

PINE RIDGE COUNTRY CLUB NETTING REPLACEMENT

PROJECT NUMBER 2026-034

LAKE METROPARKS

30601 RIDGE ROAD
WICKLIFFE, OH 44092

JUNE 22, 2026

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LOCATION MAP

OWNER

LAKE METROPARKS (LMP)
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OFFICIALS

LAKE COUNTY PROBATE JUDGE:
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LAKE METROPARKS BOARD OF PARK COMMISSIONERS:
GRETCHEN SKOK DISANTO
JOHN C. REDMOND
FRANK J. POLIVKA

EXECUTIVE DIRECTOR:
PAUL PALAGYI

OWNER REPRESENTATIVE

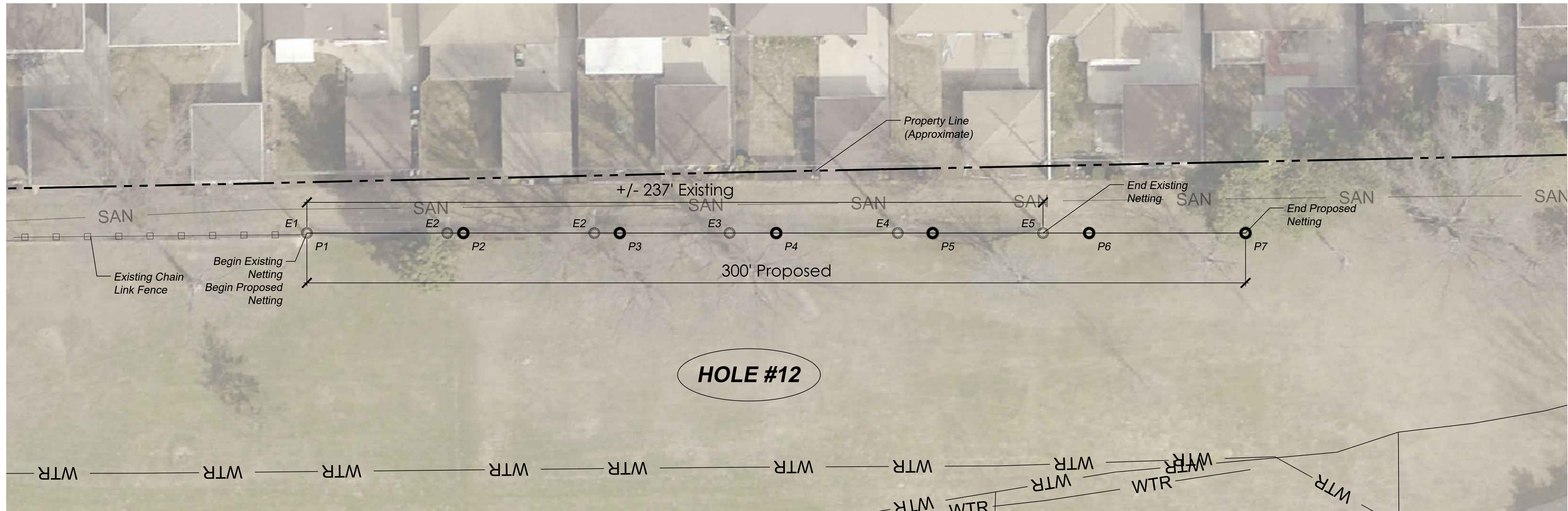
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PROJECT DESCRIPTION:

THIS PROJECT IS LOCATED AT PINE RIDGE COUNTRY CLUB IN THE CITY OF WICKLIFFE, LAKE COUNTY, OHIO. THIS PROJECT CONSISTS OF REMOVING EXISTING HOLE #12 NETTING SYSTEM (INCLUDING (6) +/- 50' POLES) OFFSITE, INSTALLATION OF NEW NETTING SYSTEM (60' ABOVE GROUND LEVEL (AGL) WOODEN POLES,) PER THE PLANS AND SPECIFICATIONS, AND OTHER RELATED MISCELLANEOUS ITEMS OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR BEING FAMILIARIZED WITH EXISTING SITE CONDITIONS, INCLUDING ACCESS RESTRICTIONS, AND FOR VERIFYING ALL FIELD MEASUREMENTS.

UNDERGROUND UTILITIES	
CONTACT BOTH SERVICES CALL TWO WORKING DAYS BEFORE YOU DIG	
CALL 1-800-362-2764 (TOLL FREE)	
OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY	
OIL & GAS PRODUCERS PROTECTIVE SERVICE CALL: 1-800-925-0988	

DRAWN BY: LMP-SJO	NO.	REVISIONS	DATE	BY	DRAWING NUMBER
SCALE:					1/2
TITLE Pine Ridge Country Club Netting Replacement Title Sheet					
NORTH 					
LAKE METROPARKS 					



SITE PLAN
SCALE: 1" = 20'

PART 1 GENERAL

1.1 WORK INCLUDED

- A. Provide all labor, material and equipment necessary to remove existing driving range netting system (E1 - E6) completely including but not limited to net poles (+/- 50' AGL), cabling, guy wires, existing net fabric, and misc. hardware. Poles shall be disposed of by contractor off-site (6 poles). Backfill all holes with soil.
- B. Provide all labor, material, layout staking, all necessary engineering, required permitting, utility locating, and equipment necessary to furnish and install a new Netting System (P1 - P7) per the plans and specifications, specified herein, and as shown on the Drawings. The height of proposed netting system shall be a minimum of 60' above ground level (AGL) with wood poles.

1.2 SUBMITTALS

Submit drawings, data, and information confirming that the poles, net material, and accessories conform to the requirements of Part 2 of this Section.

- A. Manufacturer's descriptive literature and catalog information on poles, net material, and hardware as applicable.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

PART 2 PRODUCTS

2.1 GOLF BARRIER NETTING

- A. Netting: Redden #970 polyester netting, or approved equal. The netting shall made using four needle Rachel knotless construction, manufactured with UV treated yarn and additionally coated with a black resin dye and bonding treatment.
- B. Size: 2½" stretch mesh, 1" single bar measure. 173.9 average single mesh break strength, determined in accordance with ISO standard1806.
- C. Attachment Twine: Black #48 braided polyester twine, 375 lb tensile strength, impregnated with UV inhibitor.

- D. Rope Boarder and Interior Riblines: Black 3/8" braided synthetic cover, parallel synthetic core, 3,500 lb. tensile strength. The rope boarder shall be attached to the net using a black UV dye treated #48 braided polyester twine with a minimum 375 lb. tensile strength. The attachment twine shall not be continuously tied to the net, but rather shall be tied at 6" on center for the full length of the rope boarder.

2.2 WOOD POLES

- A. Wood poles are to be full length penta or CCA pressure treated wood poles in accordance with current AWPA standards. All poles shall conform to, and be installed in accordance with the ANSI 05-1 2002 and AWPA 2005 specifications.
- B. Wood poles shall be new, and shall be burn branded in accordance with ANSI 05-1 2002.
- C. Wood poles shall be sized so as to withstand 50% solid wind loading in accordance with ACSE 7-05. Stamped engineered drawing shall be provided with the submittal.
- D. The minimum acceptable poles shall be a class H1-70' pole.

2.3 HARDWARE

- A. All hardware shall be galvanized unless specified differently, and shall conform to one of the following standards ANSI, ASTM, IEEE, and/or NEMA. Hardware components shall be matched so as to meet or exceed load capacity of the cable.
- B. Bolts: All bolts will be 5/8" diameter with a minimum tensile strength of 13,550 lbs.
- C. Cable Clamps: Three bolt cable clamps are required at each pole to support all horizontal cables. One bolt clamps are required to support the vertical cable on every pole at every horizontal cable intersection except for the top and bottom horizontal cable.
- D. Vertical Rollers shall be used to terminate the vertical cables at top and bottom of each pole. Rollers shall be 1 7/8" in diameter and 7/8" thick with an 11/16" hole in the center.
- E. 2 ¼" x 3/16" Square Washers shall be used to reinforce both sides of bolt holes in poles.
- F. Guy wires shall be anchored using a PH6 Joslyn coated helix-hub assembly or approved equal. Anchors shall be a minimum size 10" strait hub, single helix anchor attached to ¾" by 7' anchor rods with guy nut end. All guy wires shall include a high visibility yellow guy guard.

- G. All horizontal cables shall terminated to the pole using a 5/8" Thimble eyenut.
- H. Attachment clips shall be 9/32" cadmium plated steel carabineer attachment snap. Zinc or Nickel coated clips are not to be used.
- I. All cable shall be 1 by 7 galvanized extra high strength galvanized strand with a minimum breaking strength of 11,200 lbs.

PART 3 EXECUTION

3.1 DELIVERY, STORAGE, AND HANDLING DELIVERY, STORAGE, AND HANDLING

New Wood Poles, Net Materials, and Accessories. New Pipe and Fittings:

- 1. Protect, support, and handle in a manner to prevent damage to the poles, net materials, and accessories.
- 2. Use implements, tools, facilities, and equipment suitable for proper and safe protection and handling of pipe, fence materials, and accessories.
- 3. Remove poles, net materials, and accessories that are damaged beyond repair, in the opinion of ENGINEER.

3.2 PREPARATION

New Poles, Net Materials, and Accessories. New Pipe and Fittings:

Inspect before poles, net materials, and accessories are installed.

3.3 EXCAVATION AND BACKFILL

- 1. Wood Pole: Excavated material from augered hole may be used as backfill if soil is suitable. Backfill shall be hydraulically tamped in 12" lifts.

3.4 INSTALLATION PIPING INSTALLATION-GENERAL

A. Qualifications

- 1. Contractor shall have a minimum of ten years experience installing netting of a similar type construction, and shall submit five references for similar installations.

B. Wood Pole Installation

- 1. Poles shall placed plumb and true with spacing not to exceed 50' on center; embedment shall be a minimum of 9'-6" in depth. Poles shall be trimmed so that the top cable hardware runs 6" below the top of the pole. In no instance shall the table cable hardware be installed closer than 6" from the top of the pole.
- 2. Poles borings shall be of sufficient size and orientation so as to ensure that the entire area of the boring can be properly backfilled and compacted .
- 3. Poles shall be backfilled using suitable excavated spoil materials placed in compacted lifts not to exceed 18" in depth. Excess spoils materials to be placed in a mound around the base of the pole so as to provide excess material for settling, and for positive drainage away from the pole base. Poles shall not be backfill with concrete or other non-porous materials.
- 4. Poles shall be guyed at all end conditions, and at any turns in the line of the netting so as to prevent deformation of the pole.

C. Hardware Installation

- 1. All hardware to be installed using a through bolted connections properly reinforced on each side of the pole with square washers.
- 2. Lock washers shall be installed at each bolted connection.
- 3. Guy hooks shall be used to attach guy cables to the poles.
- 4. Attachment clips are to be attached to the rope boarder at 2' on center. Clips shall be installed so as to attach to the support cable and rope boarder only. The clip shall not be attached so as to encompass the net or attachment twine. Continuously sew rope boarders and riblines that require clipping the net with the rope boarder will not be allowed.
- 5. Vertical cables shall be installed on each pole.
- 6. Horizontal cables shall be installed parallel to the ground and each other. A minimum of 2 horizontal cables shall be used to support the netting.
- 7. Cables shall be tensioned to force of 1,000 to 1,500 lbs., and shall be terminated using 5/16" preformed cable grips. Turnbuckles and/or cables clamps shall not be used to secure the cable.
- 8. Cross or "X" bracing cables shall not be used between the poles.
- 9. Net panels shall be individually made for each pole span. Multi span net panels will not be allowed.
- 10. Rope boarder shall be installed at the net perimeter and all horizontal cable locations. Rope boarders shall be constructed using a 3/8" rope with black synthetic cover, and a minimum tensile strength of 3,500 lbs.

B. Installation Clean Up

Clean up debris and unused material, and remove from the site.

DRAWN BY: LMP-SJO	NO.	REVISIONS	DATE	BY	DRAWING NUMBER
SCALE:					2/2
TITLE Pine Ridge Country Club Netting Replacement Site Plan					
NORTH					
LAKE PARKS					