









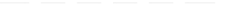






















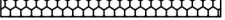





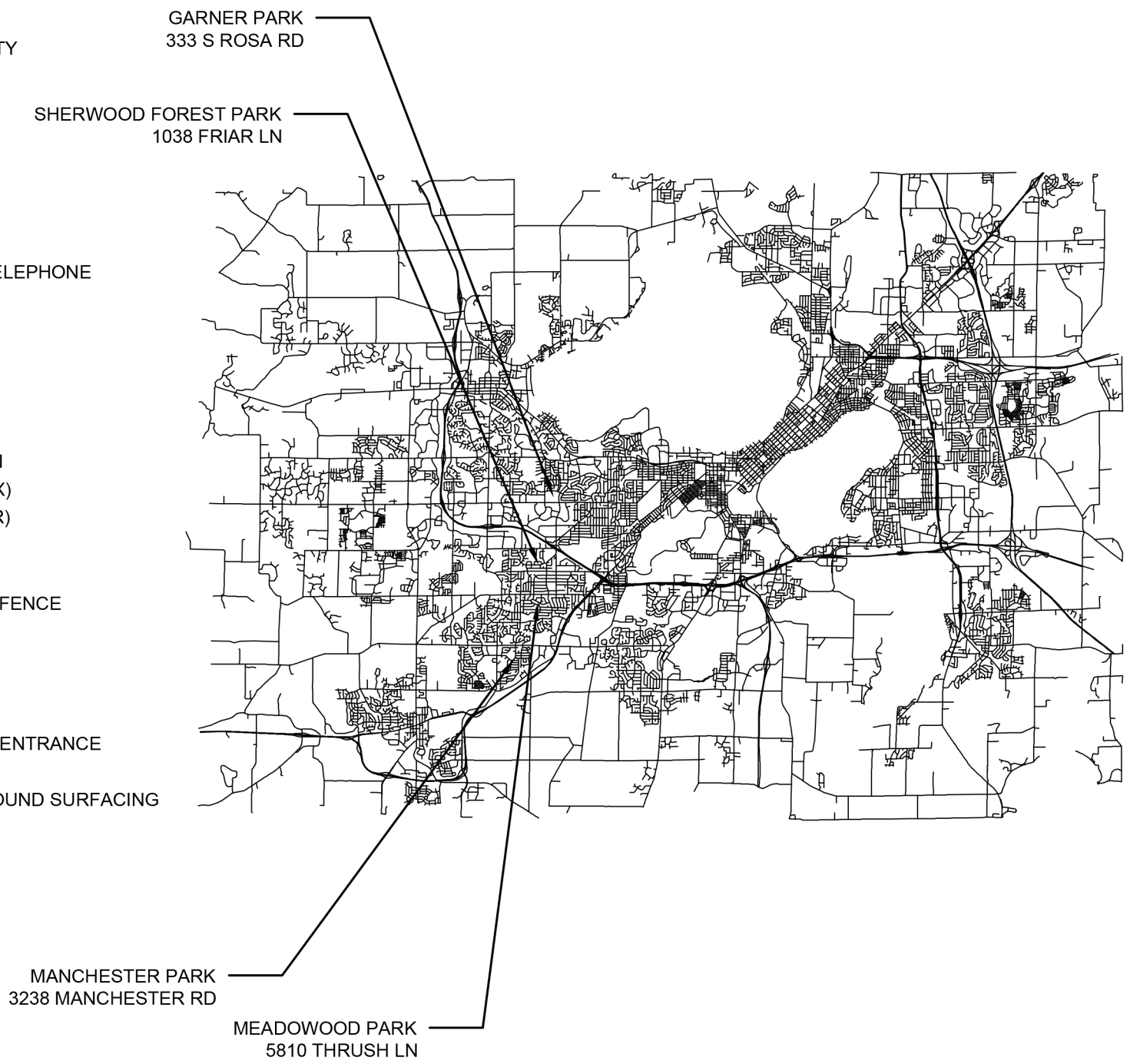
LEGEND

-  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. GRADING LIMITS
-  PRO. SILT SOCK
-  PRO. CONSTRUCTION FENCE
-  PRO. DRAINTILE
-  PRO. ASPHALT
-  PRO. WOOD MULCH
-  PRO. CONCRETE
-  PRO. CONSTRUCTION ENTRANCE
-  REMOVE EX. TOPSOIL
-  REMOVE EX. PLAYGROUND SURFACING

2024 PLAYGROUND IMPROVEMENTS

MUNIS NUMBERS:

15053-51-130, 15109-51-130, 15137-51-130
& 15149-51-130



DESIGNED BY:



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



SHEET SCHEDULE

1 GARNER PARK	
1.1 Project Location and Site Access	
1.2 Existing Conditions	
1.3 Demolition and Site Plan	
1.4 Demolition and Site Plan	
1.5 Site Plan	
1.6 Grading and Erosion Control Plan	
1.7 Design Computations	
2 MANCHESTER PARK	
2.1 Project Location and Site Access	
2.2 Existing Conditions	
2.3 Demolition and Site Plan	
2.4 Site Plan	
2.5 Grading and Erosion Control Plan	
2.6 Design Computations	
3 MEADOWOOD PARK	
3.1 Project Location and Site Access	
3.2 Existing Conditions	
3.3 Demolition and Site Plan	
3.4 Site Plan	
3.5 Grading and Erosion Control Plan	
3.6 Design Computations	
4 SHERWOOD FOREST PARK	
4.1 Project Location and Site Access	
4.2 Existing Conditions	
4.3 Demolition and Site Plan	
4.4 Site Plan	
4.5 Grading and Erosion Control Plan	
4.6 Design Computations	
5 DETAILS	
5.1 Details- Playground and Pavement Edge	

PROJECT:

2024 PLAYGROUND IMPROVEMENTS

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
ADVERTISED TO BID: KK	2024-06-13

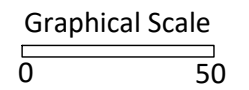
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
COVER SHEET

SHEET NUMBER:



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



PROJECT:

2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:

*GARNER PARK
 333 S ROSA RD.
 MADISON, WI 53705*

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
ADVERTISED TO BID	2024-06-13

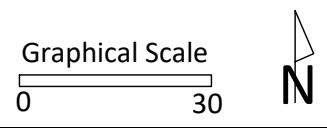
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
PROJECT LOCATION AND SITE ACCESS

SHEET NUMBER:
1.1



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



PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
**GARNER PARK
 333 S ROSA RD.
 MADISON, WI 53705**

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
ADVERTISED TO BID	2024-06-13

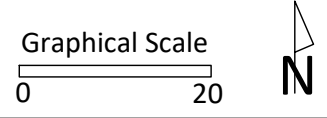
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
EXISTING CONDITIONS

SHEET NUMBER:
1.2



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



PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
*GARNER PARK
 333 S ROSA RD.
 MADISON, WI 53705*

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
ADVERTISED TO BID	2024-06-13

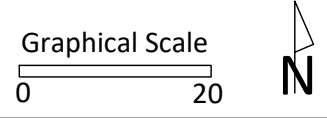
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
DEMOLITION AND SITE PLAN

SHEET NUMBER:
1.3



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



PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
**GARNER PARK
 333 S ROSA RD.
 MADISON, WI 53705**

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.

EM	DATE
ADVERTISED TO BID	2024-06-13

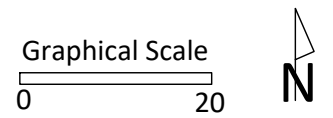
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
DEMOLITION AND SITE PLAN

SHEET NUMBER:
1.4

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:

*2024 PLAYGROUND
 IMPROVEMENTS*

PROJECT ADDRESS:

*GARNER PARK
 333 S ROSA RD.
 MADISON, WI 53705*

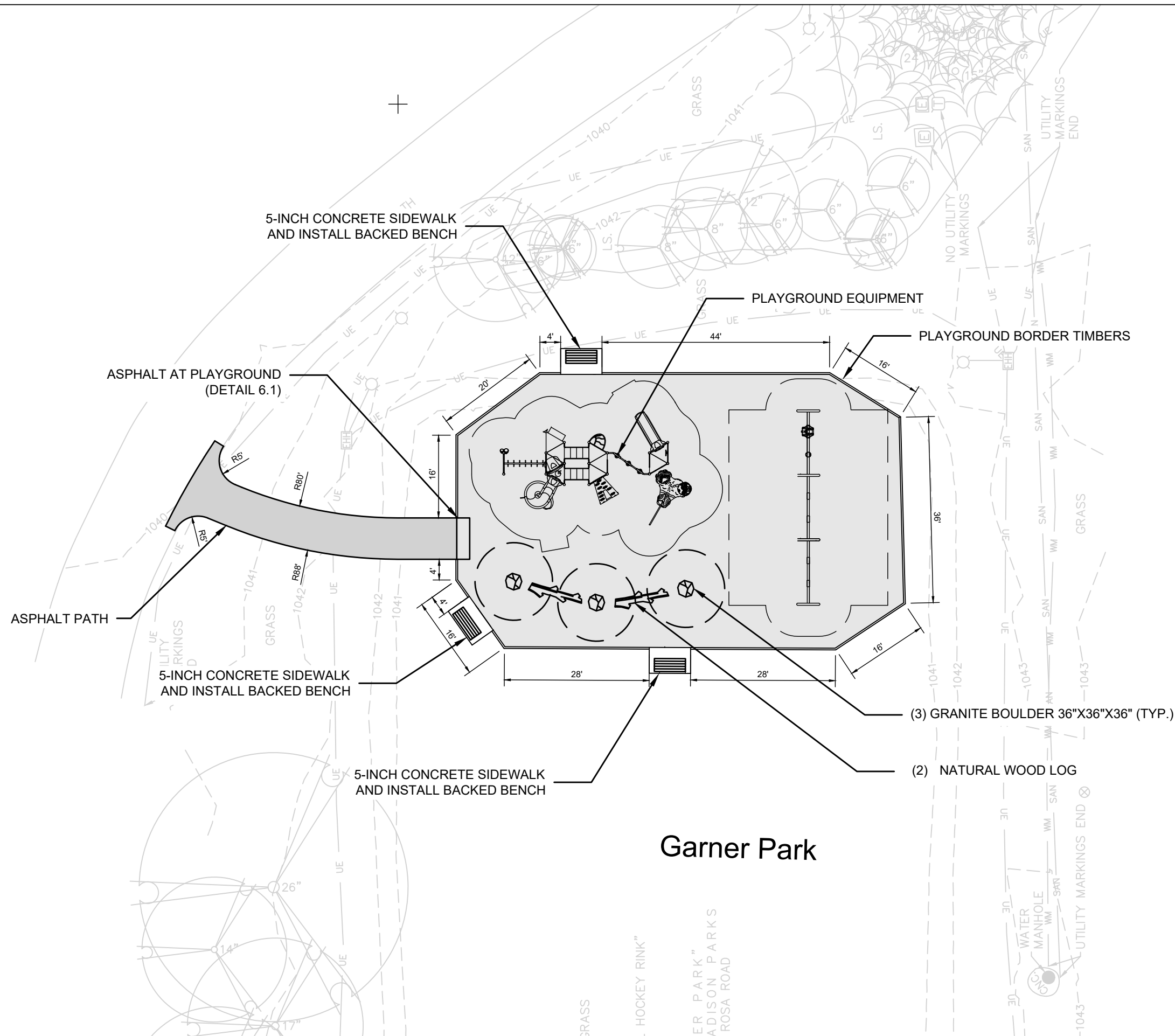
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

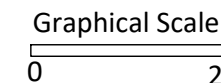
ITEM	DATE
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
1.5





PROJECT:

**2024 PLAYGROUND
 IMPROVEMENTS**

PROJECT ADDRESS:

**GARNER PARK
 333 S ROSA RD.
 MADISON, WI 53705**

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
ADVERTISED TO BID	2024-06-13

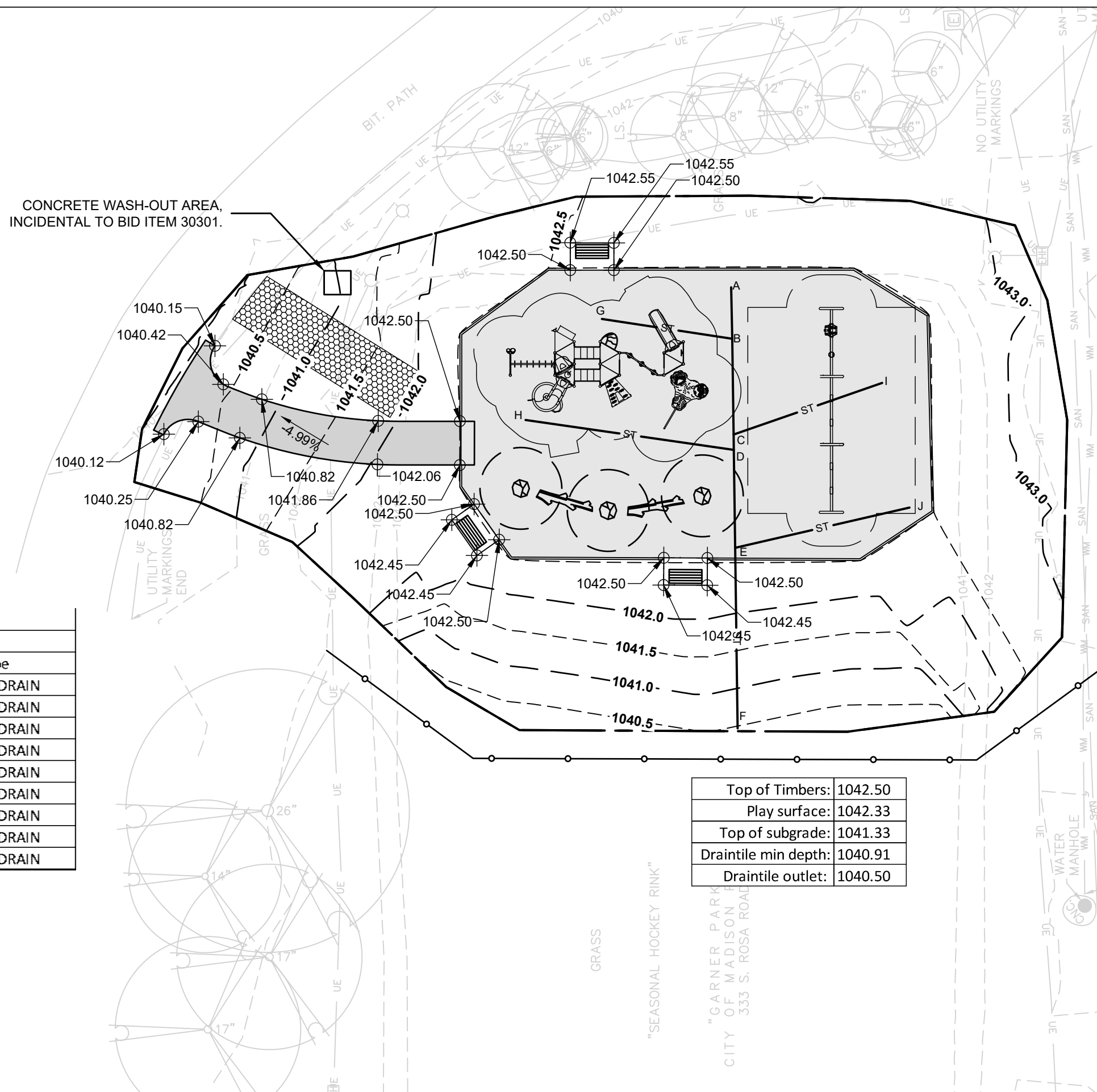
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
**GRADING AND
 EROSION CONTROL
 PLAN**

SHEET NUMBER:

1.6

CONCRETE WASH-OUT AREA,
 INCIDENTAL TO BID ITEM 30301.



Garner Park

Drain Tile Invert (Flowline) Elevations

Point	Invert(ft)	Distance from top of timbers 1042.5 (INCHES)
A	1040.91	-19.08
B	1040.86	-19.68
C	1040.77	-20.76
D	1040.76	-20.88
E	1040.67	-21.96
F	1040.50	-24.00
G	1040.91	-19.08
H	1040.91	-19.08
I	1040.91	-19.08
J	1040.91	-19.08

Drain Tile Lengths & Slopes

from intersection to intersection

From	To	Length (ft)	Slope (%)	Pipe type
A	B	9.4	-0.53%	UNDERDRAIN
B	C	17.6	-0.51%	UNDERDRAIN
C	D	2.8	-0.36%	UNDERDRAIN
D	E	17.9	-0.50%	UNDERDRAIN
E	F	33.1	-0.79%	UNDERDRAIN
G	B	24	-0.21%	UNDERDRAIN
H	D	38.5	0.39%	UNDERDRAIN
I	C	28.2	-0.50%	UNDERDRAIN
J	E	32.5	-0.74%	UNDERDRAIN
Total		204	liner ft.	

NOTES

- SEE SHEET 1.6 FOR DRAIN TILE SCHEDULES.
- ALL DISTURBED AREAS SHALL RECEIVE CLASS I, URBAN TYPE A EROSION CONTROL MATTING.

Garner Park Playground - Earthwork Quantities

City of Madison, WI Public Works Contract
Date Revised: 5/7/2024

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.

Garner Park Playground - Earthwork Quantities

City of Madison, WI Public Works Contract
Date Revised: 5/7/2024

Derived from more detailed spreadsheet available from Parks Div

Computation Summary

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

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 6in topsoil	n/a	n/a	8372	0.50	4186	155.0	0%	155.0
	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	8372	varies	491	18.2	0%	18.2
	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	8372	varies	-5010	-185.6	0%	-185.6
	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	8372	-0.50	-4186	-155.0	0%	-155.0
n/a	Grass to Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	464	0.50	232	8.6	0%	8.6
n/a	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	464	varies	230	8.5	0%	8.5
n/a	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	464	varies	-105	-3.9	0%	-3.9
n/a	Grass to Asphalt	Gravel (for Pavement) Place	Place 9in gravel base out to 6in from pavement edge	n/a	n/a	464	-0.75	-348	-12.9	0%	-12.9
n/a	Grass to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	464	-0.25	-116	-4.3	0%	-4.3
	Grass to Timbers	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	73	0.50	37	1.4	0%	1.4
	Grass to Timbers	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	73	-0.50	-37	-1.4	0%	-1.4
	Grass to Timbers	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	73	0.00	0	0.0	0%	0.0
	Grass to Timbers	Border Timbers Place (placeholder volume)	Place playground border timbers (placeholder volume to balance volume comps)	n/a	n/a	73	-1.00	-73	-2.7	0%	-2.7
	Grass to Playsurface	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	4261	0.50	2131	78.9	0%	78.9
	Grass to Playsurface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	4261	varies	25	0.9	0%	0.9
	Grass to Playsurface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	4261	varies	-4915	-182.0	0%	-182.0
	Grass to Playsurface	Play Surface Place	Place 12in wood mulch play surface	n/a	n/a	4261	-1.00	-4261	-157.8	0%	-157.8
	Play Surface to Grass	Play Surface Excavate	Remove existing play surface, estimated depth 12in	n/a	n/a	2333	1.00	2333	86.4	0%	86.4
	Play Surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-6in	2333	-0.50	-1167	-43.2	0%	-43.2
	Play Surface to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	2333	-0.50	-1167	-43.2	0%	-43.2
	Grass to Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	120	0.50	60	2.2	0%	2.2
	Grass to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-11in	120	varies	0	0.0	0%	0.0
	Grass to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-11in	120	varies	-190	-7.0	0%	-7.0
	Grass to Concrete	Gravel (for Pavement) Place	Place 6in gravel base	n/a	n/a	120	-0.50	-60	-2.2	0%	-2.2
	Grass to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	120	-0.42	-50	-1.8	0%	-1.8

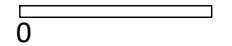
Row Labels	Sum of Unfac-tored volume (cu yd)
Asphalt Place	-4.3
Border Timbers Place (placeholder volume)	-2.7
Gravel (for Pavement) Place	-15.1
Play Surface Excavate	86.4
Play Surface Place	-157.8
Subsoil Excavate	27.6
Subsoil Place	-423.1
Topsoil Excavate	246.1
Topsoil Place	-198.2
Concrete Place	-1.8
Grand Total	-443.0

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	274	CY	= Subsoil Excavate + Topsoil Excavate
20104 Excavation Cut - Pea Gravel/Rubber Mulch	86	CY	= Play Surface Excavate
20202 Fill Borrow	395	CY	= Subsoil Excavate - Subsoil Place
20221 Topsoil	1187	SY	= Topsoil Place/ .167 (depth)
40102 Crushed Aggregate Base Course Gradation No. 2	30.2	TONS	= (Gravel Place) * 2.0 ton/cubic yard
40202 HMA Pavement 4 LT 58-28 S	9.3	TONS	= Asphalt Place * 2.16 ton/cubic yard
90004 - Playground Surfacing - Wood Mulch	174	CY	= Play Surface Place*1.10

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



Graphical Scale



PROJECT:

2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:

**GARNER PARK
333 S ROSA RD.
MADISON, WI 53705**

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
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

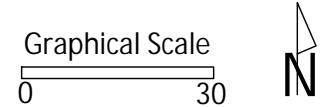
SHEET TITLE:
DESIGN COMPUTATIONS

SHEET NUMBER:
1.7



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:
**2024 PLAYGROUND
 IMPROVEMENTS**

PROJECT ADDRESS:
**MANCHESTER PARK
 3238 MANCHESTER
 RD
 MADISON, WI 53719**

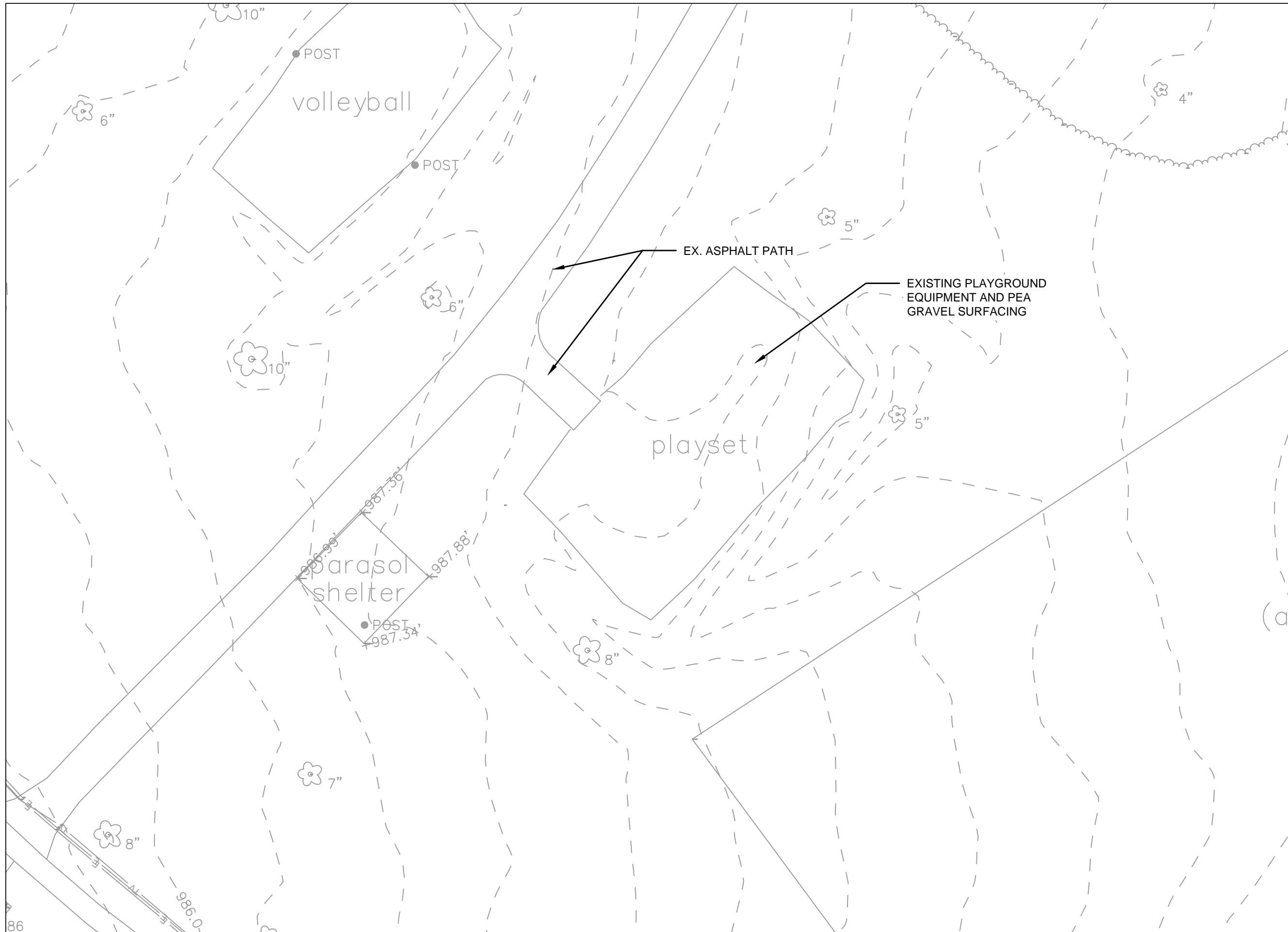
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

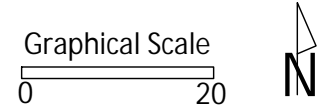
SHEET TITLE:
**PROJECT LOCATION AND
 SITE ACCESS**

SHEET NUMBER:
2.1



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:
**2024 PLAYGROUND
 IMPROVEMENTS**

PROJECT ADDRESS:
**MANCHESTER PARK
 3238 MANCHESTER
 RD
 MADISON, WI 53719**

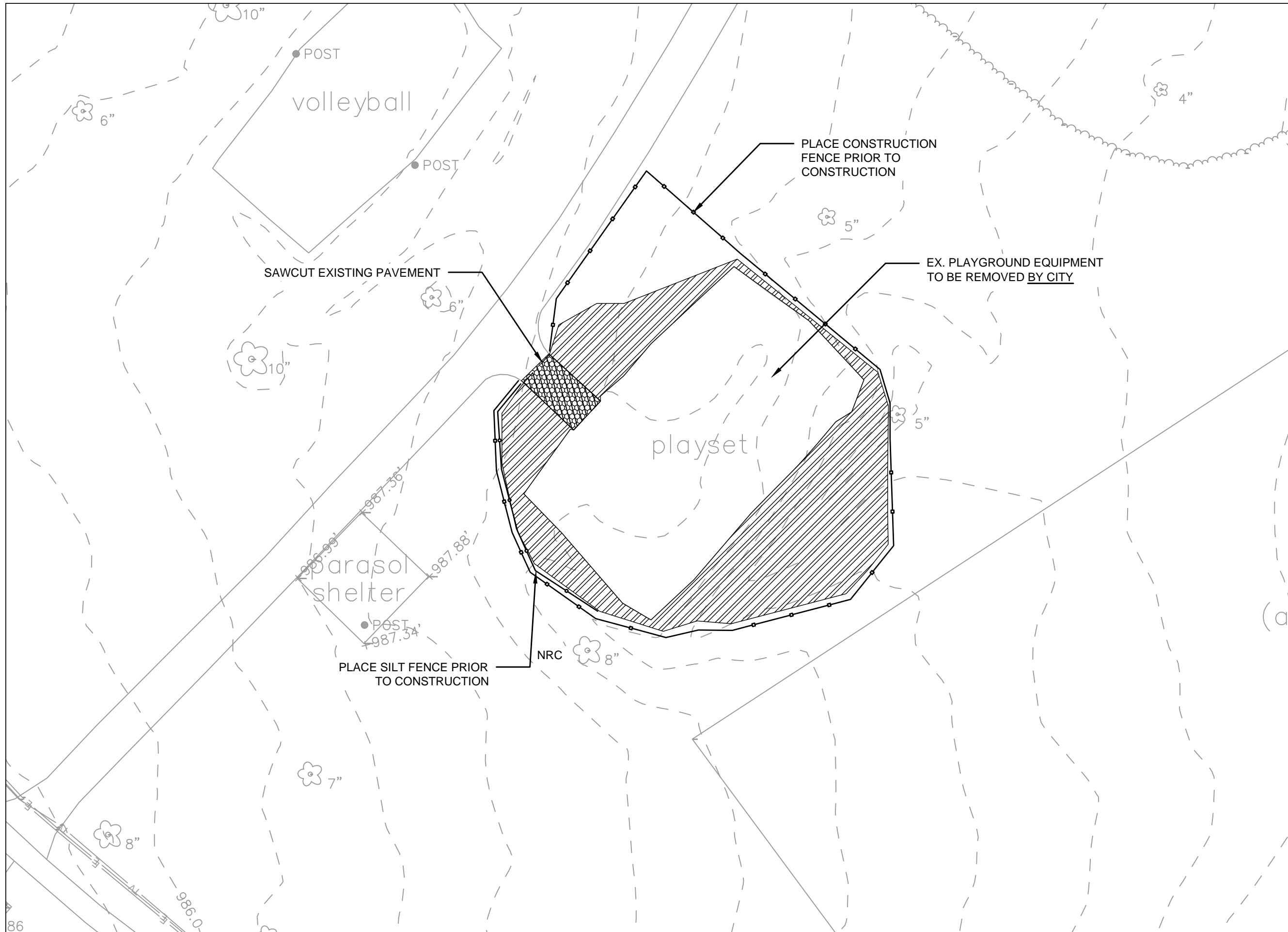
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

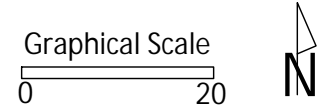
SHEET TITLE:
EXISTING CONDITIONS

SHEET NUMBER:
2.2



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:
**2024 PLAYGROUND
 IMPROVEMENTS**

PROJECT ADDRESS:
**MANCHESTER PARK
 3238 MANCHESTER
 RD
 MADISON, WI 53719**

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
ADVERTISED TO BID	2024-06-13

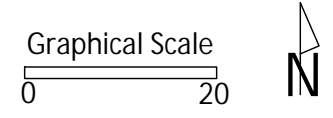
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
**DEMOLITION AND
 PROTECTION PLAN**

SHEET NUMBER:
2.3

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:

*2024 PLAYGROUND
 IMPROVEMENTS*

PROJECT ADDRESS:

*MANCHESTER PARK
 3238 MANCHESTER
 RD
 MADISON, WI 53719*

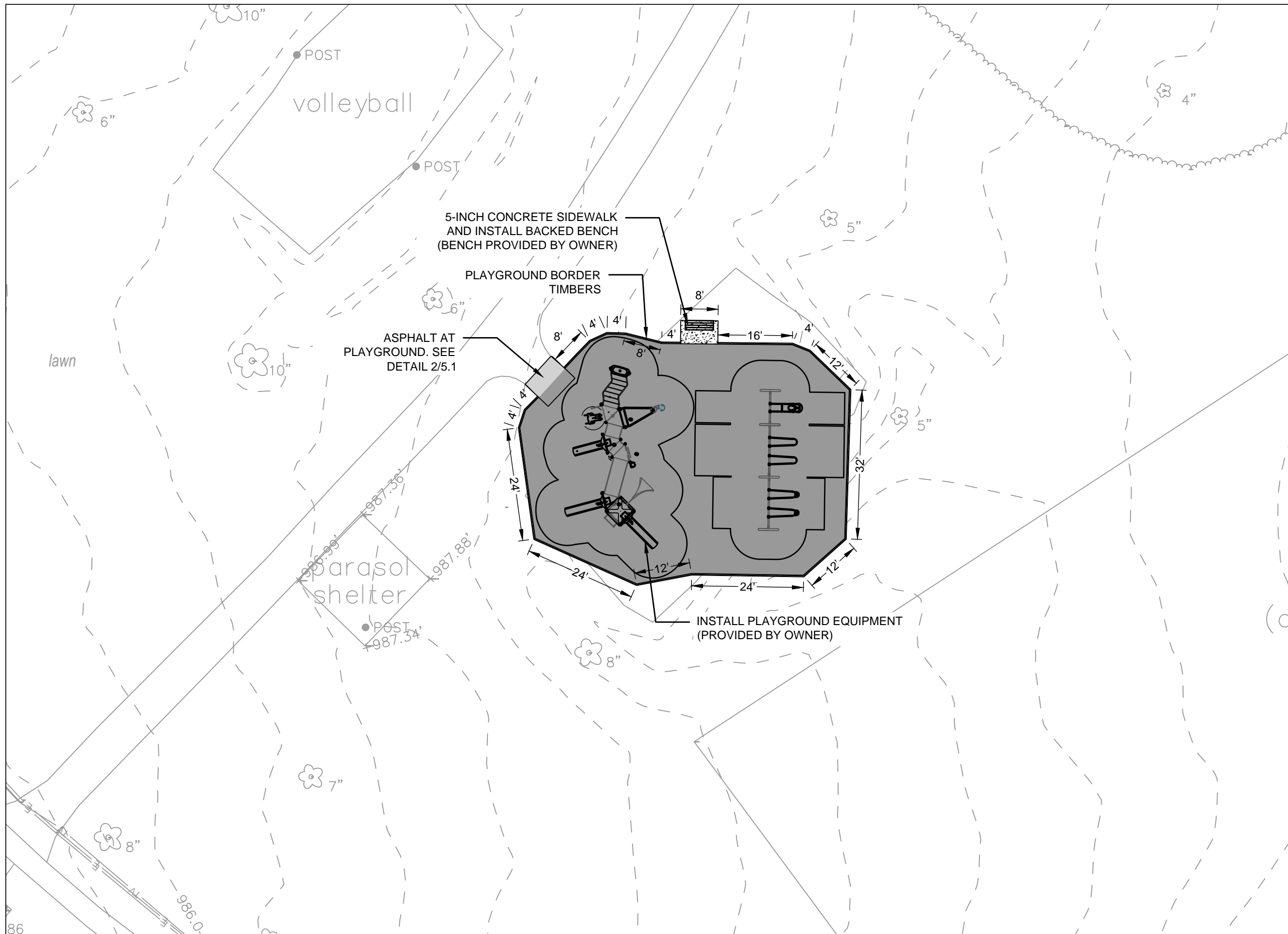
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

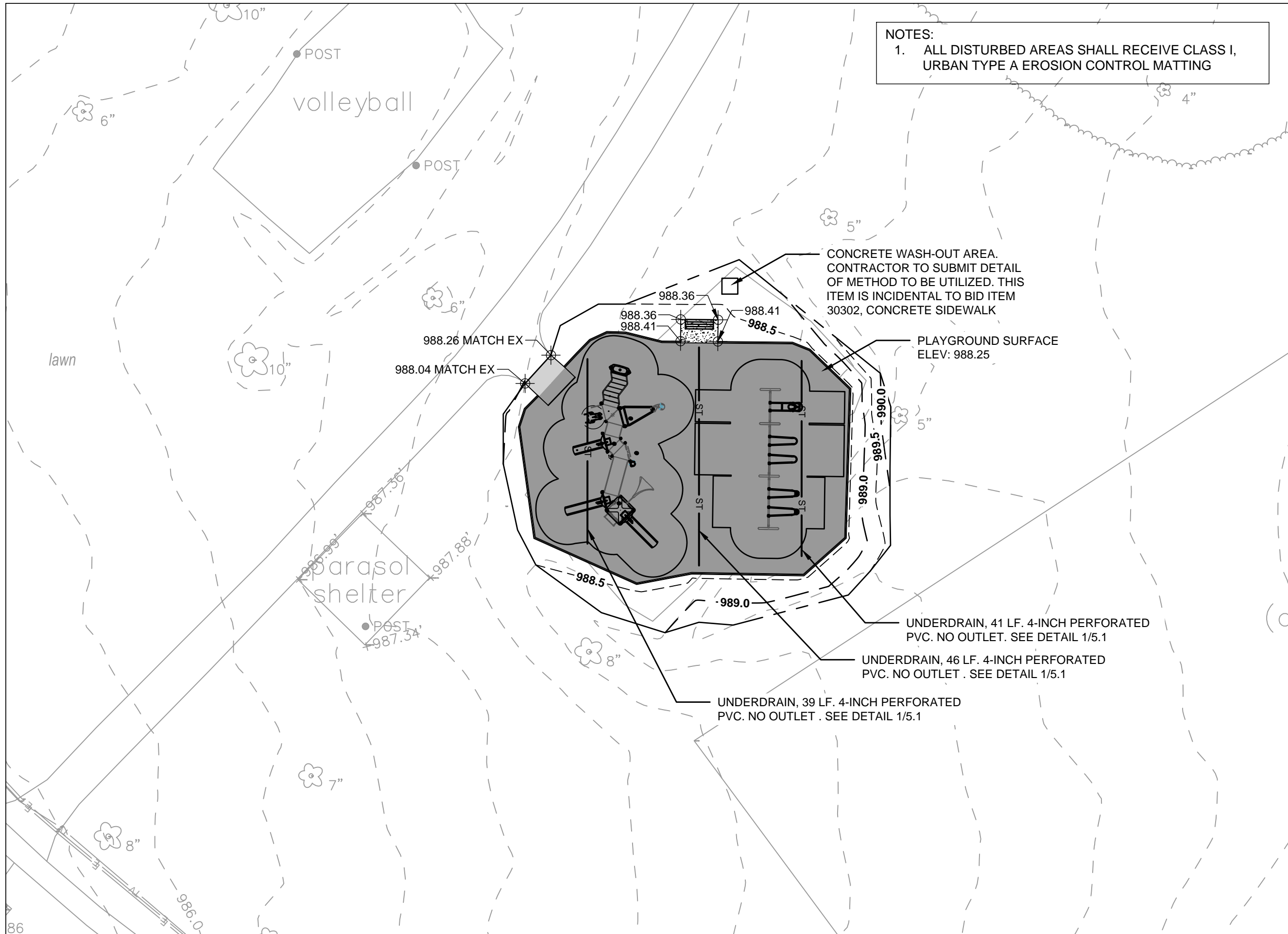
ITEM	DATE
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
SITE PLAN

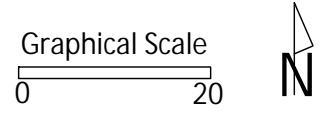
SHEET NUMBER:
2.4





NOTES:
 1. ALL DISTURBED AREAS SHALL RECEIVE CLASS I, URBAN TYPE A EROSION CONTROL MATTING

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



PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
**MANCHESTER PARK
 3238 MANCHESTER RD
 MADISON, WI 53719**

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
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
GRADING PLAN

SHEET NUMBER:
2.5

Manchester Park Playground - Earthwork Quantities												
City of Madison, WI Public Works Contract												
Date Revised: 05-23-2024												
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 2024 Manchester PG Existing Surface.dwg												
Proposed 2024 Manchester PG_Grading.dwg												
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	Asphalt to Playsurface	Asphalt Excavate	Remove estimated 3in asphalt	n/a	n/a	91	0.25	23	0.8	0%	0.8	
1.2	Asphalt to Playsurface	Gravel (Clean) Excavate	Remove estimated 4in clean gravel base	n/a	n/a	91	0.33	30	1.1	0%	1.1	
1.3	Asphalt to Playsurface	Gravel (Dirty) Excavate	Remove estimated 2in mixed gravel/subsoil	n/a	n/a	91	0.16	15	0.5	0%	0.5	
1.4	Asphalt to Playsurface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-9in	Pro-6in	91	varies	23	0.9	0%	0.9	
1.5	Asphalt to Playsurface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-9in	Pro-6in	91	varies	0	0.0	0%	0.0	
1.6	Asphalt to Playsurface	Play Surface Place	Place 12in wood mulch playsurface	n/a	n/a	91	-1.00	-91	-3.4	0%	-3.4	
2.1	Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	1323	0.50	662	24.5	0%	24.5	
2.2	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	1323	varies	528	19.6	0%	19.6	
2.3	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	1323	varies	-28	-1.0	0%	-1.0	
2.4	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	1323	-0.50	-662	-24.5	0%	-24.5	
3.1	Grass to Playsurface	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	825	0.50	413	15.3	0%	15.3	
3.2	Grass to Playsurface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	825	varies	1249	46.3	0%	46.3	
3.3	Grass to Playsurface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	825	varies	0	0.0	0%	0.0	
3.4	Grass to Playsurface	Play Surface Place	Place 12in wood mulch play surface	n/a	n/a	825	-1.00	-825	-30.6	0%	-30.6	
4.1	Play Surface to Concrete	Play Surface Excavate	Remove existing play surface, estimated depth 12in	n/a	n/a	39	1.00	39	1.4	0%	1.4	
4.2	Play Surface to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-11in	39	varies	2	0.1	0%	0.1	
4.3	Play Surface to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-11in	39	varies	0	0.0	0%	0.0	
4.4	Play Surface to Concrete	Gravel (for Pavement) Place	Place 6in gravel base	n/a	n/a	39	-0.50	-20	-0.7	0%	-0.7	
4.5	Play Surface to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	39	-0.42	-16	-0.6	0%	-0.6	
5.1	Play Surface to Grass	Play Surface Excavate	Remove existing play surface, estimated depth 12in	n/a	n/a	456	1.00	456	16.9	0%	16.9	
5.2	Play Surface to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-6in	456	varies	17	0.6	0%	0.6	
5.3	Play Surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-6in	456	varies	-137	-5.1	0%	-5.1	
5.4	Play Surface to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	456	-0.50	-228	-8.4	0%	-8.4	
11.1	Play Surface to Play Surface	Play Surface Excavate	Remove existing play surface, estimated depth 12in	n/a	n/a	2332	1.00	2332	86.4	0%	86.4	
11.2	Play Surface to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-12in	Pro-12in	2332	varies	951	35.2	0%	35.2	
11.3	Play Surface to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-12in	Pro-12in	2332	varies	-1	0.0	0%	0.0	
11.4	Play Surface to Play Surface	Play Surface Place	Place 12in wood mulch play surface	n/a	n/a	2332	-1.00	-2332	-86.4	0%	-86.4	

Manchester Park Playground - Earthwork Quantities	
City of Madison, WI Public V	9521
Date Revised:	5/24/2024
Derived 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 Unfactored volume (cu yd)
Gravel (for Pavement) Place	-0.7
Play Surface Excavate	104.7
Play Surface Place	-120.3
Subsoil Excavate	102.6
Subsoil Place	-6.1
Topsoil Excavate	39.8
Topsoil Place	-32.9
Asphalt Excavate	0.8
Gravel (Clean) Excavate	1.1
Gravel (Dirty) Excavate	0.5
Concrete Place	-0.6
Grand Total	88.9

Reorganized into bid table items			
Bid Item	Quantity	Units	Relation to Table (above)
20101 Excavation Cut	143	CY	= Subsoil Excavate + Topsoil Excavate+Asphalt Excavate
20104 Excavation Cut - Pea Gravel	105	CY	= Play Surface Excavate
20202 Fill Borrow	-96	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	197	SY	= (Topsoil Place)-. 167
40102 Crushed Aggregate Base Course Gradation No. 2	1	tons	= (Gravel for Pavement Place) * -2 ton/cubic yard
90003 Playground Surfacing - Wood Mulch	132	CY	= Play Surface Place * -1.10

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



PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
**MANCHESTER PARK
3238 MANCHESTER RD
MADISON, WI 53719**

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
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

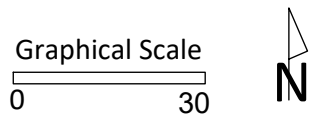
SHEET TITLE:
DESIGN COMPUTATIONS

SHEET NUMBER:
2.6



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

play
MADISON
PARKS



PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
**MEADOWOOD PARK
 5810 THRUSH LN
 MADISON, WI 53711**

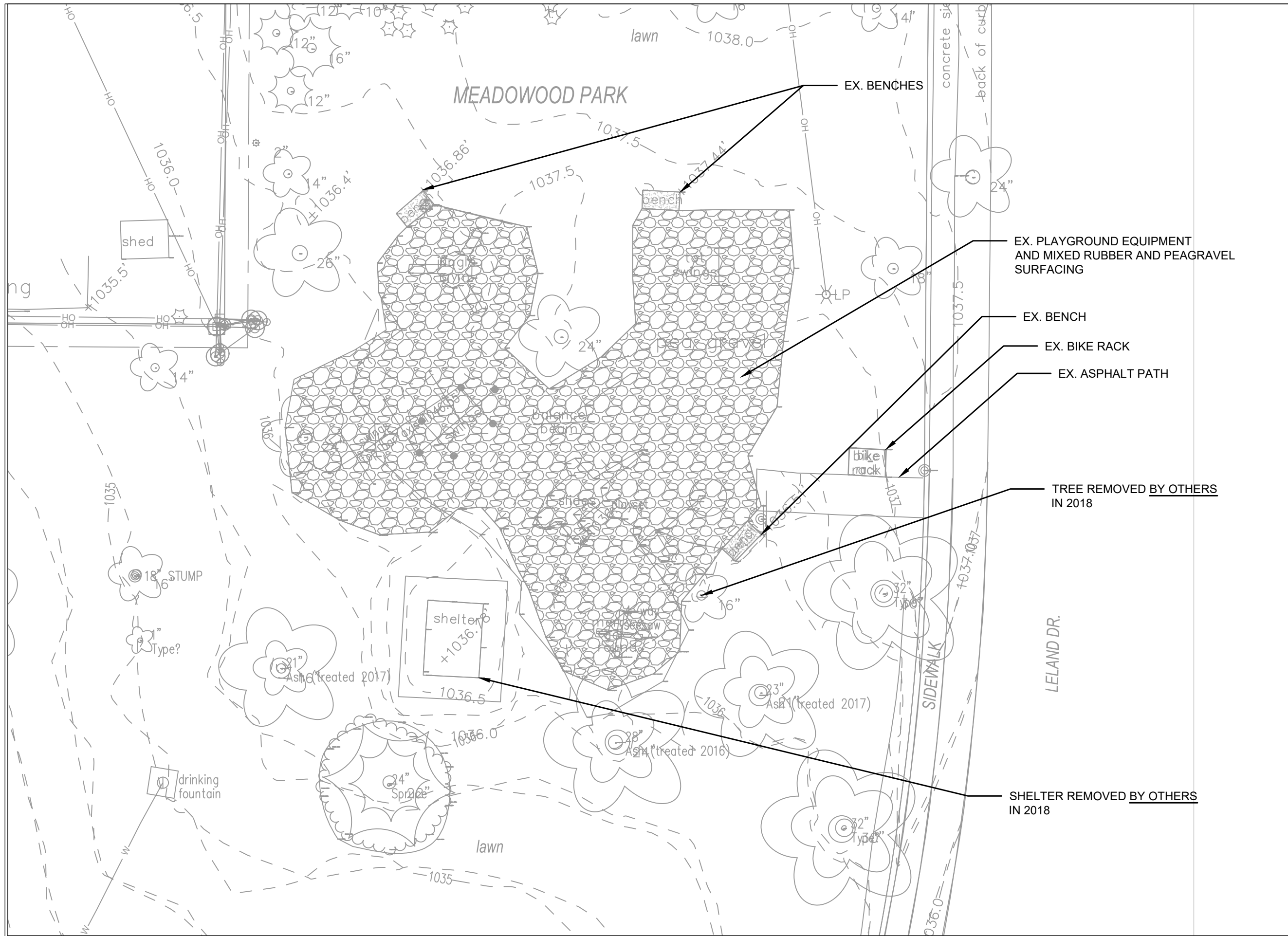
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
DRAWN BY:	2022-08-08

PUBLIC WORKS PROJECT #:
9521

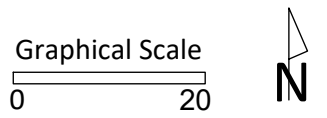
SHEET TITLE:
PROJECT LOCATION AND SITE ACCESS

SHEET NUMBER:
3.1



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

play
MADISON
PARKS



PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
**MEADOWOOD PARK
 5810 THRUSH LN
 MADISON, WI 53711**

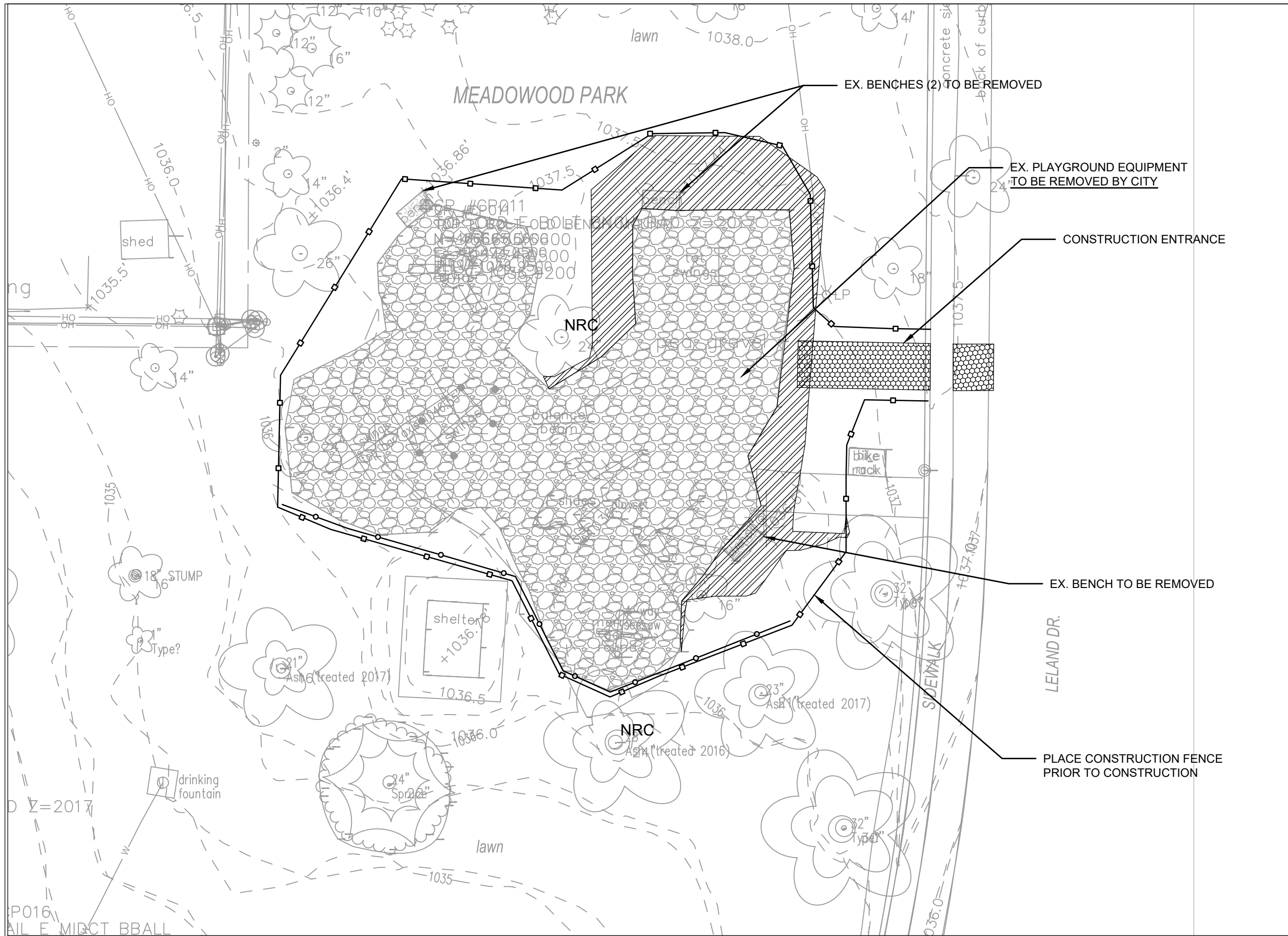
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
DRAWN BY:	2022-08-08

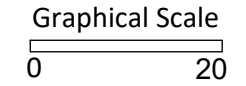
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
EXISTING CONDITIONS

SHEET NUMBER:
3.2



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



PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
**MEADOWOOD PARK
 5810 THRUSH LN
 MADISON, WI 53711**

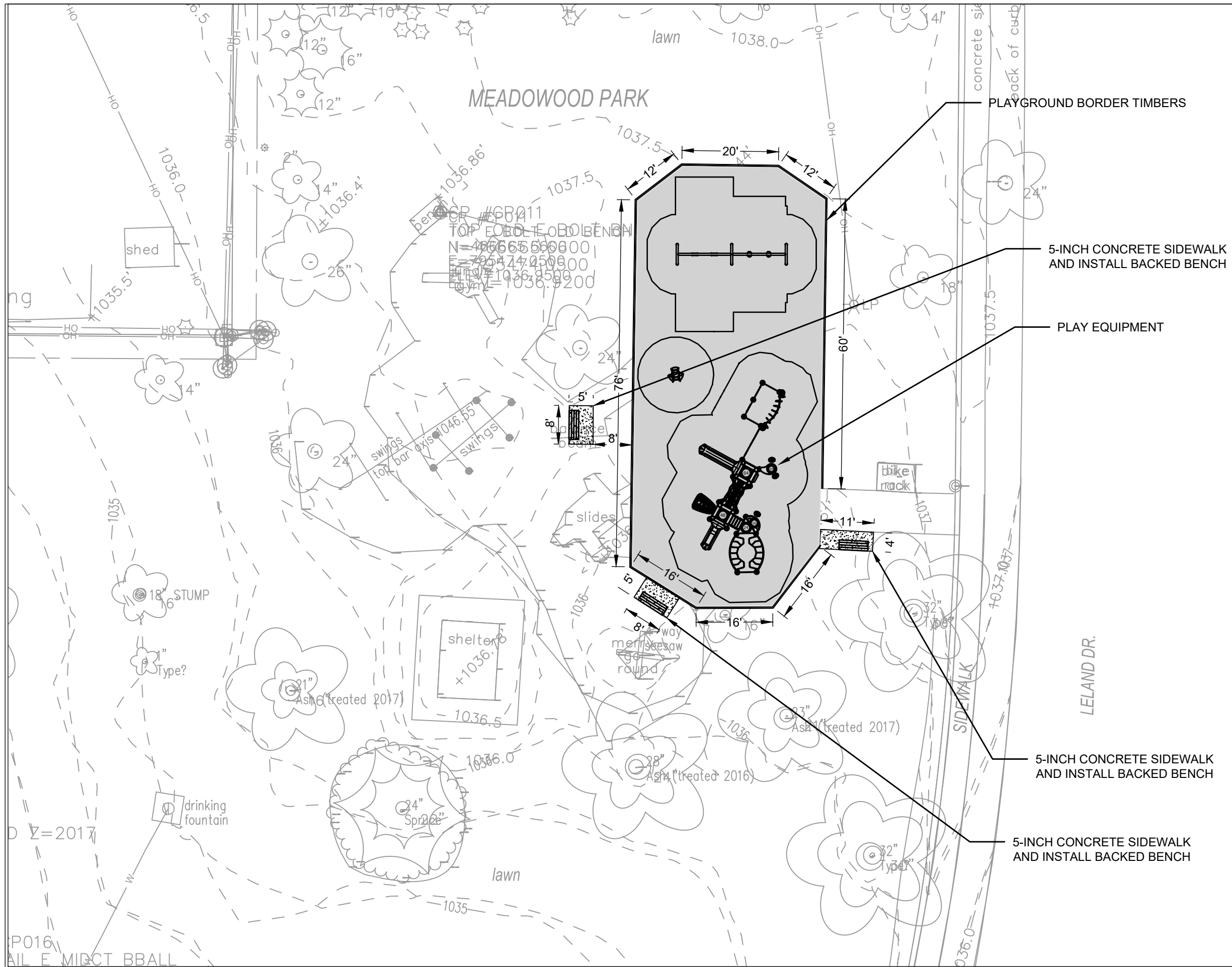
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
DRAWN BY:	2022-08-08

PUBLIC WORKS PROJECT #:
9521

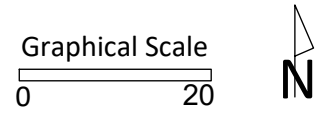
SHEET TITLE:
DEMOLITION AND PROTECTION PLAN

SHEET NUMBER:
3.3



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

play
**MADISON
 PARKS**



PROJECT:
**2024 PLAYGROUND
 IMPROVEMENTS**

PROJECT ADDRESS:
**MEADOWOOD PARK
 5810 THRUSH LN
 MADISON, WI 53711**

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

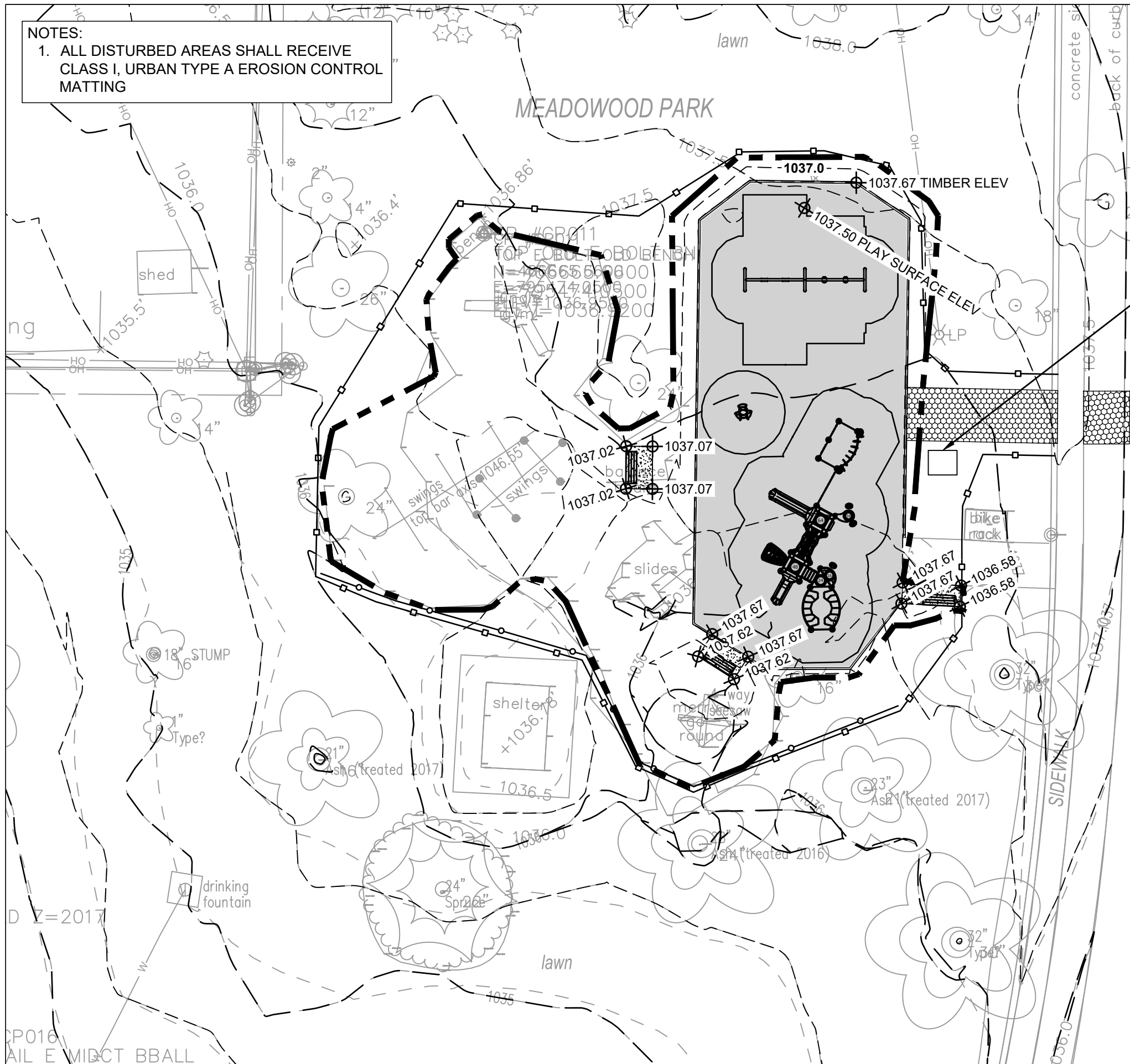
ITEM	DATE
DRAWN BY:	2022-08-08

PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
3.4

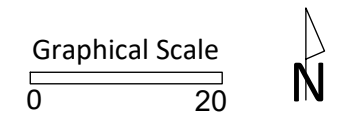
NOTES:
 1. ALL DISTURBED AREAS SHALL RECEIVE CLASS I, URBAN TYPE A EROSION CONTROL MATTING



CONCRETE WASH-OUT AREA;
 CONTRACTOR TO SUBMIT DETAIL
 OF METHOD TO BE UTILIZED
 NOTE: THIS ITEM IS INCIDENTAL
 TO BID ITEM 30302, CONCRETE
 SIDEWALK

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

play
MADISON
PARKS



PROJECT:
**2024 PLAYGROUND
 IMPROVEMENTS**

PROJECT ADDRESS:
**MEADOWOOD PARK
 5810 THRUSH LN
 MADISON, WI 53711**

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

ITEM	DATE
DRAWN BY:	2022-08-08

PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
**GRADING AND
 EROSION CONTROL
 PLAN**

SHEET NUMBER:
3.5

Meadowood Park Playground - Earthwork Quantities

City of Madison, WI Public Works Contract
Date Revised: 5-28-2024

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 Meadowood_Survey2010-03-29.dwg
Meadowood_Survey2017-11-28.dwg
Proposed 2024 Meadowood Park PG Volumes.dwg

Grp	Material	Item	From Surface Model	To Surface Model	area (sq ft)	depth (ft)	Unfactored volume (cu ft)	Unfactored volume (cu yd)	Expansion Factor (%)	Factored (Uncompacted) Volume (cu yd)
Grass to Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	51	0.50	26	1.0	0%	1.0
Grass to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-11in	51	varies	15	0.5	0%	0.5
Grass to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-11in	51	varies	-3	-0.1	0%	-0.1
Grass to Concrete	Gravel (for Pavement) Place	Place 6in gravel base out to 6in from pavement edge	n/a	n/a	51	-0.50	-26	-1.0	0%	-1.0
Grass to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	44	-0.42	-18	-0.7	0%	-0.7
Grass to Concrete	Topsoil Place	Place 3in topsoil over 6in wide gravel edge	n/a	n/a	14	-0.25	-4	-0.1	0%	-0.1
Grass to Grass	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	683	0.50	341	12.6	0%	12.6
Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	683	varies	269	10.0	0%	10.0
Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	683	varies	-28	-1.0	0%	-1.0
Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	683	-0.50	-341	-12.6	0%	-12.6
Grass to Playsurface	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	894	0.50	447	16.6	0%	16.6
Grass to Playsurface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	894	varies	213	7.9	0%	7.9
Grass to Playsurface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	894	varies	-138	-5.1	0%	-5.1
Grass to Playsurface	Play Surface Place	Place 12in wood mulch play surface	n/a	n/a	894	-1.00	-894	-33.1	0%	-33.1
Grass to Timbers	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	57	0.50	28	1.0	0%	1.0
Grass to Timbers	Subsoil Place	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	57	varies	21	0.8	0%	0.8
Grass to Timbers	Subsoil Excavate	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	57	varies	-9	-0.3	0%	-0.3
Grass to Timbers	Border Timbers Place (placeholder volume)	Place playground border timbers (placeholder volume to balance volume comps)	n/a	n/a	57	-1.00	-57	-2.1	0%	-2.1
Play Surface to Concrete	Play Surface Excavate	Remove existing play surface, estimated depth 17in	n/a	n/a	103	1.42	146	5.4	0%	5.4
Play Surface to Concrete	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-11in	103	varies	0	0.0	0%	0.0
Play Surface to Concrete	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-11in	103	varies	-124	-4.6	0%	-4.6
Play Surface to Concrete	Gravel (for Pavement) Place	Place 6in gravel base out to 6in from pavement edge	n/a	n/a	103	-0.50	-52	-1.9	0%	-1.9
Play Surface to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	80	-0.42	-33	-1.2	0%	-1.2
Play Surface to Concrete	Topsoil Place	Place 3in topsoil over 6in wide gravel edge	n/a	n/a	23	-0.25	-6	-0.2	0%	-0.2
Play Surface to Grass	Play Surface Excavate	Remove existing play surface, estimated depth 17in	n/a	n/a	4072	1.42	5769	213.7	0%	213.7
Play Surface to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-6in	4072	varies	1	0.0	0%	0.0
Play Surface to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-6in	4072	varies	-2578	-95.5	0%	-95.5
Play Surface to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	4072	-0.50	-2036	-75.4	0%	-75.4

Play Surface to Play Surface	Play Surface Excavate	Remove existing play surface, estimated depth 17in	n/a	n/a	2488	1.42	3525	130.5	0%	130.5
Play Surface to Play Surface	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	2488	varies	0	0.0	0%	0.0
Play Surface to Play Surface	Subsoil Place	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	2488	varies	-2634	-97.6	0%	-97.6
Play Surface to Play Surface	Play Surface Place	Place 12in wood mulch play surface	n/a	n/a	2488	-1.00	-2488	-92.1	0%	-92.1
Play Surface to Timbers	Play Surface Excavate	Remove existing play surface, estimated depth 17in	n/a	n/a	19	1.42	27	1.0	0%	1.0
Play Surface to Timbers	Subsoil Place	Cut subsoil to proposed subgrade	Ex-17in	Pro-12in	19	varies	0	0.0	0%	0.0
Play Surface to Timbers	Subsoil Excavate	Fill subsoil to proposed subgrade	Ex-17in	Pro-12in	19	varies	-26	-1.0	0%	-1.0
Play Surface to Timbers	Border Timbers Place (placeholder volume)	Place playground border timbers (placeholder volume to balance volume comps)	n/a	n/a	19	-1.00	-19	-0.7	0%	-0.7

Meadowood Park Playground - Earthwork Quantities

City of Madison, WI Public Works Contract 9521
Date Revised: 5/28/2024

Derived 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 Unfactored volume (cu yd)
Border Timbers Place (placeholder volume)	-2.8
Gravel (for Pavement) Place	-2.9
Play Surface Excavate	350.6
Play Surface Place	-125.3
Subsoil Excavate	17.1
Subsoil Place	-203.2
Topsoil Excavate	31.2
Topsoil Place	-88.4
Concrete Place	-1.9
Grand Total	-25.4

Reorganized into bid table items

Bid Item	Quantity	Units	Relation to Table (above)
20101 Excavation Cut	48	CY	= Subsoil Excavate + Topsoil Excavate+Asphalt Excavate
20104 Excavation Cut - Pea Gravel/Rubber Mix	351	CY	= Play Surface Excavate
20202 Fill Borrow	186	CY	= Subsoil Excavate + Subsoil Place
20221 Topsoil	529	SY	= (Topsoil Place)/-.167
40102 Crushed Aggregate Base Course Gradation No. 2	6	tons	= (Gravel for Pavement Place) * -2 ton/cubic yard
90004 Playground Surfacing - Wood Mulch	138	CY	= Play Surface Place * -1.10

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



Graphical Scale
0



PROJECT:

2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:

**MEADOWOOD PARK
5810 THRUSH LN
MADISON, WI 53711**

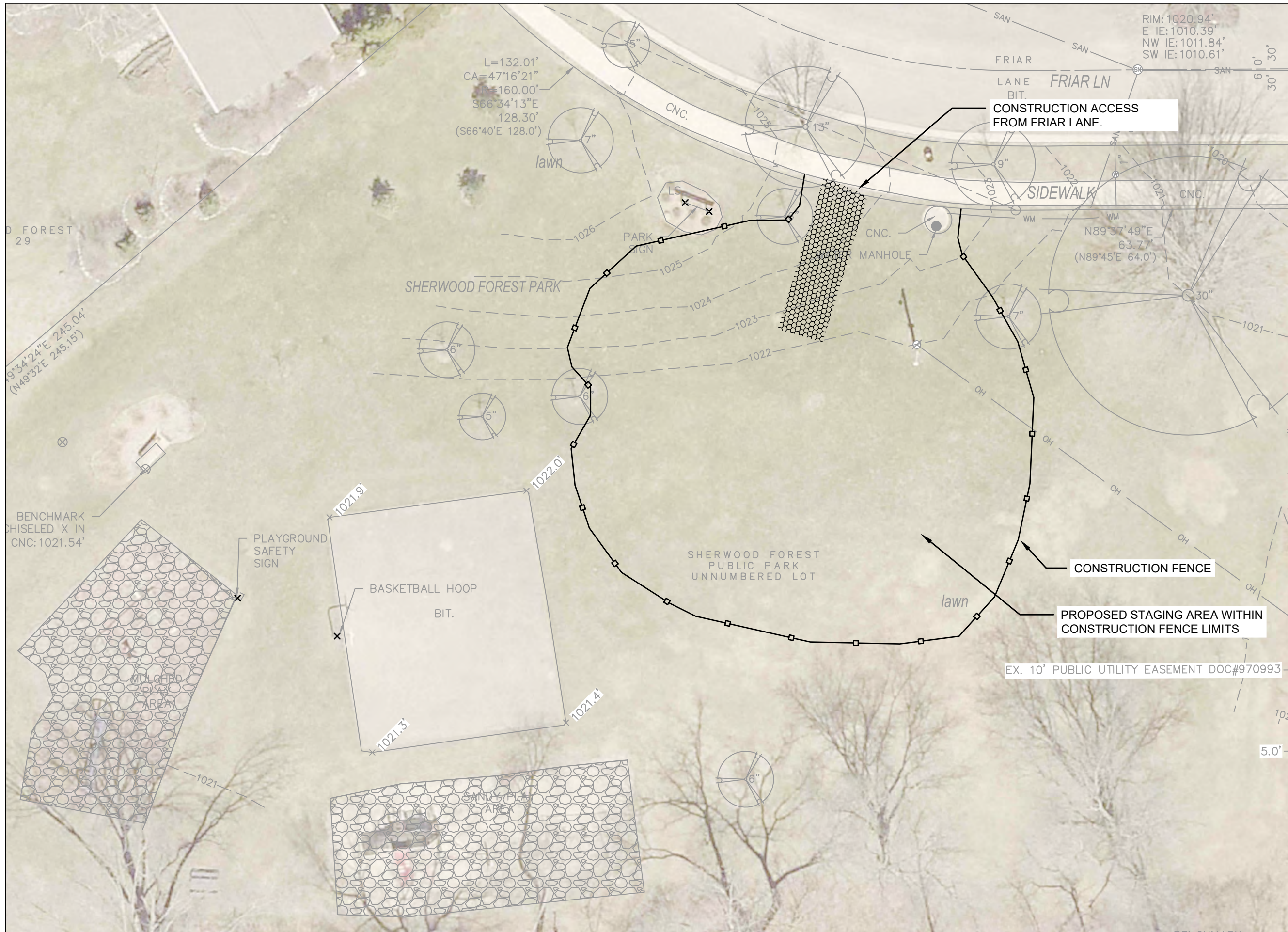
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM DATE
DRAWN BY: 2022-08-08

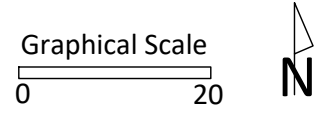
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
DESIGN COMPUTATIONS

SHEET NUMBER:
3.6



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



PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
**SHERWOOD FOREST PARK
 1038 FRIAR LN
 MADISON, WI 53711**

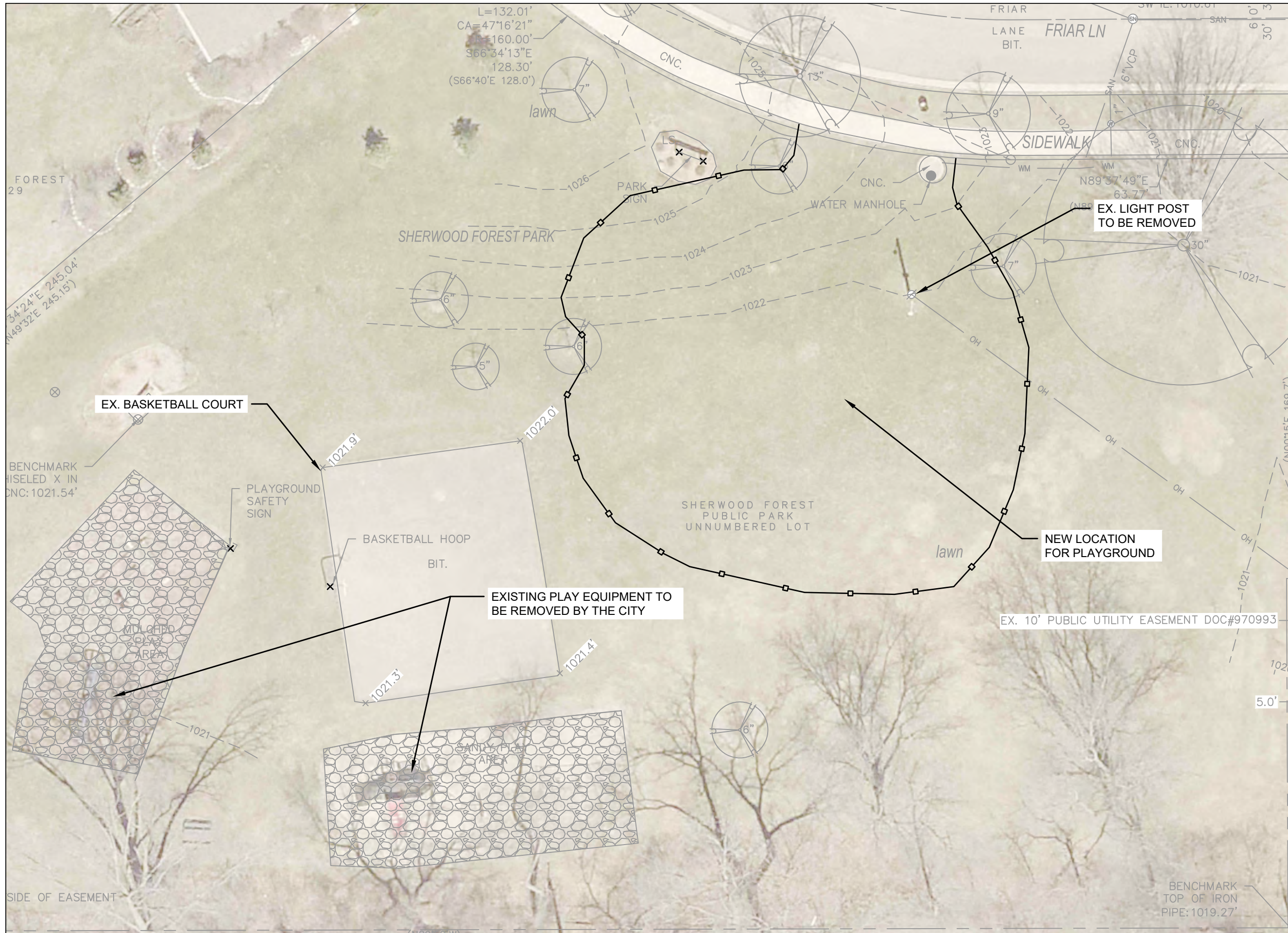
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

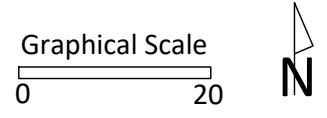
SHEET TITLE:
PROJECT LOCATION AND SITE ACCESS

SHEET NUMBER:
4.1



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:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
SHERWOOD FOREST PARK
1038 FRIAR LN
MADISON, WI 53711

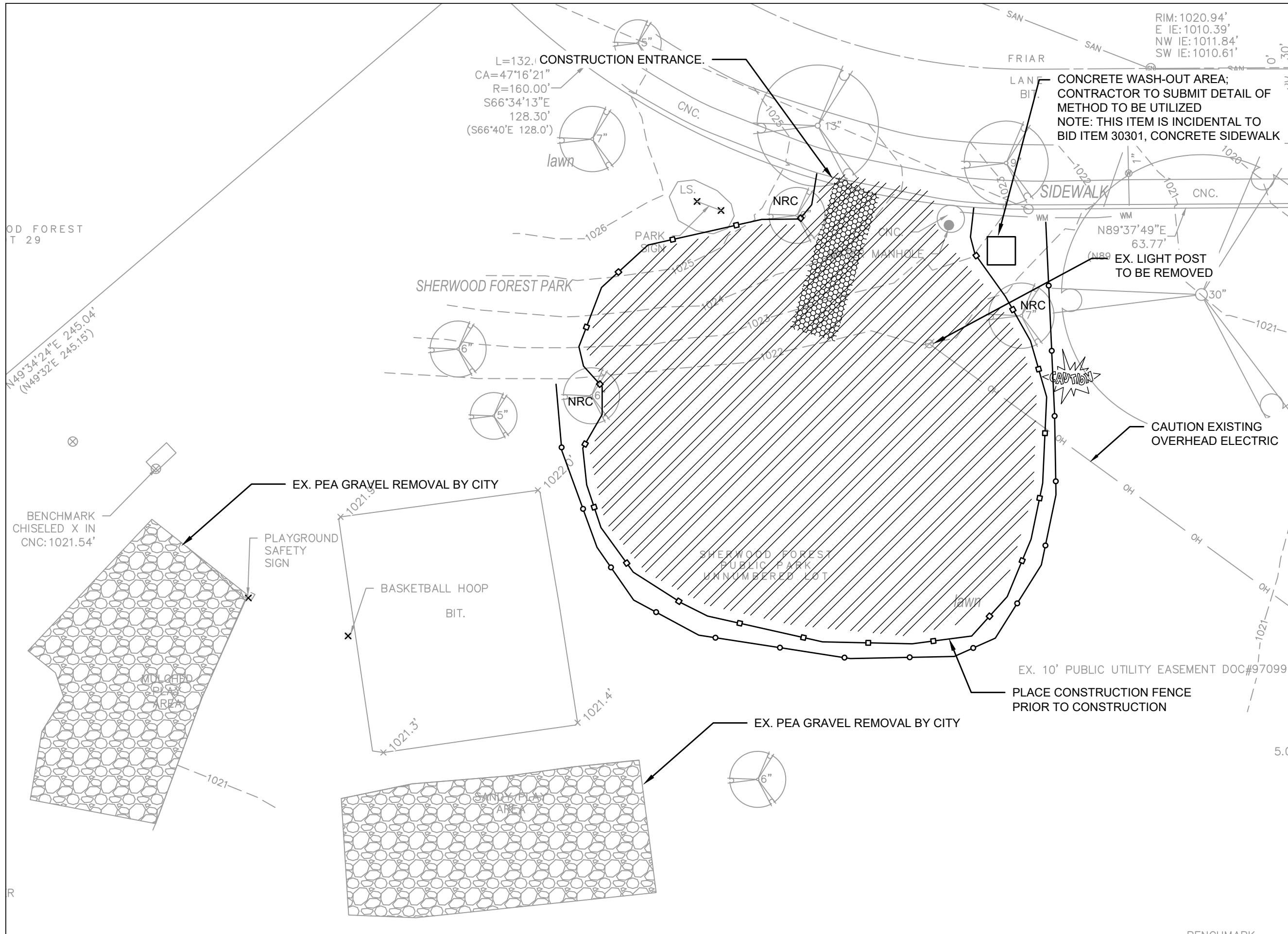
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

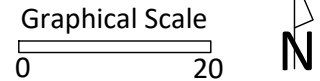
SHEET TITLE:
EXISTING CONDITIONS

SHEET NUMBER:
4.2



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:
**2024 PLAYGROUND
 IMPROVEMENTS**

PROJECT ADDRESS:
**SHERWOOD FOREST
 PARK
 1038 FRIAR LN
 MADISON, WI 53711**

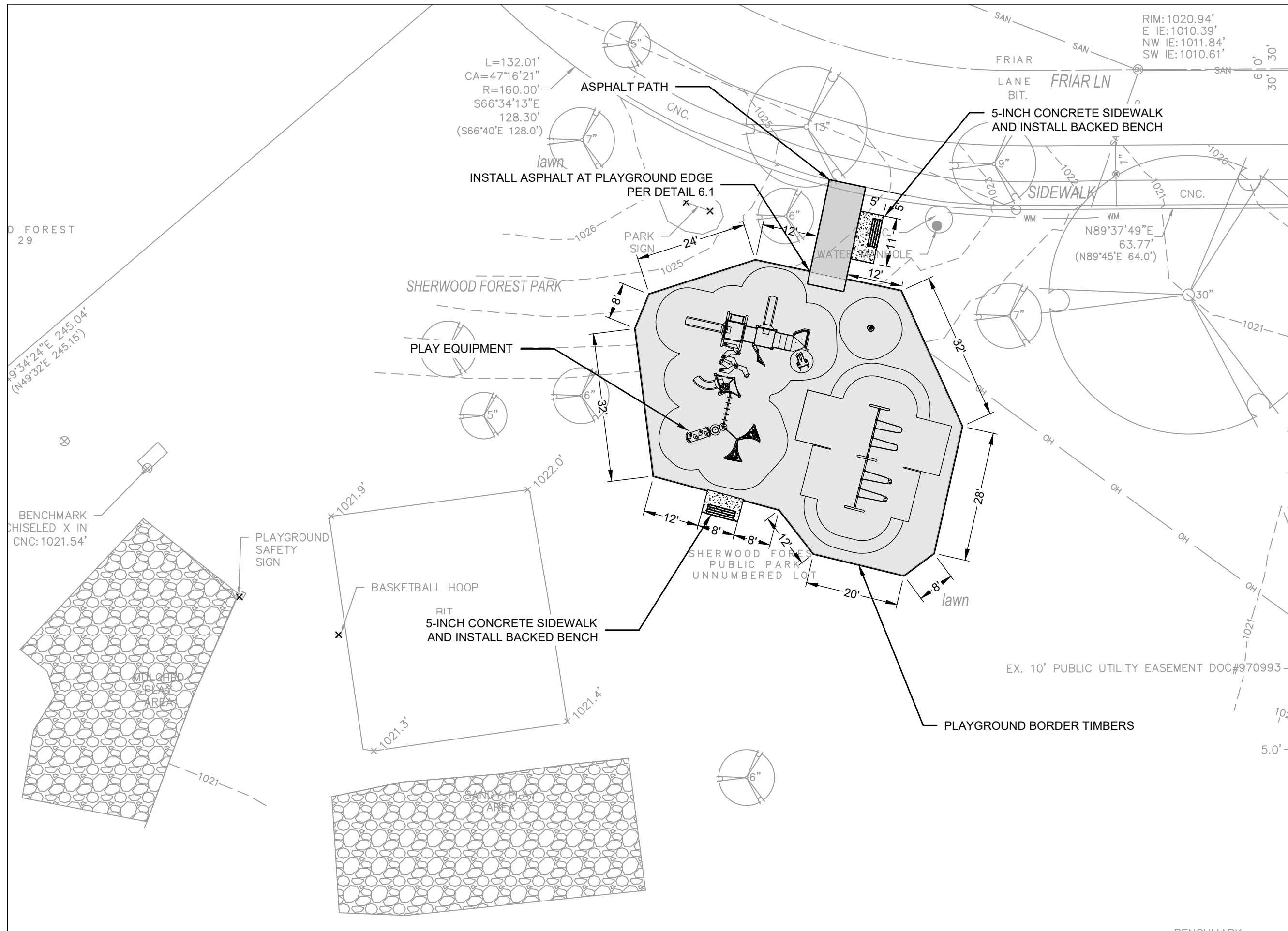
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
ADVERTISED TO BID	2024-06-13

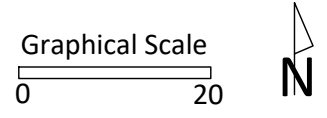
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
**DEMOLITION AND
 PROTECTION PLAN**

SHEET NUMBER:
4.3



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



PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
SHERWOOD FOREST PARK
1038 FRIAR LN
MADISON, WI 53711

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
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
SITE PLAN

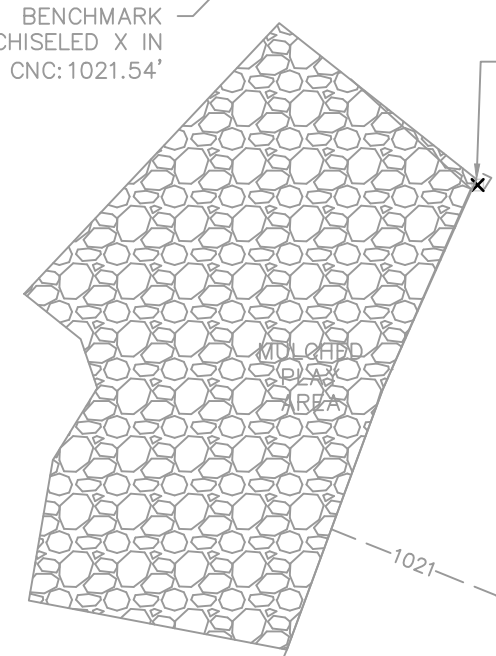
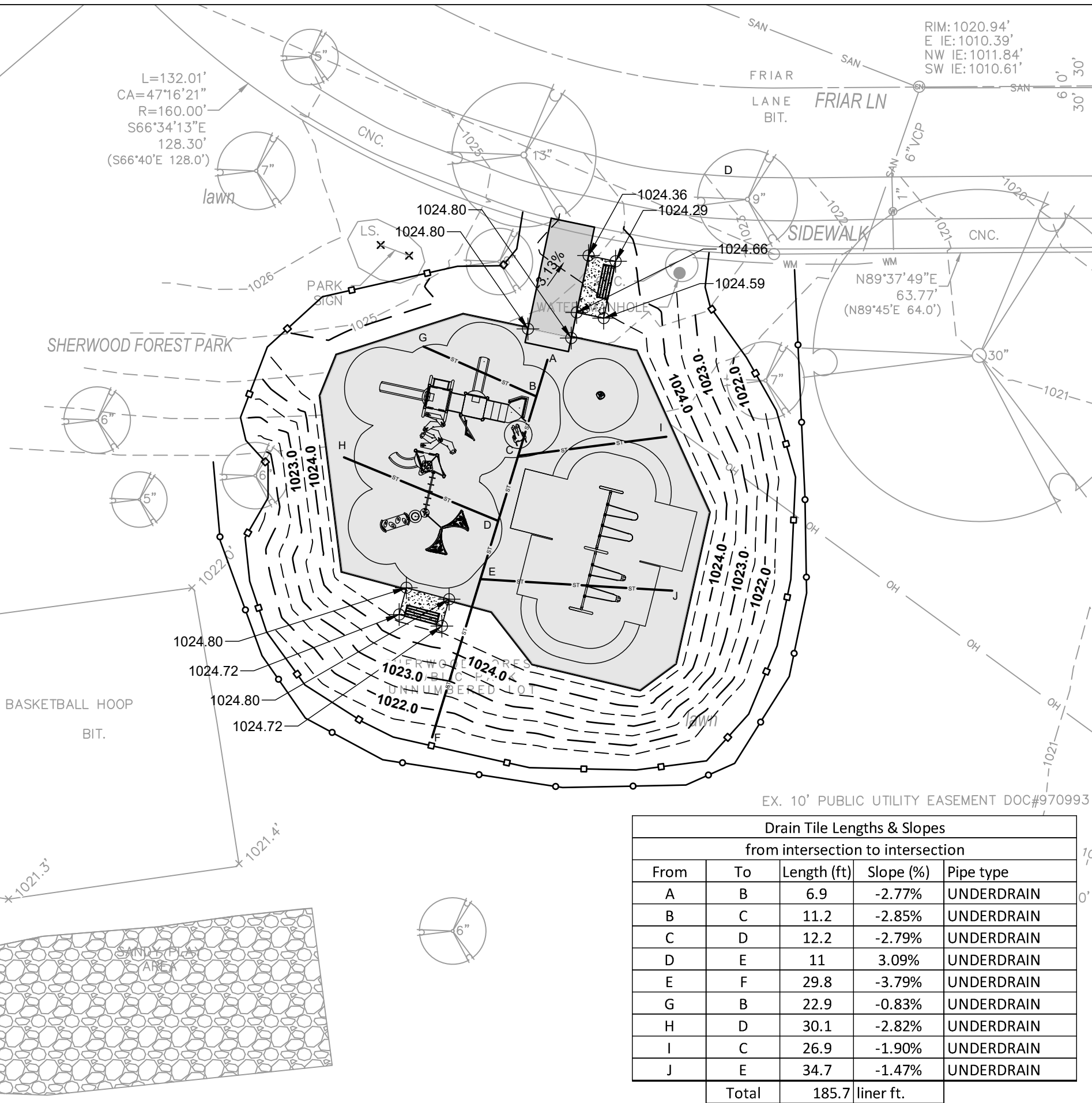
SHEET NUMBER:
4.4

NOTES

1.) ALL DISTURBED AREAS SHALL RECEIVE CLASS I, URBAN TYPE A EROSION CONTROL MATTING.

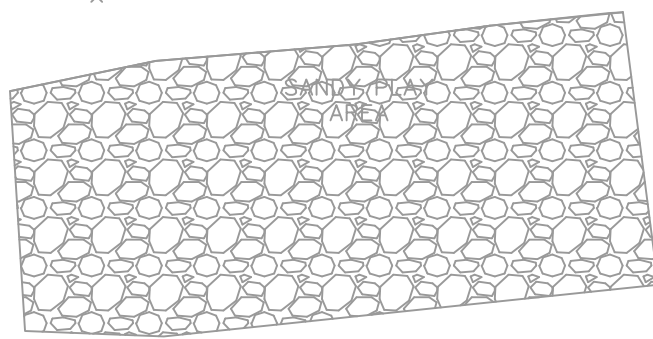
Sherwood Forest Park		
Drain Tile Invert (Flowline) Elevations		
Point	Invert(ft)	Distance from top of timbers 1024.80 (INCHES)
A	1023.22	-18.96
B	1023.03	-21.25
C	1022.71	-25.08
D	1022.37	-29.16
E	1022.71	-25.08
F	1021.24	-42.72
G	1023.22	-18.96
H	1023.22	-18.96
I	1023.22	-18.96
J	1023.22	-18.96

Top of Timbers:	1024.80
Play surface:	1024.63
Top of subgrade:	1023.63
Drain tile min depth:	1023.22
Drain tile outlet:	1021.24



PLAYGROUND SAFETY SIGN

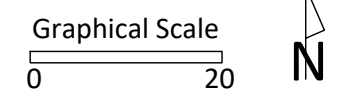
BASKETBALL HOOP BIT.



Drain Tile Lengths & Slopes				
from intersection to intersection				
From	To	Length (ft)	Slope (%)	Pipe type
A	B	6.9	-2.77%	UNDERDRAIN
B	C	11.2	-2.85%	UNDERDRAIN
C	D	12.2	-2.79%	UNDERDRAIN
D	E	11	3.09%	UNDERDRAIN
E	F	29.8	-3.79%	UNDERDRAIN
G	B	22.9	-0.83%	UNDERDRAIN
H	D	30.1	-2.82%	UNDERDRAIN
I	C	26.9	-1.90%	UNDERDRAIN
J	E	34.7	-1.47%	UNDERDRAIN
Total		185.7	liner ft.	

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:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:
SHERWOOD FOREST PARK
1038 FRIAR LN
MADISON, WI 53711

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
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:
4.5

Sherwood Forest Park Playground - Earthwork Quantities

City of Madison, WI Public Works Contract
Date Revised: 5/23/2024

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.

Sherwood Forest Park Playground - Earthwork Quantities

City of Madison, WI Public Works Contract
Date Revised: 5/23/2024

Derived from more detailed spreadsheet available from Parks Div

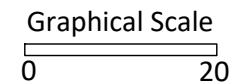
Computation Summary
Positive volumes are cuts (material available), negative volumes are fills (material needed)

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 6in topsoil	n/a	n/a	3635	0.50	1818	67.3	0%	67.3
			Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	3635	varies	0	0.0	0%	0.0
	Grass to Grass	Subsoil Excavate	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	3635	varies	-4983	-184.5	0%	-184.5
	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	3635	-0.50	-1818	-67.3	0%	-67.3
n/a	Grass to Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	183	0.50	92	3.4	0%	3.4
n/a			Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	183	varies	26	1.0	0%	1.0
n/a	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	183	varies	-42	-1.6	0%	-1.6
n/a	Grass to Asphalt	Gravel (for Pavement) Place	Place 9in gravel base out to 6in from pavement edge	n/a	n/a	183	-0.75	-137	-5.1	0%	-5.1
n/a	Grass to Asphalt	Asphalt Place	Place 3in asphalt	n/a	n/a	183	-0.25	-46	-1.7	0%	-1.7
	Grass to Playsurface	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	3441	0.50	1720	63.7	0%	63.7
			Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	3441	varies	4	0.2	0%	0.2
	Grass to Playsurface	Subsoil Excavate	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	3441	varies	-8432	-312.3	0%	-312.3
	Grass to Playsurface	Subsoil Place	Place 12in wood mulch play surface	n/a	n/a	3441	-1.00	-3441	-127.4	0%	-127.4
	Grass to Concrete	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	80	0.50	40	1.5	0%	1.5
			Cut subsoil to proposed subgrade	Ex-6in	Pro-11in	80	varies	0	0.0	0%	0.0
	Grass to Concrete	Subsoil Excavate	Fill subsoil to proposed subgrade	Ex-6in	Pro-11in	80	varies	128	4.7	0%	4.7
	Grass to Concrete	Subsoil Place									
	Grass to Concrete	Gravel (for Pavement) Place	Place 6in gravel base	n/a	n/a	80	-0.50	-40	-1.5	0%	-1.5
	Grass to Concrete	Concrete Place	Place 5in concrete	n/a	n/a	80	-0.42	-33	-1.2	0%	-1.2

Row Labels	Sum of Unfac-tored volume (cu yd)
Asphalt Place	-1.7
Gravel (for Pavement) Place	-6.6
Play Surface Place	-127.4
Subsoil Excavate	1.1
Subsoil Place	-493.6
Topsoil Excavate	135.9
Topsoil Place	-67.3
Concrete Place	-1.2
Grand Total	-560.9

Bid Item	Quantity	Units		Relation to Table Above
		CY		
20101 Excavation Cut		137	CY	= Subsoil Excavate + Topsoil Excavate
20202 Fill Borrow		493	CY	= Subsoil Excavate - Subsoil Place
20221 Topsoil		403	SY	= Topsoil Place/ .167 (depth)
40102 Crushed Aggregate Base Course Gradation No. 2		13.1	TONS	= (Gravel Place) * 2.0 ton/cubic yard
40202 HMA Pavement 4 LT 58-28 S		3.7	TONS	= Asphalt Place * 2.16 ton/cubic yard
90004 - Playground Surfacing		140	CY	= Play Surface Place*1.10

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



PROJECT:

2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:

**SHERWOOD FOREST PARK
1038 FRIAR LN
MADISON, WI 53711**

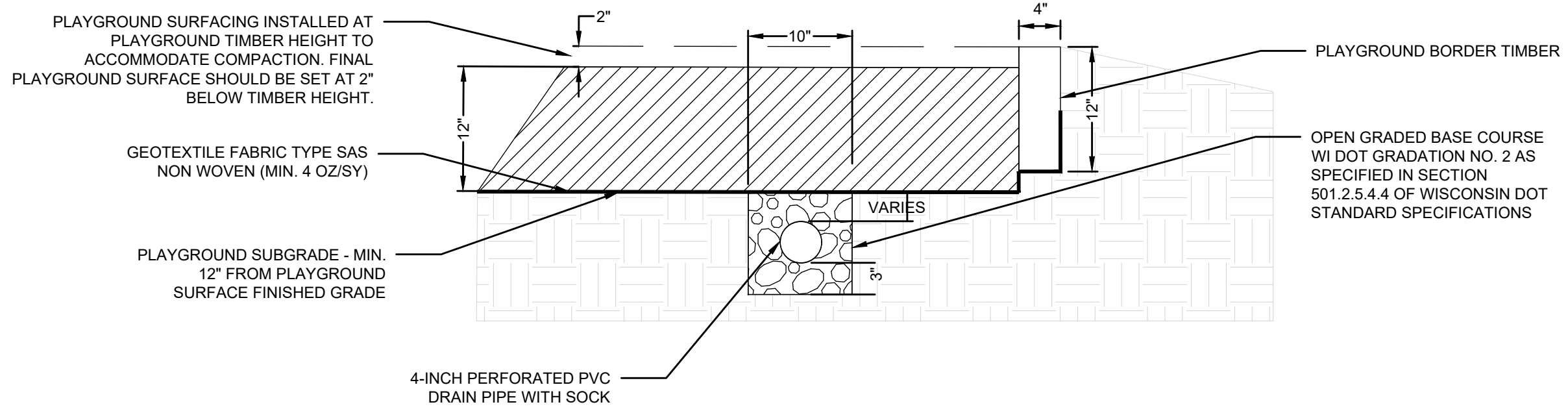
Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
ADVERTISED TO BID	2024-06-13

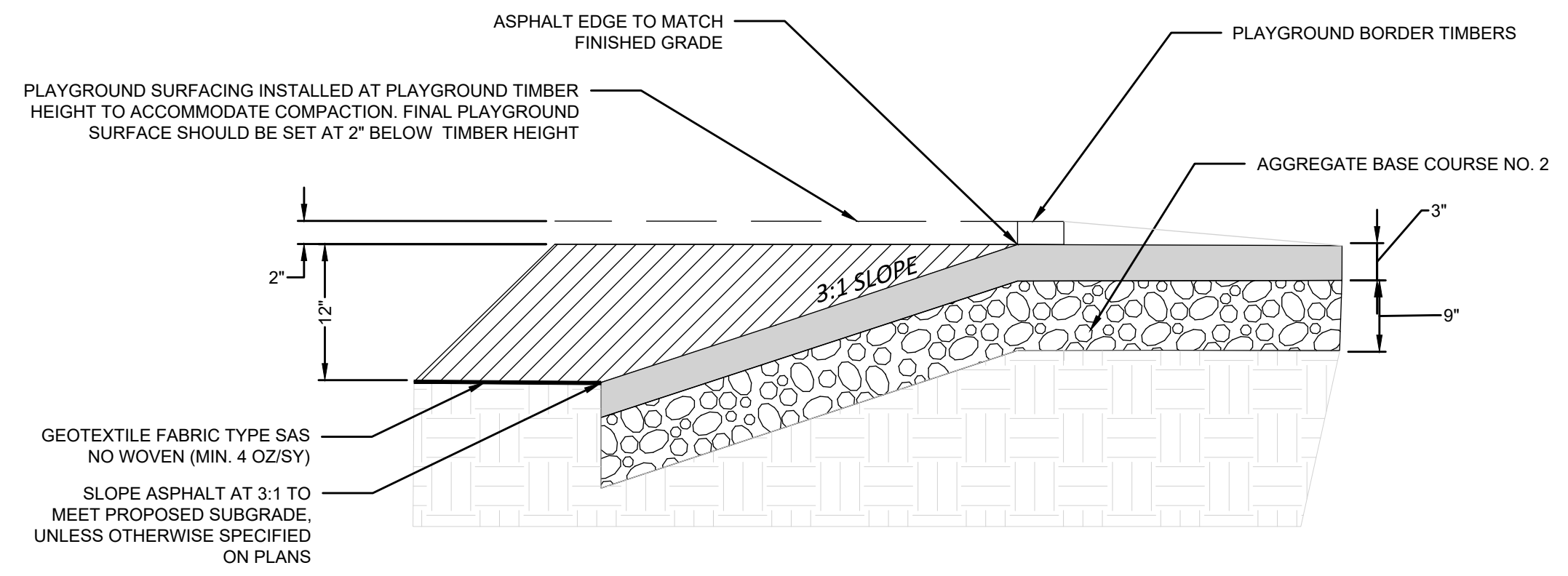
PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
DESIGN COMPUTATIONS

SHEET NUMBER:
4.6



1
 5.1 PLAYGROUND SURFACING WITH UNDERDRAIN
 NOT TO SCALE



2
 5.1 ASPHALT AT PLAYGROUND EDGE
 NOT TO SCALE

PROJECT:
2024 PLAYGROUND IMPROVEMENTS

PROJECT ADDRESS:

 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
ADVERTISED TO BID	2024-06-13

PUBLIC WORKS PROJECT #:
9521

SHEET TITLE:
DETAILS - PLAYGROUND & PAVEMENT EDGE

SHEET NUMBER:
5.1