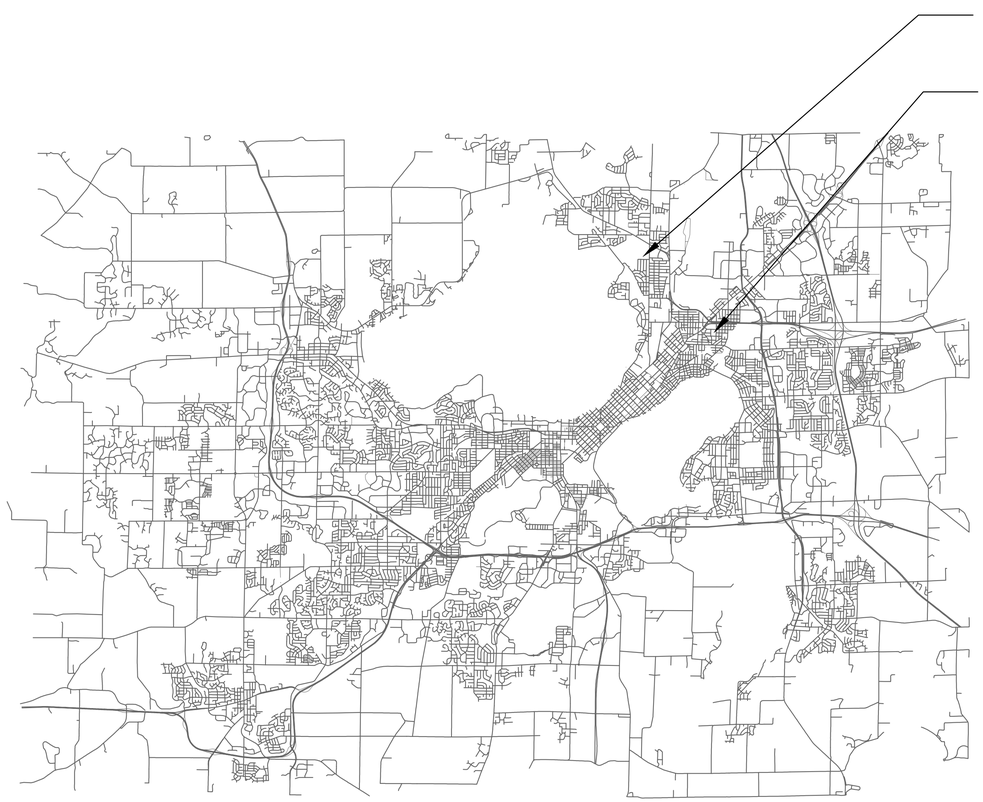
LEGEND

- EX. ELECTRICAL HAND HOLE
- EX. ELECTRICAL PEDESTAL
- EX. TELEPHONE PEDESTAL
- EX. TREE
- EX. WATER HYDRANT
- EX. WATER VALVE
- EX. PROPERTY LINE
- EX. EASEMENT
- EX. FENCE LINE
- EX. TREE LINE
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER)
- EX. ABANDONED UTILITY
- EX. ELECTRIC
- EX. FIBER OPTIC
- EX. NATURAL GAS
- EX. OVERHEAD LINE
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. CABLE TV
- EX. UNDERGROUND TELEPHONE
- EX. WATER LINE
- EX. GRAVEL
- EX. CONCRETE
- ###.## PRO. SPOT ELEVATION
- PRO. CONTOUR (INDEX)
- PRO. CONTOUR (INTER)
- PRO. SWALE
- PRO. SILT SOCK
- PRO. CONSTRUCTION FENCE
- PRO. STORM SEWER
- PRO. ASPHALT
- PRO. CONCRETE
- PRO. CONSTRUCTION ENTRANCE
- PRO. MILL AND RESURFACE
- REMOVE MILL AND RESURFACE
- REMOVE EX. ASPHALT
- REMOVE ELECTRICAL SERVICE
- REMOVE LIGHT POLE
- CLEAR AND GRUB

WARNER PARK PICKLEBALL COURTS AND WORTHINGTON PARK FUTSAL COURT

MUNIS NUMBERS:

13410-51-130 & 15049-51-130



SHEET SCHEDULE

DESIGNED BY:

WISCONSIN
BRIAN S. KOWALSKI
LA-1028
MADISON
WI
LANDSCAPE ARCHITECT

City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

N

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
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:

9694

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

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NOTES

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

City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 30

N

PROJECT:

WARNER PARK PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE. MADISON, WI 53704

ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:

PROJECT LOCATION AND SITE ACCESS PLAN

SHEET NUMBER:

L101

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NOTES

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City of Madison

Department of Public Works

PARKS DIVISION

330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale

0 20

N

PROJECT:

WARNER PARK PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE. MADISON, WI 53704

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ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:

9694

SHEET TITLE:

EXISTING CONDITIONS

SHEET NUMBER:

L102

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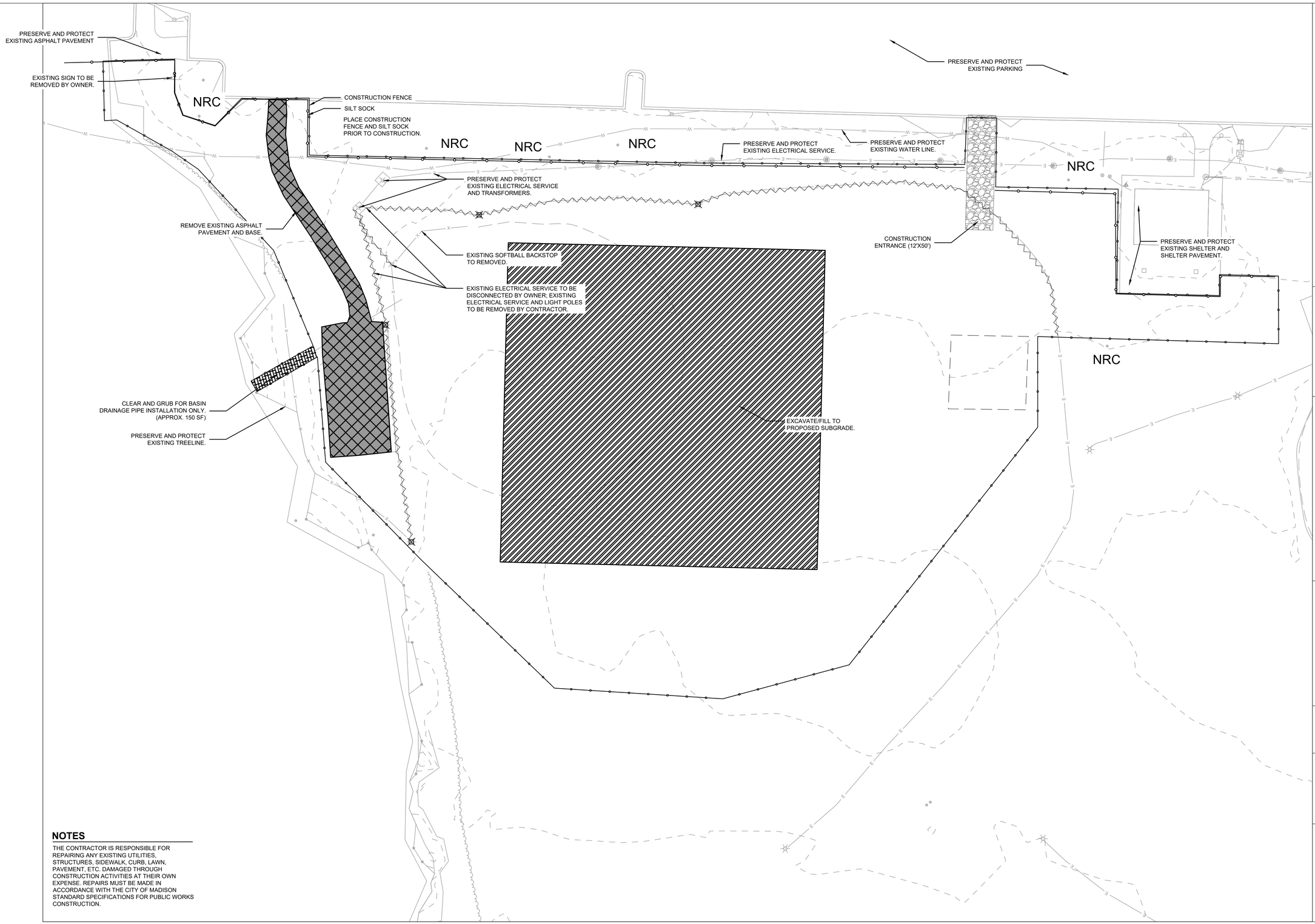

NOTES

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City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 20
N

PROJECT:

WARNER PARK PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE. MADISON, WI 53704

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ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:

DEMOLITION PLAN AND PROTECTION PLAN

SHEET NUMBER:

L103

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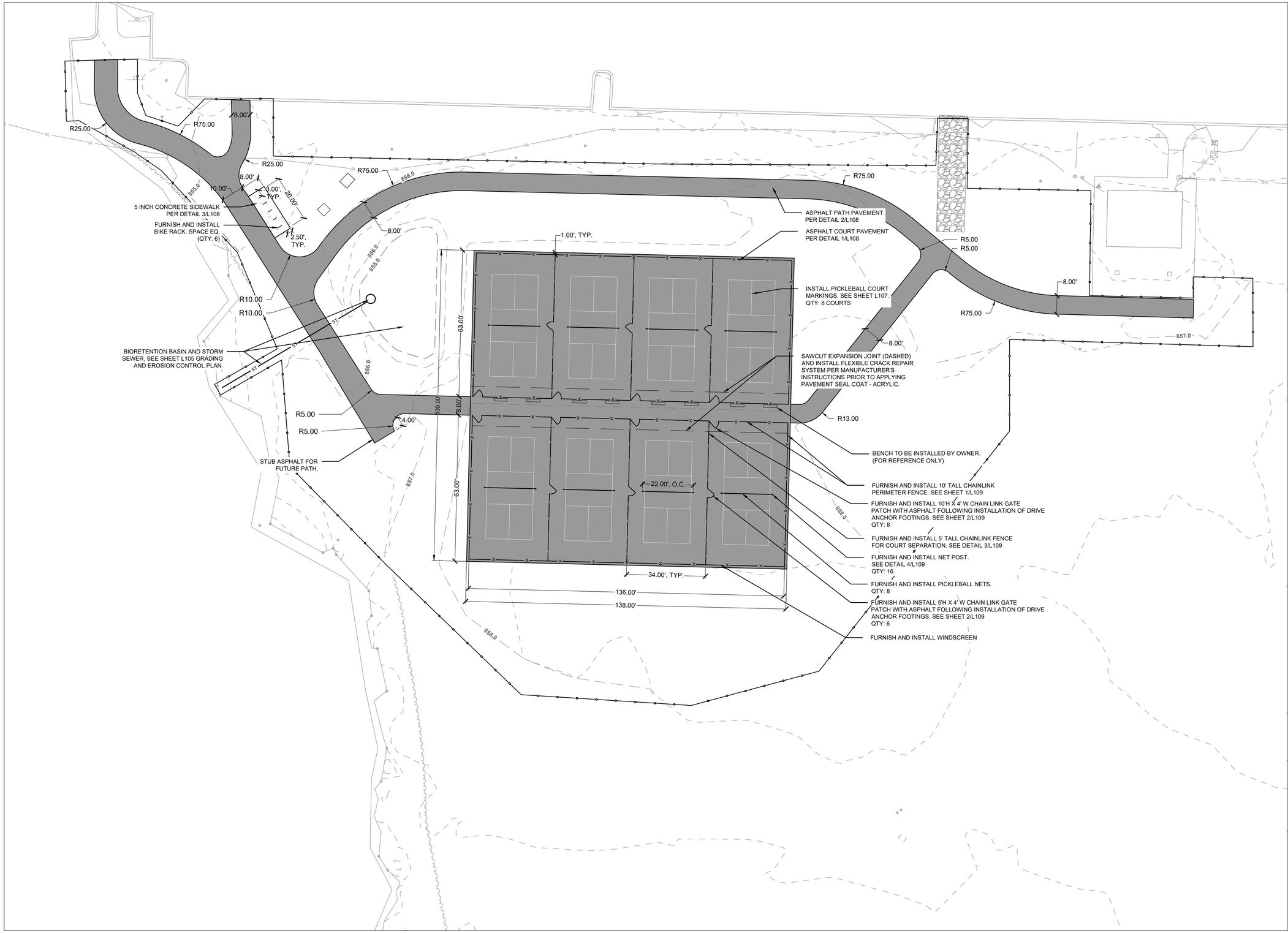

City of Madison
Department of Public Works
PARKS DIVISION

330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 20
N

PROJECT:

WARNER PARK PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE. MADISON, WI 53704

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ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

L104

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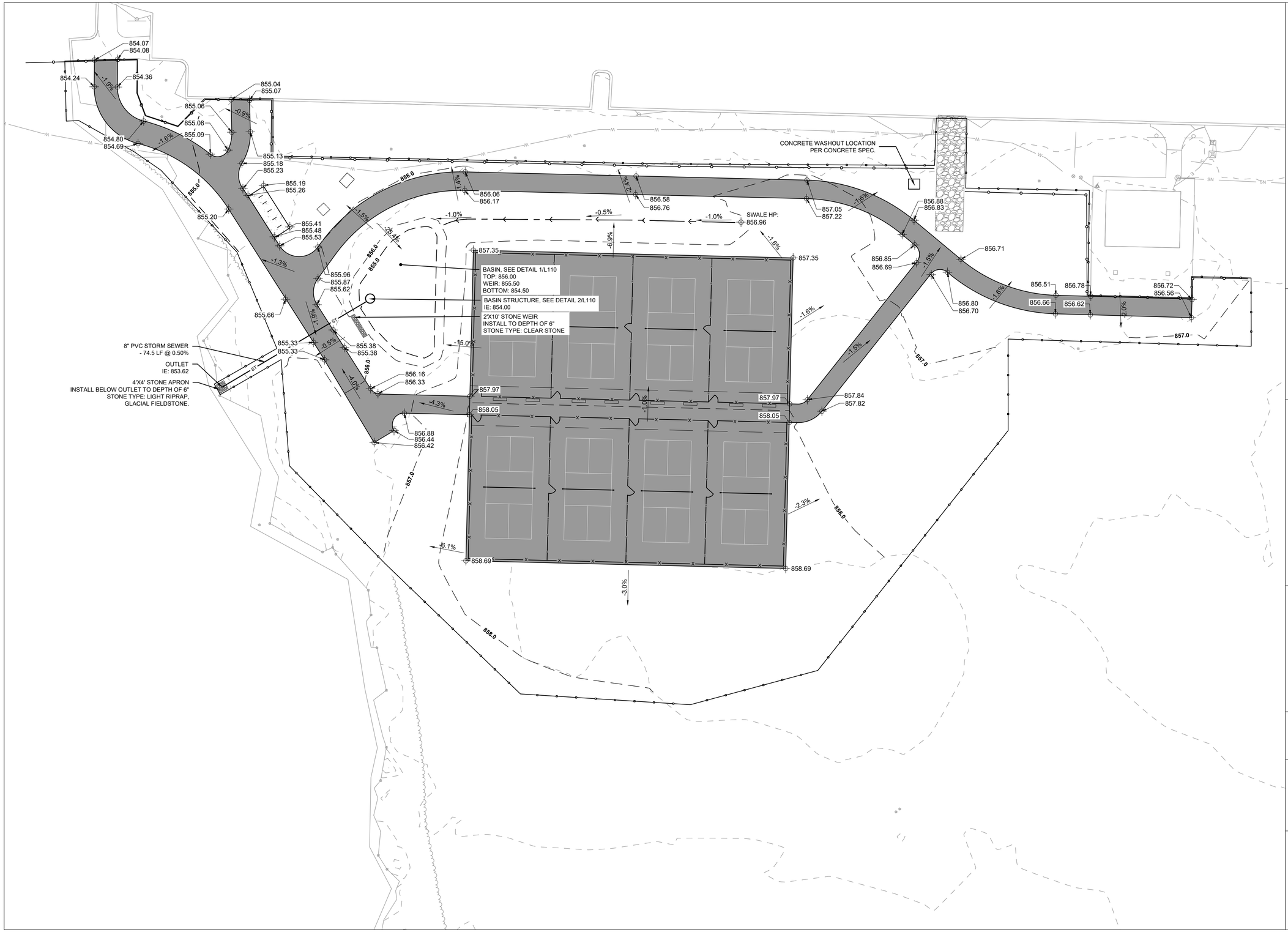

City of Madison
Department of Public Works
PARKS DIVISION

330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 20
N

PROJECT:

WARNER PARK
PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE.
MADISON, WI 53704

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ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:
GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:
L105

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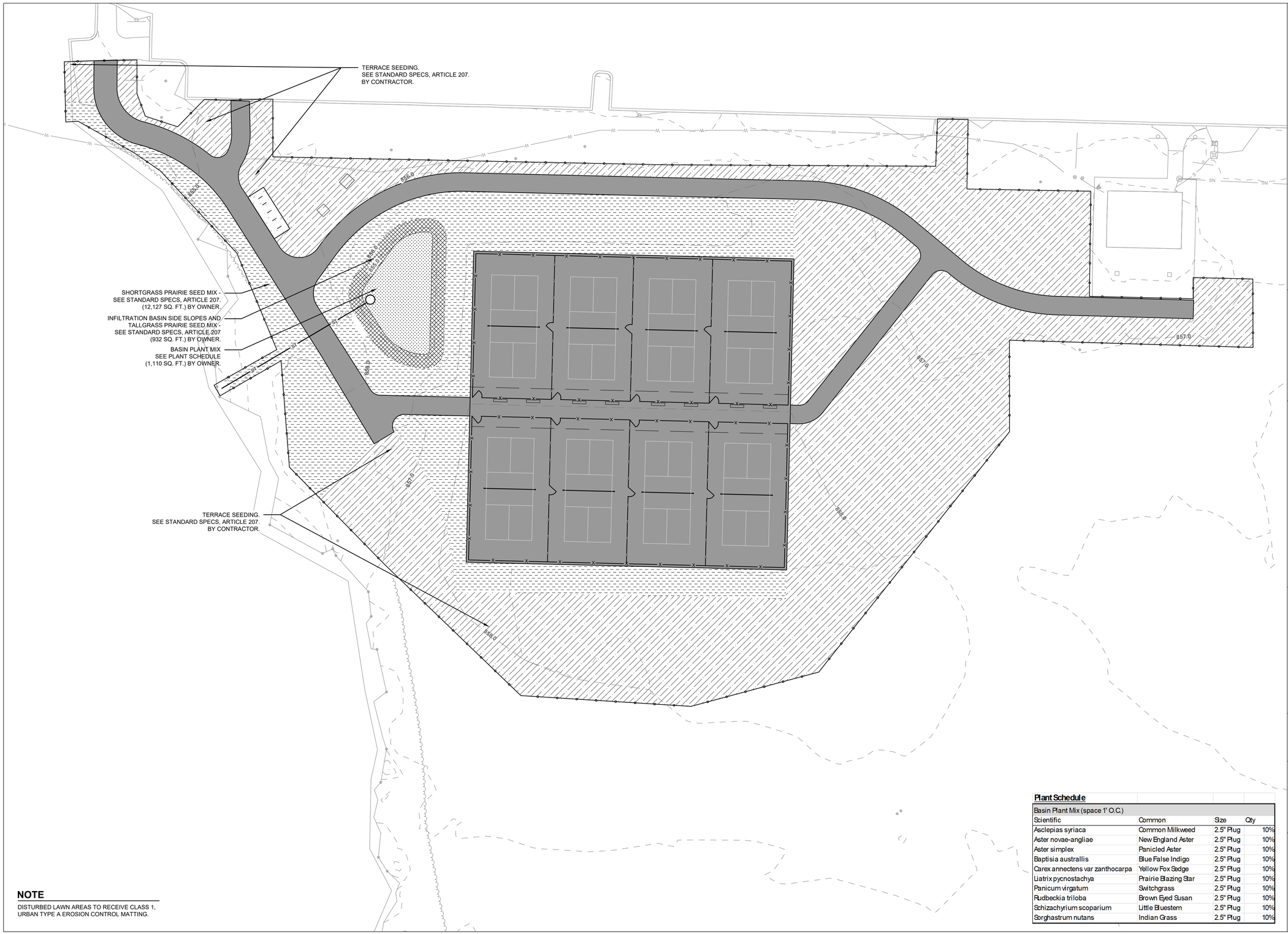

Plant Schedule

Basin Plant Mix (space 1' O.C.)			
Scientific	Common	Size	Qty
Asclepias syriaca	Common Milkweed	2.5" Plug	10%
Aster novae-angliae	New England Aster	2.5" Plug	10%
Aster simplex	Panicled Aster	2.5" Plug	10%
Baptisia australis	Blue False Indigo	2.5" Plug	10%
Carex annectens var zanthocarpa	Yellow Fox Sedge	2.5" Plug	10%
Liatrix pycnostachya	Prairie Blazing Star	2.5" Plug	10%
Panicum virgatum	Switchgrass	2.5" Plug	10%
Rudbeckia triloba	Brown Eyed Susan	2.5" Plug	10%
Schizachyrium scoparium	Little Bluestem	2.5" Plug	10%
Sorghastrum nutans	Indian Grass	2.5" Plug	10%

NOTE

DISTURBED LAWN AREAS TO RECEIVE CLASS 1, URBAN TYPE A EROSION CONTROL MATTING.

City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 20
N

PROJECT:

WARNER PARK
PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE.
MADISON, WI 53704

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ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

L106

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NOTES

1. ALL DIMENSIONS TO OR FROM LINE MARKING FROM THE INSIDE EDGE OF LINE MARKINGS UNLESS OTHERWISE NOTED.
2. ALL LINE MARKINGS SHOWN SHALL BE WHITE COLOR AND 2" WIDTH. SEE SPECIFICATIONS FOR ADDITIONAL LINE PAINTING INFORMATION.
3. COLORS INDICATED ARE FOR ACRYLIC PAVEMENT SEAL COAT. COLOR SAMPLES SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR APPROVAL PRIOR TO APPLICATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 10

N

PROJECT:

WARNER PARK PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE. MADISON, WI 53704

ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:

COURT LAYOUT

SHEET NUMBER:

L107

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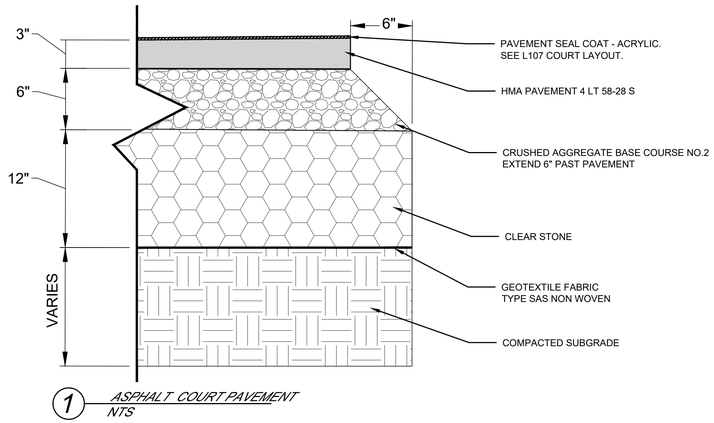
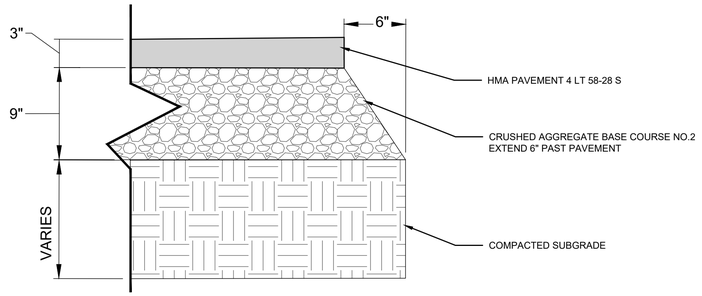
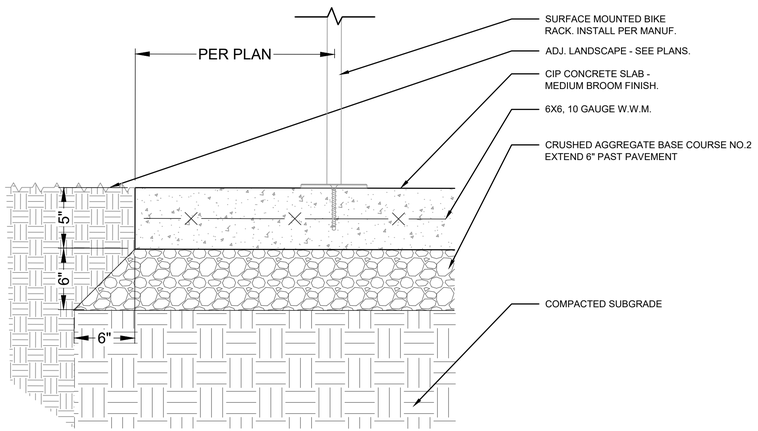


1 *ASPHALT COURT PAVEMENT*
NTS



2 *ASPHALT PATH PAVEMENT*
NTS



3 *5" CONCRETE SIDEWALK W/ BIKE RACK MOUNTING*
NTS

City of Madison
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Madison, WI 53715

MADISON PARKS

N

PROJECT:

WARNER PARK
PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE.
MADISON, WI 53704

ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:

PAVEMENT DETAILS

SHEET NUMBER:

L108

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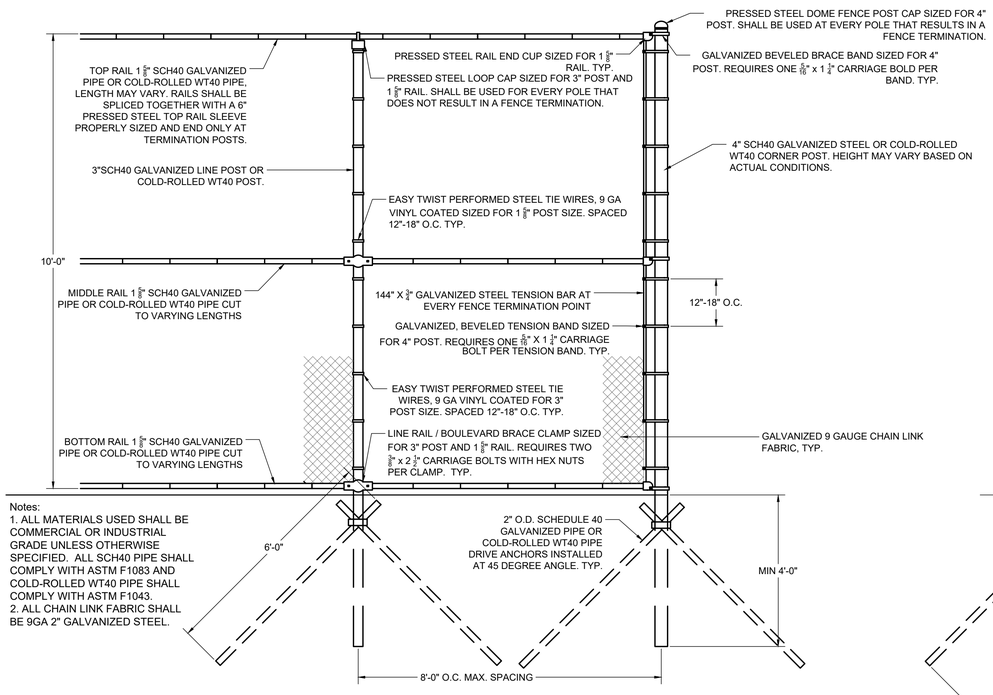
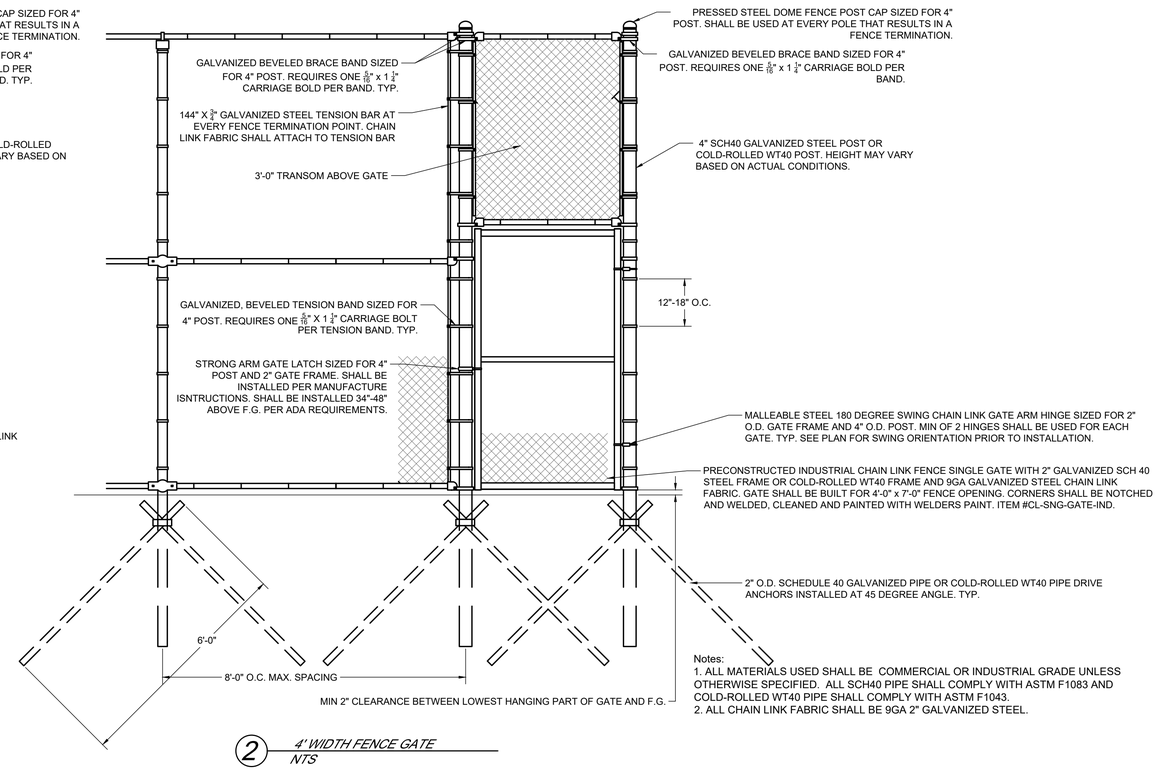
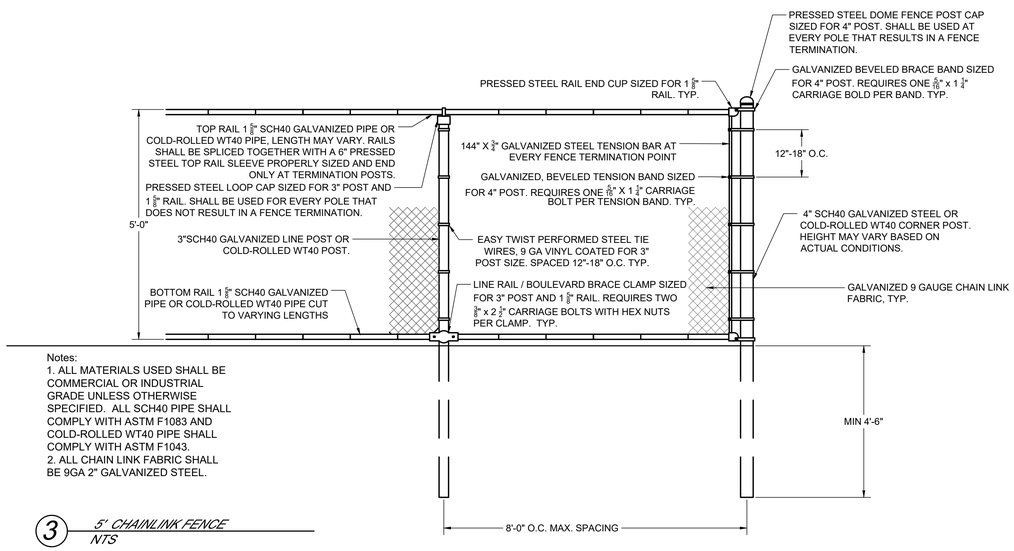


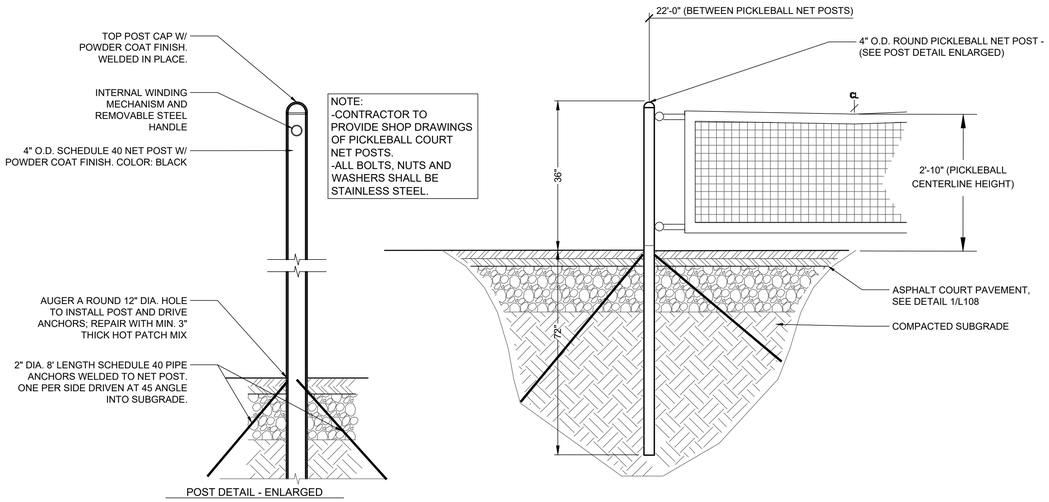
1 *10' CHAINLINK FENCE*
NTS



2 *4' WIDTH FENCE GATE*
NTS



3 *5' CHAINLINK FENCE*
NTS



4 *NET POST*
NTS

City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

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PROJECT:

WARNER PARK PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE. MADISON, WI 53704

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ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:
FENCE & NET DETAILS

SHEET NUMBER:
L109

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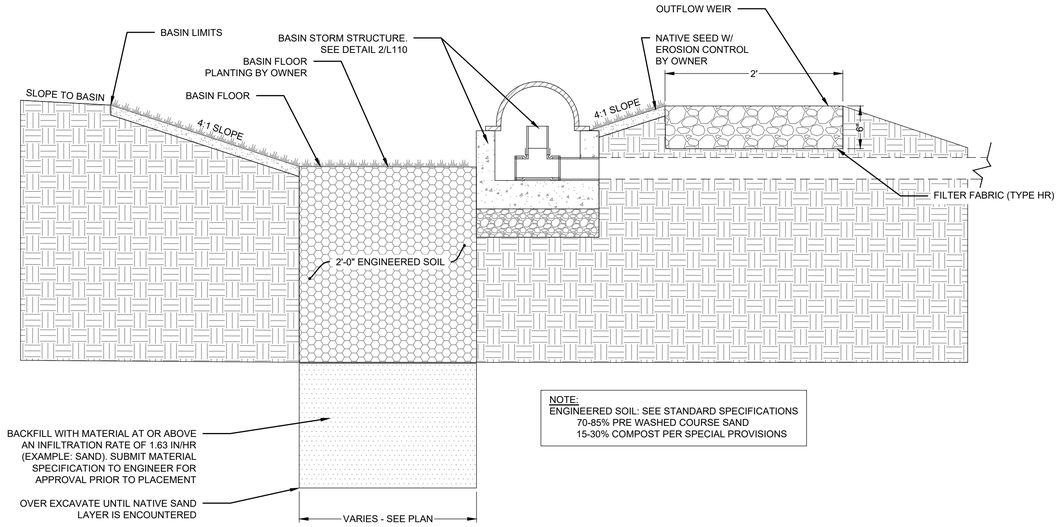
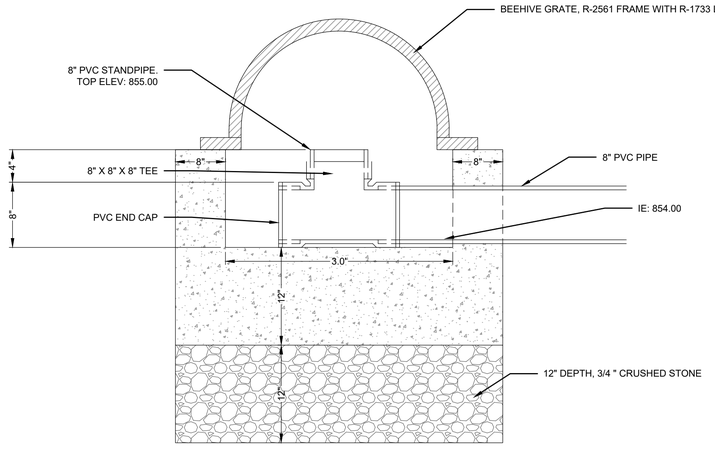


1 BIO-RETENTION BASIN X-SEC (TYP)
NTS



2 BIO-RETENTION BASIN STORM STRUCTURE
NTS

City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

N

PROJECT:

WARNER PARK PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE. MADISON, WI 53704

ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:
STORMWATER DETAILS

SHEET NUMBER:
L110

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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 Court Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	18492	0.50	9246	342.4	0%	342.4
	Grass to Court Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-21in	18492	varies	10603	392.7	0%	392.7
	Grass to Court Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-21in	18492	varies	0	0.0	0%	0.0
	Grass to Court Asphalt	Clearstone (for Court Pavement) Place	Place 12in clear stone base	n/a	n/a	18492	-1.00	-18492	-684.9	0%	-684.9
	Grass to Court Asphalt	Gravel Place	Place 6in gravel base	n/a	n/a	18492	-0.50	-9246	-342.4	0%	-342.4
	Grass to Court Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	18492	-0.25	-4623	-171.2	0%	-171.2
	Grass to Grass.1	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	21377	0.50	10688	395.9	0%	395.9
	Grass to Grass.1	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	21377	varies	1090	40.4	0%	40.4
	Grass to Grass.1	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	21377	varies	-3402	-126.0	0%	-126.0
	Grass to Grass.1	Topsoil Place	Place 6in topsoil	n/a	n/a	21377	-0.50	-10688	-395.9	0%	-395.9
	Grass to Grass.2	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	618	0.50	309	11.4	0%	11.4
	Grass to Grass.2	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	618	varies	24	0.9	0%	0.9
	Grass to Grass.2	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	618	varies	-159	-5.9	0%	-5.9
	Grass to Grass.2	Topsoil Place	Place 6in topsoil	n/a	n/a	618	-0.50	-309	-11.4	0%	-11.4
	Grass to Grass.3	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	3498	0.50	1749	64.8	0%	64.8
	Grass to Grass.3	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	3498	varies	92	3.4	0%	3.4
	Grass to Grass.3	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	3498	varies	-887	-32.9	0%	-32.9
	Grass to Grass.3	Topsoil Place	Place 6in topsoil	n/a	n/a	3498	-0.50	-1749	-64.8	0%	-64.8
	Grass to Grass.4	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	11009	0.50	5505	203.9	0%	203.9
	Grass to Grass.4	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	11009	varies	4443	164.5	0%	164.5
	Grass to Grass.4	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	11009	varies	-3130	-115.9	0%	-115.9
	Grass to Grass.4	Topsoil Place	Place 6in topsoil	n/a	n/a	11009	-0.50	-5505	-203.9	0%	-203.9
	Grass to Path Asphalt.1	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	633	0.50	317	11.7	0%	11.7
	Grass to Path Asphalt.1	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	633	varies	437	16.2	0%	16.2
	Grass to Path Asphalt.1	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	633	varies	-1	-0.1	0%	-0.1
	Grass to Path Asphalt.1	Gravel Place	Place 9in gravel base	n/a	n/a	633	-0.75	-475	-17.6	0%	-17.6
	Grass to Path Asphalt.1	Asphalt Place	Place 3in asphalt	n/a	n/a	633	-0.25	-158	-5.9	0%	-5.9
	Grass to Path Asphalt.2	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1546	0.50	773	28.6	0%	28.6
	Grass to Path Asphalt.2	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	1546	varies	169	6.3	0%	6.3
	Grass to Path Asphalt.2	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	1546	varies	-108	-4.0	0%	-4.0
	Grass to Path Asphalt.2	Gravel Place	Place 9in gravel base	n/a	n/a	1546	-0.75	-1160	-43.0	0%	-43.0
	Grass to Path Asphalt.2	Asphalt Place	Place 3in asphalt	n/a	n/a	1546	-0.25	-387	-14.3	0%	-14.3
	Grass to Path Asphalt.3	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	3998	0.50	1999	74.0	0%	74.0
	Grass to Path Asphalt.3	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	3998	varies	1104	40.9	0%	40.9
	Grass to Path Asphalt.3	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	3998	varies	-242	-9.0	0%	-9.0
	Grass to Path Asphalt.3	Gravel Place	Place 9in gravel base	n/a	n/a	3998	-0.75	-2999	-111.1	0%	-111.1
	Grass to Path Asphalt.3	Asphalt Place	Place 3in asphalt	n/a	n/a	3998	-0.25	-1000	-37.0	0%	-37.0
	Path Asphalt to Concrete	Asphalt Excavate	Remove estimated 3in asphalt	n/a	n/a	169	0.25	42	1.6	0%	1.6
	Path Asphalt to Concrete	Gravel Excavate	Remove estimated 9in gravel base	n/a	n/a	169	0.75	127	4.7	0%	4.7
	Path Asphalt to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-11in	169	varies	0	0.0	0%	0.0
	Path Asphalt to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-11in	169	varies	-105	-3.9	0%	-3.9
	Path Asphalt to Concrete	Gravel Place	Place 6in gravel base	n/a	n/a	169	-0.50	-85	-3.1	0%	-3.1
	Path Asphalt to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	169	-0.42	-70	-2.6	0%	-2.6

	Path Asphalt to Path Asphalt.1	Asphalt Excavate	Remove estimated 3in asphalt	n/a	n/a	474	0.25	118	4.4	0%	4.4
	Path Asphalt to Path Asphalt.1	Gravel Excavate	Remove estimated 9in gravel base	n/a	n/a	474	0.75	355	13.2	0%	13.2
	Path Asphalt to Path Asphalt.1	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-12in	474	varies	206	7.6	0%	7.6
	Path Asphalt to Path Asphalt.1	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-12in	474	varies	-54	-2.0	0%	-2.0
	Path Asphalt to Path Asphalt.1	Gravel (for Path Pavement) Place	Place 9in gravel base	n/a	n/a	474	-0.75	-355	-13.2	0%	-13.2
	Path Asphalt to Path Asphalt.1	Asphalt Place	Place 3in asphalt	n/a	n/a	474	-0.25	-118	-4.4	0%	-4.4
	Path Asphalt to Path Asphalt.2	Asphalt Excavate	Remove estimated 3in asphalt	n/a	n/a	216	0.25	54	2.0	0%	2.0
	Path Asphalt to Path Asphalt.2	Gravel Excavate	Remove estimated 9in gravel base	n/a	n/a	216	0.75	162	6.0	0%	6.0
	Path Asphalt to Path Asphalt.2	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-12in	216	varies	0	0.0	0%	0.0
	Path Asphalt to Path Asphalt.2	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-12in	216	varies	-86	-3.2	0%	-3.2
	Path Asphalt to Path Asphalt.2	Gravel (for Path Pavement) Place	Place 9in gravel base	n/a	n/a	216	-0.75	-162	-6.0	0%	-6.0
	Path Asphalt to Path Asphalt.2	Asphalt Place	Place 3in asphalt	n/a	n/a	216	-0.25	-54	-2.0	0%	-2.0
	Path Asphalt to Grass	Asphalt Excavate	Remove estimated 3in asphalt	n/a	n/a	1190.46	0.25	298	11.0	0%	11.0
	Path Asphalt to Grass	Gravel Excavate	Remove estimated 9in gravel base	n/a	n/a	1190.46	0.75	893	33.1	0%	33.1
	Path Asphalt to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-6in	1190.46	varies	15	0.6	0%	0.6
	Path Asphalt to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-6in	1190.46	varies	-499	-18.5	0%	-18.5
	Path Asphalt to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	1190.46	-0.5	-595	-22.0	0%	-22.0
	Path Asphalt to Grass	Asphalt Excavate	Remove estimated 3in asphalt	n/a	n/a	133.92	0.25	33	1.2	0%	1.2
	Path Asphalt to Grass	Gravel Excavate	Remove estimated 9in gravel base	n/a	n/a	133.92	0.75	100	3.7	0%	3.7
	Path Asphalt to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-6in	133.92	varies	9	0.3	0%	0.3
	Path Asphalt to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-6in	133.92	varies	-40	-1.5	0%	-1.5
	Path Asphalt to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	133.92	-0.5	-67	-2.5	0%	-2.5
	Path Asphalt to Grass	Asphalt Excavate	Remove estimated 3in asphalt	n/a	n/a	76.1	0.25	19	0.7	0%	0.7
	Path Asphalt to Grass	Gravel Excavate	Remove estimated 9in gravel base	n/a	n/a	76.1	0.75	57	2.1	0%	2.1
	Path Asphalt to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-6in	76.1	varies	0	0.0	0%	0.0
	Path Asphalt to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-6in	76.1	varies	-74	-2.7	0%	-2.7
	Path Asphalt to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	76.1	-0.5	-38	-1.4	0%	-1.4
	Path Asphalt to Grass	Asphalt Excavate	Remove estimated 3in asphalt	n/a	n/a	112.33	0.25	28	1.0	0%	1.0
	Path Asphalt to Grass	Gravel Excavate	Remove estimated 9in gravel base	n/a	n/a	112.33	0.75	84	3.1	0%	3.1
	Path Asphalt to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-6in	112.33	varies	0	0.0	0%	0.0
	Path Asphalt to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-6in	112.33	varies	-126	-4.7	0%	-4.7
	Path Asphalt to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	112.33	-0.5	-56	-2.1	0%	-2.1

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	1895	CY	= Asphalt Excavate + Gravel Excavate+ Topsoil Excavate + Subsoil Excavate
20217 Clear Stone	1439	tons	= (Clear Stone Place) * -2.1 ton/cubic yard
20202 Fill Borrow	0	CY	= difference of Subsoil Place & Subsoil Excavate
20221 Topsoil	0	SY	= (Topsoil Place)/-.167
40102 Crushed Aggregate Base Course Gradation No. 2	1072	tons	= (Gravel Place) * -2 ton/cubic yard
40202 HMA Pavement 4 LT 58-28S	508	tons	= Asphalt Place * -2.16 ton/cubic yard
30301 5 Inch Concrete Sidewalk	169	SF	

1 DESIGN COMPUTATION TABLES
NTS

City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

N

PROJECT:

WARNER PARK
PICKLEBALL COURT

PROJECT ADDRESS:

2930 N. SHERMAN AVE.
MADISON, WI 53704

ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:
DESIGN COMPUTATIONS

SHEET NUMBER:
L111

M:\Maps\parks\Warner\2025 Pickleball\Warner SE PH1 Sheets.dwg

NOTE

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

City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 30

N

PROJECT:

WORTHINGTON PARK FUTSAL COURT

PROJECT ADDRESS:

3102 WORTHINGTON AVE. MADISON, WI 53714

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
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:

PROJECT LOCATION AND SITE ACCESS PLAN

SHEET NUMBER:

L201

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NOTE

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City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 30
N

PROJECT:

WORTHINGTON PARK FUTSAL COURT

PROJECT ADDRESS:

3102 WORTHINGTON AVE. MADISON, WI 53714

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
BIDDING DOCUMENTS	2025-12-09

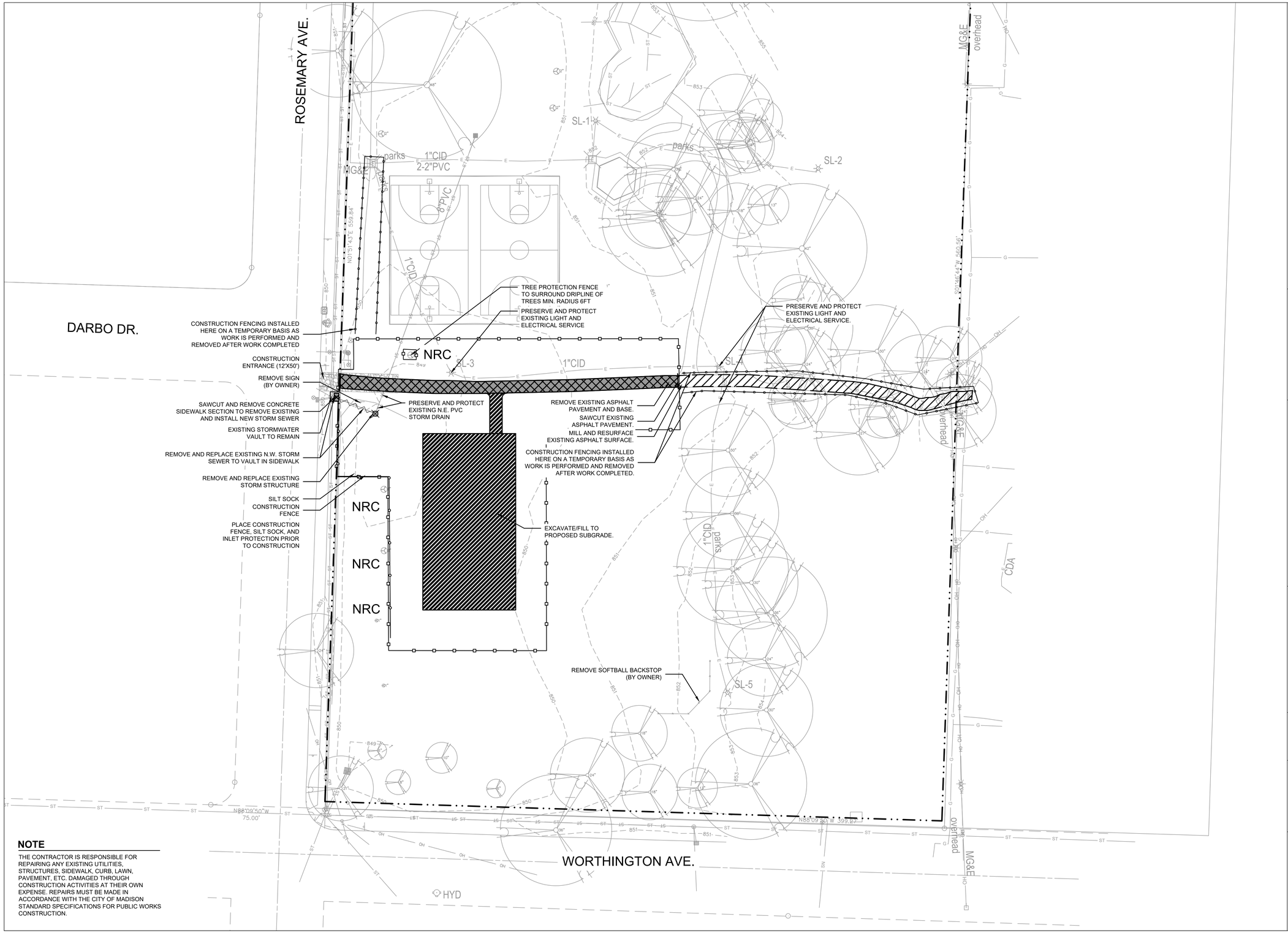
PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:

EXISTING CONDITIONS

SHEET NUMBER:

L202



NOTE

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

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City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 30
N

PROJECT:

WORTHINGTON PARK FUTSAL COURT

PROJECT ADDRESS:

3102 WORTHINGTON AVE.
MADISON, WI 53714

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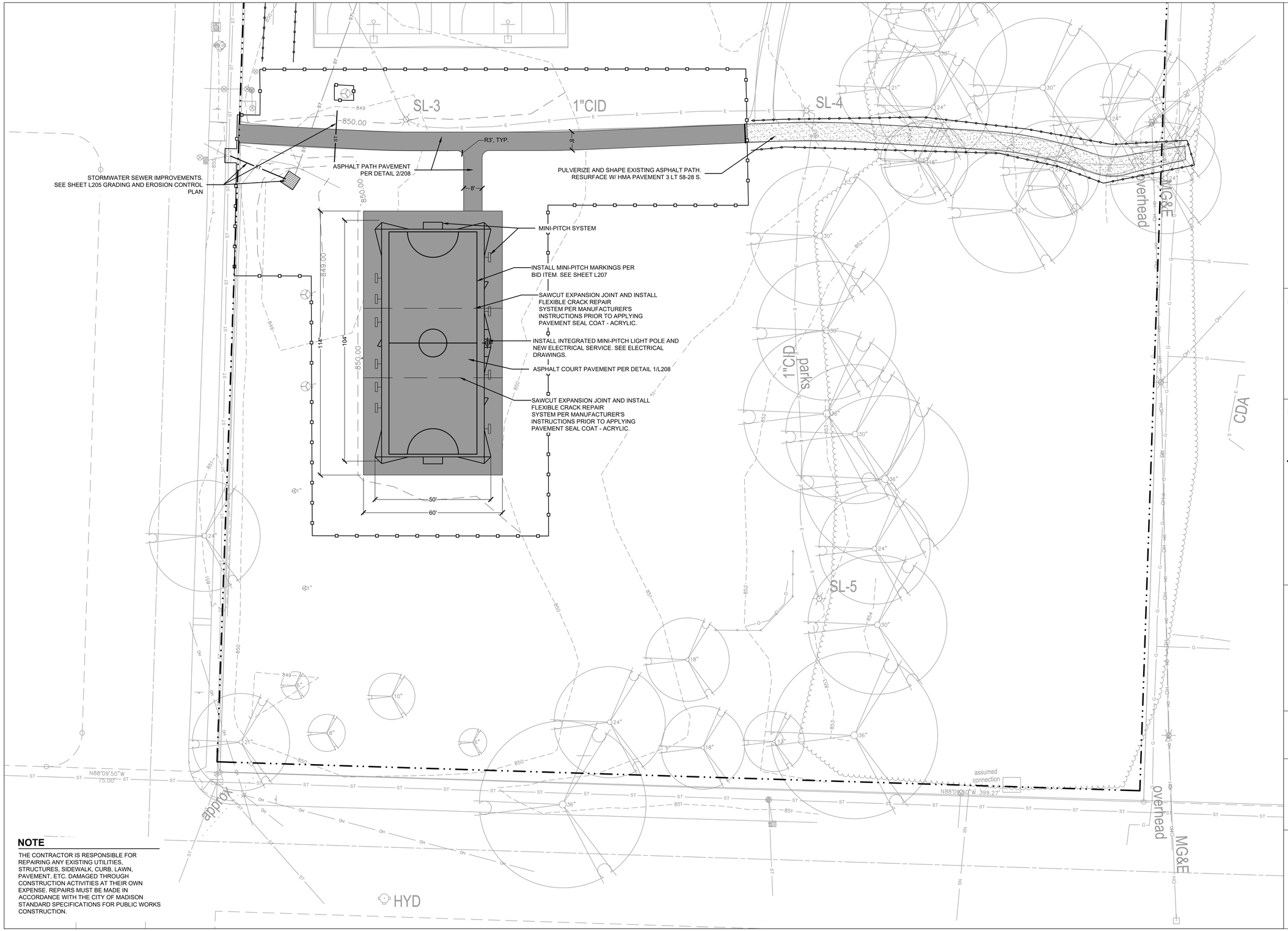
ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:
DEMOLITION AND SITE PROTECTION PLAN

SHEET NUMBER:
L203



NOTE

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

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City of Madison

Department of Public Works

PARKS DIVISION

330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale

0 20

N

PROJECT:

WORTHINGTON PARK FUTSAL COURT

PROJECT ADDRESS:

3102 WORTHINGTON AVE. MADISON, WI 53714

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
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:

9694

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

L204

TYPE II: PAVEMENT STORM SEWER. 12" PP PIPE. 24 LF @ 0.75% IE:849.11

OUTLET IE: 846.44

12" RCP STORM SEWER. CONNECT TO EXISTING STORM WATER VAULT. 26 LF @ 1.46%

CONCRETE WASHOUT LOCATION PER CONCRETE SPEC.

3'X3' SAS CATCH BASIN W/ GRATE. CONNECT TO EXISTING N.E. PVC STORM SEWER AND INSTALL NEW N.W. PVC STORM PIPE.

RIM: 848.42
NE IE: 846.92
NW IE: 846.82

SEE SHEET L209 STORMWATER DETAILS.

OUTLET IE: 848.93

EXISTING GRADE TO REMAIN

SL-3

SL-4

SL-5

1"CID

parks 1"CID

overhead MG&E

CDA

assumed connection

N88°09'50"W 75.00'

N88°09'50"W 399.27'

approx

HYD

NOTE

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City of Madison

Department of Public Works

PARKS DIVISION

330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale

0 20

N

PROJECT:

WORTHINGTON PARK FUTSAL COURT

PROJECT ADDRESS:

3102 WORTHINGTON AVE. MADISON, WI 53714

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
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:

9694

SHEET TITLE:

GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:

L205

ROSEMARY AVE.

DARBO DR.

WORTHINGTON AVE.

playground

parks

1"CID
2-2"PVC

SL-1

SL-2

SL-3

SL-4

SL-5

1"CID

MG&E overhead

TERRACE SEEDING.
SEE STANDARD SPECS,
ARTICLE 207. BY CONTRACTOR.

NOTE

DISTURBED LAWN AREAS TO RECEIVE CLASS 1, URBAN TYPE A EROSION CONTROL MATTING.

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City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 30

N

PROJECT:

WORTHINGTON PARK FUTSAL COURT

PROJECT ADDRESS:

3102 WORTHINGTON AVE.
MADISON, WI 53714

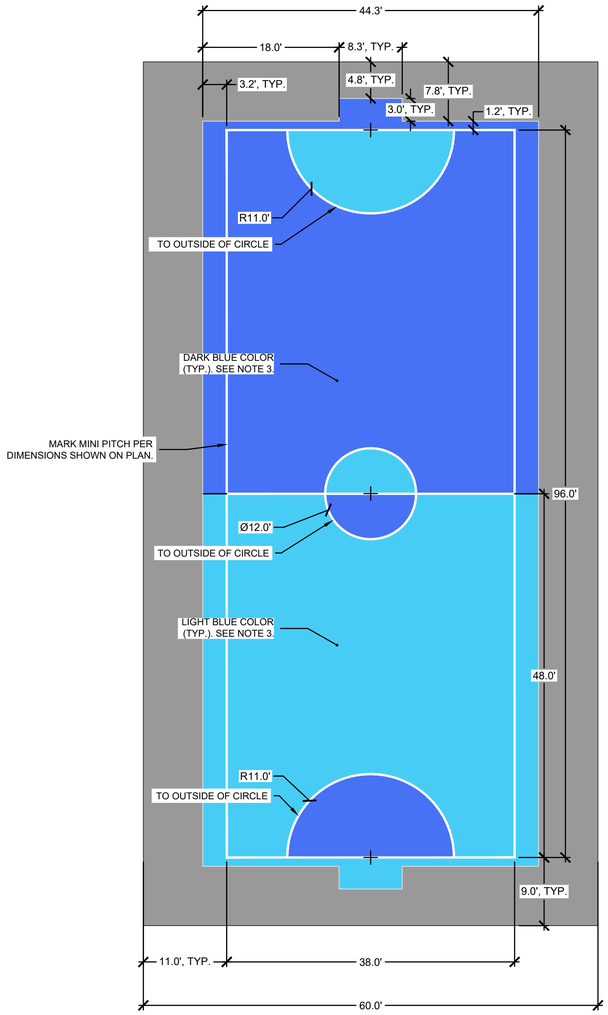
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:
SITE RESTORATION PLAN

SHEET NUMBER:
L206



NOTE

1. ALL DIMENSIONS TO OR FROM LINE MARKING FROM THE INSIDE EDGE OF LINE MARKINGS UNLESS OTHERWISE NOTED.
2. ALL LINE MARKINGS SHOWN SHALL BE WHITE COLOR AND 2" WIDTH. SEE SPECIFICATIONS FOR ADDITIONAL LINE PAINTING INFORMATION.
3. COLORS INDICATED ARE FOR ACRYLIC PAVEMENT SEAL COAT. COLOR SAMPLES SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR APPROVAL PRIOR TO APPLICATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 10
N

PROJECT:

WORTHINGTON PARK FUTSAL COURT

PROJECT ADDRESS:

3102 WORTHINGTON AVE. MADISON, WI 53714

ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:

COURT LAYOUT

SHEET NUMBER:

L207

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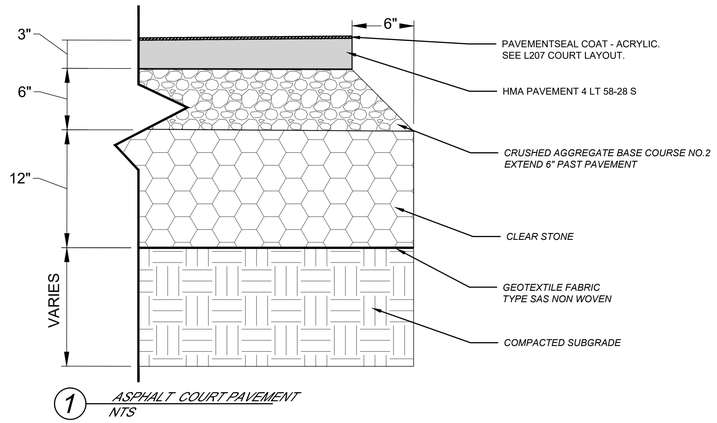
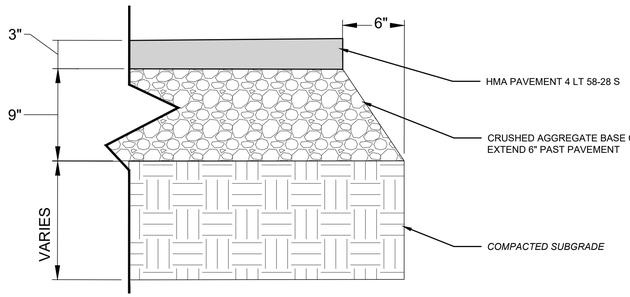


1 ASPHALT COURT PAVEMENT
NTS



2 ASPHALT PATH PAVEMENT
NTS

City of Madison
Department of Public Works
PARKS DIVISION

330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

N

PROJECT:

WORTHINGTON PARK
FUTSAL COURT

PROJECT ADDRESS:

3102 WORTHINGTON AVE.
MADISON, WI 53714

ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:

PAVEMENT DETAILS

SHEET NUMBER:

L208

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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)
1.1	Grass to Court Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	6840	0.50	3420	126.7	0%	126.7
1.2	Grass to Court Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-21in	6840	varies	1604	59.4	0%	59.4
1.3	Grass to Court Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-21in	6840	varies	-3	-0.1	0%	-0.1
1.4	Grass to Court Asphalt	Clearstone (for Court Pavement) Place	Place 12in clear stone base	n/a	n/a	6840	-1.00	-6840	-253.3	0%	-253.3
1.5	Grass to Court Asphalt	Gravel Place	Place 6in gravel base	n/a	n/a	6840	-0.50	-3420	-126.7	0%	-126.7
1.6	Grass to Court Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	6840	-0.25	-1710	-63.3	0%	-63.3
2.1	Grass to Path Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	216	0.50	108	4.0	0%	4.0
2.2	Grass to Path Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	216	varies	0	0.0	0%	0.0
2.3	Grass to Path Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	216	varies	-130	-4.8	0%	-4.8
2.4	Grass to Path Asphalt	Gravel Place	Place 9in gravel base	n/a	n/a	216	-0.75	-162	-6.0	0%	-6.0
2.5	Grass to Path Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	216	-0.25	-54	-2.0	0%	-2.0
3.1	Path Asphalt to Path Asphalt	Asphalt Excavate	Remove estimated 3in asphalt	n/a	n/a	1755	0.25	439	16.2	0%	16.2
3.2	Path Asphalt to Path Asphalt	Gravel Excavate	Remove estimated 9in gravel base	n/a	n/a	1755	0.75	1316	48.7	0%	48.7
3.3	Path Asphalt to Path Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-12in	1755	varies	0	0.0	0%	0.0
3.4	Path Asphalt to Path Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-12in	1755	varies	-1603	-59.4	0%	-59.4
3.5	Path Asphalt to Path Asphalt	Gravel (for Path Pavement) Place	Place 9in gravel base	n/a	n/a	1755	-0.75	-1316	-48.7	0%	-48.7
3.6	Path Asphalt to Path Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	1755	-0.25	-439	-16.2	0%	-16.2
13298	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	13298	0.50	6649	246.3	0%	246.3
4.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	13298	varies	106	3.9	0%	3.9
4.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	13298	varies	-6940	-257.0	0%	-257.0
4.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	13298	-0.50	-6649	-246.3	0%	-246.3
5.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	3319	0.50	1659	61.5	0%	61.5
5.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	3319	varies	9	0.3	0%	0.3
5.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	3319	varies	-1244	-46.1	0%	-46.1
5.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	3319	-0.50	-1659	-61.5	0%	-61.5

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	567	CY	= Asphalt Excavate + Gravel Excavate+ Topsoil Excavate + Subsoil Excavate
20217 Clear Stone	532	tons	= (Clear Stone Place) * -2.1 ton/cubic yard
20202 Fill Borrow	304	CY	= difference of Subsoil Place & Subsoil Excavate
20221 Topsoil	0	SY	= (Topsoil Place)/-.167
40102 Crushed Aggregate Base Course Gradation No. 2	363	tons	= (Gravel Place) * -2 ton/cubic yard
40202 HMA Pavement 4 LT 58-28S	176	tons	= Asphalt Place * -2.16 ton/cubic yard

1 *DESIGN COMPUTATION TABLES*
NTS

City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

MADISON PARKS

Graphical Scale
0 10

N

PROJECT:

WORTHINGTON PARK FUTSAL COURT

PROJECT ADDRESS:

3102 WORTHINGTON AVE. MADISON, WI 53714

ITEM	DATE
BIDDING DOCUMENTS	2025-12-09

PUBLIC WORKS PROJECT #:
9694

SHEET TITLE:
DESIGN COMPUTATIONS

SHEET NUMBER:
L210

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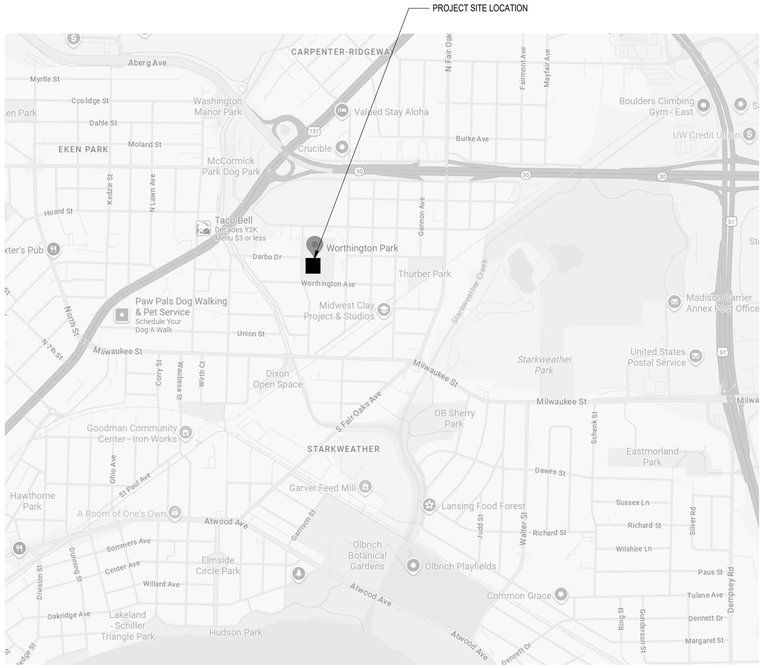
CITY OF MADISON
WORTHINGTON PARK FUTSAL COURT LIGHTING

WORTHINGTON PARK, 3102 WORTHINGTON AVE, MADISON, WI 53714

PROJECT NO.:25099

CONSTRUCTION DOCUMENTS



1 SITE MAP
NOT TO SCALE

DE SHEET INDEX

WISCONSIN
JONATHAN C. GETTLER
48452-6
CEDAR RAPIDS
IA
PROFESSIONAL ENGINEER

Seal

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Wisconsin.

Jonathan Charles Gettler Date
Wisconsin Registration No. 48452-6
My license renewal date is July 31, 2026.
Pages or sheets covered by this seal:
G100, E000, ED100, E100, E500

DESIGN ENGINEERS
BUILDING SYSTEMS CONSULTANTS
Cedar Rapids, IA 319.841.1944
Des Moines, IA 515.207.8676
Madison, WI 608.424.8815

CONSULTANTS

OWNER
CITY OF MADISON

PROJECT NAME
WORTHINGTON PARK FUTSAL COURT LIGHTING

PROJECT NUMBER: 25099
DRAWN: DRH
CHECKED: BJB

ISSUE DATE AND DESCRIPTION
11.26.2025 CONSTRUCTION DOCUMENTS

KEY PLAN

N

SHEET TITLE
COVER SHEET

G100

ELECTRICAL ABBREVIATIONS

(NOTE: ALL ABBREVIATIONS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)

*** ABBREVIATIONS ***

3R	NEMA 3R ENCLOSURE
4X	NEMA 4X ENCLOSURE
A	AMPERES
AF	AMPERE FRAME
AFCI/AFI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMP INTERRUPTING CAPACITY
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
ACT	ACOUSTICAL CEILING TILE
BRKR	BREAKER
C	CONDUIT
C1D1	CLASS I DIVISION 1
C1D2	CLASS I DIVISION 2
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CKT	CIRCUIT
CMS	COMBINATION MOTOR STARTER
CT	CURRENT TRANSFORMER
DB	DISTRIBUTION BOARD
DISC	DISCONNECT
DN	DOWN
DP	DISTRIBUTION PANEL
DS	DISCONNECT SWITCH
EGC	EQUIPMENT GROUND CONDUCTOR
EM/EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FDR	FEEDER
FDS	FUSED DISCONNECT SWITCH
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FLR	FLOOR
FVNR	FULL VOLTAGE NON-REVERSING
FSD	FIRE/SMOKE DAMPER
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI/GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTED
GND	GROUND
HH	HAND HOLE
HOA	HAND OFF AUTOMATIC
HP	HORSE POWER
HGT	HEIGHT
IESCR	INTEGRATED ELECTRICAL SHORT CIRCUIT RATING
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INV	INVERTER
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERES
KW	KILOWATTS
KWH	KILOWATT HOURS
LAN	LOCAL AREA NETWORK
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LI	LONG-TIME / INSTANTANEOUS
LSI	LONG-TIME / SHORT-TIME / INSTANTANEOUS
LSIA	LONG-TIME / SHORT-TIME / INSTANTANEOUS / GROUND ALARM
LSIG	LONG-TIME / SHORT-TIME / INSTANTANEOUS / GROUND
LTG	LIGHTING
LV	LOW VOLTAGE (0-49V)
MCB/MB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CIRCUIT
MCP	MOTOR CIRCUIT PROTECTOR
MCS	MOLDED CASE SWITCH
MH	MANHOLE
MLO	MAIN LUGS ONLY
MTR	MOTOR / METER
MV	MEDIUM VOLTAGE (601V TO 69KV)
NA	NOT APPLICABLE
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OCPD	OVERCURRENT PROTECTIVE DEVICE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OS	OCCUPANCY SENSOR
P	POLE
PB	PULL BOX / PUSH BUTTON
PC	PHOTOCELL
PDU	POWER DISTRIBUTION UNIT
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PT	POTENTIAL TRANSFORMER
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
RAC	RIGID ALUMINUM CONDUIT
REC	RECESSED
RCPT	RECEPTACLE
REL	RELOCATE
REQD	REQUIRED
RGS	RIGID GALVANIZED STEEL CONDUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SIM	SIMILAR
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATION
SSBJ	SUPPLY SIDE BONDING JUMPER
ST	SHUNT TRIP
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SD	SMOKE DAMPER
TS	TAMPER SWITCH
TR	TAMPER RESISTANT
TVSS	TRANSIENT VOLT SURGE SUPPRESSOR
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
USB	UNIVERSAL SERIAL BUS TYPE DEVICE
V	VOLTS
VA	VOLT AMPS
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WG	WIRE GUARD
WP	WEATHERPROOF
WPD	WEATHERPROOF DEVICE - IN USE
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

ELECTRICAL SYMBOLS

REFER TO TECHNOLOGY/ COMMUNICATION, FIRE ALARM, AUDIO VISUAL, SECURITY, AND NURSE CALL SYMBOLS LIST FOR ADDITIONAL INFORMATION.

(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)

(NOTE: '###' INDICATES DIMENSION HEIGHT TO CENTER OF DEVICE ABOVE FINISHED FLOOR. IN GENERAL, ALL RECEPTACLES ARE TO BE +18" UNLESS NOTED OTHERWISE.)

*** LIGHTING FIXTURES ***

- CEILING FIXTURE
- FIXTURE - WALL MOUNTED
- LINEAR FIXTURE - WALL MOUNTED
- STRIP FIXTURE
  - = SUSPENDED FIXTURE
- STRIP FIXTURE - WALL MOUNTED
- POLE AND LUMINAIRE, ARROW INDICATES AIMING
- POLE AND TWO LUMINAIRE, ARROWS INDICATE AIMING
- POST TOP LUMINAIRE
- FLOOD LIGHT - GROUND MOUNTED
- BOLLARD ON CONCRETE BASE
- FLOOD LIGHT - IN GROUND

*** RACEWAYS ***

- SURFACE RACEWAY - CONDUIT UNLESS NOTED OTHERWISE
- CONDUIT CONCEALED IN WALL OR CEILING
- CONDUIT CONCEALED IN FLOOR OR UNDERGROUND
- HOME RUN TO PANELBOARD - NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS
- WW WIREWAY
- MULTI-OUTLET RACEWAY AS NOTED (X1) INFO. JACK, SPECIAL RCPT, DUPLEX RCPT
  - = FEED POINT / JUNCTION BOX
  - GENERAL NOTE: BOXED DEVICES INDICATE RACEWAY MOUNTED

*** WIRING DEVICES ***

TYPICAL DEVICE CLASSIFICATION:

GFI	- INDICATES GROUND FAULT INTERRUPTER DEVICE
IG	- INDICATES ISOLATED GROUND DEVICE
TR	- INDICATES TAMPER RESISTANT DEVICE
USB	- INDICATES USB TYPE DEVICE
WP	- INDICATES DEVICE WITH WEATHERPROOF BOX/FLIPCOVER
WPD	- INDICATES DEVICE WITH WEATHERPROOF BOX/CORD AND PLUG COVER

- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE - MOUNTED 8" ABOVE COUNTERTOP OR 4"ABOVE BACKSPLASH
- DOUBLE DUPLEX RECEPTACLE - MOUNTED 8" ABOVE COUNTERTOP OR 4" ABOVE BACKSPLASH
- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE - IN CEILING
- OUTLET BOX WITH SPECIAL DEVICE AS NOTED
- SINGLE POLE WALL SWITCH
  - 3 - INDICATES 3 WAY SWITCH
  - 4 - INDICATES 4 WAY SWITCH
  - K - INDICATES KEY SWITCH
  - M - INDICATES MOMENTARY SWITCH
  - PIL - INDICATES PILOT LIGHT
  - T - INDICATES TIME SWITCH
- LIGHT DIMMER
- PUSHBUTTON
- LIGHTING CONTROL STATION
- ANY WIRING DEVICE WITH THIS SYMBOL INDICATES SURFACE MOUNTED OUTLET BOX
- PSX(x) PHOTO SENSOR - WALL MOUNTED
  - X - INDICATES TYPE. SEE LIGHTING CONTROL DEVICE SCHEDULE
  - x - INDICATES SWITCH ZONE. IF APPLICABLE

*** EQUIPMENT ***

- XX / ## | XX / ## | # / ## EQUIPMENT PLAN MARK PER SCHEDULE
  - XX - EQUIPMENT DESIGNATION
  - ## - EQUIPMENT NUMBER
- MOTOR OUTLET AND CONNECTION
- E EQUIPMENT CONNECTION
- E EQUIPMENT CONNECTION - WALL MOUNTED
- SAFETY DISCONNECT SWITCH
- SURFACE BRANCH CIRCUIT PANELBOARD
- FLUSH BRANCH CIRCUIT PANELBOARD
- POWER DISTRIBUTION PANELBOARD
- SPECIAL CABINET AS NOTED - SURFACE MOUNTED
- SPECIAL CABINET AS NOTED - RECESSED MOUNTED
- GROUND BAR
- TRANSFORMER
- CLEAR X EQUIPMENT EQUIPMENT SERVICE CLEARANCE

*** SCHEMATIC RISER DIAGRAM ***

- FEEDER INSTALLATION - LINE VOLTAGE
- FEEDER INSTALLATION - LOW VOLTAGE
- XX NEW FEEDER/CONDUIT PER SCHEDULE
- XX EXISTING FEEDER / CONDUIT PER SCHEDULE
- SAFETY SWITCH/MOTOR DISCONNECT
- T-# / KVA TRANSFORMER - OIL FILLED
- T-# / KVA TRANSFORMER - DRY TYPE
- M METER
- PB PULL BOX
- JB JUNCTION BOX
- PANEL OR AS NOTED
- SWITCHBOARD
- SPD SURGE PROTECTION DEVICE
- GROUND
- FUSE
- XXX/x CIRCUIT BREAKER
  - XXX - INDICATES TRIP RATING
  - x - INDICATES NUMBER OF POLES
- FUSIBLE DISCONNECT SWITCH

GENERAL ELECTRICAL NOTES:

1. REFER TO THE PROJECT MANUAL AND STANDARD DETAILS FOR MORE DETAILED INFORMATION FOR THESE ITEMS AND FOR ALL OTHER MATERIALS AND CONSTRUCTION METHODS REQUIRED.
   a. ALL CONDUITS, JUNCTION BOXES, WIRING, EQUIPMENT, ETC. TO BE PROPERLY LABELED.
   b. PROVIDE GREEN GROUND CONDUCTOR THROUGHOUT ENTIRE ELECTRICAL SYSTEM.
   c. ALL CIRCUITS SHALL HAVE DEDICATED NEUTRALS, WHEN REQUIRED, TO MEET NEC WITHOUT HAVING HANDLE TIES. SHARED NEUTRALS ARE NOT ALLOWED.
2. DRAWINGS ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK, AND TO INDICATE THE GENERAL LOCATIONS OF EQUIPMENT AND SOME FEEDERS. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LAYOUT THEIR OWN WORK ACCORDING TO THE FOLLOWING GUIDELINES:
   a. COORDINATE DEVICE LOCATIONS AND HEIGHTS WITH CITY OF MADISON PARKS DEPARTMENT PRIOR TO ROUGH IN.
   b. CONTRACTOR SHALL INSTALL EQUIPMENT PER CLEARANCES LISTED IN NEC.
3. ALL ELEMENTS OF THE CONSTRUCTION SHALL BE PERFORMED BY TRADES PEOPLE SKILLED IN THE PARTICULAR CRAFT INVOLVED, AND REGULARLY EMPLOYED IN THAT PARTICULAR CRAFT. ALL WORK SHALL BE PERFORMED IN A NEAT, PROFESSIONAL MANNER IN KEEPING WITH THE HIGHEST STANDARDS OF THE CRAFT.
4. PROVIDE UPDATED TYPEWRITTEN CIRCUIT DIRECTORIES AT ALL EXISTING PANELBOARDS WITH NEW OR MODIFIED CIRCUITS.
5. ANY WORK REQUIRING POWER INTERRUPTION TO OCCUPIED AREAS SHALL BE SCHEDULED WITH THE OWNER.
6. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL PARTS OF THE SITE THAT WERE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION.
7. ALL DISTURBED AND UNPAVED AREAS SHALL BE RESTORED IN KIND TO LAWN OR LANDSCAPE AREAS. LAWN AREAS SHALL BE SEEDED OR SODDED AND PROTECTED FROM EROSION WHILE BECOMING ESTABLISHED. DISCUSS THE REQUIRED MAINTENANCE AND WATERING RESPONSIBILITIES WITH THE CITY OF MADISON PARKS REPRESENTATIVE. USE GRASSES AND PLANTING THAT WILL TOLERATE THE PLANTING LOCATION AND MINIMIZE MAINTENANCE.
8. INSTALLATION OF THE COURT LIGHTING SYSTEM IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. PROVIDE ALL REQUIRED HOISTING, RIGGING, PERMITTING, ETC. REQUIRED FOR LIFTING LIGHT POLES AND ASSOCIATED EQUIPMENT INTO PLACE.
9. ELECTRICAL CONTRACTOR SHALL PROTECT THE PLAYING SURFACE FROM DAMAGE. ANY DAMAGE RESULTING FROM INSTALLATION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

ELECTRICAL DEMOLITION KEYED NOTES

ELECTRICAL KEYED NOTES

TENNIS COURT LIGHTING SYSTEM RESPONSIBILITY MATRIX

DESCRIPTION	SUPPLIED BY	INSTALLED BY	WIRED BY
POLE FOUNDATIONS	MUSCO	EC	EC
EXCAVATION, TRENCHING, BACKFILL, RESTORATION	EC	EC	--
LIGHT FIXTURES AND POLE FITTERS	MUSCO	EC	EC
POLE MOUNTED DRIVER ENCLOSURES	MUSCO	EC	EC
INTERNAL POLE WIRING HARNESS: DRIVER TO LIGHT	MUSCO	EC	EC
LIGHTING CONTROL AND CONTACTOR CABINET	MUSCO	EC	EC
HORIZONTAL DIRCTIONAL DRILLING	EC	EC	EC
UNDERGROUND RACEWAY AND WIRING	EC	EC	EC
HAND HOLES	EC	EC	EC

GENERAL NOTES:

1. INSTALLATION RESPONSIBILITIES INCLUDES ALL REQUIRED RIGGING, HOISTING, PERMITTING, ETC. FOR COMPLETE INSTLLATION.

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CONSULTANTS

OWNER

CITY OF MADISON

PROJECT NAME

WORTHINGTON PARK FUTSAL COURT LIGHTING

PROJECT NUMBER: 25099
DRAWN: DRH
CHECKED: BJB

ISSUE DATE AND DESCRIPTION

11.26.2025 CONSTRUCTION DOCUMENTS

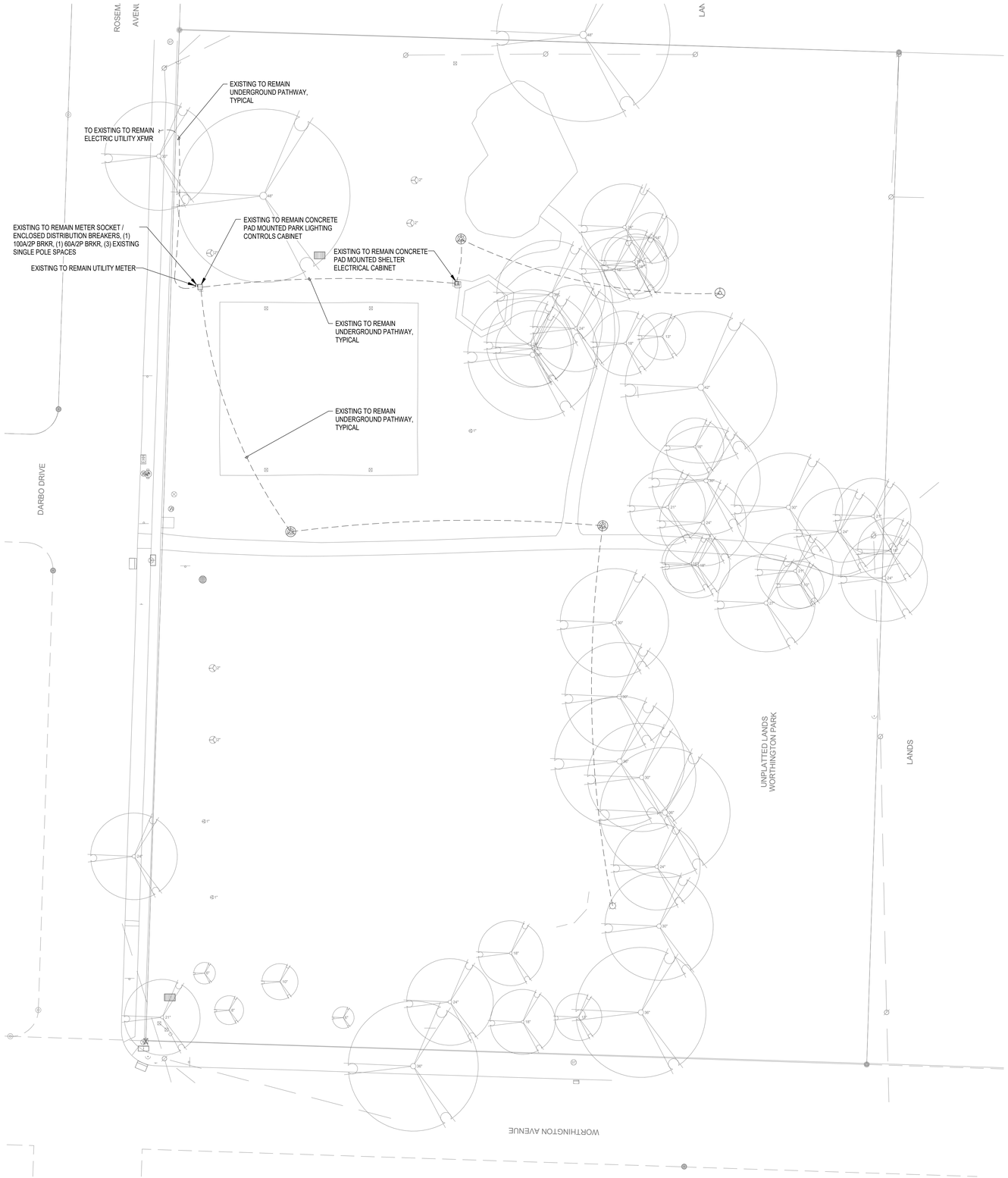
KEY PLAN

N

SHEET TITLE

ELECTRICAL NOTES AND SYMBOLS

E000



1 ELECTRICAL SITE DEMOLITION PLAN
1" = 30'-0"

KEYED NOTES

DEMOLITION KEY	
	TO REMAIN
	TO BE REMOVED / REVISED
	EQUIPMENT TO REMAIN
	EQUIPMENT TO BE REMOVED / REVISED

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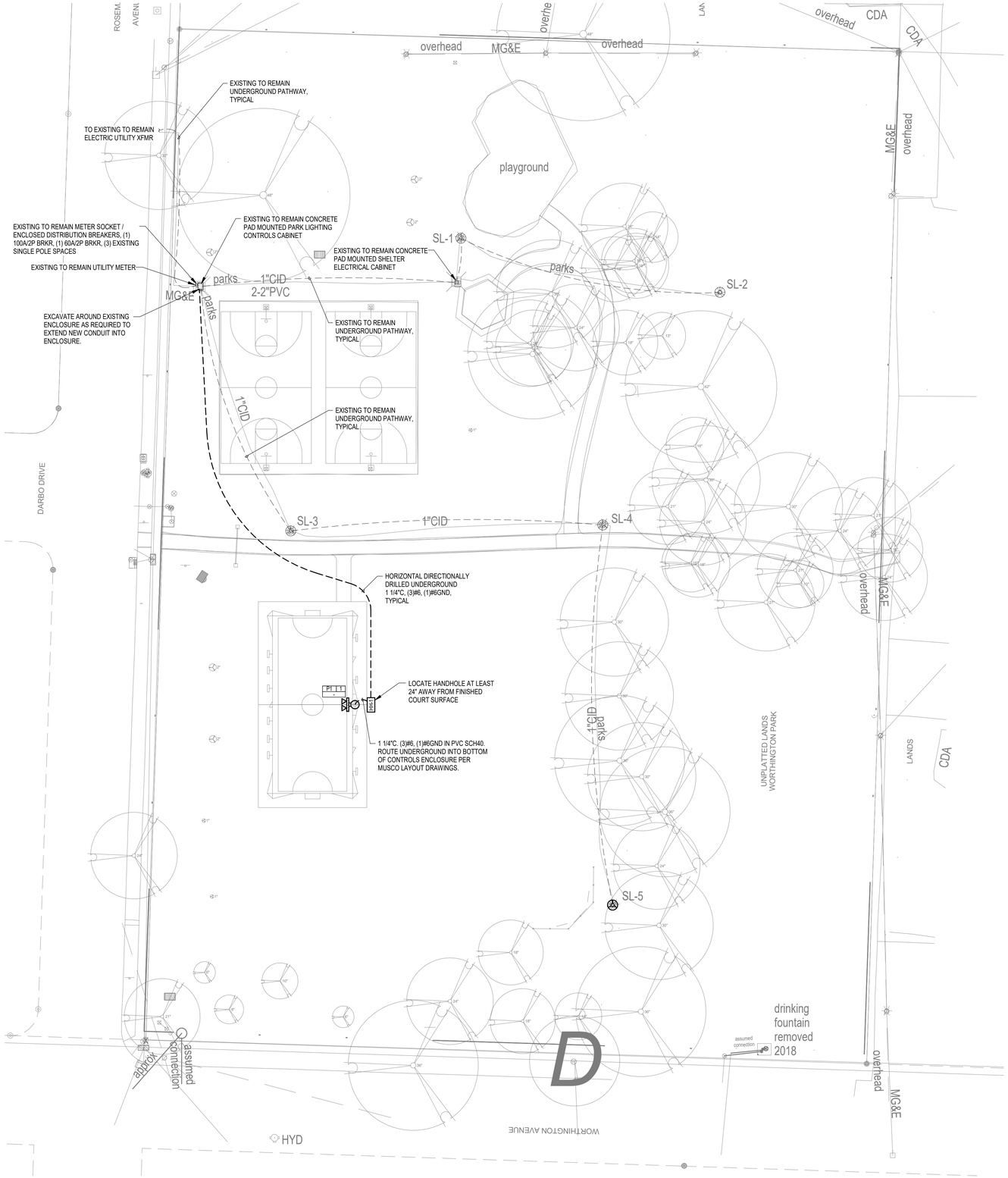
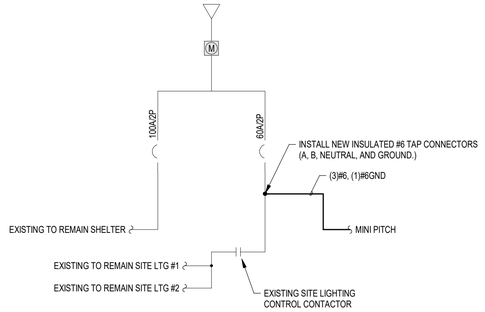
ELECTRICAL SITE DEMOLITION PLAN

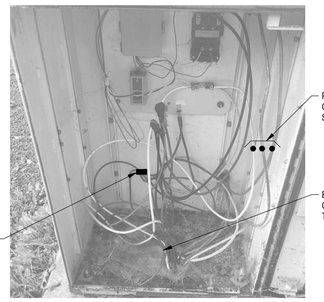
ED100



1 ELECTRICAL SITE PLAN
1" = 30'-0"



2 ELECTRICAL SCHEMATIC DIAGRAM
NOT TO SCALE



3 EXISTING PARK LIGHTING CONTROLS CABINET TAP DETAIL
NOT TO SCALE

KEYED NOTES

NEW WORK KEY
EXISTING
NEW / REVISED
EXISTING EQUIPMENT
NEW / REVISED EQUIPMENT

LIGHTING/SWITCHING KEY

LIGHTING

FIXTURE TYPE PER SCHEDULE — XXXX ##x — SWITCHING ZONE (a,b,c...) — LIGHTING CONTROLS OPERATION SEQUENCE (0,1,2...) PER DETAILS SHEETS — CIRCUIT DATA: PANEL NAME-CIRCUIT NUMBER (XXXX-###) OR CIRCUIT NOTE (E-#)

EM: EMERGENCY FIXTURE
LS: LIFE SAFETY
CR: CRITICAL
NL: NIGHT LIGHT

COORDINATE CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN

SWITCHING

#X(x,x) - LIGHTING CONTROL STATION

#X - INDICATES SWITCH CONTROLS, REFER TO LIGHTING CONTROL STATION CONFIGURATION DETAIL
(x,x) - INDICATES SWITCHING ZONE(S)
+##" - DIMENSION INDICATES HEIGHT TO CENTER OF SWITCH ABOVE FINISH FLOOR (+46" TO CENTER IF NOT SHOWN)

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ELECTRICAL SITE PLAN

E100

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SPORTS LIGHT FIXTURE SCHEDULE

PLAN MARK	MANUFACTURERS AND MODEL NUMBERS	DESCRIPTION	LAMPS IN FIXTURE QTY.	LAMPS IN FIXTURE SIZE/TYPE	DRIVER QTY.	LUMENS PER FIXTURE	COLOR (K)	MOUNTING HEIGHT	AIMING ZONE	CONTROL PNL CONTACTOR #	TOTAL WATTAGE	VOLTS	FIXTURE MOUNTING	NOTES
P1	MUSCO TOTAL LIGHT CONTROL (TLC),	MULTI-HEAD SPORTS LIGHTER WITH 24' POLE	2	TLC-LED-550	2	67,000	5700	24'	FUTSAL COURT	-	1080		POLE	
			-	-	-	-	-	-	-	-	-			
			-	-	-	-	-	-	-	-	-			

KEY:
PS =PROGRAMMED RAPID START
IS =INSTANT START
ND =NON-DIMMED
0-10 =0-10V DIMMED
3W =3 WIRE DIMMED
DA =DIGITAL ADDRESSABLE
BF =BALLAST FACTOR
NA =NOT APPLICABLE

NOTES:
1. GENERAL ITEMS:
   A. REFER TO MUSCO DRAWINGS FOR ADDITIONAL INFORMATION.

LIGHTING CONTROL SEQUENCE OF OPERATION

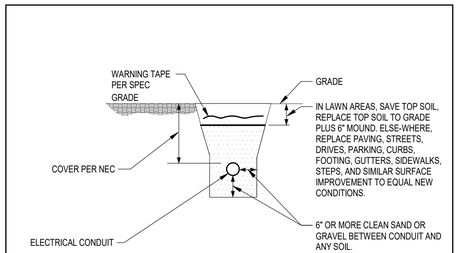
OPERATION SEQUENCE	LIGHT LEVEL SET POINT	TIME DELAY	LIGHTING SEQUENCE TRIGGER ON	LIGHTING SEQUENCE DAY LIGHT CONTROLS	LIGHTING SEQUENCE TRIGGER OFF	RECEPTACLE CONTROL	HVAC INTEGRATION	NOTES
1	N/A	N/A	MUSCO LIGHTING CONTROL CABINET	N/A	MUSCO LIGHTING CONTROL CABINET	N/A	N/A	SPORTS LIGHTING CONTROL CABINET SHALL BE PROGRAMMABLE ON/OFF (VIA CELLULAR INTERNET) FOR SCHEDULED EVENTS PER ZONE. OVERRIDE PUSHBUTTON(S) WHERE INIDICATED ON PLANS SHALL BE AVAILABLE OUTSIDE THE TIME OF SCHEDULED EVENTS. PUSHBUTTON OVERRIDE SHALL TIMEOUT AFTER 2.5 HOURS. PUSHBUTTON OVERRIDE FUNCTION SHALL BE DISABLED AT CUREFEW PER CITY STANDARDS. COORDINATE EXACT TIME SETTINGS WITH OWNER. SEE CONTROLS MANUFACTURE (MUSCO) FOR RECOMMENDED OPERATIONS. REFER TO SPORTS LIGHT FIXTURE SCHEDULE FOR FIXTURE HEAD AIMING.

GENERAL NOTES:
A.
SPECIFIC NOTES:
1.

HAND HOLE SCHEDULE

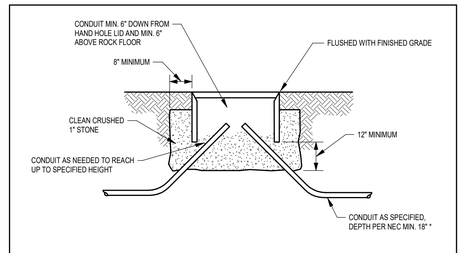
PLAN MARK	SIZE	DEPTH	TIER RATING	COVER IDENTIFICATION	QUAZITE SERIES	NOTES
HH-1	11"x18"	18"	15	ELECTRICAL	PG	

NOTES:
1. OPEN BOTTOM WITH MOUSE HOLES
2. REFER TO SPECIFICATION 26 05 33 RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS FOR ADDITIONAL INFORMATION



BACKFILL NOTES:
1. BACKFILL UNDER LAWN AREAS, SIDEWALKS, STEPS, ETC...
   A. USE CLEAN SAND OR CLAY.
   B. WATER COMPACT IN TWO OR MORE LAYERS.
2. BACKFILL UNDER ROADS, DRIVES, STREETS, PARKING, CURBS, GUTTERS, AND ETC...
   A. CONTINUE BACKFILL 3'-0" BEYOND EACH END.
   B. USE CLEAN SAND OR CLAY.
   C. WATER COMPACT IN MULTIPLE 6" LAYERS.

CROSS SECTION OF CONDUIT TRENCH
E115-03



TYPICAL HAND HOLE INSTALLATION DETAIL FOR ELECTRICAL
E115-24

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KEY PLAN

N

SHEET TITLE

ELECTRICAL SCHEDULES AND DETAILS

E500