

APPLICATION FOR
URBAN DESIGN COMMISSION
REVIEW AND APPROVAL

AGENDA ITEM # _____
Project # _____
Legistar # 30468

DATE SUBMITTED: <u>06-05-2013</u>	<input checked="" type="checkbox"/> Informational Presentation
UDC MEETING DATE: <u>06-19-2013</u>	<input checked="" type="checkbox"/> Initial Approval and/or Recommendation
	<input type="checkbox"/> Final Approval and/or Recommendation

PLEASE PRINT!

PLEASE PRINT!

PROJECT ADDRESS: 1750 Pearson Street, Madison, WI
 ALDERMANIC DISTRICT: 12 - Larry Palm
 OWNER/DEVELOPER (Partners and/or Principals) ARCHITECT/DESIGNER/OR AGENT:
Madison College, Mike Stark Justin Lee Frahm
1701 Wright Street JSD Professional Services Inc.
Madison, WI 53704 161 Horizon Drive Suite 101
 CONTACT PERSON: Justin Lee Frahm Verona, WI 53593
 Address: JSD Professional Services, Inc.
161 Horizon Drive Suite 101 Verona, WI
 Phone: 608-848-5060 ext. 226
 Fax: _____
 E-mail address: justin.frahm@jsdinc.com

CITY OF MADISON

- 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 40,000 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 _____

JUN - 5 2013
 11:20 AM
 Planning & Community
 & Economic Development

*Public Hearing Required (Submission Deadline 3 Weeks in Advance of Meeting Date)
 Where fees are required (as noted above) they apply with the first submittal for either initial or final approval of a project.

June 5, 2013

City of Madison Urban Design Commission
c/o Al Martin
City of Madison Planning Division
PO Box 2985
Madison, WI 53701-2985

Subject: **Madison College Fire Training Facility**

Dear Commissioners:

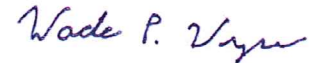
Madison College (College) is proposing to construct an outdoor Fire Training Facility at the College's Truax campus in Madison, Wisconsin. The facility will be located on land directly west of Pearson Street and north of Anderson Street at the west end of the campus. This land is directly adjacent to the Dane County Regional Airport (Airport). The space will consist of a series of props to be used for outdoor fire training and certification.

Due to ongoing lease negotiations with the Airport, the College has determined it would be easier to construct the project in 2 phases. The first phase will develop the 2.135 acre site to the north currently leased by the College. The second phase, the 2.517 acre site to the south, will be developed once the lease is finalized with the Airport. This 2-phase approach will allow the College the ability to start this project in September/October, 2013. Phase 2 would be developed in spring, 2014. Madison College is seeking approval for the construction of both Phases 1 and 2 at this time.

The new outdoor Fire Training Facility will consist of a series of props including a residential and commercial burn tower, ladder tower, vertical vent prop, gas vehicle vent prop, gas control valves, pallet shed, gas commercial dumpster, natural gas prop, car extrication prop, water tank, confined space prop, LP gas prop, and gas extinguisher prop.

Sincerely,

JSD Professional Services, Inc.



Wade P. Wyse, P.E.
Senior Project Engineer



FIRE TRAINING FACILITY

LOCATOR MAP
MADISON, WI
06/05/2013
FOR PLANNING PURPOSES ONLY

"BUILDING RELATIONSHIPS WITH A COMMITMENT TO CLIENT SATISFACTION THROUGH TRUST, QUALITY AND EXPERIENCE"

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 VERONA, WISCONSIN 53593
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- MADISON | MILWAUKEE
 KENOSHA | APPLETON
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SERVICES PROVIDED TO:
MADISON COLLEGE

PROJECT:
**MADISON COLLEGE
 FIRE TRAINING FACILITY**

PROJECT LOCATION:
 MADISON
 DANE COUNTY, WI

JSD PROJECT NO.:
 SEAL/SIGNATURE:

ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY, THE CONTRACTOR AND SUBCONTRACTORS MUST CHECK ALL DETAIL AND DIMENSIONS OF THEIR TRADE AND BE RESPONSIBLE FOR THE SAME.

DESIGN:	JLF	08-25-11
DRAWN:	JLF	03-27-13
APPROVED:	WFW	

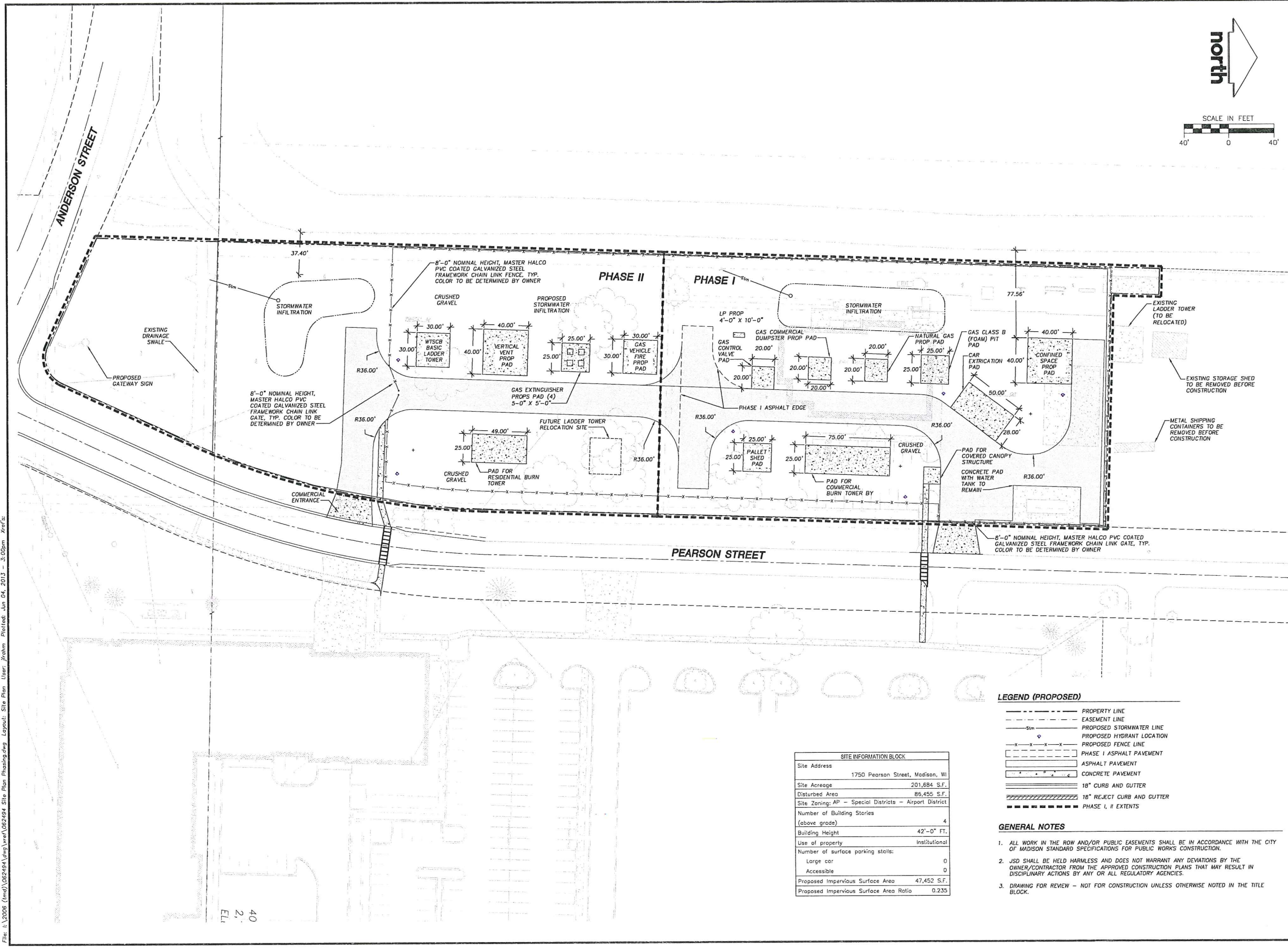
PLAN MODIFICATIONS:	DATE:

DIGGERS HOTLINE

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 Milwaukee Area (414) 259-1181
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SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C-1.0



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SITE INFORMATION BLOCK	
Site Address	1750 Pearson Street, Madison, WI
Site Acreage	201,684 S.F.
Disturbed Area	85,455 S.F.
Site Zoning:	AP - Special Districts - Airport District
Number of Building Stories (above grade)	4
Building Height	42'-0" FT.
Use of property	Institutional
Number of surface parking stalls:	
Large car	0
Accessible	0
Proposed Impervious Surface Area	47,452 S.F.
Proposed Impervious Surface Area Ratio	0.235

LEGEND (PROPOSED)

- PROPERTY LINE
- - - - - EASEMENT LINE
- Stm- PROPOSED STORMWATER LINE
- o PROPOSED HYDRANT LOCATION
- x-x-x-x-x- PROPOSED FENCE LINE
- [Pattern] PHASE I ASPHALT PAVEMENT
- [Pattern] ASPHALT PAVEMENT
- [Pattern] CONCRETE PAVEMENT
- [Pattern] 18" CURB AND GUTTER
- [Pattern] 18" REJECT CURB AND GUTTER
- [Pattern] PHASE I, II EXTENTS

GENERAL NOTES

- ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.

THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.

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SERVICES PROVIDED TO:
MADISON COLLEGE

PROJECT:
**MADISON COLLEGE
 FIRE TRAINING
 FACILITY**

PROJECT LOCATION:
 MADISON
 DANE COUNTY, WI

JSD PROJECT NO.:

SEAL/SIGNATURE:

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DRAWN:	JLF	03-27-13
APPROVED:	WJPW	

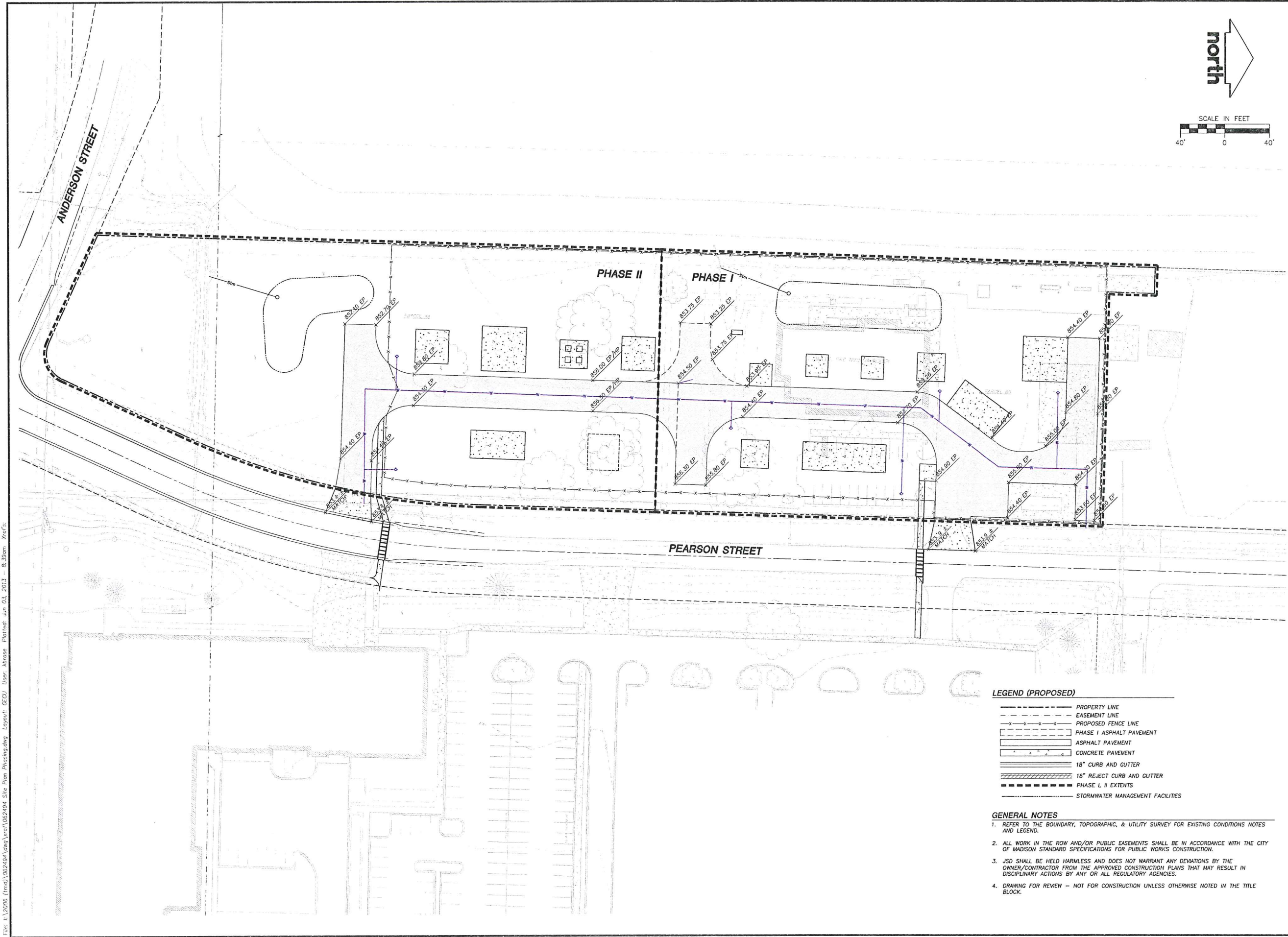
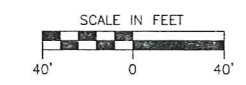
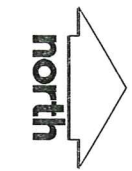
PLAN MODIFICATIONS:	DATE:
CITY OF MADISON	06-03-13



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SHEET TITLE:
**GRADING, EROSION
 CONTROL, &
 UTILITY PLAN**

SHEET NUMBER:
C-2.0



LEGEND (PROPOSED)

- PROPERTY LINE
- - - - - EASEMENT LINE
- x - x - x - PROPOSED FENCE LINE
- ▨ PHASE I ASPHALT PAVEMENT
- ▩ ASPHALT PAVEMENT
- ▭ CONCRETE PAVEMENT
- ▬ 18" CURB AND GUTTER
- ▨ 18" REJECT CURB AND GUTTER
- ▬ PHASE I, II EXTENTS
- ▬ STORMWATER MANAGEMENT FACILITIES

GENERAL NOTES

1. REFER TO THE BOUNDARY, TOPOGRAPHIC, & UTILITY SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
2. ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
4. DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.

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JSD Professional Services, Inc.
 • Engineers • Surveyors • Planners

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PROJECT:
**MADISON COLLEGE
 FIRE TRAINING
 FACILITY**

PROJECT LOCATION:
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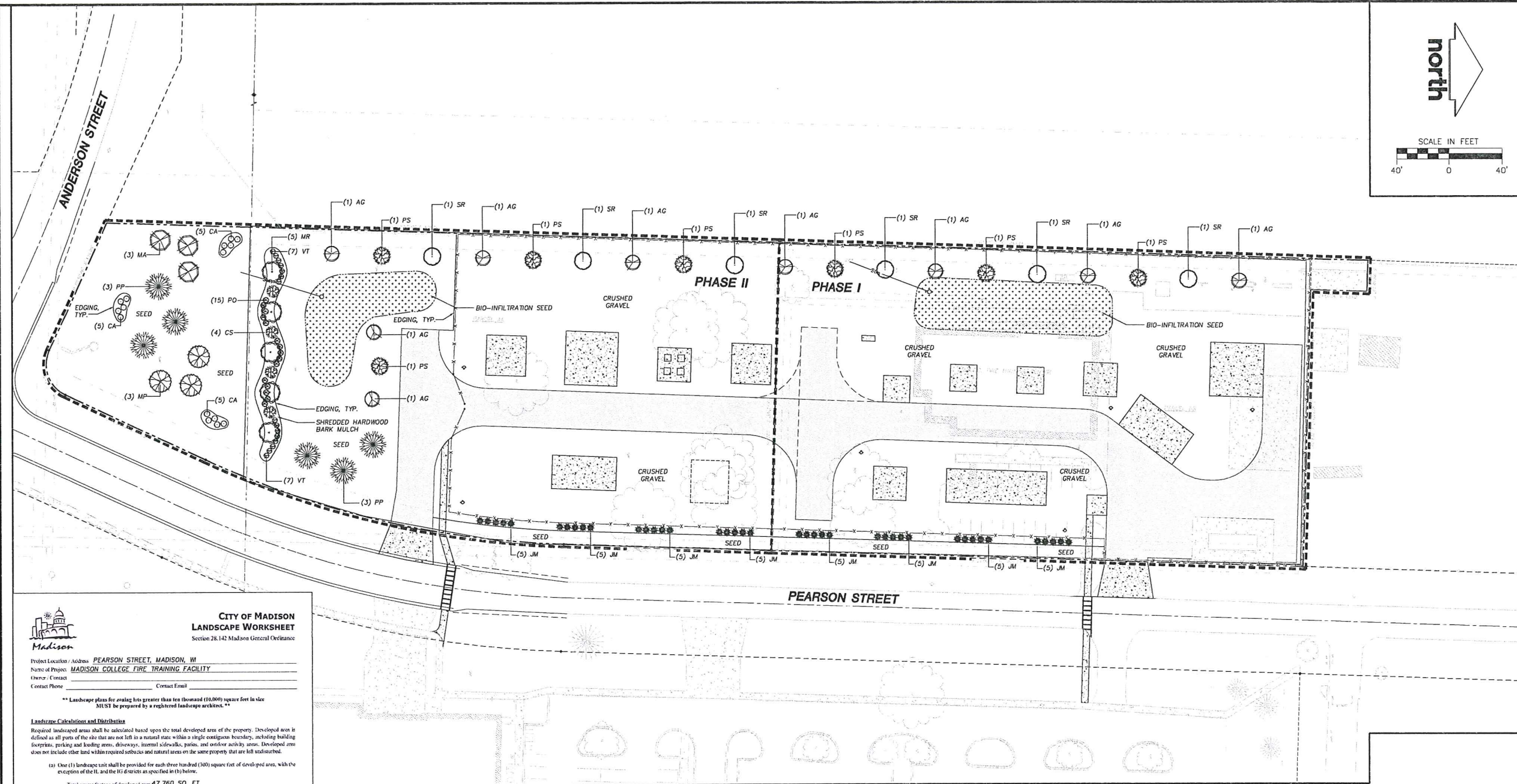
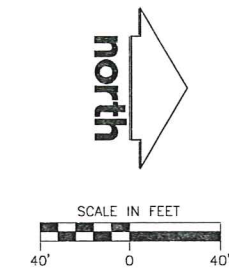
DESIGN: JLF 08-26-11
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SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
L-1.0



**CITY OF MADISON
 LANDSCAPE WORKSHEET**
 Section 28.142 Madison General Ordinance

Project Location / Address: **PEARSON STREET, MADISON, WI**
 Name of Project: **MADISON COLLEGE FIRE TRAINING FACILITY**
 Owner / Contact: _____
 Contact Phone: _____ Contact Email: _____

** Landscape plans for zoning lots greater than ten thousand (10,000) square feet in size MUST be prepared by a registered landscape architect. **

Landscape Calculation and Distribution
 Required landscaped areas shall be calculated based upon the total developed area of the property. Developed area is defined as all parts of the site that are not left in a natural state within a single contiguous boundary, including building footprints, parking and loading areas, driveways, internal sidewalks, patios, and outdoor activity areas. Developed area does not include other land within required setbacks and natural areas on the same property that are left unaltered.

(a) One (1) landscape unit shall be provided for each three hundred (300) square feet of developed area, with the exceptions of the H-1 and the H-2 districts as specified in (b) below.

Total square footage of developed area **47,760 SQ. FT.**
 Developed area divided by three hundred (300) square feet = **159.00** Landscape Units

(b) Within the Industrial - Limited (I-1) and Industrial - General (IG) districts, one (1) landscape unit shall be provided for every six hundred (600) square feet of developed area.

Total square footage of developed area _____
 Developed area divided by six hundred (600) square feet = _____ Landscape Units

(c) One landscape unit consists of five (5) landscape points. Landscape points are calculated as shown in the following table:

Landscape units multiplied by five (5) landscape points = **795.00** Total Points Required

Tabulation of Points and Credits

Use the table to indicate the quantity and points for all existing and proposed landscape elements. Calculations yielding a fraction up to one-half (1/2) or 0.5 shall be rounded down to the nearest whole number; fractions of more than one-half (1/2) shall be rounded up.

Plant Type/ Element	Minimum Size at Installation	Points	Credits/ Existing Landscaping		New/ Proposed Landscaping	
			Quantity	Points Achieved	Quantity	Points Achieved
Overstory deciduous tree	2 1/2 inch caliper	35		0	0	0
Ornamental tree	1 1/2 inch caliper	15		33		495
Evergreen tree	3 feet tall	15		6		90
Shrub, deciduous	18" or 3 gallon container size	2		34		68
Shrub, evergreen	18" or 3 gallon container size	3		40		120
Ornamental grasses	18" or 3 gallon container size	2		15		30
Ornamental decorative fencing or wall	3 ft.	4 per 10 linear ft.				
Sub Totals						803

Total Number of Points Provided **803**

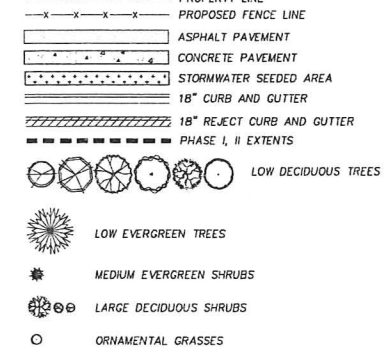
LANDSCAPE PLANT LIST

SYM	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	POINTS	TOTAL POINTS
LOW DECIDUOUS TREES							
AG	9	Autumn Brilliance Serviceberry	AMELANCHIER x grandiflora 'Autumn Brilliance'	1 1/2" Cal.	B&B	15	135
MA	3	Adams Crabapple	MALUS 'Adams'	1 1/2" Cal.	B&B	15	45
MR	3	Prairie Fire Crabapple	MALUS 'Prairie Fire'	1 1/2" Cal.	B&B	15	45
MR	5	Red Baron Crabapple	MALUS 'Red Baron'	1 1/2" Cal.	B&B	15	75
FS	7	Spring Wonder Cherry	PRUNUS sargentii 'Hokkeido Normandale'	1 1/2" Cal.	B&B	15	105
SR	6	Ivory Silk Japanese Tree Lilac	SYRINGA reticulata 'Ivory Silk'	1 1/2" Cal.	B&B	15	90
LOW EVERGREEN TREES							
PP	6	Fat Albert Colorado Blue Spruce	PICEA pungens 'Fat Albert'	4' Ht.	B&B	15	90
MEDIUM EVERGREEN SHRUBS							
IJ	40	Mountain Juniper	JUNIPERUS chinensis 'Mountain Juniper'	48" Mn Ht.	#3 Cont.	3	120
LARGE DECIDUOUS SHRUBS							
CS	4	Redoog Dogwood	CORNUS sericea	24-30" Mn. Ht.	#3 Cont.	2	8
PO	15	Dwarf Common Ninebark	PHYSCARPUS oppositifolius 'Nana'	24-30" Mn. Ht.	#3 Cont.	2	30
VT	15	Spring Red Compact Cranberrybush Vb.	VIBURNUM trilobum 'Spring Red'	24-30" Mn. Ht.	#3 Cont.	2	30
ORNAMENTAL GRASSES							
CA	15	Karl Foerster Feather Reed Grass	CALAMAGROSTIS x acutiflora 'Karl Foerster'	10 - 12" Ht.	#1 Cont.	2	30
						TOTAL:	803

GENERAL NOTES

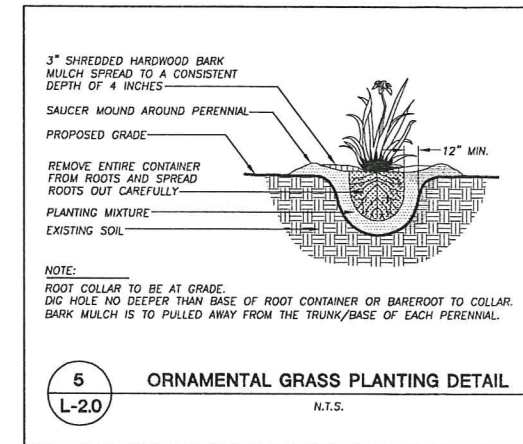
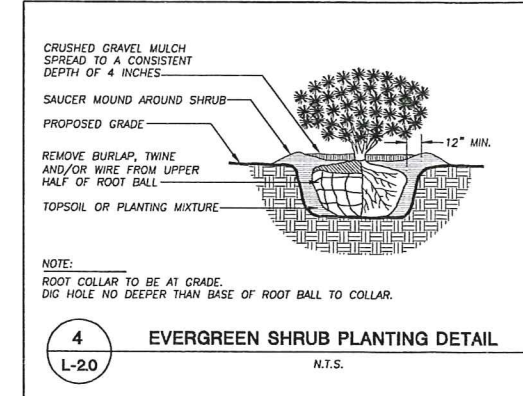
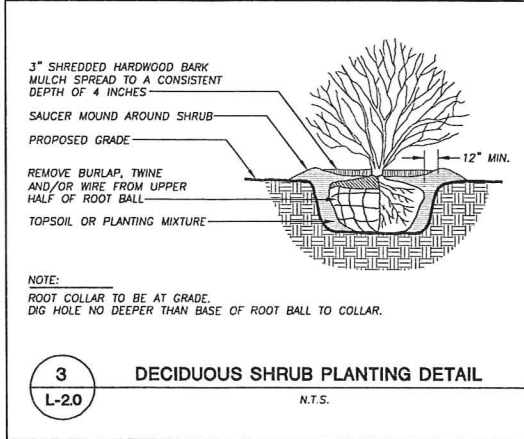
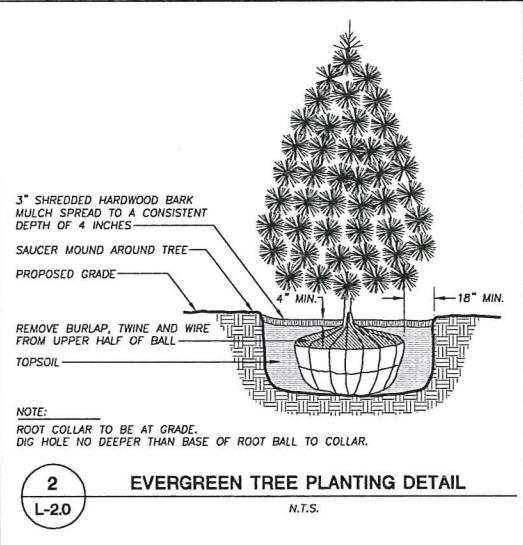
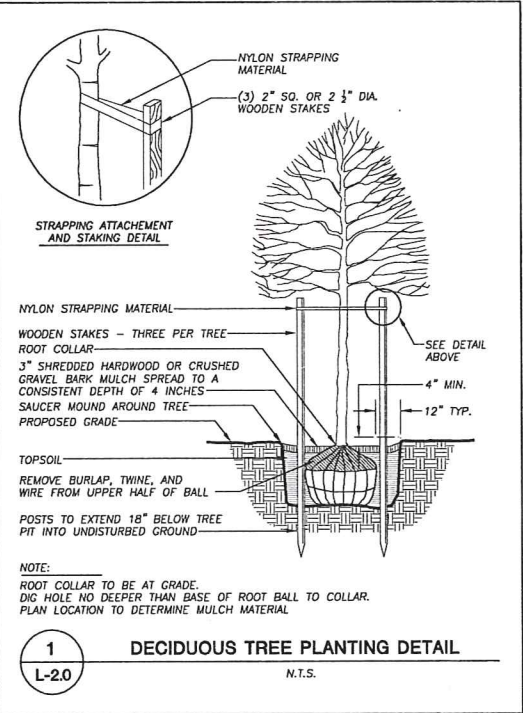
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- DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
- FOR ALL OTHER LANDSCAPE NOTES AND SPECIFICATIONS PLEASE SEE LANDSCAPE DETAILS AND SPECIFICATIONS SHEET L-2.0.

LEGEND (PROPOSED)



File: i:\2006\ (rmd)\062494.dwg, 06/24/06, 10:24:44 AM, Landscape Planning.dwg, Layout: Landscape Plan L-1.0, 29x41, User: jfrohman, Plot Date: Jun 04, 2013 - 2:59pm, Xref's:

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LANDSCAPE NOTES & SPECIFICATIONS

- GENERAL:** ALL WORK IN THE R-O-W AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON REQUIREMENTS. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES. LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 1-800-382-5544 FOR UTILITY LOCATIONS AT LEAST THREE DAYS PRIOR TO DIGGING. HAND DIG AND INSTALL ALL PLANTS THAT ARE NEAR EXISTING UTILITIES. PROTECT PREVIOUSLY INSTALLED WORK OF OTHER TRADES. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
- DELIVERY AND HANDLING:** DO NOT DELIVER MORE PLANT MATERIALS THAN CAN BE PLANTED IN ONE DAY. DELIVER PLANTS WITH LEGIBLE IDENTIFICATION LABELS. PROTECT PLANTS DURING DELIVERY AND DO NOT PRUNE PRIOR TO DELIVERY. ALL TREES AND SHRUBS SHALL BE PLANTED ON THE DAY OF DELIVERY; IF THIS IS NOT POSSIBLE, PROTECT THAT STOCK NOT PLANTED BY STORING STOCK IN A SHADED AREA PROTECTING THE ROOT MASS WITH WET SOIL, MOSS OR OTHER SUITABLE MEDIA AND KEEPING WELL WATERED. DO NOT REMOVE CONTAINER GROWN STOCK FROM CONTAINERS BEFORE TIME OF PLANTING. DO NOT PICK UP CONTAINER OR BALLED PLANTS BY STEM OR ROOTS. ALL PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE BALL. PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED PRACTICES.
- GUARANTEE:** THE CONTRACTOR SHALL GUARANTEE ALL PLANTS THROUGH ONE (1) YEAR AFTER ACCEPTANCE BY OWNER. PLANTS SHALL BE ALIVE AND IN GOOD HEALTHY AND FLOURISHING CONDITION AT THE END OF THE GUARANTEE PERIOD. THE CONTRACTOR SHALL REPLACE WITHOUT COST TO THE OWNER ANY PLANTS THAT ARE DEAD OR NOT IN A VIGOROUS THRIVING CONDITION. REPLACEMENT PLANTS SHALL BE OF THE SAME KIND AND SIZE AS ORIGINALLY SPECIFIED UNLESS OTHERWISE DIRECTED BY OWNER. RESTORE BEDS AS NECESSARY FOLLOWING PLANT REPLACEMENT, INCLUDING BUT NOT LIMITED TO BEDS, EDGING, MULCH, GRASS, ETC. REPAIR DAMAGE TO OTHER PLANTS OR LAWNS DURING PLANT REPLACEMENT AT NO COST TO OWNER. CONTRACTOR SHALL PROVIDE A TWO (2)-YEAR STRAIGHTENING GUARANTEE FOR ALL TREES.
- MATERIALS - PLANTS:** ALL PLANTS SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1-2004. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST 2 YEARS. PLANTS SHALL BE FRESHLY DUG (DURING THE MOST RECENT FAVORABLE HARVEST SEASON). PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY SUPERIOR IN FORM, COMPACTNESS, AND SYMMETRY. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, AND FREE OF DISEASE AND INSECTS (ADULT EGGS, PUPAE OR LARVAE). THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS AND SHALL BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT THRIVING GROWTH. PLANTS SHALL BE OF THE HIGHEST QUALITY, HAVE TYPICAL GROWTH HABITS FOR THEIR SPECIES, BE SOUND, HEALTHY, VIGOROUS AND FREE OF INJURY. PARKWAY TREES AND PARKING LOT TREES SHALL HAVE A MINIMUM BRANCHING HEIGHT OF SIX (6) FEET ABOVE THE GROUND TO ALLOW ADEQUATE VISUAL AND PHYSICAL CLEARANCE.
- CONTRACTOR IS RESPONSIBLE FOR STAKING OF ALL LANDSCAPE MATERIALS AND PLANT LOCATIONS PRIOR TO DIGGING FOR REVIEW BY OWNER OR OWNER'S A/E REPRESENTATIVE.**
- MATERIALS - SOIL:** PLANTING SOIL/COMPACTED TOPSOIL SHALL MEET THESE REQUIREMENTS:
 1. SEEDING AREAS = 7"
 2. PLANTED AREAS AND PARKING ISLANDS = 20"
 PLANTING SOIL TO BE A MINIMUM 7" DEPTH, UNLESS OTHERWISE SPECIFIED AS ABOVE OR ON DETAILS. TOPSOIL TO BE CLEAN, FRAGILE LOAM FROM LOCAL SOURCE, FREE FROM STONES OR DEBRIS OVER 3/4" IN DIAMETER, AND FREE FROM TOXINS. TOPSOIL SHALL HAVE A PH BETWEEN 6 AND 7. TOPSOIL AND PLANTING SOIL SHALL BE TESTED TO CONFORM TO THESE SPECIFICATIONS AND SHALL BE AMENDED TO MEET THESE SPECIFICATIONS. DO NOT PLACE FROZEN OR MUDDY TOPSOIL. APPLY SOIL AMENDMENTS TO ALL LANDSCAPE BEDS PER SOIL TEST.
- MATERIALS - PRE-EMERGENT:** PRE-EMERGENT HERBICIDE TO BE APPLIED TO ALL PLANTING AREAS PRIOR TO LANDSCAPE INSTALLATION.
- MATERIALS - EDGING:** EDGING SHALL BE 5" DEEP, BLACK, POLYETHYLENE EDGING 'VALLEY VIEW BLACK DIAMOND' OR APPROVED EQUIVALENT AS APPROVED BY OWNER, EXCEPT FOR TREE RINGS. ALL DECIDUOUS AND EVERGREEN TREES NOT WITHIN EDGED LANDSCAPE PLANTING BEDS SHALL BE INSTALLED WITH A 5' DIAMETER TREE RING WITH SHOVEL CUT EDGING 5" IN DEPTH.
- SEEDING:** ALL DISTURBED AREAS SHALL BE SEEDING AS SPECIFIED IN THESE NOTES.
- MATERIALS - SEED:** ALL LAWN SEED SHALL BE EARTH CARPET'S 'SURVVOR' OR OWNER APPROVED EQUIVALENT AS APPROVED BY THE OWNER'S REPRESENTATIVE, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. IN ADDITION TO LAWN SEED, ANNUAL RYE SHALL BE APPLIED TO ALL DISTURBED AREAS AT A RATE OF 6 LBS PER 1000 SQUARE FEET. FERTILIZE AND MULCH PER MANUFACTURER'S RECOMMENDATIONS.
- MATERIALS - SEED:** BIORETENTION AREA TO BE HAND SEEDING WITH 'DIVERSE PRAIRIE FOR MEDIUM SOILS' SEED MIX (ITEM NO. 50012) AS PROVIDED BY PRAIRIE NURSERY, P.O. BOX 306, WESTFIELD, WISCONSIN, 53964, TEL. 608-296-3679. INSTALL SEED WITH SUPPLEMENTAL MATERIALS AND AMENDMENTS AS RECOMMENDED BY SEED SUPPLIER AND AT RATES AND OPTIMUM TIMES OF THE YEAR AS RECOMMENDED BY THE SEED SUPPLIER TO ENSURE SUCCESSFUL GERMINATION AND SEED/ROOT ZONE GROWTH DEVELOPMENT.
- MATERIALS - FERTILIZER AND MULCH:** TREES RINGS (TREES NOT WITHIN PLANTING BEDS OUTSIDE OF FENCE AREA) SHALL RECEIVE FINELY SHREDDED, WEED FREE, HARDWOOD BARK MULCH (DYE-FREE) SPREAD TO A CONSISTENT DEPTH OF 4 INCHES OVER ENTIRE PLANTING BED OR TREE RING, UNLESS OTHERWISE SPECIFIED ON PLANS. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE OF WISCONSIN REQUIREMENTS.
- MATERIALS - MULCH:** AREA WITHIN FENCE LIMITS TO RECEIVE CRUSHED GRAVEL. SIZE AND COLOR TO BE DETERMINED BY OWNER PRIOR TO FINAL CONSTRUCTION DOCUMENTS.
- MATERIALS - WEED BARRIER FABRIC:** ALL PLANTING AREAS AND FENCED AREA WITH CRUSHED GRAVEL SHALL BE INSTALLED WITH WEED BARRIER FABRIC. NO PLASTIC/IMPERVIOUS BARRIERS WILL BE PERMITTED. EXAMPLE: BLACK VISCOQUEEN.
- PRUNING:** THE CONTRACTOR SHALL PRUNE ALL TREES AND REPAIR ANY INJURIES THAT OCCURRED DURING THE PLANTING PROCESS. DOUBLE LEADERS, DEAD BRANCHES, AND LIMBS DAMAGED OR BROKEN DURING THE PLANTING PROCESS SHALL BE PRUNED. THIS SHALL BE THE ONLY PRUNING ALLOWED AT PLANTING. PRUNING SHALL CONFORM TO AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. PRUNE TREES IN ACCORDANCE WITH NAA GUIDELINES. DO NOT TOP TREES. PRUNE SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES. ON CUTS OVER 3/4" IN DIAMETER AND BRUISES OR SCARS ON BARK, TRACE THE INJURED CAMBIUM LAYER BACK TO LIVING TISSUE AND REMOVE. SMOOTH AND SHAPE WOUNDS SO AS NOT TO RETAIN WATER AND COAT THE TREATED AREA WITH AN APPROVED ANTISEPTIC TREE PAINT.
- CLEANUP:** DISPOSE OF EXCESS SOIL. REMOVE ALL CUTTINGS AND WASTE MATERIALS. SOIL, BRANCHES, BINDING AND WRAPPING MATERIALS, REJECTED PLANTS, OR OTHER DEBRIS RESULTING FROM ANY PLANTING SHALL BE PROMPTLY CLEANED UP AND REMOVED. THE WORK AREA SHALL BE KEPT SAFE AND NEAT AT ALL TIMES UNTIL THE CLEANUP OPERATION IS COMPLETED. UNDER NO CIRCUMSTANCES SHALL THE ACCUMULATION OF SOIL, BRANCHES OR OTHER DEBRIS BE ALLOWED UPON A PUBLIC PROPERTY IN SUCH A MANNER AS TO RESULT IN A PUBLIC HAZARD. LIKEWISE, UNDER NO CIRCUMSTANCES SHALL ANY DEBRIS OR INCIDENTAL MATERIALS BE ALLOWED UPON ADJACENT PRIVATE PROPERTY.
- MAINTENANCE:** (CONTRACTOR) FOR ALL PLANTINGS, BUFFER AREAS AND SEEDING LAWN AREAS: THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS AND LAWN AREAS FOR AT LEAST A PERIOD OF 30 DAYS, OR UNTIL FINAL ACCEPTANCE FROM THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY WATERING PLANTS AND LAWN DURING THIS 30 DAY ESTABLISHMENT PERIOD. CONTRACTOR IS RESPONSIBLE FOR THE ESTABLISHMENT OF HEALTHY VIGOROUS PLANT MATERIALS AND LAWN/TURFGRASS GROWTH. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRUNING OF PLANT MATERIALS, AND SHAPING AND/OR REPLACEMENT OF DEFICIENT BARK MULCH DURING THIS PERIOD.
- MAINTENANCE:** (OWNER) THE OWNER IS RESPONSIBLE FOR THE CONTINUED MAINTENANCE, REPAIR AND REPLACEMENT OF ALL LANDSCAPING MATERIALS AND SEEDING AREAS AS NECESSARY FOLLOWING THE ONE (1) YEAR PLANT GUARANTEE PERIOD.

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ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY, THE CONTRACTOR AND SUBCONTRACTORS MUST CHECK ALL DETAIL AND DIMENSIONS OF THEIR TRADE AND BE RESPONSIBLE FOR THE SAME.

DESIGN: JLF 08-26-11
 DRAWN: JLF 06-03-13
 APPROVED:

PLAN MODIFICATIONS:	DATE:

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SHEET TITLE:
**LANDSCAPE DETAILS
 & SPECIFICATIONS**

SHEET NUMBER:
L-2.0

File: I:\2006 (Tm)\052494\052494.dwg - Landscape Details & Specifications L-2.0 22x34 User: jfwhm PlotDate: Jun 04, 2013 - 3:05pm Xref's:

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MADISON COLLEGE PROPOSED BURN TOWER FACILITY OVERVIEW



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MADISON COLLEGE PROPOSED BURN TOWER FACILITY NORTH ENTRY



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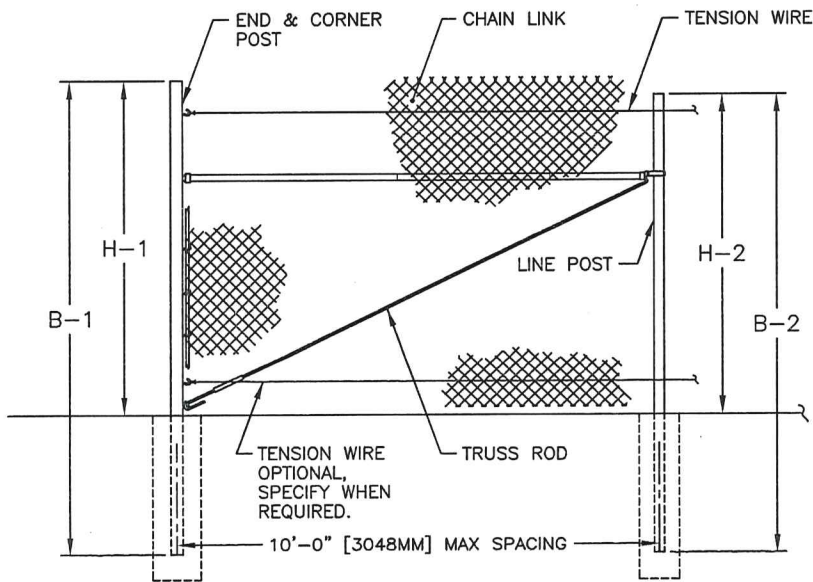
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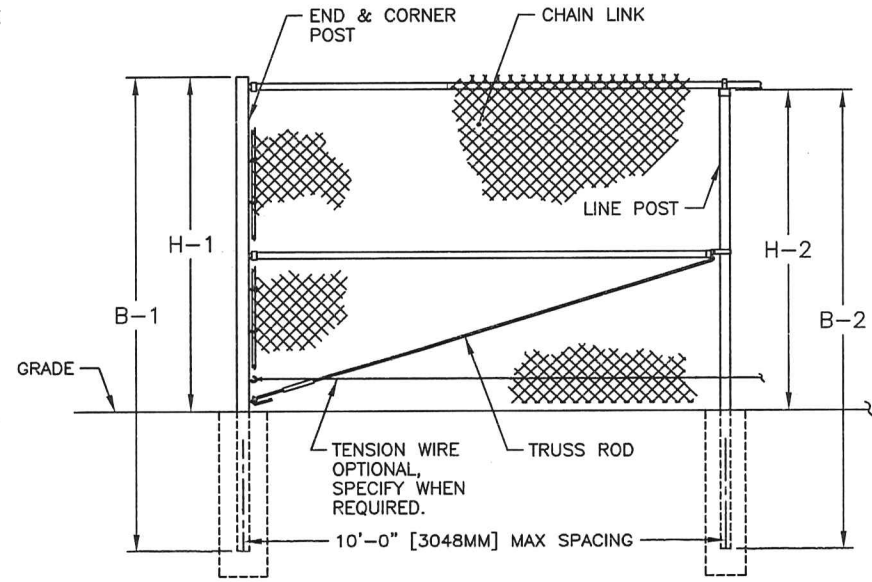
MADISON COLLEGE PROPOSED BURN TOWER FACILITY PEARSON ST.



MADISON COLLEGE PROPOSED BURN TOWER FACILITY SOUTH ENTRY



FENCE SECTION ELEVATION
WITHOUT TOP RAIL & WITHOUT BARBED WIRE



FENCE SECTION ELEVATION
WITH TOP RAIL & WITHOUT BARBED WIRE

FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
	NOMINAL HEIGHT	B-1 BAR LENGTH	H-1 HEIGHT ABOVE GRADE	B-2 BAR LENGTH
5'-0" [1524MM]	8'-0" [2438MM]	5'-0 5/8" [1540MM]	7'-8" [2337MM]	4'-8 7/8" [1445MM]
6'-0" [1829MM]	9'-0" [2743MM]	6'-0 5/8" [1845MM]	8'-8" [2642MM]	5'-8 7/8" [1749MM]
7'-0" [2134MM]	10'-0" [3048MM]	7'-0 5/8" [2150MM]	9'-8" [2946MM]	6'-8 7/8" [2054MM]
8'-0" [2438MM]	11'-0" [3353MM]	8'-0 5/8" [2454MM]	10'-8" [3251MM]	7'-8 7/8" [2359MM]
9'-0" [2743MM]	12'-0" [3658MM]	9'-0 5/8" [2759MM]	11'-8" [3556MM]	8'-8 7/8" [2664MM]
10'-0" [3048MM]	13'-0" [3962MM]	10'-0 5/8" [3064MM]	12'-8" [3861MM]	9'-8 7/8" [2969MM]
11'-0" [3353MM]	14'-0" [4267MM]	11'-0 5/8" [3369MM]	13'-8" [4166MM]	10'-8 7/8" [3273MM]
12'-0" [3658MM]	15'-0" [4572MM]	12'-0 5/8" [3674MM]	14'-8" [4470MM]	11'-8 7/8" [3578MM]

- NOTES:
 1. THIS DWG CORRESPONDS WITH DWGS 1-1110 & 1-1130.
 2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.



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DIMENSIONS & SPECIFICATIONS

BY: JRR
 DATE: 09-27-95
 REV: C
 REV DATE: 08-04-06

DWG: 1-1000
 LAYER: 1
 SCALE: 1/4" = 1'-0"

Submitted by Enterprise Lighting, LTD.



Job Name:
MATC Truax Landscape

Catalog Number:
ARE-EDG-3MB-DA-08-D-UL-350-BK-43K

Notes: single head

Type:

S1

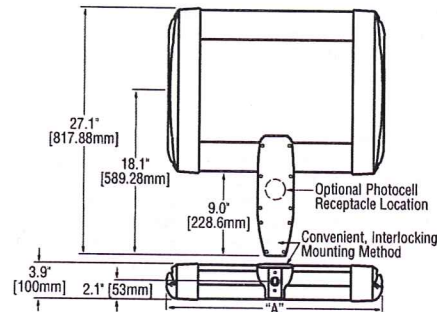
ELL12-23054

ARE-EDG-3M-DA THE EDGE® LED Area Light – Type III Medium

Rev. Date: 8/23/11



Notes:



# of LEDs	Dim. "A"
20	12.06" [306mm]
40	12.06" [306mm]
60	14.06" [357mm]
80	16.06" [408mm]
100	18.06" [459mm]
120	20.06" [510mm]
140	22.06" [560mm]
160	24.06" [611mm]
200	28.06" [713mm]
240	32.06" [814mm]

Product	Family	Optic	Mounting	# of LEDs (x 10)	LED Series	Voltage	Color Options	Drive Current Not Field Adjustable	Factory-Installed Options Please type additional options in manually on the lines provided above.
ARE	EDG	3M ¹ 3MB ²	DA ³	02 04 06 08 10 12 14 16 20 24	D	UL 120-277V UL 347-480V 34 347V	SV Silver BK Black BZ Bronze PB Platinum Bronze WH White	350 350mA 525 ⁴ 525mA 700 ⁵ 700mA	43K 4300K Color Temperature ⁶ DIM 0-10V Dimming ^{7,8,9} F Fuse ^{10,11,12} HL Hi/Low (175/350/525, dual circuit input) ¹³ P Photocell ^{12,14} R NEMA Photocell Receptacle ^{12,15,16} ML Multi-Level (75/525) ¹³

Footnotes

- IESNA Type III Medium distribution
- IESNA Type III Medium distribution w/ backlight control
- Direct mounting arm for use with 3-6" (76-152mm) square or round pole
- Available on fixtures with 20-160 LEDs
- Available on fixtures with 20-60 LEDs
- Color temperature per fixture; 6000K standard; minimum 70 CRI
- Control by others
- Refer to dimming spec sheet for availability and additional information
- Not available when UH voltage is selected
- When code dictates fusing use time delay fuse
- Not available with all multi-level options. Refer to the multi-level spec sheet for availability and additional information
- Refer to multi-level spec sheet for availability and additional information
- Must specify voltage other than UH
- Intended for horizontal mounting
- Photocell by others

LED PERFORMANCE SPECS

# of LEDs	Initial Delivered Lumens – Type III Medium @ 6000K	B U G			Initial Delivered Lumens – Type III Medium w/ backlight control @ 6000K	B U G			Initial Delivered Lumens – Type III Medium @ 4300K	B U G			System Watts 120-480V	Total Current @ 120V	Total Current @ 240V	Total Current @ 277V	Total Current @ 347	Total Current @ 480V	L ₈₀ Hours* @ 25° C (77° F)	50K Hours Lumen Maintenance Factor* @ 15° C (59° F)				
		Rating**	Rating**	Rating**		Rating**	Rating**	Rating**																
350mA Fixture Operating at 25° C (77° F)																								
20	1,814 (02)	1	1	1	1,342 (02)	0	1	1	1,672 (02)	1	1	1	1,237 (02)	0	1	1	26	0.20	0.11	0.10	0.09	0.07	>150,000	93%
40	3,628 (04)	1	1	1	2,683 (04)	1	1	1	3,343 (04)	1	1	1	2,473 (04)	0	1	1	47	0.40	0.21	0.19	0.15	0.12	>150,000	
60	5,371 (06)	2	2	2	3,973 (06)	1	2	1	4,950 (06)	2	2	2	3,662 (06)	1	2	1	68	0.58	0.30	0.26	0.20	0.16	>150,000	
80	7,161 (08)	2	2	2	5,298 (08)	1	2	2	6,600 (08)	2	2	2	4,882 (08)	1	2	1	90	0.77	0.38	0.34	0.26	0.20	>150,000	
100	8,929 (10)	3	3	3	6,605 (10)	1	3	2	8,230 (10)	2	2	2	6,088 (10)	1	2	2	111	0.95	0.47	0.42	0.32	0.24	>150,000	
120	10,715 (12)	3	3	3	7,926 (12)	1	3	2	9,876 (12)	3	3	3	7,305 (12)	1	3	2	132	1.15	0.56	0.50	0.38	0.28	>150,000	
140	12,444 (14)	3	3	3	9,205 (14)	1	3	2	11,469 (14)	3	3	3	8,484 (14)	1	3	2	157	1.34	0.67	0.61	0.47	0.35	149,000	
160	14,222 (16)	3	3	3	10,520 (16)	1	3	2	13,108 (16)	3	3	3	9,696 (16)	1	3	2	179	1.54	0.76	0.68	0.53	0.39	149,000	
200	17,778 (20)	3	3	3	13,151 (20)	2	3	3	16,385 (20)	3	3	3	12,120 (20)	1	3	2	221	1.92	0.95	0.84	0.65	0.48	149,000	
240	21,333 (24)	3	3	3	15,781 (22)	2	3	3	19,662 (24)	3	3	3	14,544 (24)	2	3	3	264	2.30	1.12	1.00	0.77	0.56	149,000	
525mA Fixture Operating at 25° C (77° F)																								
20	2,539 (02)	1	1	1	1,878 (02)	0	1	1	2,340 (02)	1	1	1	1,731 (02)	0	1	1	37	0.31	0.17	0.16	0.12	0.10	136,000	92%
40	5,079 (04)	2	2	2	3,757 (04)	1	2	1	4,681 (04)	2	2	2	3,462 (04)	1	2	1	70	0.57	0.29	0.26	0.21	0.16	136,000	
60	7,520 (06)	2	2	2	5,562 (06)	1	2	2	6,930 (06)	2	2	2	5,127 (06)	1	2	1	102	0.87	0.44	0.39	0.30	0.22	129,000	
80	10,026 (08)	3	3	3	7,417 (08)	1	3	2	9,240 (08)	3	3	3	6,835 (08)	1	3	2	133	1.14	0.56	0.49	0.39	0.29	129,000	
100	12,501 (10)	3	3	3	9,247 (10)	1	3	2	11,521 (10)	3	3	3	8,523 (10)	1	3	2	172	1.47	0.75	0.67	0.51	0.38	128,000	
120	15,001 (12)	3	3	3	11,097 (12)	1	3	2	13,826 (12)	3	3	3	10,227 (12)	1	3	2	204	1.76	0.88	0.78	0.60	0.44	128,000	
140	17,422 (14)	3	3	3	12,888 (14)	2	3	2	16,057 (14)	3	3	3	11,878 (14)	1	3	2	233	2.01	0.99	0.87	0.69	0.51	123,000	
160	19,911 (16)	3	3	3	14,729 (16)	2	3	2	18,351 (16)	3	3	3	13,575 (16)	2	3	3	265	2.29	1.11	0.98	0.78	0.57	123,000	
700mA Fixture Operating at 25° C (77° F)																								
20	3,102 (02)	1	1	1	2,281 (02)	0	1	1	2,858 (02)	1	1	1	2,102 (02)	0	1	1	50	0.42	0.22	0.20	0.15	0.12	111,000	
40	6,203 (04)	2	2	2	4,562 (04)	1	2	1	5,717 (04)	2	2	2	4,204 (04)	1	2	1	93	0.79	0.40	0.35	0.27	0.20	111,000	
60	9,185 (06)	3	3	3	6,754 (06)	1	3	2	8,465 (06)	2	3	2	6,225 (06)	1	2	2	137	1.18	0.59	0.51	0.39	0.29	111,000	

* For recommended lumen maintenance factor data see TD-13

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf

NOTE: All data subject to change without notice.

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