4'	Inflated, spiky seed head
	x	Carex hystericina	Bottlebrush Sedge			1-2'	Terminal seed head spike, often colored yellow-green
	x	Carex stipata	Common Fox Sedge			1-3'	Short stature, orange "flower"
	x	Bouteloua curtipendula	Side-oats Grama			2-3'	Fine texture; white feathery seed head
	x	Schizachyrium scoparium	Little Bluestem			2-3'	Forms arching mounds; elegant; fragrant
	x	Sporobolus heterolepis	Prairie Dropseed			2'	Fine texture
	x	Bromus kalmii	Prairie Brome			2-3'	Cool season; clump forming
	x	Elymus riparius	Riverbank Wild Rye			3-6'	Cool season; fine texture; wildlife food source
	x	Glyceria striata	Fowl Manna Grass			3-5'	
		Forbs and Shrubs					
	x	Allium cernuum	Nodding Wild Onion	Lav	J A	10-20"	Can divide the edible bulb; butterfly plant
	x	Anemone canadensis	Canada Anemone	Whit	M J	6-18"	Will slowly spread; low-growing; mace-like seed head
	x	Aquilegia canadensis	Wild Columbine	Red & yel	A M J	1-2'	Butterfly plant; self sows
	x	Asclepias incarnata	Marsh Milkweed	Purp-red	J J A	3-4'	Butterfly plant; very showy; monarch larvae food source
	x	Asclepias tuberosa	Butterfly Weed	Org	J J A	2-3'	Butterfly plant; very showy; monarch larvae food source
	x	Aster azureus	Sky Blue Aster	Blue	SO	1-2'	Sky blue color; butterfly plant
	x	Aster novae-angliae	New England Aster	Purp-blue	ASO	2-4'	Butterfly plant; very showy; late season color
	x	Campanula americana	Tall Bellflower	Blue	J A S	3-5'	Biennial; butterfly plant; flowers star-like
	x	Dalea purpurea	Purple Prairie Clover	Purp	J J A	12-18"	Butterfly plant; very showy
	x	Echinacea pallida	Pale Purple Coneflower	Lav	J J	2-4'	Butterfly plant; threatened in WI
	x	Eupatorium maculatum	Joe Pye Weed	Purp	J J A	3-5'	Leaves whorled; butterfly plant; terminal flower cluster
	x	Eupatorium perfoliatum	Boneset	Whit	J A S	2-4'	Stem pierces the wrinkled leaves
	x	Helenium autumnale	Sneezeweed	Yel	ASO	2-4'	Does not cause allergies; large flowers; very showy
	x	Liatris aspera	Blazing Star	Purp	J A S	2-3'	Very showy; butterfly plant
	x	Liatris pycnostachya	Prairie Blazingstar	Purp	J A S	3-4'	Very showy; butterfly plant
	x	Lobelia siphilitica	Great Blue Lobelia	Blue	J A S	1'	Butterfly plant; spikes of blue flowers
	x	Monarda fistulosa	Bergamot	Lav	J A S	2-4'	Butterfly and humming bird plant; aromatic
	x	Parthenium integrifolium	Wild Quinine	Whit	J J A S	2-3'	Flat topped flower clusters somewhat like a cauliflower head
	x	Ratibida pinnata	Yellow Coneflower	Yel	J A S	3-4'	Short-lived colonizer; butterfly plant; aromatic seed head
	x	Rudbeckia hirta	Black-eyed Susan	Yel	J A S O	2-3'	Biennial; pioneer; butterfly plant
	x	Rudbeckia triloba	Branched Coneflower	Yel	J A S O	2-4'	Short-lived; butterfly plant; very showy
	x	Tradescantia ohiensis	Spiderwort	Blue	M J	1-2'	Butterfly plant; forms arching clumps
	x	Veronicastrum virginicum	Culver's Root	Whit	J J A	3-6'	Long flower spike; butterfly plant
	x	Zizia aptera	Heartleaf Golden Alexanders	Yel	A M J	1-2'	Heart-shaped leaves; butterfly plant
	x	Zizia aurea	Golden Alexanders	Yel	A M J	1-2'	Butterfly plant

**Surgical Options
Representative Species List
April 23, 2006**

		Area E (detention pond)					
		Scientific name	Common name	Flower Color	Flower Period	Height	Comments
	Upland area	Grasses and Sedges			A M J J A S O		
x	1	<i>Bouteloua curtipendula</i>	Side-oats Grama			2-3'	Short stature; orange "flower"
x	2	<i>Calamagrostis canadensis</i>	Bluejoint Grass			2-4'	Purple coloring on stem; fine texture
x	3	<i>Carex hystericina</i>	Bottlebrush Sedge			1-3'	Inflated, spiky seed head
x	4	<i>Carex stipata</i>	Common Fox Sedge			1-3'	Terminal seed head spike, often colored yellow-green
x	5	<i>Carex vulpinoidea</i>	Brown Fox Sedge			1-3'	Long seed head
x	6	<i>Elymus riparius</i>	Riverbank Wild Rye			3-6'	Cool season; clump forming
x	7	<i>Glyceria striata</i>	Fowl Manna Grass			2-5'	Cool season; fine texture; wildlife food source
x	8	<i>Schizachyrium scoparium</i>	Little Bluestem			2-3'	Fine texture; white feathery seed head
x	9	<i>Scirpus atrovirens</i>	Dark Green Bulrush			3-5'	Dark green color; fine texture
x	10	<i>Scirpus cyperinus</i>	Wool Grass			3-5'	Seed head is fuzzy
x	11	<i>Sorghastrum nutans</i>	Indian Grass			3-6'	Rich golden brown feather-like seed head
x	12	<i>Sporobolus heterolepis</i>	Prairie Dropseed			1-2'	Forms arching mounds; elegant; fragrant
		Forbs and Shrubs					
x	1	<i>Allium cernuum</i>	Nodding Wild Onion	Lav	J A	10-20"	Can divide the edible bulb; butterfly plant
x	2	<i>Asclepias incarnata</i>	Marsh Milkweed	Purp-red	J J A	3-4'	Butterfly plant; very showy; monarch larvae food source
x	3	<i>Asclepias tuberosa</i>	Butterfly Weed	Org	J J A	2-3'	Butterfly plant; very showy; monarch larvae food source
x	4	<i>Aster azureus</i>	Sky Blue Aster	Blue	S O	1-2'	Sky blue color; butterfly plant
x	5	<i>Aster novae-angliae</i>	New England Aster	Purp-blue	A S O	2-4'	Butterfly plant; very showy; late season color
x	6	<i>Aster simplex</i>	Marsh Aster	Whit	A S	2-4'	Willow-like leaves; flowers are small, often pink-tinged
x	7	<i>Cacalia atriplicifolia</i>	Pale Indian Plantain	Whit	J A S	3-5'	Leaves white underneath; red stem; distinctive foliage
x	8	<i>Echinacea pallida</i>	Pale Purple Coneflower	Lav	J J	2-4'	Butterfly plant; threatened in WI
x	9	<i>Eupatorium perfoliatum</i>	Boneset	Whit	J A S	2-4'	Stem pierces the wrinkled leaves
x	10	<i>Helenium autumnale</i>	Sneezeweed	Yel	A S O	2-4'	Does not cause allergies; large flowers; very showy
x	11	<i>Liatris aspera</i>	Blazing Star	Purp	J A S	2-3'	Very showy; butterfly plant
x	12	<i>Liatris pycnostachya</i>	Prairie Blazingstar	Purp	J A S	3-4'	Very showy; butterfly plant
x	13	<i>Liatris spicata</i>	Marsh Blazingstar	Purp	A S	2-3'	Very showy; butterfly plant
x	14	<i>Lobelia siphilitica</i>	Great Blue Lobelia	Blue	J A S	1'	Butterfly plant; spikes of blue flowers
x	15	<i>Monarda fistulosa</i>	Bergamot	Lav	J A S	2-4'	Butterfly and humming bird plant; aromatic
x	16	<i>Penstemon digitalis</i>	Smooth Penstemon	Whit-pur	J J	2-4'	Leaf finely toothed; readily self sows
x	17	<i>Ratibida pinnata</i>	Yellow Coneflower	Yel	J A S	3-4'	Short-lived colonizer; butterfly plant; aromatic seed head
x	18	<i>Rudbeckia hirta</i>	Black-eyed Susan	Yel	J J A S O	2-3'	Biennial; pioneer; butterfly plant
x	19	<i>Rudbeckia triloba</i>	Branched Coneflower	Yel	J A S O	2-4'	Short-lived; butterfly plant; very showy
x	20	<i>Siphium terebinthinaceum</i>	Prairie Dock	Yel	J A S	4-7'	Taproots reach 9-12' deep; butterfly & bird plant
x	21	<i>Solidago graminifolia</i>	Grass-leaved Goldenrod	Yel	J A S	2-4'	Grass-like foliage; small but abundant flowers
x	22	<i>Tradescantia ohioensis</i>	Spiderwort	Blue	M J	1-2'	Butterfly plant; forms arching clumps
x	23	<i>Verbena hastata</i>	Blue Verbain	Blue	J A S	2-6'	Arrowhead shaped leaves; butterfly plant
x	24	<i>Vernonia fasciculata</i>	Ironweed	Purp	J A S	4-6'	Butterfly plant; very showy; rich color
x	25	<i>Veronicastrum virginicum</i>	Culver's Root	Whit	J J A	3-6'	Long flower spike; butterfly plant
x	26	<i>Zizia aurea</i>	Golden Alexanders	Yel	A M J	1-2'	Butterfly plant