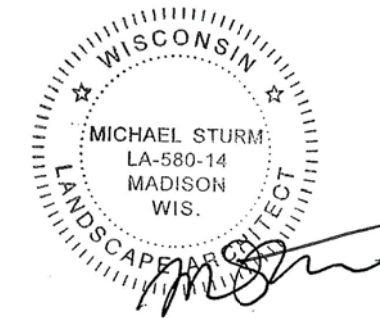
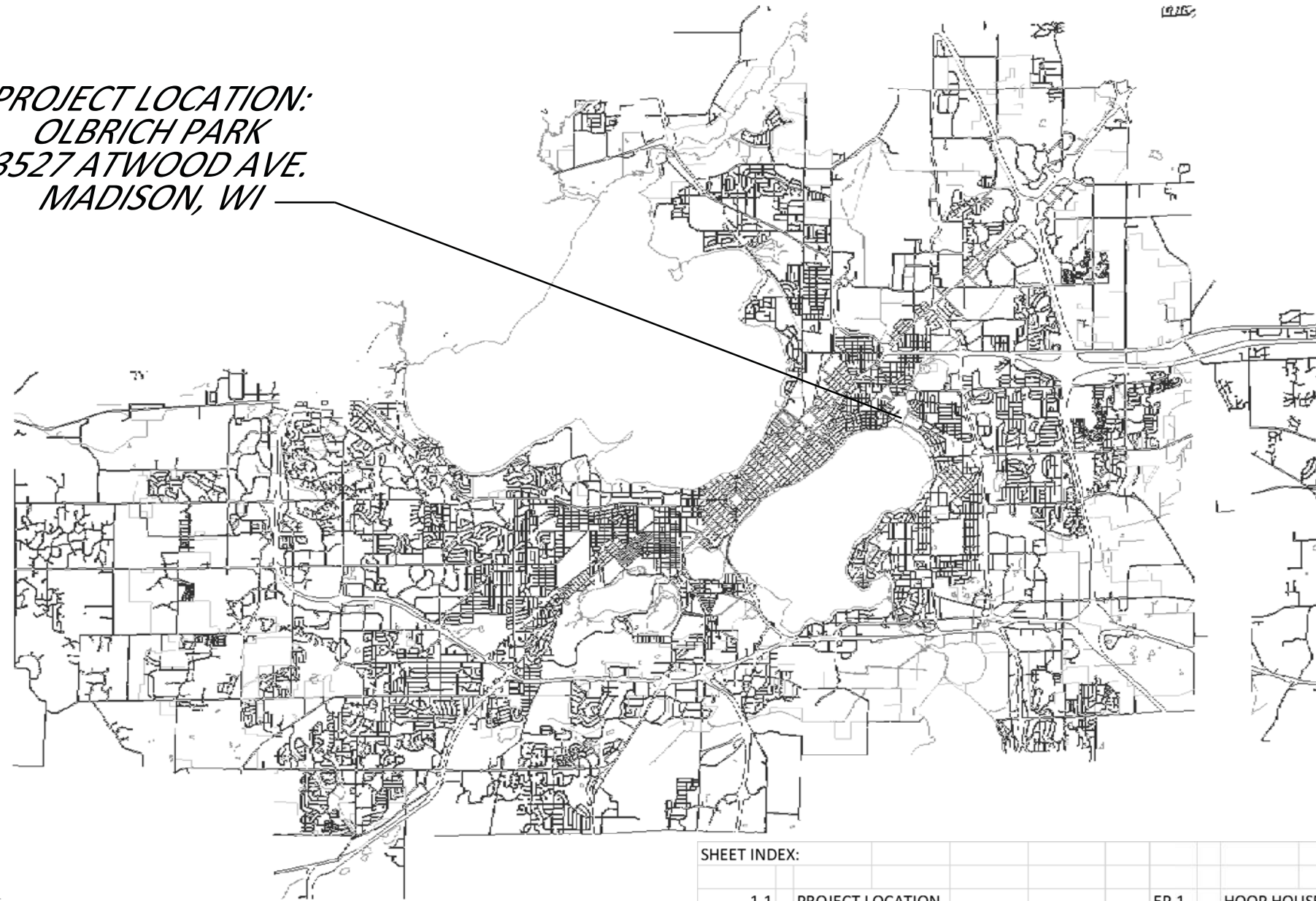


OLBRICH PARK MAINTENANCE SHED

CONTRACT #: 8275
MUNIS #: 17133 -51 -140

PROJECT LOCATION:
OLBRICH PARK
3527 ATWOOD AVE.
MADISON, WI



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PROJECT:
*OLBRICH PARK
MAINTENANCE
SHED*

*OLBRICH PARK
3527 ATWOOD AVE.
MADISON, WI*

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ITEM	DATE
Drawn by: MS	07-10-18

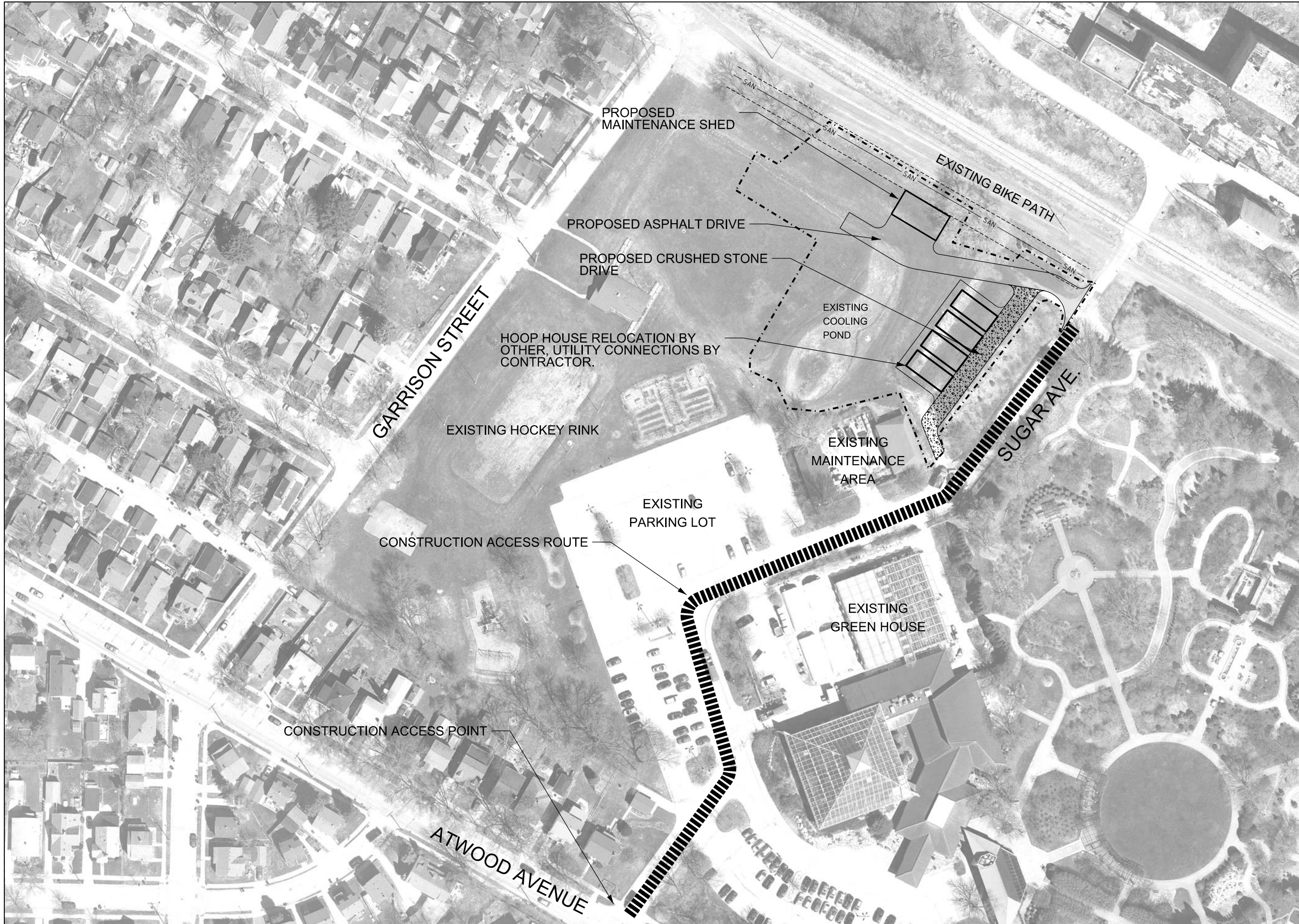
PUBLIC WORKS PROJECT #:
8275

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:

SHEET INDEX:

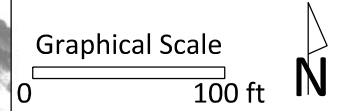
1.1	PROJECT LOCATION	EP-1	HOOP HOUSES & MAINTENANCE SHED- ELECTRICAL/PLUMBING
1.2	EXISTING SITE PLAN	EP-2	ELECTRICAL/PLUMBING SCHEDULES & DETAILS
2.1	SITE DEMOLITION AND PROTECTION PLAN	SU-1	SITE UTILITY PLAN
3.1	GRADING AND EROSION CONTROL PLAN		
4.1	SITE PLAN		
5.1	EARTHWORK COMPUTATIONS		
6.1	MAINTENANCE SHED SCHEMATIC PLANS		



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PROJECT:
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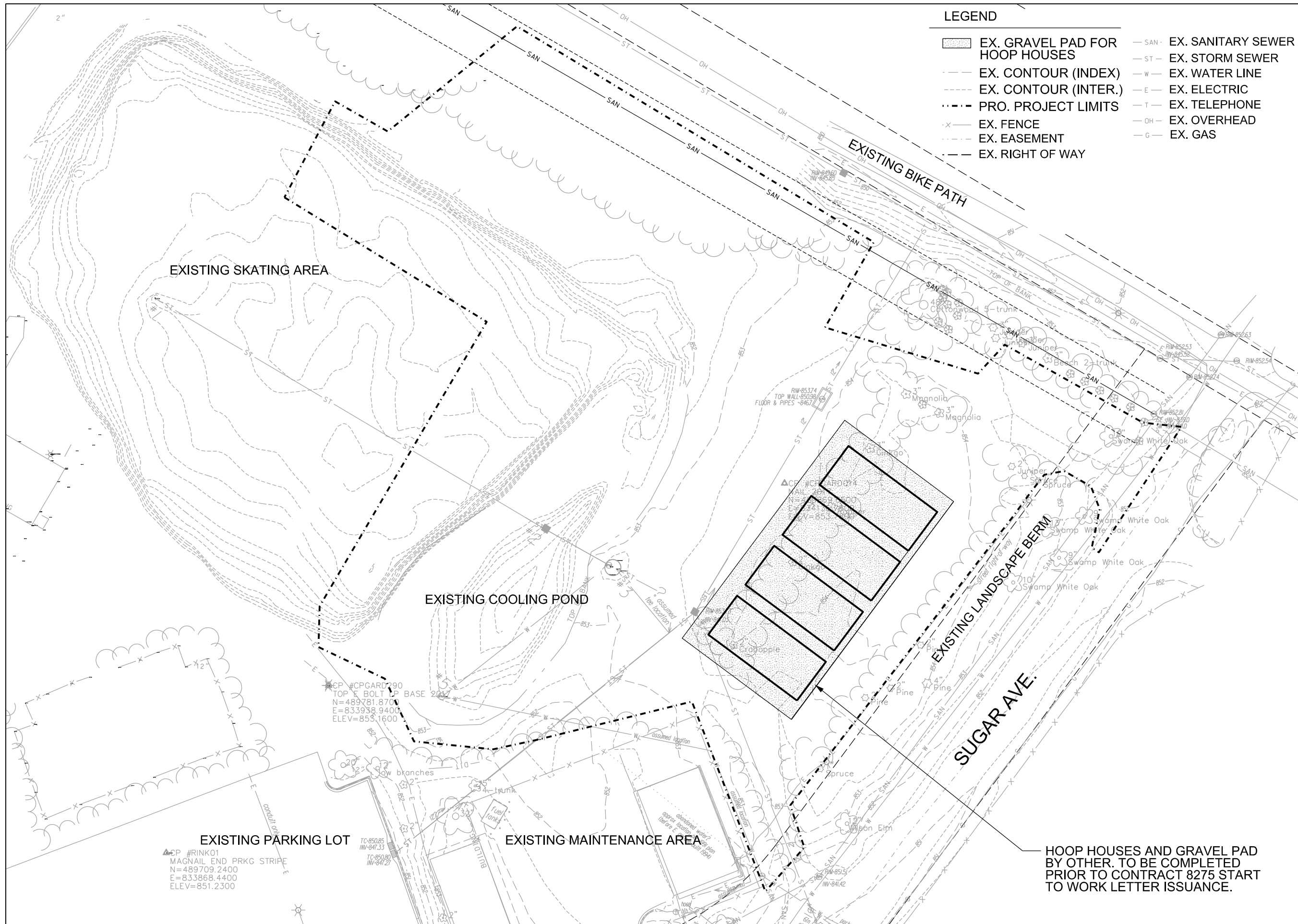
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ITEM	DATE
Drawn by: MS	07-10-18

PUBLIC WORKS PROJECT #:
8275

SHEET TITLE:
PROJECT LOCATION

SHEET NUMBER:
1.1

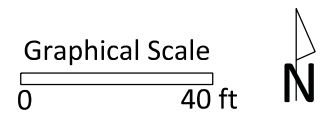


LEGEND

- EX. GRAVEL PAD FOR HOOP HOUSES
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)
- PRO. PROJECT LIMITS
- x EX. FENCE
- EX. EASEMENT
- EX. RIGHT OF WAY
- SAN EX. SANITARY SEWER
- ST EX. STORM SEWER
- W EX. WATER LINE
- E EX. ELECTRIC
- T EX. TELEPHONE
- OH EX. OVERHEAD
- G EX. GAS

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PROJECT:
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 MAINTENANCE
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**OLBRICH PARK
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 MADISON, WI**

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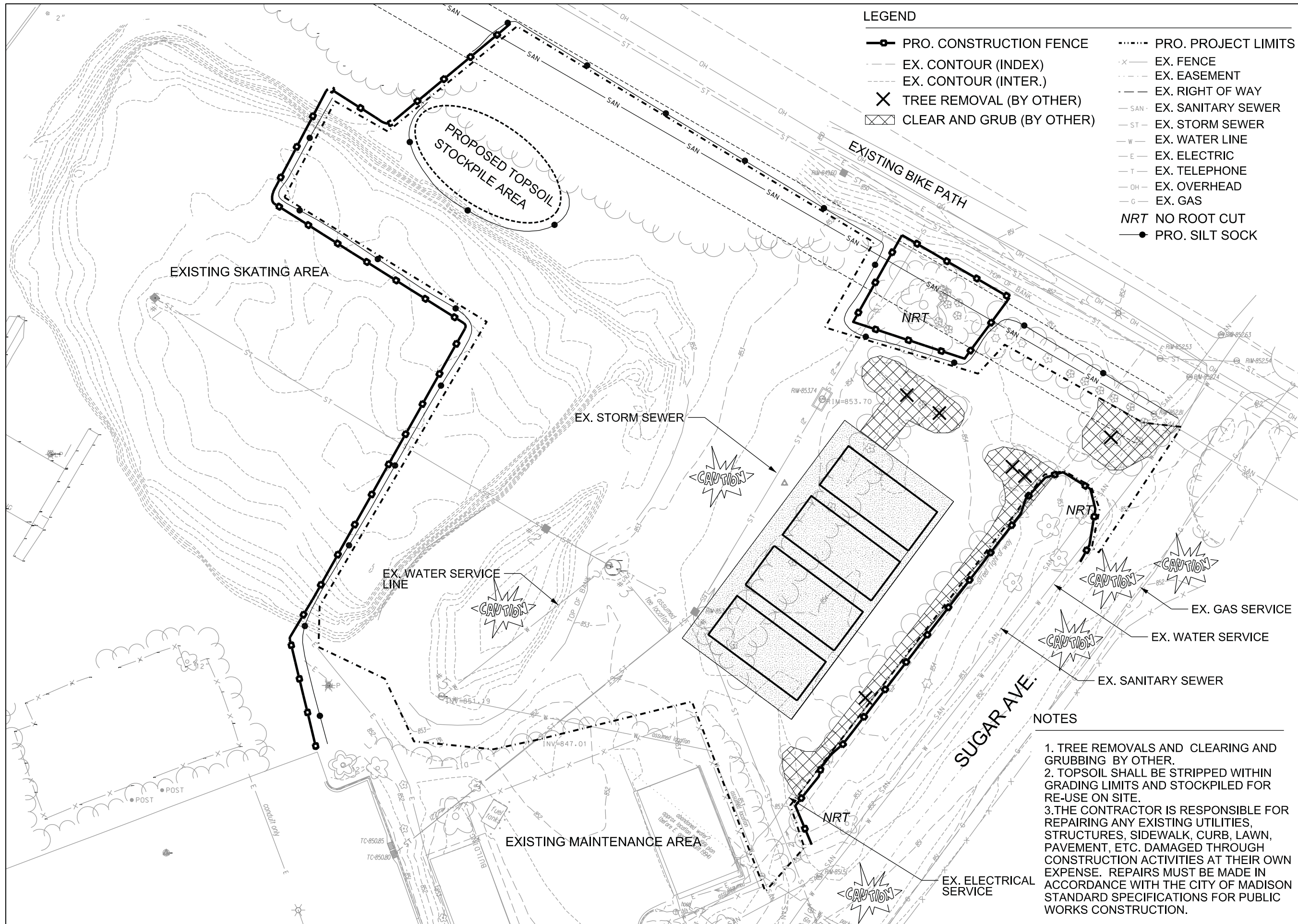
ITEM	DATE
Drawn by:	xx-xx-xxxx
Approved by:	xx-xx-xxxx

PUBLIC WORKS PROJECT #:
8275

SHEET TITLE:
EXISTING SITE PLAN

SHEET NUMBER:
1.2

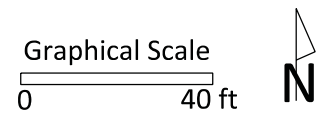
HOOP HOUSES AND GRAVEL PAD BY OTHER. TO BE COMPLETED PRIOR TO CONTRACT 8275 START TO WORK LETTER ISSUANCE.



- LEGEND**
- PRO. CONSTRUCTION FENCE
 - - - EX. CONTOUR (INDEX)
 - - - EX. CONTOUR (INTER.)
 - ✕ TREE REMOVAL (BY OTHER)
 - ▨ CLEAR AND GRUB (BY OTHER)
 - ⋯ PRO. PROJECT LIMITS
 - x- EX. FENCE
 - - - EX. EASEMENT
 - - - EX. RIGHT OF WAY
 - SAN- EX. SANITARY SEWER
 - ST- EX. STORM SEWER
 - W- EX. WATER LINE
 - E- EX. ELECTRIC
 - T- EX. TELEPHONE
 - OH- EX. OVERHEAD
 - G- EX. GAS
 - NRT NO ROOT CUT
 - PRO. SILT SOCK

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PROJECT:
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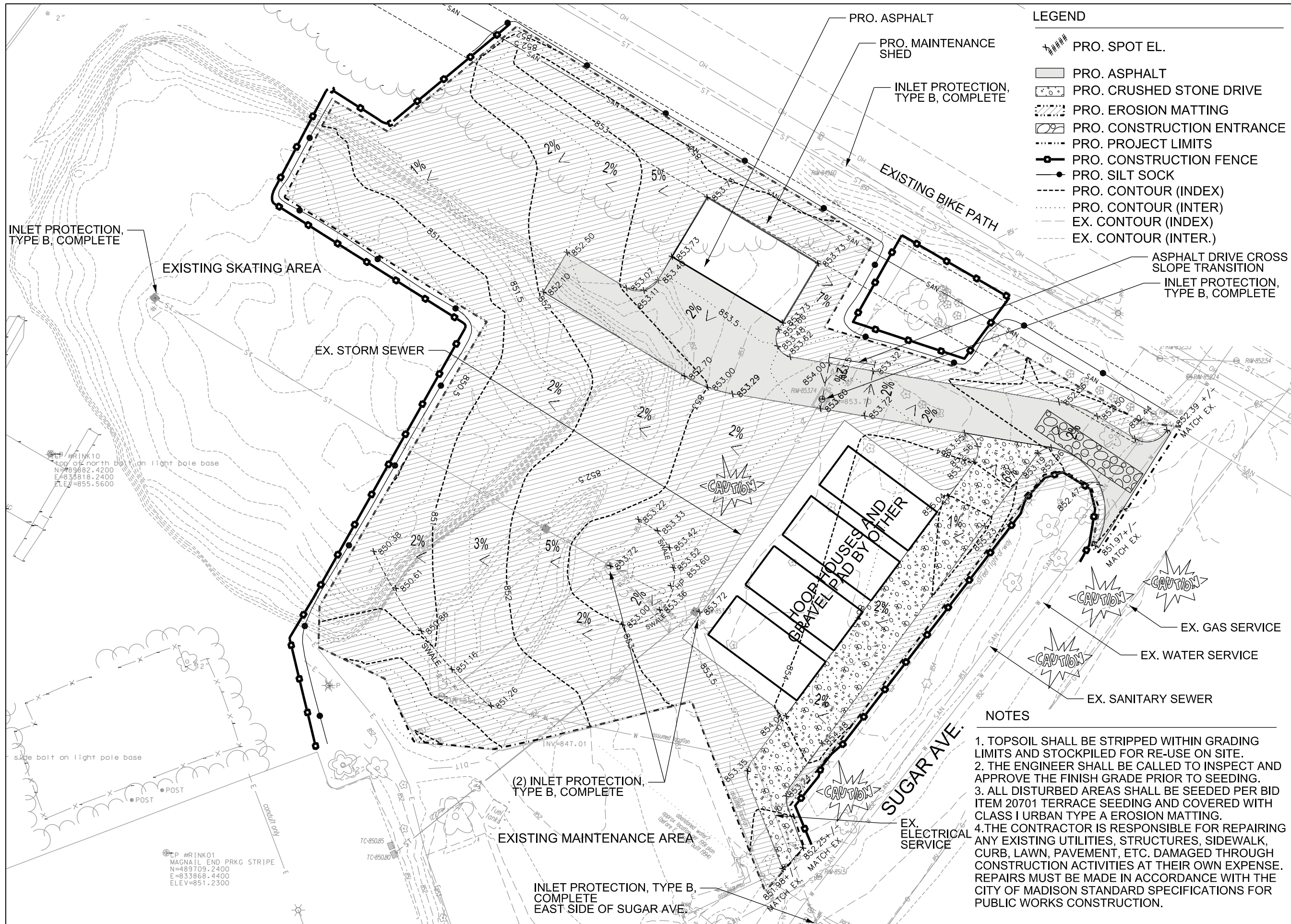
ITEM	DATE
Drawn by: MS	07-10-18

- NOTES**
1. TREE REMOVALS AND CLEARING AND GRUBBING BY OTHER.
 2. TOPSOIL SHALL BE STRIPPED WITHIN GRADING LIMITS AND STOCKPILED FOR RE-USE ON SITE.
 3. 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.

PUBLIC WORKS PROJECT #:
8275

SHEET TITLE:
SITE DEMOLITION
AND PROTECTION
PLAN

SHEET NUMBER:
2.1

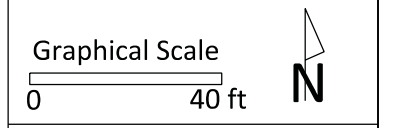


LEGEND

- ##### PRO. SPOT EL.
- ▭ PRO. ASPHALT
- ▭ PRO. CRUSHED STONE DRIVE
- ▨ PRO. EROSION MATTING
- ▭ PRO. CONSTRUCTION ENTRANCE
- PRO. PROJECT LIMITS
- PRO. CONSTRUCTION FENCE
- PRO. SILT SOCK
- - - - - PRO. CONTOUR (INDEX)
- · · · · PRO. CONTOUR (INTER)
- - - - - EX. CONTOUR (INDEX)
- · · · · EX. CONTOUR (INTER.)

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PROJECT:
OLBRICH PARK MAINTENANCE SHED

OLBRICH PARK 3527 ATWOOD AVE. MADISON, WI

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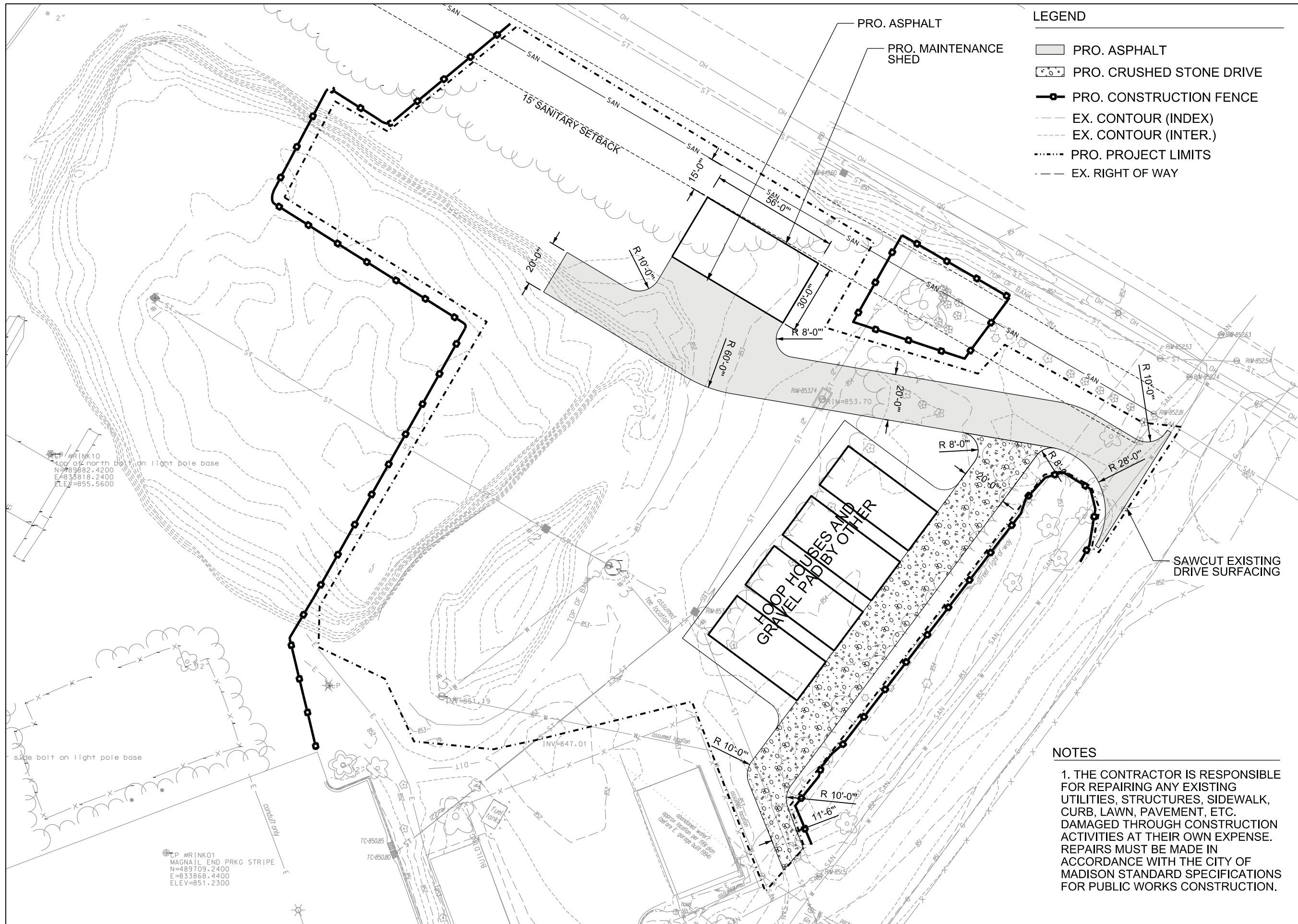
ITEM	DATE
Drawn by: MS	07-10-18

PUBLIC WORKS PROJECT #:
8275

SHEET TITLE:
GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:
3.1

- NOTES**
1. TOPSOIL SHALL BE STRIPPED WITHIN GRADING LIMITS AND STOCKPILED FOR RE-USE ON SITE.
 2. THE ENGINEER SHALL BE CALLED TO INSPECT AND APPROVE THE FINISH GRADE PRIOR TO SEEDING.
 3. ALL DISTURBED AREAS SHALL BE SEEDING PER BID ITEM 20701 TERRACE SEEDING AND COVERED WITH CLASS I URBAN TYPE A EROSION MATTING.
 4. 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.



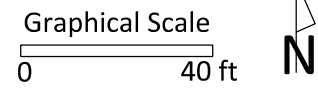
LEGEND

- PRO. ASPHALT
- PRO. CRUSHED STONE DRIVE
- PRO. CONSTRUCTION FENCE
- EX. CONTOUR (INDEX)
- EX. CONTOUR (INTER.)
- PRO. PROJECT LIMITS
- EX. RIGHT OF WAY

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PROJECT:
OLBRICH PARK
MAINTENANCE
SHED

OLBRICH PARK
3527 ATWOOD AVE.
MADISON, WI

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PUBLIC WORKS PROJECT #:
8275

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
4.1

NOTES

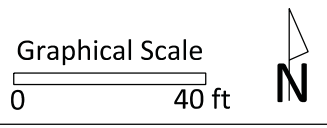
1. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

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	48197	0.50	24098	892.5	0%	892.5
	Grass to Grass	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-6in	48197	varies	4973	184.2	0%	184.2
	Grass to Grass	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-6in	48197	varies	-20610	-763.3	0%	-763.3
	Grass to Grass	Topsoil Place	Place 6in topsoil	n/a	n/a	48197	-0.50	-24098	-892.5	0%	-892.5
	Grass to Asphalt	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	7455	0.50	3727	138.1	0%	138.1
	Grass to Asphalt	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12.5in	7455	varies	3704	137.2	0%	137.2
	Grass to Asphalt	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12.5in	7455	varies	-1909	-70.7	0%	-70.7
	Grass to Asphalt	Gravel (for Pavement) Place	Place 8in gravel base out to 6in from pavement edge	n/a	n/a	7455	-0.71	-5293	-196.0	0%	-196.0
	Grass to Asphalt	Asphalt Place	Place 3.5 in asphalt	n/a	n/a	7455	-0.29	-2162	-80.1	0%	-80.1
	Grass to Crushed Stone Drive	Topsoil Excavate	Strip 6in topsoil	n/a	n/a	4152	0.50	2076	76.9	0%	76.9
	Grass to Crushed Stone Drive	Subsoil Excavate	Cut subsoil to proposed subgrade	Ex-6in	Pro-12in	4152	varies	526	19.5	0%	19.5
	Grass to Crushed Stone Drive	Subsoil Place	Fill subsoil to proposed subgrade	Ex-6in	Pro-12in	4152	varies	-504	-18.7	0%	-18.7
	Grass to Crushed Stone Drive	Crushed Stone Drive	Place 12in crushed stone	n/a	n/a	4152	-1.00	-4152	-153.8	0%	-153.8
	Grass to Building	Topsoil Excavate	Excavate 6in topsoil	n/a	n/a	1680	0.50	840	31.1	0%	31.1

Row Labels	Sum of Unfac-tored volume (cu yd)
Asphalt Place	-80.1
Gravel (for Pavement) Place	-196.0
Subsoil Excavate	340.8
Subsoil Place	-852.7
Topsoil Excavate	1107.5
Topsoil Place	-892.5
Crushed Stone Drive	-153.8
Grand Total	-726.8

Bid Item	Quantity	Units	Relation to Table Above
20101 Excavation Cut	1448	CY	=Subsoil Excavate + Topsoil Excavate
20202 Fill Borrow	512	CY	= Subsoil Excavate - Subsoil Place
20221 Topsoil	5345	SY	= Topsoil Place/.167 (depth)
40102 Crushed Aggregate Base Course Gradation No. 2 & 3	392.1	TONS	= (Gravel Place) * 2.0 ton/cubic yard
40201 HMA Pavement Type E-0.3	173.0	TONS	= Asphalt Place * 2.16 ton/cubic yard

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PROJECT:
**OLBRICH PARK
MAINTENANCE
SHED**

**OLBRICH PARK
3527 ATWOOD AVE.
MADISON, WI**

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ITEM	DATE
Drawn by: MS	07-10-18

PUBLIC WORKS PROJECT #:
8275

SHEET TITLE:
**EARTHWORK
COMPUTATIONS**

SHEET NUMBER:
5.1

PROJECT:
*OLBRICH PARK
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 SHED*

*OLBRICH PARK
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 MADISON, WI*

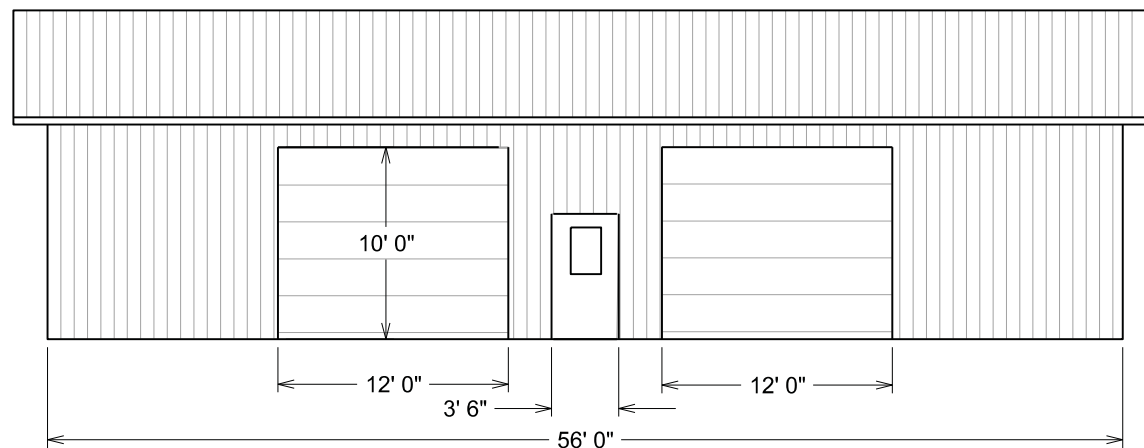
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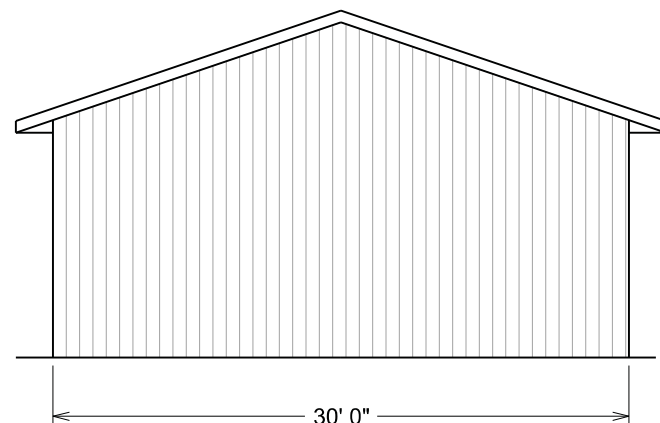
PUBLIC WORKS PROJECT #:
8275

SHEET TITLE:
*MAINTENANCE SHED
 SCHEMATIC PLANS*

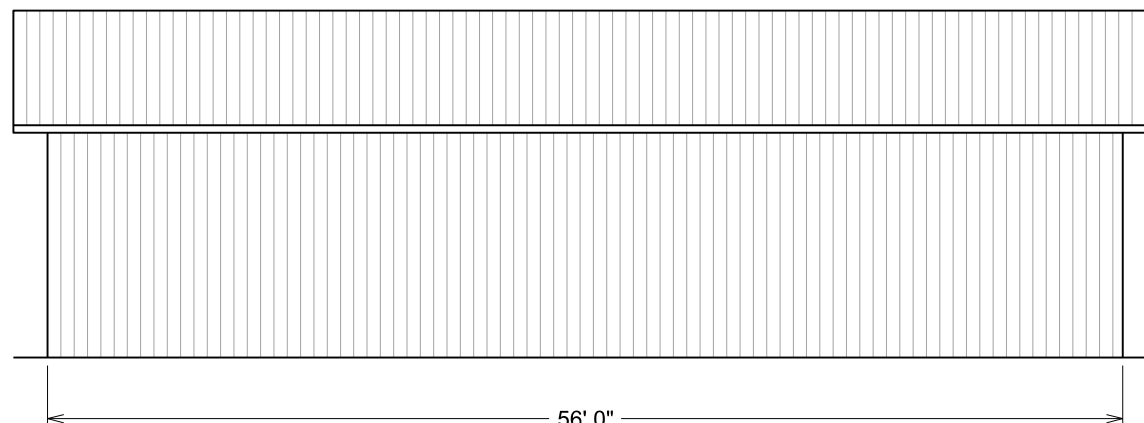
SHEET NUMBER:
6.1



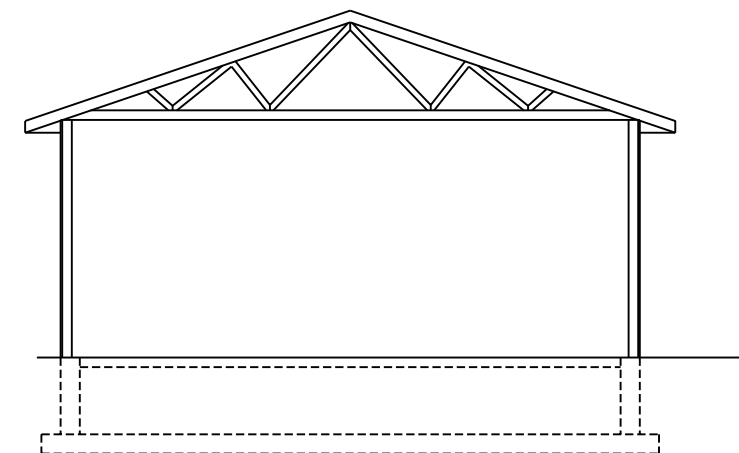
South Elevation



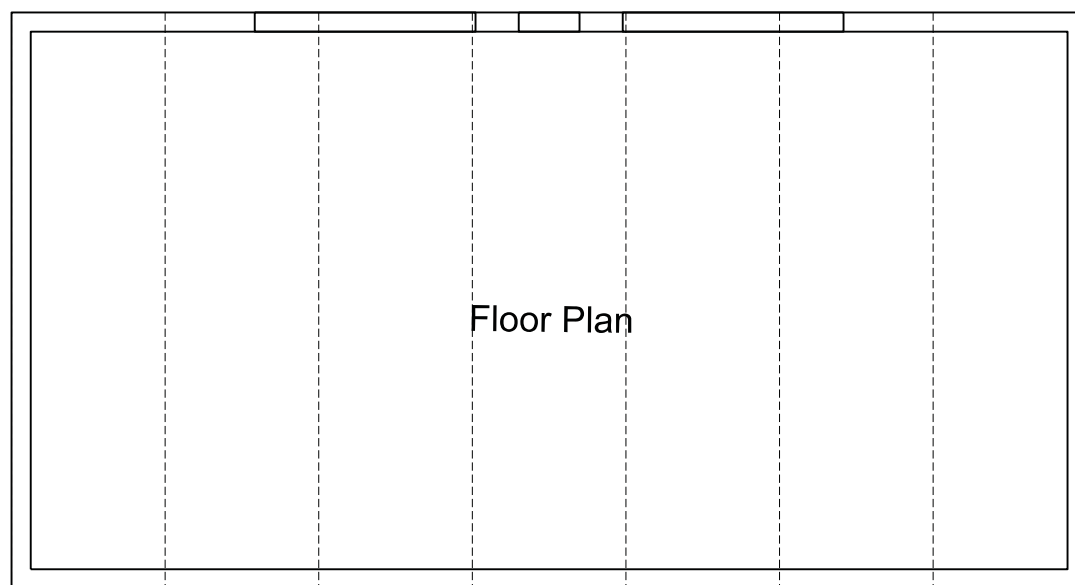
End Elevation



North Elevation



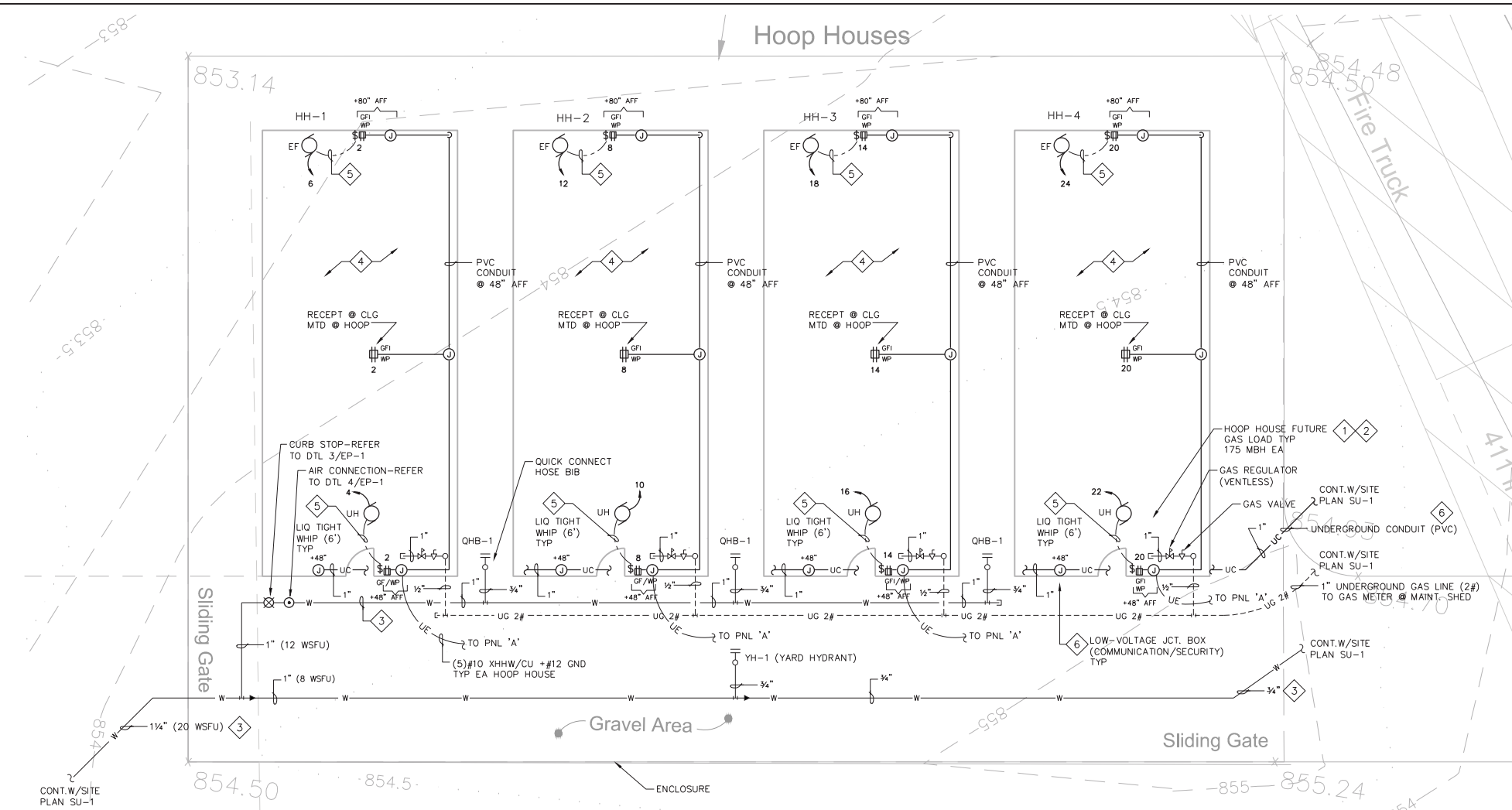
Section



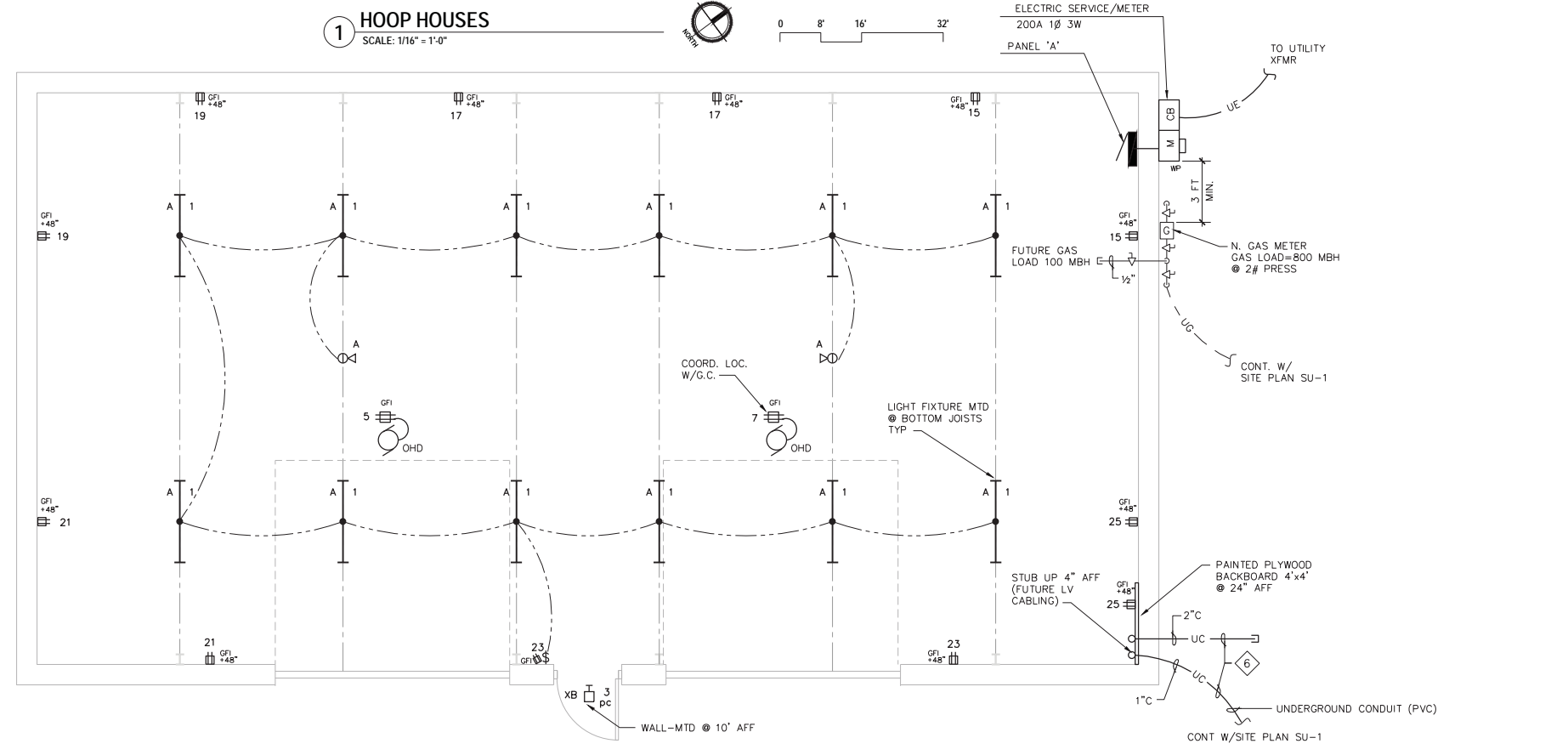
Floor Plan

NOTES

1. PLANS ARE SCHEMATIC AND FOR REFERENCE ONLY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRUCTURAL DESIGN AND REQUIRED STATE OF WISCONSIN REVIEWS/APPROVALS.
3. THE CONTRACTOR PROVIDED DESIGN SHALL BE STAMPED BY AN ARCHITECT OR PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WISCONSIN.
4. SEE BID ITEM 90009 MAINTENANCE SHED FOR STRUCTURE SPECIFICATIONS.



1 HOOP HOUSES
SCALE: 1/16" = 1'-0"



2 MAINTENANCE SHED - PLUMBING/ELECTRICAL
SCALE: 1/8" = 1'-0"

PLUMBING GENERAL NOTES:

1. PLUMBING CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS.
2. COORDINATE PHASING OF WORK WITH GENERAL CONTRACTOR.
3. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.

PLUMBING PLAN NOTES:

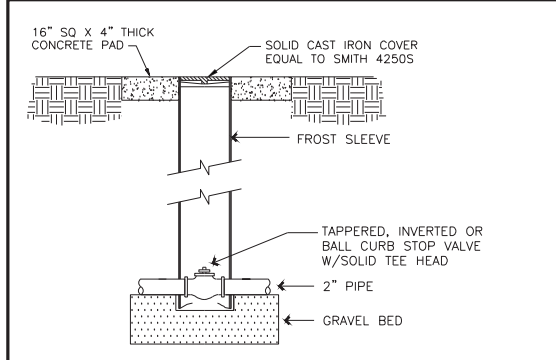
1. COORDINATE ROUGH-IN SERVICE OF NATURAL GAS PIPING IN HOOP HOUSES WITH GENERAL CONTRACTOR AND OWNER FOR FINAL GAS-FIRED UNIT HEATER LOCATION.
2. FINAL GAS CONNECTIONS BY OWNER.
3. PROVIDE 6-FOOT MINIMUM COVER FOR WATER LINE FREEZE PROTECTION.

ELECTRICAL GENERAL NOTES:

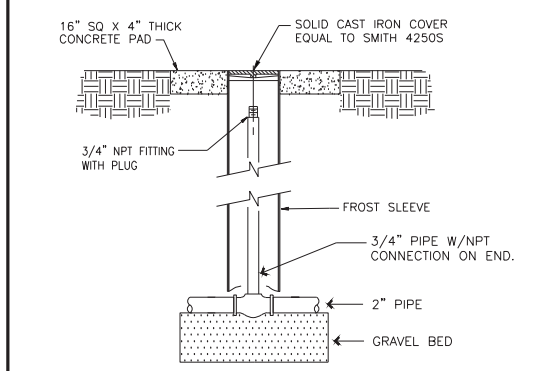
1. COORDINATE FINAL LIGHTING & DEVICE LAYOUT WITH GENERAL CONTRACTOR AND OWNER.
2. COORDINATE ELECTRICAL RACEWAYS ROUTING WITH GENERAL CONTRACTOR AND OTHER TRADES FOR PROPER EQUIPMENT ACCESS.
3. ALL RACEWAYS ARE TO BE EXPOSED IN ALL AREAS, EXCEPT UNDERGROUND RACEWAYS.
4. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL CONSTRUCTION CONDITIONS.
5. COORDINATE AND SCHEDULE ALL WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING.
6. ALL LIGHTS, RECEPTACLES AND MOTOR CONNECTIONS CIRCUITED TO PANEL 'A' UNLESS INDICATED OTHERWISE.
7. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.

ELECTRICAL POWER/LV PLAN NOTES:

4. ALL RACEWAYS IN HOOP HOUSES TO BE LIQUID TIGHT. ELECTRICAL PVC RIGID CONDUIT RACEWAYS AND LIQUID TIGHT FLEXIBLE CONDUIT RACEWAYS.
5. PROVIDE LIQUID TIGHT 6FT WHIP; FINAL MOTOR CONNECTION BY OWNER.
6. INSTALL (PVC) RACEWAYS 24" BELOW GRADE FOR LOW-VOLTAGE CABLING BY OTHERS.



3 WATER CURB STOP VALVE & BOX
N.T.S.



4 AUXILIARY AIR CONNECTION DETAIL
N.T.S.

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17 Applegate Court, Suite 200
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email: hein@heingr.com

PROJECT:
**OLBRICH PARK
MAINTENANCE
SHED**

**OLBRICH PARK
3527 ATWOOD AVE.
MADISON, WI**

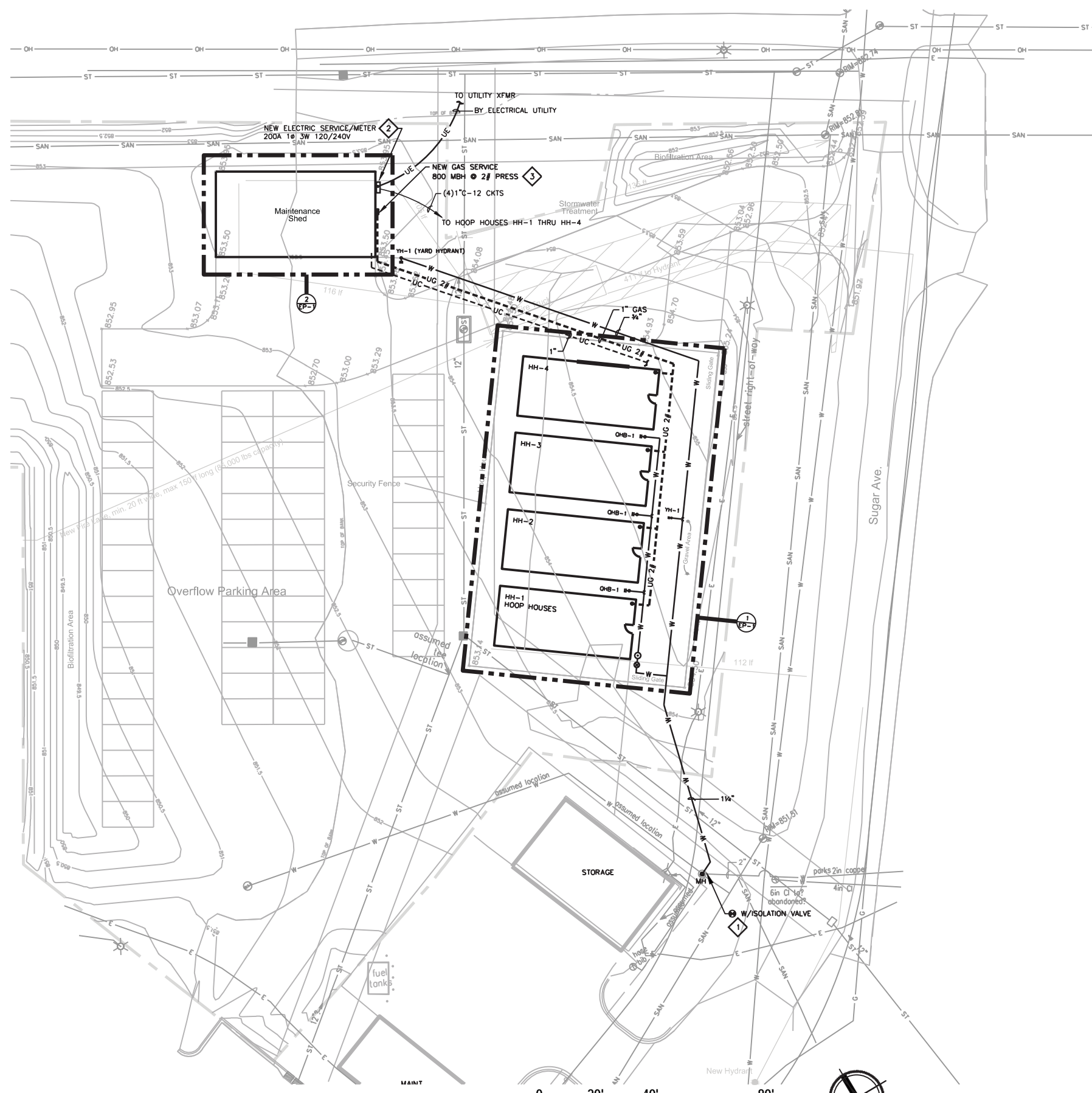
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ITEM	DATE
Drawn by: DS	07-09-2018
Approved by: MH	07-09-2018

PUBLIC WORKS PROJECT #:
8275

SHEET TITLE:
**HOOP HOUSES &
MAINTENANCE SHED -
ELECTRICAL/PLUMBING**

SHEET NUMBER:
EP-1



1 SITE UTILITY PLAN
SCALE: 1" = 40'-0"



SITE UTILITY PLAN NOTES:

1. WATER SERVICE SHALL BE BURIED TO A DEPTH OF 6 FEET. THE DEPTH IS DEFINED AS THE DISTANCE BETWEEN THE FINISHED GRADE ELEVATION AND THE TOP OF WATER MAIN OR SERVICE.
2. ANY UTILITIES WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
3. ALL UNDERGROUND EXTERIOR NON-METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORDANCE WITH 182.0715(2) OF STATE STATUTES.
4. CONTRACTOR SHALL VERIFY MATERIAL, SIZE, AND INVERT OF SANITARY SEWER, WATER MAIN, AND STORM SEWER PRIOR TO CONSTRUCTION.
5. COORDINATE NEW ELECTRIC SERVICE INSTALLATION WITH MG&E. OWNER TO PAY ALL NEW SERVICE FEES.

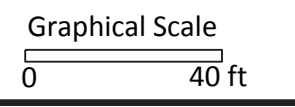
SITE UTILITY PLAN NOTES:

- 1 CORE DRILL NEW OPENING IN EXISTING MANHOLE FOR NEW WATER CONNECTION AND SEAL WATER TIGHT. PROVIDE ISOLATION BALL VALVE FOR NEW BRANCH PIPING. EXISTING WATER LINE IS PRIVATE 2" LINE FROM PARKS DIV. PROPERTY.
- 2 COORDINATE NEW ELECTRIC SERVICE WITH MG&E.
- 3 COORDINATE NEW GAS SERVICE WITH MG&E.

SYMBOL SCHEDULE	
— SAN —	EXISTING SANITARY SEWER
— W —	EXISTING WATER SERVICE
— ST —	EXISTING STORM SEWER
— UE —	EXISTING UNDERGROUND ELECTRICAL SERVICE
— T —	EXISTING TELEPHONE
— W —	WATER SERVICE
— UE —	UNDERGROUND ELECTRICAL SERVICE
- - - UC - - -	UNDERGROUND CONDUIT
- - - UG - - -	UNDERGROUND NATURAL GAS SERVICE
⊕	CONNECT TO EXISTING
⊗	ELECTRICAL TRANSFORMER
⊞	TELEPHONE PEDESTAL
⊠	ELECTRIC METER
HO YD	YARD HYDRANT
HO GHB	QUICK-CONNECT HOSE BIB
○ MH	EXISTING MANHOLE

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Phone: (608) 288-9260
email: hein@heinengrp.com

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

PUBLIC WORKS PROJECT #:
8275

SHEET TITLE:
SITE UTILITY PLAN

SHEET NUMBER:
SU-1