

COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA GAME COMMISSION
BUREAU OF WILDLIFE HABITAT MANAGEMENT
FORESTRY DIVISION

2015

DEER DETERRENT FENCE INSTALLATION PROJECT
CONTRACT SPECIFICATIONS

GENERAL SPECIFICATIONS

A. SCOPE OF WORK:

1. The Pennsylvania Game Commission, Bureau of Wildlife Habitat Management, Forestry Division, requires woven wire deer enclosure fence installation. Services shall include, but not be limited to, the furnishing of all labor, superintendence, material, tools and equipment for the installation of Woven Wire Deer Enclosure Fence as per attached Installation Specifications.
2. Any technical aspects of this bid, including order of fence construction should be directed to the appropriate Regional Forester as identified below. Administrative aspects of this bid should be directed to:

David J. Gustafson
Chief, Forestry Division
Pennsylvania Game Commission
Bureau of Wildlife Habitat Management
2001 Elmerton Avenue
Harrisburg, PA 17110-9797
717-787-2039
Fax 717-787-6957

B. CONTRACT TASKS:

1. Project Location(s):
 - a. Approximately **97,619 lineal feet** perimeter on several blocks on the State Game Lands identified on the attached maps.
 - b. Counties involved: Forest, Warren, Elk, Clinton, Lycoming, Cumberland, Bedford, Huntingdon, Perry.
2. Contractor shall comply with Attachment I, Fence Installation Specifications.

C. SITE INSPECTION AND ASSISTANCE:

An optional site inspection tour for each fence location may be conducted by contacting the Regional Forester to make an appointment:

Northwest Region
Howard Wurzbacher, RF
PO Box 31
Franklin, PA 16323
814/432-3187

Southcentral Region
Tom Lewis, RF
8627 William Penn Highway
Huntingdon, PA 16652
814/643-1831

Northcentral Region
Frank Chubon, RF
1566 S. Rt 44 Hwy
Jersey Shore, PA 17740
570/398-4744

D. CONTRACT REQUIREMENTS:

1. The contractor agrees to comply with specifications in all attachments.

E. INSURANCE REQUIREMENTS:

1. The contractor will provide Workmen's Compensation insurance sufficient to cover all of the employees of contractor working to fulfill this contract.
2. Comprehensive General Liability Insurance, including bodily injury and property damage insurance, to protect the Commonwealth and the contractor from claims arising out of the performance of the contract. The amount of bodily injury insurance shall not be less than \$300,000.00 for injury to or death of persons per occurrence. The amount of Property Damage Insurance shall not be less than \$300,000.00 per occurrence.

Such policies shall name the Commonwealth as an additional insured. Prior to the commencement of work under this contract, the contractor must provide the Commonwealth with current Certificates of Insurance. These Certificates shall contain a provision that coverage's afforded under the policy shall not be canceled or changed until at least thirty (30) days prior written notice has been given to the Commonwealth.

HOLD HARMLESS:

The contractor shall be responsible for and agrees to indemnify and hold harmless the Commonwealth from and against damages to property or injuries (including death) to any persons and other losses, damages, expenses, claims, demands, suits, and actions by any party against the Commonwealth in connection with the work performed by the contractor.

F. BID AWARD:

1. The bid shall be awarded on a **line item basis**. Bidder may bid on all location sites; however, bid will be awarded on a line item basis, by Region.
2. The Bidder shall complete the **electronic invitation for bid** to be found at www.pasupplierportal.state.pa.us, for award of the bid.
3. The unit price (**\$ / linear foot**) shall include all labor, materials, equipment, tools, insurance and all items necessary for the completion of the project. Prices bid shall be in dollar and cents only.
4. Bids will be publicly opened on **April 14, 2015 at 2:00 PM.**, at the Pennsylvania Game Commission, 2001 Elmerton Ave., Harrisburg, PA 17110-9797.
5. The contract quantities herein are estimated only and may increase or decrease depending on the needs of the Commission. The Contractor shall be paid at the unit price bid for ACTUAL lineal feet installed as measured by the PGC Forestry Division.
6. The Commission reserves the right to reject any and all bids and award contracts as it determines to be in the best interest of the Commission.

G. PERFORMANCE SECURITY:

1. As further guarantee of faithful performance of the conditions set forth in this contract, the Contractor hereby agrees to furnish the Commission with Certified Check, Savings Account, Irrevocable Letter of Credit, or other security acceptable to the Pennsylvania Game Commission, in the sum of **\$5,000.00 per Line Item**.

ANY SECURITY POSTED MUST HAVE AN **EXPIRATION DATE A MINIMUM OF ONE YEAR BEYOND THE EXPIRATION DATE OF THE CONTRACT.**

2. Performance Security is due no later than 30 days after written notice of the bid award. Time is of the essence with regard to the provision of Performance Security. At the option of the PGC, failure to provide an acceptable Surety within 30 days will result in cancellation of the contract and the PGC may declare the bidder ineligible on future projects.
3. Failure to comply with any of the conditions of the contract herein mentioned may result in cancellation of the agreement and claim may be made against the surety or the security for all or part of the damages sustained by such noncompliance.

H. CONTRACT TERM:

1. The contract term shall begin July 1, 2015 and terminate May 31, 2016.
2. The following will be "No-Work Days" during the contract period:
 - a. All Saturdays in the months of October, November, December, and January.
 - b. The opening day and all Saturdays during spring turkey season, including the youth spring gobbler hunt.
 - c. The four days of general statewide bear season
 - d. The entire 2 weeks of the general firearms deer season.
 - e. The opening day of the flintlock muzzleloader season.

The contractor, employees, and sub-contractors may not hunt to, from, or at the job site when the work location is beyond a gated road that is closed to traffic. The contractor may travel to and from the work location on no-work days to check on the condition of equipment.

Except on Sundays, it is unlawful to be present on State Game Lands from November 15 through December 15 inclusive when not engaged in lawful hunting or trapping and fail to wear a minimum of 250 square inches of daylight fluorescent-orange material on the head, chest, and back combined, or in lieu thereof, a hat of the same colored material. The material shall be worn so it is visible in a 360-degree arc.

I. PAYMENT TERMS:

1. Payment shall be on a reimbursement basis for actual lineal feet installed as measured by a Forestry Division employee unless otherwise agreed to by the Commission.

J. INVOICES

Original invoices must be sent to:

Commonwealth of PA – PO Invoices
P.O.Box 69180
Harrisburg, PA 17106

A copy must be sent to:

David J. Gustafson
Chief, Forestry Division
Pennsylvania Game Commission
Bureau of Wildlife Habitat Management
2001 Elmerton Avenue
Harrisburg, PA 17110-9797

All invoices must have the Purchase Order Number, as well as the Operator's SAP Vendor Number on the invoice. The name and address listed on the purchase order must also be on each invoice. Failure to provide this information may result in a delay of payment.

K. PURCHASE ORDER(S) TERMINATION

The Commonwealth may terminate the Purchase Order(s) for its convenience if the Commonwealth determines termination to be in its best interest. Operator shall be paid for work completed.

Fence Installation Specifications

1. HAZARD TREES

- A. After the location of the fence has been determined, all hazard trees, which are within tree length of the fence, must be felled. Hazard trees are dead and dying trees, split trees, heavily leaning trees, and/or root sprung trees, which are in a position to fall across the fence.
- B. A Forestry Division representative will consult with the vendor to determine which trees are to be considered hazard trees. All trees determined by the Forestry Division to be merchantable may be required to be skid to a landing area assigned by the Forestry Division representative.

2. CLEARING FENCE AREA

- A. It is the responsibility of the contractor to clear and level a path at least six feet wide, but not more than eight feet wide, of all brush, stumps, rocks, or other obstructions.
- B. Obstructions, which in the opinion of the Forestry Division representative will cause greater installation or maintenance problems, may be left in place.
- C. This path will lie outside of the fence and will serve as the access corridor for equipment during installation, serve as a level location for the fence to be erected, and as a maintenance corridor.
- D. Disturbance of the entire perimeter may not be necessary. In those areas where the ground is naturally level, free of stumps, and/or free of rocks, no disturbance will be required.
- E. A bulldozer of the Caterpillar D4 class should be adequate in completing the required fence line clearing.
- F. The contractor will be responsible for, and may be invoiced for, damage to standing trees. Tree damages will be calculated by using the Forestry Division's timber stumpage values for the Region. The stumpage value will then be doubled or tripled depending upon the severity and/or amount of contractor negligence. The severity of negligence will be determined by the Forestry Division representative. The minimum charge for any commercial, non-commercial, merchantable, or non-merchantable tree shall be twenty-five dollars (\$25.00). The Forestry Division will have the final determination in all damage disputes.

3. EROSION AND SEDIMENTATION CONTROL

- A. Equipment will not be operated when ground conditions are such that excessive damage will result.
- B. The contractor will be required to repair areas that become rutted due to work, install waterbars in areas that are of sufficient slope that erosion may occur, and seed and mulch areas that may be prone to erosion and/or sedimentation along the fence line according to the following specifications.
 - 3 lbs per acre - Trefoil
 - 3 lbs per acre - Timothy
 - 5 lbs per acre - White Clover - inoculated
 - 10 lbs per acre - Crimson Clover - inoculated
 - 25 lbs per acre - Wheat

The entire fence path will be seeded with 25 pounds/acre of Wheat.

- C. Small intermittent or perennial streams, adjacent stream banks, or seeps, which are unavoidable, will be cleared by hand. The Forestry Division representative reserves the right to determine which areas are to be cleared by hand.

4. FENCE SUPPORTS

- A. The contractor will erect the fence by fastening the fence to posts or poletimber trees. No trees of a diameter breast height greater than 12 inches will have fasteners driven into them. If trees greater than 12 inches DBH are to be used to secure the fence, alternate means of attachment that does not damage the tree must be used. All trees will be protected by having a 2" x 4" board of sufficient length placed between the fence and the tree and the fence will be attached to the board.
- B. The Forestry Division reserves the right to waive the above attachment rule in instances it determines tree damage is not a consideration.
- C. Posts that must be added to serve as in-line posts must be 4" x 4" treated square posts, four inch round treated posts, or steel posts that weigh two pounds/foot. Line posts are to be ten feet long and placed in the ground at least two feet. Corner posts must be at least a 6" x 6" treated post or five inch round treated post and braced or supported in place. Bracing and/or guy wires may be used to support the corner post(s) but must be sufficient to prevent the post from bending or pulling free of the ground. The Regional Forester may waive this requirement if adverse digging, drilling or driving conditions exist.
- D. All bracing or guy wires outside the fenced area must be clearly marked to prevent a safety hazard to any and all persons.

5. FENCE MATERIALS

- A. The fence will be approximately a seven-foot high fence using two-47 inch rolls or one-eight (8) foot roll of galvanized steel woven wire or fixed knot fencing. Wire fencing materials will have no more than six inches between stay wires and have at least ten graduated line wires. The top and bottom wires will be at least 12-1/2 gauge wire and stay wires will be at least 14-1/2 gauge wire. Products deemed equal may be approved at the discretion of the Chief Forester.

6. FENCE STRETCHING

- A. The finished fence will be seven feet high with approximately a one foot overlap on the ground pulled to the outside of the fenced in area. The fence will be stretched so that the wire is pulled against a corner or turning support. Maximum distance between fence supports will be no greater than 30 feet between posts and 40 feet between trees.
- B. The top and bottom rolls of fence will be fastened to each other every three feet by twisting, tying, or fastening the bottom wire of the top roll to the top wire of the bottom roll. Where a post is used, the top wire of the top roll must be secured to the post. Each roll of fence will be fastened in three places: Top, middle, and bottom. Ties to secure the fence to metal poles will be 14-1/2 gauge galvanized or stainless steel wire ties or other commercially suitable ties. Stainless steel or galvanized hog rings may be used to fasten the top fence to the bottom fence. Twisting the bottom wire of the top fence section and the top wire of the bottom fence section may be used. Ties may also be used to secure the two sections together but must be 14-1/2 gauge stainless steel or galvanized wire. The Forestry Division may specify the point where fence stretching begins. This is to facilitate the driving of deer from the fenced area.

❖ **No aluminum may be used in the installation of the fences.**

7. FASTENERS

- A. Staples will be one and one-half inch galvanized steel. **No staples will be driven into trees.**
- B. The nails used to fasten the 2" x 4" board to the trees have no specifications but must hold the board securely to the tree while the fence is being stretched. The nails used should be long enough to securely hold the 2" x 4" in place and still leave approximately one inch exposed to facilitate eventual removal. Nails used must be larger than #8 common.

8. SECURING FENCE BOTTOM

- A. The fence must be installed so that deer will be unable to crawl under the fence. A one foot overlap on the ground on the outside of the fence will be established. The fence is to be anchored to the ground with stakes or stapled to sound wood every ten feet. Stakes must be driven into the ground 12 inches.
- B. Gaps between the ground and the fence of over three inches in height and six inches in length will be filled with sound wood and the fence will be stapled at the bottom to the wood. Other means may be used if approved by the Forestry Division representative.

9. ACCESS

- A. Walk-through type gates (see attached diagram) will normally be required on all fence projects. Specific numbers of walk-through type gates required for each fence project are indicated on the attached maps. Walk-through gate construction specifications are attached. Locations for these gates will be determined by the Forestry Division representative and with the contractor. All walk-through gates will be primed and painted yellow.
- B. Sixteen-foot wide truck gates may be required for each fence project. The specific number of 16' truck gates required for each fence project is indicated on the attached maps. Gate design must be approved by the Regional Forester.

10. OPERATING AREA

- A. The contractor may operate vehicles on the cleared fence path. Vehicles may not travel into the area to be fenced in without approval of the Forestry Division representative.

11. DEBRIS AND GARBAGE

- A. The contractor will remove all trash and garbage generated during the completing of this contract. This is to include all materials generated from the installation of the fence and items generated from the personal use by the contractor's employees.

12. DEER DRIVE

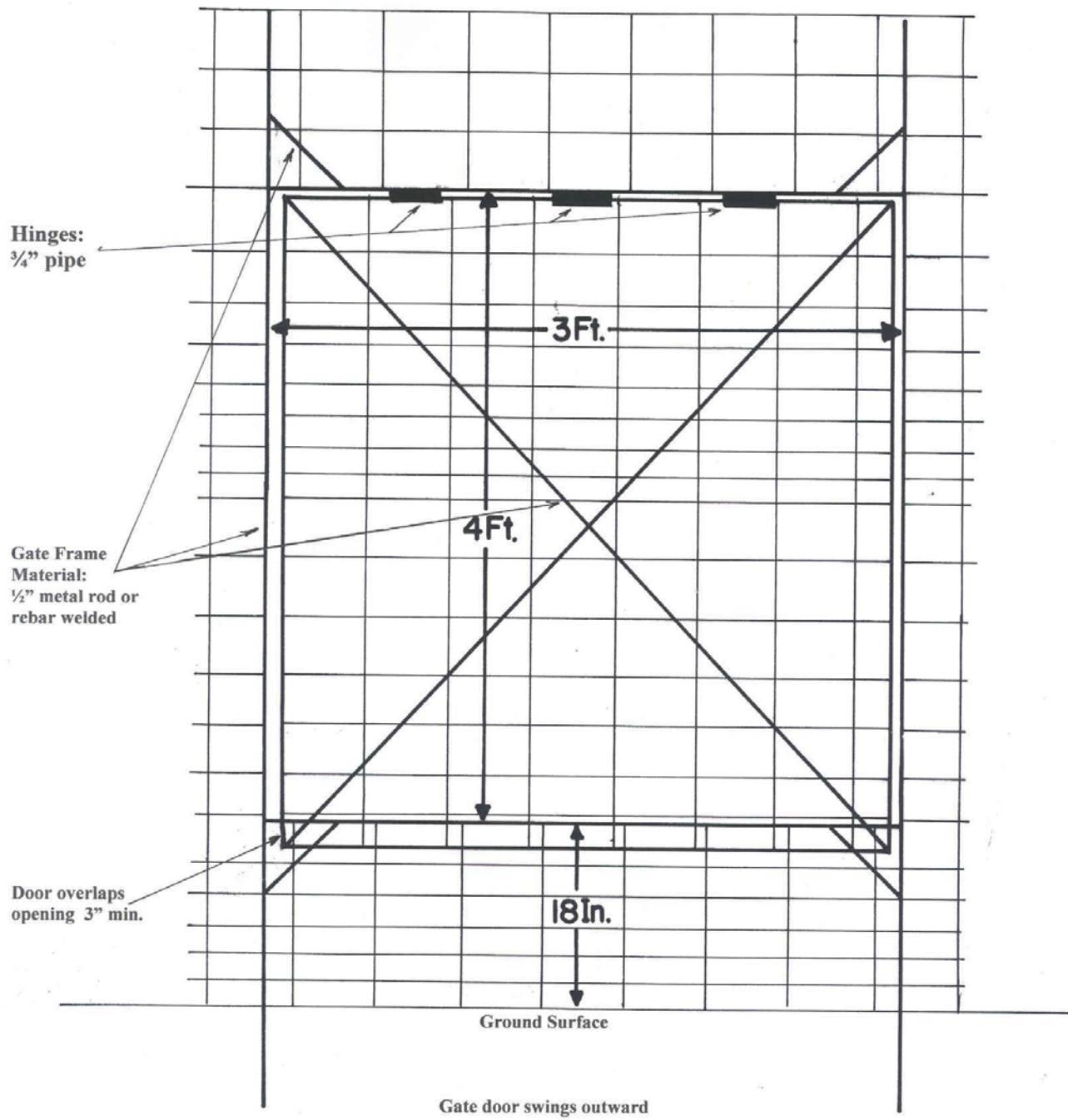
- A. The contractor must drive all deer from the fenced area prior to the closing of the fence. The contractor will notify the Forestry Division representative 48 hours prior to conducting the deer drive. The deer drive must be conducted with a Forestry Division representative on site. The fence will be closed the same day that the deer drive takes place.

13. WORK SCHEDULE

- A. The contractor will notify the Forestry Division representative three days prior to the beginning of each fence. The contractor may work at times other than the schedule of the Forestry Division representative. The contractor may be present at the final inspection.

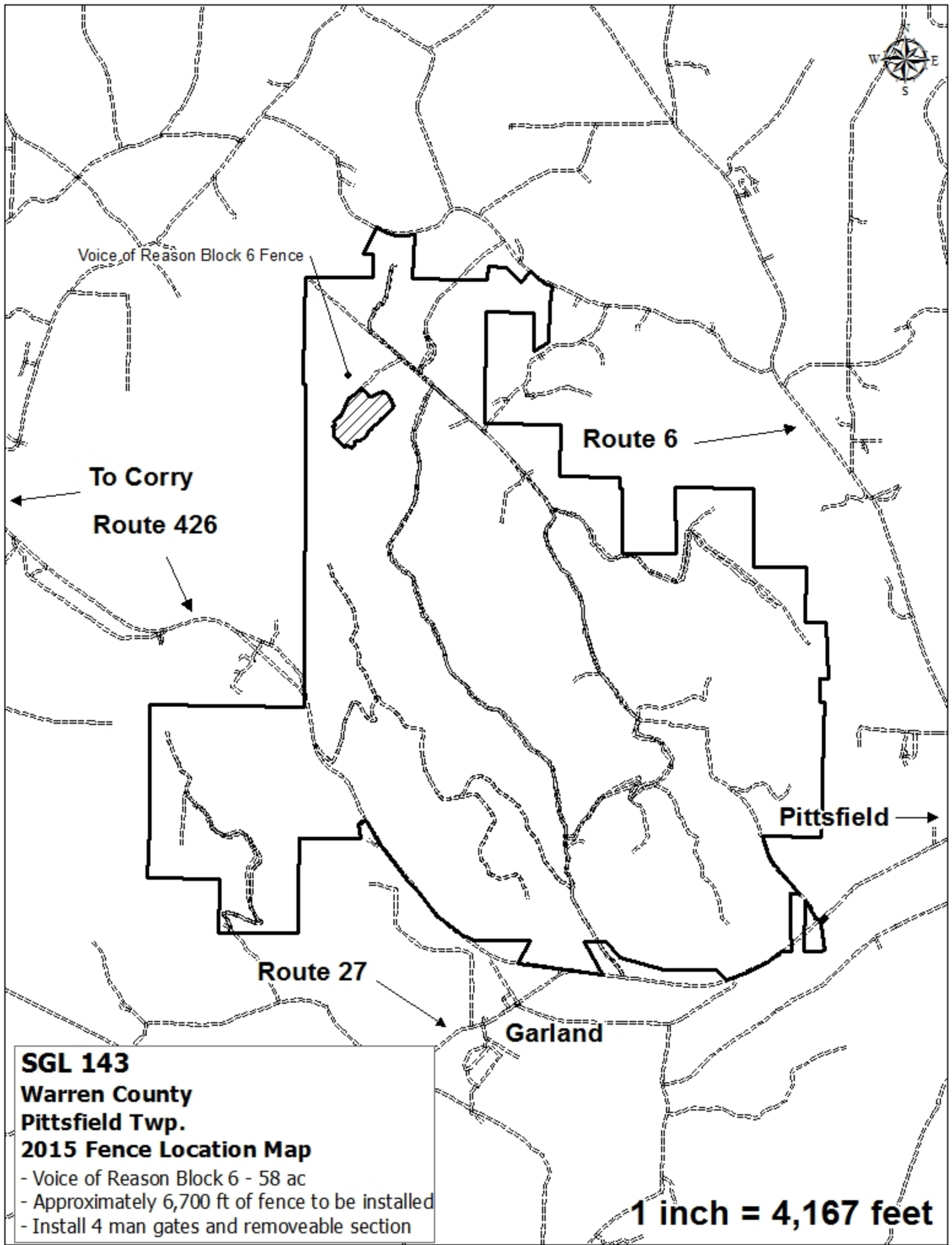
ATTACHMENT

Walk-through Type Gate



PA Game Commission FY 15

Deer Enclosure Installations				
Region	SGL	Project Name	Perimeter	Acres
NW	143	VoiceReason B6 Fence	6,700	58
	24	Oak Strip B1,B2 Fences	7,443	33
	24	Wolf Run 1,2,3 Fences	11,769	87
	24	Building Fence	5,808	23
TOTAL	4		31,720	201
SW		<i>NONE</i>		
TOTAL	0		0	0
NC	75	Jack Cammalls Camp	19,570	93
	89	Staver Run	13,350	78
	293	Wolfinger Lane	7,370	53
TOTAL	3		40,290	224
SC	256	Dark Run	4,599	25
	261	Prairie Fire 1	5,227	40
	261	Prairie Fire 2	4,526	27
	305	Twin Fawns	7,838	37
	322	Mostly Aspen II	3,419	8
TOTAL	0		25,609	137
NE		<i>NONE</i>		
TOTAL	0		0	0
SE		<i>NONE</i>		
TOTAL	0		0	0
Total Installation			97,619	562



Voice of Reason Block 6 Fence

To Corry
Route 426

Route 6

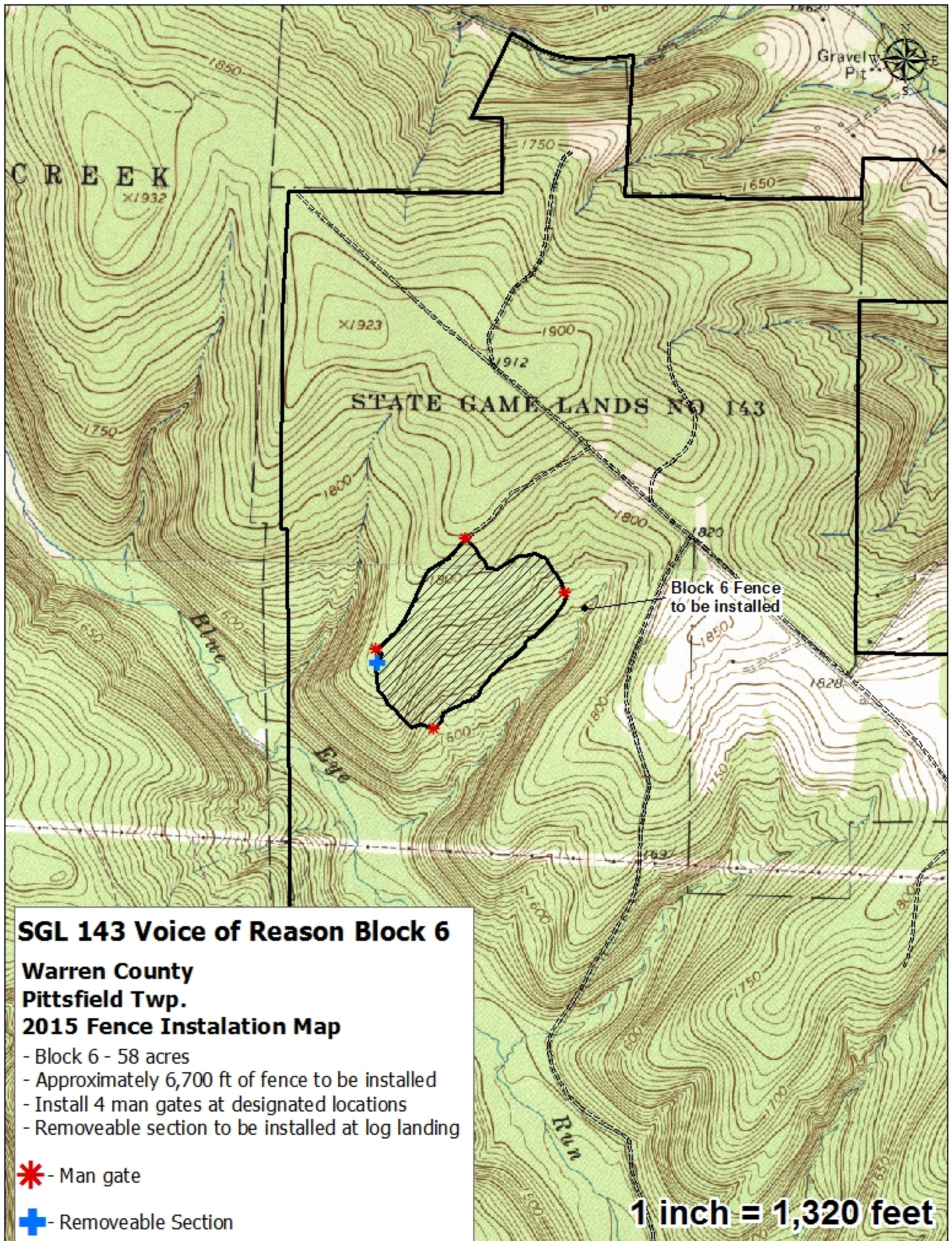
Pittsfield

Route 27

Garland

SGL 143
Warren County
Pittsfield Twp.
2015 Fence Location Map
- Voice of Reason Block 6 - 58 ac
- Approximately 6,700 ft of fence to be installed
- Install 4 man gates and removeable section

1 inch = 4,167 feet



SGL 143 Voice of Reason Block 6

Warren County

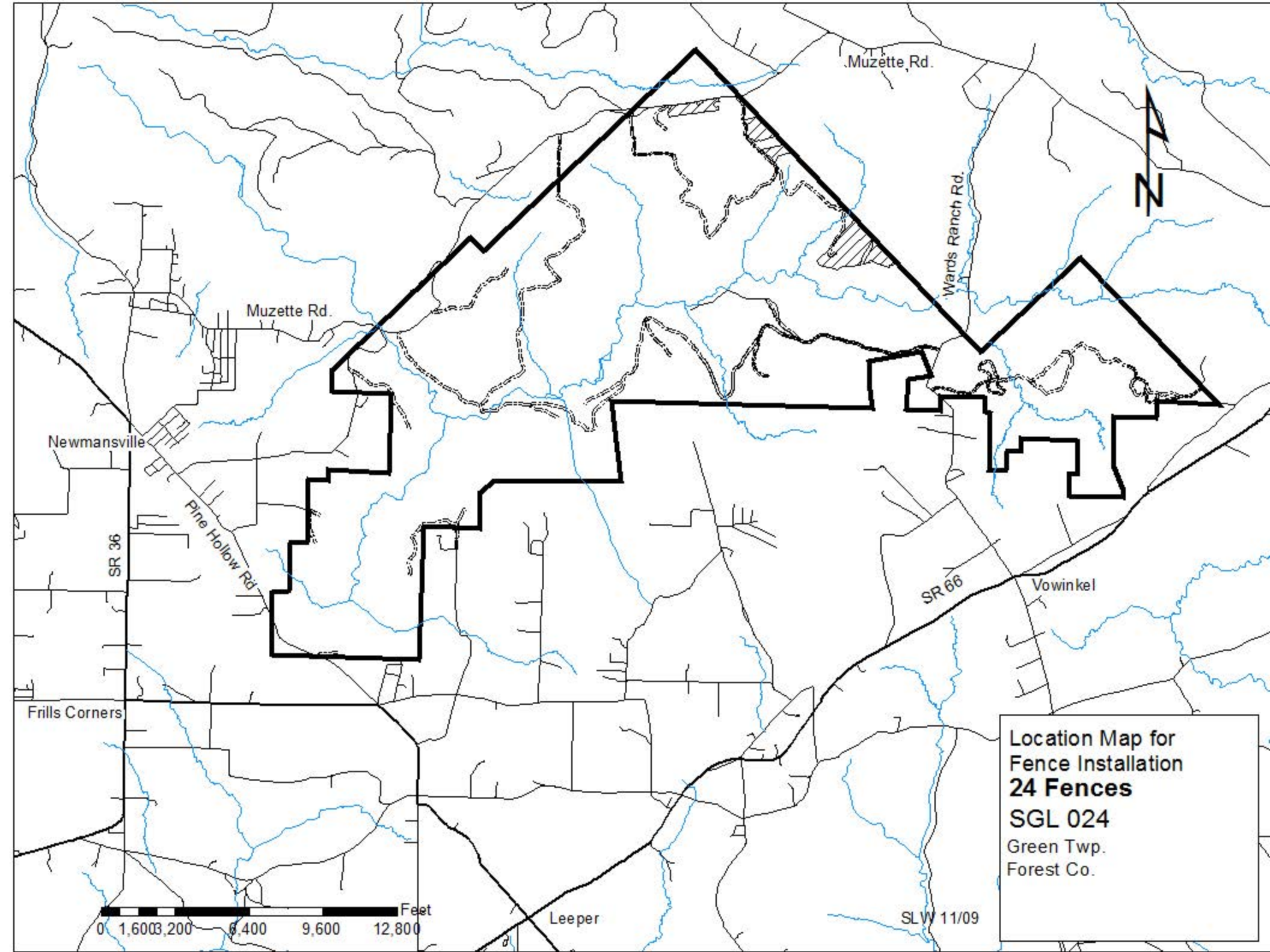
Pittsfield Twp.

2015 Fence Instalation Map

- Block 6 - 58 acres
- Approximately 6,700 ft of fence to be installed
- Install 4 man gates at designated locations
- Removeable section to be installed at log landing

* - Man gate

+ - Removeable Section



Muzette Rd.



Wards Ranch Rd.

Muzette Rd.

Newmansville

SR 36

Pine Hollow Rd.

SR 66

Vowinkel

Frills Corners

Leeper

SLW 11/09

Location Map for
Fence Installation
24 Fences
SGL 024
Green Twp.
Forest Co.

0 1,600 3,200 6,400 9,600 12,800 Feet

Fence Installation Map
24 Fences
S.G.L. 024

Green Twp.

Forest Co.

Building Fence 23 acres

Approx. 5808 ft of fence to be Installed

Moderate Terrain

Oak Strip Fence Blk1 22 acres

Approx. 4117 ft of fence to be Installed

Level Terrain

Oak Strip Fence Blk2 11 acres

Approx. 3326ft of fence to be Installed

Level Terrain

Wolf Run Fence Blk1&2 67 acres

Approx. 7165ft of fence to be Installed

Moderate Terrain

Wolf Run Fence Blk3 20 acres

Approx. 4604ft of fence to be Installed

Moderate Terrain

- Posts will be required for all fences.

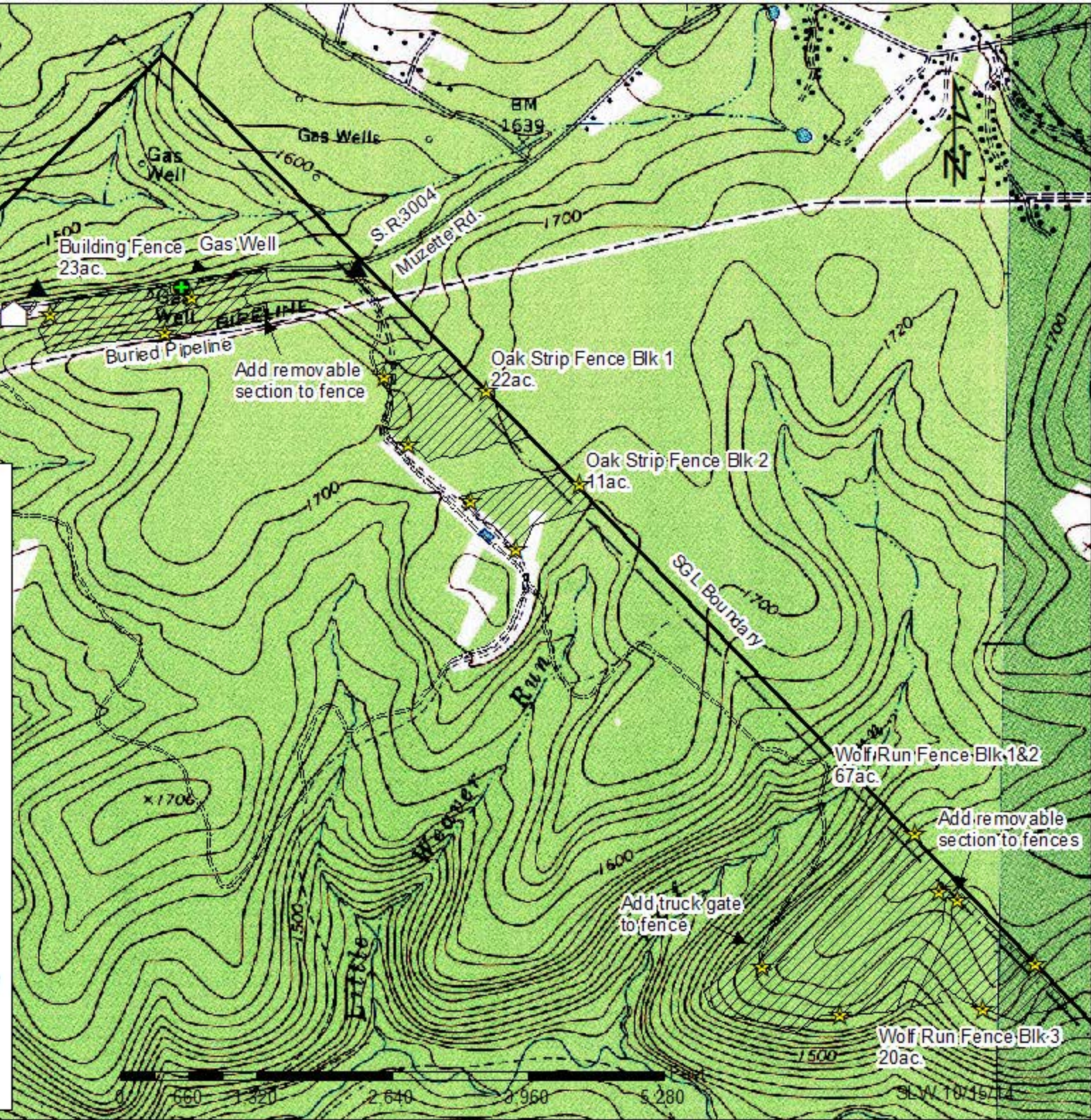
- Removable section to be added where designated.

- 1 Drive through gate to be installed

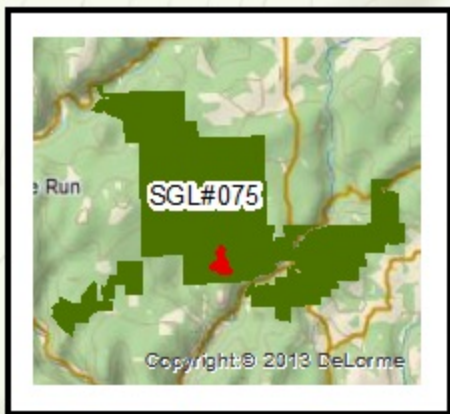
★ = 16 Man gates to be installed

◻ = PGC Headquarters Building

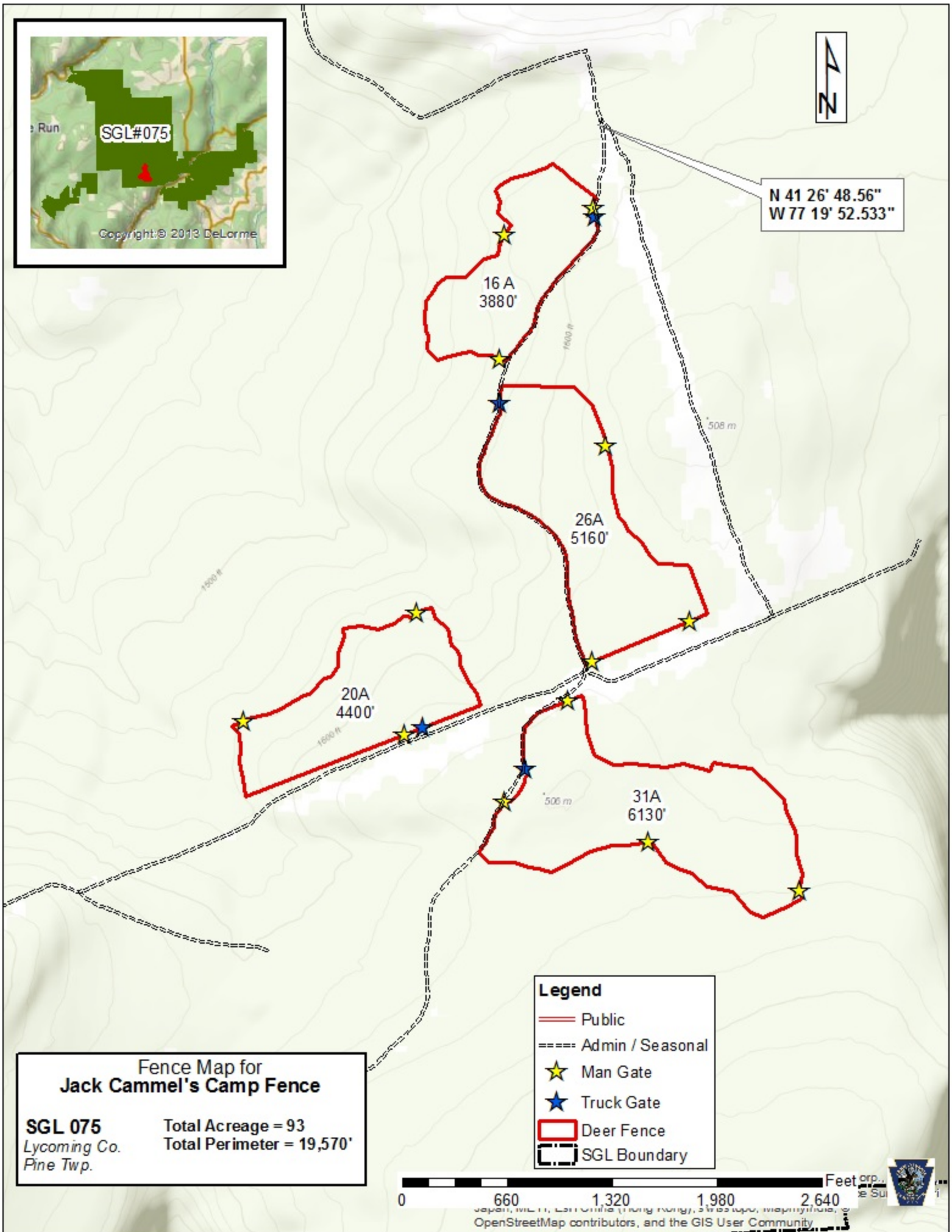
▲ = PGC Parking Lot



SL W 10/15/14



N 41 26' 48.56"
W 77 19' 52.533"

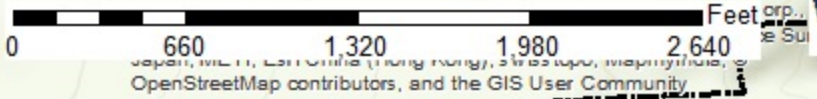


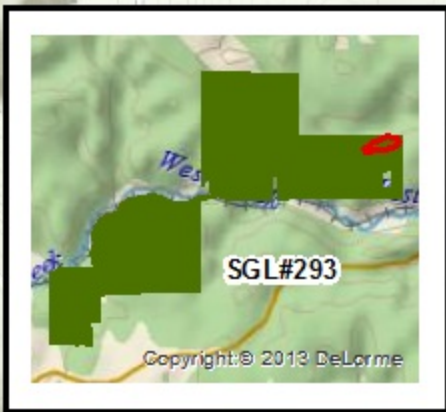
**Fence Map for
Jack Cammel's Camp Fence**

SGL 075 Total Acreage = 93
Lycoming Co. Total Perimeter = 19,570'
Pine Twp.

Legend

- Public
- Admin / Seasonal
- ★ Man Gate
- ★ Truck Gate
- Deer Fence
- SGL Boundary





N 41 29' 53.163"
W 78 23' 59.562"

Four Man-Gates Will Be Required.

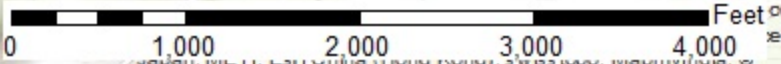
**Fence Map for
SGL#293 Wolfinger Lane**

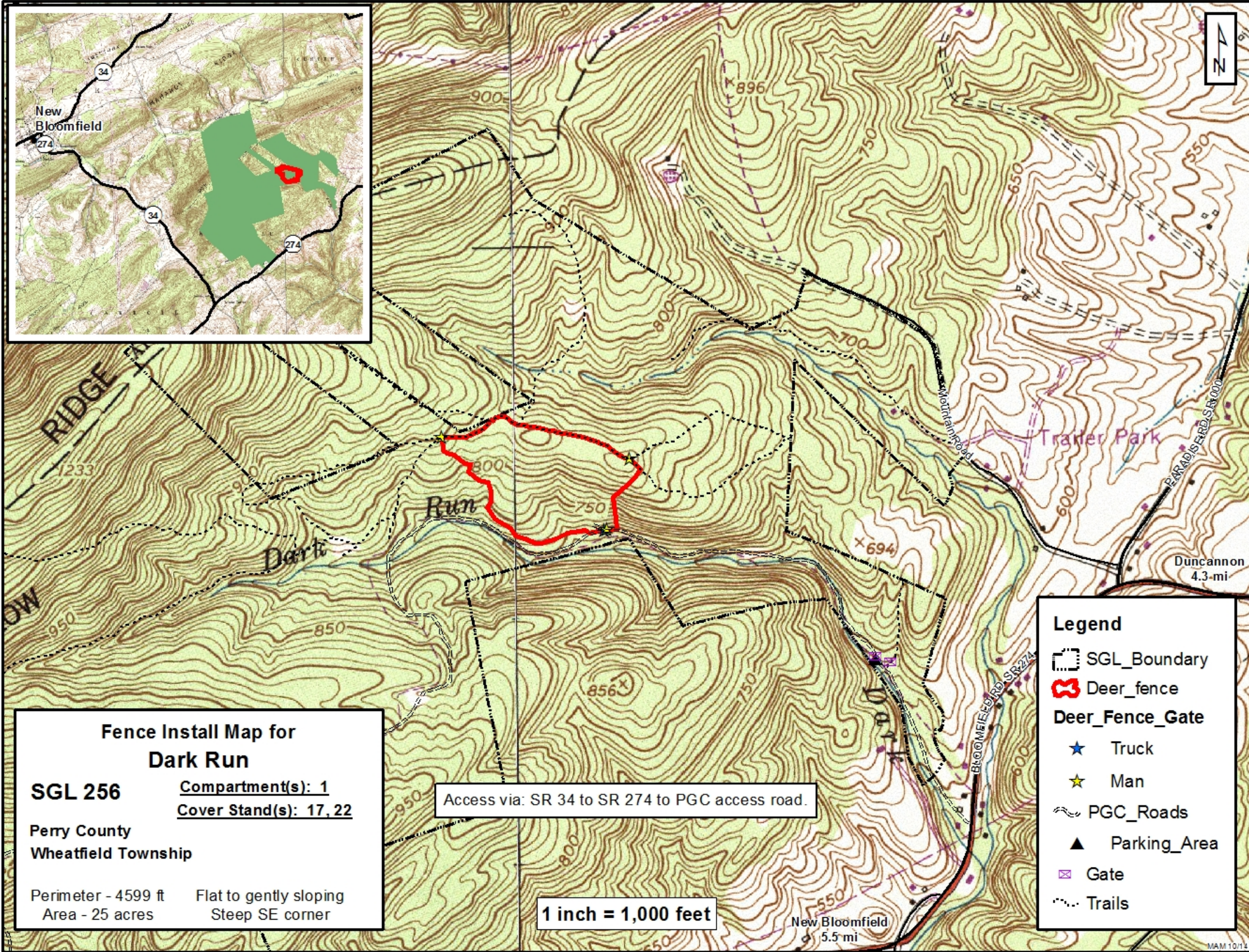
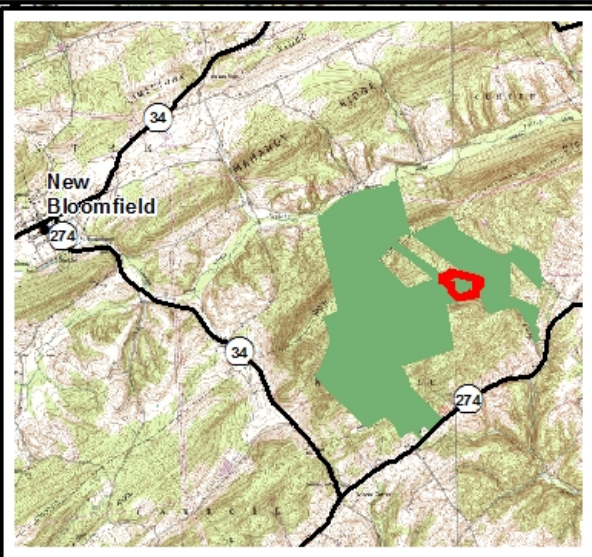
Cameron Co.
Shippen Twp.

**7370 Feet of Perimeter
53 Acres
Moderate Terrain**

Legend

- SGL Boundary
- Deer Fence
- Public
- Admin / Seasonal





**Fence Install Map for
Dark Run**

SGL 256 Compartment(s): 1
Cover Stand(s): 17, 22

Perry County
 Wheatfield Township

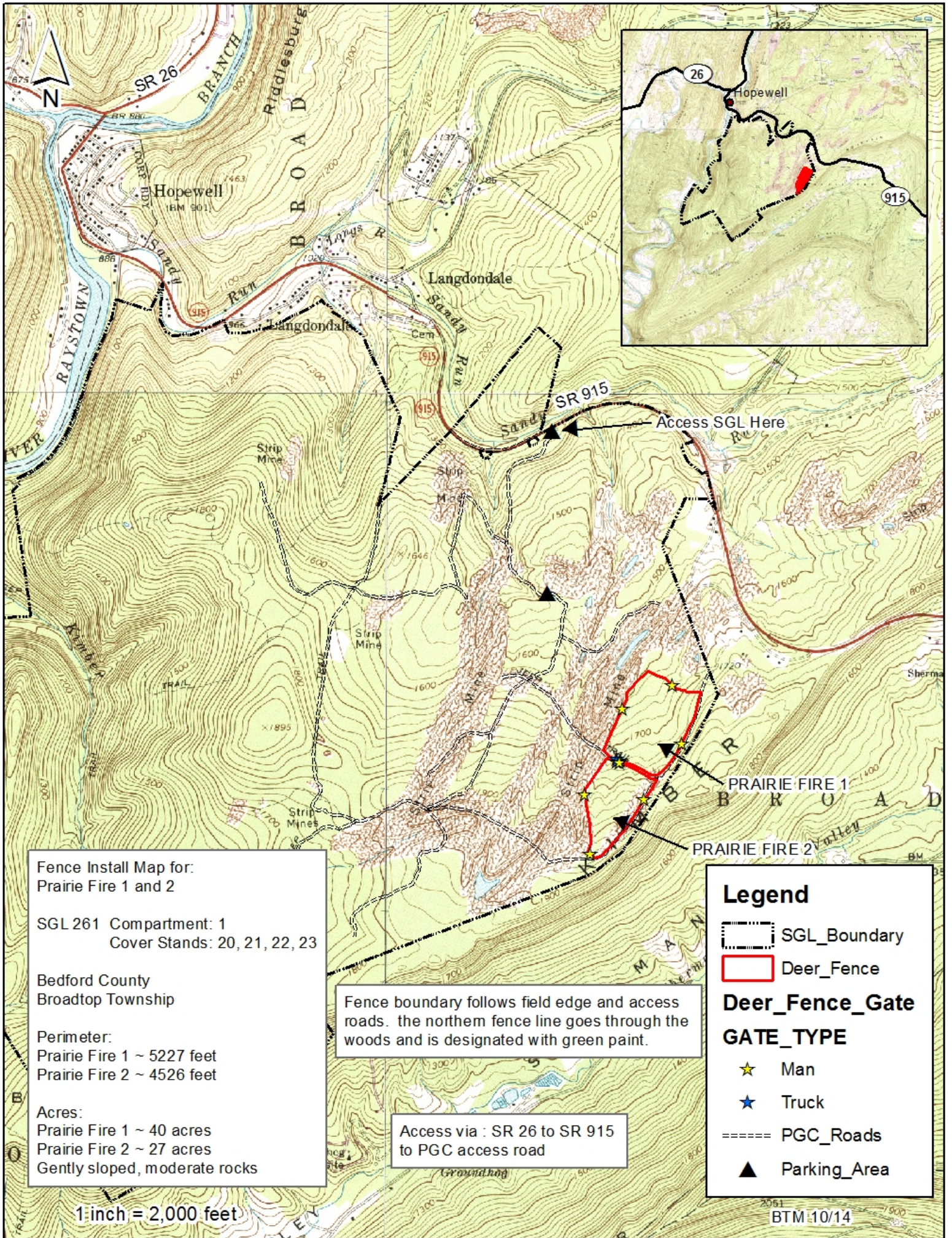
Perimeter - 4599 ft Flat to gently sloping
 Area - 25 acres Steep SE corner

Access via: SR 34 to SR 274 to PGC access road.

1 inch = 1,000 feet

Legend

- SGL_Boundary
- Deer_fence
- Deer_Fence_Gate**
- Truck
- Man
- PGC_Roads
- Parking_Area
- Gate
- Trails



Fence Install Map for:
Prairie Fire 1 and 2

SGL 261 Compartment: 1
Cover Stands: 20, 21, 22, 23

Bedford County
Broadtop Township

Perimeter:
Prairie Fire 1 ~ 5227 feet
Prairie Fire 2 ~ 4526 feet

Acres:
Prairie Fire 1 ~ 40 acres
Prairie Fire 2 ~ 27 acres
Gently sloped, moderate rocks

Fence boundary follows field edge and access roads. the northern fence line goes through the woods and is designated with green paint.

Access via : SR 26 to SR 915
to PGC access road

Legend

SGL_Boundary

Deer_Fence

Deer_Fence_Gate

GATE_TYPE

Man

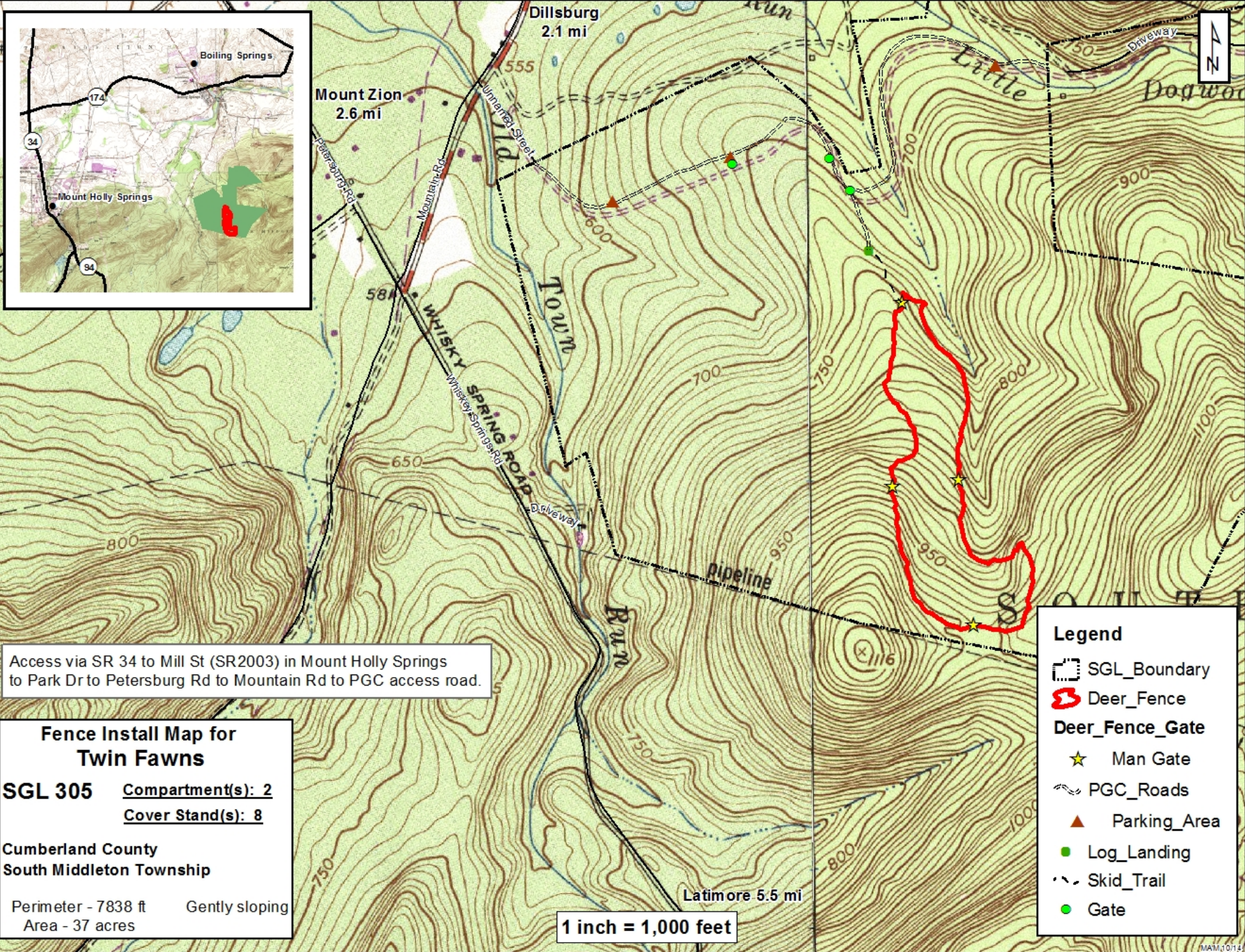
Truck

PGC_Roads

Parking_Area

1 inch = 2,000 feet

2061 BTM:10/14



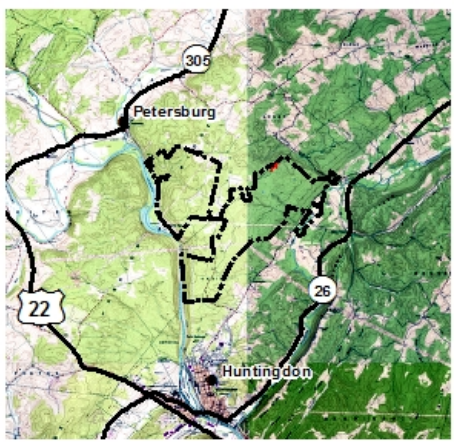
Access via SR 34 to Mill St (SR2003) in Mount Holly Springs to Park Dr to Petersburg Rd to Mountain Rd to PGC access road.

Fence Install Map for Twin Fawns
SGL 305 Compartment(s): 2
 Cover Stand(s): 8
 Cumberland County
 South Middleton Township
 Perimeter - 7838 ft Gently sloping
 Area - 37 acres

Legend

- SGL_Boundary
- Deer_Fence
- Deer_Fence_Gate**
- Man Gate
- PGC_Roads
- Parking_Area
- Log_Landing
- Skid_Trail
- Gate

1 inch = 1,000 feet



PETERSBURG
2 MILES

Petersburg Pike

Grove Rd. 1/2

42

Access via: Petersburg
Pike to PGC access road

X 1135

Petersburg Pike

Access SGL here

Huntingdon
4 Miles

1 inch = 1,000 feet

**Fence Install Map for
Mostly Aspen II**

SGL 322

Huntingdon County
Logan/Oneida Township

Perimeter ~ 3419 ft.

8 acres

Flat to gently sloping

Compartment(s): 2
Cover Stand(s): 13, 16

Legend

- SGL Boundary
- Deer_Fence
- Deer_Fence_Gate**
- Man
- Truck
- PGC Road
- Log Landing
- Skid Trail
- Gate