Conservation Plan for the Ornate Box Turtle (*Terrapene ornata*)

(Application for an Incidental Take Authorization) Per 520 ILCS 10/5.5 and 17 Ill. Adm. Code 1080

150-day minimum required for public review, biological and legal analysis, and permitting

Project Applicant:

Natural Gas Pipeline Company of America, LLC

1001 Louisiana Street, Suite 1000

Houston, TX 77002

Project Name:

Natural Gas Pipeline of America, LLC
Natural Gas Pipeline Launcher and Receiver Installation at Heidecke Lake State Fish and Wildlife Area

Area of Impact: Temporary 2.38 acres; Permanent 0.17 acre

County:

Grundy County

Prepared for:

Illinois Department of Natural Resources

Prepared and Submitted by:

Farnsworth Group

20 Allen Avenue, Suite 200

St. Louis, Missouri 63119

October 2021

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TABLES

APPENDICES

LIST OF ABBREVIATIONS AND ACRONYMS

BMP	Best Management Practice
CERP	Comprehensive Environmental Review Process
CWA	Clean Water Act
FERC	Federal Energy Regulatory Commission
HDD	Horizontal Directional Drill
IDNR	Illinois Department of Natural Resources
IDOT	Illinois Department of Transportation
ITA	Incidental Take Authorization
NGPL	Natural Gas Pipeline of America, LLC
PHMSA	Pipeline and Hazardous Materials Safety Administration
ROW	Right-of-Way

1. DESCRIPTION OF IMPACTS

A. Location

The project is located in Grundy County, Illinois south of Heidecke Lake on the Heidecke Lake/Goose Lake Prairie State Natural Area owned by Illinois Department of Natural Resources (IDNR) (Figure 1).

Address: 5906 N Jugtown Road, Morris, IL 60450
Township 33 North, Range 8 East, Section 5.
UTM: Zone 16N, 388733.244m East, 4580174.642m North.
Latitude: 41.365397° North, Longitude: 88.330364° West

All excavation work will occur within the right of way (ROW) of Natural Gas Pipeline Company of America, LLC (NGPL), a subsidiary of Kinder Morgan, INC. The path used to access the ROW during maintenance activities provided by Illinois Department of Natural Resources (IDNR) in accordance with the existing easement NGPL maintains with IDNR, would be used to access the construction workspace during this project. Representative photographs of the project area are in Appendix B.

B. Biological Data

During the Comprehensive Environmental Review Process (CERP) for this project (CERP Code: 2200372), NGPL was notified that an Incidental Take Authorization for the ornate box turtle (*Terrapene ornate*) is required as this project impacts areas inhabited by this species. As the area being impacted by the project is owned by IDNR, NGPL has not conducted surveys or studies.

Ornate box turtles are small terrestrial turtles that average four to five inches in length and have a high-domed, round, or oval carapace (upper shell) with a dark brown color and yellow lines on each scale that radiate downward. The hinged plastron (lower shell) is similarly marked and allows the animal to completely enclose itself in the shell (IDNR 2017). Males may be distinguished from females by the presence of an enlarged and inwardly facing first toe on the hind feet, a concave plastron, and red eyes (USFS 2006).

Ornate box turtles spend a large amount of time underground in burrows, which are used for hibernation and resting. These turtles will emerge in the early morning, basking until a body temperature appropriate for foraging is reached, and then will forage as an opportunistic feeder until temperatures become too high (Ernst and Lovich 2009). The ornate box turtle eats insects, snails, earthworms, tadpoles, dead animals, bird eggs and berries and other plant materials (IDNR 2017). Once temperatures increase, the ornate box turtle will retreat to cooler, shadier areas until temperatures cool down enough for a

second foraging period. The length of the turtle activities, which consist of basking, foraging, and resting, are affected by environmental temperatures (Ernst and Lovich 2009).

Female ornate box turtles lay one or more clutches of eggs in May through June and abandon their nests to let the eggs incubate for approximately 80-90 days. Hatchlings typically emerge in the fall. In mid- to late October, the ornate box turtle burrows two to three feet into the ground to overwinter. They remain in their overwintering burrow until they emerge in late April or early May. The estimated range of an individual ornate box turtle is approximately five acres (Legler 1960).

Ornate box turtle habitat includes mesic and dry-mesic prairies, oak savannas, open to semi-open woodlands, and open fields in former prairie. Ornate box turtles are restricted to areas with soils that allow for easy burrowing and thus prefer sandy soils and sand prairie habitats. However, they can also be found in southern till plain prairies and open fields that were former prairies. Overwintering sites include upland and sand prairies, sand dunes, and shrubland that are open and lack shade.

C. Description of Project Activities

Practices to be Used

The construction activities that are associated with the proposed project includes the installation of launchers and receivers for pipeline in-line inspection tools (aka pigs) south of Heidecke Lake. These launchers and receivers are above-grade steel assemblies of pipes and valves that allow maintenance personnel to launch and receive pipeline 'pigs'. Pigs are a colloquial name for inspection and cleaning devices that are sent down the pipeline to clean and assess pipeline conditions. NGPL needs to install the launcher and receiver station at the proposed location due to the pipe outside diameter changing. The majority of the mainline through central Illinois is 30" in diameter, but the pipe underneath Heidecke Lake is 36" in diameter. Because of the size differences in the pipe, different sized pigs are needed for precision in-line inspection. The areas of disturbance are provided in Table 1.

Table 1. Temporary and Permanent Disturbance Areas

Description of Area	Disturbance (acres)
Temporary Workspace – excavation and ground disturbance; temporary impact	1.39
Access road to be matted with timber matting during construction; temporary impact	0.99
Launcher receiver station, enclosed with chain-link fence, and covered with gravel; permanent impact	0.17
Total permanent impacted area	**0.17**
Total temporary impacted area	**2.38**

The excavation activities that are associated with the proposed improvements will be limited to NGPL ROW. NGPL ROW is defined as the 100-foot-wide portion of area lying approximately 70 feet to the southeast of Heidecke Lake. The excavation activities will occur within a 1.39-acre area of the NGPL ROW. When completed, a 0.17-acre station will be enclosed with 7-foot chain-link fence, 3 strands of barbed wire, and a gravel base. Existing construction equipment includes welding trucks, excavators, side booms, dump trucks, and semi-trucks to deliver equipment and material.

An existing access road will be used to access the NGPL ROW and workspace. The access road will be 2,152 feet long and 20 feet wide (0.99 acre). During construction of the station, timber matting will be installed along the length of the access road. NGPL will set a 10 MPH speed limit on these timber mats. The timber matting will be removed, and any necessary stabilization of disturbed areas would be completed. During operation of the station, the same access road will be used. NGPL expects to need access to the station during operation once every 3 years, but this time period could vary. If conditions are wet, or if soil disturbance is anticipated to access the station during operation, timber matting will be installed. If conditions are dry and soil disturbance is not expected, NGPL will not install any measures to access the station during operation.

All temporarily impacted areas will be restored to previous conditions following construction. Disturbed areas will be returned to pre-construction topography and reseeded with the seed mixture found in Appendix C.

Timeline

The project is scheduled to begin April 2022 and be completed June 2022. The following schedule is planned once the Incidental Take Authorization is received:

Pre-Construction and Construction

Early April 2022 - Silt Fence Installation enclosing the workspace and excluding the Ornate Box Turtle

Early April 2022 - Natural Heritage Biologist, Dan Kirk, will inspect the area inside the silt fence to ensure no individuals were enclosed within the silt fence and ensure silt fence installation is adequate to exclude ornate box turtles.

Early April 2022 – Installation of timber matting for the access road, and excavation of existing lines begins.

April 2022 thru June 2022 – Installation of the launcher and receivers will be completed. Gravel will be installed to serve as the base surrounding the new station and fencing will be installed (68.5' x 110').

Through construction, the work area will be inspected daily before construction begins to ensure that ornate box turtles have not entered the workspace, and the silt fence has not been damaged and is sufficient to exclude ornate box turtles. Periodic monitoring report of construction activities and listed species observations will be submitted to IDNR for all work occurring within the Project areas. Relocation of any ornate box turtles from within the action area will be reported to IDNR immediately (within 24 hours) and will include photographs of the turtles as well as photographs and coordinates of the locations in which they are found and released. Similarly, any ornate box turtles accidentally killed (i.e., taken) during work will be recorded (approximate age, possible cause of death), photographed, and immediately reported to the IDNR.

Post-Construction

June 2022 – the construction area will be regraded as necessary to ensure the topography before construction is returned. Timber matting for the access will be removed. Bare (i.e., areas devoid of vegetation) areas will be prepped/roughened and the area will be seeded and mulched. Once the project area obtains a uniform 70% coverage of the disturbed area, the silt fence will be removed.

<u>Permitting Reviews</u>

This project is authorized for construction under a Federal Energy Regulatory Commission (FERC) Automatic Banket Certificate. No other environmental permitting reviews are required for the Project (e.g., U.S. Fish and Wildlife Service biological opinion or U.S. Army Corps of Engineers Section 404 review) as no other sensitive resources are impacted by the project. Because this project is a natural gas transmission line project, a Clean Water Action Section 402 permit is not required per CWA Section 402(l)(2).

D. Explanation of the Anticipated Adverse Effects on the Listed Species

Direct Effects

Short-term and long-term loss of habitat and disruption to usual movement are the most likely effects to the ornate box turtle from the proposed action. During construction, 2.38 acres of habitat will be enclosed to exclude individuals from using that habitat. Once construction is completed, 0.17 acre of turtle habitat – the area of the station inside the fence - will have been permanently removed.

Mortality of individuals is less likely but may occur during the project. Mortality could occur from construction activities including vehicle and equipment access within suitable habitat, and below-ground work within suitable habitat. Individual turtles or eggs could be accidentally crushed and killed if they are struck by a vehicle or dug up during ground disturbing activities.

Indirect Effects

Effects associated with this project are expected to occur at the same time and in the same place as this project. Therefore, no indirect impacts are expected.

2. MINIMIZATION MEASURES, MITIGATION, AND FUNDING

A. Minimization, Estimated Take, and Habitat Affected

Excavation activities associated with proposed installation will occur within the ROW which is approximately 100-feet wide and 640-feet long. Temporary impacts may occur within the 2.38 acres with permanent impacts from construction activities being approximately 0.17 acres (Figure 2) (Table 1). Silt fence will be installed prior to construction to keep the ornate box turtle from entering the construction area. Once the perimeter silt fence is in place to exclude any turtles from entering the temporary workspace, an IDNR biologist will survey the area to ensure no turtles are trapped inside the workspace. In addition to the original survey, at the beginning of each day an onsite qualified inspector will walk the workspace to ensure turtles have not accessed the workspace. All temporary impacts outside of the ROW used for access will be matted and surrounded by silt fence.

It is anticipated that no individuals of ornate box turtle will be taken during this project. However, because take cannot be a zero figure for the Incidental Take Authorization (ITA) process, it is estimated that the take will be 1 individual.

B. Plans for Management of the Area

Excavation activities will occur within the ROW and temporary impacts outside of the ROW will have Best Management Practices (BMPs) installed to reduce impacts. Following the completion of construction, all temporarily impacted areas

will be restored to previous conditions to restore the species habitat. A permanent access road to the facility will not be constructed. Access to the site, would be via the proposed route in Figure 2 across the ground as it currently exists. If the site requires access, during wet conditions timber matting will be used.

A chain-link fence will be constructed around the facility resulting in permanent turtle habitat loss. To prevent turtles from entering the fenced area, vinal privacy slats will be woven into the fence and will extend to the gravel of the proposed station (see Photo 1 below). At the gated areas, a 'no dig' barrier will be installed (see Photo 2 below) that would extend below the gate to the gravel to exclude turtles from entering the station under the gate. This would enable the gates would remain functional.

Photo 1. An example of vinyl privacy slats that would be woven into the chain-link fence and would extend to the gravel pad to inhibit turtles from entering the station.

Photo 2. An example of 'No Dig' fence attachment that would be installed at the gate locations to keep turtles from entering the station under the gates.

C. Measures to Avoid, Minimize, and Mitigate Effect

- Completely avoiding temporary impacts to the habitat is not practicable due to the fundamental nature of the project. Through the CERP, the limits of disturbance and the impacted area have been reduced and plans to install a permanent gravel access has been replaced with timber matting that will be removed following construction.
- Silt fences will be used to keep turtles from entering the construction area once construction has begun. The silt fences will be buried at a minimum of 6" below ground surface and the posts 18" below ground surface as depicted in Figure 3a and 3b. After initial installation of the silt fence, the area enclosed by the silt fence will be surveyed by a trained biologist to ensure no turtle are trapped inside. If turtles are found, they will be

documented, and relocated to an area designated by the Natural Heritage Biologist.

The resident engineer will inspect and ensure maintenance of all silt fences and other erosion control structures. If site inspections show that measures in place are not functioning or are not adequate, different or additional measures will be added. If unforeseen observations or events pertaining to listed species are identified during construction, IDNR will be contacted.

- During on-site work, the lead inspector will conduct daily inspections of the work space to ensure proper working order and maintenance of the silt fence and to ensure turtles have not entered the work space. Additional inspections will be made immediately prior to and following events of heavy rain. If eroded soil is observed leaving the limits of construction, additional soil conserving practices will be installed, or measures taken to minimize soil erosion.
- The permanent chain-link fence to be installed around the station will have privacy, vinyl slats installed extending to the ground (Photo 1). At the gated areas, a 'no dig' fence attachment will be installed in such a way that turtles will not be able to enter the station under the gate, and the gate will remain functional.
- In addition to the avoidance and minimization measures above, NGPL will provide compensatory mitigation in the form of a monetary contribution to the Illinois Wildlife Preservation Fund (the "Fund"). The contribution will support conservation, research, and/or habitat improvement that will contribute to the ornate box turtle's continued survival and recovery in Illinois. NGPL will voluntarily contribute $8,326.18 to the Fund to offset this project's permanent impact to suitable habitat.

  This value was calculated by multiplying the total acreage of permanent impact (017 acre) by the mitigation multiplier provided by IDNR (5.5), by the estimated value per acre of land in Grundy County ($8,905/acre) based on the average acre value of farmland in Grundy County (AcreValue 2021).

D. Monitoring

Daily inspections will occur by an onsite qualified inspector to ensure exclosure measures are working properly and that no turtles have entered the construction perimeter.

A post-construction survey will be conducted 5 years after construction is completed. Based on the current construction completion schedule, the post-construction survey would be conducted in June 2027. If canine-assistance is available, a canine assisted survey will be conducted at this time. Any turtles observed during the survey will be documented. Photographs and GPS locations

would be taken of any ornate box turtles located. A final survey report summarizing the survey results will be prepared and provided to IDNR.

E. Adaptive Management Practices

Due to the nature of the project, NGPL does not anticipate any changed or unforeseen circumstances; however, if high water conditions occur during the work directly at or near the construction site, NGPL will coordinate closely with the contractor and IDNR to make appropriate changes necessary. The installation will be completed with no additional work being necessary afterwards.

F. Funding

The project is funded entirely by NGPL. Costs associated with installation and maintenance of the silt fence will be assumed by the NGPL's construction contractor and included in their bid price for the project.

3. ALTERNATIVE ACTIONS CONSIDERED

Alternative A – No-Action

The no action alternative would result in pipelines that are unable to be inspected by in-line inspection tools. Not being able to inspect these lines, is a violation of Pipeline and Hazardous Materials Safety Administration (PHMSA) regulations. Additionally, not being able to inspect these lines increases the chance of a rupture in the pipelines under Heidecke Lake and on the state natural area. A rupture would involve a much larger areas of disturbance resulting in increased environmental impact to the ornate box turtle and many other species. Under the no-action alternative, an undue risk to many environmental resources would exist. Therefore, the no-action alternative is not considered a feasible alternative.

Alternative B – Installation of new pipelines via Horizontal Direction Drill (HDD)

Installing new pipelines under Heidecke Lake via HDD would entail a larger area of disturbance on the north and south side of Heidecke Lake, a longer construction period, and a risk of hydrofracking fluid being released on the preserve or in Heidecke Lake. Installing new pipelines under Heidecke Lake via HDD would result in greater impacts to many environmental resources than the preferred alternative, and therefore, is not considered a feasible alternative.

4. SURVIVAL OF SPECIES

Take of the ornate box turtle is not anticipated to reduce the survival or recovery of the species population, the biotic community of which this population is a part, or the habitat essential to its existence. The permanent impacts associated with this project are negligible compared to the suitable habitat in this species' range

in Illinois. Additionally, the minimization and mitigation measures discussed previously in this Conservation Plan will reduce the likelihood of take, and offset the impacts incurred.

All disturbance outside the station's footprint will be restored to previous conditions following the completion of the construction activities. The station will be fenced, excluding turtles from entering. All reasonable and prudent measures will be used to reduce the chance of take to the extent possible for this project.

5. IMPLEMENTING AGREEMENT

A Signatories

Alex Henning

Digitally signed by Alex Henning
DN: cn=Alex Henning, o=PM, ou=OSG, email=alex_henning@kindermorgan.com, c=US
Date: 2021.11.03 10:20:29 -05'00'

3 Nov 2021

Alex Henning
Natural Gas Pipeline Company of America LLC
Project Manager
1001 Louisiana Street, Suite 1000
Houston, TX 77002

Date

November 3, 2021

Matthew A Nowak, PWS
Natural Gas Pipeline Company of America LLC
Project Environmental Lead
8 Anngina Drive
Enfield, CT 06082

Date

B. Responsibilities and Schedules

IDNR is responsible for the review of this Conservation Plan and for subsequent issuance of the Incidental Take Authorization. IDNR will have duties of surveying for threatened or endangered turtles within the construction perimeter following the installation of silt fence around the construction site.

Matthew Nowak, Environmental Lead for NGPL, will be the contact for this conservation plan. The individual responsibilities include the following:

- responsible for training and education of construction crews
- adaptive management; responsible for coordinating changes in construction activities and

- consultation with IDNR in response to unforeseen circumstances that may occur
- IDNR liaison

A monitoring report of construction activities and listed species observations will be submitted to IDNR for all work occurring within the action areas. Upon completion of the Project, a summary report of relocated turtles will be provided to the IDNR. Similarly, any ornate box turtles accidentally killed (i.e., taken) during work or found on site throughout will be recorded (approximate age, possible cause of death), photographed, and reported to the IDNR at the conclusion of the Project.

C. Certification

The Natural Gas Pipeline Company of America, LLC herby certifies that it has the authority and funding to complete the project and to address the issues proposed in this Incidental Take Conservation Plan for the state-listed ornate box turtle. Natural Gas Pipeline Company of America, LLC is in charge of construction and will assure that all applicable state, federal, and local laws will be adhered to during the completion of the project.

Alex Henning

Digitally signed by Alex Henning
DN: cn=Alex Henning, o=PM, ou=OSG, email=alex_henning@kindermorgan.com, c=US
Date: 2021.11.03 10:20:49 -05'00'

3 November 2021

Alex Henning
Natural Gas Pipeline Company of America LLC
Project Manager
1001 Louisiana Street, Suite 1000
Houston, TX 77002

Date

D. Compliance with Federal, State, and Local Regulations

NGPL abides by all associated state and federal environmental laws in carrying out its mission of performing the most environmentally sensitive methods in their natural gas construction and maintenance. This project has completed IDNR's CERP, and will be authorized under a FERC Automatic Blanket Agreement. The CERP form and SHPO concurrence can be found in Appendix D.

E. Federal Authorizations for Take

This species is not a federally listed species. Therefore, federal authorization is not required.

6. REFERENCES

Ernst, C. H. and J. E. Lovich. 2009. Turtles of the United States and Canada. John Hopkins University Press, Baltimore, MD. 827 pp.

Illinois Department of Natural Resources (IDNR). 2017. Ornate Box Turtle (*Terrapene ornata*). Biodiversity of Illinois. Retrieved from https://www2.illinois.gov/dnr/education/CDIndex/OrnateBoxTurtle.pdf (accessed: September 2021).

Legler, J. M. 1960. Natural history of the ornate box turtle, *Terrapene ornata* Agassiz. Univ. Kansas Press Publ. Mus. Nat. Hist. 11(10):527-669.

U.S. Forest Service (USFS). 2006. Ornate Box Turtle (*Terrapene ornata ornata*): A Technical Conservation Assessment. May 16, 2006. Retrieved from https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5182076.pdf (accessed September 2021).

Appendix A - Figures

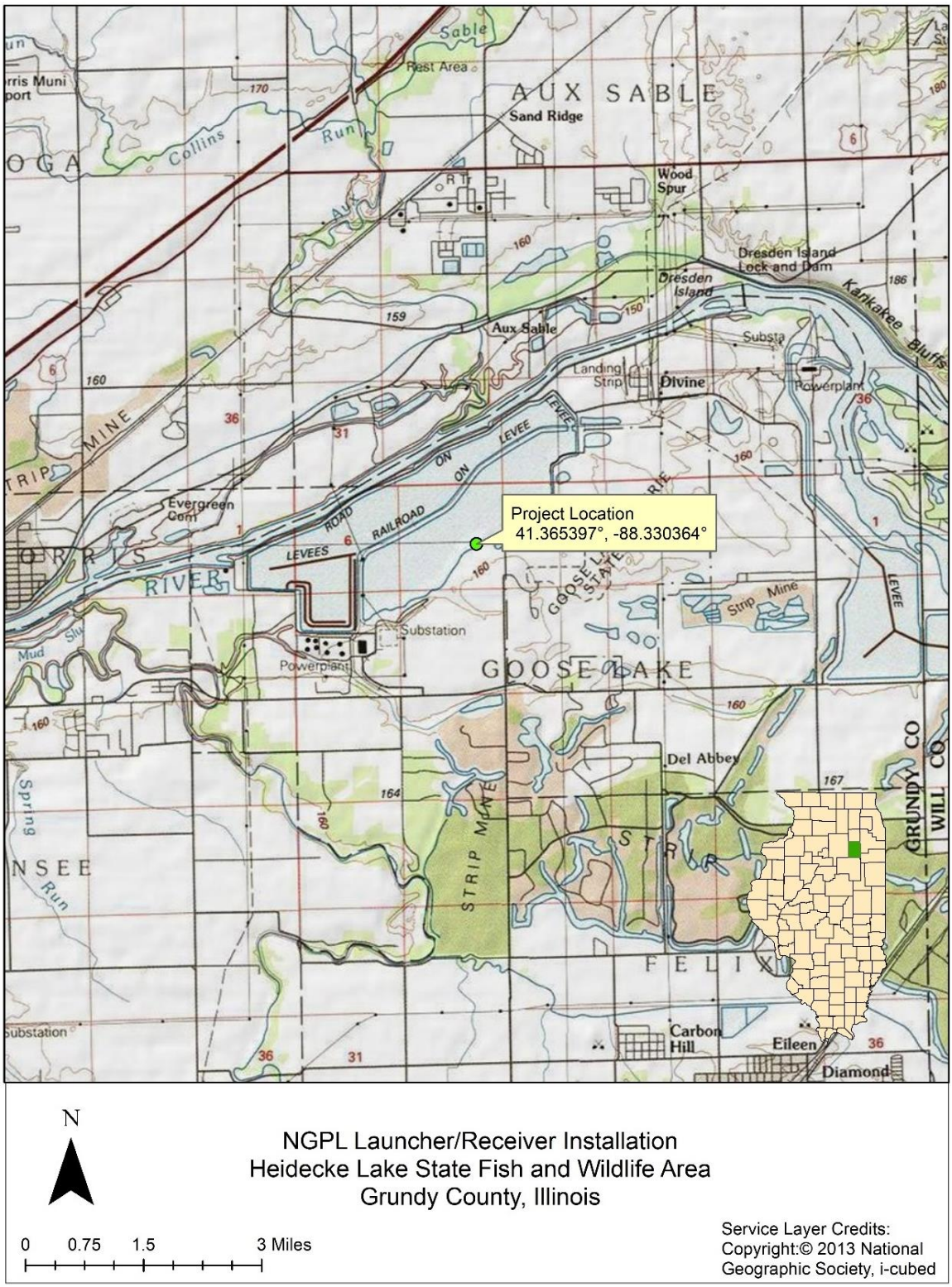

Figure 1. Location Map of project site in Grundy County, Illinois.

Figure 2. Plan Drawings of Site.

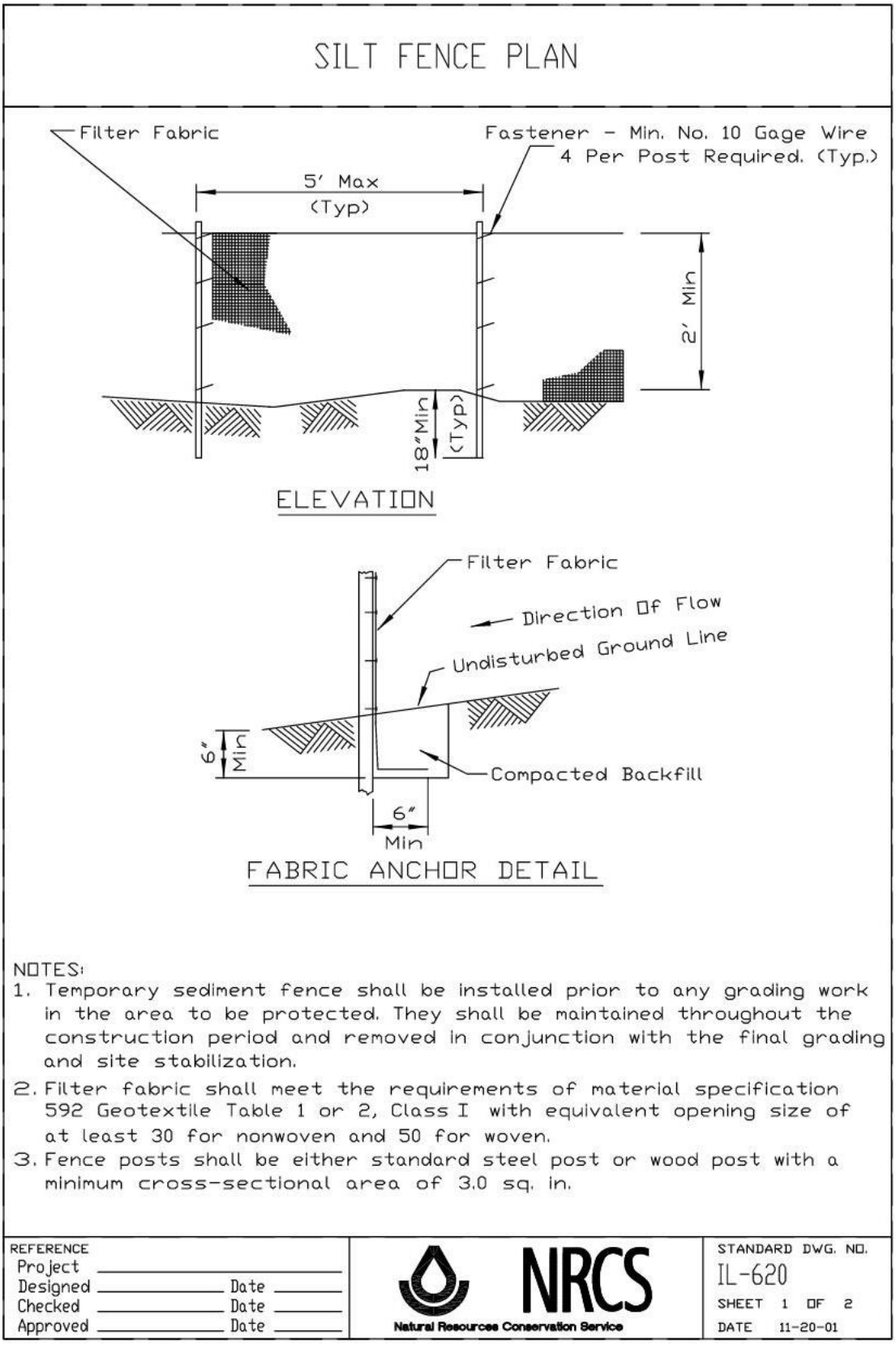

Figure 3a. Silt Fence Detail

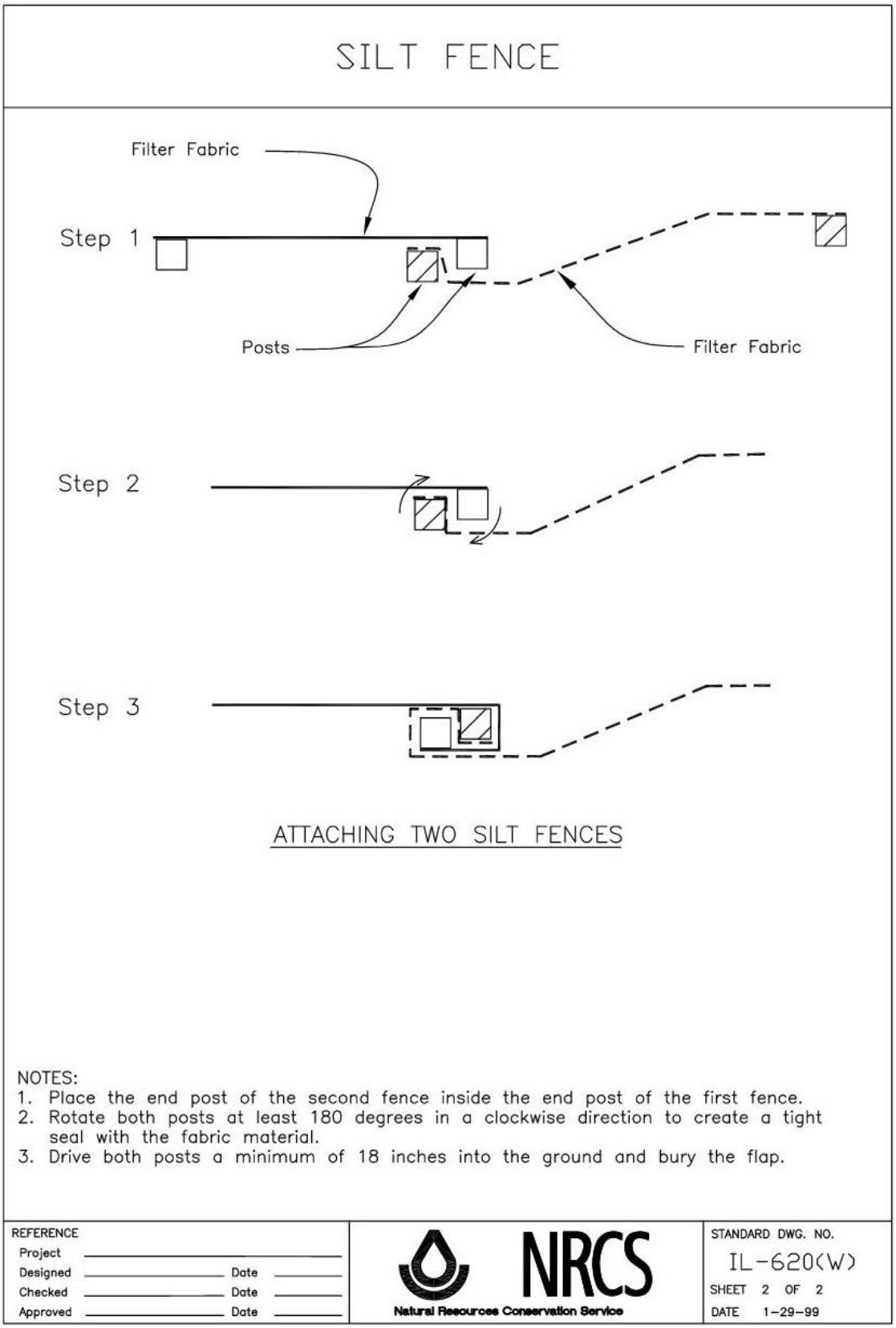

Figure 3b. Silt Fence Detail Continued.

Appendix B – Photographs

Photo 1. Entrance to the site at Heidecke Lake that will be used for access during construction. Access will be matted with timber matting. Grundy County, IL.

Photo 2. Construction area in the ROW south of Heidecke Lake. Grundy County, IL.

Photo 3. Construction area in the ROW south of Heidecke Lake. Grundy County, IL.

Photo 4. Construction area in the ROW south of Heidecke Lake. Grundy County, IL.

Appendix C – Seed Mix

IDOT Class 5 Forbs with Annual Mixture:

Forbs Mixture (below)	10 lbs/acre
Annuals Mixture (below)	1 lb/acre
Total	11 lbs/acre

Forbs Mixture
Mixture not exceeding 5% by PLS weight of any one species of the following:

Lead Plant
Smooth Aster
Prairie Coreopsis
Prairie Bergamont
Purple Prairie Clover
Spiderwort
Sky Blue Aster
New Jersey Tea
Downy sunflower
Prairie Blazing Star
White Prairie Clover
Yellow Coneflower
Rigid Goldenrod
Butterfly Weed
White Wild Indigo
Rattlesnake Master
Rough Blazing Star
Louse Wart
Prairie Cinquefoil
Prairie Dock
Thimble Weed
New England Aster
Pale Purple Coneflower
Alum Root
Wild Quinine
False Dragonhead
Compass Plant
Culver's Root

Mixture not exceeding 35% by weight of any one species of the following:

Sand Coreopsis
Black-Eyed Susan
Long-Headed Coneflower

Appendix D –
CERP and SHPO Concurrence

Illinois Department of Natural Resources

CERP code: 2200372
(Provided by CERP staff.)

COMPREHENSIVE ENVIRONMENTAL REVIEW PROCESS

Regional (or previous) CERP code:	xxxx	Project title:	Kinder Morgan Pipeline PIG installation		
Site name:	Goose Lake – Heidecke Lake	Proposed start date:	Fall 2021 thru 2022		
Contact person:	Greg Kelly	Phone:	(815)942-2899 Office	County:	Grundy
Township:	33N	Range:	8E	Section:	5

Project Description:

Kinder Morgan (KMI) owns & operates a natural gas pipeline system, Natural Gas Pipeline of America (NGPLA), which is a pre-existing, underlying condition prior to IDNR acquisition of the overlying land. Their two pipelines cross the west side of the Heidecke Lake/Goose Lake Prairie lands, and are licensed under License # xxxx, within an easement width of 100'. KMI has an MOA with SHPO. KMI proposes installation of pipeline 'pig traps' on IDNR property south of Heidecke Lake. Pig traps are above-grade steel assemblies of pipes and valves that allow maintenance personnel to launch and receive pipeline 'pigs'. Pigs are a colloquial name for inspection & cleaning devices that are sent down the pipeline to clean and assess pipeline conditions. KMI needs to install traps at the proposed location due to the pipe outside diameter changing. The majority of the mainline through central Illinois is 30" in diameter, but the pipe underneath Heidecke Lake is 36". Because of the size differences, different sized pigs are needed for precision In-Line-Inspection (ILI). The pipe diameter transition is on IDNR property south of Heidecke Lake.

This is an early planning CERP for the construction project to install the PIGs. An earlier CERP, #2111748, was reviewed for the geotechnical investigation, hydrovac work. The hydrovac work will now occur concurrently with the first phase of construction. The PIG termini will be located in a minimally visible configuration, 4-5' max height. The pipeline connections between PIGs and existing pipeline will be pushed/directionally bored to meet existing pipeline depths. The installation of the PIG apparatus and its connecting lines will occur in 2 phases; 2 separate pipelines are involved and KMI is doing work on one line per year. All excavation and construction staging will remain within the KMI easement/license area. The final constructed PIG facility area will be fenced with a gated, 110' x 68.5' rectangular area, within the easement. The PIG apparati will require concrete foundations. The grounds within the easement will be 'paved' with geotextile fabric and gravel mulch. Site access will be from the Heidecke Lake parking lot and will follow the existing fire access route, using temporary matting and silt fence, if required due to soil and ecological conditions. No trees will be removed. Following the construction, KMI will require yearly access to the PIG monitoring equipment.

Is tree clearing required? Yes or No **No** Number, size, species:

Is work area in a Federal Aid Project boundary? Yes or No **Yes** Federal Aid type: ??

Funding source: IDNR Capital— Heavy Equipment— Force Account—

Other State, Local, or Private agency— **Kinder Morgan**

Federal Agency— Federal Program—

Approval by Site Superintendent (for all NON-CAPITAL projects, e.g., heavy equipment, force account, leases, r-o-w, etc.)

Signature, Site Superintendent: *Greg Kelly by Laura Verden,RLA* Date: 7-1-21

CERP Staff Only
REVIEWS PERFORMED

	Approved	Approved w/ Restrictions	Comments
Threatened & Endangered Species Natural Areas/Nature Preserves		x	See restrictions below.
Wetlands	x		
Cultural Resources	x		
Other (contaminants, wildlife, federal nexus, etc.)	n/a		

Justin Dillard

9/1/2021

Justin Dillard, CERP Program Manager 217–557-6723 Date

Restrictions for 2200372 Kinder Morgan Pipeline PIG Monitoring Construction

Threatened and Endangered Species:

-Incidental Take Authorization for Ornate Box Turtle is required for this construction project. All ITA restrictions for this project must be strictly followed.

INPC/INAI/IDNR Lands:

-Access area must first be surveyed by DHB Kirk prior to project implementation.
-Access area must be surrounded by silt fence.
-Construction matting must be used for all access areas where appropriate and removed when not in use.
-All equipment used for this project must be washed offsite prior to entry into the Land and Water Reserve access area. This must be conducted so as to remove all foreign soils, plant duff, and all organic material. This is to prevent exotic plant species introduction into the LWR access area.
-All construction and staging must remain strictly within KMI ROW.
-Entry into the LWR is only permitted for accessing KMI ROW. No staging or refueling.
-DHB Kirk must be contacted prior to project implementation for coordination. This includes input on the LWR access route, as there are previously mowed/unimproved lanes that IDNR prefers be used for access.
-All spoils must be replaced where excavated or removed completely off of IDNR property.
-IDNR requests future coordination for restoration and management of the impacted construction areas within the ROW upon completion of the project.

ILLINOIS
DEPARTMENT OF NATURAL RESOURCES

Illinois Department of Natural Resources

JB Pritzker, Governor
Colleen Callahan, Director

www.dnr.illinois.gov

Mailing address: State Historic Preservation Office, 1 Old State Capitol Plaza, Springfield, IL 62701

Grundy County
Goose Lake Township
East Collins Road
Section:33-Township:34N-Range:8E
FERC
*Natural gas pipeline conversion/replacement - NGPL

PLEASE REFER TO: SHPO LOG #005033021

April 29, 2021

Darren Mitchell
Farnsworth Group
20 Allen Avenue, Suite 200
St. Louis, MO 63119

Dear Mr. Mitchell:

We have reviewed the documentation submitted for the referenced project(s) in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties are affected. We, therefore, have no objection to the undertaking proceeding as planned.

Please retain this letter in your files as evidence of compliance with section 106 of the National Historic Preservation Act of 1966, as amended. This clearance remains in effect for two (2) years from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Skeletal Remains Protection Act (20 ILCS 3440).

If you are an applicant, please submit a copy of this letter to the state or federal agency from which you obtain any permit, license, grant, or other assistance. If further assistance is needed contact Jeff Kruchten, Chief Archaeologist at 217/785-1279 or Jeffery.kruchten@illinois.gov.

Sincerely,

Robert F. Appleman
Deputy State Historic
Preservation Officer