



PLANT SCHEDULE			
PLANT CODE	QUANTITY	PLANT NAME	ROOT TYPE
GN	617	OLEFETIA TRACHANTHOS	2-1/2" B&B
		SCOLIE HONEY LOCUST	2-1/2" B&B
CO	470	CELTIS OCCIDENTALIS	
		COMMON HONEY LOCUST	
CCI	810	CRATAEGUS CRUP-ALBA VARIETAS CRUP-BA	1" B&B
		CRUSAIDER THORN-LESS CRATAEGUS PARVIFLORA	
	210	EXISTING EVERGREEN TREE (PACHA COUNT)	
	210	EXISTING CANOPY TREE	
UN	610	ULMUS S. NEW HORIZON	2-1/2" B&B

PARKING LOT SITE INFORMATION

SITE ADDRESS: 3010 DABSO DRIVE, JACKSON, MI 48374
SITE ACREAGE: 3.42
USE OF PROPERTY: COMMUNITY CENTER

NUMBER OF BUILDING STORIES (ABOVE GRADE): 1
BUILDING HEIGHT: 18 FEET
TYPE OF CONSTRUCTION: TOTAL SQUARE FOOTAGE.

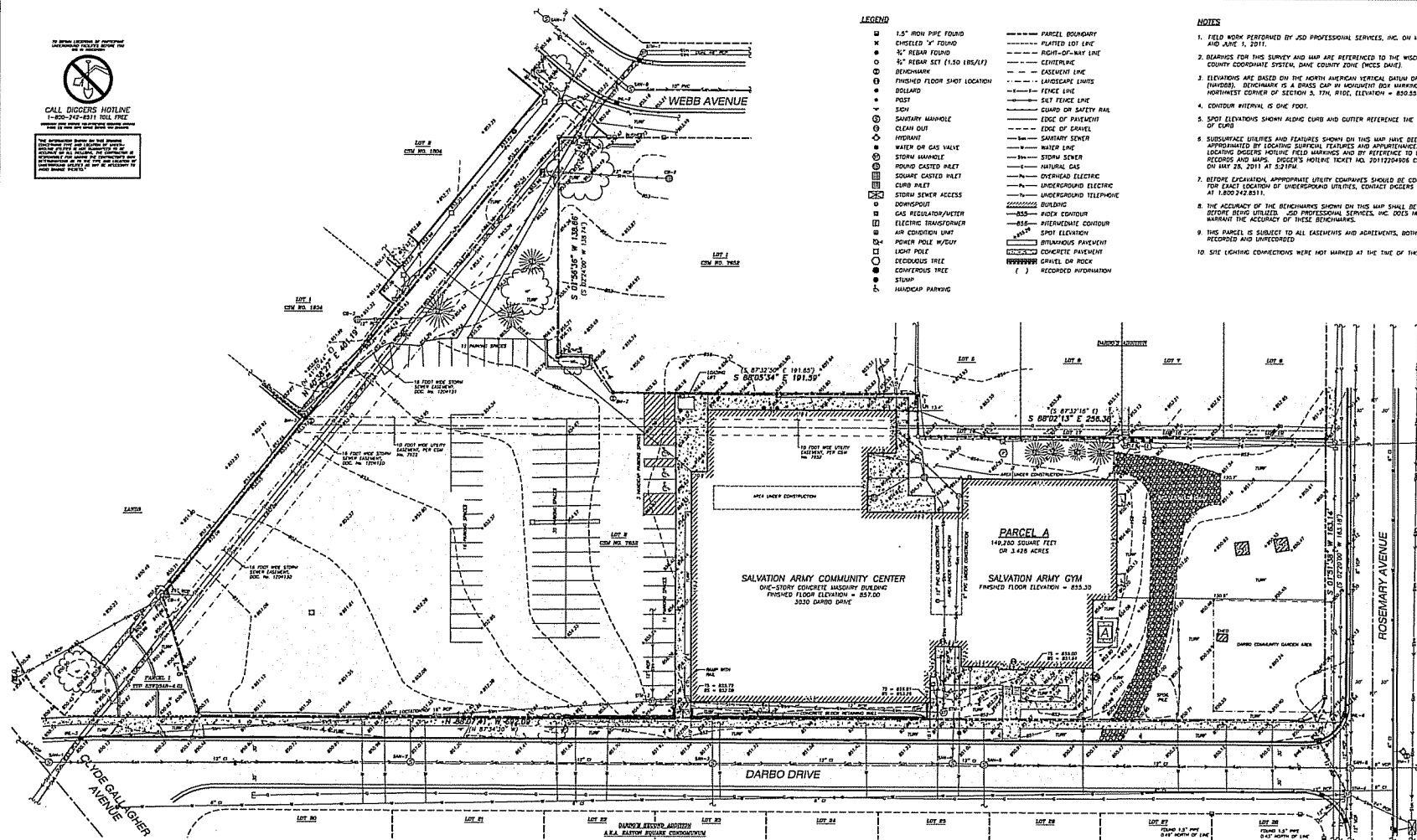
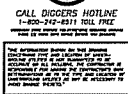
<u>SUMMARY OF PARKING STATUS:</u>			
	<u>Present Day</u>	<u>2011 Application</u>	<u>Proposed</u>
Crash Lay	0	0	
Lays	152	140	159+79
Access	4	7	
Total	156	145	123 W/ 29 E = 145

MINIMUM NUMBER OF STALLS REQUIRED (76,113/100)
CYANUS/BLUE STALLS EQUAL TO 10% OF OCCUPANTS.
12,000 SF CYANUS/BLUE IS 5% OCCUPANT = 840 OCCUPANT OR 84 STALLS
MAIN BUILDING:
OFFICE PORTION 17,834 SF @ 1 STALL PER 300 SF = 59.78 OR 59 STALLS
ASSEMBLY USE (CAFETERIA): 100 OCCUPANTS (100%) = 10 STALLS
ASSEMBLY USE (THEATRE) 27,422: 121 OCCUP. (100%) = 12 STALLS

TOTAL MINIMUM NUMBER OF STALLS: 105 STALLS

TOTAL NUMBER OF RIDE RACKS (172 = 34 POTENTIAL SPOTS FOR RIDE)





SANITARY SEWER MANHOLES						
STRUCT. ID	RM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE	
S401-1	830.57	108	844.53	12"	VCPI	
S401-2	831.11	H	844.02	12"	VCPI	
		H	844.07	12"	VCPI	
		H	841.29	8"	CF	
S401-3	831.98	H	841.78	12"	VCPI	
		H	841.78	12"	VCPI	
		H	841.26	8"	CF	
S401-4	831.26	H	841.26	8"	CF	
		H	841.19	12"	VCPI	
		H	841.13	8"	VCPI	
S401-5	831.07	H	841.13	8"	VCPI	
		H	841.07	12"	VCPI	
		H	841.72	8"	CF	
S401-6	849.88	H	842.37	8"	CF	
		H	842.03	12"	VCPI	
		H	841.13	12"	VCPI	
S401-7	853.00	H	842.23	8"	VCPI	
		H	842.08	12"	VCPI	
		H	841.06	12"	VCPI	
S401-8	851.81	108	845.10	10"	PVC	
		108	845.10	10"	PVC	
		108	845.26	10"	PVC	

STORM SEWER MANHOLES					
STRUCT. ID	RAW ELEVATION	INVERT	Ø (IN.)	PIPE SIZE	PIPE TYPE
STM-1	853.13	SW	Ø 48.43	24" Ø	RCP
		E	Ø 40.43	24" Ø	RCP
STM-2	852.01	W	Ø 40.71	12" Ø	RCP
		E	Ø 40.71	12" Ø	RCP
STM-3	855.12	W	Ø 47.07	12" Ø	RCP
		H	Ø 47.04	12" Ø	RCP
		E	Ø 47.02	12" Ø	RCP
STM-4	849.04	H	Ø 46.24	12" Ø	RCP
		HW	Ø 46.24	12" Ø	RCP
		W	Ø 46.24	12" Ø	RCP
		S	Ø 46.24	12" Ø	RCP
		SW	Ø 46.24	12" Ø	RCP

STORM SEWER INLETS					
INLET ID	ROW ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
INL-1	837.44	MC	846.40	48"	RCP
MC-2	842.55	SW	842.55	48"	RCP
CB-1	837.59	SAIDOLE	834.59	48"	RCP
CB-2	832.44	N	849.19	12"	RCP
CB-3	831.07	E	847.47	18"	RCP
CB-4	846.71	SW	846.01	24"	RCP
INL-3	849.87	SAIDOLE	845.57	3' DIA	CONC. BOX
CB-5	849.68	N	845.58	24"	RCP
INL-4	848.99	NE	845.50	24"	RCP
INL-5	848.99	SE	845.50	12"	RCP

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C-1	23.39'	15.00'	89°20'41"	14.81'	21.09'	S 47°12'33" W
()	-	-	90°05'30"	-	21.23'	S 47°27'45" W

BENCHMARKS		
BENCH MARK	ELEVATION	DESCRIPTION
BM-1	852.79	TOP NUT ON HYDRANT (EAST SIDE) ROSEMARY AVENUE.
BM-2	855.27	3/4" REBAR
BM-3	852.87	3/4" REBAR

LINE	ICARANG	DETAH
L-1	S 49'40"11"	33.87
	S 49'00"40"	36.16
L-2	N 88'32"10"	31.81
	N 87'34"30"	31.81
L-3	S 87'32"55"	21.18
	S 88'48"00"	20.81
L-4	S 10'21"20"	28.30
	S 29'49"00"	28.42
L-5	S 01'10"29"	28.52
	S 02'18"04"	28.57
L-6	N 15'35'49"	29.70
	N 15'38'15"	29.72

NOTE

1. FIELD WORK PERFORMED BY TWO PROFESSIONAL SERVICES, ONE ON MAY 31 AND ONE ON JUNE 1, 2011.
2. REARINGS FOR THIS SURVEY AND AREA ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY ZONE (DCESS DATA).
3. ELEVATIONS ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83). BENCHMARK IS A BRASS CAP IN MONUMENT BOX 830555 THE NORTHWEST CORNER OF SECTION 3, T19N, R10E, ELEVATION = 830.55'.
4. CONTOUR INTERVAL IS ONE FOOT.
5. DUST ELEVATIONS SHOWN ALONG CURVES AND GUTTER REFERENCE THE TOP BACK OF CURB.
6. SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROPRIATED BY LOCATING SURFACE FEATURES AND APPURTENANCES. LOCATIONS OF ALL UTILITY HOLES, MANHOLES, AND OTHER UTILITY RECORDS AND MANHOLES. DGSCHER'S HOLES TICKET NO. 20112724908 ELATED AT 52.91'.
7. BEFORE CREATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DGSCHER'S HOLES, AT 608.781.1100.
8. THE ACCURACY OF THE REARINGS SHOWN ON THIS MAP SHALL BE VERIFIED BEFORE REUSE SURVEY. GEO PROFESSIONAL SERVICES, INC. DOES NOT ASSUME ANY LIABILITY FOR THESE REARINGS.
9. THIS PARCEL IS SUBJECT TO ALL EASEMENTS AND AGREEMENTS, BOTH OF RECORD AND UNRECORDED.
10. SITE LOCATING CONVEYED DOES NOT WARRANT AT THE TIME OF THIS SURVEY.

EXISTING CONDITIONS SURVEY

PART OF LOT 2, CERTIFIED SURVEY MAP NO. 7652, AS RECORDED IN VOLUME 40 OF THE PUBLIC RECORDS OF DANE COUNTY, WISCONSIN, BEING A PART OF THE NORTHWEST QUARTER AND THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 5, TOWNSHIP 7 NORTH, RANGE 10 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN.

ISD Professional Services, Inc.
Engineers • Surveyors • Planners

LEGAL DESCRIPTION

PART OF LOT 2, CERTIFIED SURVEY MAP NO. 7652, RECORDED IN VOLUME 48 OF DAKE COUNTY CERTIFIED SURVEY MAPS ON PAGES 47-48 AS DOCUMENT NUMBER 2543258, EXCEPT THAT PORTION DEEDED TO THE CITY OF MADISON IN 1985 AND DEED TO PUBLIC IN 1987, RECORDED IN DOCUMENT NO. 4229987, WAS PARTICULARLY DESCRIBED IN S. PACELI, L.P. NO. 5304348-4.01, AS PARTICIPANT IN DOCUMENT NO. 4197884, AND FILED IN VOLUME 30 PLATS, PAGE 48, DAKE COUNTY REGISTER OF DEEDS OFFICE, CITY OF MADISON, DAKE COUNTY, WISCONSIN.

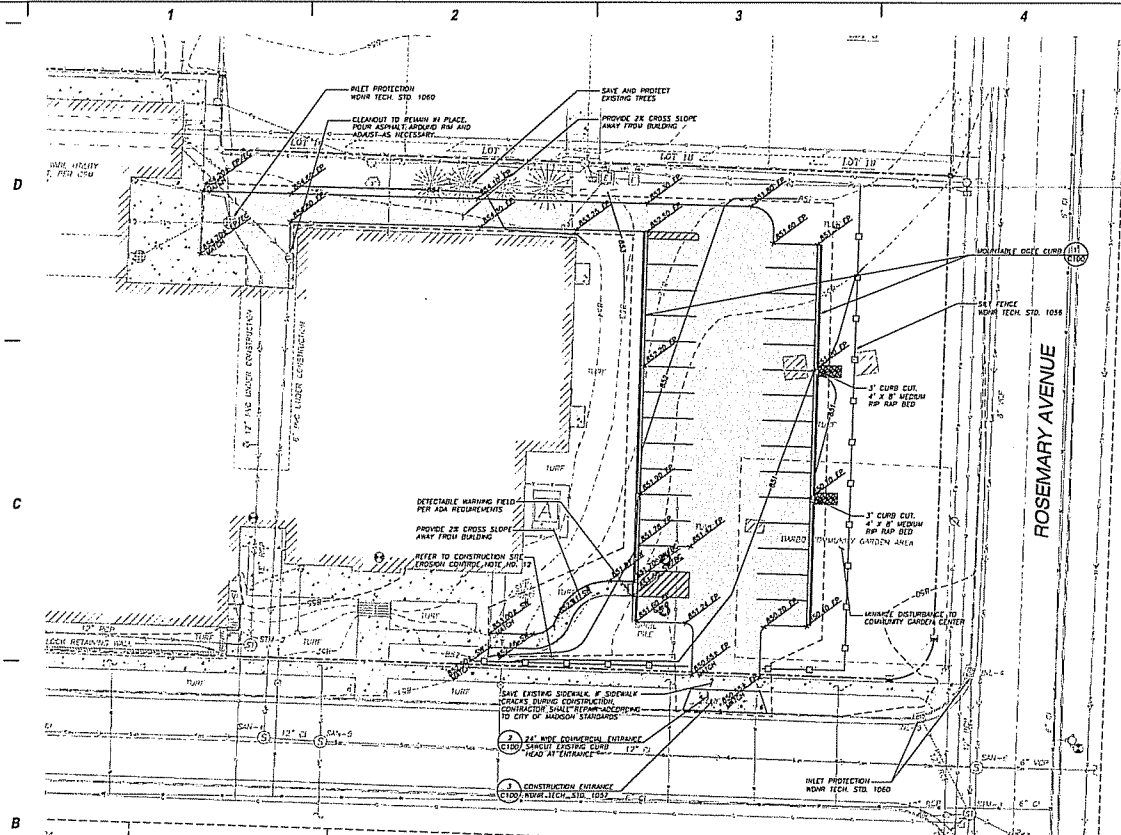
TAX KEY NO: 0710-032-1005-1

SURVEYOR'S CERTIFICATE

I, JOHN KREBS, WISCONSIN REGISTERED LAND SURVEYOR NO. 9-1878, HEREBY CERTIFY THAT THIS EXISTING CONDITION SURVEY AND MAP IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF IN ACCORDANCE WITH THE INFORMATION PROVIDED.

JOHN KREBS, S-1078
REGISTERED LAND SURVEYOR

PROJECT NO: 10-42625
FILE NO: D-154
SURVEYED: JWS/MSO
F.I.L. NO/PG: 249/23
SHEET NO: 1 OF 1



LEGEND (PROPOSED)

---	PROPERTY LINE
---	PROPOSED 1 FOOT CONTOUR
---	PROPOSED 5 FOOT CONTOUR
---	EDGE OF PAVEMENT
---	EDGE OF PAVEMENT
---	LIMITS OF DISTURBANCE
---	ASPHALT PAVEMENT
---	CONCRETE PAVEMENT

GENERAL NOTES

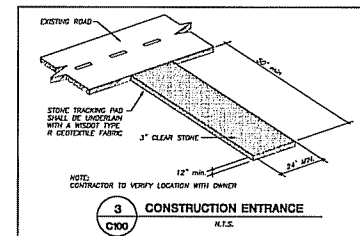
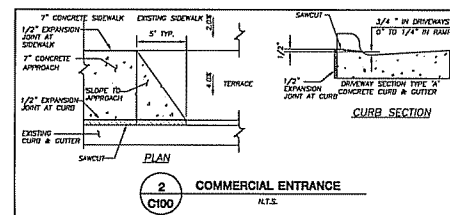
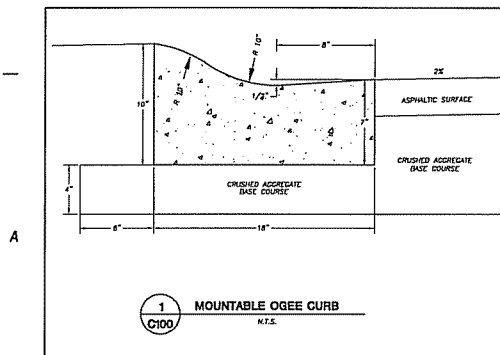
1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. ALL WORK IN THE ROW AND/OR PUBLIC PLACEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION IN WISCONSIN AND CITY OF MADISON STANDARD SPECIFICATIONS.
3. EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS. REPORT ANY DISCREPANCY TO THE ENGINEER PRIOR TO CONSTRUCTION.
4. NO SITE GRADING OUTSIDE OR DOWNHOLE OF PROPOSED SLOPE LOCATION. NO LAND DISTURBANCE OUTSIDE OF CONSTRUCTION LIMITS LINE.
5. 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 OF ALL REGULATORY AGENCIES.
6. DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.

CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DESIGNED AND IMPLEMENTED IN ACCORDANCE WITH THE CURRENT EROSION CONTROL STANDARDS FOR CONSTRUCTION. TECHNICAL STANDARDS WHICH ARE AVAILABLE AT: <http://www.dnr.state.wi.us/funshi/technicalstandards.htm>
2. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIALS AS SHOWN ON PLAN. ADJUSTMENTS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNFORESEEN FIELD CONDITIONS IF MODIFICATIONS CONFORM TO NEWM TECHNICAL STANDARDS.
3. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE MAINTAINED AT THE END OF EACH WORK DAY.
4. INSPECT EROSION CONTROL MEASURES AFTER EACH 1/2" OR GREATER RAINFALL. REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION. REPORT INSPECTIONS TO CITY OF MADISON PER ONLINE EROSION CONTROL REPORTING WEBSITE.
5. EROSION CONTROL MEASURES SHALL BE REMOVED BY THE CONTRACTOR ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.
6. INSTALL A TRACKING PAD, 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. TRACKING PADS ARE TO BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING PADS OR ANY SEDIMENT ONTO THE ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
7. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES. STOCKPILES TO REMAIN UNDISTURBED FOR 7 OR MORE DAYS SHALL BE STABILIZED BY SEEDING, MULCHING, OR OTHER APPROPRIATE METHOD.
8. INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AND IN FRONT OF SLOPE EROSION IN ANY LOW AREA ALL IN ACCORDANCE WITH NEWM TECHNICAL STANDARDS.
9. INSTALL TYPE D INLET PROTECTION AROUND ALL STORM SEWER INLETS AND CATCH BASINS THAT MAY RECEIVE RUNOFF FROM AREAS UNDER CONSTRUCTION. REFER TO CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR RESPECTIVE DETAILS. THIS INCLUDES ANY PUBLIC STORM SEWER INLETS WITHIN 500 FEET DOWNSTREAM OF THE SITE.
10. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, AND/OR ENGINEER SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
11. ALL SLOPES EXCEEDING 4:1 (25%) AND DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS B TYPE B EROSION MATING, AS REQUIRED. CONTRACTOR SHALL PROVIDE PRODUCT SPECIFICATIONS TO PROJECT ENGINEER FOR APPROVAL.
12. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO NEWM TECHNICAL STANDARDS 106B.

GRADING AND SEEDING NOTES

1. ALL DISTURBED AREAS SHALL BE SEEDING AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SEED SHALL BE PLANTED PER LANDSCAPE PLAN.
2. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES. MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL WATER ALL NEWLY SEEDING AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
4. CONTRACTOR TO KEEP ALL ALL COMPACTED PAVED SURFACES PRIOR TO SEEDING AND MULCHING.



JSD Professional Services, Inc.
Engineers • Surveyors • Planners

"HOLDING ALL LICENSES WITH A
COMMITMENT TO EXCELLENCE AND INTEGRITY
THROUGH TRUST, QUALITY, AND EXPERIENCE"

• CIVIL ENGINEERING
• SURVEYING & MAPPING
• CONSTRUCTION SERVICES
• WATER RESOURCES
• PLANNING & DEVELOPMENT
• TRANSPORTATION ENGINEERING
• STRUCTURAL ENGINEERING
• LANDSCAPE ARCHITECTURE
MADISON REGIONAL OFFICE
18 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
TEL: 608.255.0000 FAX: 608.255.0001
MADISON • MILWAUKEE
KANSAS CITY • APPLETON
www.jsdinc.com

euta
appstein uhen : architects
MILWAUKEE 313 East Chicago Street
MILWAUKEE, WISCONSIN 53202
TEL: 414.271.5201 FAX: 414.271.9199
MADISON 212 West Monmouth Ave. 5th Fl.
MADISON, WISCONSIN 53703
TEL: 608.447.3057 FAX: 608.447.3058

PROJECT INFORMATION

**SALVATION ARMY -
PARKING LOT
RENOVATION**

3030 DARBO DRIVE
MADISON, WI 53714

ISSUANCE AND REVISIONS

**CONSTRUCTION
DOCUMENTS**

REVISIONS

#	DATE	DESCRIPTION

SHEET INFORMATION

PROJECT MANAGER
PROJECT NUMBER 10-4262
DATE 5-6-12

**PARKING LOT
GRADING & EROSION
CONTROL PLAN**

C100

© Epsilon Urban Architects, Inc.

© Eppstein Lipman Architects, Inc.

[illegible][illegible][illegible]

Section 1: Personnel Data		Section 2: Incident Details	
1. Name (Last, First, Middle) 2. Date of Birth (MM/DD/YYYY) 3. Social Security Number (XXX-XX-XXXX) 4. Current Address (Street, City, State, ZIP) 5. Phone Number (Area Code, Number) 6. Email Address 7. Date of Hire (MM/DD/YYYY) 8. Position Title 9. Department/Division 10. Supervisor's Name 11. Date of Last Training (MM/DD/YYYY) 12. Training Hours Completed (Total, Recent)		1. Incident Number (e.g., 100-123456) 2. Date of Incident (MM/DD/YYYY) 3. Time of Incident (HH:MM) 4. Location (Address, City, State, ZIP) 5. Type of Incident (e.g., Burglary, Assault) 6. Description of Incident (Brief Summary) 7. Name of Reporting Officer (Last, First) 8. Date Reported (MM/DD/YYYY) 9. Time Reported (HH:MM) 10. Name of Investigating Officer (Last, First) 11. Date Investigated (MM/DD/YYYY) 12. Time Investigated (HH:MM)	
Section 3: Incident Details 1. Name of Victim (Last, First) 2. Date of Birth (MM/DD/YYYY) 3. Social Security Number (XXX-XX-XXXX) 4. Current Address (Street, City, State, ZIP) 5. Phone Number (Area Code, Number) 6. Email Address 7. Date of Incident (MM/DD/YYYY) 8. Time of Incident (HH:MM) 9. Location (Address, City, State, ZIP) 10. Type of Incident (e.g., Burglary, Assault) 11. Description of Incident (Brief Summary) 12. Name of Reporting Officer (Last, First) 13. Date Reported (MM/DD/YYYY) 14. Time Reported (HH:MM) 15. Name of Investigating Officer (Last, First) 16. Date Investigated (MM/DD/YYYY) 17. Time Investigated (HH:MM)		Section 4: Incident Details 1. Name of Victim (Last, First) 2. Date of Birth (MM/DD/YYYY) 3. Social Security Number (XXX-XX-XXXX) 4. Current Address (Street, City, State, ZIP) 5. Phone Number (Area Code, Number) 6. Email Address 7. Date of Incident (MM/DD/YYYY) 8. Time of Incident (HH:MM) 9. Location (Address, City, State, ZIP) 10. Type of Incident (e.g., Burglary, Assault) 11. Description of Incident (Brief Summary) 12. Name of Reporting Officer (Last, First) 13. Date Reported (MM/DD/YYYY) 14. Time Reported (HH:MM) 15. Name of Investigating Officer (Last, First) 16. Date Investigated (MM/DD/YYYY) 17. Time Investigated (HH:MM)	

[illegible]

① COOPER LIGHTING - LUMARK™

INTRODUCTION

The following information is intended to help you select the right Lumark lighting fixture for your application. It is not intended to be a substitute for the professional advice of a lighting designer or architect. For more information, please contact your local Lumark distributor or call 1-800-451-7627. Lumark Lighting is a leader in the design and manufacture of high quality lighting fixtures for a wide range of applications. Our products are designed to be reliable, durable, and easy to install. We offer a wide variety of lighting fixtures to meet your needs.

SELECTING THE RIGHT FIXTURE

When selecting a Lumark lighting fixture, there are several factors to consider. First, determine the type of lighting fixture you need for your application. Next, determine the size and wattage of the fixture. Finally, determine the finish and color of the fixture. The following information will help you select the right Lumark lighting fixture for your application.

Fixture Size

The size of the lighting fixture is determined by the size of the area it is intended to illuminate. The following table shows the recommended fixture size for different areas.

Area to be Illuminated
 10' x 10' Room: 1' x 1' fixture
 12' x 12' Room: 1' x 1' fixture
 14' x 14' Room: 1' x 1' fixture
 16' x 16' Room: 1' x 1' fixture
 18' x 18' Room: 1' x 1' fixture
 20' x 20' Room: 1' x 1' fixture
 22' x 22' Room: 1' x 1' fixture
 24' x 24' Room: 1' x 1' fixture
 26' x 26' Room: 1' x 1' fixture
 28' x 28' Room: 1' x 1' fixture
 30' x 30' Room: 1' x 1' fixture

Wattage

The wattage of the lighting fixture is determined by the number of watts it is rated to handle. The following table shows the recommended wattage for different fixture sizes.

Fixture Size
 1' x 1' fixture: 100 watts
 2' x 2' fixture: 400 watts
 3' x 3' fixture: 900 watts
 4' x 4' fixture: 1600 watts
 5' x 5' fixture: 2500 watts
 6' x 6' fixture: 3600 watts
 8' x 8' fixture: 6400 watts
 10' x 10' fixture: 10000 watts
 12' x 12' fixture: 14400 watts
 14' x 14' fixture: 19600 watts
 16' x 16' fixture: 25600 watts
 18' x 18' fixture: 32400 watts
 20' x 20' fixture: 40000 watts
 22' x 22' fixture: 48400 watts
 24' x 24' fixture: 57600 watts
 26' x 26' fixture: 67600 watts
 28' x 28' fixture: 78400 watts
 30' x 30' fixture: 90000 watts

NAME	DATE
ADDRESS	ZIP
CITY	STATE
PHONE	

Finish and Color

The finish and color of the lighting fixture are determined by the material it is made of. The following table shows the recommended finish and color for different fixture sizes.

Fixture Size
 1' x 1' fixture: White
 2' x 2' fixture: White
 3' x 3' fixture: White
 4' x 4' fixture: White
 5' x 5' fixture: White
 6' x 6' fixture: White
 8' x 8' fixture: White
 10' x 10' fixture: White
 12' x 12' fixture: White
 14' x 14' fixture: White
 16' x 16' fixture: White
 18' x 18' fixture: White
 20' x 20' fixture: White
 22' x 22' fixture: White
 24' x 24' fixture: White
 26' x 26' fixture: White
 28' x 28' fixture: White
 30' x 30' fixture: White

WSP HEAD SIZE
 1' x 1' fixture
 2' x 2' fixture
 3' x 3' fixture
 4' x 4' fixture
 5' x 5' fixture
 6' x 6' fixture
 8' x 8' fixture
 10' x 10' fixture
 12' x 12' fixture
 14' x 14' fixture
 16' x 16' fixture
 18' x 18' fixture
 20' x 20' fixture
 22' x 22' fixture
 24' x 24' fixture
 26' x 26' fixture
 28' x 28' fixture
 30' x 30' fixture

COOPER LIGHTING
 LUMARK™

COOPER LIGHTING, INC.
 10000 W. 10TH AVE., SUITE 100
 DENVER, CO 80231

1-800-451-7627

© 1994 COOPER LIGHTING, INC.

ALL RIGHTS RESERVED.

NO PART OF THIS PUBLICATION

may be reproduced without

the written permission of

Cooper Lighting, Inc.

Printed in the U.S.A.

COOPER LIGHTING, INC.

10000 W. 10TH AVE., SUITE 100

DENVER, CO 80231

1-800-451-7627

© 1994 COOPER LIGHTING, INC.

ALL RIGHTS RESERVED.

NO PART OF THIS PUBLICATION

may be reproduced without

COOPER LIGHTING - LUMARK™

SELECTING THE RIGHT FIXTURE

Fixture Size

The size of the lighting fixture is determined by the size of the area it is intended to illuminate. The following table shows the recommended fixture size for different areas.

Area to be Illuminated
 10' x 10' Room: 1' x 1' fixture
 12' x 12' Room: 1' x 1' fixture
 14' x 14' Room: 1' x 1' fixture
 16' x 16' Room: 1' x 1' fixture
 18' x 18' Room: 1' x 1' fixture
 20' x 20' Room: 1' x 1' fixture
 22' x 22' Room: 1' x 1' fixture
 24' x 24' Room: 1' x 1' fixture
 26' x 26' Room: 1' x 1' fixture
 28' x 28' Room: 1' x 1' fixture
 30' x 30' Room: 1' x 1' fixture

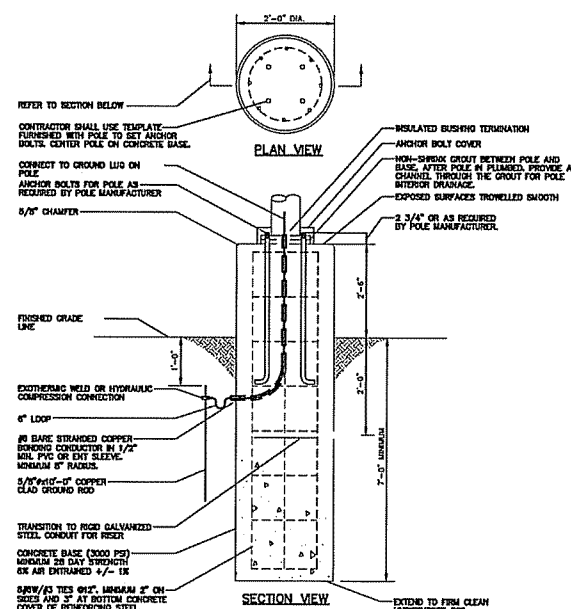
Wattage

The wattage of the lighting fixture is determined by the number of watts it is rated to handle. The following table shows the recommended wattage for different fixture sizes.

Fixture Size
 1' x 1' fixture: 100 watts
 2' x 2' fixture: 400 watts
 3' x 3' fixture: 900 watts
 4' x 4' fixture: 1600 watts
 5' x 5' fixture: 2500 watts
 6' x 6' fixture: 3600 watts
 8' x 8' fixture: 6400 watts
 10' x 10' fixture: 10000 watts
 12' x 12' fixture: 14400 watts
 14' x 14' fixture: 19600 watts
 16' x 16' fixture: 25600 watts
 18' x 1

[illegible][illegible]

ITEM	DESCRIPTION	SIZE	MFG	TYPE	LAMPS QUANTITY & SIZE	VOLTS / BLS VOLTS	APPROVED MANUFACTURER
01	FULL CUTOFF BRIGLE HEADED AREA LIGHT, TYPE IV DISTRIBUTION, MOUNT ON 2" POLE AND 2" RAKED CONCRETE BASE FOR 12" OVERALL HEIGHT. COLOR SELECTION BY ARCHITECT. REFER TO 10320 FOR POLE MOUNTING DETAIL.	27L 15.5W 0.571	POLE	PULSES START METAL HALIDE	1 220 WATT MOOKA BASE		LUXARMI TRILIGHT GARCFO FORM 10 LITHONRA KSF2
02	FULL CUTOFF BRIGLE HEADED AREA LIGHT AT 180 (DEGREES). TYPE IV DISTRIBUTION, MOUNT ON 25" POLE AND 2" RAKED CONCRETE BASE FOR 12" OVERALL HEIGHT. COLOR SELECTION BY ARCHITECT. REFER TO 10320 FOR POLE MOUNTING DETAIL.	27L 15.5W 0.571	POLE	PULSES START METAL HALIDE	1 220 WATT MOOKA BASE	VERIFY	LUXARMI TRILIGHT GARCFO FORM 10 LITHONRA KSF2
03	WALL MOUNTED TRIANGULAR FULL-CUTOFF LUMINAIRE, FORWARD THROW DISTRIBUTION, MOUNT AT 12" AFF. COLOR SELECTION BY ARCHITECT.	10T1 16.5W 15" EXT	WL	PULSES START METAL HALIDE	1 TO WATT MEDIUM BASE	VERIFY	LUXARMI WP GARCFO (R1) LITHONRA WST
04	FULL CUTOFF BRIGLE HEADED AREA LIGHT, TYPE IV DISTRIBUTION, MOUNT ON 25" POLE AND 2" RAKED CONCRETE BASE FOR 12" OVERALL HEIGHT. COLOR SELECTION BY ARCHITECT. REFER TO 10320 FOR POLE MOUNTING DETAIL.	27L 15.5W 0.571	POLE	PULSES START METAL HALIDE	1 220 WATT MOOKA BASE	VERIFY	LUXARMI TRILIGHT GARCFO FORM 10 LITHONRA KSF2



1 EXTENDED POLE BASE DETAIL

KIEWIT ENGINEERING CONSULTANTS
 Experience you can build on™
 608 WEST BROADWAY, SUITE 8E
 INDEPENDENCE, MISSOURI 64108-1400
 (816) 431-1000 FAX (816) 431-1001
 PROJECT # 90206.00

KIEWIT ENGINEERING INDEPENDENT PROPRIETARY RIGHTS, INCLUDING COPYRIGHT TO THIS DRAWING AND THE DATA THEREON. DESIGN AND DRAWING APPROPRIATE DATA ARE THE EXCLUSIVE PROPERTY OF KIEWIT ENGINEERING AND DESIGN. IT IS TO BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KIEWIT ENGINEERS. © 2011 KIEWIT.

REFERENCE SCALE IN INCHES

0 1 2