

Madison, Wisconsin

# CITY OF MADISON

## URBAN DESIGN COMMISSION REVIEW

### CENTRAL PARK - SKATE PARK

### CITY OF MADISON, DANE COUNTY

PROJECT ADDRESS: 201 S. INGERSOLL ST., MADISON, WI  
 CONTACT PERSONS: MIKE STURM - CITY OF MADISON PARKS  
 PHONE (608) 267-4921  
 KANTEN RUSSELL - STANTEC CONSULTING  
 PHONE (858) 633-4233

PHASE 1A  
 STATE PROJECT NO. 5995-01-97  
 (FEDERALLY-FUNDED PROJECT)

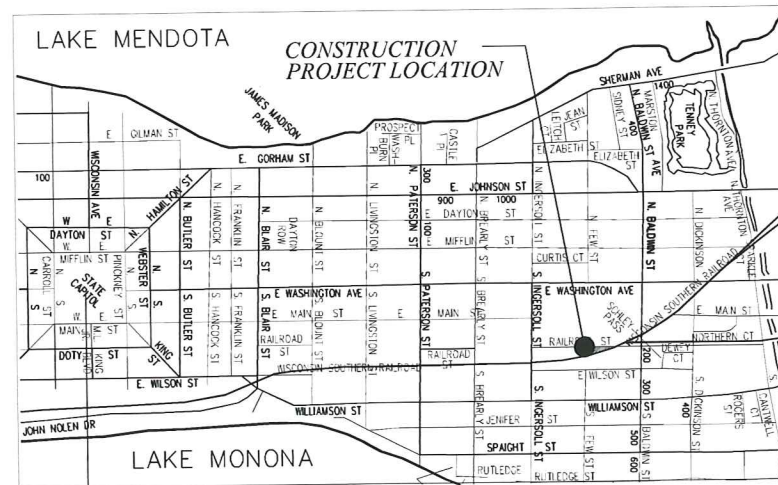
**INDEX OF SHEETS**

SHEET NO.	SHEET TITLE
SP - 0.0	SKATE PARK-COVER SHEET
C - 0.1	EXISTING SITE CONDITIONS
SP - 1.0	SKATE PARK-FEATURE PLAN
SP - 1.1	SKATE PARK-ARTISTIC RENDERING
SP - 1.2	SKATE PARK-LAYOUT PLAN
SP - 3.1	SKATE PARK-CONCEPTUAL GRADING AND DRAINAGE PLAN
SP - 4.1	SKATE PARK-SECTIONS/ PROFILES

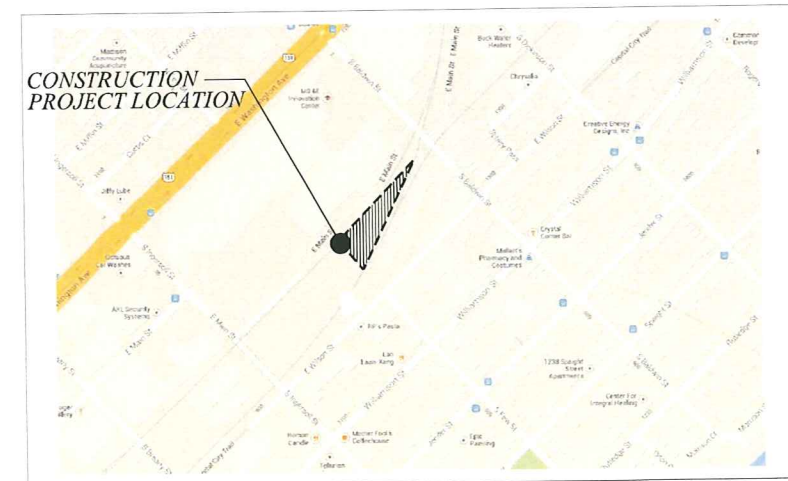
APPENDIX:  
 ILLUMINATION SUMMARIES, LIGHTING EQUIPMENT  
 LAYOUT, BROCHURES AND CUT SHEETS

**CONSULTANTS**

LANDSCAPE ARCHITECT	CIVIL ENGINEER
Stantec 141 Portland Street Boston, MA 02114 (t) 617.523.8103 (f) 617.523.4333	MSA Professional Services 2901 International Lane Suite 300 Madison, WI 53704 (t) 608.424.7779



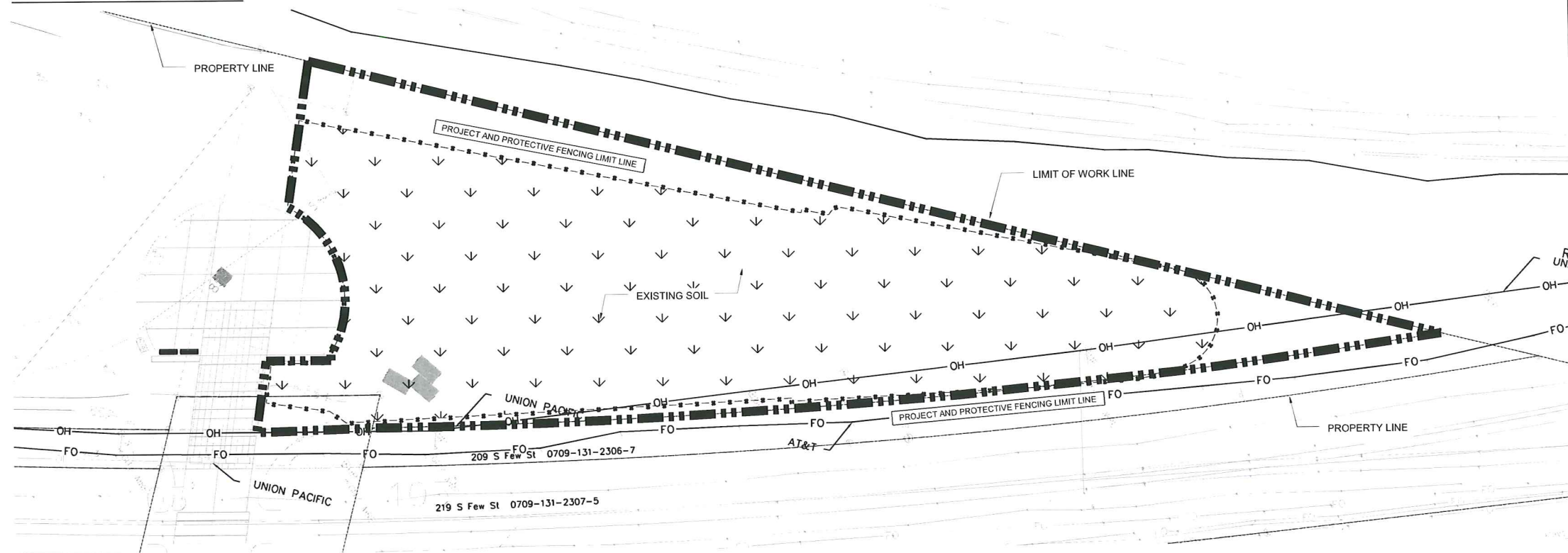
VICINITY MAP



LOCATION MAP

*UPL # 1-22-14 Russell*

EXISTING CONDITIONS PLAN



CENTRAL PARK - SKATE PARK  
PROJECT NO. XXXX

SHEET NO.  
C-0.10

EXISTING CONDITIONS  
CENTRAL PARK-  
SKATE PARK CITY OF MADISON

141 Portland St.  
Boston, MA 02114  
Tel. 617.523.8103  
Fax. 617.523.4333  
www.stantec.com



EXISTING CONDITIONS LEGEND

SYMBOL	DESCRIPTION
	EXISTING SOIL
	PROJECT LIMIT LINE/PROTECTIVE FENCING

GENERAL NOTES:

1. ALL MATERIAL "TO REMAIN" SHALL BE PROTECTED DURING CONSTRUCTION.
2. ALL MATERIAL "TO BE REMOVED" SHALL BE TAKEN FROM THE SITE AND DISPOSED OF PROPERLY.

SURVEY NOTES:

1. LOCATE ALL SURVEY MARKS, INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED.
2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH OWNERS REPRESENTATIVE AND CITY OF MADISON.
3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PRESERVE ALL PERMANENT REFERENCE POINTS DURING CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED.

VIEW FROM PROPOSED SKATE PLAZA LOOKING NORTH EAST



VIEW FROM PROPOSED SKATE PLAZA LOOKING SOUTH WEST



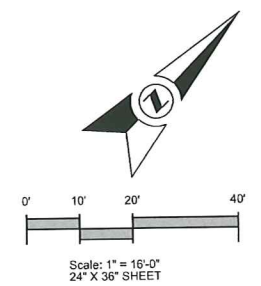
VIEW FROM PROPOSED SKATE PLAZA LOOKING SOUTH



VIEW FROM PROPOSED SKATE PLAZA LOOKING NORTH



VIEW FROM PROPOSED SKATE PLAZA LOOKING WEST

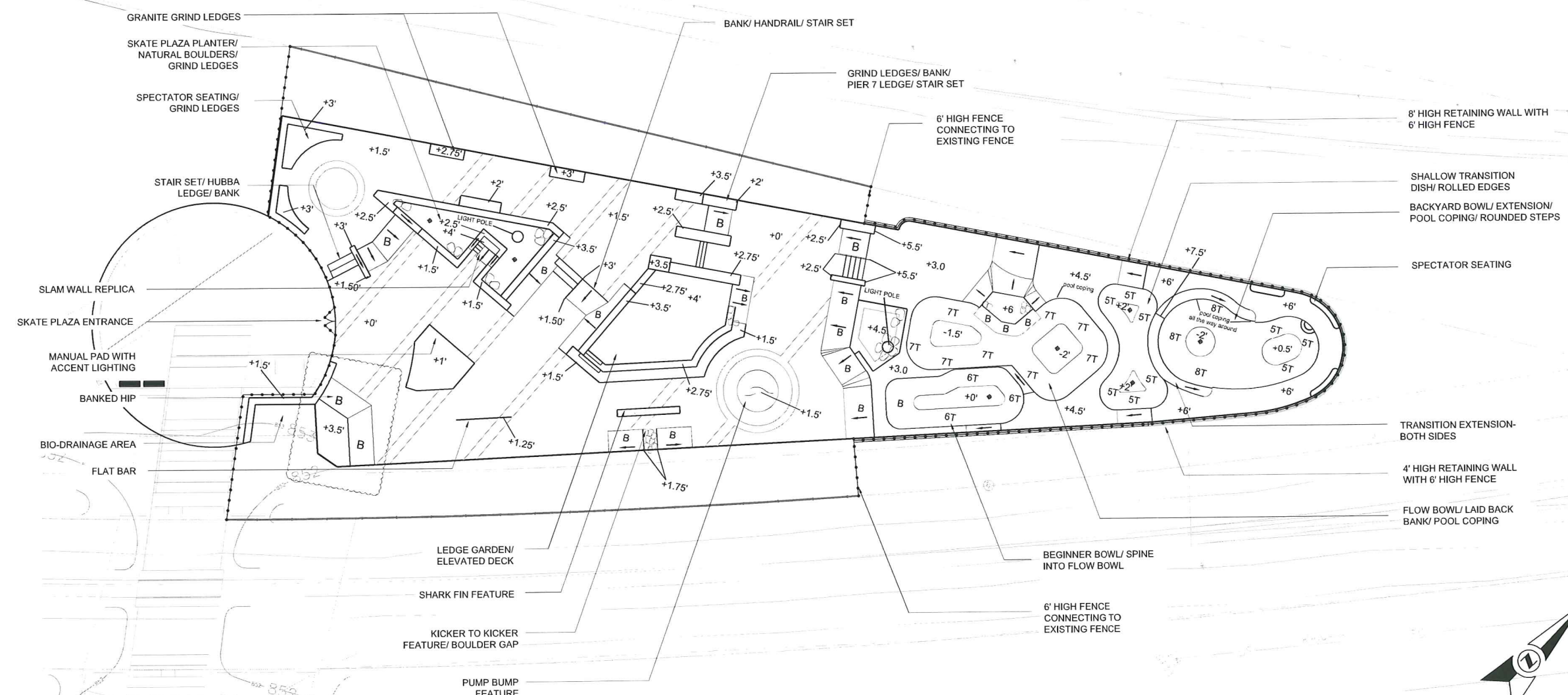


PLOT SCALE: -----  
PLOT NAME: -----

REV. DATE: -----

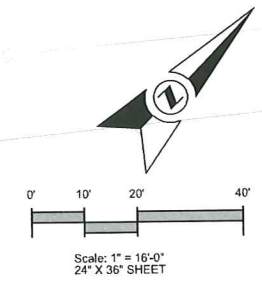
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PLOT SCALE: -----  
 PLOT NAME: -----  
 REV. DATE: -----

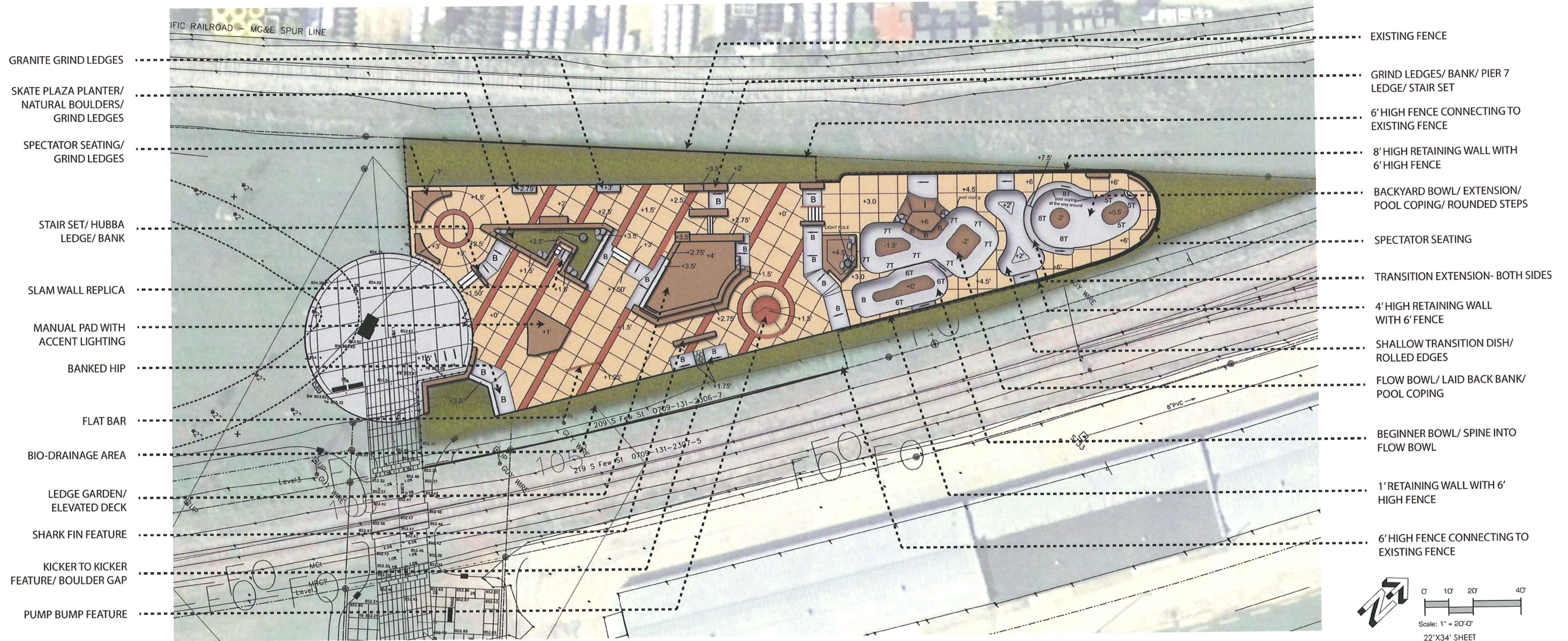
ORIGINATOR: CITY\_OF\_MADISON\_STREETS\_DIVISION



# MADISON CENTRAL PARK SKATE PLAZA

## CITY OF MADISON, WI

### PLAN VIEW RENDER



EXISTING CONDITIONS



9179 Aero Drive | San Diego CA 92123-2411  
 141 Portland Street | Boston, MA 02114  
 (ph) 858.633.4233 | (cell) 760.815.9335

T

CENTRAL PARK - SKATE PARK  
PROJECT NO. XXXX

SHEET NO.  
SP-1.1

SKATE PARK - ARTISTIC RENDERING

CENTRAL PARK-  
SKATE PARK

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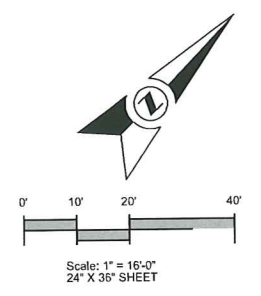
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PLOT NAME: -----

REV. DATE: -----

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REV. DATE: -----  
PLOT NAME: -----  
PLOT SCALE: -----

ORIGINATOR: CITY\_OF\_MADISON\_STREETS\_DIVISION

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GRADING LEGEND

SYMBOL	DESCRIPTION
	DRAIN INLET
	DIRECTION OF FLOW
	EXISTING GRADE
	FINISH GRADE
	FLOWLINE
	INVERT ELEVATION
	RIM ELEVATION
	FINISH GRADE CONTOUR
	B.G. - BREAK IN GRADE
	F.L. - FLOWLINE OF SWALE
	RETAINING WALL
	TURNDOWN WALL
	THICKENED EDGE

**TOW** TOP OF RETAINING WALL ELEVATION BASED ON A +000.00 ELEVATION AT ADJACENT SITE GRADE.

**BW** BOTTOM OF WALL ELEVATION BASED ON A +000.00 ELEVATION AT ADJACENT SITE GRADE.

**TR** TOP OF RAIL ELEVATION BASED ON A +000.00 ELEVATION AT ADJACENT SITE GRADE.

**BR** BOTTOM OF RAIL ELEVATION BASED ON A +000.00 ELEVATION AT ADJACENT SITE GRADE.

**TC** TOP OF CONCRETE ELEVATION BASED ON A +000.00 ELEVATION AT ADJACENT SITE GRADE.

**TL** TOP OF LEDGE ELEVATION BASED ON A +000.00 ELEVATION AT ADJACENT SITE GRADE.

**T** RADIUS OF WALL, REFER TO SECTION SHEETS FOR PROFILE VIEW.

**B** BANK-EMBANKMENT WALL WITH SLOPE AND RADII AT BASE. REFER TO SECTION SHEETS FOR PROFILE VIEW.

**TOF** TOP OF FENCE ELEVATION BASED ON A +000.00 ELEVATION AT ADJACENT SITE GRADE.

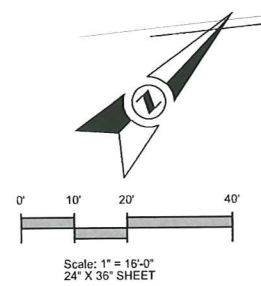
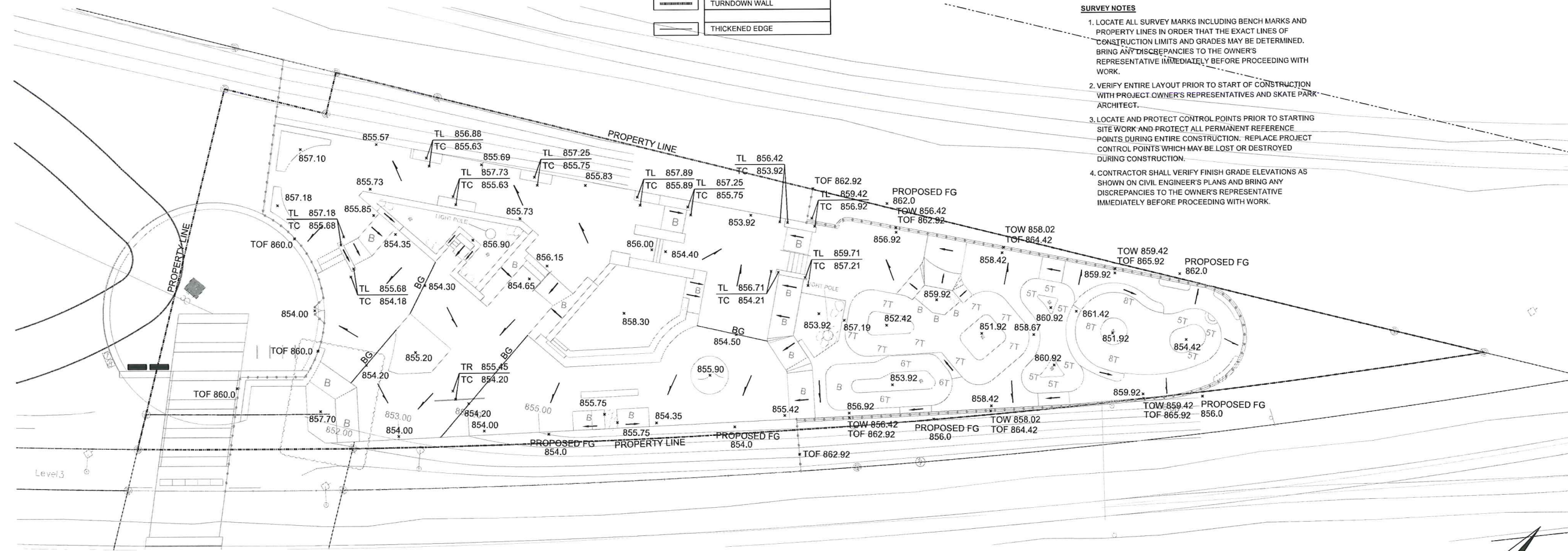
GRADING & DRAINAGE SHEET NOTE MASTER

- FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY SKATE PARK ARCHITECT IN THE FIELD.
- ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
- MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
- ALL AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
- VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
- REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
- ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADII/ ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY SKATE PARK ARCHITECT.
- CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
- THE DRAINS IN THE SKATE PARK HAVE PERFORATIONS IN THE PORTION BELOW THE CONCRETE DECK TO AVOID ANY HYDRO-STATIC LIFT POTENTIAL.

SURVEY NOTES

- LOCATE ALL SURVEY MARKS INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED. BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.
- VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH PROJECT OWNER'S REPRESENTATIVES AND SKATE PARK ARCHITECT.
- LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PROTECT ALL PERMANENT REFERENCE POINTS DURING ENTIRE CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED DURING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY FINISH GRADE ELEVATIONS AS SHOWN ON CIVIL ENGINEER'S PLANS AND BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.

ORIGINATOR: CITY\_OF\_MADISON\_STREETS\_DIVISION  
REV. DATE: \_\_\_\_\_  
PLOT NAME: \_\_\_\_\_  
PLOT SCALE: \_\_\_\_\_



CENTRAL PARK - SKATE PARK  
PROJECT NO. XXXX

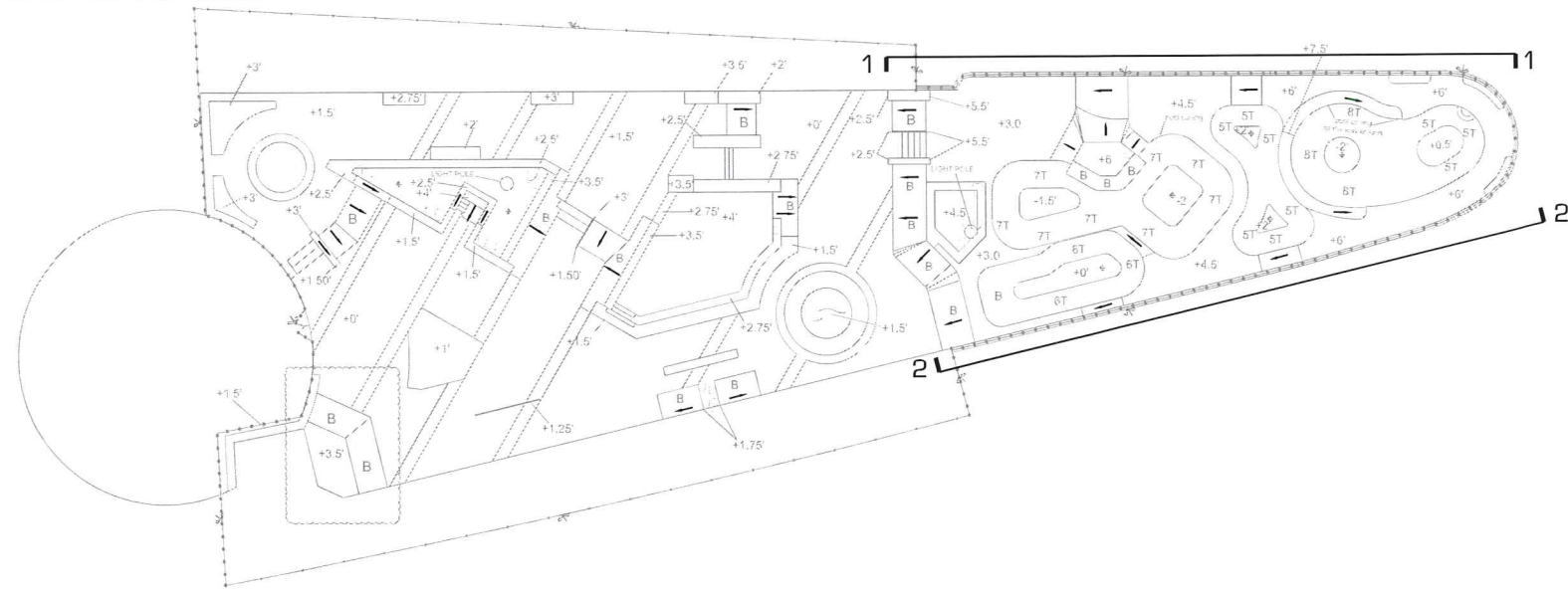
SHEET NO.  
SP-4.1

SKATE PARK - SECTIONS/ PROFILES

CENTRAL PARK-  
SKATE PARK

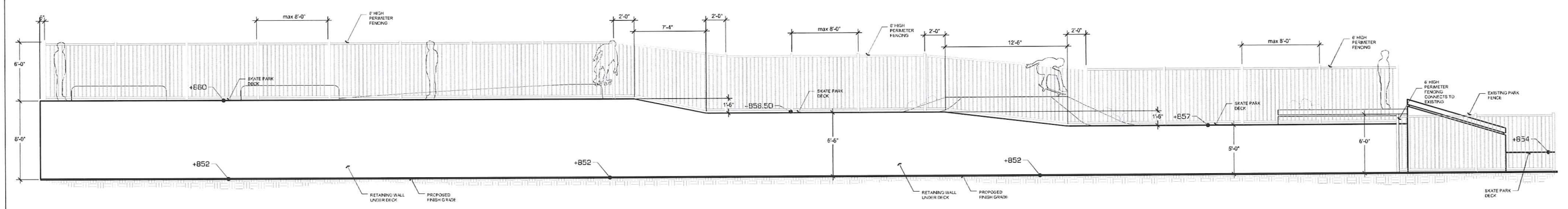
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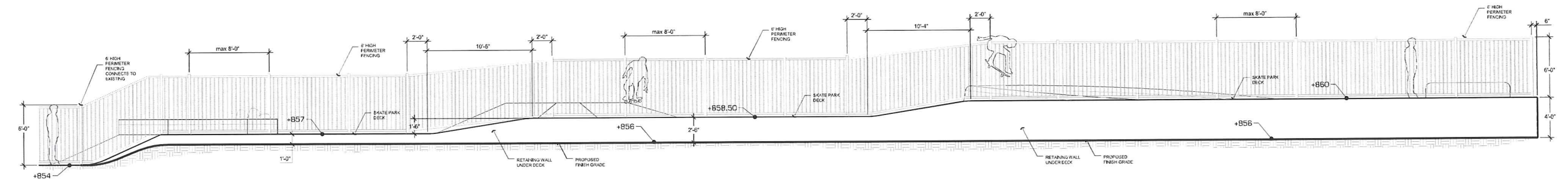
**KEY MAP**

0' 10' 20' SCALE  
1" = 20'-0"



**1 SECTION/ ELEVATION**

0' 2'-6" 5' SCALE  
1" = 5'-0"



**2 SECTION/ ELEVATION**

0' 2'-6" 5' SCALE  
1" = 5'-0"

REV. DATE: PLOT NAME: PLOT SCALE:

ORIGINATOR: CITY\_OF\_MADISON\_STREETS\_DIVISION

FILE NAME: \$\$...designfile...\$\$

DATE: \$\$...plottingdate...\$\$



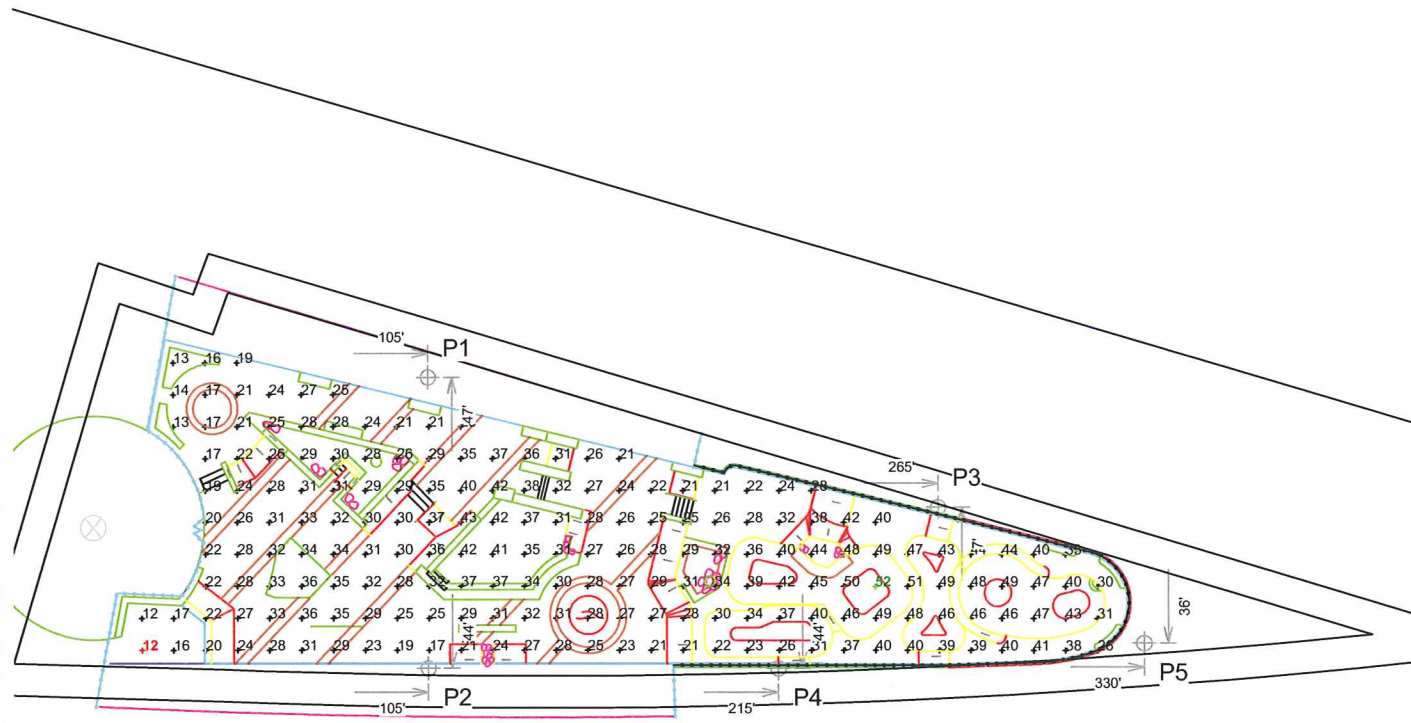
EQUIPMENT LIST FOR AREAS SHOWN								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	P1-P2	50'	-	50'	1000W MZ	4	4	0
1	P3	50'	-	50'	1000W MZ	3	3	0
2	P4-P5	50'	-	50'	1000W MZ	2	2	0
5	TOTALS					15	15	0



**MY PROJECT**  
**Name:** Madison Skate Park  
**Location:** Madison, WI

**GRID SUMMARY**  
**Name:** Skate Park  
**Spacing:** 10.0' x 10.0'  
**Height:** 3.0' above grade

CONSTANT ILLUMINATION	
SUMMARY	HORIZONTAL FOOTCANDLES
<b>Guaranteed Average:</b>	Entire Grid: 30
Scan Average:	31.08
Maximum:	52
Minimum:	12
Avg / Min:	2.70
<b>Guaranteed Max / Min:</b>	5
Max / Min:	4.51
UG (adjacent pts):	1.48
CV:	0.29
No. of Points:	194
LUMINAIRE INFORMATION	
Luminaire Type:	Green Generation
Rated Lamp Life:	12,000 hours
Avg Lumens / Lamp:	88,000
Avg Lamp Tilt Factor:	1.000
No. of Luminaires:	15
Avg KW:	16.8 (19.5 max)

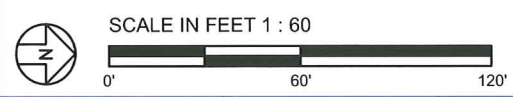


**Guaranteed Performance:** The Guaranteed Average CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

**Field Measurements:** Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.



Pole location(s) + dimensions are relative to 0,0 reference point(s)

**ENGINEERED DESIGN**  
**By:** Eric Svenby  
**File # / Date:** 166923C 20-Jan-14

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**ILLUMINATION SUMMARY**

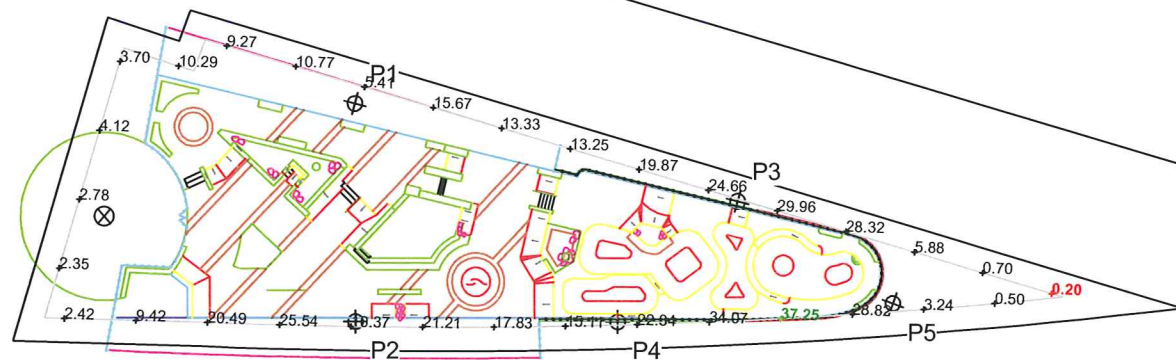
EQUIPMENT LIST FOR AREAS SHOWN								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	P1-P2	50'	-	50'	1000W MZ	4	4	0
1	P3	50'	-	50'	1000W MZ	3	3	0
2	P4-P5	50'	-	50'	1000W MZ	2	2	0
5	TOTALS					15	15	0



**MY PROJECT**  
**Name:** Madison Skate Park  
**Location:** Madison,WI

**GRID SUMMARY**  
**Name:** Spill @ PL  
**Spacing:** 30.0'  
**Height:** 4.0' above grade

CONSTANT ILLUMINATION	
SUMMARY	HORIZONTAL FOOTCANDLES
	Entire Grid
<b>Scan Average:</b>	<b>14.0358</b>
<b>Maximum:</b>	<b>37.25</b>
<b>Minimum:</b>	0.20
<b>No. of Points:</b>	32
LUMINAIRE INFORMATION	
<b>Luminaire Type:</b>	Green Generation
<b>Rated Lamp Life:</b>	12,000 hours
<b>Avg Lumens / Lamp:</b>	88,000
<b>Avg Lamp Tilt Factor:</b>	1.000
<b>No. of Luminaires:</b>	15
<b>Avg KW:</b>	16.8 (19.5 max)



**Guaranteed Performance:** The CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

**Field Measurements:** Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

**ENGINEERED DESIGN**  
**By:** Eric Svenby  
**File # / Date:** 166923C 20-Jan-14



Pole location(s) + dimensions are relative to 0,0 reference point(s)

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**ILLUMINATION SUMMARY**

EQUIPMENT LIST FOR AREAS SHOWN								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	P1-P2	50'	-	50'	1000W MZ	4	4	0
1	P3	50'	-	50'	1000W MZ	3	3	0
2	P4-P5	50'	-	50'	1000W MZ	2	2	0
5	TOTALS					15	15	0



**MY PROJECT**  
**Name:** Madison Skate Park  
**Location:** Madison, WI

**GRID SUMMARY**  
**Name:** Spill @ +10' From PL  
**Spacing:** 30.0'  
**Height:** 4.0' above grade

**CONSTANT ILLUMINATION**

SUMMARY	HORIZONTAL FOOTCANDLES
	Entire Grid
<b>Scan Average:</b>	<b>7.8065</b>
<b>Maximum:</b>	<b>27.53</b>
<b>Minimum:</b>	0.04
<b>No. of Points:</b>	37

**LUMINAIRE INFORMATION**

Luminaire Type: Green Generation  
 Rated Lamp Life: 12,000 hours  
 Avg Lumens / Lamp: 88,000  
 Avg Lamp Tilt Factor: 1.000  
 No. of Luminaires: 15  
 Avg KW: 16.8 (19.5 max)

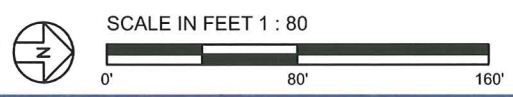


**Guaranteed Performance:** The CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

**Field Measurements:** Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

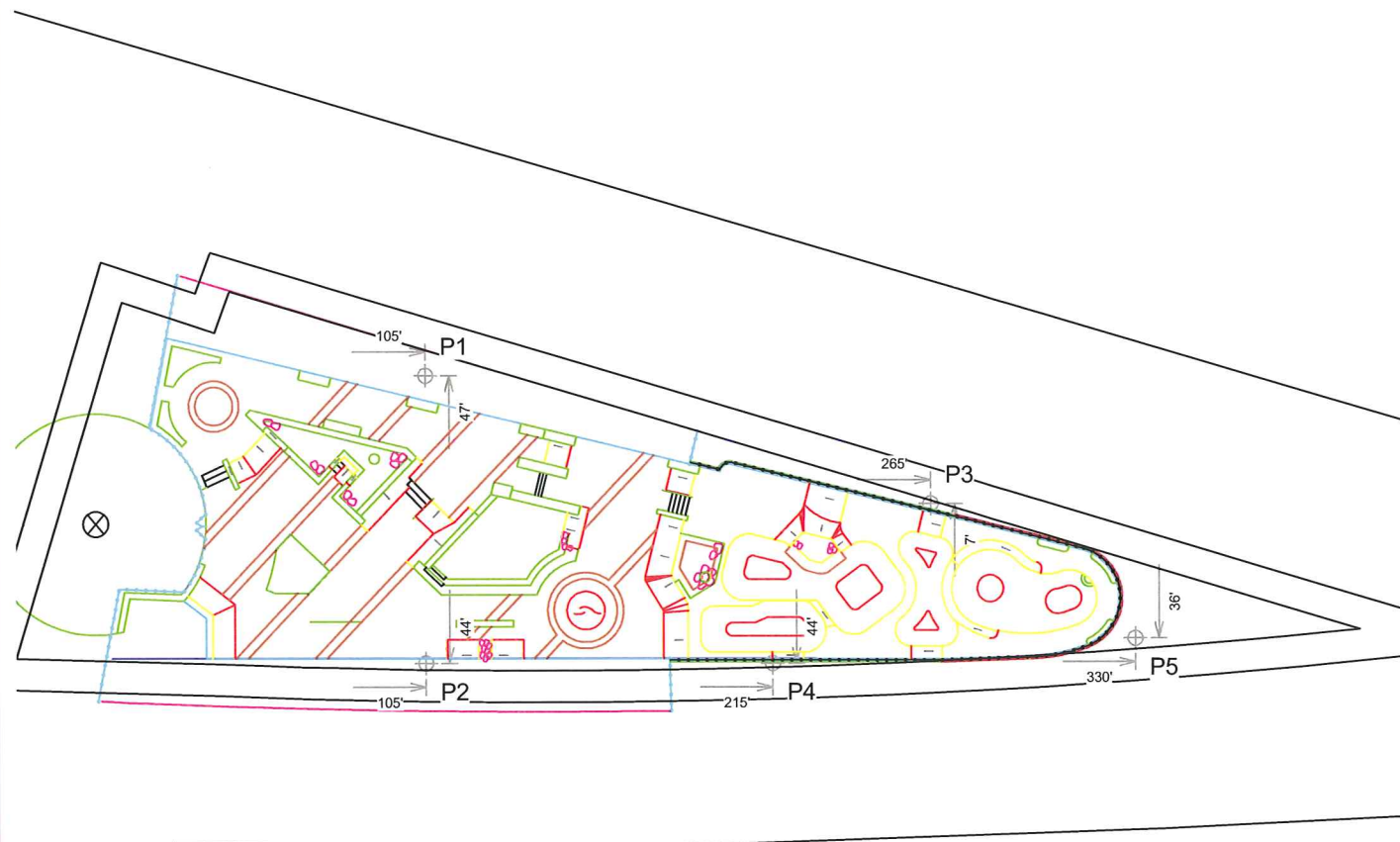


Pole location(s) + dimensions are relative to 0,0 reference point(s)

**ENGINEERED DESIGN**  
**By:** Eric Svenby  
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**ILLUMINATION SUMMARY**



**MY PROJECT**  
**Name:** Madison Skate Park  
**Location:** Madison, WI

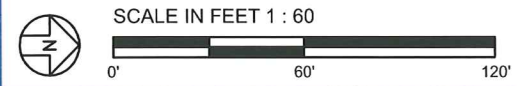
**EQUIPMENT LAYOUT**  
**INCLUDES:**  
 - Skate Park  
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.  
**Installation Requirements:** Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

**EQUIPMENT LIST FOR AREAS SHOWN**

QTY	LOCATION	Pole		Luminaires		QTY / POLE
		SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	
2	P1-P2	50'	-	50'	1000W MZ	4
1	P3	50'	-	50'	1000W MZ	3
2	P4-P5	50'	-	50'	1000W MZ	2
<b>TOTALS</b>						<b>15</b>

**SINGLE LUMINAIRE AMPERAGE DRAW CHART**

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
1000 watt MZ	6.5	6.4	5.8	4.9	4.0	3.6	2.9



Pole location(s) + dimensions are relative to 0,0 reference point(s)

**ENGINEERED DESIGN**  
**By:** Eric Svenby  
**File # / Date:** 166923C 20-Jan-14

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**EQUIPMENT LAYOUT**

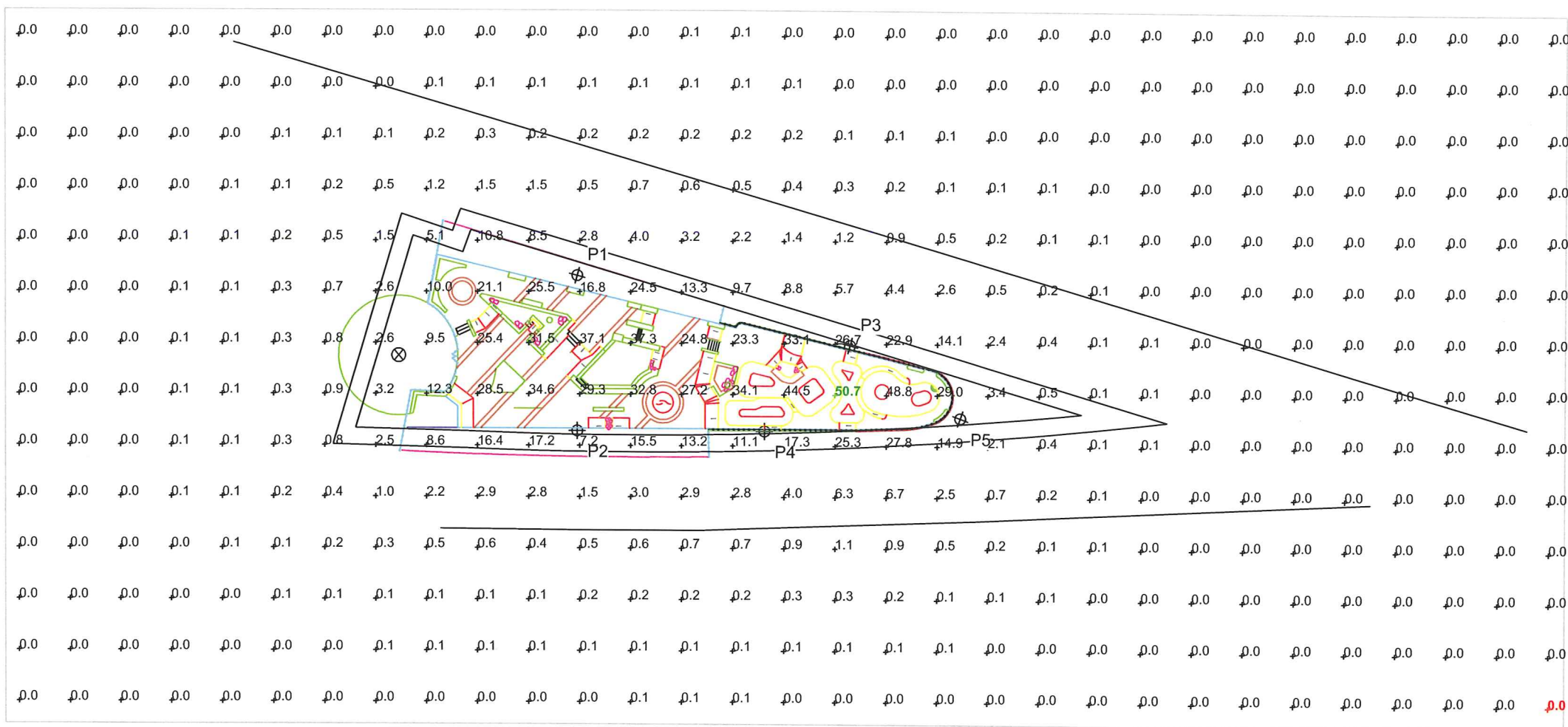
EQUIPMENT LIST FOR AREAS SHOWN							
Pole			Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY/POLE	THIS GRID
2	P1-P2	50'	-	50'	1000W MZ	4	4
1	P3	50'	-	50'	1000W MZ	3	3
2	P4-P5	50'	-	50'	1000W MZ	2	2
5	TOTALS					15	15



MY PROJECT	
Name:	Madison Skate Park
Location:	Madison, WI

GRID SUMMARY	
Name:	Blanket Grid
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

CONSTANT ILLUMINATION	
SUMMARY	HORIZONTAL FOOTCANDLES
Entire Grid	
Scan Average:	2.56
Maximum:	51
Minimum:	0
Avg / Min:	1739.44
Max / Min:	34412.72
UG (adjacent pts):	8.93
CV:	2.98
No. of Points:	434
LUMINAIRE INFORMATION	
Luminaire Type:	Green Generation
Rated Lamp Life:	12,000 hours
Avg Lumens / Lamp:	88,000
Avg Lamp Tilt Factor:	1.000
No. of Luminaires:	15
Avg KW:	16.8 (19.5 max)

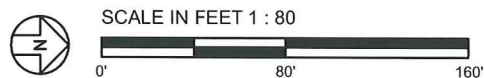


**Guaranteed Performance:** The CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

**Field Measurements:** Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.



Pole location(s) + dimensions are relative to 0,0 reference point(s)

ENGINEERED DESIGN		
By:	Eric Svenby	
File # / Date:	166923C	20-Jan-14

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**ILLUMINATION SUMMARY**