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DRAWN BY: FOV CHECKED BY: TDN  
Printed by: cdawson on Jul 31, 2023 - 10:12am  
C:\Users\cdawson\appdata\local\temp\AcPublish\_9092\5\5\1\51 Fawn Lake Sand Lake Survey.dwg



VICINITY MAP  
NOT TO SCALE

SURVEYOR'S NOTES

- 1) ALL EASEMENTS AND/OR LEASE AREAS SHOWN AND NOT LABELED AS EXISTING SHALL BE PENDING UNTIL RECORDED.
- 2) AN ATTEMPT WAS MADE TO LOCATE ALL PROPERTY CORNERS AND MONUMENTS. WHERE NO MONUMENTS WERE FOUND, THE PROPERTY LINE WAS DRAWN BASED ON RECORDED AND/OR FILED DOCUMENTS.
- 3) NOT TO BE USED AS CONSTRUCTION DRAWINGS.
- 4) LOCATION OF UTILITIES EXISTING ON OR SERVING THE SURVEYED PROPERTY WAS DETERMINED BY OBSERVED EVIDENCE, EVIDENCE FROM PLANS PROVIDED TO THE SURVEYOR OR MARKINGS PURSUANT TO A UTILITY LOCATE REQUESTED BY THE SURVEYOR. WISCONSIN DIGGER'S HOTLINE UTILITY LOCATE NUMBER 20231911833.
- 5) FIELDWORK WAS PERFORMED BY RAMAKER & ASSOCIATES AND REVIEWED BY TRENT D. NELSON, WISCONSIN SURVEYOR NUMBER 3132-8.
- 6) THE PURPOSE OF THIS SURVEY IS TO ESTABLISH AND DESCRIBE A LEASE AREA AND ASSOCIATED EASEMENTS FOR TELECOMMUNICATIONS EQUIPMENT. THIS IS NOT A BOUNDARY SURVEY OF THE PARENT PARCEL & THEREFORE RESETTING MISSING PROPERTY IRONS IS OUTSIDE THE SCOPE OF THE WORK BEING PERFORMED.
- 7) AT TIME OF SURVEY, THERE WERE NO ENCROACHMENTS AFFECTING THE VBTS LEASE AREA OR ASSOCIATED EASEMENTS.
- 8) THE VBTS LEASE AREA AND ASSOCIATED EASEMENTS LIE WITHIN THE PARENT PARCEL.
- 9) THE VBTS 30' WIDE ACCESS & UTILITY EASEMENT TERMINATES AT THE SOUTHERLY PUBLIC RIGHT-OF-WAY OF FAWN LAKE ROAD.
- 10) PARENT PARCEL DESCRIPTION FROM RECORDED AND/OR FILED DOCUMENTS.
- 11) THIS MAP WAS PREPARED WITH THE AID OF A TITLE REPORT BY TOWER TITLE, LLC, FILE NUMBER: VTB-143008-C, DOCUMENT DATE: 05/12/2023.
- 12) BEARINGS ARE REFERENCED TO THE SOUTH LINE OF GOVERNMENT LOT 7 AND THE SOUTH LINE OF THE SE 1/4 OF SECTION 33, T38N, R7E, MEASURED TO BEAR S89° 56' 40"E BY GPS GRID USING THE WISCONSIN COUNTY COORDINATE SYSTEM, ONEIDA COUNTY, U.S. FOOT.
- 13) VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988.
- 14) F.E.M.A. FLOOD PANEL MAP NUMBER 55085C0555C, ZONE X (AREA OF MINIMAL FLOOD HAZARD)

TITLE REVIEW

PREPARED BY: TOWER TITLE, LLC  
DOCUMENT NUMBER: VTB-143008-C  
COMMITMENT DATE: 05/12/2023

SCHEDULE B - PART 2 EXCEPTIONS:

1. - 8. (GENERAL EXCEPTIONS.)
9. (NON-SURVEY EXCEPTION.)

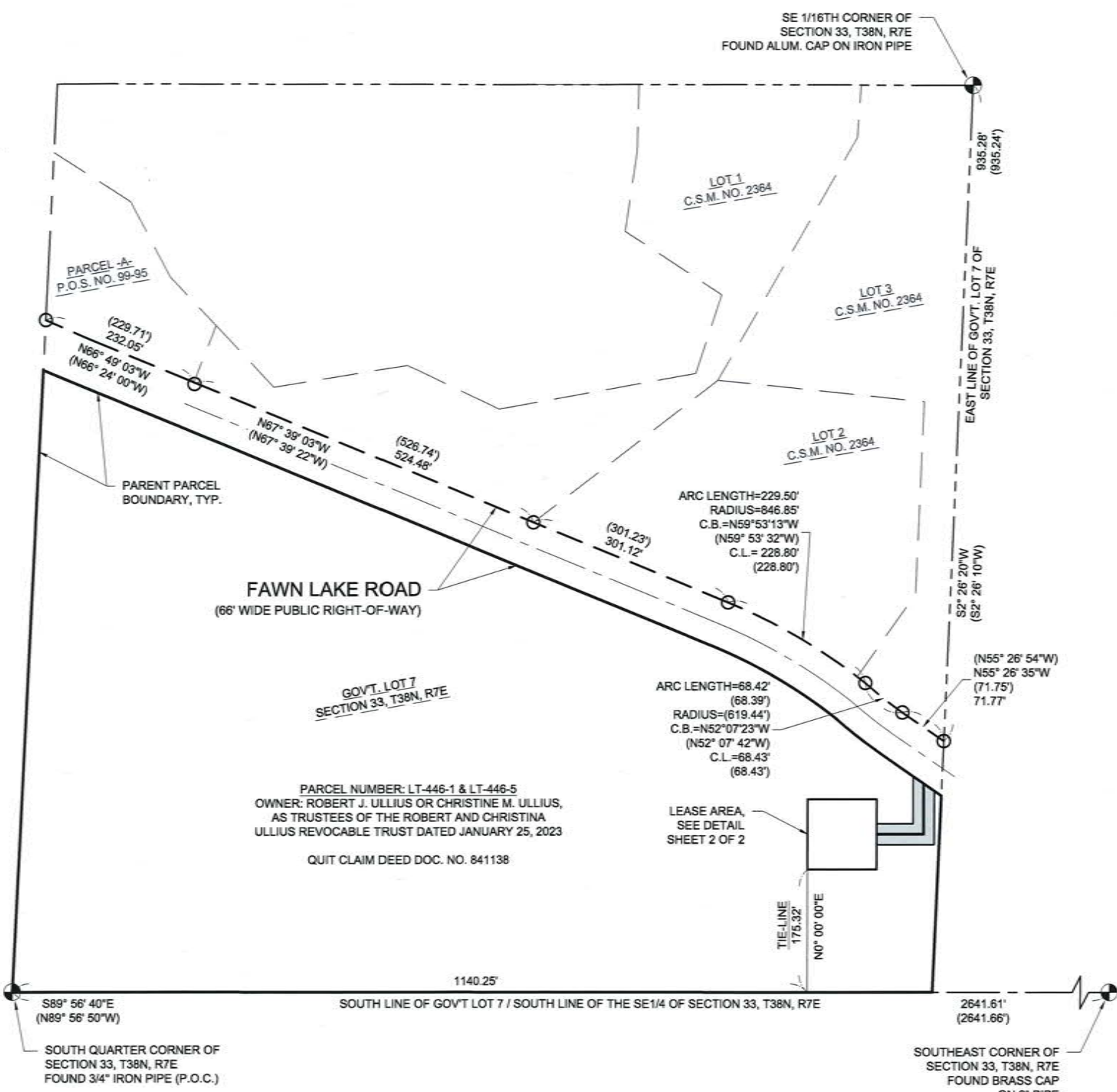
10. TERMS AND CONDITIONS OF AN UNRECORDED AGREEMENT, AS EVIDENCED BY A(N) HOLDING TANK AGREEMENT BETWEEN ROBERT & CHRISTINE ULLIUS AND ONEIDA COUNTY, DATED AUGUST 20, 2021 AND RECORDED AUGUST 23, 2021 IN (INSTRUMENT) 824510, IN ONEIDA COUNTY, WISCONSIN. (NON-SURVEY EXCEPTION.)

PARENT PARCEL DESCRIPTION PER TITLE REPORT  
(PARCEL NUMBERS: LT-446-1 & LT-446-5)

THE FOLLOWING DESCRIBED REAL ESTATE IN THE COUNTY OF ONEIDA STATE OF WISCONSIN:  
ALL THAT PART OF GOVERNMENT LOT 7, SECTION 33, TOWNSHIP 38 NORTH, RANGE 7 EAST, LAKE TOMAHAWK TOWNSHIP, LYING SOUTHERLY OF FAWN LAKE ROAD AS IT NOW EXISTS.

PARCEL ID#: LT-446-1 AND LT-446-5

THIS BEING A PORTION OF THE SAME PROPERTY CONVEYED TO ROBERT J. ULLIUS OR CHRISTINE M. ULLIUS, AS TRUSTEES OF THE ROBERT AND CHRISTINA ULLIUS REVOCABLE TRUST DATED JANUARY 25, 2023 FROM ROBERT J. ULLIUS AND CHRISTINE M. ULLIUS, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY, IN A QUIT CLAIM DEED DATED JANUARY 25, 2023, AND RECORDED FEBRUARY 17, 2023, AS INSTRUMENT NO. 841138, IN ONEIDA COUNTY, WISCONSIN.



100' X 100' LEASE AREA METES & BOUNDS DESCRIPTION

A PORTION OF LAND LOCATED IN PART OF GOVERNMENT LOT SEVEN (7), SECTION THIRTY-THREE (33), TOWNSHIP THIRTY-EIGHT (38) NORTH, RANGE SEVEN (7) EAST, LAKE TOMAHAWK TOWNSHIP, ONEIDA COUNTY, WISCONSIN AND BEING FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND 3/4" IRON PIPE LOCATING THE SOUTHWEST CORNER OF SAID GOVERNMENT LOT 7, BEING THE SOUTH QUARTER CORNER OF SAID SECTION 33; THENCE S89°56'40"E, 1140.25 FEET ALONG THE SOUTH LINE OF SAID GOVERNMENT LOT 7; THENCE N0°00'00"E, 175.32 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING N0°00'00"E, 100.00 FEET; THENCE N90°00'00"E, 100.00 FEET; THENCE S0°00'00"E, 100.00 FEET; THENCE N90°00'00"W, 100.00 FEET TO THE POINT OF BEGINNING. SAID LEASE AREA CONTAINS 10,000 SQUARE FEET (0.23 ACRES) AND IS SUBJECT TO ANY AND ALL EASEMENTS OR AGREEMENTS, RECORDED OR UNRECORDED.

30' WIDE ACCESS & UTILITY EASEMENT CENTERLINE DESCRIPTION

A PORTION OF LAND LOCATED IN PART OF GOVERNMENT LOT SEVEN (7), SECTION THIRTY-THREE (33), TOWNSHIP THIRTY-EIGHT (38) NORTH, RANGE SEVEN (7) EAST, LAKE TOMAHAWK TOWNSHIP, ONEIDA COUNTY, WISCONSIN AND WHOSE CENTERLINE IS FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND 3/4" IRON PIPE LOCATING THE SOUTHWEST CORNER OF SAID GOVERNMENT LOT 7, BEING THE SOUTH QUARTER CORNER OF SAID SECTION 33; THENCE S89°56'40"E, 1140.25 FEET ALONG THE SOUTH LINE OF SAID GOVERNMENT LOT 7; THENCE N0°00'00"E, 175.32 FEET TO THE SOUTHWEST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE S90°00'00"E, 100.00 FEET TO THE SOUTHEAST CORNER OF THE AFOREMENTIONED LEASE AREA; THENCE N0°00'00"W, 50.00 FEET ALONG THE EAST LINE OF THE AFOREMENTIONED LEASE AREA TO THE POINT OF BEGINNING; THENCE N90°00'00"E, 67.50 FEET; THENCE N0°00'00"E, 71.94 FEET TO THE SOUTHERLY PUBLIC RIGHT-OF-WAY OF FAWN LAKE ROAD AND THE POINT OF TERMINATION. SAID ACCESS & UTILITY EASEMENT CENTERLINE CONTAINS 139.44 LINEAR FEET, MORE OR LESS, AND IS SUBJECT TO ANY AND ALL EASEMENTS OR AGREEMENTS, RECORDED OR UNRECORDED. SIDELINES OF SAID EASEMENT SHALL BE LENGTHENED OR SHORTENED TO TERMINATE AT THE SOUTHERLY PUBLIC RIGHT-OF-WAY OF FAWN LAKE ROAD.

**LEGEND**

- SECTION CORNER
- 1" IRON PIPE, FOUND
- POINT OF COMMENCEMENT
- PREVIOUS SURVEY OR RECORD INFO.
- PARENT PARCEL BOUNDARY
- EXISTING RIGHT-OF-WAY
- EXISTING LOT LINE
- EXISTING STREET CENTERLINE
- LEASE AREA
- EASEMENT SIDELINE
- EASEMENT CENTERLINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER-QUARTER SECTION LINE

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VERTICAL BRIDGE VBTS, LLC



Certification & Seal:  
I hereby certify to: Vertical Bridge REIT, LLC, a Delaware limited liability company, its subsidiaries, and their respective successors and/or assigns; and (i) Toronto Dominion (Texas) LLC, as Administrative Agent, for itself and on behalf of the lenders parties from time to time to that certain Second Amended and Restated Loan Agreement dated June 17, 2016 with Vertical Bridge Holdco, LLC, as borrower, and Vertical Bridge Holdco Parent, LLC, as parent, as may be amended, restated, modified or renewed, their successors and assigns as their interests may appear; and Tower Title, LLC; that this Survey Document was prepared and the related Survey Work was performed by me or under my direct personal supervision and that I am a duly Licensed Land Surveyor under the Laws of the State of Wisconsin.



Trent D. Nelson, PLS  
License Number: 3132-8

REV	DATE	DESCRIPTION
1	7/31/23	UPDATES PER CLIENT REVIEW

FAWN LAKE SAND LAKE VERTICAL BRIDGE VBTS, LLC US-WI-5528

PROJECT ADDRESS:  
8307 FAWN LAKE ROAD  
HARSHAW, WI 54529  
ONEIDA COUNTY

LEASE SURVEY

SCALE: NONE

PROJECT NUMBER	58181
SHEET NUMBER	1 OF 2

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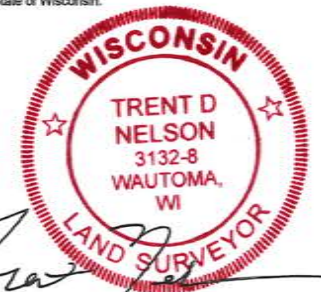
**VERTICAL BRIDGE  
VBTS, LLC**



NORTH

Certification & Seal:

I hereby certify to: Vertical Bridge REIT, LLC, a Delaware limited liability company, its subsidiaries, and their respective successors and/or assigns; and (i) Toronto Dominion (Texas) LLC, as Administrative Agent, for itself and on behalf of the lenders parties from time to time to that certain Second Amended and Restated Loan Agreement dated June 17, 2016 with Vertical Bridge Holdco, LLC, as borrower, and Vertical Bridge Holdco Parent, LLC, as parent, as may be amended, restated, modified or renewed, their successors and assigns as their interests may appear; and Tower Title, LLC; that this Survey Document was prepared and the related Survey Work was performed by me or under my direct personal supervision and that I am a duly Licensed Land Surveyor under the Laws of the State of Wisconsin.



Trent D. Nelson, PLS  
License Number: 3132-8

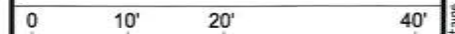
REV	DATE	DESCRIPTION
1	7/31/23	UPDATES PER CLIENT REVIEW

ISSUE PHASE	FINAL	DATE ISSUED	07/31/2023
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PROJECT TITLE:  
**FAWN LAKE SAND LAKE  
VERTICAL BRIDGE VBTS, LLC  
US-WI-5528**

PROJECT ADDRESS:  
8307 FAWN LAKE ROAD  
HARSHAW, WI 54529  
ONEIDA COUNTY

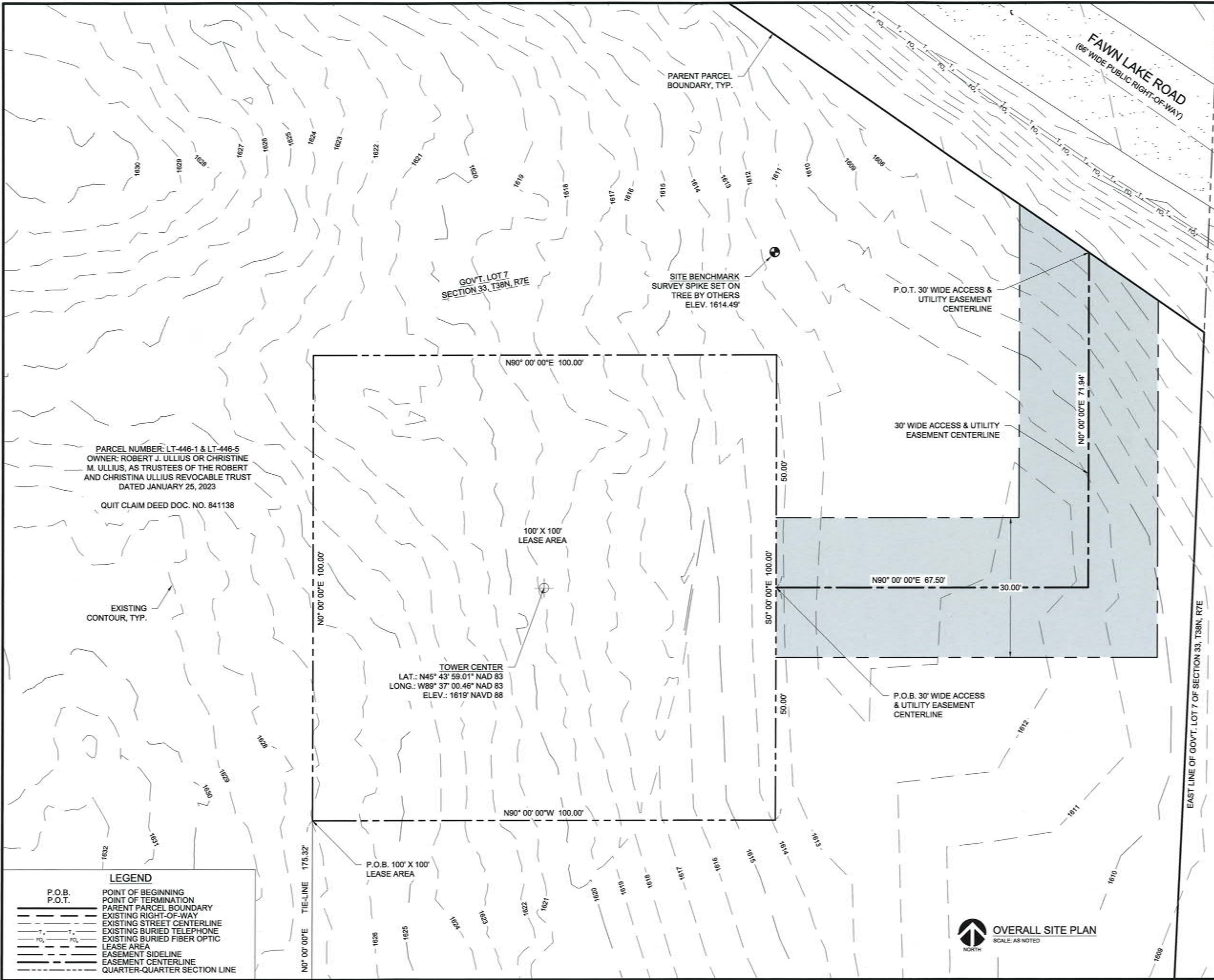
SHEET TITLE:  
**LEASE SURVEY**



11" x 17" - 1" = 20'  
22" x 34" - 1" = 10'

PROJECT NUMBER: 58181  
SHEET NUMBER: 2 OF 2

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PARCEL NUMBER: LT-446-1 & LT-446-5  
OWNER: ROBERT J. ULLIUS OR CHRISTINE M. ULLIUS, AS TRUSTEES OF THE ROBERT AND CHRISTINA ULLIUS REVOCABLE TRUST DATED JANUARY 25, 2023  
QUIT CLAIM DEED DOC. NO. 841138

EXISTING CONTOUR, TYP.

TOWER CENTER  
LAT.: N45° 43' 59.01" NAD 83  
LONG.: W89° 37' 00.46" NAD 83  
ELEV.: 1619' NAVD 88

SITE BENCHMARK SURVEY SPIKE SET ON TREE BY OTHERS ELEV. 1614.49'

GOV'T. LOT 7 SECTION 33, T38N, R7E

100' X 100' LEASE AREA

30' WIDE ACCESS & UTILITY EASEMENT CENTERLINE

P.O.B. 30' WIDE ACCESS & UTILITY EASEMENT CENTERLINE

P.O.T. 30' WIDE ACCESS & UTILITY EASEMENT CENTERLINE

P.O.B. 100' X 100' LEASE AREA

OVERALL SITE PLAN  
SCALE: AS NOTED

LEGEND

- P.O.B. POINT OF BEGINNING
- P.O.T. POINT OF TERMINATION
- PARENT PARCEL BOUNDARY
- - - EXISTING RIGHT-OF-WAY
- - - EXISTING STREET CENTERLINE
- - - EXISTING BURIED TELEPHONE
- - - EXISTING BURIED FIBER OPTIC
- - - LEASE AREA
- - - EASEMENT SIDELINE
- - - EASEMENT CENTERLINE
- - - QUARTER-QUARTER SECTION LINE

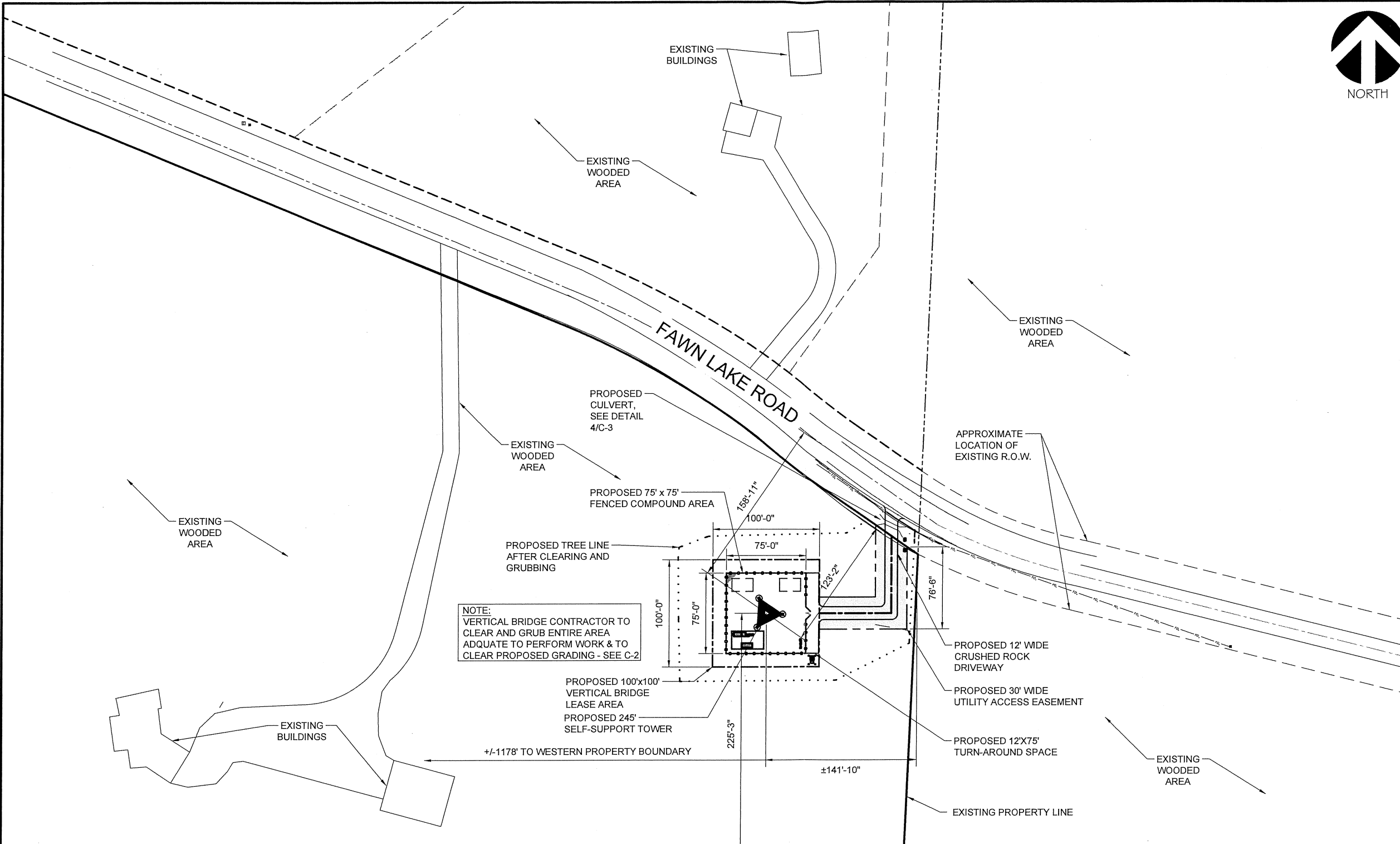


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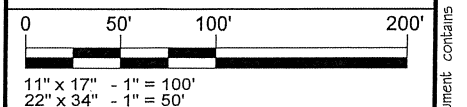


MARK	DATE	DESCRIPTION
ISSUE	PRELIMINARY	DATE ISSUED 06/15/23

PROJECT TITLE:  
**FAWN LAKE SAND LAKE**

PROJECT INFORMATION:  
 8307 FAWN LAKE ROAD  
 HARSHAW, WI 54529  
 ONEIDA COUNTY

SHEET TITLE:  
**LOCATION PLAN**



**LOCATION PLAN**  
 SCALE: 1" = 100'



PROPOSED GRAVEL FOR ENTIRE COMPOUND AREA, SEE DETAIL 1/C-3

FUTURE CARRIER LEASE AREA BY OTHERS, (TYP.)

PROPOSED 245' SELF-SUPPORT TOWER

PROPOSED VERIZON H-FRAME, SEE SHEET VW B-2, FOOTINGS SIMILAR TO DETAIL 1/VW ANT-4

PROPOSED 4'X11' CONCRETE PAD FOR VERIZON EQUIPMENT TO BE INSTALLED BY VERTICAL BRIDGE. SEE SHEET C-8.

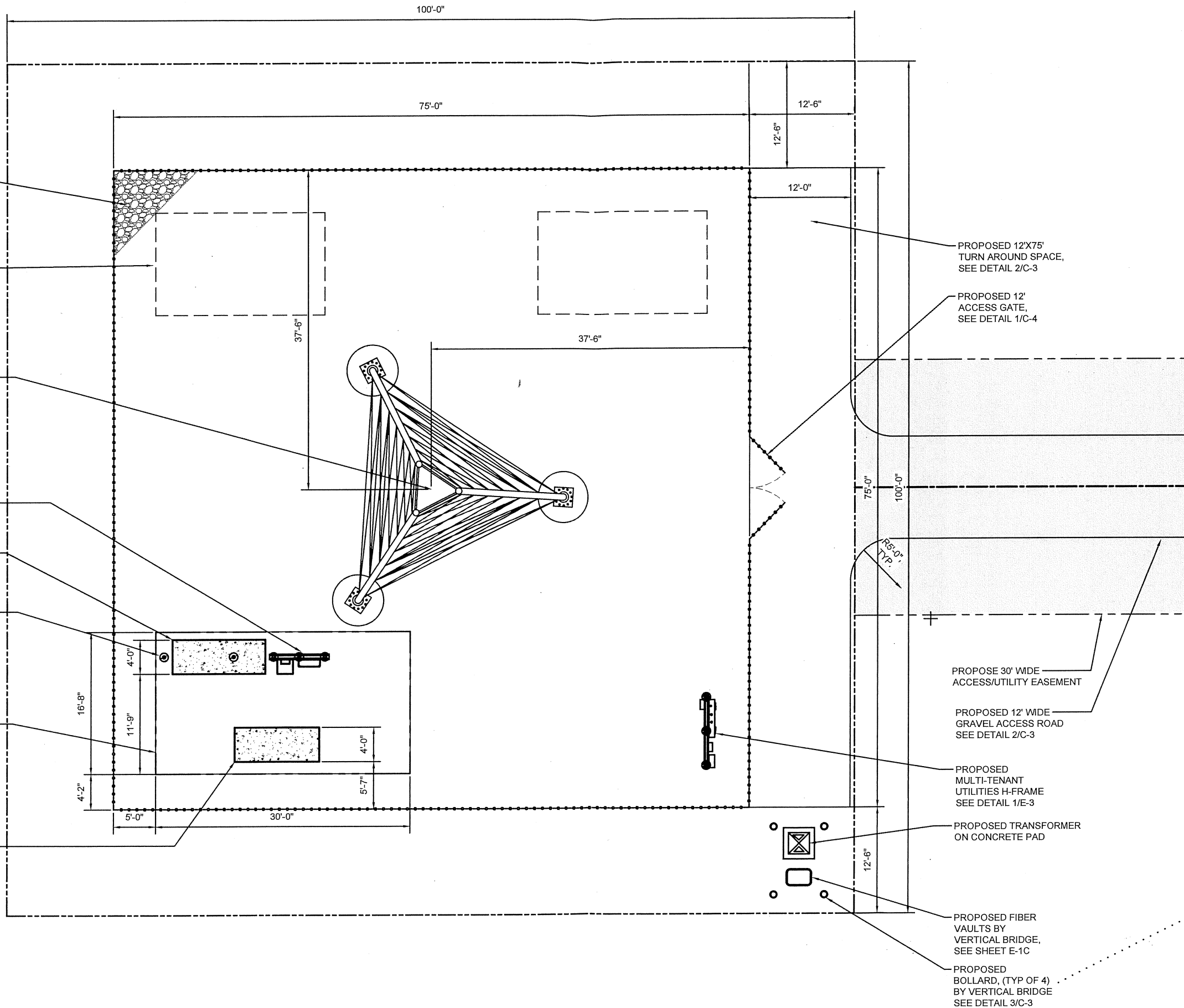
PROPOSED VERIZON EQUIPMENT CANOPY POST, SEE SHEET VW B-2, FOOTINGS SIMILAR TO DETAIL 1/VW ANT-4

PROPOSED VERIZON 16'-8"X30'-0" (500 SQ. FT.) LEASE AREA

PROPOSED 4' X 10' CONCRETE PAD FOR VERIZON GENERATOR TO BE INSTALLED BY VERTICAL BRIDGE. SEE SHEET C-9.



OTHER UTILITIES NOT INCLUDED IN DIGGERS HOTLINE AND LOCAL UTILITY DISTRICTS AND COMPANIES SHALL ALSO BE NOTIFIED



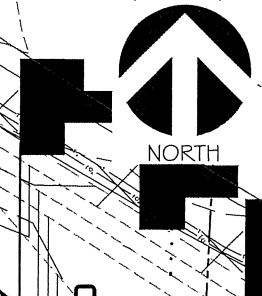
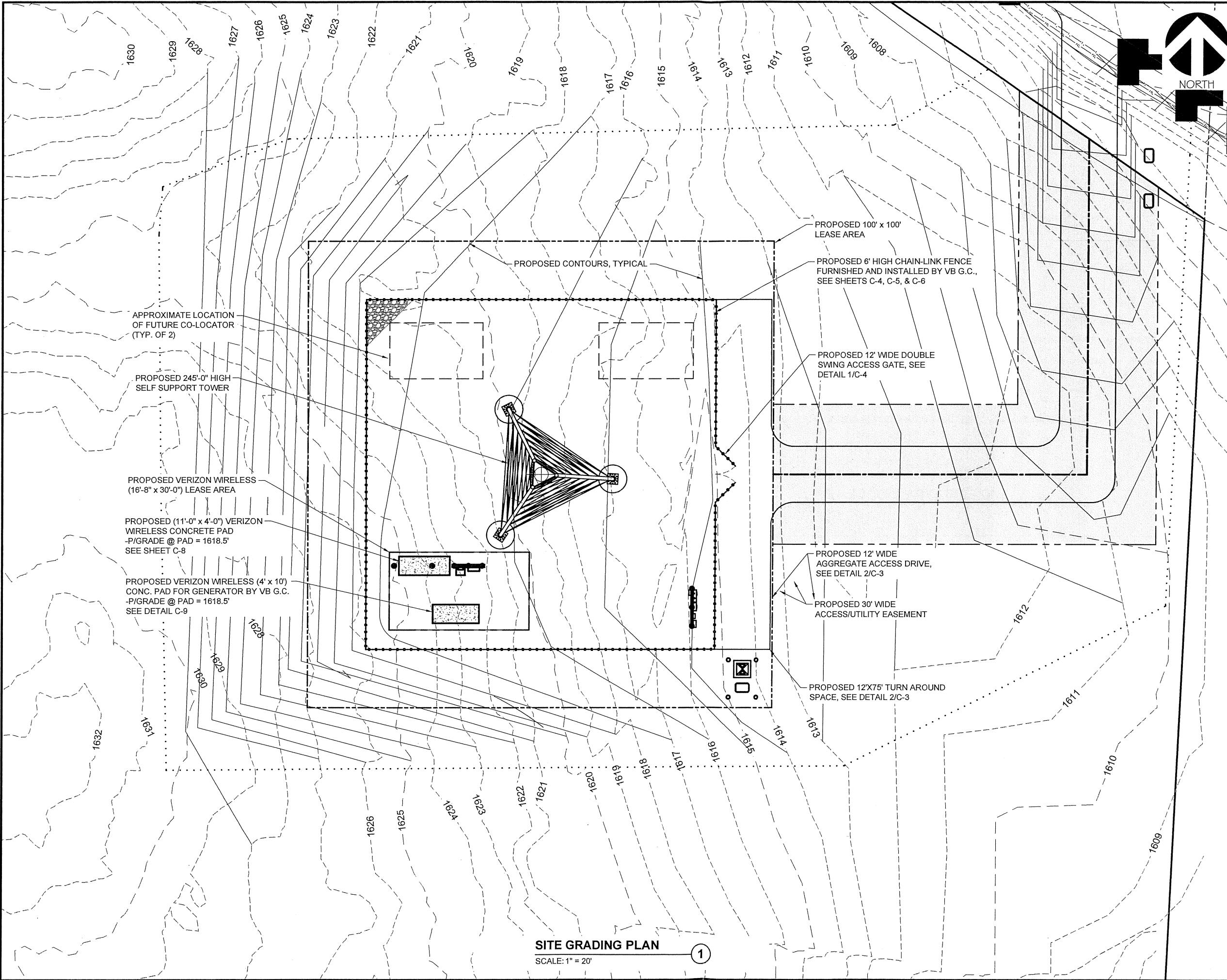
Certification & Seal:

MARK	DATE	DESCRIPTION
ISSUE	PRELIMINARY	DATE ISSUED 06/15/23
PROJECT TITLE:		
<b>FAWN LAKE SAND LAKE</b>		
PROJECT INFORMATION:		
8307 FAWN LAKE ROAD		
HARSHAW, WI 54529		
ONEIDA COUNTY		
SHEET TITLE:		
<b>ENLARGED SITE PLAN</b>		

0		6.25'	12.5'	25'
11" x 17" - 1" = 12.5'				
22" x 34" - 1" = 6.25'				
PROJECT NUMBER	58181			
SHEET NUMBER	C-1			

**ENLARGED SITE PLAN** ①  
 SCALE: 1" = 12.5'

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MARK	DATE	DESCRIPTION
ISSUE	PRELIMINARY	DATE ISSUED 06/15/23
PHASE		

PROJECT TITLE:  
**FAWN LAKE SAND LAKE**

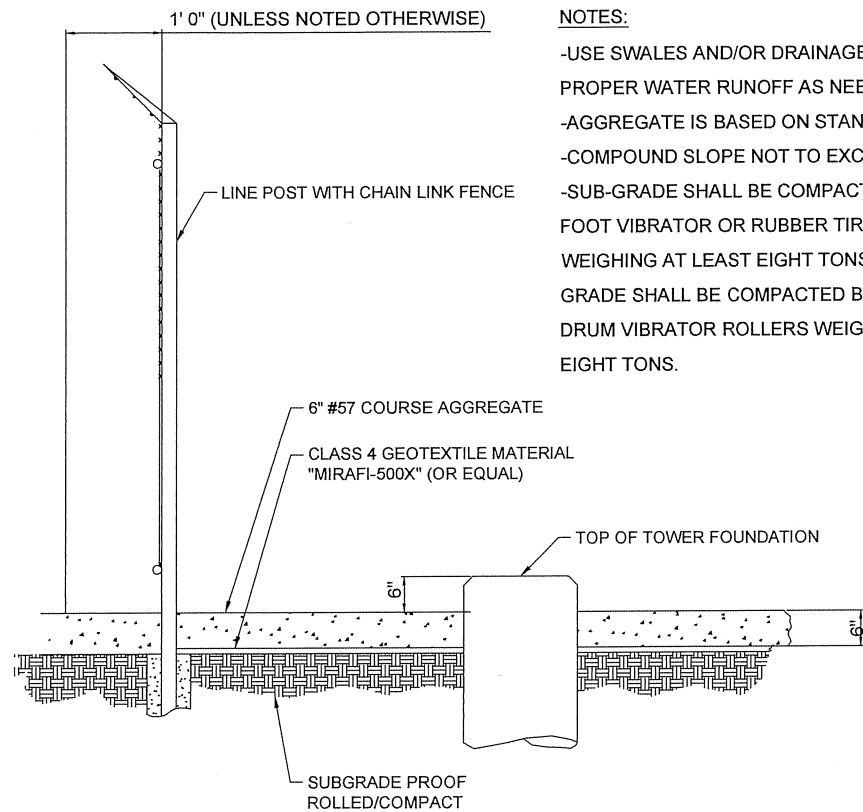
PROJECT INFORMATION:  
8307 FAWN LAKE ROAD  
HARSHAW, WI 54529  
ONEIDA COUNTY

SHEET TITLE:  
**SITE GRADING PLAN**

PROJECT NUMBER: **58181**  
SHEET NUMBER: **C-2**

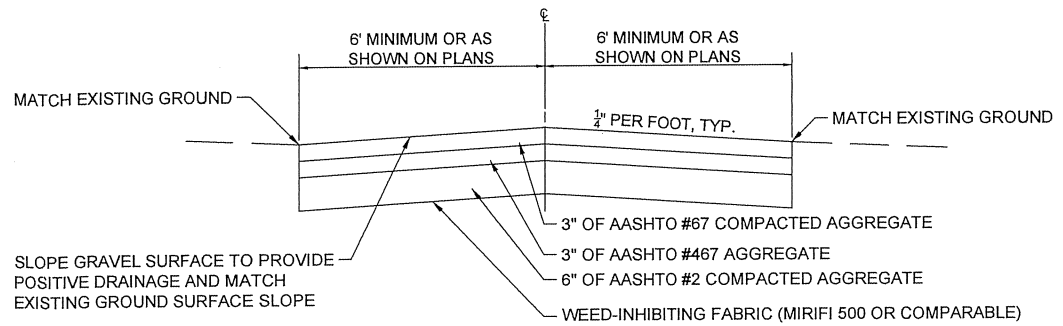
**SITE GRADING PLAN**  
SCALE: 1" = 20'  
**1**

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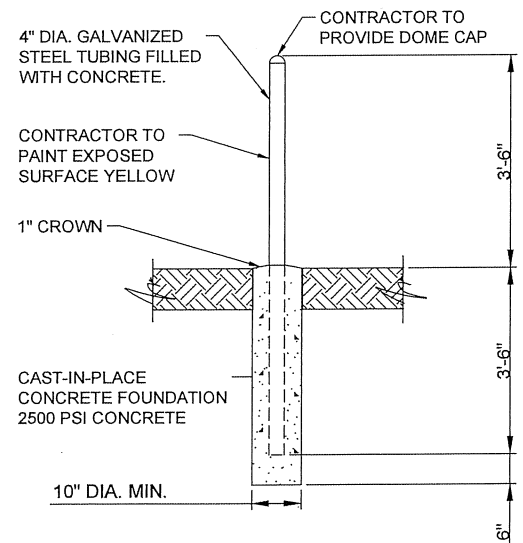
**NOTES:**  
 -USE SWALES AND/OR DRAINAGE DITCHES FOR PROPER WATER RUNOFF AS NEEDED.  
 -AGGREGATE IS BASED ON STANDARD AASHTO.  
 -COMPOUND SLOPE NOT TO EXCEED 5%.  
 -SUB-GRADE SHALL BE COMPACTED BY SHEEPS FOOT VIBRATOR OR RUBBER TIRED ROLLERS WEIGHING AT LEAST EIGHT TONS.  
 -FINISHED GRADE SHALL BE COMPACTED BY SMOOTH DRUM VIBRATOR ROLLERS WEIGHING AT LEAST EIGHT TONS.

**SITE COMPOUND SURFACING DETAIL** ①  
 SCALE: NTS

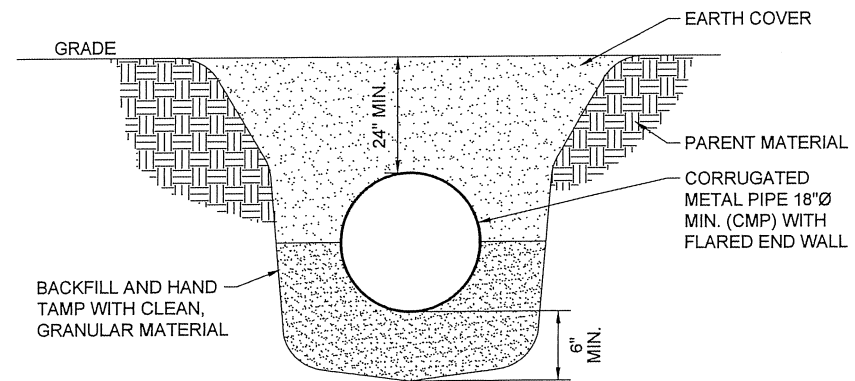


**NOTES:**  
 1.) ALL AGGREGATE SHALL BE COMPACTED PER PENNDOT SECTION 350.  
 2.) THE TURN-AROUND AREA SHALL BE CONSTRUCTED PER THE TYPICAL ACCESS DRIVE SECTION AS SHOWN ABOVE.

**TYPICAL ACCESS DRIVE SECTION** ②  
 SCALE: NTS



**BOLLARD DETAIL** ③  
 SCALE: NTS



**CULVERT DETAIL** ④  
 SCALE: NTS



MARK	DATE	DESCRIPTION

ISSUE PHASE: PRELIMINARY  
 DATE ISSUED: 06/15/23  
 PROJECT TITLE: **FAWN LAKE SAND LAKE**

PROJECT INFORMATION:  
 8307 FAWN LAKE ROAD  
 HARSHAW, WI 54529  
 ONEIDA COUNTY

SHEET TITLE: **ACCESS ROAD DETAILS**

SCALE: NONE

PROJECT NUMBER: 58181  
 SHEET NUMBER: C-3



OTHER UTILITIES NOT INCLUDED IN DIGGERS HOTLINE AND LOCAL UTILITY DISTRICTS AND COMPANIES SHALL ALSO BE NOTIFIED

**GRADING & EXCAVATING NOTES:**

- ALL EXCAVATIONS ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUNDWATER. DEWATERING FOR EXCESS GROUNDWATER SHALL BE PROVIDED IF REQUIRED.
- CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC MATERIAL. IF SOUND SOIL IS NOT REACHED AT THE DESIGNATED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION BE FILLED WITH CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION.
- ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH EITHER MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS.
- AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE, AND BEFORE BACKFILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.
- USE APPROVED MATERIALS CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND -BE FREE FROM CLODS OR STONES OVER 2-1/2" MAXIMUM DIMENSIONS -BE PLACED IN 6" LAYERS AND COMPACTED TO 95% STANDARD PROCTOR EXCEPT IN GRASSED/BANDSCAPED AREAS, WHERE 90% STANDARD PROCTOR
- REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS, PLOW, STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN SUBGRADE OR EXISTING GROUND SURFACE TO RECEIVE FILL HAS A DENSITY LESS THAN THAT REQUIRED FOR FILL, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION OR AERATE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- PROTECT EXISTING GRAVEL SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUBGRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAMAGED GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS
- REPLACE EXISTING GRAVEL SURFACING ON AREAS FROM WHICH GRAVEL SURFACING IS REMOVED DURING CONSTRUCTION OPERATIONS. GRAVEL SURFACING IS REMOVED DURING CONSTRUCTION OPERATIONS. GRAVEL SURFACING SHALL BE REPLACED TO MATCH EXISTING ADJACENT GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS. SURFACES OF GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES. EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED IF INJURIOUS AMOUNTS OF EARTH, ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ALL ADDITIONAL GRAVEL RESURFACING MATERIAL AS REQUIRED. BEFORE GRAVEL SURFACING IS REPLACED, SUBGRADE SHALL BE GRADED TO CONFORM TO REQUIRED SUBGRADE ELEVATIONS, AND LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED. DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL MAY BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE, SUBJECT TO ENGINEER'S APPROVAL.
- DAMAGE TO EXISTING STRUCTURES AND UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED/REPLACED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OWNER'S OPERATIONS.
- ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.
- ALL CUT AND FILL SLOPES SHALL BE MAXIMUM 2 HORIZONTAL TO 1 VERTICAL
- CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING SITE VEHICLE TRAFFIC AS TO NOT ALLOW VEHICLES LEAVING THE SITE TO TRACK MUD ONTO PUBLIC STREETS. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING PUBLIC STREETS DUE TO MUDDY VEHICLES LEAVING THE SITE.

**GENERAL EROSION & SEDIMENT CONTROL NOTES:**

- THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AND DETAILS AS SHOWN HEREIN AND STIPULATED WITHIN STATE STANDARDS SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE SEDIMENT LEAVING THE SITE.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBING SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.
- EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEERING IMMEDIATELY.
- CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR THE LOCAL JURISDICTION INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE.
- FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED.
- SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
- ALL CUT AND FILL SLOPES MUST BE SURFACED ROUGHENED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
- CONTRACTOR SHALL REMOVE ALL EROSION & SEDIMENT CONTROL MEASURES AFTER COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

**SEEDING GUIDELINES:**

FINAL STABILIZATION OF ALL DISTURBED AREAS, UNLESS OTHERWISE NOTED, SHALL BE LOAMED AND SEED. LOAM SHALL BE PLACED AT A MINIMUM COMPACTED DEPTH OF 4". RECOMMENDED SEEDING DATES FOR PERMANENT VEGETATION SHALL BE BETWEEN JUNE 15 THROUGH AUGUST 1 AND SEPTEMBER 15 THROUGH OCTOBER 15. TEMPORARY VEGETATIVE MEASURES SHALL CONSIST OF AN ANNUAL OR PERENNIAL RYE GRASS WITH RECOMMENDED SEEDING DATES BEING FROM JUNE 1 THROUGH AUGUST 15 AND SEPTEMBER 30 THROUGH NOVEMBER 30.

**EVALUATE PROPOSED COVER**

MATERIAL BEFORE SPREADING COVER MATERIAL OVER THE DESIGNATED AREA, OBTAIN A REPRESENTATIVE SOIL SAMPLE AND SUBMIT TO A REPUTABLE SOIL TESTING LABORATORY FOR CHEMICAL AND PHYSICAL ANALYSIS. THE PRELIMINARY TEST IS NECESSARY TO DETERMINE THE REQUIRED INORGANIC AND/OR ORGANIC AMENDMENTS THAT ARE NEEDED TO ASSIST IN ESTABLISHING THE SEED MIXTURE IN AN ENVIRONMENTALLY AND ECONOMICALLY SOUND MANNER. THE RESULTS WILL GIVE THE COVER MATERIAL CHARACTERISTICS SUCH AS A pH AND FERTILIZATION NEEDS. THESE RESULTS SHALL BE KEPT ON-SITE BY THE CONTRACTOR AND AVAILABLE FOR REVIEW BY THE COUNTY.

**SEED BED PREPARATION**

PROPOSED COVER MATERIAL SHOULD BE SPREAD EVENLY OVER THE SITE AREA IN A MINIMUM 4" LIFT VIA BULLDOZER/BUCKET LOADER, USING THE INFORMATION FROM THE SOIL ANALYSIS, CAREFULLY CALCULATE THE QUANTITIES OF LIMESTONE AND PRE-PLANT FERTILIZER NEEDED PRIOR TO APPLYING. PRE-PLANT AMENDMENTS CAN BE APPLIED WITH A BROADCAST AND/OR DROP SEEDER AND INCORPORATED WITH AN OFFSET DISK, YORK RAKE, AND/OR HAND RAKE. AFTER INCORPORATION THE PRE-PLANT SOIL AMENDMENTS, THE SEED BED SHOULD BE SMOOTH AND FIRM PRIOR TO SEEDING. THE FOLLOWING SEED MIXTURES SHALL BE USED AS NOTED:

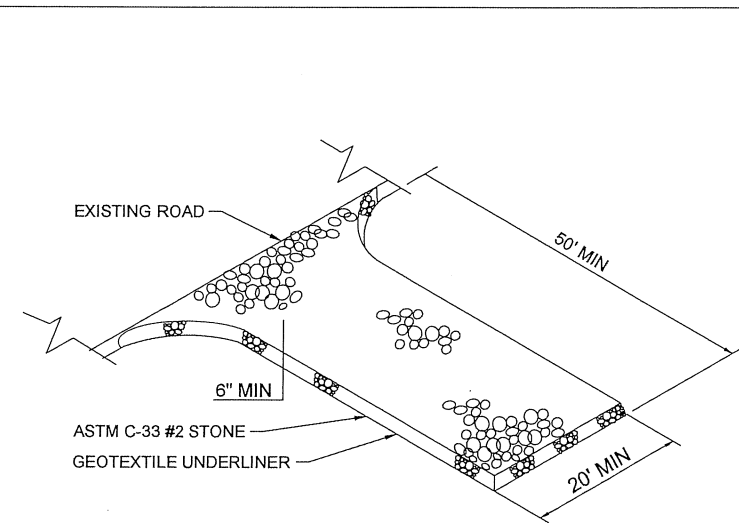
SEED MIXTURE SPECIES/VARIETY	LBS/ACRE
CREeping RED FESCUE	20
KENTUCKY BLUEGRASS	20
PERENNIAL RYEGRASS	5

**SEED TIME AND METHOD**

THE PREFERRED TIME FOR SEEDING THE COOL SEASON MIXTURE IS LATE SUMMER. SOIL AND AIR TEMPERATURES ARE IDEAL FOR SEED GERMINATION AND SEEDING GROWTH. WEED COMPETITION IS REDUCED BECAUSE SEEDS OF MANY WEED SPECIES GERMINATE EARLIER IN THE GROWING SEASON. ADDITIONALLY, HERBICIDE USE IS GREATLY REDUCED. HOWEVER, SEEDING MAY BE DONE AT ANY OF THE ABOVE NOTED TIMES.

**MULCHING**

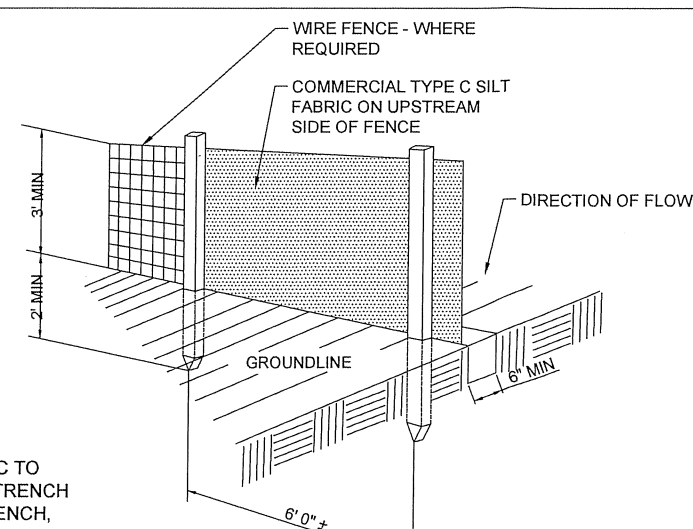
NEWLY SEEDD AREAS SHOULD BE MULCHED TO INSURE ADEQUATE MOISTURE FOR SUCCESSFUL TURF ESTABLISHMENT AND TO PROTECT AGAINST SURFACE MOVEMENT OF SEDIMENT-BOUND AGROCHEMICALS AND SOIL EROSION. IF MULCHING PROCEDURES ARE NOT SPECIFIED ON PLANS, COMMERCIALY AVAILABLE MULCHES CAN BE USED.



**CONSTRUCTION EXIT DETAIL**

SCALE: NTS

1



**SILT FENCE DETAIL**

SCALE: NTS

2

**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
  - ALL SILT FENCE MATERIALS MUST BE LISTED ON THE CURRENT STATES, D.O.T. QUALIFIED PRODUCTS LIST.
- POSTS: STEEL EITHER T OR U TYPE.  
FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING.  
FILTER CLOTH: FILTER X, MIRAFI 100X STABILINKA T140N OR APPROVED EQUAL.  
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL.



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Certification & Seal:

MARK	DATE	DESCRIPTION
ISSUE PHASE	PRELIMINARY	DATE ISSUED 06/15/23

PROJECT TITLE:  
**FAWN LAKE SAND LAKE**

PROJECT INFORMATION:  
8307 FAWN LAKE ROAD  
HARSHAW, WI 54529  
ONEIDA COUNTY

SHEET TITLE:  
**DRAINAGE, GRADING & EROSION CONTROL NOTES AND DETAILS**

SCALE: NONE

PROJECT NUMBER 58181  
SHEET NUMBER C-3A