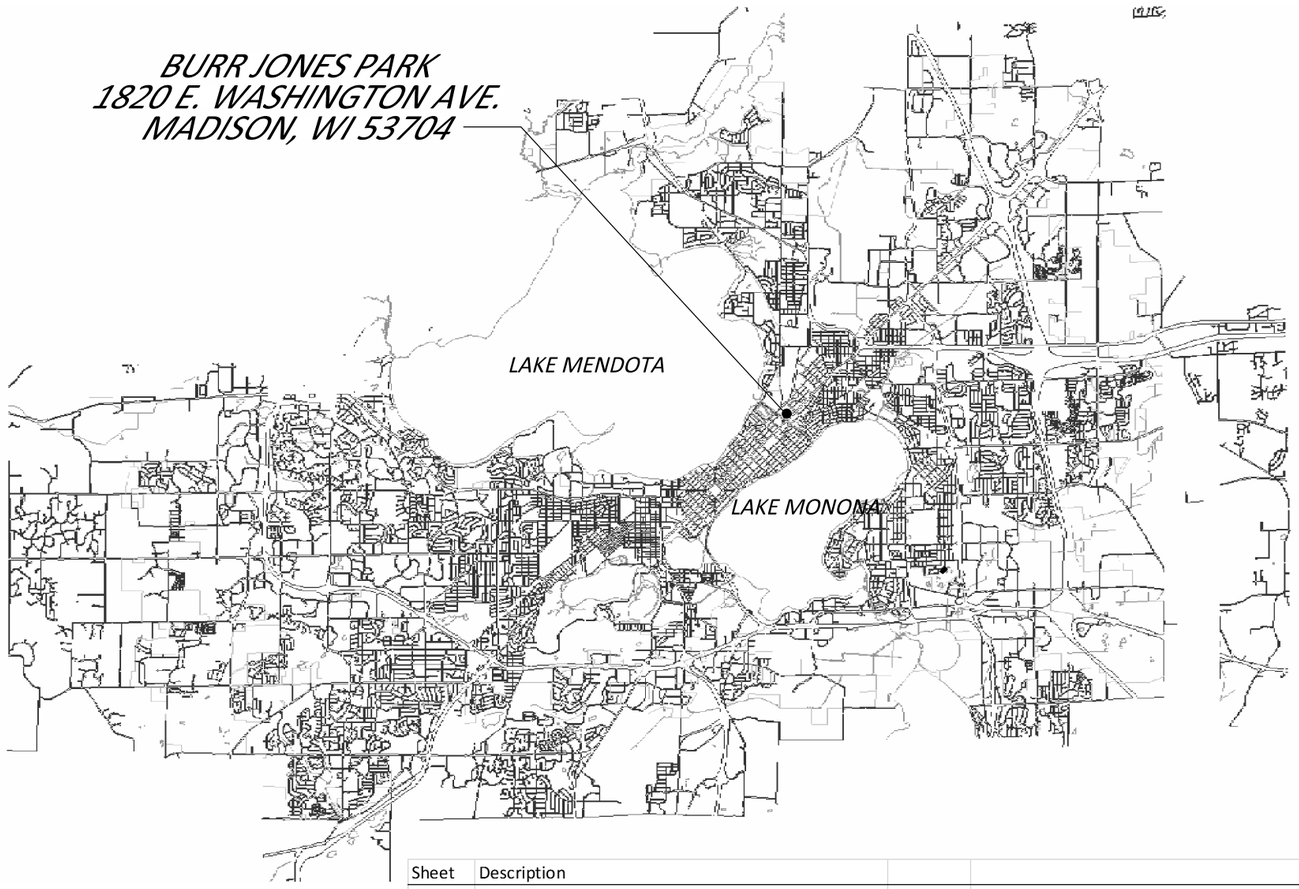
BURR JONES PARK - SITE IMPROVEMENTS

CONTRACT 8359

MUNIS: 17395 -51 -130

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



Sheet	Description						
1.0	Project Location Plan	6.0	Grading Plan	8.0	Site Restoration Plan		
2.0	Existing Site Plan	6.1	Grading Plan - Basketball Court and Path	9.0	Utility Plan - Electrical Service		
2.1	Existing Utility Easements Plan	6.2	Grading Plan - Parking Lot	9.1	Utility Plan - Electrical Service Details		
3.0	Site Access, Erosion Control and Site Protection Plan	6.3	Grading Plan - Field North	10.0	Athletic Field Lighting - Pole Footings		
4.0	Demolition Plan	6.4	Grading Plan - Field South	10.1	Athletic Field Lighting - Pole Schedule		
5.0	Site Plan	6.5	Path Profile	10.2	Athletic Field Lighting - Photometrics		
5.1	Site Plan - Basketball Court and Path	6.6	Isopach Plan (Reference Only)	11.0	Site Details - Path Section		
5.2	Site Plan - Parking Lot	6.7	Grading Computations	11.1	Site Details - Basketball Goal		
5.3	Site Plan - Field North	7.0	Utility Plan - Storm Sewer	11.2	Site Details - Fence		
5.4	Site Plan - Field South	7.1	Bio-Retention Basin Section				

WISCONSIN
MICHAEL STURM
LA-580-14
MADISON
WIS.
LANDSCAPE ARCHITECT
05-17-19

WISCONSIN
MICHAEL E.
HEIN
E-22036
MADISON
WI
PROFESSIONAL ENGINEER
5.30.19

WISCONSIN
COREY
STELLJES
41150
MADISON
WISCONSIN
PROFESSIONAL ENGINEER
5-30-19

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
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:

SHEET NUMBER:

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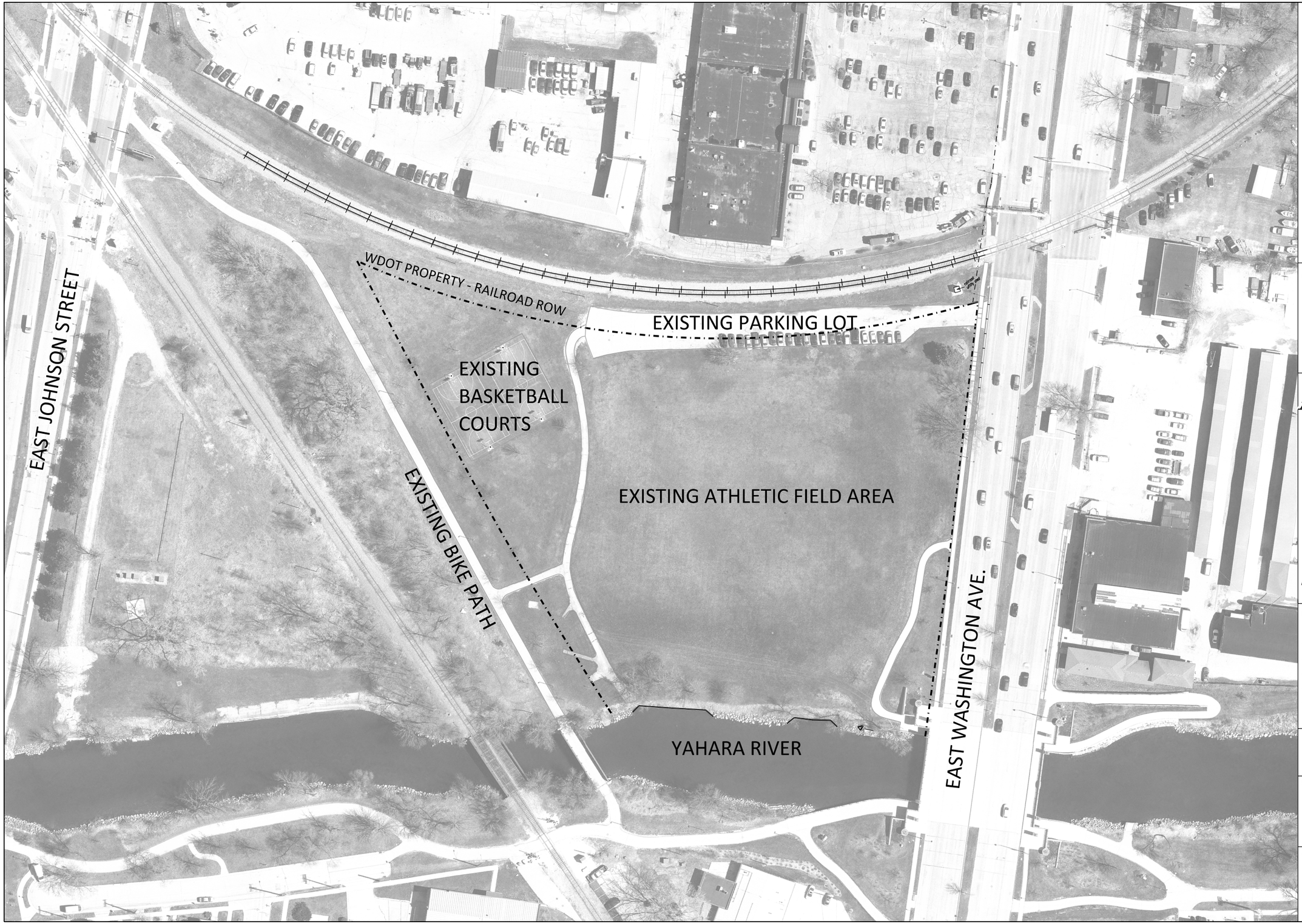

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play MADISON PARKS

Graphical Scale
0 100 ft

N

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BURR JONES PARK SITE IMPROVEMENTS

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8359

SHEET TITLE:
PROJECT LOCATION PLAN

SHEET NUMBER:
1.0

M:\Maps\parks\BurrJones\Parking Lot\BurrJones Park Improvements.dgn

EXISTING PARKING LOT

EXISTING BASKETBALL COURTS

EXISTING ATHLETIC FIELD AREA

EXISTING PATH

YAHARA RIVER

EAST WASHINGTON AVE.

LEGEND

- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
- EX. EASEMENT
- EX. PROPERTY LINE
- SAN — EX. SANITARY SEWER
- ST — EX. STORM SEWER
- E — EX. ELECTRIC
- FO — EX. FIBER OPTIC
- G — EX. GAS
- OH — EX. OVERHEAD ELECTRIC LINE
- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT

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City of Madison

Department of Public Works

PARKS DIVISION

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play MADISON PARKS

Graphical Scale

0 60 ft

N

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BURR JONES PARK SITE IMPROVEMENTS

BURR JONES PARK
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MADISON, WI 53704

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8359

SHEET TITLE:

EXISTING SITE PLAN

SHEET NUMBER:

2.0

WORK IN RAILROAD ROW. FLAGGING AND INSURANCE PER BID ITEMS 10712 AND 10790.

WDOT PROPERTY - RAILROAD ROW

EXISTING MG&E EASEMENT

EXISTING ATC EASEMENT

EXISTING MMSD EASEMENT

DELINEATED WETLAND

YAHARA RIVER

EAST WASHINGTON AVE.

LEGEND

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- OH — EX. OVERHEAD ELECTRIC LINE
- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT
- EX. ABANDONED SANITARY SEWER

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Graphical Scale
0 60 ft

N

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BURR JONES PARK SITE IMPROVEMENTS

BURR JONES PARK
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8359

SHEET TITLE:
EXISTING UTILITY EASEMENTS PLAN

SHEET NUMBER:
2.1

PRO. CONCRETE WASH-OUT, PER BID ITEMS 30201, 30205,30207,30301 AND 30302.

SALVAGE EX. PARK PLAQUE, PER BID ITEM 90011

SALVAGE EX. PARK SIGN, PER BID ITEM 90010

PROTECT EX. DEDICATION BOULDER DURING ALL CONSTRUCTION OPERATIONS.

INLET PROTECTION, TYP D - COMPLETE (3), PER BID ITEM 21041

EAST WASHINGTON AVE.

YAHARA RIVER

NE line of 67' parkway per 4/10/1903 resolution & Doc 600544

LEGEND

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- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT
- PRO. CONSTRUCTION FENCE, PER BID ITEM 90000
- SILT SOCK, PER BID ITEM 21017
- CONSTRUCTION ENTRANCE, PER BID ITEM 21011
- NRC — NO ROOT CUT, PER BID ITEM 10803

NOTES

1. CONTRACTOR RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

2. CONTRACTOR SHALL NOT STORE ANY MATERIALS OVER MG&E OR ATC EASEMENTS. SURVEYOR TO LOCATE EASEMENT PRIOR TO CONSTRUCTION.

3. ALL DISTURBED AREAS TO RECEIVE TURF SHALL BE SEEDED AND MATTED PER BID ITEMS 20701, 21061 AND 21071. SEE SHEET 8.0 FOR EXTENTS.

4. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL PROVIDE EROSION CONTROL AT THE DISCHARGE POINT AS REQUIRED PER THE CONDITIONS OF THE PERMIT IN ACCORDANCE WITH ARTICLE 502 OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONTRACTS.

5. ALL PROPOSED STORM INLETS SHALL RECEIVE INLET PROTECTION, TYP. D - COMPLETE, PER BID ITEM 21041. SEE SHEET 7.0 FOR PRO. INLET LOCATIONS.

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play MADISON PARKS

Graphical Scale
0 60 ft

N

PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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

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PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
SITE ACCESS, EROSION CONTROL AND SITE PROTECTION PLAN

SHEET NUMBER:
3.0

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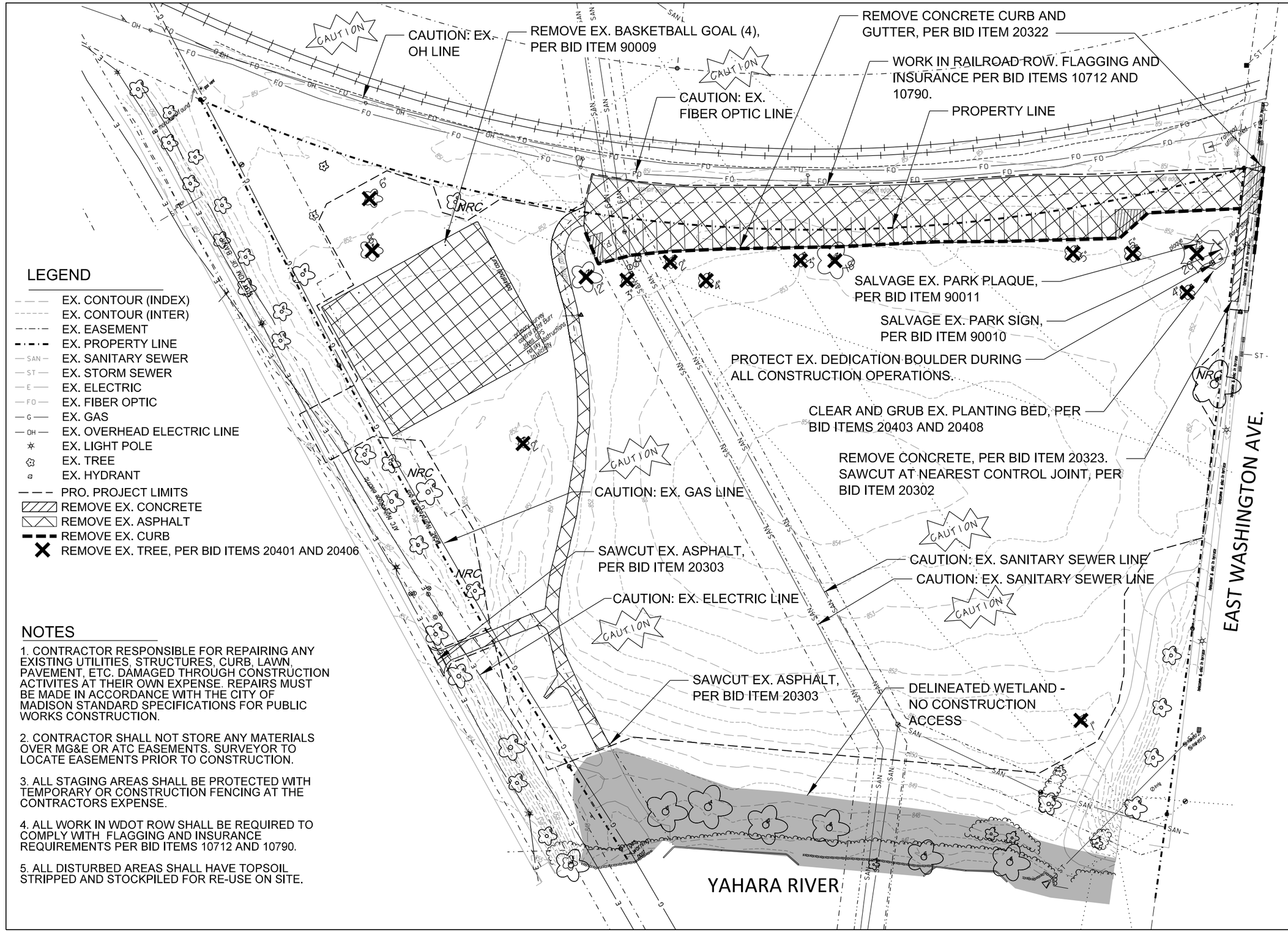

LEGEND

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- EX. STORM SEWER
- EX. ELECTRIC
- EX. FIBER OPTIC
- EX. GAS
- EX. OVERHEAD ELECTRIC LINE
- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT
- PRO. PROJECT LIMITS
- REMOVE EX. CONCRETE
- REMOVE EX. ASPHALT
- REMOVE EX. CURB
- REMOVE EX. TREE, PER BID ITEMS 20401 AND 20406

NOTES

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2. CONTRACTOR SHALL NOT STORE ANY MATERIALS OVER MG&E OR ATC EASEMENTS. SURVEYOR TO LOCATE EASEMENTS PRIOR TO CONSTRUCTION.

3. ALL STAGING AREAS SHALL BE PROTECTED WITH TEMPORARY OR CONSTRUCTION FENCING AT THE CONTRACTORS EXPENSE.

4. ALL WORK IN WDOT ROW SHALL BE REQUIRED TO COMPLY WITH FLAGGING AND INSURANCE REQUIREMENTS PER BID ITEMS 10712 AND 10790.

5. ALL DISTURBED AREAS SHALL HAVE TOPSOIL STRIPPED AND STOCKPILED FOR RE-USE ON SITE.

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BURR JONES PARK SITE IMPROVEMENTS

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8359

SHEET TITLE:
DEMOLITION PLAN

SHEET NUMBER:
4.0

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WORK IN RAILROAD ROW. FLAGGING AND INSURANCE PER BID ITEMS 10712 AND 10790.

PROPOSED FENCE, SEE SHEET 11.2

MATCH LINE

MATCH LINE

SEE SHEET 5.1 SEE SHEET 5.2

SEE SHEET 5.3 SEE SHEET 5.4

MATCH LINE

MATCH LINE

EAST WASHINGTON AVE.

YAHARA RIVER

LEGEND

- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
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- EX. GAS
- EX. OVERHEAD ELECTRIC LINE
- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT

- PRO. PROJECT LIMITS
- PRO. ASPHALT
- PRO. CONCRETE, 7 INCH
- PRO. CONCRETE, 5 INCH
- PRO. ACCESSIBLE STALL PAVEMENT MARKING
- PRO. TYPE "E" CURB AND GUTTER, REJECT CURB
- PRO. TYPE "H" CURB AND GUTTER, ACCEPT CURB
- PRO. ATHLETIC FIELD LIGHT POLE

NOTES

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8359

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
5.0

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- PRO. PROJECT LIMITS
- PRO. ASPHALT
- PRO. CONCRETE, 7 INCH
- PRO. CONCRETE, 5 INCH
- PRO. TYPE "E" CURB AND GUTTER, REJECT CURB
- PRO. TYPE "H" CURB AND GUTTER, ACCEPT CURB
- PRO. ATHLETIC FIELD LIGHT POLE, PER BID ITEM 90013.

- PRO. ATHLETIC FIELD EXTENTS
- ST — PRO. STORM SEWER PIPE
- PRO. BICYCLE RACK

NOTES

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2. CONTRACTOR SHALL NOT STORE ANY MATERIALS WITHIN MG&E AND ATC EASEMENTS. CONTRACTOR'S SURVEYOR SHALL LOCATE AND STAKE EASEMENTS PRIOR TO CONSTRUCTION.

PRO. BASKETBALL COURT LINE PAINTING, PER BID ITEM 90008.

PRO. BASKETBALL GOAL (2), PER BID ITEM 90007.

8 INCH TYPE III STORM SEWER PIPE PER BID ITEM 50441.

CONTRACTOR SHALL PERFORM (2) ULO FOR EXISTING GAS LINE PRIOR TO EARTHWORK AND PATH CONSTRUCTION.

PRO. ELECTRICAL SYSTEM PANELS PER BID ITEM 90012. SEE SHEETS 9.0 AND 9.1.

PRO. BICYCLE RACK (2), PER BID ITEM 90006.

PRO. MG&E TRANS. BY OTHER

MATCH LINE - SEE SHEET 5.2

MATCH LINE - SEE SHEET 5.3

Graphical Scale 0 30 ft

N

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8359

SHEET TITLE:
SITE PLAN - BASKETBALL COURT AND PATH

SHEET NUMBER:
5.1

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LEGEND

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- EX. GAS
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- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT
- PRO.PROJECT LIMITS
- PRO. ASPHALT
- PRO. CONCRETE, 7 INCH
- PRO. CONCRETE, 5 INCH
- PRO. TRAFFIC OR PARKING SIGN
- PRO. ACCESSIBLE STALL PAVEMENT MARKING
- PRO. TYPE "E" CURB AND GUTTER, REJECT CURB
- PRO. TYPE "H" CURB AND GUTTER, ACCEPT CURB
- PRO. ATHLETIC FIELD LIGHT POLE
- PRO. ATHLETIC FIELD EXTENTS

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PRO. TYPE "A" CURB AND GUTTER, PER BID ITEM 30201.

PRO. COMMERCIAL DRIVE OPENING, PER BID ITEM 30303.

PRO. STOP SIGN, VAN, PER BID ITEM 90002.

PRO. PAVEMENT MARKING, DIAGONAL (TYP.), PER BID ITEM 60849.

PRO. PAVEMENT MARKING - ACCESSIBLE STALL (2), PER BID ITEM 60821.

PRO. ACCESSIBLE PARKING STALL SIGN, VAN (2), PER BID ITEM 90002.

PRO. PAVEMENT MARKING, 4-INCH (TYP.), PER BID ITEM 60800.

PRO. BIKE/PED RAMP, PER S.D.D. 3.14.

PRO. CURB RAMP DETECTABLE WARNING FIELD, PER BID ITEM 30340.

PRO. ATHLETIC FIELD LIGHTING SYSTEM, PER BID ITEM 90013.
SEE SHEET 9.0.

PRO. SALVAGED PARK SIGN, PER BID ITEM 90010.

PRO. SALVAGED PLAQUE, PER BID ITEM 90011.

CONTRACTOR SHALL PERFORM (2) ULO FOR EXISTING TELECOM AND ELECTRICAL LINES PRIOR TO WORK IN ROW.

MATCH LINE - SEE SHEET 5.1

MATCH LINE - SEE SHEET 5.4

360'

railroad utility shed

telecomm & elec. in terrace

City of Madison

Department of Public Works

PARKS DIVISION

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play MADISON PARKS

Graphical Scale
0 30 ft

N

PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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

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8359

SHEET TITLE:
SITE PLAN - PARKING LOT

SHEET NUMBER:
5.2

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LEGEND

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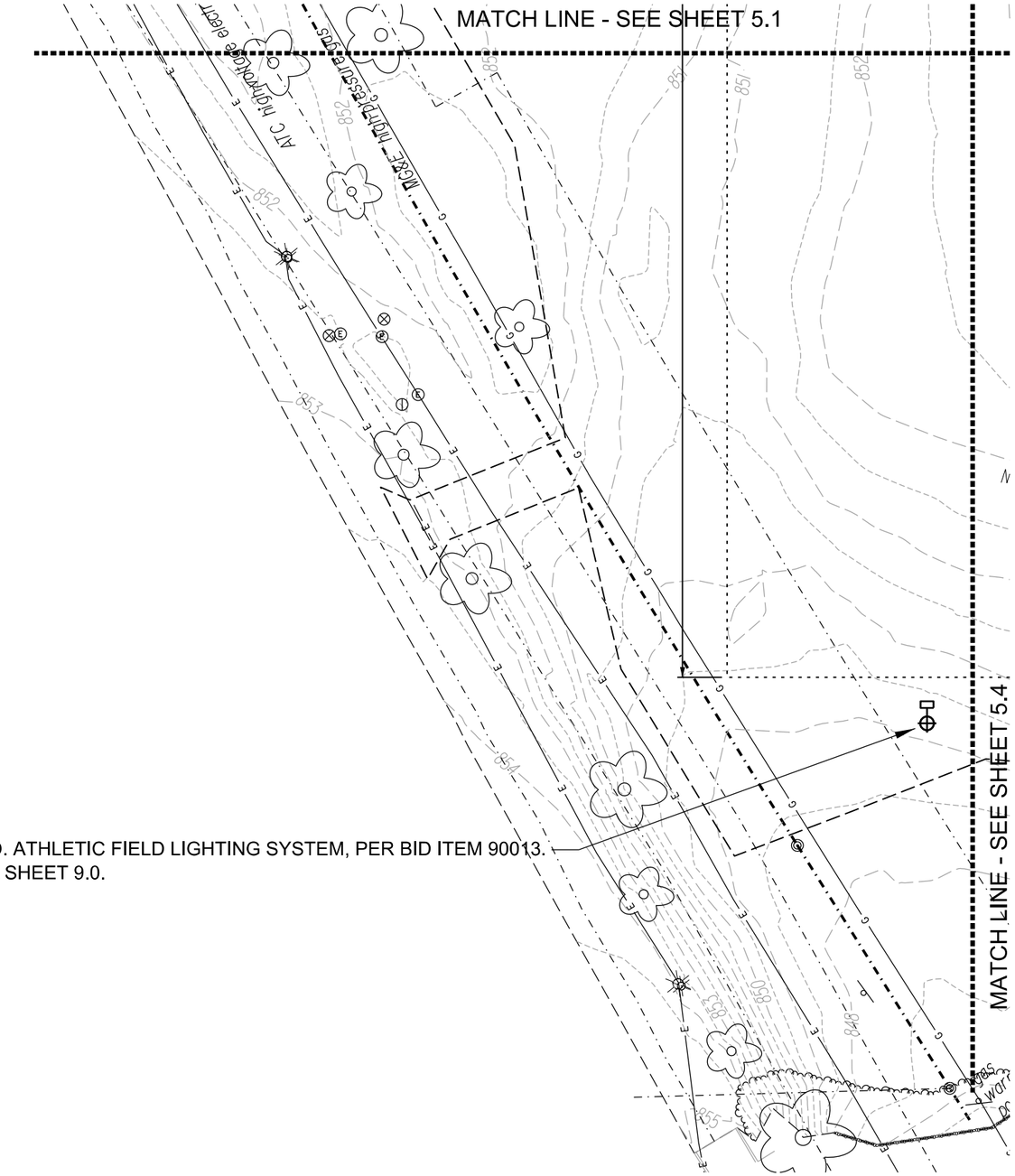
- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT
- PRO. PROJECT LIMITS
- PRO. ATHLETIC FIELD LIGHT POLE
- PRO. ATHLETIC FIELD EXTENTS



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PRO. ATHLETIC FIELD LIGHTING SYSTEM, PER BID ITEM 90013. SEE SHEET 9.0.

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SHEET TITLE:
SITE PLAN - FIELD NORTH

SHEET NUMBER:
5.3

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LEGEND

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- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT
- PRO.PROJECT LIMITS
- PRO. ATHLETIC FIELD LIGHT POLE
- PRO. ATHLETIC FIELD EXTENTS

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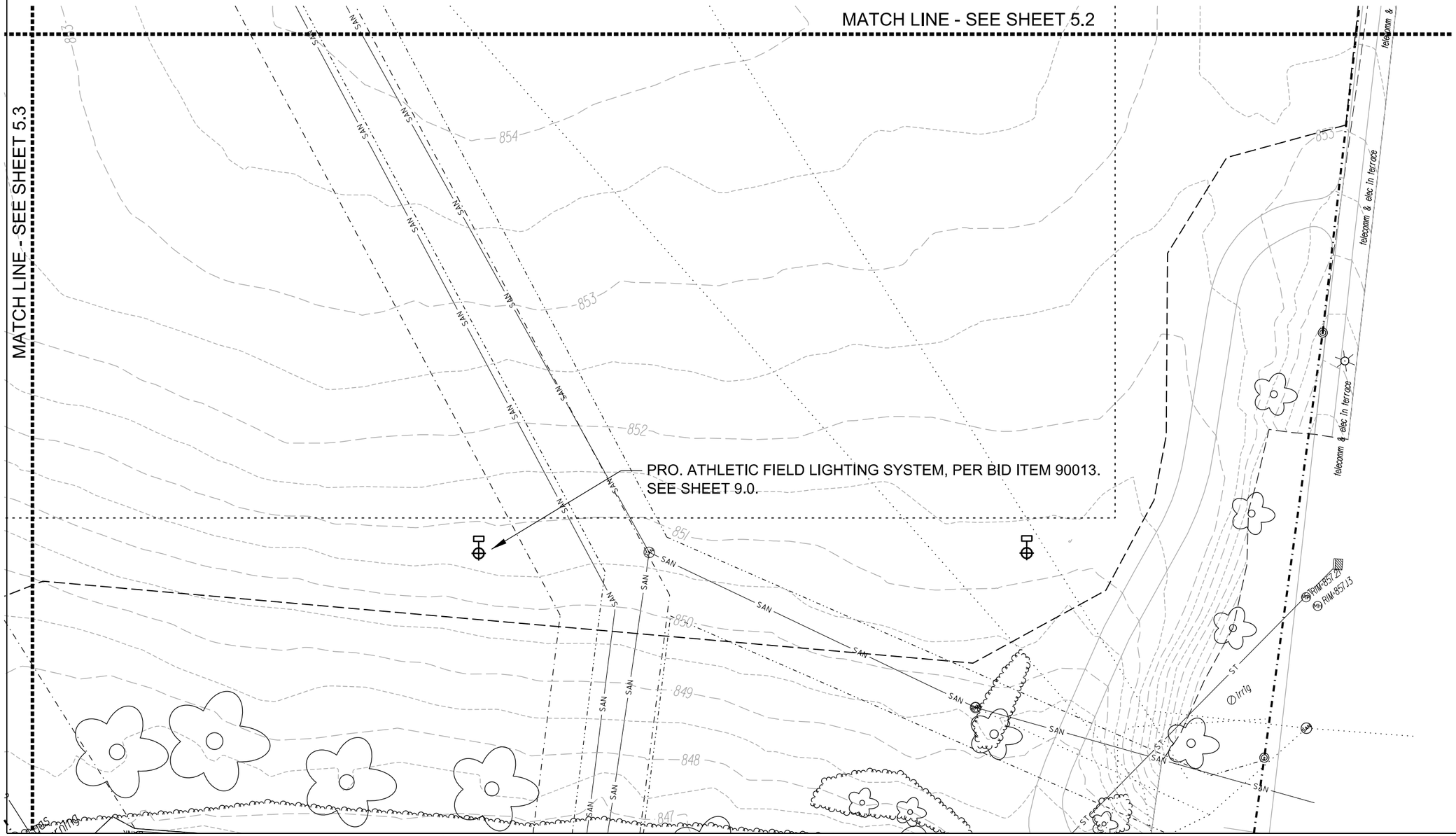

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SITE PLAN - FIELD SOUTH

SHEET NUMBER:

5.4

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WORK IN RAILROAD ROW. FLAGGING AND INSURANCE PER BID ITEMS 10712 AND 10790.

MATCH LINE

SEE SHEET 6.1 SEE SHEET 6.2

SEE SHEET 6.3 SEE SHEET 6.4

MATCH LINE

MATCH LINE

MATCH LINE

EAST WASHINGTON AVE.

YAHARA RIVER

LEGEND

- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
- EX. EASEMENT
- EX. PROPERTY LINE
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. ELECTRIC
- EX. FIBER OPTIC
- EX. GAS
- EX. OVERHEAD ELECTRIC LINE
- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT

- PRO. PROJECT LIMITS
- PRO. ASPHALT
- PRO. CONCRETE, 7 INCH
- PRO. CONCRETE, 5 INCH
- PRO. TRAFFIC OR PARKING SIGN
- PRO. ACCESSIBLE STALL PAVEMENT MARKING
- PRO. TYPE "E" CURB AND GUTTER, REJECT CURB
- PRO. TYPE "H" CURB AND GUTTER, ACCEPT CURB
- PRO. ATHLETIC FIELD LIGHT POLE
- PRO. ATHLETIC FIELD EXTENTS
- PRO. CONTOUR (INDEX)
- PRO.CONTOUR (INTER)

NOTES

1. CONTRACTOR RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

2. CONTRACTOR SHALL NOT STORE ANY MATERIALS OVER MG&E AND ATC EASEMENTS. CONTRACTOR'S SURVEYOR SHALL LOCATE AND STAKE EASEMENTS PRIOR TO CONSTRUCTION.

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

Graphical Scale
0 60 ft

N

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
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
GRADING PLAN

SHEET NUMBER:
6.0

M:\Maps\parks\BurrJones\Parking Lot\BurrJones Park Improvements.dgn

LEGEND

- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
- EX. EASEMENT
- EX. PROPERTY LINE
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. ELECTRIC
- EX. FIBER OPTIC
- EX. GAS
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- PRO. PROJECT LIMITS
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NOTES

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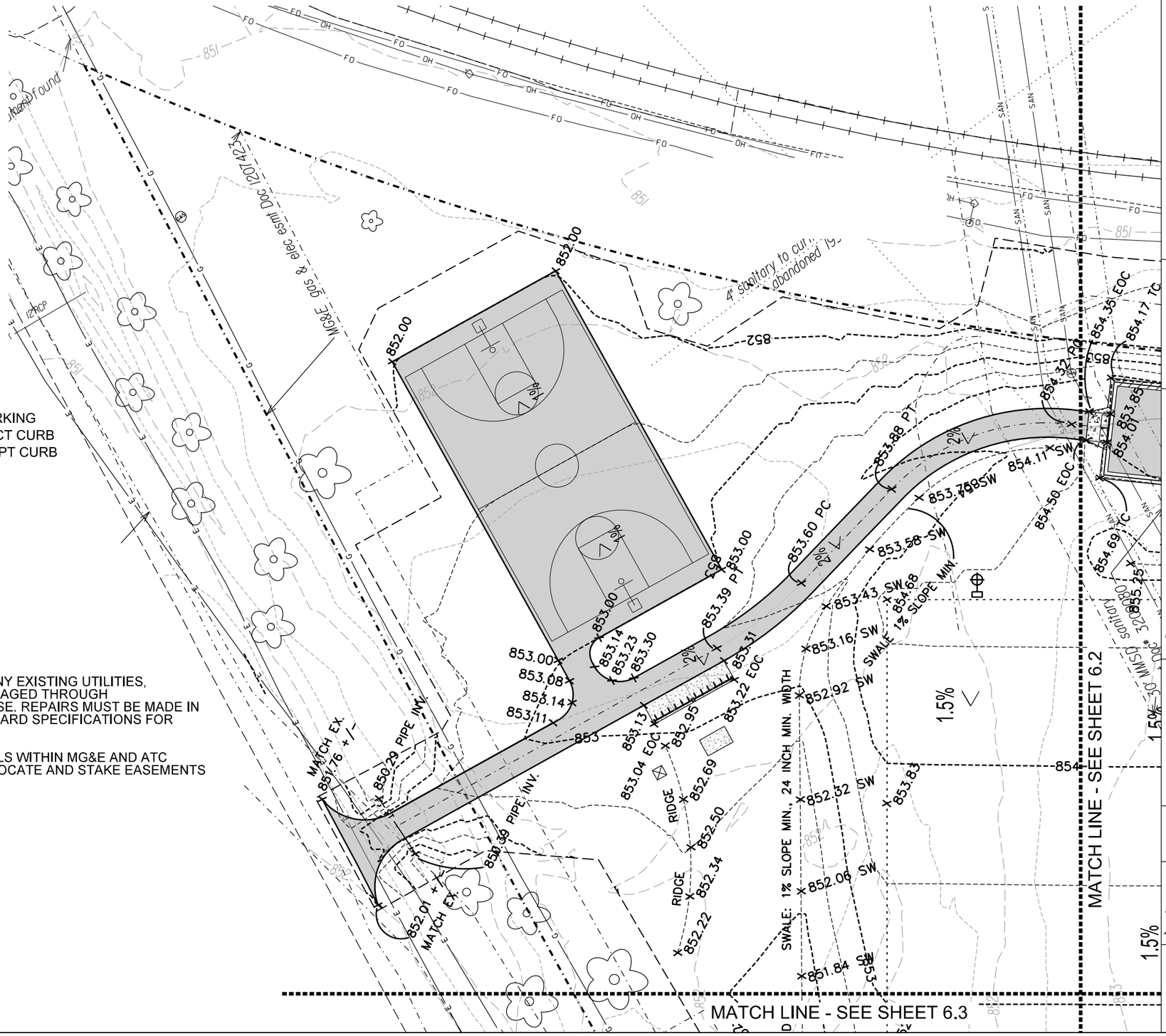
3. SEE SHEET 6.5 FOR PATH PROFILE.



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

Graphical Scale
0 30 ft

N

PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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

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Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:

8359

SHEET TITLE:

GRADING PLAN - BASKETBALL COURT AND PATH

SHEET NUMBER:

6.1

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LEGEND

- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
- EX. EASEMENT
- EX. PROPERTY LINE
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. ELECTRIC
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- PRO. TYPE "H" CURB AND GUTTER, ACCEPT CURB
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- PRO. ATHLETIC FIELD EXTENTS
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- PRO.CONTOUR (INTER)

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PRO. COMMERCIAL DRIVE OPENING, PER BID ITEM 30303 AND S.D.D. 3.02.

PRO. STORM SEWER, SEE SHEET 7.0.

EX. ABANDONED SANITARY SEWER, SEE SHEET 2.1.

PRO. BIO-RETENTION BASIN, SEE SHEET 7.1.

PRO. STORM SEWER, SEE SHEET 7.0.

EX. ABANDONED SANITARY SEWER, SEE SHEET 2.1.

MATCH LINE - SEE SHEET 6.1

MATCH LINE - SEE SHEET 6.4

railroad utility shed

telecomm & elec. in terrace

TC-851.29 SW INV 847.16

TC-851.25 ST

TC-851.27 NE INV 846.89

1.5%

RIDGE

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

Graphical Scale
0 30 ft

N

PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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

ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
GRADING PLAN - PARKING LOT

SHEET NUMBER:
6.2

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LEGEND

- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
- EX. EASEMENT
- EX. PROPERTY LINE
- SAN — EX. SANITARY SEWER
- ST — EX. STORM SEWER
- E — EX. ELECTRIC
- FO — EX. FIBER OPTIC
- G — EX. GAS
- OH — EX. OVERHEAD ELECTRIC LINE
- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT
- PRO. PROJECT LIMITS
- PRO. ATHLETIC FIELD LIGHT POLE
- PRO. ATHLETIC FIELD EXTENTS
- PRO. CONTOUR (INDEX)
- PRO.CONTOUR (INTER)

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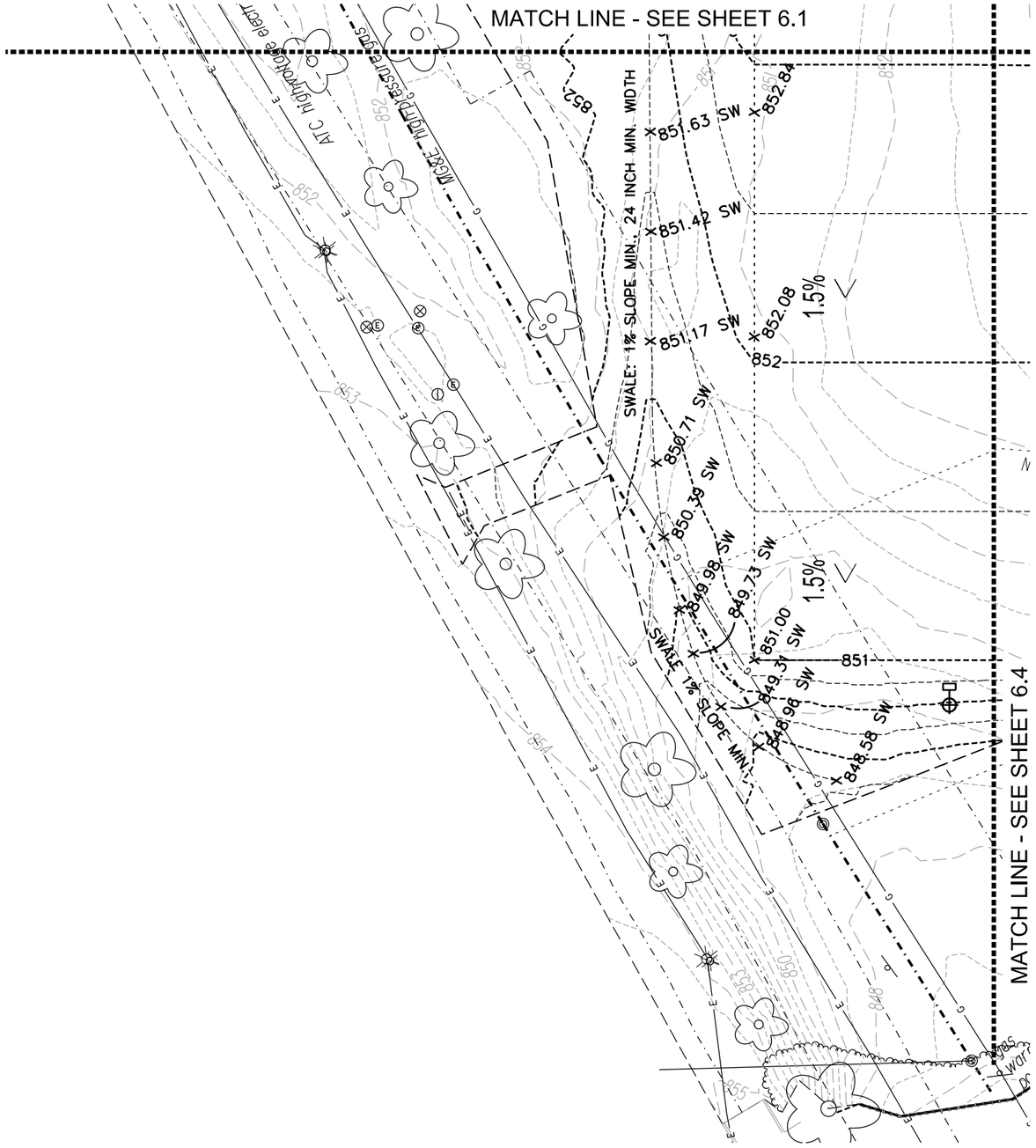

City of Madison
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Madison, WI 53703

play MADISON PARKS

Graphical Scale
0 — 30 ft

N

PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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

ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
GRADING PLAN - FIELD NORTH

SHEET NUMBER:
6.3

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LEGEND

- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
- EX. EASEMENT
- EX. PROPERTY LINE
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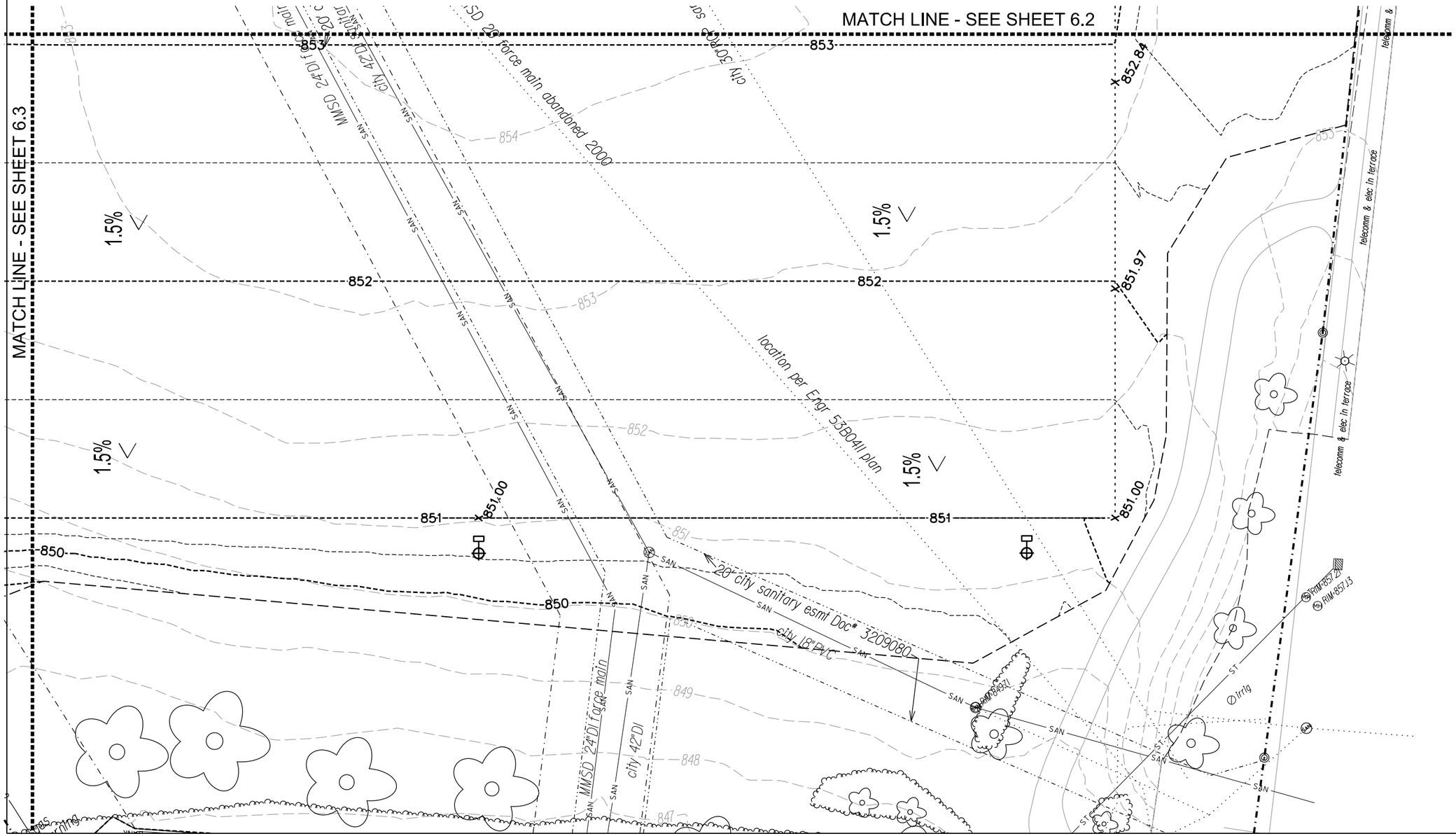

City of Madison

Department of Public Works

PARKS DIVISION

City-County Building, Suite 104
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play MADISON PARKS

Graphical Scale
0 30 ft

N

PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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

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ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
GRADING PLAN - FIELD SOUTH

SHEET NUMBER:
6.4

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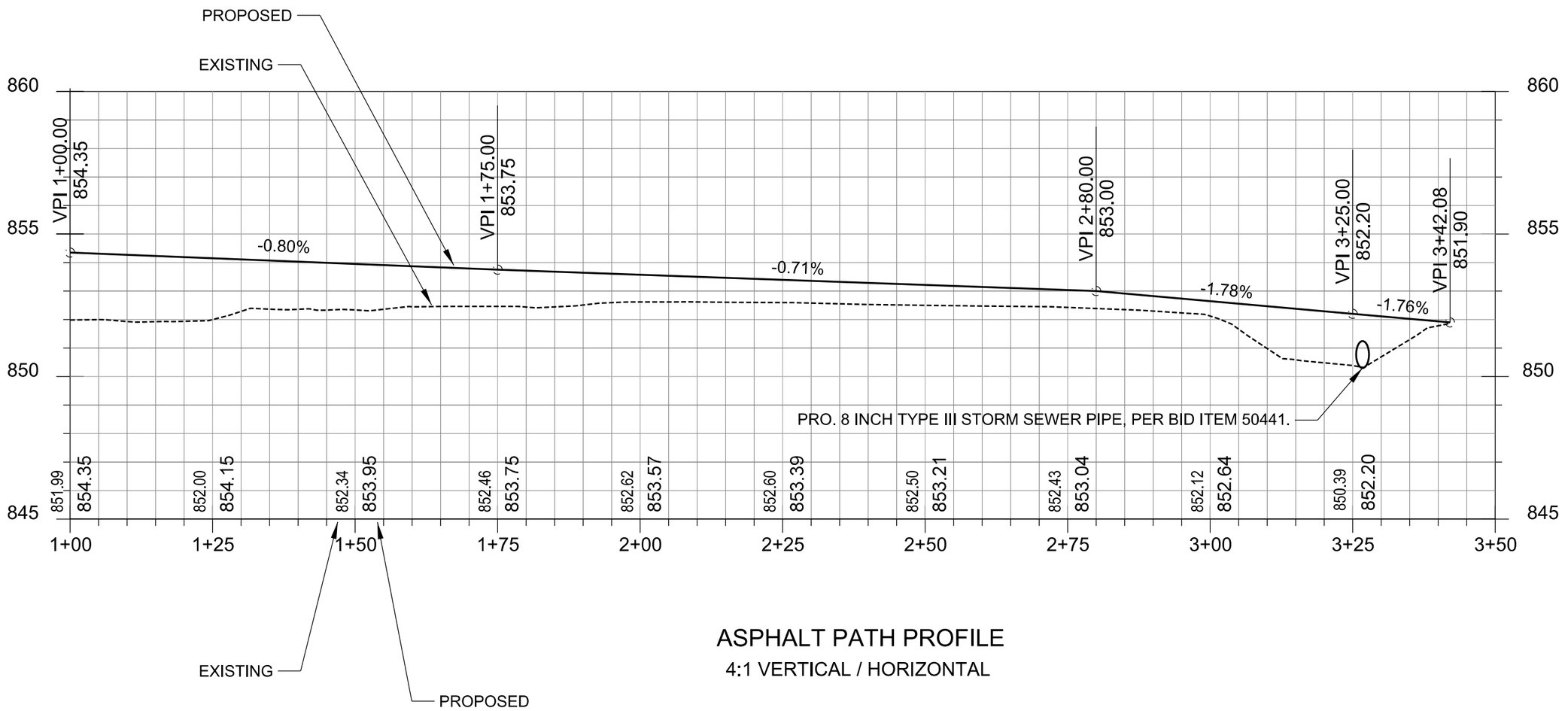

ASPHALT PATH PROFILE

4:1 VERTICAL / HORIZONTAL

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

ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
PATH PROFILE

SHEET NUMBER:
6.5

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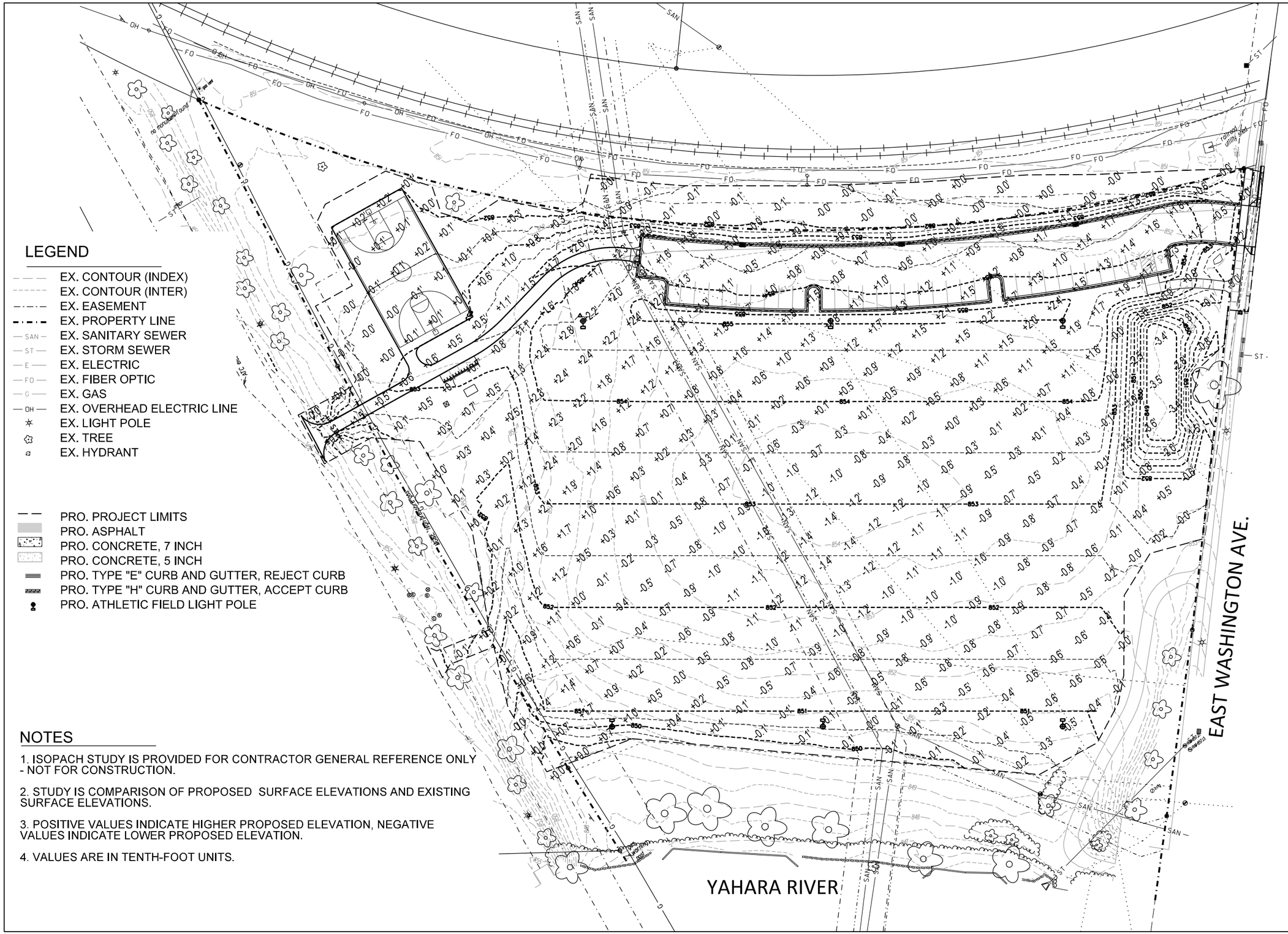

NOTES

1. ISOPACH STUDY IS PROVIDED FOR CONTRACTOR GENERAL REFERENCE ONLY - NOT FOR CONSTRUCTION.

2. STUDY IS COMPARISON OF PROPOSED SURFACE ELEVATIONS AND EXISTING SURFACE ELEVATIONS.

3. POSITIVE VALUES INDICATE HIGHER PROPOSED ELEVATION, NEGATIVE VALUES INDICATE LOWER PROPOSED ELEVATION.

4. VALUES ARE IN TENTH-FOOT UNITS.

City of Madison
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play MADISON PARKS

Graphical Scale
0 60 ft

N

PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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

ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
ISOPACH PLAN (REFERENCE ONLY)

SHEET NUMBER:
6.6

M:\Maps\parks\BurrJones\Parking Lot\BurrJones Park Improvements.dgn

Burr Jones Park - Earthwork Quantities

City of Madison, WI Public Works Contract

Date Revised: 5/16/2019

Notes:

Positive volumes are cuts, negative volumes are fills.

Not all parts of all surface models (Digital Terrain Models) are used for computations or intended for actual construction.

Existing: BurrJones Survey 2017-11-13 Comb

Proposed: Burr Jones Prop 1

	Sort	Grp	Material	Item	From Surface Model	To Surface Model	area (sq ft)	depth (ft)	Unfac-tored volume (cu ft)	Unfac-tored volume (cu yd)	Expan-sion Factor (%)	Factored (Uncom-pacted) Volume (cu yd)
		Grass to Grass	Topsoil Excavate	Strip 5in topsoil	n/a	n/a	134017	0.42	55751	2064.9	0%	2064.9
		Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-5in	Pro-6in	134017	varies	60736	2249.5	0%	2249.5
		Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-5in	Pro-6in	134017	varies	-51511	-1907.8	0%	-1907.8
		Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	134017	-0.50	-67009	-2481.8	0%	-2481.8
		Asphalt to Grass	Asphalt Excavate	Excavate 12in asphalt	n/a	n/a	22254	1.00	22254	824.2	0%	824.2
		Asphalt to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-6in	22254	varies	0	0.0	0%	0.0
		Asphalt to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-6in	22254	varies	-21291	-788.6	0%	-788.6
		Asphalt to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	22254	-0.50	-11127	-412.1	0%	-412.1
		Grass to Asphalt	Topsoil Excavate	Strip 5in topsoil	n/a	n/a	15899	0.42	6614	245.0	0%	245.0
		Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-5in	Pro-13.5in	15899	varies	1702	63.0	0%	63.0
		Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-5in	Pro-13.5in	15899	varies	-5860	-217.0	0%	-217.0
		Grass to Asphalt	Gravel (for Pavement) Place	Place 10in gravel base out to 6in from pavement edge	n/a	n/a	15899	-0.83	-13244	-490.5	0%	-490.5
		Grass to Asphalt	Asphalt Place	Place 3.5in asphalt	n/a	n/a	15899	-0.29	-4611	-170.8	0%	-170.8
		Grass to 5 inch Concrete	Topsoil Excavate	Strip 5in topsoil	n/a	n/a	12	0.42	5	0.2	0%	0.2
		Grass to 5 inch Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-5in	Pro-7in	12	varies	0	0.0	0%	0.0
		Grass to 5 inch Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-5in	Pro-7in	12	varies	-4	-0.2	0%	-0.2
		Grass to 5 inch Concrete	Gravel (for Pavement) Place	Place 2in gravel base out to 6in from pavement edge	n/a	n/a	12	-0.17	-2	-0.1	0%	-0.1
		Grass to 5 inch Concrete	Concrete Place	Place 5in concrete	n/a	n/a	12	-0.42	-5	-0.2	0%	-0.2
		Asphalt to Planting Bed	Asphalt Excavate	Excavate 12in asphalt	n/a	n/a	1936	1.00	1936	71.7	0%	71.7
		Asphalt to Planting Bed	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-18in	1936	varies	34	1.2	0%	1.2
		Asphalt to Planting Bed	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-18in	1936	varies	-1306	-48.4	0%	-48.4
		Asphalt to Planting Bed	Planting Bed Soil Place	Place 18in topsoil	n/a	n/a	1936	-1.50	-2904	-107.6	0%	-107.6
		Grass to Planting Bed	Topsoil Excavate	Strip 5in topsoil	n/a	n/a	1485	0.42	624	23.1	0%	23.1
		Grass to Planting Bed	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-5in	Pro-18in	1485	varies	346	12.8	0%	12.8
		Grass to Planting Bed	Subsoil Place	Fill subsoil to proposed subgrade	Ex-5in	Pro-18in	1485	varies	-980	-36.3	0%	-36.3
		Grass to Planting Bed	Planting Bed Soil Place	Place 18in topsoil	n/a	n/a	1485	-1.50	-2228	-82.5	0%	-82.5
		Asphalt to Asphalt	Asphalt Excavate	Excavate 12in asphalt	n/a	n/a	5830	1.00	5830	215.9	0%	215.9
		Asphalt to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-5in	Pro-13.5in	5830	varies	189	7.0	0%	7.0
		Asphalt to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-5in	Pro-13.5in	5830	varies	-3560	-131.9	0%	-131.9
		Asphalt to Asphalt	Gravel (for Pavement) Place	Place 10in gravel base out to 6in from pavement edge	n/a	n/a	5830	-0.83	-4856	-179.9	0%	-179.9
		Asphalt to Asphalt	Asphalt Place	Place 3.5in asphalt	n/a	n/a	5830	-0.29	-1691	-62.6	0%	-62.6
		Asphalt to Curb	Asphalt Excavate	Excavate 12in asphalt	n/a	n/a	967	1.00	967	35.8	0%	35.8
		Asphalt to Curb	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-17in	967	varies	5	0.2	0%	0.2
		Asphalt to Curb	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-17in	967	varies	-1089	-40.3	0%	-40.3
		Asphalt to Curb	Gravel (for Pavement) Place	Place 10in gravel base out to 6in from pavement edge	n/a	n/a	967	-0.83	-806	-29.8	0%	-29.8
		Asphalt to Curb	Concrete Place	Place 7in curb	n/a	n/a	967	-0.58	-564	-20.9	0%	-20.9
		Grass to Curb	Asphalt Excavate	Strip 5in topsoil	n/a	n/a	1217	0.42	511	18.9	0%	18.9
		Grass to Curb	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-5in	Pro-17in	1217	varies	39	1.5	0%	1.5
		Grass to Curb	Subsoil Place	Fill subsoil to proposed subgrade	Ex-5in	Pro-17in	1217	varies	-741	-27.4	0%	-27.4
		Grass to Curb	Gravel (for Pavement) Place	Place 10in gravel base out to 6in from pavement edge	n/a	n/a	1217	-0.83	-1014	-37.5	0%	-37.5
		Grass to Curb	Concrete Place	Place 7in curb	n/a	n/a	1217	-0.58	-710	-26.3	0%	-26.3
		Grass to 7 inch Concrete	Topsoil Excavate	Strip 5in topsoil	n/a	n/a	40	0.42	17	0.6	0%	0.6
		Grass to 7 inch Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-5in	Pro-13in	40	varies	0	0.0	0%	0.0
		Grass to 7 inch Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-5in	Pro-13in	40	varies	-66	-2.4	0%	-2.4
		Grass to 7 inch Concrete	Gravel (for Pavement) Place	Place 6in gravel base out to 6in from pavement edge	n/a	n/a	40	-0.50	-20	-0.7	0%	-0.7
		Grass to 7 inch Concrete	Concrete Place	Place 7in concrete	n/a	n/a	40	-0.58	-23	-0.9	0%	-0.9
		5 inch Concrete to 7 inch Concrete	Concrete Excavate	Excavate 7in concrete	n/a	n/a	352	0.58	204	7.6	0%	7.6
		5 inch Concrete to 7 inch Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-7in	Pro-13in	352	varies	199	7.4	0%	7.4
		5 inch Concrete to 7 inch Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-7in	Pro-13in	352	varies	0	0.0	0%	0.0
		5 inch Concrete to 7 inch Concrete	Gravel (for Pavement) Place	Place 6in gravel base out to 6in from pavement edge	n/a	n/a	352	-0.50	-176	-6.5	0%	-6.5
		5 inch Concrete to 7 inch Concrete	Concrete Place	Place 7in concrete	n/a	n/a	352	-0.58	-205	-7.6	0%	-7.6
		Asphalt to 5 inch Concrete	Asphalt Excavate	Excavate 12in asphalt	n/a	n/a	201	1.00	201	7.4	0%	7.4
		Asphalt to 5 inch Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-5in	Pro-7in	201	varies	0	0.0	0%	0.0
		Asphalt to 5 inch Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-5in	Pro-7in	201	varies	-224	-8.3	0%	-8.3
		Asphalt to 5 inch Concrete	Gravel (for Pavement) Place	Place 2in gravel base out to 6in from pavement edge	n/a	n/a	201	-0.17	-34	-1.2	0%	-1.2
		Asphalt to 5 inch Concrete	Concrete Place	Place 5in concrete	n/a	n/a	201	-0.42	-84	-3.1	0%	-3.1
		Bio-Rentention Engineer Soil	Subsoil Excavate	Excavate 24in of subsoil	n/a	n/a	1370	1.00	1370	50.7	0%	50.7
		Bio-Rentention Engineer Soil	Engineered Soil Place	Place 24in of Engineered Soil	n/a	n/a	-1370	1.00	-1370	-50.7	0%	-50.7

Burr Joned Park - Earthwork Quantities

City of Madison, WI Public Works Contract

Date Revised: 5/22/2019

Dervied from more detailed spreadsheet available from Parks Div.

Computation Summary

Positive volumes are cuts (material available), negative volumes are fills (material needed)

Row Labels	Sum of Unfac-tored volume (cu yd)
Asphalt Place	-233.4
Gravel (for Pavement) Place	-746.3
Subsoil Excavate	2393.3
Subsoil Place	-3208.6
Topsoil Excavate	2333.7
Topsoil Place	-2893.9
Asphalt Excavate	1174.0
Planting Bed Soil Place	-190.1
Concrete Place	-59.0
Concrete Excavate	7.6
Engineered Soil Place	-50.7
Grand Total	**-1473.3**

Bid Item	Quantity	Units	Relation to Table Above
		CY	
20101 Excavation Cut	5901	CY	=Subsoil Excavate + Topsoil Excavate + Asphalt Excavate
20201 Fill	815	CY	= Subsoil Excavate - Subsoil Place
20221 Topsoil	17329	SY	= Topsoil Place/.167 (depth)
40102 Crushed Aggregate Base Course Gradation No. 2 & 3	1492.7	TONS	= (Gravel Place) * 2.0 ton/cubic yard
40202 HMA PAVEMENT 4 LT 58-28 S	504.1	TONS	= Asphalt Place * 2.16 ton/cubic yard

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

Graphical Scale
0 60 ft
N

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
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
GRADING COMPUTATIONS

SHEET NUMBER:
6.7

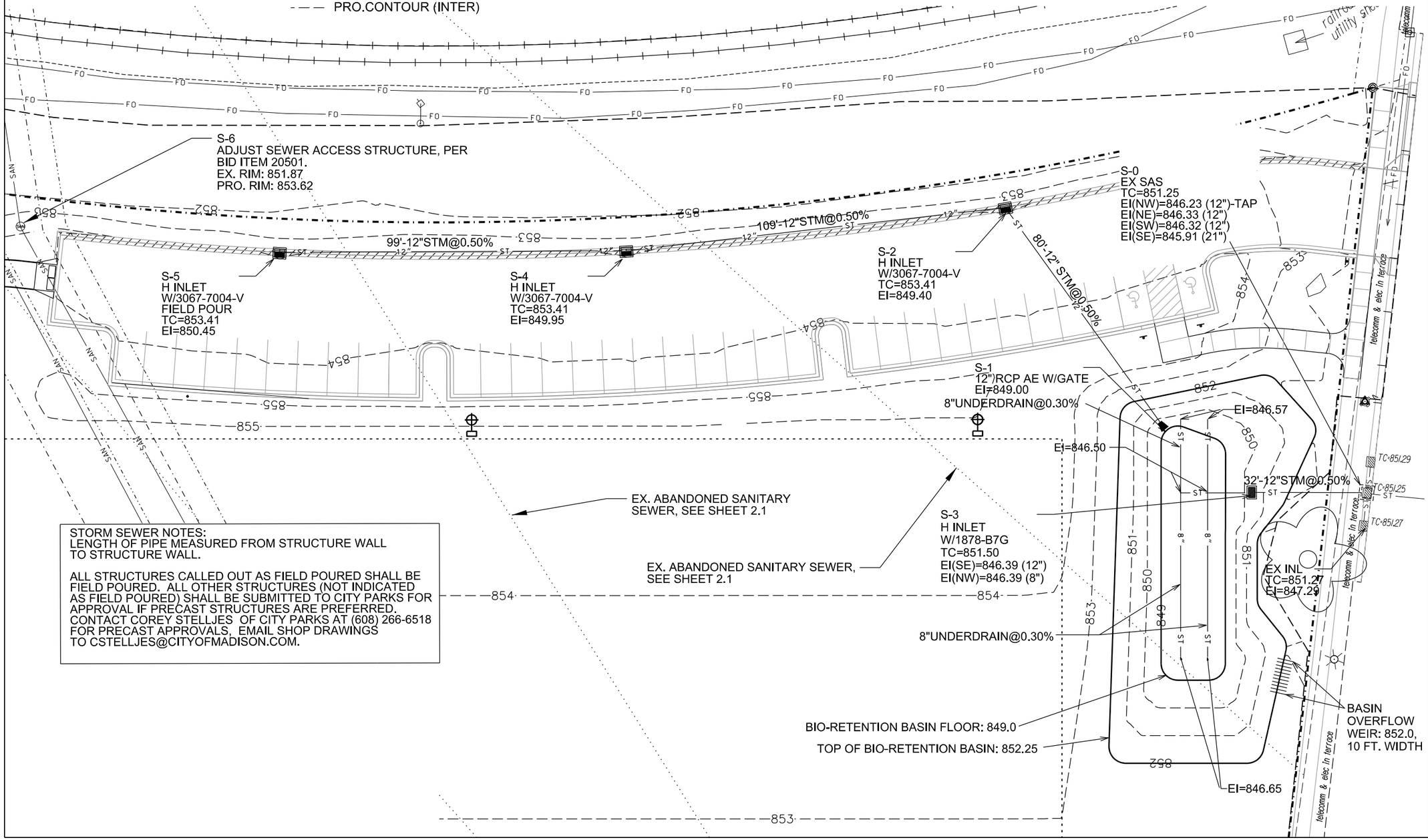
LEGEND

- EX. EASEMENT
- EX. PROPERTY LINE
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. ELECTRIC
- EX. FIBER OPTIC
- EX. GAS
- EX. OVERHEAD ELECTRIC LINE
- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT
- PRO.PROJECT LIMITS
- PRO. CONTOUR (INDEX)
- PRO.CONTOUR (INTER)
- PRO. TRAFFIC OR PARKING SIGN
- PRO. ACCESSIBLE STALL PAVEMENT MARKING
- PRO. TYPE "E" CURB AND GUTTER, REJECT CURB
- PRO. TYPE "H" CURB AND GUTTER, ACCEPT CURB
- PRO. ATHLETIC FIELD LIGHT POLE

NOTES

1. CONTRACTOR RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

2. CONTRACTOR SHALL NOT STORE ANY MATERIALS WITHIN MG&E AND ATC EASEMENTS. CONTRACTOR'S SURVEYOR SHALL LOCATE AND STAKE EASEMENTS PRIOR TO CONSTRUCTION.



City of Madison
Department of Public Works
PARKS DIVISION
City-County Building, Suite 104
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Madison, WI 53703

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Graphical Scale
0 30 ft
N

PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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

ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
UTILITY PLAN - STORM SEWER

SHEET NUMBER:
7.0

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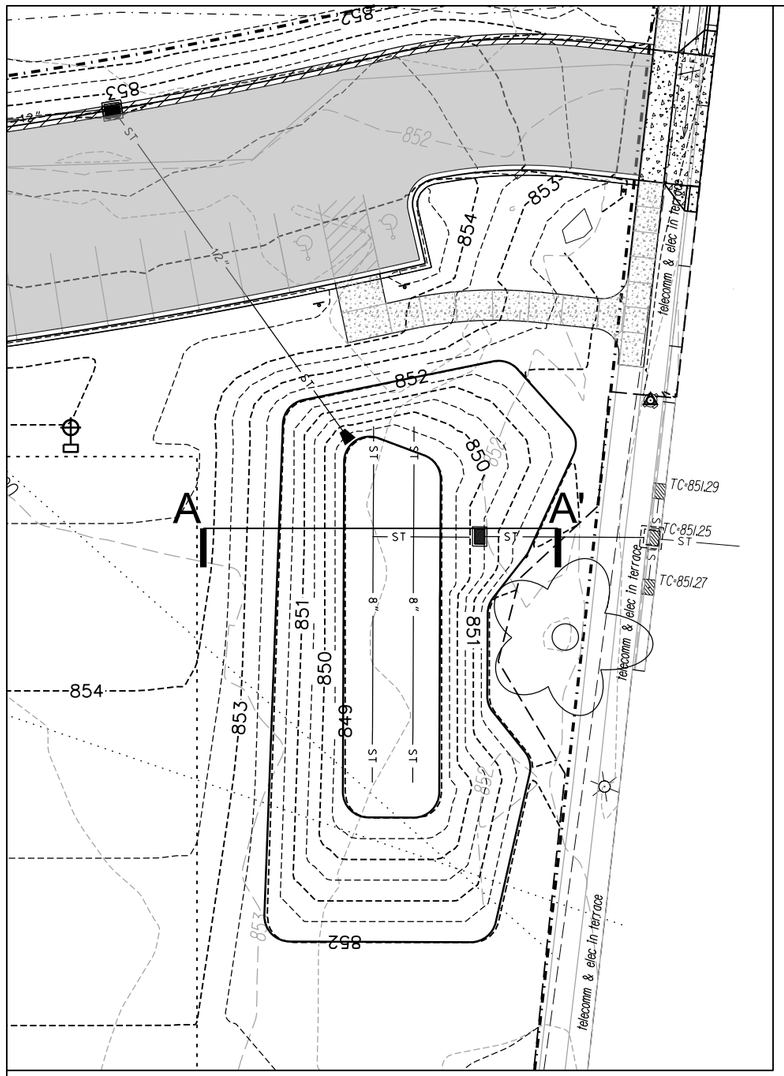
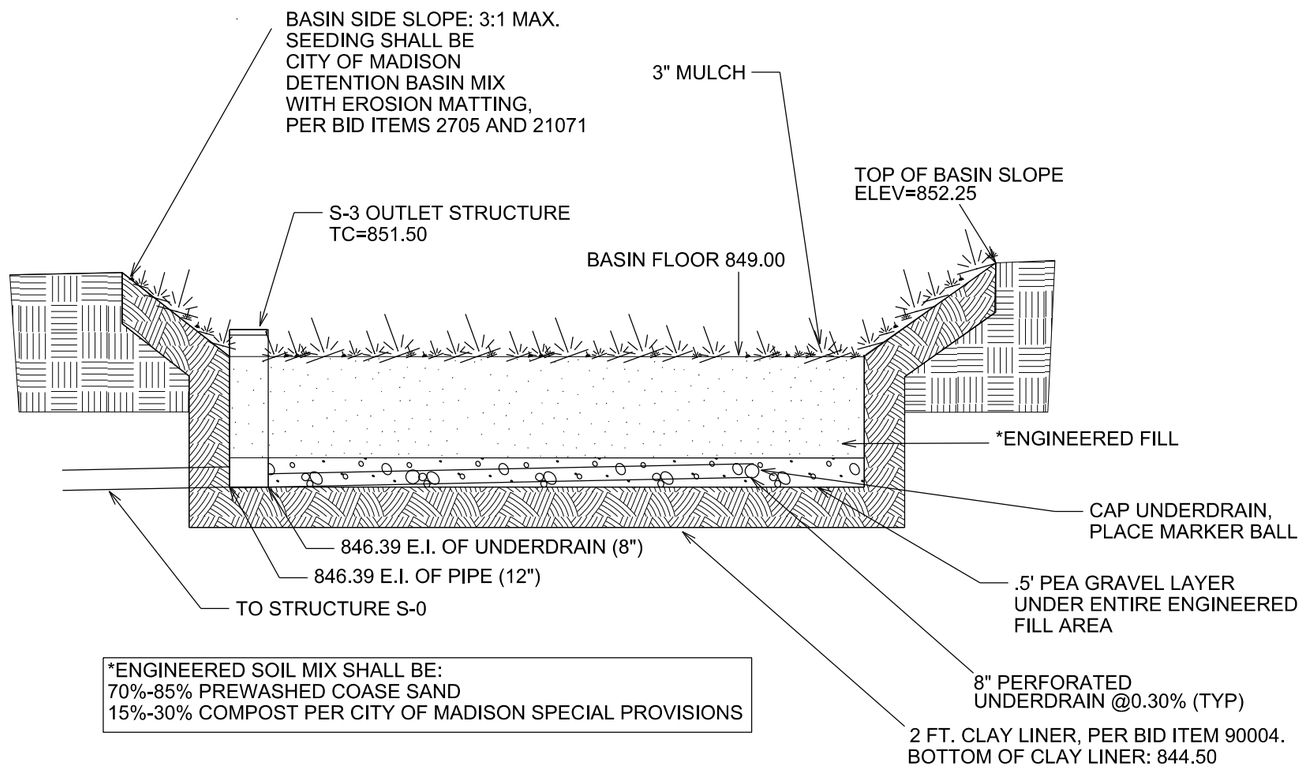


SITE PLAN - NTS



*ENGINEERED SOIL MIX SHALL BE:
70%-85% PREWASHED COASE SAND
15%-30% COMPOST PER CITY OF MADISON SPECIAL PROVISIONS

BIO-RETENTION BASIN CROSS-SECTION A'-A
(NOT TO SCALE)

BIO RETENTION BASIN PER S.D.D. 2.09

TOP OF ENGINEERED FILL = 849.00
TOP EXCAVATION= 852.25
OVERFLOW WEIR= 852.00
BOTTOM EXCAVATION=846.50
TOP OF STONE=847.00
APPROX GROUNDWATER ELEV=847.90

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

ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
BIO-RETENTION BASIN SECTION

SHEET NUMBER:
7.1

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PRO. EROSION MATTING, CLASS II, TYPE A- ORGANIC, PER BID ITEM 21071. FULL LENGTH OF SWALE, MIN. 8 FT. WIDTH. SEEDING PER BID ITEM 20701.

WORK IN RAILROAD ROW. FLAGGING AND INSURANCE PER BID ITEMS 10712 AND 10790.

PRO. PLANTING BED PREPARATION, PER BID ITEM 90005 (TYP.).

PRO. DETENTION BASIN SEEDING, PER BID ITEM 20705.

PRO. EROSION MATTING, CLASS II, TYPE A -ORGANIC, PER BID ITEM 21071 AND DETENTION BASIN SEEDING PER BID ITEM 20705.

EAST WASHINGTON AVE.

YAHARA RIVER

LEGEND

- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
- EX. EASEMENT
- EX. PROPERTY LINE
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. ELECTRIC
- EX. FIBER OPTIC
- EX. GAS
- EX. OVERHEAD ELECTRIC LINE
- EX. LIGHT POLE
- EX. TREE
- EX. HYDRANT
- PRO. PROJECT LIMITS
- PRO. PLANTING BED PREPARATION, PER BID ITEM 90005.
- PRO. TOPSOIL, SEEDING AND EROSION MATTING, CLASS I, URBAN TYPE A. PER BID ITEMS 20221, 20701 AND 21061.
- PRO. TOPSOIL, SEEDING AND EROSION MATTING, CLASS II, TYPE A - ORGANIC. PER BID ITEMS 20221, 20701, 20705 AND 21071.
- PRO. ASPHALT
- PRO. CONCRETE, 7 INCH
- PRO. CONCRETE, 5 INCH
- PRO. ATHLETIC FIELD LIGHT POLE

EXTENTS OF PRO. ATHLETIC FIELD AREA, RESTORATION SHALL BE COMPLETED BY 04/20/2020 PER SECTION 109.7.

NOTES

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City of Madison

Department of Public Works

PARKS DIVISION

City-County Building, Suite 104
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Madison, WI 53703

play MADISON PARKS

Graphical Scale

0 60 ft

N

PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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

ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:

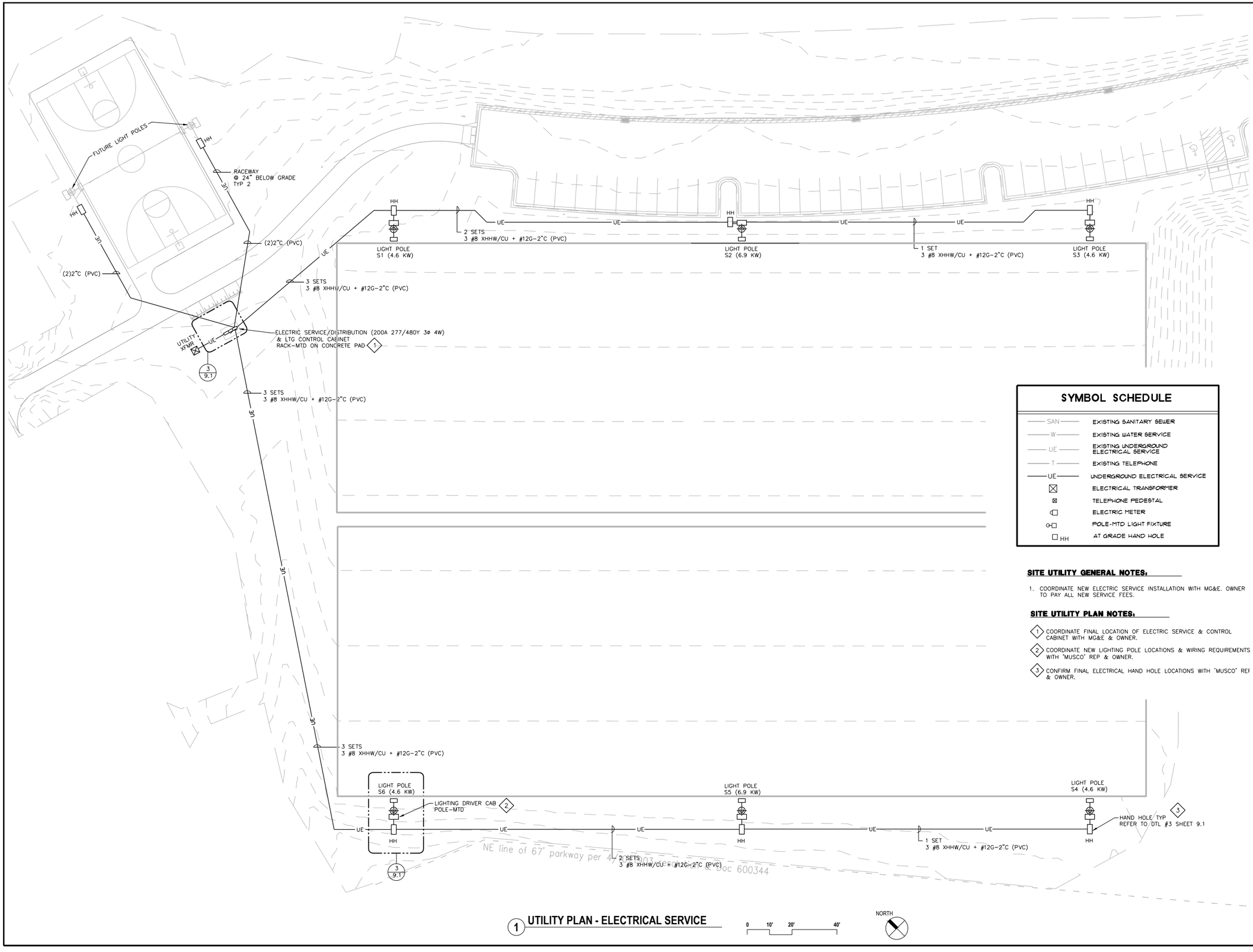
8359

SHEET TITLE:

SITE RESTORATION PLAN

SHEET NUMBER:

8.0



SYMBOL SCHEDULE

SAN	EXISTING SANITARY SEWER
W	EXISTING WATER SERVICE
UE	EXISTING UNDERGROUND ELECTRICAL SERVICE
T	EXISTING TELEPHONE
UE	UNDERGROUND ELECTRICAL SERVICE
⊠	ELECTRICAL TRANSFORMER
⊠	TELEPHONE PEDESTAL
	ELECTRIC METER
	POLE-MTD LIGHT FIXTURE
HH	AT GRADE HAND HOLE

SITE UTILITY GENERAL NOTES:

1. COORDINATE NEW ELECTRIC SERVICE INSTALLATION WITH MG&E. OWNER TO PAY ALL NEW SERVICE FEES.

SITE UTILITY PLAN NOTES:

1. COORDINATE FINAL LOCATION OF ELECTRIC SERVICE & CONTROL CABINET WITH MG&E & OWNER.
2. COORDINATE NEW LIGHTING POLE LOCATIONS & WIRING REQUIREMENTS WITH 'MUSCO' REP & OWNER.
3. CONFIRM FINAL ELECTRICAL HAND HOLE LOCATIONS WITH 'MUSCO' REP & OWNER.

1 UTILITY PLAN - ELECTRICAL SERVICE

0 10' 20' 40'

NORTH

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

HEIN Engineering Group
17 Applegate Court, Suite 200
Madison, WI 53713
Phone: (608) 288-9260
email: hein@heinengrp.com

Graphical Scale
0 40 ft
N

PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

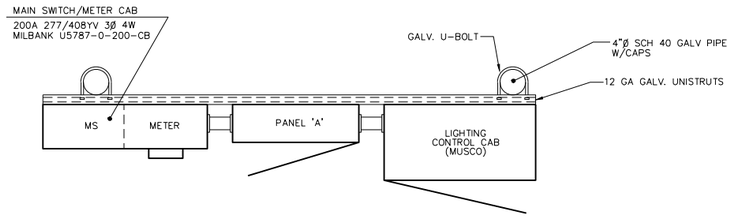
BURR JONES PARK
1820 E. WASHINGTON AVE.
MADISON, WI 53704

ITEM	DATE
BID SET	05-30-2019

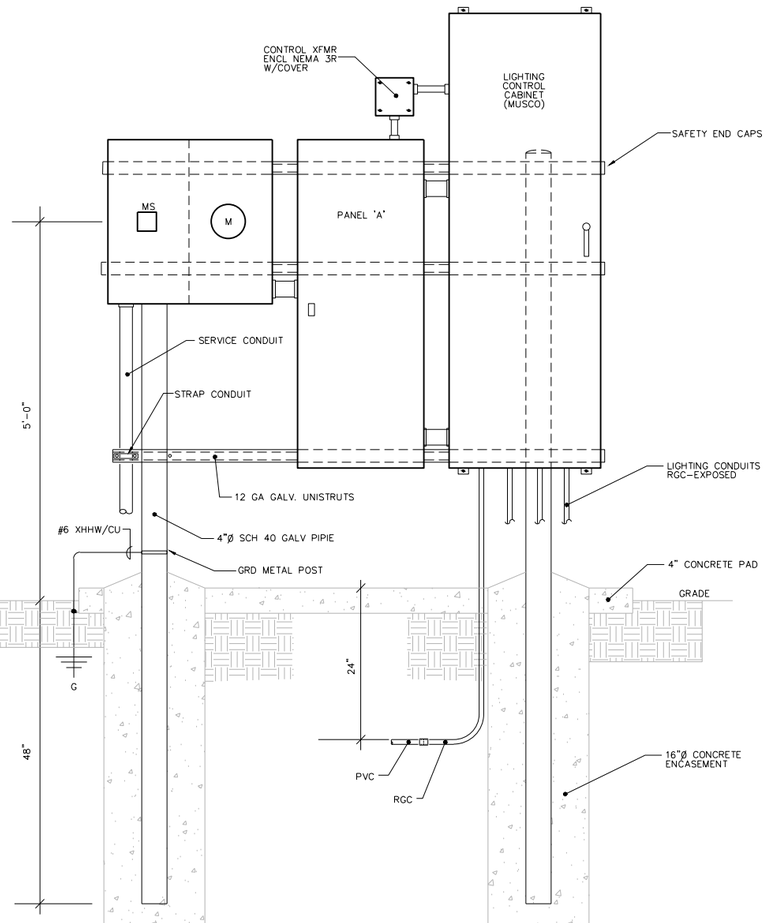
PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
UTILITY PLAN - ELECTRICAL SERVICE

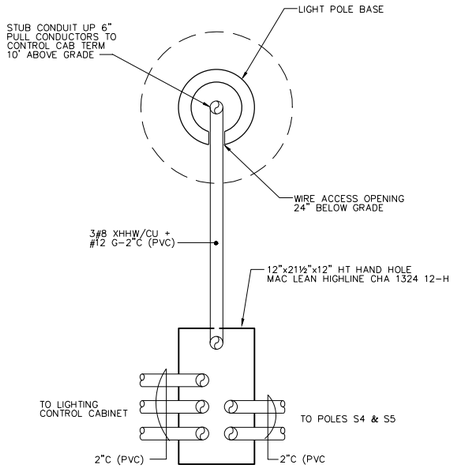
SHEET NUMBER:
9.0



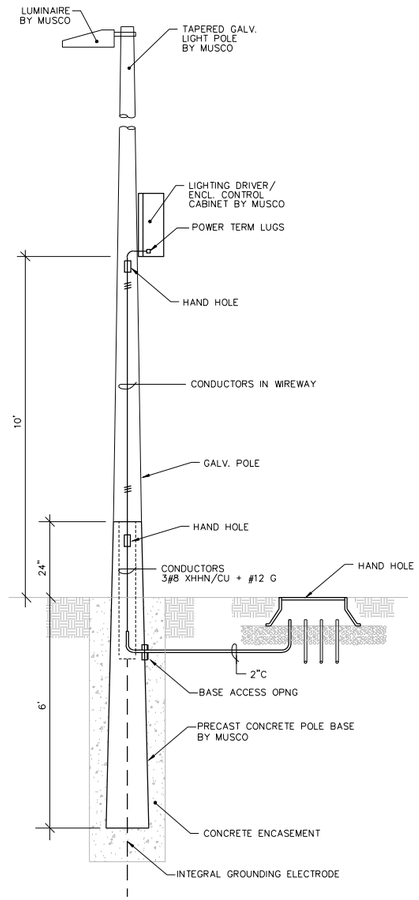
1 ELECTRIC SERVICE/DISTRIBUTION/CONTROL CAB PLAN
N.T.S.



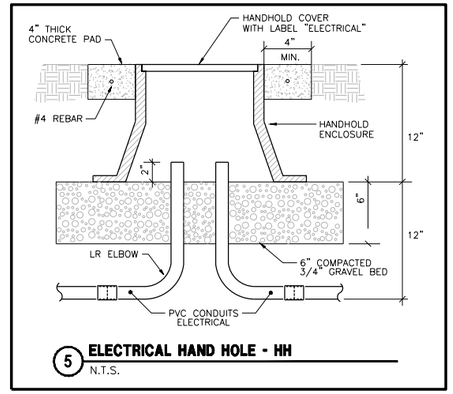
2 ELECTRIC SERVICE/DISTRIBUTION/CONTROL CAB ELEVATION
N.T.S.



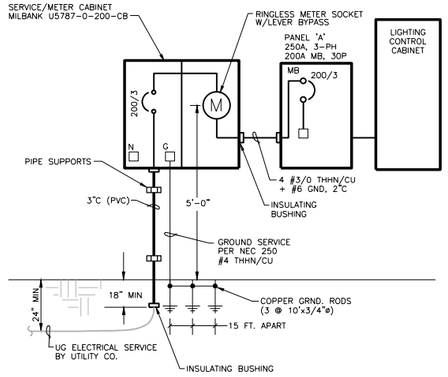
3 TYPICAL HAND HOLE - LIGHT POLE DETAIL
N.T.S.



4 LIGHT POLE WIRING DETAIL
N.T.S.



5 ELECTRICAL HAND HOLE - HH
N.T.S.



6 ELECTRICAL SERVICE RISER - MG&E
200 AMP 3-PHASE/4-WIRE 277/480Y VOLT

PANEL 'A' — AIC=35K, NEMA 3R

AMPS MAIN 250 MLO — VOLTS 277/480 — PHASE 3 — MOUNTING LOCATION SURFACE EXTERIOR

BRKR P	DESCRIPTION	CIRCUIT WATT	CIRCUIT NO.	PHASELOADS A	PHASELOADS B	PHASELOADS C	CIRCUIT NO.	CIRCUIT WATT	DESCRIPTION	BRKR A	BRKR P
3	LT POLE S1	1540	1	3080			2	1540	LT POLE S4	20	3
–	LT POLE S1	1540	3		3080		4	1540	LT POLE S4	–	–
–	LT POLE S1	1540	5			3080	6	1540	LT POLE S4	–	–
3	LT POLE S2	2300	7	4600			8	2300	LT POLE S5	20	3
–	LT POLE S2	2300	9		4600		10	2300	LT POLE S5	–	–
–	LT POLE S2	2300	11			4600	12	2300	LT POLE S5	–	–
3	LT POLE S3	1540	13	3080			14	1540	LT POLE S6	20	3
–	LT POLE S3	1540	15		3080		16	1540	LT POLE S6	–	–
–	LT POLE S3	1540	17			3080	18	1540	LT POLE S6	–	–
1	CONTROL XFMR	300	19	300			20	–	FUTURE POLE	20	3
			21		–		22	–	FUTURE POLE	–	–
			23			–	24	–	FUTURE POLE	–	–
			25	–			26	–	FUTURE POLE	20	3
			27		–		28	–	FUTURE POLE	–	–
			29			–	30	–	FUTURE POLE	–	–
				11060	10760	10760					

ESTIMATED DEMAND LOAD: 32,580 WATTS / 39.3 AMPS

TOTAL CONNECTED LOADS: 32,580 WATTS / 39.3 AMPS

City of Madison
Department of Public Works
PARKS DIVISION
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HEIN Engineering Group
17 Applegate Court, Suite 200
Madison, WI 53713
Phone: (608) 288-9260
email: hein@heinengrp.com

PROJECT:
BURR JONES PARK SITE IMPROVEMENTS

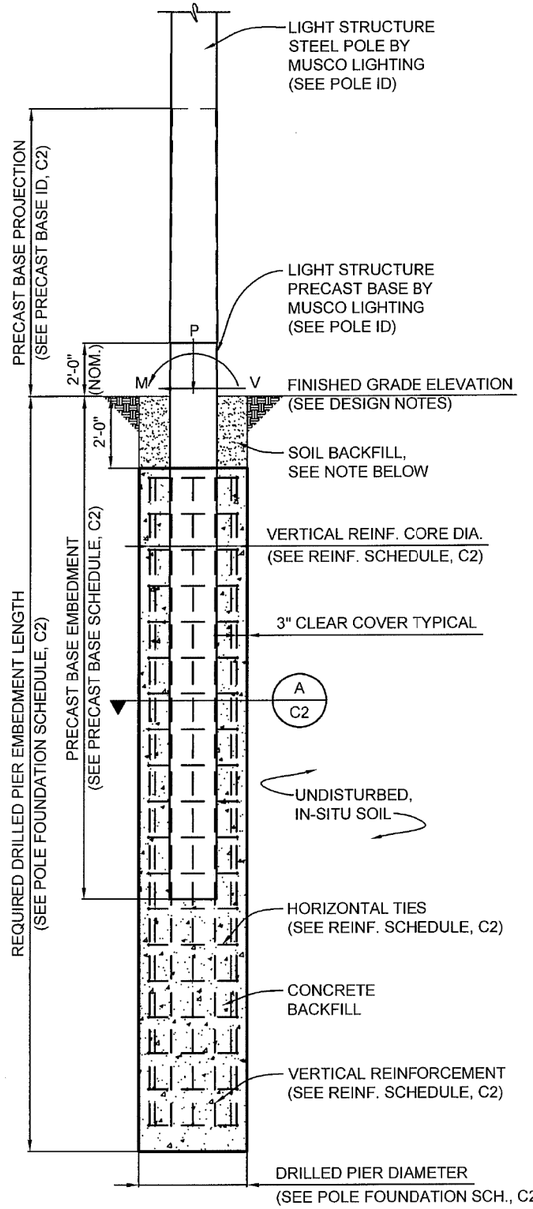
BURR JONES PARK
1820 E. WASHINGTON AVE.
MADISON, WI 53704

ITEM	DATE
BID SET	05-30-2019

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
UTILITY PLAN - ELECTRICAL SERVICE DETAILS

SHEET NUMBER:
9.1



POLE FOUNDATION ELEVATION

SCALE: NOT TO SCALE

SOIL BACKFILL NOTE:
THE TOP TWO FEET OF ANNULUS SHALL BE BACKFILLED WITH SOIL, WITH A CLASSIFICATION OF CLASS 5 (TABLE 1806.2) OR BETTER. COMPACTION, 95% FOR COHESIVE SOIL AND 98% FOR A COHESIONLESS SOIL BASED UPON STANDARD PROCTOR TESTING (ASTM D698).

POLE IDENTIFICATION

POLE DESIGNATION	POLE TYPE	PRECAST BASE TYPE	FIXTURE CONFIGURATION (FIX. PER XARM)	FIXTURE AND ACCESSORIES EPA (FT^2)
S1, S3, S4, S6	LSS70A	3B	4 (4)	12.1
S2, S5	LSS70C	4B	6 (6)	18.6

CONCRETE/REINFORCEMENT NOTES

CONCRETE SHALL COMPLY WITH THE FOLLOWING ASTM STANDARDS:
MIXTURE WITH ASTM C-94, PORTLAND CEMENT WITH ASTM C-150 TYPE 1-A, AGGREGATES (0.75" MAX) WITH ASTM C-33 AND BE IN CONFORMANCE WITH ACI 318.

CONCRETE SHALL BE AIR-ENTRAINED (COMPLY WITH ASTM C-260), HAVE A MAXIMUM WATER -CEMENT RATIO, w/cm = 0.45 AND HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,000 PSI.

DESIGN SLUMP LIMITS ARE 4" MINIMUM AND 6" MAXIMUM. THE JOB SITE SLUMP MAY BE INCREASED BY THE USE OF A WATER REDUCING AGENT MEETING ASTM C494-92.

CONCRETE REINFORCEMENT SHALL COMPLY WITH ASTM A615 GRADE 60 AND BE IN CONFORMANCE WITH ACI 315 & 318.

CONCRETE DRILLED PIERS MUST ATTAIN 3,000 PSI STRENGTH PRIOR TO POLE INSTALLATION AND FIXTURE MOUNTING.

THE DEPTH EQUAL TO THE PRECAST BASE EMBEDMENT SHALL BE THOROUGHLY CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACEMENT.

INSTALLATION NOTE:
CONCRETE TO BE PLACED IN A CONTINUOUS POUR OR A COLD JOINT WILL BE ACCEPTABLE AT THE BOTTOM OF THE PRECAST BASE. TWO POUR: WITH THE REINFORCEMENT IN PLACE, THE CONCRETE BELOW THE BOTTOM OF THE PRECAST BASE MAY BE POURED AND ALLOWED TO SET UP LONG ENOUGH TO SUPPORT WEIGHT OF PRECAST BASE. THEN THE PRECAST BASE MAY BE SET IN PLACE AND THE REST OF THE CONCRETE CONCRETE BACKFILL POURED. DEPENDING ON THE DEPTH TO GROUND WATER AT THE TIME OF INSTALLATION, THE TWO POUR METHOD UTILIZING A COLD JOINT MAY NOT BE FEASIBLE.

DESIGN NOTES

DESIGN PARAMETERS:
WIND: V_{ult} = 115 MPH, V_{asd} = 89 MPH (EXPOSURE C, RISK CATEGORY II) PER INTERNATIONAL BUILDING CODE, 2015 EDITION (ASCE 7-10). DESIGN WIND PARAMETERS ARE AS NOTED, ACTUAL EXPOSURE MUST BE VERIFIED FOR THE SITE BY THE PROPER GOVERNING OFFICIAL.

GEOTECHNICAL PARAMETERS:
ALLOWABLE END BEARING SOIL PRESSURE: 4,000 PSF
ALLOWABLE LATERAL SOIL BEARING PRESSURE:
0 PSF/FT (GRADE TO -2'-0"), AS PROVIDED IN SOIL REPORT, TABLE 1 (BELOW -2'-0") IN ACCORDANCE WITH THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE, CHAPTER 18.

DESIGN SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL PARAMETERS MUST BE VERIFIED ON SITE. REFERENCE GEOTECHNICAL EXPLORATION REPORT, PROJECT NO. C18051-13, PREPARED BY CGC, INC.; MADISON, WI.

A GEOTECHNICAL ENGINEER OR REPRESENTATIVE OF IS RECOMMENDED (NOT REQUIRED) TO BE AVAILABLE AT THE TIME OF THE FOUNDATION INSTALLATION TO VERIFY THE SOIL DESIGN PARAMETERS AND TO PROVIDE ASSISTANCE IF ANY PROBLEMS ARISE IN FOUNDATION INSTALLATION.

ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS WILL NEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST. IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS WILL BE ANALYZED PER RECOMMENDATIONS DIRECTED BY A LICENSED ENGINEER.

ALL EXCAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO FOUNDATION INSTALLATION AND CONCRETE BACKFILL PLACEMENT. TEMPORARY CASINGS OR DRILLERS SLURRY MAY BE USED TO STABILIZE THE EXCAVATION DURING INSTALLATION. CASINGS MUST BE REMOVED DURING CONCRETE BACKFILL PLACEMENT. CONCRETE BACKFILL MUST BE PLACED WITH A TREMIE WHEN SLURRY OR WATER IS PRESENT WITHIN THE EXCAVATION OR WHEN THE FREE DROP EXCEEDS 6'-0".

CONTRACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT AND BORINGS, AND CONTACT THE GEOTECHNICAL FIRM (IF NECESSARY) TO UNDERSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER PUMPING AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL.

GENERAL NOTES:
FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ANY RETAINING WALLS OR WITHIN / NEAR ANY SLOPES STEEPER THAN 3H : 1V. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO LIGHTING.

KYLE G. LACINA - NO. 42333

City of Madison
Department of Public Works
PARKS DIVISION
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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
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
ATHLETIC FIELD LIGHTING - POLE FOOTINGS

SHEET NUMBER:
10.0

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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
6			***28***		***32.20 kW***	

Circuit Summary

Circuit	Description	Load	Fixture Qty
A	Soccer	32.2 kW	28

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

Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Blanket Grid	Horizontal	8.80	0	46	119023500.00		A	28
Property Line	Horizontal	0.15	0	0.44	9447.37		A	28
Soccer	Horizontal Illuminance	33.5	24	42	1.77	1.40	A	28
Ultimate Field 1	Horizontal Illuminance	33.5	25	42	1.70	1.34	A	28
Ultimate Field 2	Horizontal Illuminance	33.4	22	41	1.85	1.52	A	28

From Hometown to Professional

We Make It Happen.

ENGINEERED DESIGN By: Connor Ramstead • File #191142CR1 • 07-Jan-19

PROJECT SUMMARY

City of Madison
Department of Public Works
PARKS DIVISION

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play MADISON PARKS

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PUBLIC WORKS PROJECT #:
8359

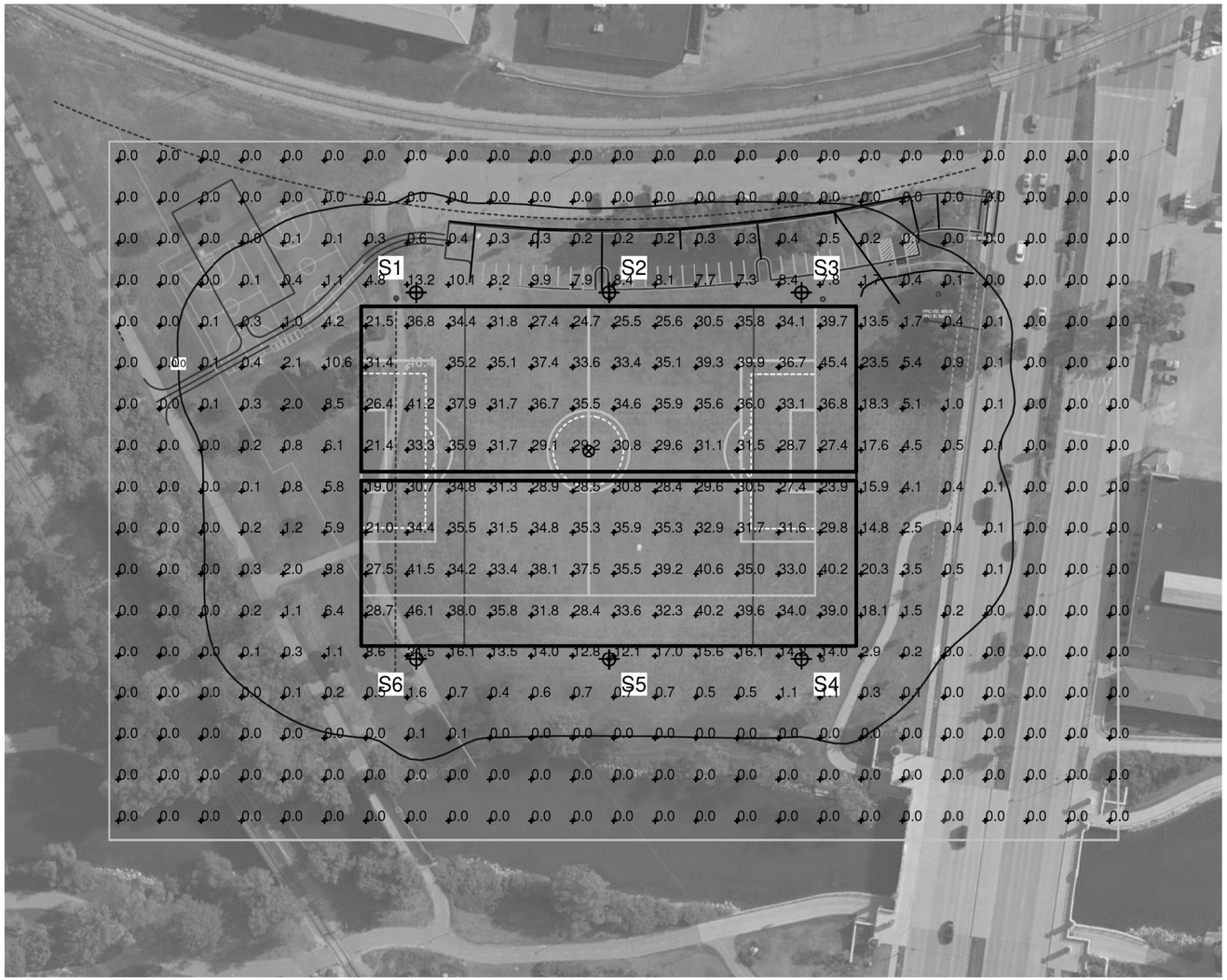
SHEET TITLE:
ATHLETIC FIELD LIGHTING - POLE SCHEDULE

SHEET NUMBER:
10.1

M:\Maps\parks\BurrJones\Parking Lot\BurrJones Park Improvements.dgn

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



SCALE IN FEET 1 : 120

0' 120' 240'

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

ENGINEERED DESIGN By: Connor Ramstead • File #191142CR1 • 07-Jan-19

Burr Jones Park

Madison, WI

GRID SUMMARY

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

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Scan Average:	**8.80**
Maximum:	46
Minimum:	0
No. of Points:	425

LUMINAIRE INFORMATION

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

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>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.

We Make It Happen.

ILLUMINATION SUMMARY

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

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PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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

ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
ATHLETIC FIELD LIGHTING - PHOTOMETRICS

SHEET NUMBER:
10.2

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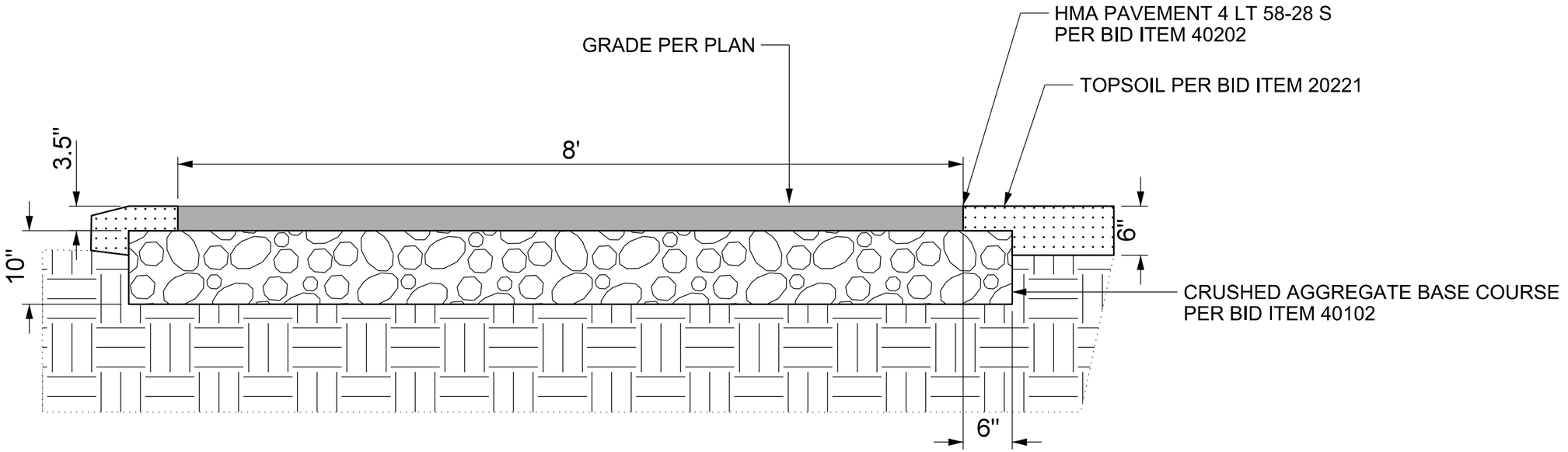

City of Madison
Department of Public Works
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PROJECT:

BURR JONES PARK SITE IMPROVEMENTS

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ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
SITE DETAILS - PATH SECTION

SHEET NUMBER:
11.0

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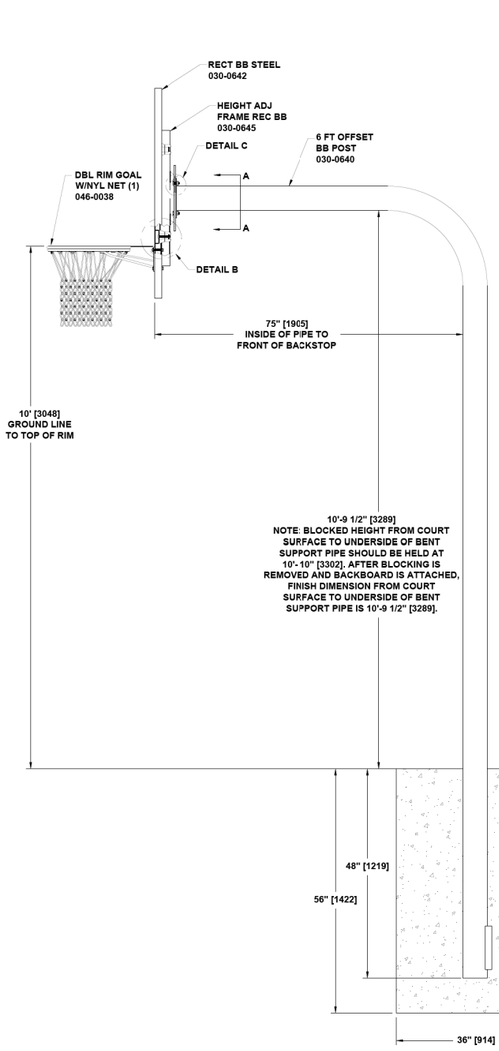
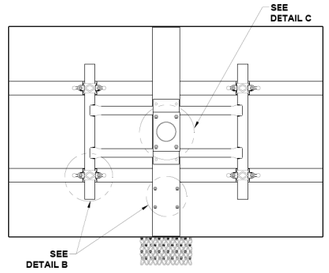
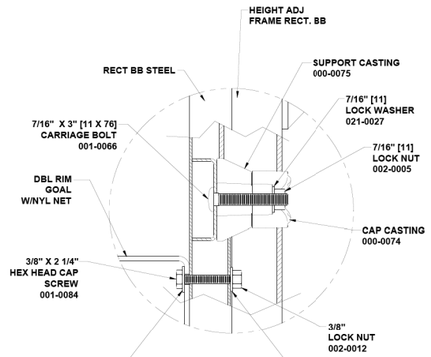
Burke

4/22/2011

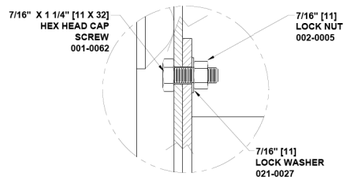




SECTION A-A



DETAIL B
6X SCALE



DETAIL C
8X SCALE

PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0074	CAP CASTING	4
000-0075	SUPPORT CASTING	4
030-0640	6 FT OFFSET BACKBOARD POST	1
030-0642	RECT BACKBOARD STEEL	1
030-0645	HEIGHT ADJ FRAME RECTANGLE BACKBOARD	1
036-0164	HARDWARE PACKAGE	1
046-0038	DOUBLE RIM GOAL W/NYLON NET (1)	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CAP CASTING; SUPPORT CASTING: Hot-dipped galvanized, grade 32510, malleable iron.

6 FT OFFSET BACKBOARD POST: One piece all welded construction consisting of 5 9/16" OD x sch. 40 galvanized steel pipe, 1/4" HR steel plate, and 1 1/2" x 1 1/2" x 1/4" HR steel angle.

RECT BACKBOARD STEEL: One piece all welded construction consisting of 4' x 6' x 12 GA steel sheet with a 1 1/2" reinforced perimeter and 12 GA channel braces. Primed and finished with baked on powder coat on front side. Coated with sound-deadening rust inhibitor on back side.

HEIGHT ADJ FRAME RECTANGLE BACKBOARD: One piece all welded construction consisting of 2 3/8" OD x 10 GA & 1.900" OD x 11 GA galvanized steel tubing, 3/8" dia. HR steel round, and 1/4" HR steel plate. Finished in a baked on powder coat.

HARDWARE PACKAGE: Zinc plated steel carriage bolts, hex head capscrews, lock nuts and lock washers.

DOUBLE RIM GOAL W/NYLON NET (1): 18" diameter regulation size rim, 5/8" round steel, no-tie clips and nylon net. Rim is finished with an orange baked on powder coat.

SHIPPING WEIGHT: 526 LBS.

INSTALLATION INSTRUCTIONS

1. Dig footings as shown. NOTE: Hole size may vary depending on local soil and weather conditions.
2. Place bent support pipe into footing to ground line marked on pipe. Block and plumb square to court. **NOTE:** Blocked height from court surface to underside of bent support pipe should be held at 10'-10 1/2". See drawing. Adjust if necessary.
3. Pour concrete and let set for 2 to 3 days.

AFTER CONCRETE HAS SET:

4. Remove blocking and fasten attachment frame to backboard. Insert 7/16" x 3" C.B. through backboard and castings. Position attachment frame on support castings and attach cap castings. Fasten using 7/16" lock washers and 7/16" nuts.
   When all castings are in position, tap castings into alignment and tighten all hardware. See DETAIL B.
5. Raise backboard to position. Fasten bent support pipe to center hole position on attachment frame using 7/16" x 1 1/4" H.H.B., 7/16" lock washers and 7/16" lock nuts. See SECTION A-A and DETAIL C.
6. Fasten goal to backboard using 3/8" x 2 1/4" hex head cap screws, 3/8" lock nuts 3/8" flat washers and 3/8" lock washers. See SECTION A-A and DETAIL B. Hang net.
7. Tighten all hardware.

NOTE: BLOCKED HEIGHT FROM COURT SURFACE TO UNDERSIDE OF BENT SUPPORT PIPE SHOULD BE HELD AT 10'-10". SEE DRAWING. AFTER BLOCKING IS REMOVED AND BACKBOARD IS ATTACHED, FINISH DIMENSION FROM COURT SURFACE TO UNDERSIDE OF BENT SUPPORT PIPE IS 10'-9 1/2".

590-0039.doc Description: RECT BB DBL RIM NYL 6'(1)
REV: 04 PCN: 11-0092 4/22/2011

590-0039
RECT BB DBL RIM NYL 6' (1)

BCI Burke Company, LLC P.O. Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 1-800-356-2070

City of Madison
Department of Public Works
PARKS DIVISION
City-County Building, Suite 104
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PROJECT:

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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 details and dimensions of their trade and be responsible for the same.

ITEM	DATE
Drawing by: MS	*05-23-19*
Advertised to bid:	*05-30-19*

PUBLIC WORKS PROJECT #:
8359

SHEET TITLE:
SITE DETAILS BASKETBALL GOAL

SHEET NUMBER:
11.1

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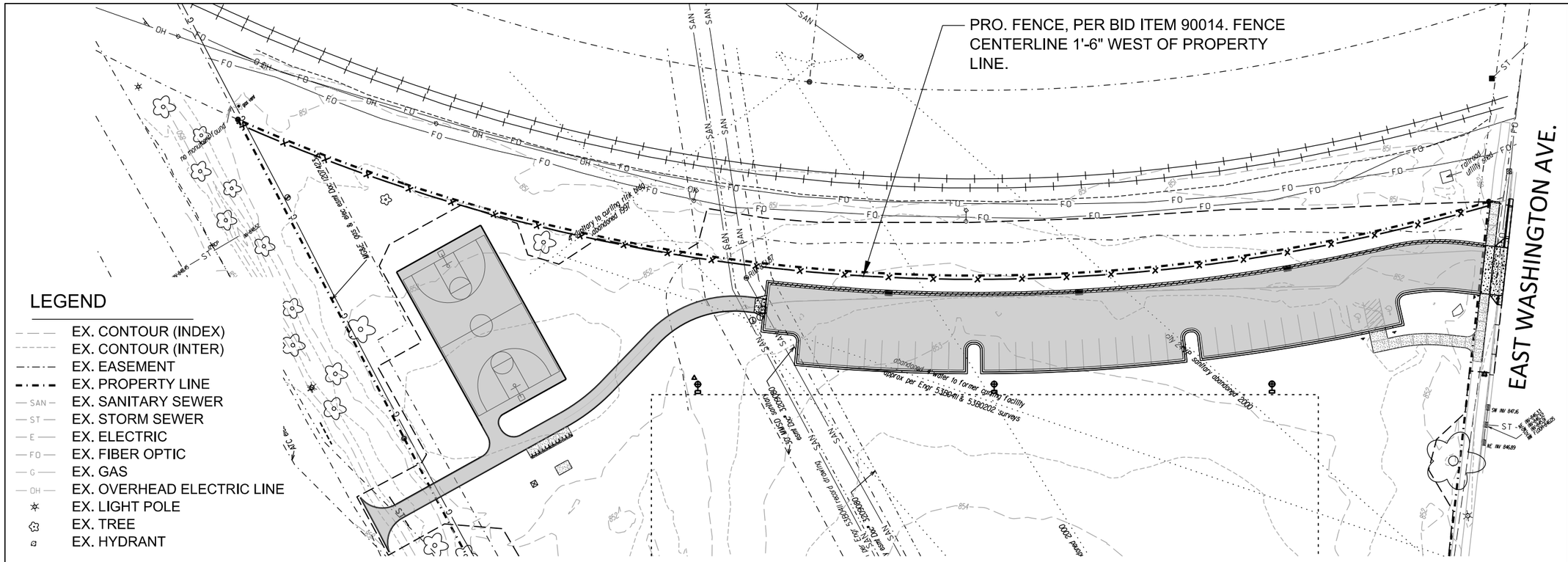
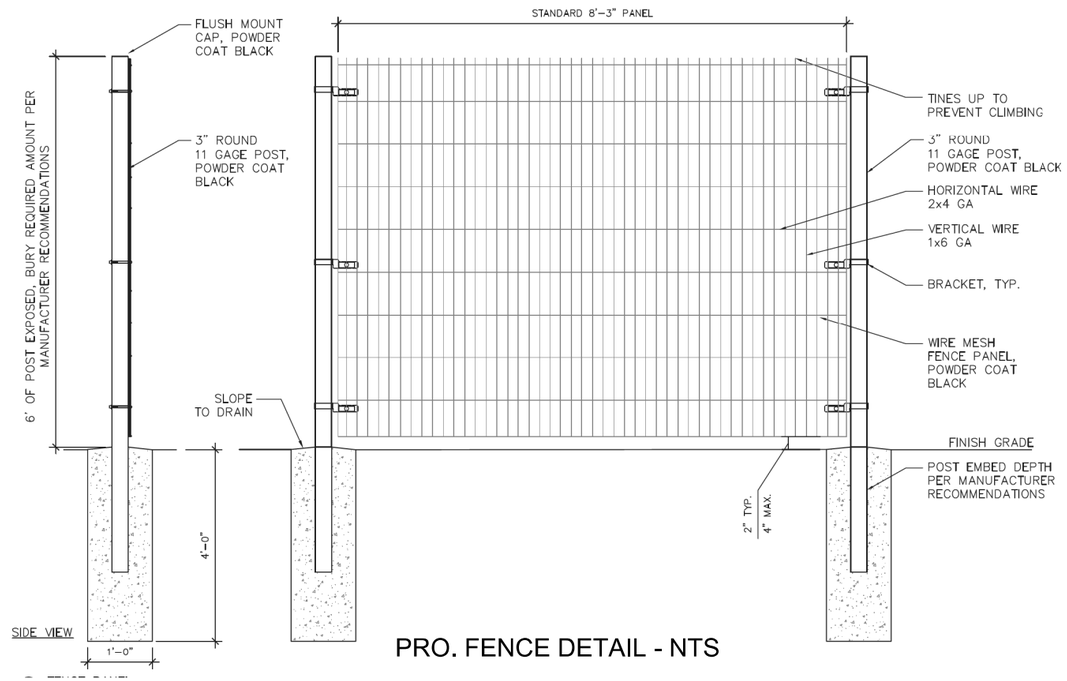


NOTES

1. CONTRACTOR RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

2. CONTRACTOR SHALL NOT STORE ANY MATERIALS OVER MG&E AND ATC EASEMENTS. CONTRACTOR'S SURVEYOR SHALL LOCATE AND STAKE EASEMENTS PRIOR TO CONSTRUCTION.



PRO. FENCE DETAIL - NTS

City of Madison

Department of Public Works

PARKS DIVISION

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

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Graphical Scale
0 60 ft

N

PROJECT:

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

ITEM	DATE
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PUBLIC WORKS PROJECT #:

8359

SHEET TITLE:

SITE DETAILS -FENCE

SHEET NUMBER:

11.2

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