

# URBAN DESIGN COMMISSION APPLICATION

# UDC

City of Madison  
Planning Division  
126 S. Hamilton St.  
P.O. Box 2985  
Madison, WI 53701-2985  
(608) 266-4635



## FOR OFFICE USE ONLY:

Paid \_\_\_\_\_ Receipt # \_\_\_\_\_  
Date received \_\_\_\_\_  
Received by \_\_\_\_\_  
Aldermanic District \_\_\_\_\_  
Zoning District \_\_\_\_\_  
Urban Design District \_\_\_\_\_  
Submittal reviewed by \_\_\_\_\_

Complete all sections of this application, including the desired meeting date and the action requested.

*If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the phone number above immediately.*

### 1. Project Information

Address: 1820 E. Washington Ave.  
Title: Burr Jones Park Improvements

### 2. Application Type (check all that apply) and Requested Date

UDC meeting date requested January 30, 2019  
 New development       Alteration to an existing or previously-approved development  
 Informational       Initial approval       Final approval

### 3. Project Type

Project in an Urban Design District      **Signage**  
 Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)       Comprehensive Design Review (CDR)  
 Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)       Signage Variance (i.e. modification of signage height, area, and setback)  
 Planned Development (PD)      **Other**  
     General Development Plan (GDP)       Please specify  
     Specific Implementation Plan (SIP) \_\_\_\_\_  
 Planned Multi-Use Site or Residential Building Complex

### 4. Applicant, Agent, and Property Owner Information

Applicant name Mike Sturm      Company City of Madison Parks Division  
Street address 210 MLK Jr, Jr. Blvd      City/State/Zip Madison, WI 53703  
Telephone 608-267-4921      Email msturm@cityofmadison.com  
Project contact person Per above      Company \_\_\_\_\_  
Street address \_\_\_\_\_      City/State/Zip \_\_\_\_\_  
Telephone \_\_\_\_\_      Email \_\_\_\_\_  
Property owner (if not applicant) City of Madison Parks Division, Eric Knepp  
Street address 210 MLK Jr., Blvd      City/State/Zip Madison, WI 53703  
Telephone (608) 266-4711      Email ericknepp@cityofmadison.com

**5. Required Submittal Materials**

- Application Form**
- Letter of Intent**
  - If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required
  - For signage applications, a summary of how the proposed signage is consistent with the applicable CDR or Signage Variance review criteria is required.
- Development plans** (Refer to checklist provided below for plan details)
- Filing fee**
- Electronic Submittal\***

Each submittal must include fourteen (14) 11" x 17" collated paper copies. Landscape and Lighting plans (if required) must be full-sized. Please refrain from using plastic covers or spiral binding.

Both the paper copies and electronic copies must be submitted prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. A completed application form is required for each UDC appearance.

For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (initial or final approval) from the UDC. All plans must be legible when reduced.

*\*Electronic copies of all items submitted in hard copy are required. Individual PDF files of each item submitted should be compiled on a CD or flash drive, or submitted via email to [udcapplications@cityofmadison.com](mailto:udcapplications@cityofmadison.com). The email must include the project address, project name, and applicant name. Electronic submittals via file hosting services (such as Dropbox.com) are not allowed. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.*

**6. Applicant Declarations**

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Janine Glaeser on December 12, 2018.
2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Applicant name Mike Sturm Relationship to property Project Manager  
 Authorized signature of Property Owner  Date 12/12/18

**7. Application Filing Fees**

Fees are required to be paid with the first application for either initial or final approval of a project, unless the project is part of the combined application process involving the Urban Design Commission in conjunction with Plan Commission and/or Common Council consideration. Make checks payable to City Treasurer. Credit cards may be used for application fees of less than \$1,000.

Please consult the schedule below for the appropriate fee for your request:

- Urban Design Districts: \$350 (per §35.24(6) MGO).
- Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : \$150 (per §33.24(6)(b) MGO)
- Comprehensive Design Review: \$500 (per §31.041(3)(d)(1)(a) MGO)
- Minor Alteration to a Comprehensive Sign Plan: \$100 (per §31.041(3)(d)(1)(c) MGO)
- All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for signage variances (i.e. modifications of signage height, area, and setback), and additional sign code approvals: \$300 (per §31.041(3)(d)(2) MGO)

A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

- Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Residential Building Complex



# Madison Parks Division

210 Martin Luther King, Jr. Blvd., Room 104  
Madison, WI 53703  
608-266-4711 • [cityofmadison.com/parks](http://cityofmadison.com/parks)



December 17, 2018

City of Madison Urban Design Commission  
Attn: Janine Glaeser  
215 Martin Luther King Jr. Blvd.  
Madison, WI 53703

Dear Commission members:

The City of Madison Parks Division is proposing improvements to Burr Jones Park in 2019.

Burr Jones Park is a 4.7-acre park on Madison's near east side. Current park amenities include a large athletic field, two basketball courts, shade trees, lawn and off-street parking. The park is bordered by the Yahara River to the west, a bike path to the north, railroad tracks to the east and East Washington Ave. to the south. Proposed park improvements include a revised parking lot, improved athletic fields, stormwater bioretention, additional landscaping, bicycle parking, a new basketball court and the addition of an athletic field lighting system.

The existing parking lot provides approximately 35 stalls and is often at capacity during larger athletic events. The existing lot is curbed on one side and lacks landscape islands. The lot also encroaches on Wisconsin Department of Transportation railroad right-of-way by approximately 30 feet. The proposed parking lot provides 33 stalls, including two accessible stalls, and incorporates landscape islands every 12 stalls or less. A new dedicated walk will connect the accessible stalls to the public sidewalk along E. Washington Ave.

Burr Jones Park offers a relatively long athletic field area and is a popular location for ultimate Frisbee. The proposed field configuration provides two ultimate fields with the option for a full-size soccer field overlay. The proposed field grading improves drainage and diverts stormwater from entering the East Washington Ave. sewer system.

With the popularity of field events at the park, available off-street parking, and park's buffered location from adjacent residential development, Parks is proposing the addition of an athletic field lighting system. The lighting system will help address the demand for athletic field space on the isthmus by offering extended play during the spring and fall. The proposed lighting system utilizes the latest technology in sharp cut-off, low-glare, energy-efficient LED lighting. The field lights will automatically turn off at 10 pm when the park is closed.

The existing basketball courts are in poor condition and require reconstruction to address significant cracking and tiling issues. Due to the relocation of the existing parking lot, Parks is proposing to reduce the number of courts from two to one.

The Burr Jones Parks is in a flood-prone area and Parks staff worked closely with City of Madison Engineering to determine the appropriate stormwater management measures. The

proposed bioretention area exceeds redevelopment standards and will be planted with wet-mesic native prairie species.

The Wisconsin Southern Railroad requires the installation of safety fence along park properties that abut rail lines. The proposed fence is constructed of powder-coated steel posts with welded, wire mesh panels. The fence is extensively used at McPike Park, which is bordered by rail lines on the two sides, and was selected as the Parks standard due to its durability and relative transparency from a distance.

Parks staff coordinated the proposed park improvements with potential City of Madison Traffic Engineering projects. The proposed field layout provides space along the Yahara River for a future path connection between the East Washington Ave. underpass and the bike path north of the site. The proposed parking lot and stormwater treatment area are sufficiently set back for future widening of the terrace and sidewalk along East Washington Ave.

Burr Jones Park is located in Urban Design District 8 and conforms to the district guidelines. The proposed improvements facilitate park use and support a vibrant boulevard along East Washington Ave. The proposed parking lot utilizes parking islands, planting beds and stormwater bioretention. The lot and bioretention area provide space for a wider street terrace and sidewalk along East Washington Ave. The lot-accessible stalls and walkway connection promote pedestrian activity along the corridor. Bicycle parking encourages multi-modal transportation to and from the park. The proposed athletic field lighting system utilizes low-glare, cut-off light fixtures. The light poles are setback for East Washington Ave., protecting the iconic view of the Capitol.

I look forward to discussing the proposed park improvements with commission members on January 30, 2019.

Regards,

Mike

Mike Sturm, PLA, LEED AP  
City of Madison Parks Division

# BURR JONES PARK - SITE IMPROVEMENTS

City of Madison  
Department of Public Works  
**PARKS DIVISION**

City-County Building, Suite 104  
210 Martin Luther King, Jr. Blvd.  
Madison, WI 53703

*play*  
**MADISON  
PARKS**

PROJECT:

**BURR JONES  
PARK SITE  
IMPROVEMENTS**

**BURR JONES PARK  
1820 E. WASHINGTON AVE.  
MADISON, WI 53704**

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

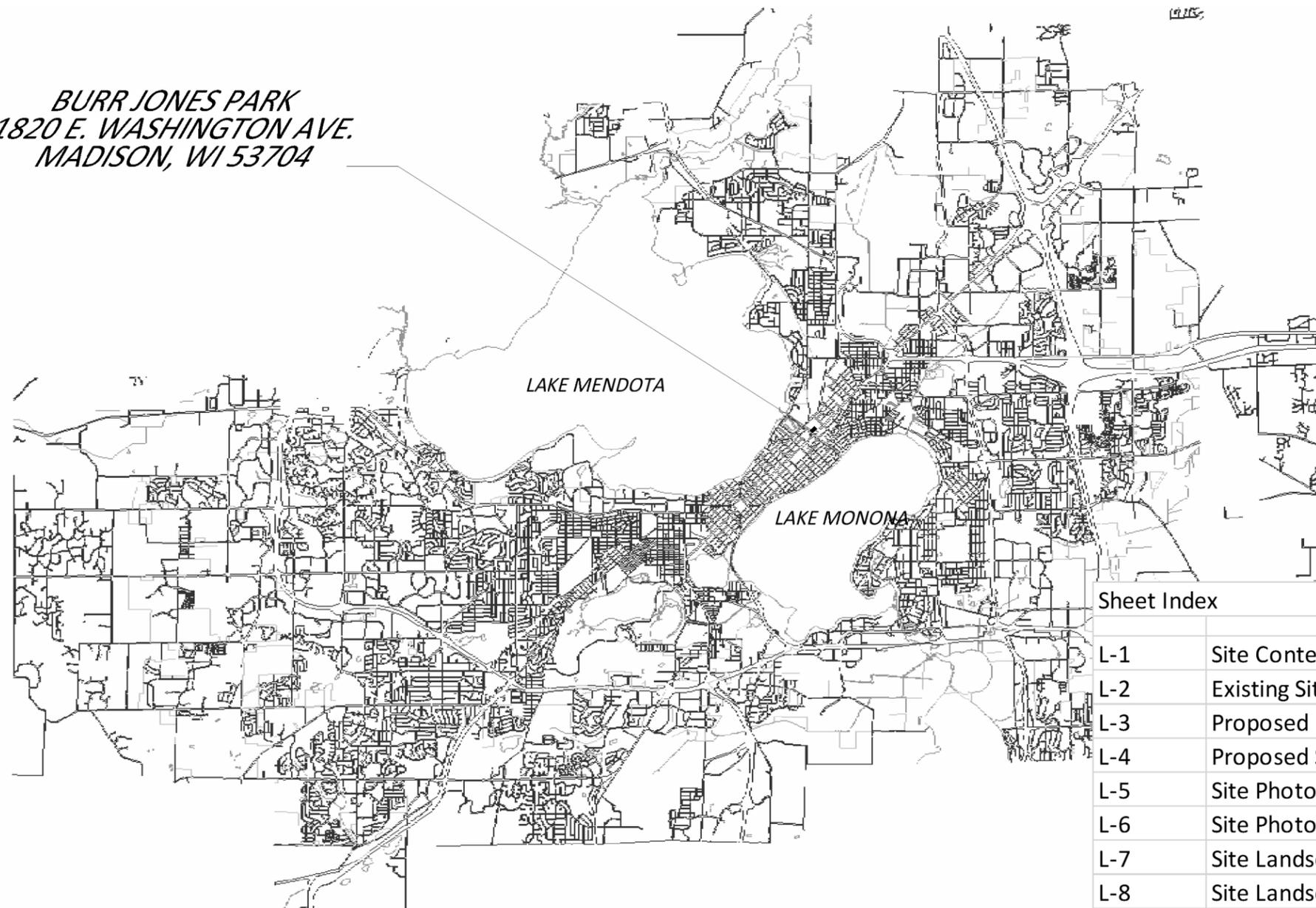
ITEM	DATE
Drawn by:	xx-xx-xxxx
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:  
**8359**

SHEET TITLE:

SHEET NUMBER:

**BURR JONES PARK  
1820 E. WASHINGTON AVE.  
MADISON, WI 53704**



## Sheet Index

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L-8	Site Landscape Plan - Parking Lot
L-9	Proposed Fence



City of Madison  
 Department of Public Works  
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 Madison, WI 53703

*play*  
**MADISON  
 PARKS**

Graphical Scale  
 0 100 ft

PROJECT:  
**BURR JONES  
 PARK SITE  
 IMPROVEMENTS**

**BURR JONES PARK  
 1820 E. WASHINGTON AVE.  
 MADISON, WI 53704**

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ITEM	DATE
Drawn by:	XX-XX-XXXX
Approved by:	XX-XX-XXXX

PUBLIC WORKS PROJECT #:  
**8359**

SHEET TITLE:  
**SITE CONTEXT**

SHEET NUMBER:  
**L-1**



PROJECT:  
**BURR JONES  
 PARK SITE  
 IMPROVEMENTS**

**BURR JONES PARK  
 1820 E. WASHINGTON AVE.  
 MADISON, WI 53704**

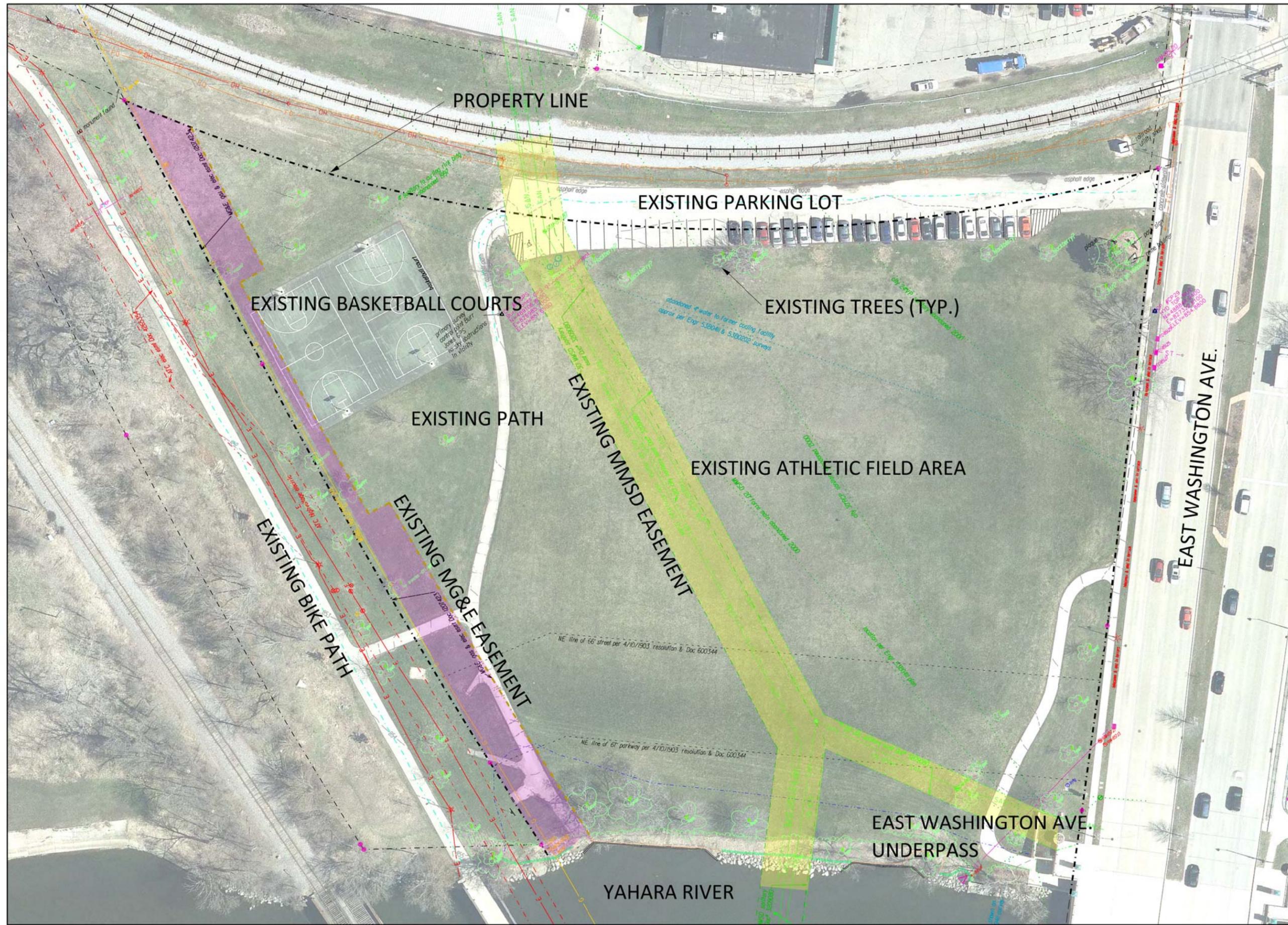
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ITEM	DATE
Drawn by:	xx-xx-xxxx
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:  
**8359**

SHEET TITLE:  
**EXISTING SITE**

SHEET NUMBER:  
**L-2**





PROJECT:  
**BURR JONES  
 PARK SITE  
 IMPROVEMENTS**

**BURR JONES PARK  
 1820 E. WASHINGTON AVE.  
 MADISON, WI 53704**

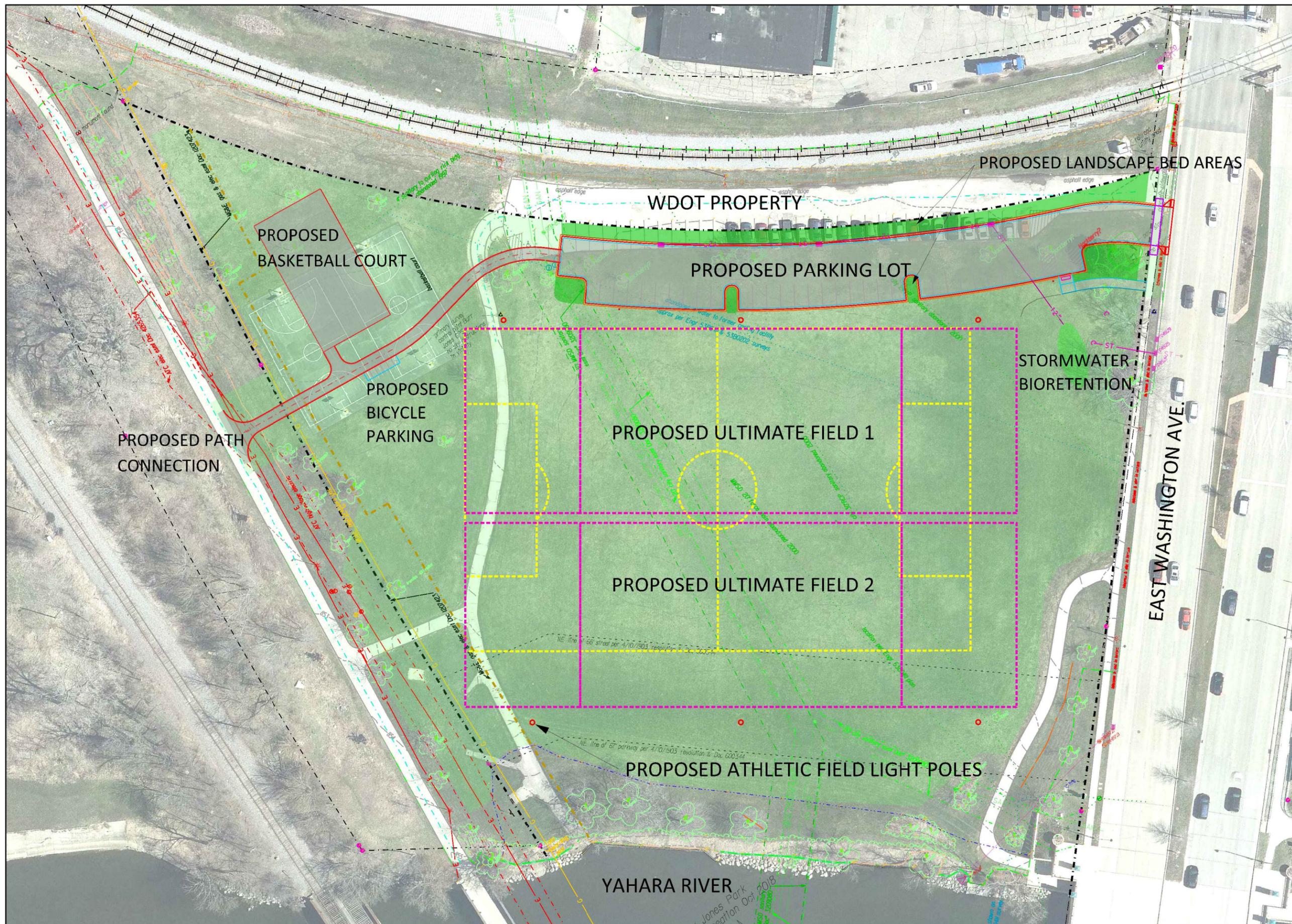
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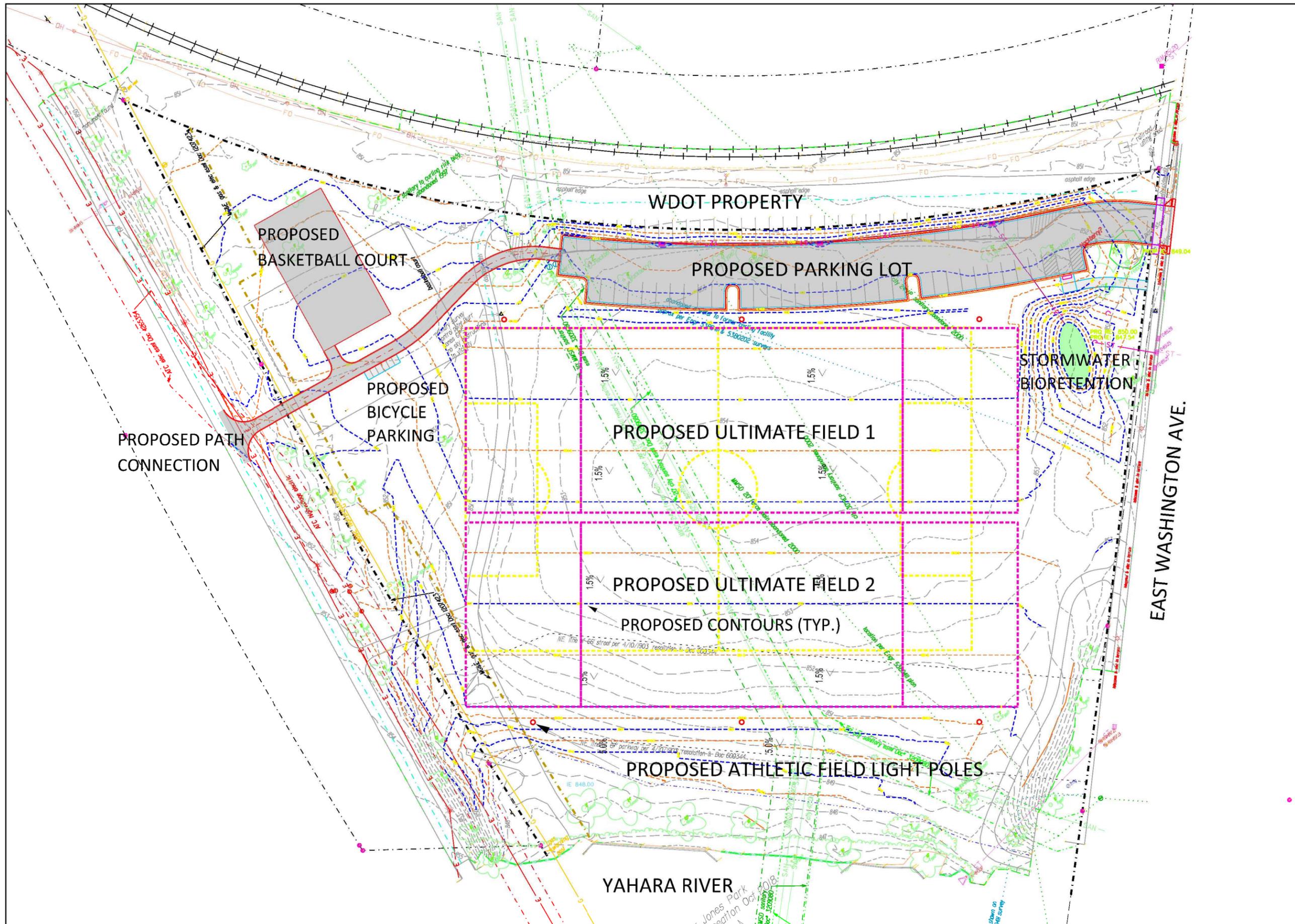
ITEM	DATE
Drawn by:	XX-XX-XXXX
Approved by:	XX-XX-XXXX

PUBLIC WORKS PROJECT #:  
**8359**

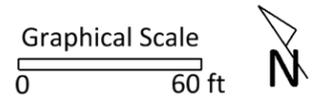
SHEET TITLE:  
**PROPOSED  
 IMPROVEMENTS**

SHEET NUMBER:  
**L-3**





City of Madison  
 Department of Public Works  
**PARKS DIVISION**  
 City-County Building, Suite 104  
 210 Martin Luther King, Jr. Blvd.  
 Madison, WI 53703



PROJECT:  
**BURR JONES  
 PARK SITE  
 IMPROVEMENTS**

*BURR JONES PARK  
 1820 E. WASHINGTON AVE.  
 MADISON, WI 53704*

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ITEM	DATE
Drawn by:	xx-xx-xxxx
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:  
**8359**

SHEET TITLE:  
**PROPOSED SITE  
 GRADING**

SHEET NUMBER:  
**L-4**

**City of Madison**  
 Department of Public Works  
**PARKS DIVISION**

City-County Building, Suite 104  
 210 Martin Luther King, Jr. Blvd.  
 Madison, WI 53703



PROJECT:

***BURR JONES  
 PARK SITE  
 IMPROVEMENTS***

***BURR JONES PARK  
 1820 E. WASHINGTON AVE.  
 MADISON, WI 53704***

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ITEM	DATE
Drawn by:	xx-xx-xxxx
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:  
**8359**

SHEET TITLE:  
***SITE PHOTOS***

SHEET NUMBER:  
**L-5**



***EXISTING PARKING LOT FACING NORTH***



***EXISTING BASKETBALL COURTS FACING NORTH***



***EXISTING ATHLETIC FIELD AREA FACING EAST FROM YAHARA RIVER***



***EXISTING PATH FACING WEST***



*EXISTING ATHLETIC FIELD FACING SOUTH*



*EXISTING PARKING LOT FACING EAST*



*EXISTING PARKING LOT FACING SOUTH*



*YAHARA RIVER SHORE*

**City of Madison**  
 Department of Public Works  
**PARKS DIVISION**

City-County Building, Suite 104  
 210 Martin Luther King, Jr. Blvd.  
 Madison, WI 53703



PROJECT:

*BURR JONES  
 PARK SITE  
 IMPROVEMENTS*

*BURR JONES PARK  
 1820 E. WASHINGTON AVE.  
 MADISON, WI 53704*

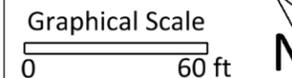
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Drawn by:	xx-xx-xxxx
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:  
**8359**

SHEET TITLE:  
*SITE PHOTOS*

SHEET NUMBER:  
**L-6**



PROJECT:  
**BURR JONES  
 PARK SITE  
 IMPROVEMENTS**

**BURR JONES PARK  
 1820 E. WASHINGTON AVE.  
 MADISON, WI 53704**

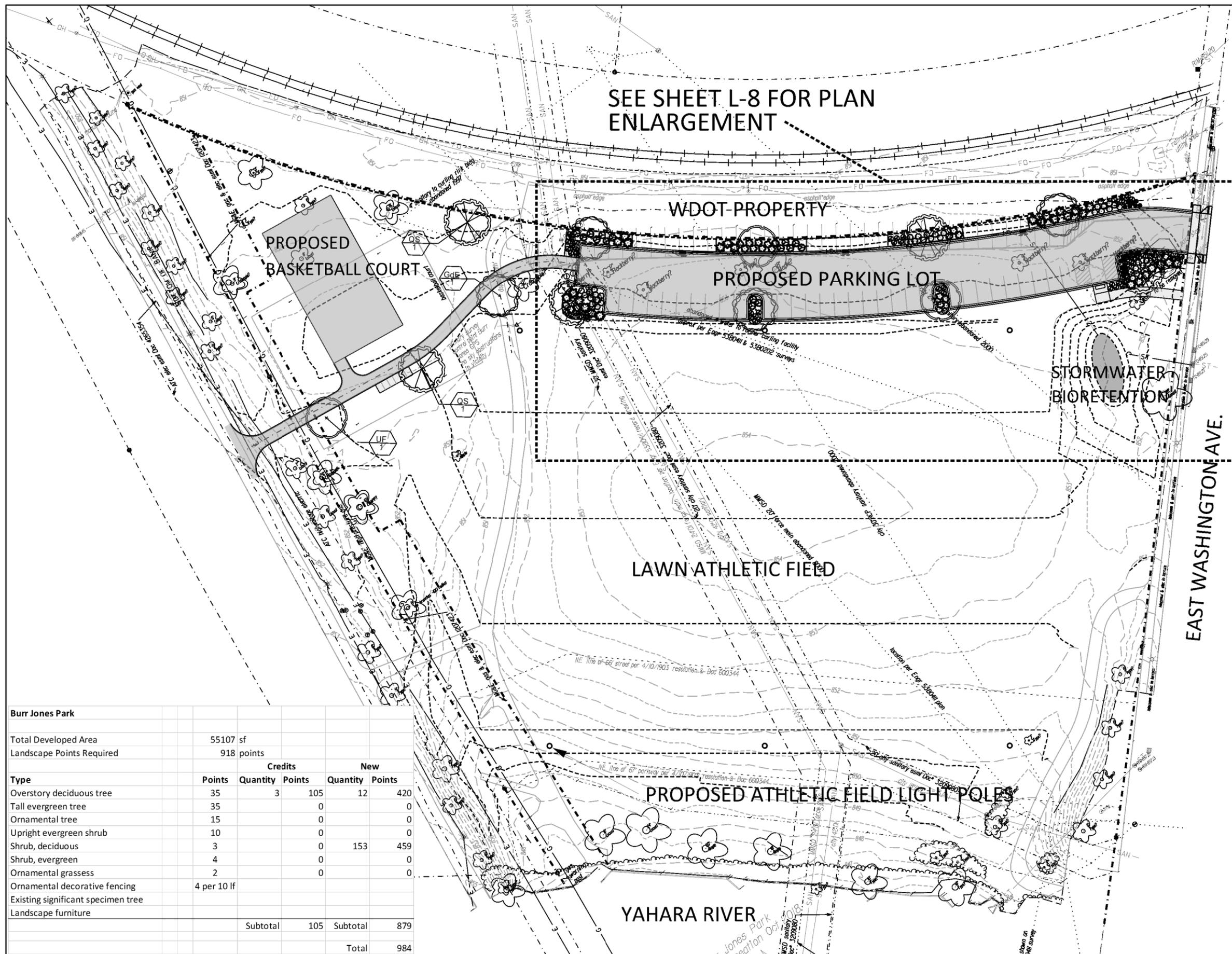
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ITEM	DATE
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Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:  
**8359**

SHEET TITLE:  
**SITE LANDSCAPE  
 PLAN**

SHEET NUMBER:  
**L-7**



Burr Jones Park					
Total Developed Area		55107 sf			
Landscape Points Required		918 points			
Type	Points	Credits		New	
		Quantity	Points	Quantity	Points
Overstory deciduous tree	35	3	105	12	420
Tall evergreen tree	35		0		0
Ornamental tree	15		0		0
Upright evergreen shrub	10		0		0
Shrub, deciduous	3		0	153	459
Shrub, evergreen	4		0		0
Ornamental grasses	2		0		0
Ornamental decorative fencing	4 per 10 lf				
Existing significant specimen tree					
Landscape furniture					
		Subtotal	105	Subtotal	879
			Total		984



PROJECT:  
**BURR JONES  
 PARK SITE  
 IMPROVEMENTS**

**BURR JONES PARK**  
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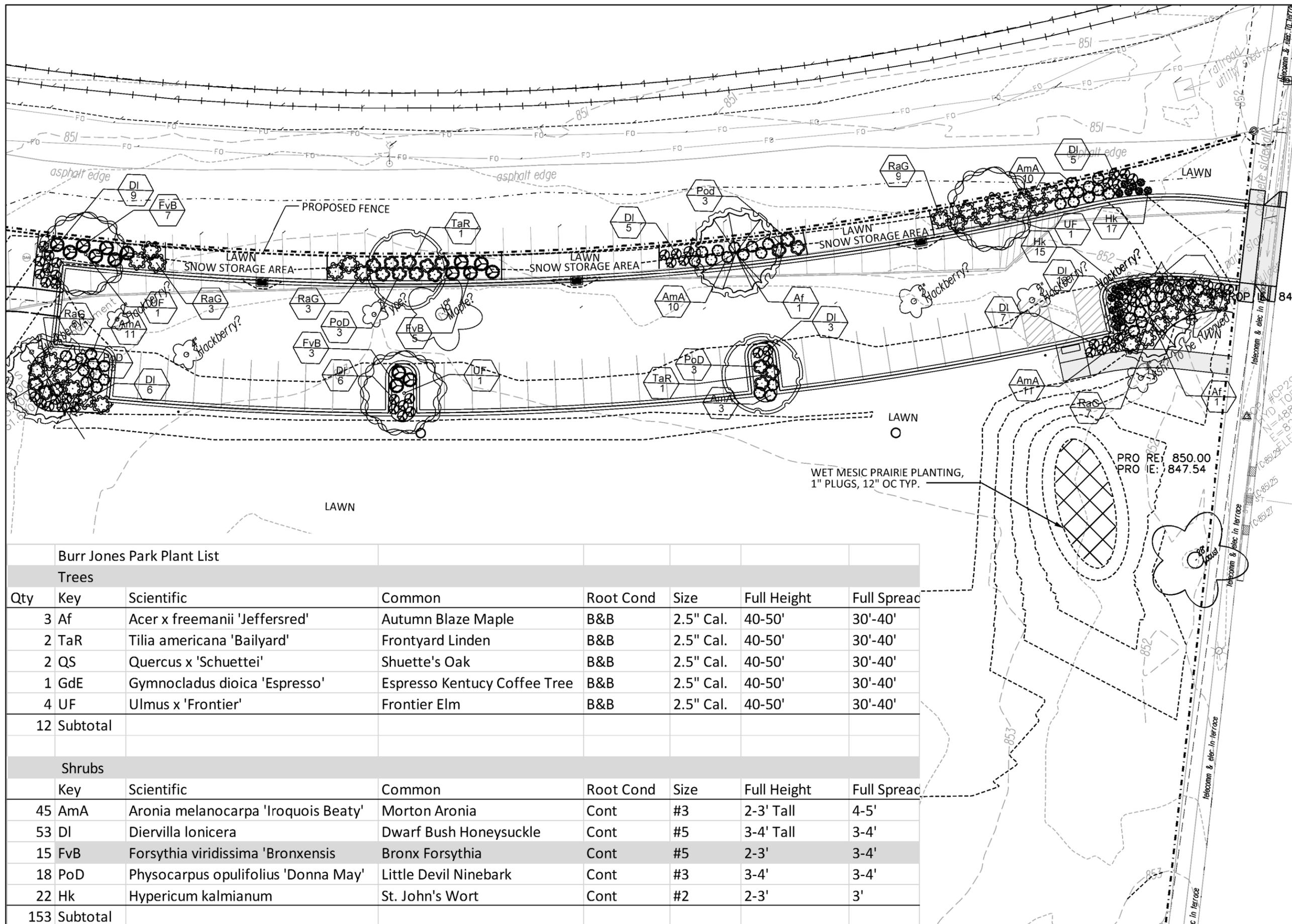
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ITEM DATE  
 Drawn by: XX-XX-XXXX  
 Approved by: XX-XX-XXXX

PUBLIC WORKS PROJECT #:  
**8359**

SHEET TITLE:  
**LANDSCAPE PLAN -  
 PARKING LOT**

SHEET NUMBER:  
**L-8**



Burr Jones Park Plant List

Trees							
Qty	Key	Scientific	Common	Root Cond	Size	Full Height	Full Spread
3	Af	Acer x freemanii 'Jeffersred'	Autumn Blaze Maple	B&B	2.5" Cal.	40-50'	30'-40'
2	TaR	Tilia americana 'Bailyard'	Frontyard Linden	B&B	2.5" Cal.	40-50'	30'-40'
2	QS	Quercus x 'Schuettei'	Shuette's Oak	B&B	2.5" Cal.	40-50'	30'-40'
1	GdE	Gymnocladus dioica 'Espresso'	Espresso Kentucky Coffee Tree	B&B	2.5" Cal.	40-50'	30'-40'
4	UF	Ulmus x 'Frontier'	Frontier Elm	B&B	2.5" Cal.	40-50'	30'-40'
12	Subtotal						
Shrubs							
	Key	Scientific	Common	Root Cond	Size	Full Height	Full Spread
45	AmA	Aronia melanocarpa 'Iroquois Beaty'	Morton Aronia	Cont	#3	2-3' Tall	4-5'
53	DI	Diervilla lonicera	Dwarf Bush Honeysuckle	Cont	#5	3-4' Tall	3-4'
15	FvB	Forsythia viridissima 'Bronxensis	Bronx Forsythia	Cont	#5	2-3'	3-4'
18	PoD	Physocarpus opulifolius 'Donna May'	Little Devil Ninebark	Cont	#3	3-4'	3-4'
22	Hk	Hypericum kalmianum	St. John's Wort	Cont	#2	2-3'	3'
153	Subtotal						



# TLC for LED® - Total Light Control



For nearly a decade, Musco has been testing the Light Emitting Diode (LED) light source and applying it in projects in which it was the best option. While LED saved energy, for a typical recreational facility the hours of operation weren't great enough to offset the higher cost.

With our Total Light Control—TLC for LED® technology, we've paired our expertise in light control with the advancing output of LED to the point where it's a cost-effective option for recreational facilities.

The result is a system that makes Musco's great lighting even better.

**Better for Players...** who want to perform their best and be able to track the entire flight of the ball.

**Better for Neighbors...** who don't want glare in or around their homes or lights left on when not in use.

**Better for the Night Sky...** with bright, uniform light directed onto the field and not spilling above it.



Trojan Park - 2016 NRPA Parks Build Community

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LoConte Family Field - Clemson University

# Burr Jones Park

Madison, WI

## Lighting System

Pole / Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
S1, S3-S4, S6	70'	70'	4	TLC-LED-1150	4.60 kW	A
S2, S5	70'	70'	6	TLC-LED-1150	6.90 kW	A
<b>8</b>			<b>34</b>		<b>34.60 kW</b>	

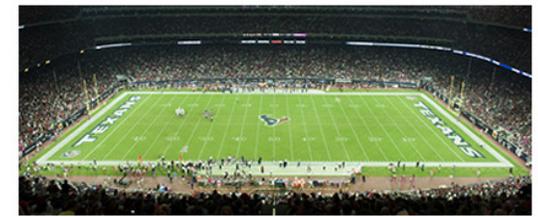
Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Soccer	32.2 kW	28
B	Basketball	2.4 kW	6

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-1150	LED 5700K - 75 CRI	1150W	121,000	>81,000	>81,000	>81,000	28
TLC-LED-400	LED 5700K - 75 CRI	400W	46,500	>81,000	>81,000	>81,000	6

## Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Blanket Grid	Horizontal	5.75	0	47	0.00		A,B	34
Soccer	Horizontal Illuminance	32.3	26	44	1.73	1.24	A	28
Ultimate Field 1	Horizontal Illuminance	33.5	25	44	1.73	1.34	A	28
Ultimate Field 2	Horizontal Illuminance	32.1	23	40	1.73	1.39	A	28

## From Hometown to Professional



**We Make It Happen.**

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### EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	S1, S3-S4 S6	70'	-	70'	TLC-LED-1150	4	4	0
2	S2, S5	70'	-	70'	TLC-LED-1150	6	6	0
6	TOTALS					28	28	0

## Burr Jones Park

Madison, WI

### GRID SUMMARY

**Name:** Soccer  
**Size:** 330' x 210'  
**Spacing:** 30.0' x 30.0'  
**Height:** 3.0' above grade

### ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

Entire Grid	
<b>Guaranteed Average:</b>	<b>30</b>
Scan Average:	32.28
Maximum:	44
Minimum:	26
Avg / Min:	1.26
<b>Guaranteed Max / Min:</b>	<b>2.5</b>
Max / Min:	1.73
UG (adjacent pts):	1.39
CU:	0.65
No. of Points:	77

### LUMINAIRE INFORMATION

**Color / CRI:** 5700K - 75 CRI  
**Luminaire Output:** 121,000 / 52,000 lumens  
**No. of Luminaires:** 28  
**Total Load:** 32.2 kW

Luminaire Type	Lumen Maintenance		
	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>81,000	>81,000	>81,000
TLC-BT-575	>81,000	>81,000	>81,000

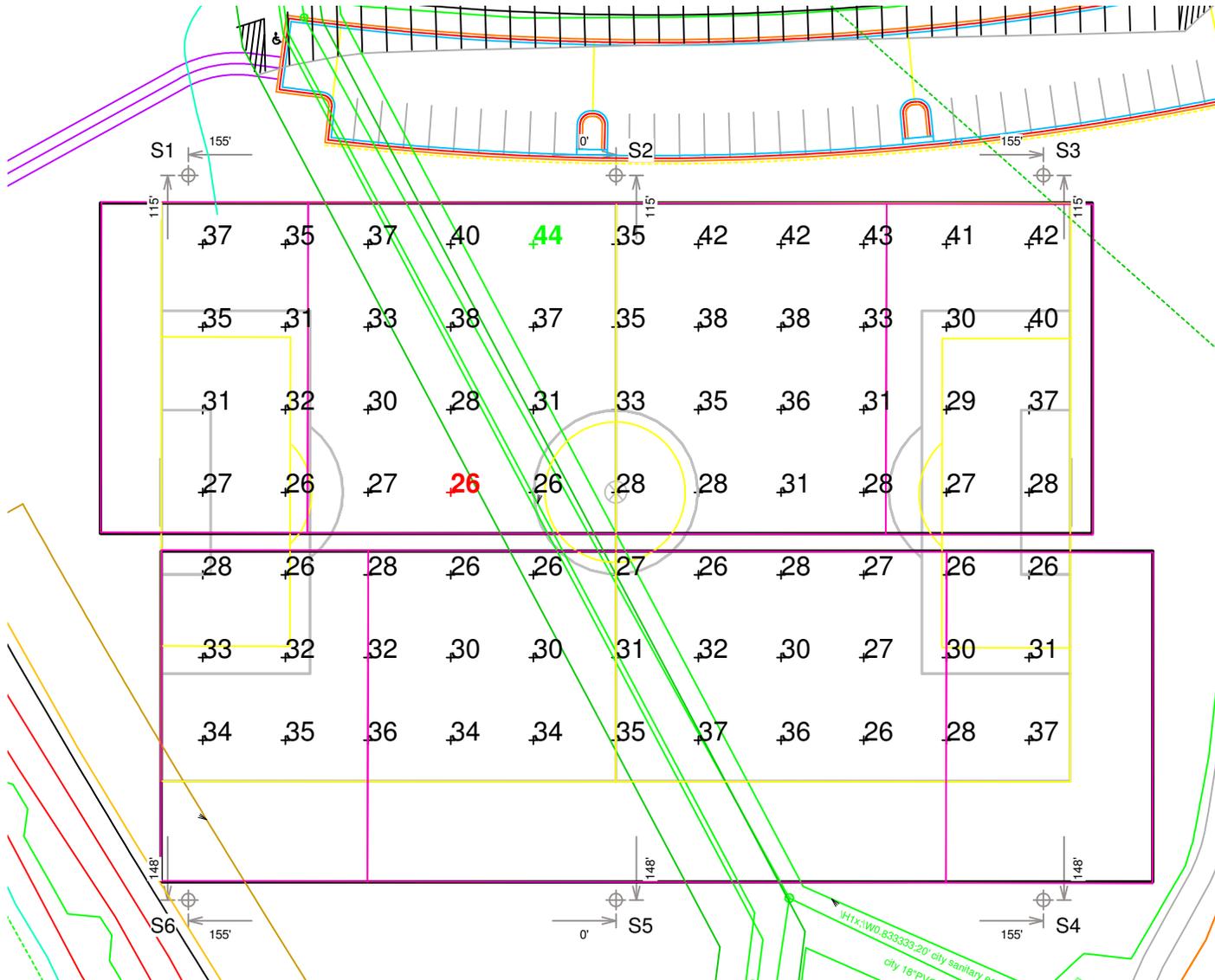
Reported per TM-21-11. See luminaire datasheet for details.

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

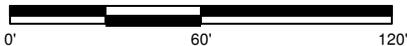
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**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 driver and structures located within 3 feet (1m) of design locations.



SCALE IN FEET 1 : 60



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



**We Make It Happen.**

### EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	S1, S3-S4 S6	70'	-	70'	TLC-LED-1150	4	4	0
2	S2, S5	70'	-	70'	TLC-LED-1150	6	6	0
6	TOTALS					28	28	0

## Burr Jones Park

Madison, WI

### GRID SUMMARY

**Name:** Ultimate Field 1  
**Size:** 360' x 120'  
**Spacing:** 30.0' x 30.0'  
**Height:** 3.0' above grade

### ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

Entire Grid	
<b>Guaranteed Average:</b>	<b>30</b>
Scan Average:	33.52
Maximum:	44
Minimum:	25
Avg / Min:	1.33
<b>Guaranteed Max / Min:</b>	<b>2.5</b>
Max / Min:	1.73
UG (adjacent pts):	1.39
CU:	0.42
No. of Points:	48

### LUMINAIRE INFORMATION

**Color / CRI:** 5700K - 75 CRI  
**Luminaire Output:** 121,000 / 52,000 lumens  
**No. of Luminaires:** 28  
**Total Load:** 32.2 kW

Luminaire Type	Lumen Maintenance		
	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>81,000	>81,000	>81,000
TLC-BT-575	>81,000	>81,000	>81,000

Reported per TM-21-11. See luminaire datasheet for details.

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

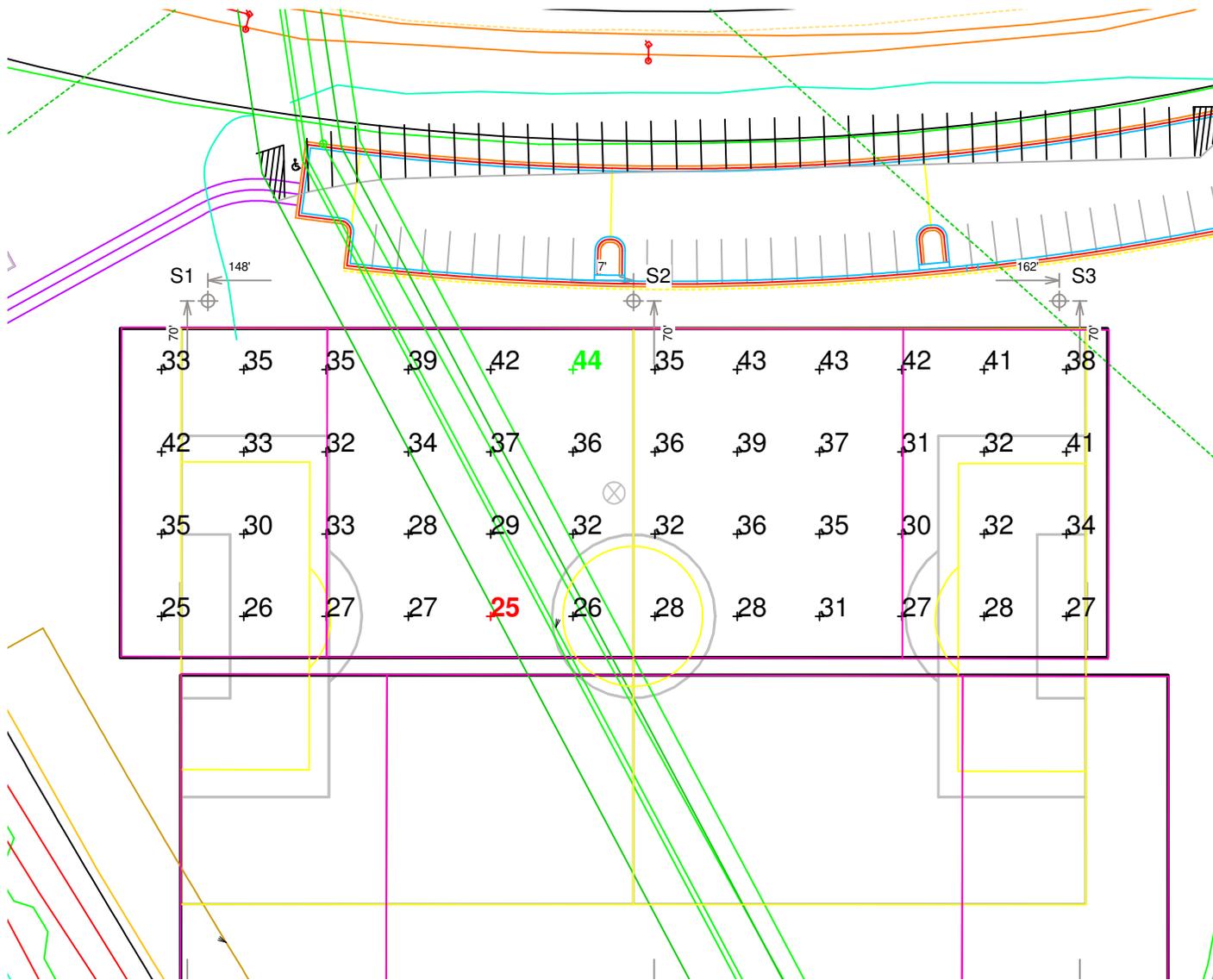
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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



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

### EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	S1, S3-S4 S6	70'	-	70'	TLC-LED-1150	4	4	0
2	S2, S5	70'	-	70'	TLC-LED-1150	6	6	0
6	TOTALS					28	28	0

## Burr Jones Park

Madison, WI

### GRID SUMMARY

**Name:** Ultimate Field 2  
**Size:** 360' x 120'  
**Spacing:** 30.0' x 30.0'  
**Height:** 3.0' above grade

### ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

Entire Grid	
<b>Guaranteed Average:</b>	<b>30</b>
Scan Average:	32.07
Maximum:	40
Minimum:	23
Avg / Min:	1.37
<b>Guaranteed Max / Min:</b>	<b>2.5</b>
Max / Min:	1.73
UG (adjacent pts):	1.47
CU:	0.40
No. of Points:	48

### LUMINAIRE INFORMATION

**Color / CRI:** 5700K - 75 CRI  
**Luminaire Output:** 121,000 / 52,000 lumens  
**No. of Luminaires:** 28  
**Total Load:** 32.2 kW

Luminaire Type	Lumen Maintenance		
	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>81,000	>81,000	>81,000
TLC-BT-575	>81,000	>81,000	>81,000

Reported per TM-21-11. See luminaire datasheet for details.

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

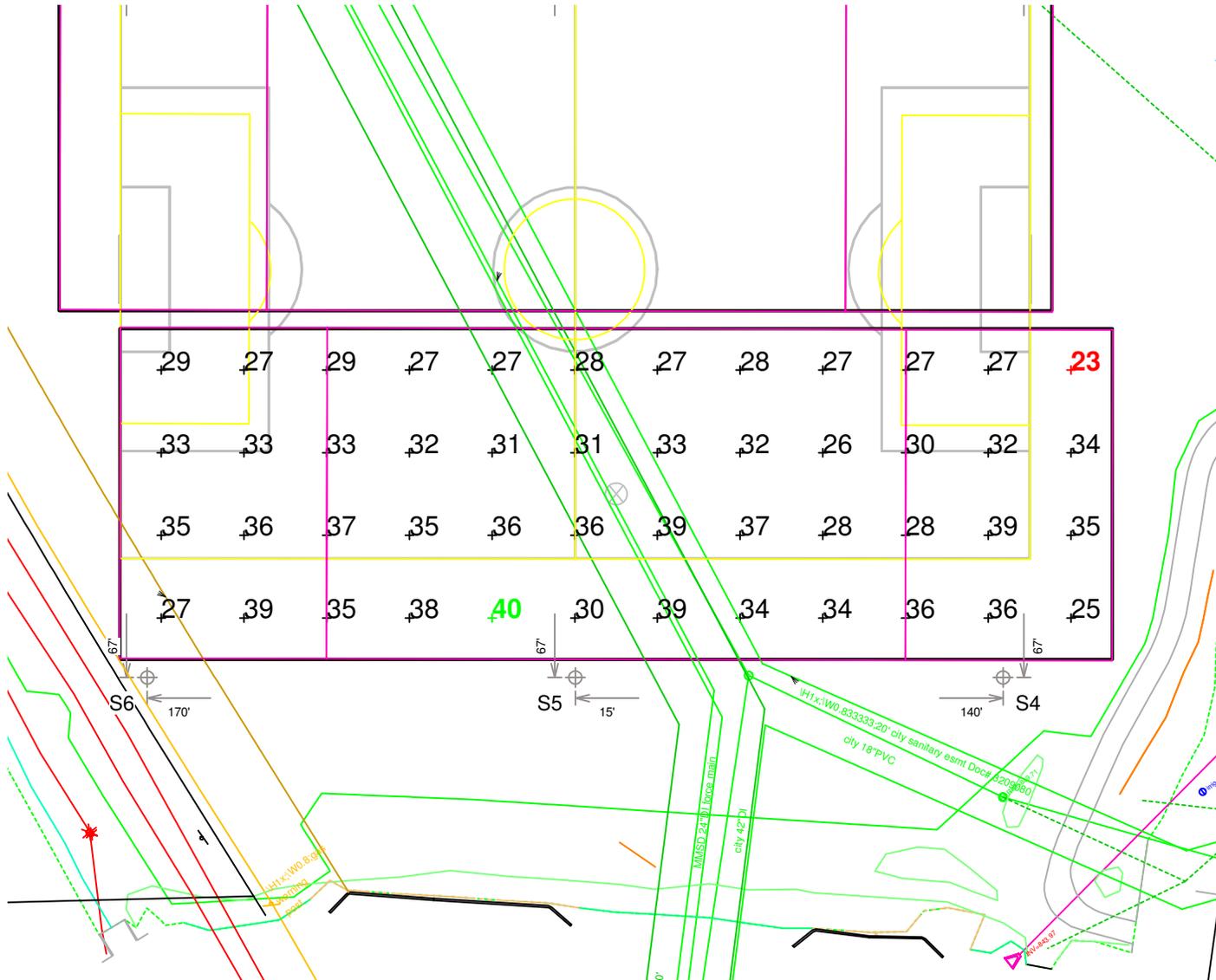
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