

**ENVIRONMENTAL ASSESSMENT FOR THE STORMWATER IMPROVEMENT
PROJECT FOR THE VILLAGE OF RICHTON PARK, COOK COUNTY, ILLINOIS
SECTION 219, WRDA 1992, AS AMENDED**

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SECTION 1 PURPOSE AND NEED

PURPOSE

The purpose of the proposed project is to address flooding along Governors Highway and Sauk Trail, as well as improve hydraulic conditions along the East Branch of Butterfield Creek to suit the economic development goals established by the Village of Richton Park (Village), Cook County, Illinois (Figure 1). The Village is pursuing opportunities to redevelop underutilized areas and the Town Center Development has been identified as the focal point of the Village's commercial growth. In order to promote such sustainable development, centralized stormwater management facilities are essential to the success of transit-oriented districts.

NEED FOR ACTION

In general, the action is necessary since existing infrastructure within the vicinity of the Town Center Development floods during moderate storm events due to poor inlet spacing at the southeast corner of Governors Highway and Sauk Trail. Additional problems within the vicinity of the Town Center Development due to inadequate existing infrastructure include: stormwater runoff from the elevated railroad tracks along Governors Highway causing serious flooding issues along Sauk Trail; inundation of the nearby Maple Avenue crossing during one-inch or greater storm events; flooding of Governors Highway inhibiting north-south traffic flow during one-inch and greater storm events; an approximately 900 linear feet reach of the East Branch of Butterfield Creek frequently flooding due to poor maintenance and limited channel capacity; and storm sewer back-ups in the vicinity of the Town Center Development due to stormwater runoff being detained longer than necessary in an existing detention basin located behind the Village of Richton public library.

AUTHORITY

The study is authorized under Section 219 of the Water Resources Development Act (WRDA) of 1992, as amended by Section 504 of 1996, Section 502 of the WRDA of 1999, Section 108 of the Consolidated Appropriations Act of 2001, Section 145 of the Energy and Water Appropriations Act of 2004, and Sections 5075 and 5158 of the WRDA of 2007. These amended authorities allow the U.S. Army Corps of Engineers (USACE) to provide planning, design and construction assistance for water-related environmental infrastructure projects.

LOCAL SPONSOR

The project's non-Federal sponsor is the Village of Richton Park.



Figure 1: Richton Park Project Area

SECTION 2
ALTERNATIVES, INCLUDING
THE PREFERRED ALTERNATIVE

Five alternatives were considered to address this water main problem in Richton Park, Illinois.

- 1. No Action-** Under this alternative, no changes would be made to address the water main problem in the Village of Richton Park. The existing stormwater infrastructure would continue to be inadequate to handle moderate to severe storm event flows. This would lead to continued flooding along Governors Highway, a major thoroughfare in the area, as well as flooding within the Town Center Development area thereby hindering the economic and development goals of the Village for this location.
- 2. Parallel Channel Design with Integrated Wetland Corridor-** Under this alternative, proposed stormwater improvements would be centered on an approximately 900 LF channel reach of the East Branch of Butterfield Creek and flooding at the intersection of Governors Highway and Sauk Trail. A parallel channel to the existing channel would be constructed that would convey flows downstream of the Sauk Trail culvert. The parallel channel would effectively be located outside of the channel floodway and function as an independent channel during smaller wet weather events. An environmental survey conducted in late 2019 identified wetland areas that were extensive and often followed the East Branch of Butterfield Creek floodplain limits. The surveyed wetlands were effectively too extensive to properly accommodate the proposed parallel channel. These wetlands would have had additional design considerations and would have needed to be monitored and reported on for a minimum of 5 years. This additional environmental work and coordination would have increased project costs and negatively impacted the project timeline.
- 3. Wetland Avoidance Improvements-** Under this alternative, stormwater flows would be routed around wetland areas along the East Branch of Butterfield Creek channel via culverts along Governors Highway. While hydraulically this option would address flooding at Sauk Trail and Governors Highway, the more efficient conveyance of stormwater flows to the north would exacerbate the flooding at Governors Highway and the railroad tracks. Since this is an unacceptable outcome, this alternative was deemed unacceptable.
- 4. Upstream Stormwater Detention-** Under this alternative, a detention basin at the upstream end of the East Branch of Butterfield Creek within Village limits would be constructed to improve flooding conditions downstream. The constructed detention basin would be approximately 1.7 acres and 7 feet deep, which would provide enough detention volume so that flooding would be reduced within the Village limits and excess storage volume would be available for any future development within the Town Center Development area. In addition to construction of the detention basin, this alternative includes the construction of an outlet pipe that would extend approximately 600 LF from the detention basin to the East Branch of Butterfield Creek, and restoration of an approximately 900 LF reach of the East Branch of Butterfield Creek to improve instream hydraulics. Restoration would include the removal of artificial substrates (i.e., riprap and broken concrete), slight grading of the channel banks, placement of topsoil (repurposed from the excavation of the detention basin) along the channel banks as a growth medium, and planting of native vegetation along the channel banks. The restoration of the channel would not include straightening or deepening of the channel. This alternative would address existing infrastructure issues causing flooding issues at Governors Highway and Sauk Trail within the vicinity of the Town Center Development.

5. **Improve Existing Corridor Infrastructure-** Under this alternative, improvements would be implemented along an approximately 900 LF reach of the East Branch of Butterfield Creek to enhance channel function; however, this would not solve flooding issues at Governors Highway and Sauk Trail, as well as some of the other problems listed under Need for Action in Section 1. This approach was deemed to be insufficient and so will not be considered for this project.

RECOMMENDED PLAN

The preferred alternative is Alternative 4, Upstream Stormwater Detention (Figure 2). The preferred alternative includes the construction of an approximately 1.7 acre detention basin by seven feet deep along the East Branch of Butterfield Creek in the Village of Richton Park. The slopes of the constructed detention basin would be seeded with a native grass seed mix while the surrounding flat areas of the detention basin that were disturbed by construction would be planted with a turf grass mix. In addition, an outlet pipe would be constructed that would extend approximately 600 LF from the detention basin to the East Branch of Butterfield Creek, and an approximately 900 LF reach of the East Branch of Butterfield Creek would be restored. The restoration of the 900 LF of channel would include the removal of unnatural substrates from the channel bottom (i.e., riprap and broken concrete), slight grading of the banks, placement of growth medium along the graded banks (i.e., topsoil), and planting with a native grass seed mix. Restoration of the channel does not include straightening or deepening of the channel; the invert of the channel is expected to remain the same. Staging of equipment during construction will be in designated work areas where wetlands have not been identified. Once construction is complete, any staging areas would be returned to their pre-construction condition or better. Long-term project maintenance would include mowing around the edge of the detention basin every other year to prevent establishment of woody vegetation and inspection of the outlet control pipe annually to ensure there are no debris blockages. Any debris blockages found during inspection will be cleared as required.



Figure 2: Depiction of the Preferred Alternative, Alternative 4 – Upstream Stormwater Detention

COMPLIANCE WITH ENVIRONMENTAL PROTECTION STATUTES, EXECUTIVE ORDERS AND REGULATIONS

The proposed action is in full compliance with appropriate statutes, executive orders and regulations, including the National Historic Preservation Act of 1966, as amended; Fish and Wildlife Coordination Act, as amended; Endangered Species Act of 1973, as amended; Coastal Zone Management Act of 1972, as amended; Section 10 of Rivers and Harbors Act of 1899; Clean Air Act of 1963, as amended; National Environmental Policy Act of 1969, as amended; Executive Order 12898 (Environmental Justice); Executive Order 11990 (Protection of Wetlands); Executive Order 11988 (Floodplain Management); and, the Clean Water Act of 1972, as amended.

SECTION 3 AFFECTED ENVIRONMENT

PROJECT AREA

The project is located in the Village of Richton Park, Cook County, Illinois. The project area is located on the northeast side of Richton Park, at the crossroads of Sauk Trail and Governors Highway in the Town Center development.

CLIMATE

The climate of the study area is predominantly continental with some modifications by Lake Michigan. The National Oceanic and Atmospheric Administration's (NOAA) Online Weather Data was queried for the Chicago Area since the closest local climatology reporting locations to the project areas are in eastern Illinois. Daily and monthly normal for temperature, precipitation, and snowfall between 1981 and 2010 were available (NOAA 2020a) (Figure 3). The mean winter high temperature is 31.0°F while the mean winter low temperature is 16.5°F (January). The mean summer high temperature is 84.1°F while the mean summer low temperature is 63.9°F (July). Annual total precipitation normal for the Chicago area is 36.9 inches. In winter, total snowfall is generally heavy with an annual total snowfall normal of 36.3 inches. The majority of snowfall occurs between December and February with total snowfall normal ranging from 8.2 inches (i.e., December) to 9.1 inches (i.e., February) during this timeframe.

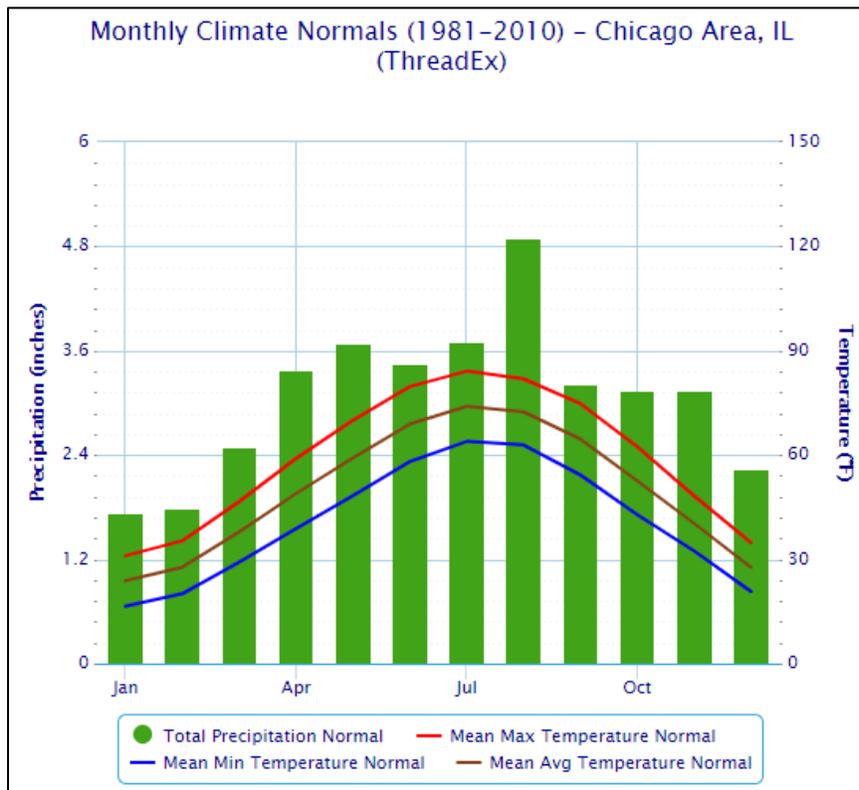


Figure 3: Precipitation and Temperature Normals for the General Project Areas between 1981 and 2010 (NOAA 2020a).

GEOLOGY AND SOILS

Geology

Glaciation within the Chicago region ended about 13,000 years ago when the glaciers receded from the area for the last time. In the Chicago region, the most common type of bedrock is a magnesium-rich limestone called dolomite that was originally deposited on reefs set in shallow seas during the Silurian period about 400 million years ago. The youngest bedrock in the Chicago region dates from the Pennsylvania period about 300 million years ago. Surface features in the region are all made of material deposited by the glaciers or by the lakes that appeared as the glaciers melted. In some places, these deposits are nearly 400 feet thick.

Soils

Historically, the project area was comprised of the Carmi Member of the Equality Formation. This member was largely formed from quiet-water lake sediments, beaches, bars, spits, and deltas. It is mostly comprised of medium-grained sands with occasional lenses of sandy gravel along where former beaches existed. Natural soils did not occur at the project site due to the constant disturbance of wave action.

The U.S. Department of Agriculture Natural Resource Conservation Service's web soil survey was queried for soils present within the project area. According to the web soil survey there are five types of soil comprising the project area (Figure 4): Ashkum silty clay loam (Map Unit ID 232A), Beecher silt loam (Map Unit ID 298A), Frankfort silt loam (Map Unit ID 320A), Markham silt loam (Map Unit ID 531C2), and Orthents (Map Unit ID 535B). Ashkum silty clay loam soils occupy approximately 47.8% of the mapped area and are soils formed on ground moraines and end moraines and are comprised of parent materials clayey colluvium over till. These soils are poorly drained and are considered hydric soils. Beecher silt loam soils occupy approximately 9.5% of the mapped area and are soils formed on ground moraines and end moraines and are comprised of parent materials of thin mantle loess or other silty material in the underlying till. Beecher soils are somewhat poorly drained and are not considered hydric soils. Frankfort silt loam soils occupy approximately 7.3% of the mapped area and are soils formed on ground moraines and end moraines and are comprised of parent materials of thin mantle loess or other silty material in the underlying till. Frankfort soils are somewhat poorly drained and are not considered hydric soils. Markham silt loam soils occupy approximately 35.2% of the mapped area and are soils formed on ground moraines and end moraines and are comprised of parent materials of loess over silty clay loam till. Markham soils are moderately well drained and are not considered hydric soils. Lastly, Orthents soils occupy approximately 0.2% of the mapped area and are soils formed on terraces and are comprised of parent materials of dredge spoils. Orthents are well drained soils and are not considered hydric soils. All of the aforementioned soils, except Orthent soils, are considered prime farmland if drained.



Figure 4: NRCS Soil Survey Map of the Project Area.

AIR AND WATER QUALITY

Air and water quality in the project area are typical of what would be expected in a densely populated urban area in northeast Illinois. Using the U.S. Environmental Protection Agency’s (USEPA) air quality index (AQI), air quality is categorized as moderate to good for the Village of Richton Park. Most of the impacts to air quality in this area are due to the large number of cars and trucks driven on the extensive road system in this Chicago metropolitan area. Additionally, the Federal Clean Air Act requires the USEPA to set national ambient air quality standards (NAAQS) for six criteria pollutants (carbon monoxide, lead, nitrogen dioxide, particulate matter, ozone, and sulfur oxides) which are considered harmful to public health and the environment. Areas not meeting the NAAQS for one or more of the criteria pollutants are designated as “nonattainment” areas by the USEPA. The proposed project site is in Cook County, Illinois. The county is currently in nonattainment for the 2015 8-hour ozone standard and the 2008 8-hour ozone standard. See Table 1 for additional details.

Table 1: NAAQS Nonattainment/Maintenance Status for Richton Park, Illinois (USEPA 2020).

NAAQS	Area Name	Current Status	Classification
8-Hour Ozone (2015)	Chicago, IL-IN-WI	Nonattainment	Marginal
8-Hour Ozone (2008)	Chicago-Naperville, IL-IN-WI	Nonattainment	Serious

The Village of Richton Park is supplied by groundwater pumped from three wells within a confined aquifer and three ion exchange & aeration facilities. The water is treated with aeration and ion exchange softening as well as chlorine and fluoride. The water distribution system consists of approximately 42 miles of 6, 8, 10, 12, & 16-inch water main, 650 fire hydrants and 600 water main-line valves. The distribution system also includes 3,500 water meters ranging in size from ¾ inch to 3 inches. The water storage system includes three elevated towers with a combined capacity of 1 million gallons. Tower 2 is located near well 2 in Richton Hills and has a capacity of 250,000 gallons. Tower 3 is located near well 3 in Lakewood and has a capacity of 250,000 gallons. Tower 4 is located near well 4 in Lincoln Crossings and has a capacity of 500,000 gallons. Based on information obtained during a well site survey, published in 1992 by the Illinois Environmental Protection Agency (IEPA), there are no potential sources of contamination within the survey area of Richton Park. In addition, the IEPA determined that the Richton Park community’s water supply source is not susceptible to contamination nor is the community’s water supply vulnerable to viral contamination.

With regard to water quality within local waterways, the East Branch of Butterfield Creek lies within the Village of Richton Park and is adjacent to the proposed project footprint. The 2018 303(d) list of impaired waters within the State of Illinois was queried regarding the East Branch of Butterfield Creek. The East Branch of Butterfield Creek was not found on the list, however, the Butterfield Creek mainstem (IL-HBDB-03) is listed on the 303(d) list of state impaired waters for aquatic life and primary contact recreation due to hexachlorobenzene and fecal coliform, respectively (IEPA 2018).

PLANT COMMUNITIES

Wetlands

Wetlands were delineated within the vicinity of the project area (Figure 5). The identified wetlands, which are considered freshwater shrub/forested wetlands, are found within the floodplain of the East Branch of Butterfield Creek which is adjacent and part of the project area. The reach of the East Branch of Butterfield Creek that is within the project area (an approximately 900 LF reach) has no designated

wetlands since the channel has been heavily modified due to past development in the area.

Upland

The majority of the upland habitat within the project area (Figure 5) is dominated by non-native invasive brush with very few native plant species. Species present in the area include European buckthorn (*Rhamnus cathartica*), amur honeysuckle (*Lonicera maackii*), box elder (*Acer negundo*), and cottonwood (*Populus deltoides*).

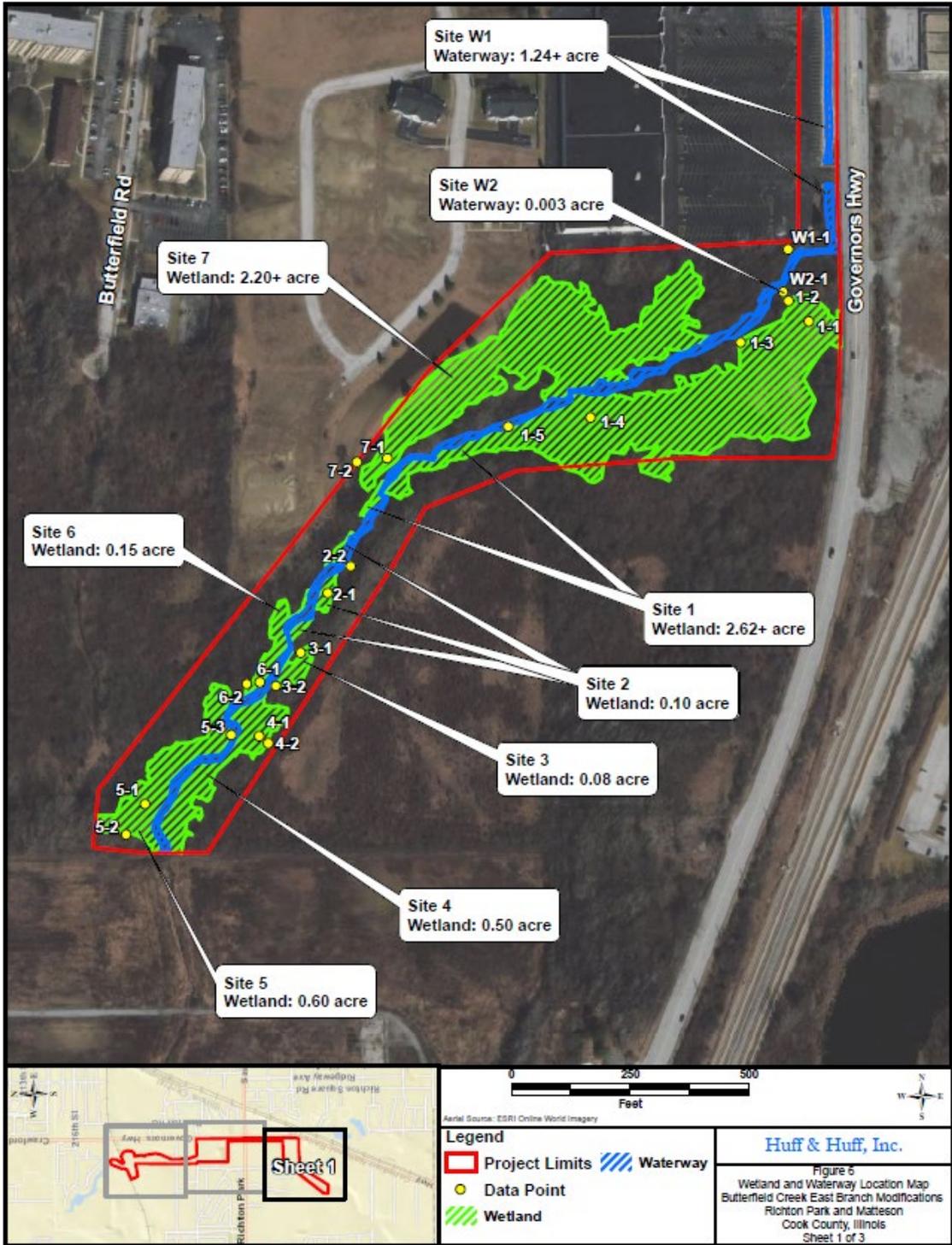


Figure 5: Location of Wetlands within the Project Area.

AQUATIC COMMUNITIES

Fish

The closest water resource to the project area is the East Branch of Butterfield Creek which is adjacent to the project area to the east and north. The East Branch of Butterfield Creek flows into Butterfield Creek, which flows into Thorn Creek, which flows into the Little Calumet River. The Fishes of the Chicago Region Database (Veraldi, unpublished data) was queried for fish species that were collected from the East Branch of Butterfield Creek. No collections were made from the East Branch of Butterfield Creek, however, collections were made in the mainstem of Butterfield Creek just north of the project area. Therefore, the following species were collected from the mainstem of Butterfield Creek and are likely found in the East Branch of Butterfield Creek tributary: black bullhead (*Ameiurus melas*), yellow bullhead (*Ameiurus natalis*), creek chub (*Semotilus atromaculatus*), fathead minnow (*Pimephales promelas*), green sunfish (*Lepomis cyanellus*), Johnny darter (*Etheostoma nigrum*), largemouth bass (*Micropterus salmoides*), white sucker (*Catostomus commersoni*), golden shiner (*Notemigonus crysoleucas*), and central stoneroller (*Campostoma anamolom*). The common carp (*Cyprinus carpio*), a non-native species, has also been collected from Butterfield Creek.

Aquatic Macroinvertebrates

As discussed above, the closest water resource to the project area is the East Branch of Butterfield Creek which is adjacent to the project area. A survey of the macroinvertebrate community within the East Branch of Butterfield Creek was not readily available. Macroinvertebrate sampling has occurred within Thorn Creek, which the Butterfield Creek mainstem flows into. Substrate and habitat types found within Thorn Creek are similar to those found in Butterfield Creek and the East Branch of Butterfield Creek, therefore, the macroinvertebrates observed in Thorn Creek are likely present within Butterfield Creek and its tributaries. The following aquatic macroinvertebrates are likely to occur within the East Branch of Butterfield Creek and generally indicate good water quality: Flat worm (*Dugesia tigrina*), Earthworm (*Oligochaeta*), Leech (*Erpobdella punctate*), Leech (*Mooreobdella fervida*), Leech (*Helobdella stagnalis*), Leech (*Helobdella triserialis*), Isopod (*Caecidotea intermedius*), Crayfish (*Orconectes virilis*), Mayfly (*Baetis intercalaris*), Mayfly (*Stenacron interpunctatum*), Dragonfly (*Aeshna umbrosa*), Damselfly (*Calopteryx maculate*), Damselfly (*Argia apicalis*), Little Sister Sedge Caddisfly (*Cheumatopsyche sp.*), Caddisfly (*Hydropsyche depravata* complex), Caddisfly (*Hydropsyche sp.*), Caddisfly (*Hydropsychidae*), Riffle Beetle (*Stenelmis crenata*), Non-biting Midge (*Ablabesmyia mallochi*), Non-biting Midge (*Brillia flavifrons*), Non-biting Midge (*Brillia sp.*), Harlequin Fly (*Chironomus sp.*), Non-biting Midge (*Conchapelopia sp.*), Non-biting Midge (*Cricotopus bicinctus*), Non-biting Midge (*Cryptochironomus sp.*), Non-biting Midge (*Polypedilum fallax-gr.*), Non-biting Midge (*Polypedilum illinoense-gr.*), Non-biting Midge (*Polypedilum scalaenum-gr.*), Non-biting Midge (*Polypedilum sp.*), Non-biting Midge (*Rheocricotopus robacki*), Non-biting Midge (*Thienemanniella xena*), Striped Black Fly (*Similium vittatum* complex), Crane Fly (*Tipula sp.*), Limpet (*Ferrissia sp.*), Rusty Fossaria (*Fossaria sp.*), Mud Amnicola (*Amnicola limosa*), Asian Clam (*Corbicula flumineum*), Arab Muslim (*Musclium secures*), Little Mussel (*Musclium transversum*), Ridgebeak Peaclam (*Pisidium compressum*), Hydra (*Hydra sp.*), and Beetle (*Peltodytes duodecimpunctus*) (Northeastern Illinois planning commission, 2005).

TERRESTRIAL COMMUNITIES

Reptiles and Amphibians

Due to the urban nature of the project area, only common species of reptiles and amphibians would be

expected to be present. Common species that may be in the general area due to the proximity to the East Branch of Butterfield Creek include common garter snake (*Thamnophis sirtalis*), northern watersnake (*Nerodia sipedon*), eastern racer (*Coluber constrictor*), American bullfrog (*Lithobates catesbeianus*), and snapping turtle (*Chelydra serpentina*).

Birds

The western shoreline of Lake Michigan is recognized as “one of the most important flyways for migrant songbirds in the United States by many ornithologists and birdwatchers worldwide” (Shilling and Williamson, BCN), and is considered globally significant. An estimated 5 million songbirds use the north-south shoreline of Lake Michigan as their migratory sight line every year. Although the project area is within the vicinity of Lake Michigan, and the project area is within the vicinity of the East Branch of Butterfield Creek, there is no significant bird habitat present within the project area. The project area is located within the vicinity of open space, residential, industrial, and infrastructure (e.g., Governors Highway, Sauk Trail, and elevated railroad lines). Due to the noise associated with the adjacent Governors Highway and the elevated railroad lines, birds that may be present within the area would primarily be common species that are fairly habituated to human disturbance. Common species that may be observed include: American robin (*Turdus migratorius*), barn swallow (*Hirundo rustica*), blue jay (*Cyanocitta cristata*), Canada goose (*Branta canadensis*), downy woodpecker (*Picoides pubescens*), European starling (*Sturnus vulgaris*), house sparrow (*Passer domesticus*), mallard (*Anas platyrhynchos*), mourning dove (*Zenaida macroura*), northern cardinal (*Cardinalis cardinalis*), ring-billed gull (*Larus delawarensis*), great egret (*Ardea alba*), and great blue heron (*Ardea herodias*).

Mammals

A list of mammals was assembled utilizing publications and available data that have the potential to occur within the project area. Large mammal habitat is degraded; however, coyote (*Canis latrans*) make up the large mammal potential for the area. Small mammals that have the potential to occur within the area include common urban species such as Norwegian rat (*Rattus norvegicus*), eastern gray squirrel (*Sciurus carolinensis*), fox squirrel (*Sciurus niger*), eastern chipmunk (*Tamias striatus*), Virginia opossum (*Didelphus virginiana*), striped skunk (*Mephitis mephitis*), eastern cottontail, and raccoon (*Procyon lotor*).

NATURAL AREAS

The Sauk Trail Woods Forest Preserve and the King’s Grove Forest Preserve are located east of the project location. A wide variety of wildlife and plants are located within these preserves.

THREATENED AND ENDANGERED SPECIES

Federal

A query of the U.S. Fish and Wildlife Service’s (USFWS) Environmental Conservation Online System Information for Planning and Consultation (ECOS-IPaC) on May 21, 2020 resulted in official species list of federally-listed species that may be present within the project area. The obtainment of the official species list from ECOS-IPaC fulfills the requirement for Federal agencies to “request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the

area of a proposed action”. Ten federally-listed threatened, endangered, or candidate species were identified as potentially occurring within the project area (Table 2). Critical habitat has been designated for the piping plover and the Hine’s emerald dragonfly; however, the project location is outside the critical habitat area for both of these species.

Table 2: Federally-listed Species Potentially Occurring within the Project Area.

Species Name	Federal Status	Habitat	Potential to Occur
Northern long-eared bat (<i>Myotis septentrionalis</i>)	Threatened	Hibernates in caves and mines – swarming in surrounding wooded areas in autumn. Roosts and forages in upland forests and woods during the summer.	Potential to occur; lack of known maternity roosting/overwintering habitat.
Piping plover (<i>Charadrius melodus</i>)	Endangered	Found along Lake Michigan beaches.	Not expected to occur; lack of suitable habitat.
Rufa red knot (<i>Calidris canutus rufa</i>)	Threatened	Found in coastal areas or large wetland complexes. Migratory window is May 1 through September 30.	Not expected to occur; lack of suitable habitat.
Eastern massasauga (<i>Sistrurus catenatus</i>)	Threatened	Found in graminoid dominated plant communities (e.g., fens, sedge meadows, peatlands, wet prairies, open woodlands, and shrublands).	Not expected to occur; lack of suitable habitat.
Hine’s emerald dragonfly (<i>Somatochlora hineana</i>)	Endangered	Found in spring fed wetlands, wet meadows and marshes. Critical habitat has been designated for this species within Cook County; however, it is not within the vicinity of the project footprint.	Not expected to occur; lack of suitable habitat.
Rattlesnake-master borer moth (<i>Papaipema eryngii</i>)	Candidate	Found in undisturbed prairie and woodland openings that contain their only food plant, rattlesnake-master (<i>Eryngium yuccifolium</i>).	Not expected to occur; lack of suitable habitat.
Eastern prairie fringed orchid (<i>Platanthera leucophaea</i>)	Threatened	Found in mesic to wet prairies.	Not expected to occur; lack of suitable habitat.

Species Name	Federal Status	Habitat	Potential to Occur
Leafy prairie-clover (<i>Dalea foliosa</i>)	Endangered	Found in prairie remnants along the Des Plaines River in Illinois, in thin soils over limestone substrate.	Not expected to occur; lack of suitable habitat.
Mead's milkweed (<i>Asclepias meadii</i>)	Threatened	Found in moderately wet to moderately dry upland tallgrass prairie or glade/barren habitat characterized by vegetation adapted for drought and fire. Persists in stable late-successional prairie.	Not expected to occur; lack of suitable habitat.
Prairie bush clover (<i>Lespedeza leptostachya</i>)	Threatened	Found in dry to mesic prairies with gravelly soil.	Not expected to occur; lack of suitable habitat.

Northern Long-eared Bat

Status. The northern long-eared bat (*Myotis septentrionalis*) is federally listed as threatened.

Distribution and Habitat. The northern long-eared bat's range includes much of the eastern and north central United States. The species' range contains 37 states, including Illinois. During the summer, northern long-eared bats roost singly or in colonies underneath bark, in cavities or in crevices of both live trees and snags. Males and non-reproductive females may also roost in cooler places, like caves and mines. During the winter, northern long-eared bats hibernate in caves and mines (USFWS 2015).

Potential for Occurrence. There are no known hibernacula within the vicinity of the project. There may be suitable roosting habitat present at the project location, although, roosting of the species at this location is not known. In addition, the riparian area around Butterfield Creek East Branch may provide suitable foraging habitat for this species. Although there are no known roosting locations within the project area, the forested area surrounding Butterfield Creek East Branch does provide potential roosting habitat as well as potential foraging habitat during summer for the northern long-eared bat. Therefore, there is the potential for the northern long-eared bat to occur within the project area.

Piping Plover

Status. The piping plover (*Charadrius melodus*) is federally listed as endangered.

Distribution and Habitat. Piping plovers are migratory birds. In the spring and summer they breed in the northern United States and Canada. There are three locations where piping plovers nest in North American: the shorelines of the Great Lakes, the shores of rivers and lakes in the Northern Great Plains, and along the Atlantic Coast. In the fall, plovers migrate south and winter along the coast of the Gulf of Mexico or other southern locations. Piping plovers use wide, flat, open, sandy beaches with very little grass or other vegetation. Nesting territories often include small creeks or wetlands (USFWS 2001).

Potential for Occurrence. There is no suitable habitat within the vicinity of the project for this species. Therefore, the piping plover is not expected to occur within the project area.

Rufa Red Knot

Status. The rufa red knot (*Calidris canutus rufa*) is federally listed as threatened.

Distribution and Habitat. The rufa red knot nesting range centers in Canada north of the Arctic Circle. Range during the winter primarily is in southern South America. The rufa red knot is known to migrate along the Great Lakes Flyway which includes the Chicago area. The migratory period for the species extends from May 1 through September 30. The rufa red knot uses different habitats for breeding, wintering, and migration. Breeding habitats are elevated and sparsely vegetated ridges or slopes. They are often adjacent to wetlands and lake edges for feeding. Wintering and migration habitats are often muddy or sandy coastal areas, such as the mouths of bays and estuaries, and tidal flats (NatureServe 2019).

Potential for Occurrence. Although the rufa red knot could potentially migrate through the area, there is no suitable habitat within the project area that the species would use. Nearest suitable habitat is the coast of Lake Michigan which is approximately 18 miles northeast of the project area.

Eastern Massasaugua

Status. The eastern massasauga (*Sistrurus catenatus*) is federally listed as threatened.

Distribution and Habitat. Eastern massasaugas live in an area that extends from central New York and southern Ontario to southcentral Illinois and eastern Iowa. Historically, the snake's range covered this same area, but within this large area the number of populations and numbers of snakes within populations have steadily shrunk. Generally, only small, isolated populations remain. Massasaugas live in wet areas including wet prairies, marshes, and low areas along rivers and lakes. In many areas massasaugas also use adjacent uplands during part of the year. They often hibernate in crayfish burrows but may also be found under logs and tree roots or in small mammal burrows.

Potential for Occurrence. There is no suitable habitat (e.g., fens, sedge meadows, peatlands, wet prairies, open woodlands, and shrublands) within the vicinity of the project for this species. Therefore, the eastern massasauga is not expected to occur within the vicinity of the project location.

Hine's Emerald Dragonfly

Status. The Hine's emerald dragonfly (*Somatochlora hineana*) is federally listed as endangered.

Distribution and Habitat. Historically, the Hine's emerald dragonfly was found in Alabama, Indiana, and Ohio and probably has been extirpated in those states. Today the dragonfly can only be found in Illinois, Michigan, Missouri, and Wisconsin. The Hine's emerald dragonfly lives in calcareous (high in calcium carbonate) spring-fed marshes and sedge meadows overlaying dolomite bedrock (USFWS 2006).

Potential for Occurrence. There is no suitable habitat within the vicinity of the project for this species. Therefore, the Hine's emerald dragonfly is not expected to occur within the project area.

Rattlesnake-master borer moth

Status. The rattlesnake-master borer moth (*Papaipema eryngii*) is a federal candidate species for listing.

Distribution and Habitat. This species is endemic to the continental United States and its range includes Arkansas, Illinois, Indiana, Iowa, Kentucky, North Carolina, and Oklahoma. It is presumed to have occurred from Missouri and the states between the prairie region and North Carolina, although no records are known from these areas. Rattlesnake-master borer moths are obligate residents of undisturbed prairie and woodland openings that contain their only food plant, rattlesnake-master (Mankowski et al. 2014).

Potential for Occurrence. This species has been observed in Cook County since 2002, however, it was observed further south in the county. In addition to having never been observed within the vicinity of the project, there is no suitable habitat for this species present in the area. Therefore, this species is not expected to occur within the project area.

Eastern Prairie Fringed Orchid

Status. The eastern prairie fringed orchid (*Platanthera leucophaea*) is federally listed as threatened.

Distribution and Habitat. The range of this species occurs mostly east of the Mississippi River in fewer than 60 sites in Illinois, Iowa, Maine, Michigan, Ohio, Virginia, Wisconsin, and in Ontario, Canada. The eastern prairie fringed orchid occurs in a wide variety of habitats, from mesic prairie to wetlands such as sedge meadows, marsh edges, even bogs. A symbiotic relationship between the seed and soil fungi, called mycorrhizae, is necessary for seedlings to become established (USFWS 2005a).

Potential for Occurrence. There is no suitable habitat within the vicinity of the project for this species. Therefore, the eastern prairie fringed orchid is not expected to occur within the project area.

Leafy Prairie-Clover

Status. The leafy prairie-clover (*Dalea foliosa*) is federally listed as endangered.

Distribution and Habitat. This species is found in prairie remnants along the Des Plaines River in Illinois, in this soils over limestone substrate. It favors sites with a wet spring and fall and a dry summer (USFWS 1997).

Potential for Occurrence. There is no suitable habitat within the vicinity of the project for this species. Therefore, the leafy prairie-clover is not expected to occur within the project area.

Mead's Milkweed

Status. The Mead's milkweed (*Asclepias meadii*) is federally listed as threatened.

Distribution and Habitat. This milkweed formerly occurred throughout the eastern tallgrass prairie region of the central United States, from Kansas through Missouri and Illinois and north to southern Iowa and northwest Indiana. Mead's milkweed requires moderately wet to moderately dry upland tallgrass prairie or glade/barren habitat characterized by vegetation adapted for drought and fire. It persists in stable late-successional prairie (USFWS 2005b).

Potential for Occurrence. There is no suitable habitat within the vicinity of the project for this species. Therefore, Mead's milkweed is not expected to occur within the project area.

Prairie Bush Clover

Status. The prairie bush clover (*Lespedeza leptostachya*) is federally listed as threatened.

Distribution and Habitat. The prairie bush clover is endemic to the tallgrass prairie region of the upper Mississippi River Valley in the Midwestern United States (USFWS 2009).

Potential for Occurrence. There is no suitable habitat within the vicinity of the project for this species. Therefore, the prairie bush clover is not expected to occur within the project area.

State

The Illinois Department of Natural Resources (IDNR) Ecological Compliance Assessment Tool was queried on May 23, 2020 for state-listed species that may be present within the vicinity of the project area. The review resulted in no record of state-listed threatened or endangered species, Illinois Natural Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water reserves in the vicinity of the project location.

ARCHEOLOGICAL AND HISTORIC PROPERTIES

The National Register of Historic Places (NRHP) was queried for listed archaeological and/or historical properties within the project area. Within the project area of potential affect (APE), there are no known archaeological or historical properties. There is low potential for the presence of previously unidentified cultural resources being disturbed due to the surrounding area having been disturbed previously by filling, grading, and utility construction. The project area contains no intact archaeological material. The Illinois SHPO was contacted during the scoping process with regard to the proposed project. The Illinois SHPO responded via letter (April 15, 2020; SHPO LOG #003041420) that “based upon the information provided, no historic properties are affected. We [the SHPO], therefore, have no objection to the undertaking proceeding as planned.”

LAND USE HISTORY

Richton Park was founded in 1852. The area began when the Illinois Central Railroad arrived. A depot and an agricultural village were established where the rail line crossed Sauk Trail. Once the rail lines were electrified in 1926, Richton Park became the last stop. Local residents incorporated the village, renaming it Richton Park.

SOCIAL SETTING

The Village is home to approximately 13,646 people according to the 2018 U.S. Census Bureau. Median household income is \$56,234 (2018). Median home value is \$143,300 (2018). The Village of Richton Park has a diverse population that encompasses many races and ethnicities.

As defined in Executive Order 12898 and Council on Environmental Quality (CEQ) guidance, a minority population occurs where one or both of the following conditions are met within a given geographic area:

- The American Indian, Alaskan Native, Asian, Pacific Islander, Black, or Hispanic population of the affected area exceeds 50 percent.
- The minority population percentage of the affected area is meaningfully greater than the minority population percentage in the general population or other appropriate unit of geographic analysis.

A minority population also exists if more than one minority group is present and the aggregate minority percentage meets one of the above conditions. The selection of the appropriate unit of geographic analysis could be a governing body’s jurisdiction, a neighborhood, census tract, or other similar unit. Note that the Hispanic/Latino population is a multi-racial group, which may overlap with other minority groups.

Executive Order 12898 does not provide criteria to determine if an affected area consists of a low-income population. For the purpose of this assessment, the CEQ criteria for defining a minority population has

been adapted to identify whether or not the population in an affected area constitutes a low-income population. An affected geographic area is considered a low-income population (i.e., below the poverty level, for purposes of this analysis) where one or both of the following conditions are met within a given geographic area:

- The poverty rate of the total population is above 50 percent.
- The percentage of individuals in poverty is meaningfully greater than in the general population or other appropriate unit of geographic analysis.

An investigation of the USEPA website (May 26, 2020) indicates that minority and low-income populations live near the project area. Additionally, demographic information from the U.S. Census Bureau was gathered and is displayed in Table 3. Approximately 90.1% of the population in the Village of Richton Park is comprised of minority individuals. This does exceed the minority population of Cook County (34.5%) and the State of Illinois (22.1%). In terms of poverty 17.7% of households in the Village of Richton Park are below the poverty line as compared to 13.8% for Cook County and 12.1% for the state. A summary of the population demographics is shown in Table 3.

Table 3: Demographic information for the Village of Richton Park, Cook County and the State of Illinois (2018 U.S. Census Data).

Category	Village of Richton Park	Cook County	Illinois
Total Population	13,646	5,150,223	12,741,080
Under 18 years	22.7%	21.8%	22.4%
Under 5 years	5.3%	6.1%	6.0%
White	9.8%	65.5%	76.9%
Black or African American	84.7%	23.9%	14.6%
American Indian and Alaska Native	0.1%	0.7%	0.6%
Asian	1.8%	7.9%	5.9%
Native Hawaiian and Other Pacific Islander	0.0%	0.1%	0.1%
Hispanic or Latino**	2.9%	25.5%	17.4%
Two or more races	2.3%	2.0%	2.0%
High School Graduate or Higher	93.4%	86.7%	88.9%
Bachelor’s Degree or Higher	27.5%	38.0%	34.1%
Median Household Income	\$56,324	\$62,088	\$63,575
Below Poverty Level	17.7%	13.8%	12.1%

*** Hispanics can be any race, so are included in applicable race categories*

This demographic information was confirmed using the USEPA’s environmental justice tool available on their website (<https://www.epa.gov/ejscreen>). This tool identifies environmental justice communities and their associated demographics. The Village of Richton Park is in an Environmental Justice census block according to the screening tool (see Table 3).

RECREATION

The Village of Richton Park maintains numerous parks, forest preserves, nature trails, fitness centers, and a number of youth sports programs.

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE (HTRW) INVESTIGATION

A HTRW Phase I Environmental Site Assessment (ESA) has been conducted for proposed stormwater management improvements along Governors Highway in the Village of Richton Park, Illinois by Huff & Huff, Inc. The investigation was performed in accordance with Engineering Regulation (ER) No. 1165-2-132 and American Society for Testing of Materials (ASTM) E1527-13 to identify recognized environmental conditions (RECs) that may exist, or have historically existed, within the project area. The HTRW Phase I ESA revealed two offsite past or possible releases outside the project limits that may constitute a REC:

- The strip mall property adjoining to the northwest of the project site. The property was found to contain an underground storage tank (UST) associated with a waste oil spill in 1993, a No Further Remediation (NFR) letter issued by IEPA, and to have contained a 500 gallon waste oil UST removed in 1987.
- The property adjoining Governors Highway to the east of the project site. The property was found to have contained four gasoline USTs removed in the 1980s.

The past release and UST removals occurred at unknown locations on adjoining properties, and unknown management practices are associated with historic removal of the USTs. Because the known release has a status of NFR, and there is no evidence of leaks, spills, or releases during UST removals, the likelihood of impacts to the project site from these sources is considered low.

SECTION 4 ENVIRONMENTAL CONSEQUENCES

IMPACTS OF NO ACTION ALTERNATIVE

The “no action” plan would not result in no additional impacts, but the existing area would continue to flood and delay the possibility of economic development goals established by the Village.

IMPACTS OF THE PREFERRED ALTERNATIVE

The preferred alternative does not have any significant adverse environmental impacts. The preferred alternative, Alternative 4 - Upstream Stormwater Detention, was chosen due to minimized construction impacts and slightly lower costs. This alternative plan involves constructing an approximately 1.5 acre detention pond at the upstream end of the East Branch of Butterfield Creek within Village of Richton Park limits. It also involves placement of 600 LF of outlet pipe extending from the new detention basin to the East Branch of Butterfield Creek, and restoration of an approximately 900 LF reach of the East Branch of Butterfield Creek.

SECTION 122, PUBLIC LAW 91-611

Section 122 of Public Law 91-611 identified **17 potential areas** of impact (highlighted in **bold**) that are required to be considered as part of an impact analysis of proposed projects. The preferred alternative would not adversely affect **community cohesion, desirable community growth, tax revenues, property values, public services, or desirable regional growth**. No **farms, people, industry or businesses** would be displaced. Impacts of the remaining 17 potential areas follow:

Social Impacts

Project impacts on **natural resources, man-made resources, and employment** will be short term temporary impacts. Employment could increase slightly during construction, and the region's labor force should be sufficient to provide the necessary workers. There will be no significant adverse effect to **public facilities**. During construction, increased traffic congestion due to construction vehicle traffic would be localized and intermittent. The construction period is anticipated to be less than 12 months. Minor delays may occur to public bus transportation routes that operate within the vicinity of the project area. Any aesthetic degradation would be temporary. The project would have no significant adverse impact on human health or welfare or to municipal or private water supplies. Significantly reduced seepage from the old deteriorated water main will also reduce sewage backups and basement flooding in residential areas

Air Quality Impacts

The proposed action would cause temporary increases in exhaust emissions from machinery and equipment during construction. These impacts would be minimal because of emission and dust controls required by the USACE, USEPA, and local restrictions. USACE specifications (CW-04130 Construction Specifications for Environmental Protection, July 1978) are included in construction contracts to provide protection for the local environment. Regarding the Clean Air Act, construction and operation of the project would not result in significant or long-term adverse impacts to **air quality**. The project would involve only a *de minimis* discharge of airborne pollutants, and is therefore in compliance with the Clean Air Act.

Noise Impacts

The proposed action will cause temporary increases in noise from machinery and equipment during construction. These impacts will be temporary and will not result in significant or long-term adverse impacts.

Water Quality Impacts

The project would be negligible or have a minor beneficial long-term impact on water quality within the East Branch of Butterfield Creek. The purpose of a detention basin is to temporarily store stormwater runoff, thereby reducing the peak rate of runoff to the adjacent stream. The detention basin also provides the opportunity for any pollutants within the stormwater runoff a chance to settle out before the water is discharged into the adjacent stream. Therefore, given the above, there is the potential for minor long-term improvements to water quality within the adjacent East Branch of Butterfield Creek due to the implementation of the proposed project.

The preferred alternative does include the placement of fill into waters of the United States. The construction of the outlet pipe extending from the detention basin to the East Branch of Butterfield Creek includes a flared concrete apron into a portion of the stream. In addition, the area around the apron would be stabilized with riprap to reduce the potential for erosion. The restoration of the approximately 900 LF of the East Branch of Butterfield Creek would also include placement of fill. Fill material would be topsoil that would be placed along the channel banks as a growth medium for native plantings. A Section 404(b)(1) Analysis has been prepared for the proposed project and is included in Appendix 3. A Section 401 water quality certification will be obtained prior to project construction. Overall, implementation of the proposed project would comply with all applicable water quality standards.

EXECUTIVE ORDER 11988

Executive Order 11988 (Floodplain Management) - The project will not promote development in the floodplain. However, a portion of the proposed work involves work in the floodway of a watercourse which drains more than one square mile. An IDNR, Office of Water Resources floodway construction permit application has been submitted (See Appendix 1- Bill Boyd's response letter).

LAKE MICHIGAN COASTAL PROGRAM

This project is not located within the boundaries of the Lake Michigan Coastal Program (LMCP), and therefore does not require a federal consistency determination.

ENVIRONMENTAL JUSTICE

The Village of Richton Park does appear to have a disproportionate number of minority individuals or households below the poverty line in relation to the county and state. The proposed project will provide community residents with reduced flooding, and the potential for residential and commercial development not currently possible due to ongoing flooding. The Village estimates that over 3,000 new residential units and 380,000 square feet of commercial space could be constructed which would create new permanent employment opportunities and temporary construction jobs. Due to the potential economic and social benefits associated with the proposed improvements, it is reasonable to conclude that this project will not have an adverse effect on any low-income populations or minority populations in the project area. The Chicago District conducted an evaluation of potential environmental justice impacts using minority and

low income populations as criteria. This evaluation was conducted to ensure that no minority and/or low income population in the area were disproportionately affected due to activities from this project.

AQUATIC IMPACTS

Construction of the preferred alternative would have short-term impacts to aquatic communities due to excavation activities and placement of fill activities; however, these would not be significant impacts. The restoration of the 900 LF reach of the East Branch of Butterfield Creek requires excavation of unnatural substrates (i.e., riprap and broken concrete) from the channel bottom. These excavation activities would impact benthic aquatic communities in the area; however, once excavation is complete the area would be recolonized by benthic communities adjacent to the reach. In addition, excavation activities described above and placement of the flared concrete apron and riprap stabilization around the apron detention basin outlet pipe could disturb fish in the area and cause temporary turbidity impacts. To reduce turbidity impacts where in-channel work is occurring, cofferdams would be installed and flow would be pumped around the site to provide a dry work area for temporary construction activities and contain disturbed soil and/or suspended sediment. Once construction is complete, the cofferdams would be removed and the area would once again be available for use by fish. In addition, best management practices (BMPs) such as, but not limited to appropriately designed measure for controlling erosion and sediment and revegetating all bare and disturbed areas as soon as possible, will be implemented to prevent sediment from entering the nearby stream or leaving the construction site and causing turbidity problems. No long-term impacts to aquatic resources are anticipated. There may be a slight beneficial impact long-term to aquatic communities from the restoration of the 900 LF reach of the East Branch of Butterfield Creek.

Both the USFWS and IDNR were contacted during the scoping process for the proposed project. The IDNR responded via letter (April 14, 2020) that based on a review of protected resources that may be in the vicinity of the proposed action, the IDNR has concluded that adverse effects are unlikely. A response has not yet been received from the USFWS, however, upon review of the Draft EA it is anticipated that the USFWS will concur with the USACE analysis and findings with regard to potential aquatic resource impacts.

EXECUTIVE ORDER 11990 (PROTECTION OF WETLANDS)

The preferred alternative does include impacts to wetlands, but the impacts are considered negligible (See Appendix 3 for the 404 (b)(1) Analysis). Wetlands are primarily found within the floodplain of the adjacent East Branch of Butterfield Creek. Therefore, construction of the 1.5 acre detention basin will avoid wetland impacts within the vicinity of the creek by maintaining an approximately 100 foot buffer on each side of the channel where no construction activities would occur. No wetlands were identified within the approximately 900 LF reach of the East Branch of Butterfield Creek where restoration activities would occur. Any removed vegetation, such as trees, would be deposited in an upland site. The remaining activity that would impact wetlands is the placement of the approximately 21 inch outlet pipe extending approximately 600 LF from the constructed detention basin to the East Branch of Butterfield Creek. The pipe would extend through areas that are designated as freshwater shrub/forested wetlands. The placement of the outlet pipe would permanently disturb approximately 0.03 acre (1200 square feet) of freshwater shrub/forested wetlands. The design for the location of the outlet pipe did attempt to avoid wetlands to the greatest extent possible, therefore, the proposed placement location for the outlet pipe provides the least practicable impact to wetlands with only approximately 0.03 acre of wetlands permanently impacts. The proposed construction of the outlet pipe falls under Regional Permit 8 (Appendix 2). According to Regional Permit 8, impact to waters of the U.S. (i.e., wetlands) must not

exceed 1.0 acre and for projects that impact over 0.10 acres of waters of the U.S. the permittee is required to provide compensatory mitigation. The impacted acreage due to the placement of the outlet pipe is only 0.03 acre of wetlands, which is below the 0.10 acre threshold requiring compensatory mitigation. Therefore, this would be a negligible impact to freshwater shrub/forested wetlands and not require mitigation.

TERRESTRIAL IMPACTS

Construction of the preferred alternative would have no direct or indirect short-term or long-term adverse impacts to terrestrial communities. Construction of the preferred alternative occurs in an urban area next to infrastructure (e.g., Governors Highway, Sauk Trail, elevated railroad lines), therefore, only common species are anticipated to be present. The presence of construction equipment and construction activities is likely to disturb common terrestrial species and cause them to avoid the area in the short-term, however, this would be a negligible impact and the species would be expected to return to the area as soon as construction is complete. Any removed vegetation, concrete and/or riprap will be placed in an EPA approved landfill. In addition, the construction of the detention basin as part of the preferred alternative would provide additional open water habitat long-term for common bird species found in the area such as mallard, egret, and great blue heron.

Both the USFWS and IDNR were contacted during the scoping process for the proposed project. The IDNR responded via letter (April 14, 2020) that based on a review of protected resources that may be in the vicinity of the proposed action, the IDNR has concluded that adverse effects are unlikely. A response has not yet been received from the USFWS, however, upon review of the Draft EA it is anticipated that the USFWS will concur with the USACE's analysis and findings with regard to potential terrestrial resource impacts.

THREATENED AND ENDANGERED SPECIES IMPACTS

The USACE determined that the construction and operation of the proposed project would have 'no effect' directly or indirectly on the following federal-listed species since these species are not expected to be within the vicinity of the proposed project due to lack of suitable habitat: piping plover, rufa red knot, eastern massasauga, Hine's emerald dragonfly, rattlesnake-master borer moth, eastern prairie fringed orchid, leafy prairie-clover, Mead's milkweed, and prairie bush-clover. With regard to the northern long-eared bat, there is potential for suitable summer habitat to be present within the vicinity of the proposed project, although surveys for bats have not been conducted on site. As northern long-eared bats are found in Illinois, and as potential roosting trees are present in the project area, the USACE concludes that northern long-eared bats may be present. As stated in the description of the recommended plan, tree removal is part of the project, therefore, to minimize potential impacts to northern long-eared bats that may be roosting within the vicinity of the project, tree removal would not be allowed to occur between April 1 and October 31.

In addition to tree removal activities, northern long-eared bats that may be in the project area will likely be exposed to increased noise disturbance as a result of operating construction equipment. There are no known hibernacula within the project area, therefore, northern long-eared bats would not be exposed to increased noise disturbance between October and March. Between March and October, when northern long-eared bats are not hibernating and may be present, exposure to increased noise disturbance due to project activities is likely. All construction activities will occur during daylight hours when bats are roosting. The novelty of the construction noises and their relative volume levels will likely dictate the range of responses from individuals or colonies of bats that may be roosting in the project area. At low

noise levels (or farther distances), bats initially may be startled but will likely habituate to the low background noise levels. At closer range and louder noise levels, bats will probably be startled to the point of fleeing from their day-time roosts. Because the noise levels in the construction area would continue for more than a single day, the bats roosting within or close to these areas are likely to shift their focal roosting areas further away or may temporarily abandon these roosting areas completely. It is important to note, that while construction noise could cause northern long-eared bats that may be roosting in the area to abandon their roosting site, northern long-eared bats are known to switch roost trees frequently (i.e., about every 2 days) over the course of the summer (Foster and Kurta 1999, WDNR 2017). In addition, although a different species, the Indiana bat was found to use roosts near the Interstate-70/Indianapolis International Airport area, including a primary maternity roost. This primary maternity roost was not abandoned despite constant noise from the Interstate and airport runways (Sparks et al. 2005; Whitaker, Jr. and Sparks 2008). Therefore, it is possible that northern long-eared bats, if roosting within the project area, will habituate to the construction noise and not abandon their roost sites. Lastly, it is important to note that the construction activities would likely only occur for one summer. Once construction is complete, noise levels would return to what they were pre-project and the operation of the proposed project would not generate any increase in ambient noise levels long-term. Based on the above analysis for the northern long-eared bat, USACE determined that the proposed project ‘may affect, but is not likely to adversely affect’ the northern long-eared bat.

In summary, the USACE determined that the construction and operation of the proposed project would have ‘no effect’ directly or indirectly on the following federal-listed species since these species are not expected to be within the vicinity of the proposed project due to lack of suitable habitat: piping plover, rufa red knot, eastern massasauga, Hine’s emerald dragonfly, rattlesnake-master borer moth, eastern prairie fringed orchid, leafy prairie-clover, Mead’s milkweed, and prairie bush-clover. With regard to the northern long-eared bat, the USACE determined that the proposed project ‘may affect, but is not likely to adversely affect’ the species.

The USACE is requesting concurrence from the USFWS that the proposed project is *not likely to adversely affect* northern long-eared bat, upon review of this Draft EA during the public review period.

With regard to state listed species, the IDNR provided a response during the scoping period (letter dated April 14, 2020) in which the Department concluded that adverse effects are unlikely. The IDNR did recommend that if tree clearing is necessary as part of the proposed project, it should occur between November 1 and March 31. This recommendation will be implemented during project construction and tree clearing will not be allowed to occur April 1 through October 21. As such, the letter stated that consultation under 17 Ill. Adm. Code Part 1075 is terminated.

ARCHAEOLOGICAL AND HISTORIC IMPACTS

The preferred alternative would have no direct or indirect effect on archaeological or historical properties. As stated in Section 3 Archaeological and Historic Properties, there are no known archaeological or historical properties located within the APE. This is based on a search of the NRHP and a scoping response provided by the SHPO (April 15, 2020) in which the SHPO stated, “based upon the information provided, no historic properties are affected. We [the SHPO], therefore, have no objection to the undertaking proceeding as planned.” Overall, due to no properties where construction is occurring being listed or eligible for listing on the NRHP, and comments from the Illinois SHPO during the scoping, the USACE has made the determination the project would have “no potential effect on historic properties.” The analysis presented in this section provides documentation of USACE’s finding as set forth in 36 C.F.R. § 800.11 to the Illinois SHPO. This EA and the USACE’s determination would be made available for public inspection and all consulting parties would be notified of the EA’s availability.

In addition, the Nottawaseppi Huron Band of the Potawatomi, a Federally Recognized Tribe, provided a letter of no objection to the proposed project, dated April 13, 2020. However, they have requested to be contacted should archaeological resources be uncovered during the project. Other Native American groups having an interest in northeastern Illinois were consulted (see Correspondence section for full listing).

HAZARDOUS, TOXIC AND RADIOACTIVE WASTE (HTRW) INVESTIGATION

In accordance with ER 1165-2-132, Hazardous Toxic, and Radioactive Waste for USACE Civil Works projects, construction of civil works projects in HTRW contaminated areas should be avoided where practicable. Where HTRW contaminated areas or impacts cannot be avoided, response actions must be acceptable to the EPA and applicable state regulatory agencies. Excess soil management and/or disposal and treatment, discharge, and/or disposal of groundwater encountered during construction will be conducted in accordance with Federal, State, and local laws and regulations. All HTRW response actions, including off-site disposal of materials containing CERCLA regulated substances and groundwater pretreatment, if required, is 100% non-Federal project sponsor expense.

A HTRW Phase I Environmental Site Assessment (ESA) has been conducted to identify recognized environmental conditions (RECs) that may exist, or have historically existed, within the project area. A past release and potential releases of petroleum products from underground storage tanks (USTs) on adjoining properties may be considered RECs, due to unknown location of USTs in relation to the project site and unknown practices associated with historic removal of USTs. However the likelihood of impacts to the project site is relatively low since the known release has an NFR status and there is no evidence of leaks, spills, or releases during UST removals. Because excavation in the detention basin is not expected to extend to groundwater, and work in the channel should be limited to maintenance, bank stabilization, and/or aquatic restoration, the likelihood of encountering HTRW in groundwater, if present, during project implementation is low. If HTRW is encountered during construction and avoidance is not practical, the appropriate response action will be coordinated between the appropriate regulatory agency, local sponsor, and design engineer to ensure all appropriate regulatory requirements are included in the construction contract such that the project will not cause the release of HTRW to the environment. Because the known release has a status of NFR, and there is no evidence of leaks, spills, or releases during UST removals, the likelihood of impacts to the project site from these sources is considered low.

CUMULATIVE EFFECTS ASSESSMENT OF CUMULATIVE EFFECTS

Consideration of cumulative effects requires a broader perspective than examining just the direct and indirect effects of a proposed action. It requires that reasonably foreseeable future impacts be assessed in the context of the past and present effects to important resources. Often it requires consideration of a larger geographic area than just the immediate “project” area. One of the most important aspects of cumulative effects assessment is that it requires consideration of how actions by others (including those actions completely unrelated to the proposed action) have and will affect the same resources. When assessing cumulative effects, the key determinate of importance or significance is whether the incremental effects of the proposed action will alter the sustainability of resources when added to other present and reasonably foreseeable future actions.

Cumulative environmental effects for the proposed infrastructure project were assessed in accordance with guidance provided by the President’s Council on Environmental Quality (USEPA, EPA 315-R-99-002, May 1999). This guidance provides an eleven-step process for identifying and evaluating cumulative effects in NEPA analysis.

The overall cumulative impact of the project is considered to be beneficial environmentally, socially, and economically.

Cumulative Effects Scoping

The cumulative effects issues and assessment goals are established in this environmental assessment, the spatial and temporal boundaries are determined, and reasonably foreseeable future actions are identified. Cumulative effects are assessed to determine if the sustainability of any of the resources are adversely affected with the goal of determining the incremental impact to key resources that would occur should the proposal be permitted. The spatial boundary for the assessment encompasses the Village of Park Forest and the associated facilities and surrounding streets served by the infrastructures to be improved. The temporal boundaries are:

1. Past-1834, when settlement and development of the area began.
2. Present-2020, when the selection plan was being developed.
3. Future-2070, the year used for determining project life end.

Projecting reasonably foreseeable future actions is difficult at best. Clearly, the proposed action is reasonably foreseeable, however, the actions by others that may affect the same resources are not as clear. Projections of those actions must rely on judgment as to what are reasonable based on existing trends and where available, projections from qualified sources. Reasonably foreseeable does not include unfounded or speculative projections. In this case, reasonably foreseeable future actions include:

1. Increased growth in population and a need for storm water conveyance.
2. Increased new residential units and 380,000 square feet of commercial space could be constructed which would create new permanent employment opportunities and temporary construction jobs.
3. Continued application of environmental requirements such as the Clean Water Act.

Cumulative Effects on Geology and Soils

The topography and soils of the area were affected by filling, excavations, construction, and the burial of

utilities. The proposed project would not alter soil chemistry. The proposed project would have no cumulative adverse effects on geology and soils.

Cumulative Effects on Water Quality and Aquatic Communities

The preferred alternative would have no cumulative adverse effects on water quality or aquatic communities.

Cumulative Effect of Terrestrial Resources

Relatively small modifications for this proposed project would have no long-term adverse or cumulative effects to terrestrial resources, plants or animals.

Cumulative Effects on Air Quality

The preferred alternative would have no long term cumulative effect on Air Quality. A small, short term impact to air quality will result from construction activity.

Cumulative Effects on Land Use

The preferred alternative would have no adverse cumulative effect on land use.

Cumulative Effects on Aesthetic Values

The preferred alternative would have no long-term adverse cumulative effects on the visual setting of the project area.

Cumulative effects on Public Facilities

The preferred alternative would have no long-term adverse cumulative effects on public facilities.

Cumulative effects on Cultural Resources

The preferred alternative would have no adverse cumulative effects on cultural resources.

Cumulative Effects Summary

Along with direct and indirect effects, cumulative effects of the proposed project were assessed following the guidance provided by the Presidents' Council on Environmental Quality (Table 4). There were numerous effects to resources from past and present actions, and reasonably foreseeable future actions can also be expected to produce both beneficial and adverse effects. The effects of the proposed project are relatively minor.

Table 4: Environmental Impact Summary

	Insignificant effects	Insignificant effects as a result of mitigations	Resource unaffected by action	Positive Effects
Aesthetics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aquatic resources/wetlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Invasive species	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fish and wildlife habitat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Threatened/Endangered species/critical habitat	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Historic properties	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other cultural resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floodplains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Hazardous, toxic & radioactive waste	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydrology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Land use	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Navigation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Noise levels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public infrastructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Socio-economics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Environmental justice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tribal trust resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Climate change	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SECTION 5 COORDINATION

During preparation of this environmental assessment numerous Federal and state agencies and others were consulted including the USFWS, IDNR, IEPA, and the SHPO. Copies of the respondents' letters are attached in the Correspondence Section of this assessment (Appendix 1).

The public has been notified of the preparation of the EA via postings on the district's webpage and social media(s), local stakeholders informing them, and through their local library branch. The initial and final drafts of this environmental assessment were made available on the Chicago District's project webpage (<https://www.lrc.usace.army.mil/Missions/Civil-Works-Projects/>) for access by the general public.

Responses to USACE Scoping Letter April 13, 2020

The following agencies, groups, and individuals received a copy of this environmental assessment:

SECTION 6 REFERENCES

- Foster, R., and A. Kurta. 1999. Roosting ecology of the northern bat (*Myotis septentrionalis*) and comparisons with the endangered Indiana bat (*Myotis sodalis*). *Journal of Mammalogy* 80:659-672.
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- NatureServe. 2019. Explorer: *Calidris canutus rufa* (Red Knot). Accessed at: <http://explorer.natureserve.org/servlet/NatureServe?searchName=Calidris+canutus+rufa>
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- Sparks, D., C. Ritzi, J. Duchamp, and J. Whitaker, jr. 2005. Foraging habitat of the Indiana bat (*Myotis sodalis*) at an urban-rural interface. *Journal of Mammalogy* 86(4):713-718. DOI: 10.1644/1545-1542(2005)086[0713:FHOTIB]2.0.CO;2
- USFWS. 2015. Midwest Region Endangered Species: Northern Long-Eared Bat (*Myotis septentrionalis*). Accessed at: <https://www.fws.gov/midwest/endangered/mammals/nleb/nlebfactsheet.html>
- USFWS. 2009. Midwest Region Endangered Species: Prairie Bush Clover (*Lespedeza leptostachya*). Accessed at: <https://www.fws.gov/midwest/endangered/plants/prairiebushclover/prairieb.html>
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- USFWS. 2005a. Midwest Region Endangered Species: Eastern Prairie Fringed Orchid (*Platanthera leucophaea*). Accessed at: <https://www.fws.gov/midwest/endangered/plants/epfo/epfo.html>
- USFWS. 2005b. Midwest Region Endangered Species: Mead's Milkweed (*Asclepias meadii*). Accessed at: <https://www.fws.gov/midwest/endangered/plants/meads/meadsmil.html>
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- USFWS. 1997. Midwest Region Endangered Species: Leafy Prairie-clover (*Dalea foliosa*). Accessed at: <https://www.fws.gov/midwest/endangered/plants/leafypra.html>
- Whitaker, Jr., J.O. and D.W. Sparks. 2008. Roosts of Indiana bats (*Myotis sodalis*) near the Indianapolis International Airport, 1997-2001. *Proceedings of the Indiana Academy of Science* 117:193-202.
- Wisconsin Department of Natural Resources [WDNR]. 2017. Northern Long-Eared Bat (*Myotis septentrionalis*) Species Guidance. Available at: <https://dnr.wi.gov/files/PDF/pubs/er/ER0700.pdf>

Northeastern Illinois Planning Commission. 2005. 175pp. Thorn Creek Watershed Based Plan. Available at: <http://www.epa.state.il.us/water/tmdl/implementation/thorn-creek/thorn-creek-watershed-based-plan.pdf>

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APPENDIX 1
CORRESPONDENCE



**DEPARTMENT OF THE ARMY
CHICAGO DISTRICT, U.S. ARMY CORPS OF ENGINEERS
231 SOUTH LA SALLE STREET, SUITE 1500
CHICAGO IL 60604**

April 13, 2020

Planning Branch
Planning, Programs and Project Management

Dear Recipient:

The U.S. Army Corps of Engineers, Chicago District (Corps) will be preparing a National Environmental Policy Act (NEPA) document on the impacts associated with proposed stormwater improvements in Richton Park, Illinois. The proposed project would address flooding along a portion of the Butterfield Creek East Branch that affects Governors Highway and neighboring properties. The proposed project area extends along the west side of Governor's Highway adjacent to Butterfield Creek (Enclosure 1).

The proposed project may include the following measures:

1. Excavation of the regional detention pond to increase stormwater storage capacity
2. Improvements to storm sewers and outlet structures
3. Channel improvements

As part of the NEPA scoping process, the Chicago District would appreciate any issues or concerns you may have on potential impacts to the environment from this proposed project. This could include impacts to various habitats, threatened and endangered species, or cultural and social resources. After receiving the scoping input and conducting its impact assessment, the Corps will release a draft NEPA document for a formal public review. Enclosure 2 is a list of State and Federal Agencies, Congressional Members, and Tribal Nations receiving this request.

In light of the COVID-19 shelter-in-place orders in the State of Illinois, USACE is asking that comments be submitted electronically by May 13, 2020 to Dr. Akilah Martin, U.S. Army Corps of Engineers, at akilah.r.martin@usace.army.mil. Questions should be directed to Dr. Martin at (312) 846-5359.

Sincerely,

Enclosures
1 – Project Map– Distribution List

Susanne J. Davis, P.E.
Chief of Planning Branch

Dr. Akilah Martin,

My name is Bill Boyd. I work for the Illinois Department of Natural Resources, Office of Water Resources, Regulatory Programs Section in Bartlett. This email is in response to an April 13, 2020 letter from Sue Davis of the Corps.

A portion of the proposed work involves work in the floodway of a watercourse which drains more than one square mile. An IDNR, OWR floodway construction permit is required. I suggest that the Village of Richton Park be the applicant. Please have the Village submit an application at their earliest convenience. Applications can be found on our website at:
Blocked<https://www2.illinois.gov/dnr/WaterResources/Pages/PermitApplicationandInstructions.aspx>
<Blocked<https://www2.illinois.gov/dnr/WaterResources/Pages/PermitApplicationandInstructions.aspx>> .
In order for us to recommend issuance of a permit compliance with the Department's Part 3708 Rules must be demonstrated.

Thank you for the opportunity to comment.

Bill Boyd

William T. Boyd, P.E.

Acting Chief, Northeastern Illinois Regulatory Programs Section

Illinois Department of Natural Resources, Office of Water Resources

2050 West Stearns Road

Bartlett, Illinois 60103

847-608-3116

4/13/2020

Greetings,

Ref: Storm water improvements in Richton Park, Illinois

Thank you for including the Nottawaseppi Huron Band of the Potawatomi in your consultation process. From the description of your proposed project, it appears that this project is outside of the Tribes Historical area of interest. It does not appear as if any cultural or religious concerns of the Tribe's will be affected. We therefore have no objection to the project.

Very Respectfully

Douglas R. Taylor

Douglas R. Taylor | Tribal Historic Preservation Officer (THPO)

Pine Creek Indian Reservation

1301 T Drive S, Fulton, MI 49052

o: 269-704-8347 | c: 269-419-9434 | f: 269-729-5920

Douglas.Taylor@nhbp-nsn.gov | Blockedwww.nhbpi.com



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

JB Pritzker, Governor
Colleen Callahan, Director

April 14, 2020

Susanne J Davis
Chicago District
USACE
231 S. LaSalle Street, Suite 1500
Chicago, IL 60604

RE: Stormwater Improvements in Richton Park, Illinois
Project Number(s): 2008463
County: Cook

Dear Applicant:

This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 is terminated.

However, if tree clearing is necessary, the Department recommends removing trees between November 1st and March 31st to avoid impacts to the state-and federally-listed bats. If erosion control blanket is to be used, the Department also recommends that wildlife-friendly plastic-free blanket be used to prevent the entanglement of native wildlife.

This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

Bradley Hayes
Division of Ecosystems and Environment 217-785-5500



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

JB Pritzker, Governor
Colleen Callahan, Director

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

Cook County
Richton Park
Butterfield Creek East Branch / Governors Highway
COEC
Stormwater/flood prevention improvements

PLEASE REFER TO: SHPO LOG #003041420

April 15, 2020

Susanne Davis
U.S. Army Corps of Engineers, Chicago District
231 S. LaSalle St., Suite 1500
Chicago, IL 60604

Dear Ms. Davis:

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



Miami Tribe of Oklahoma

3410 P St. NW, Miami, OK 74354 • P.O. Box 1326, Miami, OK 74355
Ph: (918) 541-1300 • Fax: (918) 542-7260
www.miamination.com



Via email: akilah.r.martin@usace.army.mil

April 23, 2020

U.S. Army Corps of Engineers, Chicago District
Attn: Dr. Akilah Martin
231 South LaSalle Street, Suite 1500
Chicago, Illinois 60604-1437

Re: Richton Park Stormwater Improvements – Comments of the Miami Tribe of Oklahoma

Dear Dr. Martin:

Aya, kikwehsitoole – I show you respect. My name is Diane Hunter, and I am the Tribal Historic Preservation Officer for the Federally Recognized Miami Tribe of Oklahoma. In this capacity, I am the Miami Tribe's point of contact for all Section 106 issues.

The Miami Tribe offers no objection to the above-referenced project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site. However, as this project is within the aboriginal homelands of the Miami Tribe, if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. In such a case, please contact me at 918-541-8966 or by email at dhunter@miamination.com to initiate consultation.

The Miami Tribe accepts the invitation to serve as a consulting party to the proposed project. In my capacity as Tribal Historic Preservation Officer I am the point of contact for consultation.

Respectfully,

Diane Hunter

Diane Hunter
Tribal Historic Preservation Officer



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Chicago Ecological Service Field Office



U.S. Fish and Wildlife Service Chicago Ecological Services Office 230
South Dearborn St., Suite 2938

Chicago, IL 60604-1507

Phone: (312) 485-9337 Fax:

<http://www.fws.gov/midwest/endangered/section7/s7process/7a2process.html>

In Reply Refer To:

Consultation Code: 03E13000-2020-SLI-0553 Event

Code: 03E13000-2020-E-01360

Project Name: Richton Park Section 219 Stormwater Improvement Project

May 21, 2020

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The attached species list identifies any federally threatened, endangered, proposed and candidate species that may occur within the boundary of your proposed project or may be affected by your proposed project. The list also includes designated critical habitat if present within your proposed project area or affected by your project. This list is provided to you as the initial step of the consultation process required under section 7(c) of the Endangered Species Act, also referred to as Section 7 Consultation.

Please note! For all **wind energy projects** and **projects that include installing towers that use guy wires or are over 200 feet in height**, please contact this field office directly for assistance, even if no federally listed plants, animals or critical habitat are present within your proposed project or may be affected by your proposed project.

For all other projects, continue the Section 7 Consultation process by going to our Section 7 Technical Assistance website at <http://www.fws.gov/midwest/endangered/section7/s7process/index.html>. If you are familiar with this website, you may want to go to Step 2 of the Section 7 Consultation process at <http://www.fws.gov/midwest/endangered/section7/s7process/step2.html>.

Under 50 CFR 402.12(e) (the regulations that implement Section 7 of the Endangered Species Act) the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally. You may verify the list by visiting the ECOS-IPaC website <http://ecos.fws.gov/ipac/> at regular intervals during project planning and implementation and

completing the same process you used to receive the attached list. As an alternative, you may contact this Ecological Services Field Office for updates.

Although no longer protected under the Endangered Species Act, be aware that bald eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), as are golden eagles. Projects affecting these species may require measures to avoid harming eagles or may require a permit. If your project is near an eagle nest or winter roost area, see our Eagle Permits website at <http://www.fws.gov/midwest/midwestbird/EaglePermits/index.html> to help you determine if you can avoid impacting eagles or if a permit may be necessary.

We appreciate your concern for threatened and endangered species. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Chicago Ecological Service Field Office

U.S. Fish And Wildlife Service Chicago Ecological Services Office 230
South Dearborn St., Suite 2938
Chicago, IL 60604-1507
(312) 485-9337

Project Summary

Consultation Code: 03E13000-2020-SLI-0553

Event Code: 03E13000-2020-E-01360

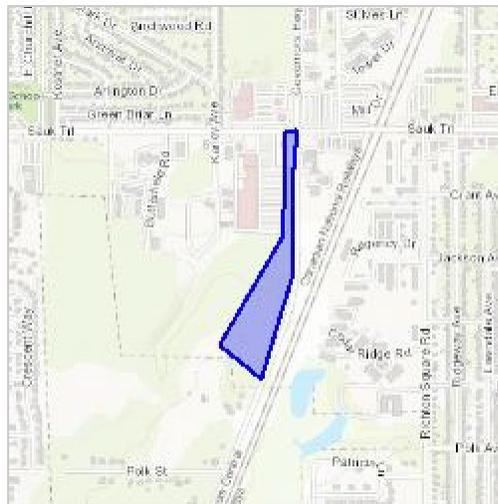
Project Name: Richton Park Section 219 Stormwater Improvement Project

Project Type: ** OTHER **

Project Description: The project area is located at the crossroad of Governor's Highway and Sauk Trail. The purpose of the project is to improve stormwater infrastructure in Richton Park.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/41.48074984366197N87.71346528753043W>



Counties: Cook, IL

Endangered Species Act Species

There is a total of 10 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 1 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Birds

NAME	STATUS
Piping Plover <i>Charadrius melodus</i> Population: [Great Lakes watershed DPS] - Great Lakes, watershed in States of IL, IN, MI, MN, NY, OH, PA, and WI and Canada (Ont.) There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Endangered
Red Knot <i>Calidris canutus rufa</i>	No critical habitat has been

designated for this species. Species profile:
<https://ecos.fws.gov/ecp/species/1864>

Threatened

Reptiles

NAME	STATUS
Eastern Massasauga (=rattlesnake) <i>Sistrurus catenatus</i>	Threatened
<p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2202</p>	

Insects

NAME	STATUS
Hine's Emerald Dragonfly <i>Somatochlora hineana</i>	Endangered
<p>There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7877</p>	
Rattlesnake-master Borer Moth <i>Papaipema eryngii</i>	Candidate
<p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7863</p>	

Flowering Plants

NAME	STATUS
Eastern Prairie Fringed Orchid <i>Platanthera leucophaea</i>	Threatened
<p>No critical habitat has been designated for this species.</p> <p>This species only needs to be considered under the following conditions:</p> <ul style="list-style-type: none"> Follow the guidance provided at https://www.fws.gov/midwest/endangered/section7/s7process/plants/epfos7guide.html <p>Species profile: https://ecos.fws.gov/ecp/species/601 Species survey guidelines: https://ecos.fws.gov/ipac/guideline/survey/population/984/office/31131.pdf</p>	

Leafy Prairie-clover *Dalea foliosa*

Endangered

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/5498>

Mead's Milkweed *Asclepias meadii*

Threatened

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/8204>

Prairie Bush-clover *Lespedeza leptostachya*

Threatened

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/4458>

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

APPENDIX 2
Project Map



Legend

- Detention Connection
- Butterfield Creek
- 2020 Detention Pond
- Detention Basin
- Cook Co Parcels
- M Manhole

1 inch = 250 feet



Richton Park
 Town Center - Butterfield Creek
 Stormwater Improvement Project

For Official Use Only
 June 2020



APPENDIX 3
SECTION 404(b)(1) Analysis

**VILLAGE OF RICHTON PARK STORMWATER IMPROVEMENT PROJECT,
COOK COUNTY, ILLINOIS**

**Environmental Assessment Appendix 3
Section 404(b)(1) Analysis**



U.S. Army Corps of Engineers
Chicago District

June 2020

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SECTION 404(b)(1) EVALUATION

I. Project Description

A. Locations

The project area is within the Village of Richton Park, Cook County, Illinois. The proposed improvements will take place in the Village of Richton Park on the west side of Governors Highway south of Sauk Trail. The proposed project lies between Governors Highway, an Illinois State Highway, and Governors Plaza, a privately owned retail center commonly known as 22300-22356 Governors Highway (Figure 1).

Material removed from the project site will be disposed of at an EPA approved landfill location determined by the contractor.



Figure 6: Project Area.

B. General Description

The Butterfield Creek East Branch has a drainage area of approximately 960 acres (1.5 square miles) upstream of Sauk Trail and generally flows from south to north toward Sauk Trail where a 114 inch x 69 inch arch pipe culvert conveys flow under the Sauk Trail and Governors Highway intersection before discharging into a channel north of Sauk Trail and west of Governors Highway. The arch pipe culvert and downstream channel are undersized and during significant storm events the channel south of Sauk Trail overtops resulting in flooding at the intersection of Governors Highway and Sauk Trail closing the roadways to traffic and threatening adjoining properties.

The improvement plan includes approximately 900 linear feet of improvements to the channel south of Sauk Trail, a regional detention basin and outlet control pipe to ultimately impound 100 acre-feet of stormwater. Once completely built-out the plan will minimize flooding at the Sauk Trail and Governors Highway intersection during the 1% storm event.

The existing channel parallels Governors Highway as a roadside drainage ditch in an outlot parcel between the highway right-of-way and the retail center. The channel was a manmade realignment of the natural drainage way and includes two concrete box culvert bridges for driveway access to the retail center. The stream bank along the highway is protected with a steel plate guardrail at the top of the bank and both slopes are armored with crushed rock (rip rap). At the south limit of the retail center, a concrete channel was constructed to turn the stream from east to north to parallel the highway. This turn location has suffered from significant erosion and has historically undermined the steel plate guardrail. The proposed detention basin outlet pipe will discharge into the drainageway in this location.

C. Authority and Purpose

The study was authorized under Section 219 of the Water Resources Development Act of 1992, as amended by Section 504 of the Water Resources Development Act of 1996, Section 502 of the Water Resources Development Act of 1999, Section 108 of the Consolidated Appropriations Act of 2001, Section 145 of the Energy and Water Appropriations Act of 2004, and Sections 5075 and 5158 of the Water Resources Development Act of 2007, these amended authorities allow the Army Corps of Engineers to provide planning, design and construction assistance for water-related environmental infrastructure projects.

The purpose of this project is to maintain conveyance and create detention volume to reduce flooding of the intersection of Sauk Trail and Governors Highway. The existing condition represents a hazard to regional transportation and local area residents in terms of public health and in terms of flood damage to both public and personal property. This project will create detention upstream of the flood prone area to reduce the impact of flooding within the community and region.

D. General Description of Fill Material

(1) General Characteristics of Material

The existing channel will be maintained by excavating and removing accumulated sediments along the invert to restore a consistent profile from upstream to downstream. Unstable slope areas will be restabilized with compactable material and armored with crushed rock. Unstable concrete slope walls

associated with the driveway culverts and drainage pipes discharging into the channel will be removed and replaced in kind to eliminate safety hazards and restore their function. Upon completion of the detention basin outlet pipe the discharge location will be armored with crushed rock to provide energy dissipation for water discharging from the pipe.

Excess material will be disposed of offsite at a location chosen by the Contractor and in accordance with USACE regulations. Fill material consists of:

Table 5: Butterfield Creek East Branch Fill Materials and Quantities

Fill Item	Quantity	Unit
Compactable Clay	20	CY
Concrete Slope Wall	20	CY
Crushed Rock Aggregate	50	CY

(2) Quantity of Material

See Table 1 above.

(3) Source of Material

Compactable clay will be repurposed from material excavated from the detention basin construction on the parcel south of the retail center. Crushed rock aggregate (riprap) and concrete will be sourced from commercial suppliers in the region. All fill materials regardless of the source will be clean and inert materials and are not expected to be a major source of contamination for the water within the channel where they are being placed.

E. Description of the Proposed Discharge Site(s)

(1) Location

The location of the proposed placement site commences at an existing 114 inch by 69 inch arch pipe on the west side of Governors Highway south of Sauk Trail. From this location the improvement will continue south and upstream approximately 870 feet to the location where the channel makes a turn to the west. From the turn the improvement will continue west and upstream approximately 100 feet. The stream will not be straightened.

(2) Size

The current channel has a trapezoidal cross section with a variable 4-8 foot wide invert. Side slopes are approximately 3:1 sloped to the top of the bank.

(3) Type of Site

The channel where the fill would be placed is a manmade realignment of the natural drainage way.

(4) Type of Habitat

The majority of the channel is lined with crushed rock aggregate. At the south end of the channel reach, including the turn to the west, the channel is contained in a manmade cast-in-place concrete trapezoid section. Erosion, woody growth, and debris restrictions are found in this area.

(5) Timing and Duration of Discharge

The channel improvements are expected to begin in March 2021 and be completed in approximately 6 months. Any tree removal would occur during the winter months to avoid impacts to the threatened northern long eared bat.

F. Description of Placement Method

Excavators, end loaders, dump trucks, and handwork would be the primary means of excavating, contouring, and placing materials. All equipment would be land based and excavation, contouring, and placement of fill material would be done in the dry. Temporary cofferdams would be placed to block off the channel and allow for work to be done in the dry. Excavated soil and sediment that would be disposed of would be placed upland for staging and dewatering or would be placed directly into trucks for hauling to the disposal site. No sediment or untreated return water would be placed in the channel.

II. Factual Determinations

a. Physical Substrate Determinations

(2) Substrate Elevation and Slope

The existing channel elevations are between 700 and 705 NAVD 1988. The running slope of the channel averages approximately 0.6%. The armored channel side slopes are approximately 30%.

(3) Sediment Type

The soils within the project area are summarized in Table 2 and Figure 2 below.

Table 6: Project Area Soil Types

Soil Type	Soil Characteristics	Depth to Water Table
Ashkum silty clay loam (Figure ID: 232A)	Silty clay loam derived from clayey colluvium over till. Found on ground moraines and end moraines. Considered a hydric soil.	0 to 12 inches
Beecher silt loam (Figure ID: 298A)	Silt loam derived from thin mantle of loess or other silty material and in the underlying till. Found on ground moraines and end moraines. Not considered a hydric soil.	6 to 24 inches
Frankfort silt loam (Figure ID: 320A)	Silt loam derived from thin mantle of loess or other silty	6 to 24 inches

	material and in the underlying till. Found on ground moraines and end moraines. Not considered a hydric soil.	
Markham silt loam <i>(Figure ID: 531C2)</i>	Silt loam derived from loess over silty clay loam till. Found on ground moraines and end moraines. Not considered a hydric soil.	24 to 42 inches
Orthents, undulating, stony <i>(Figure ID: 535B)</i>	Parent material is dredge spoils, Found on terraces. Not considered a hydric soil.	48 to 72 inches



Figure 7: NRCS Soil Survey Map of the Project Area.

(4) Fill Material Movement

Fill material will be appropriately sized and is not expected to move substantially once placed.

(5) Physical Effects on Benthos

A portion of the existing benthic habitat and benthological community within the channel where sediment is to be excavated and fill is to be placed would be disturbed during construction activities. This is a small portion of the existing benthic habitat and community within the entire East Branch of Butterfield Creek and is not expected to cause a substantial loss of benthic organisms or habitat.

(6) Other Effects

The construction of the project could cause temporary water quality impacts if best management practices, including erosion control and stormwater pollution prevention practices, are not followed. Any environmental impacts caused by the short-term increases in suspended solids due to the construction activities are anticipated to be temporary and minimal; the use of best management practices as a proactive approach is recommended.

(7) Actions Taken to Minimize Impacts

Construction of the project will use best management practices to prevent material spills or uncontrolled discharges into the channel, and to control erosion and stormwater run-off. Upland work areas will be subject to erosion control and will be permanently stabilized when work is completed. The in-channel work area will be isolated with temporary coffer dams using bypass pumping to convey flows around the work area and minimize erosion and mixing of sediments and water. Excess soil and sediment disposal will occur upland with return water treatment and/or controls to prevent the release of anthropogenic compounds to the channel.

b. Water Circulation, Fluctuation and Salinity Determinations

(1) Water

(a) Salinity

Not applicable as the proposed project occurs within a fresh water resource.

(b) Water Chemistry

Fill material would be a combination of compactable clay repurposed from excavation (i.e., material that is already present in the project area) and/or new, clean, inert materials such as concrete and crushed rock aggregate. Short-term effects on the water quality are anticipated because of temporary increases in the

concentration of suspended solids and turbidity following the excavation and placement of fill material. The temporary increase of suspended solids is expected to cause short-term decreases in water clarity and minor changes to the color of the water, particularly if erosion controls are not used. The long term water chemistry of the channel would not be impacted by the implementation of the proposed project.

(c) Clarity

As discussed above, the fill materials are not expected to be a source of contamination, and excavated material will be either repurposed or placed upland with no direct return of untreated water. Due to the small nature of the proposed project, only temporary minor losses in water clarity may be experienced within the channel due to excavation and placement of fill material. The loss in clarity is expected to be temporary lasting only the duration of construction activities occurring within the channel.

(d) Color

The proposed project is not anticipated to cause any considerable long-term effects or changes to the water color within the channel, but a temporary increase of suspended solids during excavation and placement of fill material could cause short-term and minor changes to the color of the water.

(e) Odor

The proposed project is not anticipated to cause any considerable long-term effects on, or changes to, the odor of the water within the East Branch of Butterfield Creek. The upland placement of the excavated material could cause temporary upland odor impacts in the immediate environs of a sediment staging or dewatering operation, due to the anaerobic nature of most sediment. These odors would dissipate over a relatively short time as the sediment dries and is hauled to the disposal site.

(f) Taste

The proposed project is not anticipated to cause any long-term effects on, or changes to, the taste of the water. Water in the East Branch of Butterfield Creek is not used as a drinking water source.

(g) Dissolved Gas Levels

The proposed project is not anticipated to alter dissolved gas levels in the East Branch of Butterfield Creek.

(h) Nutrients

The proposed project would not change the runoff area or sources of nutrients in stormwater runoff entering the East Branch of Butterfield Creek. Therefore, the proposed project would have no significant impacts to nutrient levels within the channel.

(i) Eutrophication

Eutrophication is typically caused by excessive nutrient levels. As discussed above, the proposed project is not expected to have any impact to nutrient levels within the channel. Therefore, the proposed project is not expected to impact eutrophication in the East Branch of Butterfield Creek.

(j) Other

No other impacts were identified.

(2) Current Patterns and Circulation, Current Flow and Water Circulation

(a) Current Patterns and Flow

The drainage pattern of the channel is generally northward toward the main stem of Butterfield Creek. Flow within the channel would be temporarily impacted during excavation and fill material placement. During these activities, temporary cofferdams would be placed to block off the channel and allow for work in the dry. Flow would be directed around the construction site using bypass pumping. Once construction is complete, flows would once again continue through the channel reach.

(b) Velocity

The velocity of water in the channel varies. Storm events likely cause the velocities within the channel to increase over baseline conditions. The implementation of the proposed project is not expected to substantially change baseline velocities within the channel.

(c) Stratification

The channel is not thermally stratified as the generally shallow water depths do not allow for stratification. Therefore this variable is not applicable to the project area.

(d) Hydrologic Regime

The hydrology of the area is dictated by the surrounding urban watershed containing impervious surfaces and stormwater runoff. No affects to the hydrologic regime are expected with the

implementation of the proposed project. There would be no change induced to the water surface profile, flood profiles, or groundwater. This project primarily targets in-channel hydraulics to improve channel flow.

(3) Normal Water Level Fluctuations

Water level fluctuations in the area are influenced by precipitation, evapotranspiration, and urban runoff. The proposed project would not alter normal water level fluctuations; therefore, no impacts are expected.

(4) Salinity Gradients

Not applicable to freshwater environments.

(5) Actions That Will Be Taken to Minimize Impacts

The proposed project is not anticipated to result in any long-term effects on, or changes to, the water quality, current patterns or flow, water circulation, or the normal water level fluctuation of the channel. Temporary construction impacts, such as turbidity increases, are possible. Proactive erosion control and stormwater pollution prevention practices would be used to limit any temporary impacts. In addition, water conveyance will be maintained using temporary bypass pumping operations during in-channel construction activities.

A. Suspended Particulate/Turbidity Determinations

(1) Expected Changes in Suspended Particulates and Turbidity Levels in Vicinity of Placement Site

There would be minor increases in suspended particulates and turbidity levels in the immediate area of the proposed fill activity during construction. Plumes of suspended particles may be visible and aesthetically displeasing until the particles gradually settle and the plumes dissipate.

(2) Effects (degree and duration) on Chemical and Physical Properties of the Water Column

(a) Light Penetration

During excavation and placement of fill materials, the proposed project could cause minor, temporary, and localized increases of suspended solids that in turn could cause a temporary decrease in the clarity of the water and reduce the penetration of light through the water column. If the penetration of light is reduced for an extended period of time, it can lower the rate of photosynthesis and “primary productivity” of an aquatic area. Primary productivity generally refers to the function of solar energy by green plants (i.e., autotrophs) in a terrestrial ecosystem, or phytoplankton for an aquatic ecosystem. Persistently high turbidity can cause adverse impacts to sight-dependent species because the reduced clarity can hinder the feeding ability of these species, and thereby limit their growth and increase the susceptibility to disease.

In regards to elevated suspended solid concentrations, it explains the following in 40 CFR 230.21:

“The extent and persistence of these adverse impacts caused by discharges depend upon the relative increase in suspended particulates above the amount occurring naturally, the duration of the higher levels, the current patterns, water level, and fluctuations present when such discharges occur, the volume, rate, and duration of the discharge, particulate

deposition, and the seasonal timing of the discharge.”

Since the minor, temporary, and localized increase of suspended solids due to the proposed project are anticipated to be low relative to the levels of suspended solids that typically result from storm events and adverse weather conditions, the proposed project is not expected to cause any long-term adverse impacts on the chemical or physical properties of the water column.

(b) Dissolved Oxygen

No effects to dissolved oxygen levels within the channel are anticipated with implementation of the proposed project.

(c) Toxic Metals and Organics

No effects are expected with the implementation of the proposed project.

(d) Pathogens

No effects are expected with the implementation of the proposed project.

(d) Aesthetics

There could be temporary increases in turbidity, noise, dust, and visual disturbance during the implementation of the proposed project which would include excavation activities and placement of fill material. However, these increases would be minor and temporary in duration. Therefore, there would be no long-term effects to aesthetics within the vicinity of the proposed project area.

(e) Other

No other effects are expected with the implementation of the proposed project.

(3) Effects on Biota

(a) Primary Production, Photosynthesis

There could be localized turbidity increases during excavation activities and placement of fill material. The minor increases in turbidity during initial project implementation could impact primary production/photosynthesis by reducing water clarity; however, the affect would be minor and temporary. In addition, this effect is anticipated to be low relative to the levels of suspended solids that typically result from storm events and adverse weather conditions.

(b) Suspension/Filter Feeders

There could be localized turbidity increases during excavation activities and placement of fill material. The minor increases in turbidity during initial project implementation could impact suspension/filter feeders; however, the affect would be minor and temporary. Part of the proposed project involves the removal of excessive sedimentation within the channel, thereby potentially creating improved conditions for suspension/filter feeders over the long-term.

(c) Sight Feeders

There could be localized turbidity increases during excavation activities and placement of fill material. The minor increases in turbidity during initial project implementation could impact sight feeders by reducing water clarity; however, the affect would be minor and temporary.

(4) Actions Taken to Minimize Impacts

During construction the waterway will be isolated from the work area with temporary coffer dams with bypass pumping used to maintain hydraulic flow. Timing and methods of fill placement, use of biodegradable erosion control fabric, silt fencing, and plantings would be implemented to minimize the temporary turbidity impacts associated with the proposed project. Work areas would be stabilized with crushed rock or cast in place concrete to minimize long term impacts to water quality. Disturbances above the water level would be stabilized with vegetative seed and mulch matting to provide long-term soil retention. Overall, the proposed project is expected to be under the turbidity threshold caused by a moderate rain storm.

B. Contaminant Determinations

The proposed fill material would not introduce any new contaminants into the East Branch of Butterfield Creek, or release any significant amounts of existing contaminants (if any are present) through bottom disturbance in the construction area.

C. Aquatic Ecosystem and Organism Determinations

(1) Effects on Plankton

Plankton are pelagic, which means they live within the water column itself, as opposed to benthic organisms that live along the bottom of the channel. Plankton generally drift along with the water currents and/or float on or near the water surface, as opposed to nekton, which are active swimmers that can propel themselves through water currents. Plankton are typically divided into phytoplankton, which includes photosynthesizing species like algae that derive energy from sunlight, water, and carbon dioxide, and zooplankton, which consume food in order to derive energy. It is not anticipated that there are significant plankton resources present in the reach of channel where construction activities would occur due to previous modifications of the site. Therefore, the proposed project is not expected to have a significant impact on the plankton population present within the East Branch of Butterfield Creek.

(2) Effects on Benthos

Benthos refers to the organisms (plants and animals) that inhabit the bottom of a stream. The channel reach where construction activities would occur is not considered to represent significant benthic habitat. The channel has been modified in the past and current in-stream habitat that would support a benthic community is for the most part either absent or severely degraded. Regardless, it is likely that some type of benthic community does exist, however, it is likely comprised of only tolerant species. The removal of material from the invert of the channel will cause destruction of and temporary adverse impacts on the existing benthos in the local work area. However, the work area is relatively small as compared to the larger watershed and would have insignificant effects on the total macroinvertebrate population. As a result, the disturbed area is likely to be recolonized quickly by the same species, and no long term effects or modifications to species diversity or dynamics is anticipated.

(3) Effects on Nekton

Nekton refers to the aquatic life (organisms) that can swim freely and are generally independent of the water currents (Water Encyclopedia 2016). This includes fish eggs and larvae. The work activities are expected to cause minor auditory disturbances to nekton in the vicinity of the work area, and some aquatic organisms that are slow or unable to move away quickly enough could be injured or killed during the removal of material. However, compared to the size of the watershed the work area is small. If fish and other free swimming organisms are present they will tend to avoid the construction area. The construction area will be used again by those organisms soon after construction ends. The project is not anticipated to degrade or have any permanent or noticeable effects on the nekton or nekton habitat in the East Branch of Butterfield Creek.

(4) Effects on Aquatic Food Web

The proposed work activities in the channel is not expected to impact the local food web because the reach where work would occur is not considered to be significant habitat supporting the food web with the East Branch of Butterfield Creek.

(5) Effects on Special Aquatic Sites

a) *Sanctuaries and Refuges*

There are no sanctuaries or refuges in the vicinity of the proposed project, therefore, there would be no significant impact to these resources.

b) *Wetlands*

A wetland complex has been identified south of the channel along Governors Highway associated with roadside runoff from the highway. Installation of the outlet pipe for the detention basin will cross this wetland resulting in a negligible impact.

c) *Mud Flats*

There are no mud flats in the vicinity of the site, therefore, there would be no significant impact to these resources.

d) *Vegetated Shallows*

No vegetated shallows are in the vicinity of the site, therefore, there would be no significant impact to these resources.

e) *Coral Reefs*

There are no coral reefs in freshwater environments, therefore, this is not applicable.

f) *Riffle and Pool Complexes*

There are no riffle and pool complexes in the vicinity of the site, therefore, there would be no significant impact to these resources.

(6) Threatened and Endangered Species

A query of the U.S. Fish and Wildlife Service’s (USFWS) Environmental Conservation Online System Information for Planning and Consultation (ECOS-IPaC) on May 21, 2020 resulted in an official species list of federally-listed species that may be present within the proposed project area. Ten federally-listed threatened, endangered, or candidate species were identified as potentially occurring within the project area (Table 3). Critical habitat has been designated for the piping plover, and the Hine’s emerald dragonfly; however, the project location is outside the critical habitat area for both of these species.

Table 7: Federally-listed Special Status Species Potentially Occurring within the Proposed Project Area.

Species Name	Federal Status	Habitat	Potential to Occur
Northern long-eared bat (<i>Myotis septentrionalis</i>)	Threatened	Hibernates in caves and mines – swarming in surrounding wooded areas in autumn. Roosts and forages in upland forests and woods during the summer.	Likely to occur; lack of known maternity roosting/overwintering habitat.
Piping plover (<i>Charadrius melodus</i>)	Endangered	Found along Lake Michigan beaches.	Not expected to occur; lack of suitable habitat.
Rufa red knot (<i>Calidris canutus rufa</i>)	Threatened	Found in coastal areas or large wetland complexes. Migratory window is May 1 through September 30.	Not expected to occur; lack of suitable habitat.
Eastern massasauga (<i>Sistrurus catenatus</i>)	Threatened	Found in graminoid dominated plant communities (e.g., fens, sedge meadows, peatlands, wet prairies, open woodlands, and shrublands).	Not expected to occur; lack of suitable habitat.
Hine’s emerald dragonfly (<i>Somatochlora hineana</i>)	Endangered	Found in spring fed wetlands, wet meadows and marshes. Critical habitat has been designated for this species within Cook County; however, it is not within the vicinity of the project footprint.	Not expected to occur; lack of suitable habitat.

Species Name	Federal Status	Habitat	Potential to Occur
Rattlesnake-master borer moth (<i>Papaipema eryngii</i>)	Candidate	Found in undisturbed prairie and woodland openings that contain their only food plant, rattlesnake-master (<i>Eryngium yuccifolium</i>).	Not expected to occur; lack of suitable habitat.
Eastern prairie fringed orchid (<i>Platanthera leucophaea</i>)	Threatened	Found in mesic to wet prairies.	Not expected to occur; lack of suitable habitat.
Leafy prairie-clover (<i>Dalea foliosa</i>)	Endangered	Found in prairie remnants along the Des Plaines River in Illinois, in thin soils over limestone substrate.	Not expected to occur; lack of suitable habitat.
Mead's milkweed (<i>Asclepias meadii</i>)	Threatened	Found in moderately wet to moderately dry upland tallgrass prairie or glade/barren habitat characterized by vegetation adapted for drought and fire. Persists in stable late-successional prairie.	Not expected to occur; lack of suitable habitat.
Prairie bush clover (<i>Lespedeza leptostachya</i>)	Threatened	Found in dry to mesic prairies with gravelly soil.	Not expected to occur; lack of suitable habitat.

The USACE determined that the construction and operation of the proposed project would have ‘no effect’ directly or indirectly on the above federal-listed species since these species are not expected to be within the vicinity of the proposed project area due to lack of suitable habitat: piping plover, rufa red knot, eastern massasauga, Hine’s emerald dragonfly, rattlesnake-master borer moth, eastern prairie fringed orchid, leafy prairie-clover, Mead’s milkweed, and prairie bush-clover. With regard to the northern long-eared bat, the USACE determined that the proposed project ‘may affect, but is not likely to adversely affect’ the species since there is potential for suitable summer habitat to be present within the vicinity of the proposed project. To minimize potential impacts to northern long-eared bats that may be roosting within the vicinity of the project, any tree removal that is part of the proposed project would not be allowed to occur between March 1 and October 1.

With regard to state listed species, the Illinois Department of Natural Resources (IDNR) provided a response during the scoping period (letter dated April 14, 2020) in which the Department concluded that adverse effects are unlikely. As such, the letter stated that consultation under 17 Ill. Adm. Code Part 1075 is terminated.

(7) Other Wildlife

No other wildlife would be significantly impacted by the proposed activity.

(8) Actions Taken to Minimize Impacts

General construction scheduling and sequencing would minimize impacts to reproducing macroinvertebrates and fishes. Temporary coffer dams, temporary bypass pumping, erosion control fabric and erosion armoring would be implemented to minimize the temporary turbidity impacts associated with the proposed activity.

D. Proposed Disposal Site Determinations

(1) Mixing Zone Determination

A mixing zone determination is not applicable to this project as no violation of applicable water quality standards is expected during construction.

(2) Determination of Compliance with Applicable Water Quality Standards

The proposed activity would not cause significant or long-term degradation of water quality within the East Branch of Butterfield Creek and would comply with all applicable water quality standards.

(3) Potential Effects on Human Use Characteristic

(a) Municipal and Private Water Supply

No effects expected with proposed project implementation.

(b) Recreational and Commercial Fisheries

No effects expected with proposed project implementation.

(c) Water Related Recreation

No effects expected with proposed project implementation.

(d) Aesthetics

No effects expected with proposed project implementation.

(e) Parks, National and Historical Monuments, National Seashores, Wilderness Areas, Research Sites, and Similar Preserves

All protected historical and cultural resources would not be affected by this proposed project.

E. Determination of Cumulative Effects on the Aquatic Ecosystem

The proposed project would reduce incidences of flooding in the area and as such reduce incidences of pollutants being washed into the stream. There are no significant adverse effects expected. See Section 4 of the Draft EA for an assessment of the cumulative effects.

F. Determination of Secondary Effects on the Aquatic Ecosystem

No significant adverse impacts to the East Branch of Butterfield Creek are expected as a result of the proposed activity.

III. Findings of Compliance or Non-Compliance with the Restrictions on Discharge

A. Adaptation of the Section 404(b)(1) Guidelines to this Evaluation

There were no adaptations of the Section 404(b)(1) guidelines for this evaluation.

B. Evaluation of Availability of Practicable Alternatives to the Proposed Discharge Site Which Would Have Less Adverse Impact on the Aquatic Ecosystem

No practical alternatives are available that produce fewer adverse aquatic impacts than the proposed plan.

C. Compliance with Applicable State Water Quality Standards

The proposed project would comply with applicable water quality standards. Excavated soils that are not repurposed would be placed upland for disposal with no direct return of untreated water. The proposed project would not cause any substantial long-term effects on, or changes to, the water chemistry or quality. Short-term effects on water quality are possible because of temporary increases in the concentration of suspended solids and turbidity due to excavation activities and placement of fill material. To minimize impacts, erosion control and stormwater pollution prevention practices would be implemented proactively. Overall, the proposed project is expected to comply with all applicable water quality standards and no violations are anticipated.

D. Compliance with Applicable Toxic Effluent Standard or Prohibition under Section 307 of the Clean Water Act

The proposed project is in compliance with applicable Toxic Effluent Standards under Section 307 of the Clean Water Act; with the Endangered Species Act of 1973; and with the National Historic Preservation Act of 1966.

E. Compliance with Endangered Species Act of 1973

Under the ESA, a permit to ‘take’ a listed species is required for any Federal action that may harm a listed species. ESA, Section 7 prohibits Federal agencies from authorizing, funding, or carrying out activities that are likely to jeopardize the continued existence of a listed species, or destroy or adversely modify its critical habitat. By consulting with USFWS, the agency reviews actions to determine if they could adversely affect listed species or their habitat and design their programs and projects to conserve listed and proposed species. USFWS coordination with other Federal agencies is important to species conservation.

Coordination has been initiated with the USFWS via a scoping letter dated April 13, 2020. The USACE has prepared a draft environmental assessment in which a determination of ‘no effect’ was made for piping plover, rufa red knot, eastern massasauga, Hine’s emerald dragonfly, rattlesnake-master borer moth, eastern prairie fringed orchid, leafy prairie-clover, Mead’s milkweed, and prairie bush-clover; and a determination of ‘may affect, but is not likely to adversely affect’ for the northern long-eared bat. It is anticipated that upon review of the Draft EA the USFWS will concur with USACE’s determinations.

F. Compliance with Specified Protection Measures for Marine Sanctuaries Designated by the Marine Protection, Research, and Sanctuaries Act of 1972

The proposed project is not located within the vicinity of any protected marine areas.

G. Evaluation of Extent of Degradation of the Waters of the United States

The proposed activity would have no significant adverse impact on human health or welfare, including municipal and private water supplies, recreational and commercial fisheries, plankton, fish, shellfish, or wildlife communities (including community diversity, productivity, and stability), special aquatic sites, or recreational, aesthetic, and economic values.

H. Appropriate and Practicable Steps Taken to Minimize Potential Adverse Impacts of the Discharge on the Aquatic Ecosystem

Typical erosion control measures, such as erosion control fabric, silt fencing, planting bare areas, would be taken to minimize construction impacts. In addition, excavated soil that is not repurposed on site would be disposed of upland with no untreated return water. This would prevent the release of anthropogenic compounds that may be associated with the soil.

I. On the Basis of the Guidelines, the Proposed Placement Site for the Discharge of the Fill Material is Specified as Complying with the Requirements of these Guidelines, with the Inclusion of Appropriate and Practical Conditions to Minimize Adverse Impacts to the Aquatic Ecosystem.

The proposed project complies with the requirements of these guidelines, with the inclusion of appropriate and practical measures (e.g. erosion control fabric and silt fencing) to minimize adverse effects on the aquatic ecosystem.

2.2 404 / 401 REGIONAL PERMIT 5 CATEGORY I REQUIREMENTS

The following is a checklist of items to be provided to the Illinois EPA for notice of intent of Regional Permit 5 use:

A. Cover Letter

The cover letter describes the proposed activity. The activity is described in detail in Section I B) General Description of the 404(b)(1) Analysis.

B. Joint Application Form

The joint application for this notification is not provided for Regional Permit use since all of the information is provided in this document and the Draft EA.

C. Special Measures

See Section II e) 8) of the 404(b)(1) Analysis for special measures.

D. Project Purpose & Need

See Section I c) of the 404(b)(1) Analysis for Purpose & Need.

E. Regional Permit Used

The U.S. Army Corps of Engineers, Chicago District Regional Permit (RP)5 Wetland & Stream Restoration and Enhancement permits the restoration, creation and enhancement of wetlands and riparian areas, and the restoration and enhancement of rivers, creeks and streams, and open water areas on any public or private land. Wetland and stream restoration and enhancement activities include the removal of accumulated sediments; installation, removal and maintenance of small water control structures, dikes and berms; installation of current deflectors; enhancement, restoration, or creation of riffle and pool structures; placement of in-stream habitat structures; modifications of the stream bed and/or banks to restore or create stream meanders; backfilling of artificial channels and drainage ditches; removal of existing drainage structures; construction of open water areas; activities needed to reestablish vegetation,

including plowing or discing for seed bed preparation; mechanized land-clearing to remove undesirable vegetation; and other related activities. This RP may be used to relocate aquatic habitat types on the project site, provided there are net gains in aquatic resource functions and values.

F. Area of Impact

The area of impacted is about 0.4-acres of the East Branch of Butterfield Creek for removal of unnatural substrates (i.e., riprap and broken concrete), naturalization of the channel bank, and placement of topsoil as growth medium for native plantings along the channel bank.

G. Fill Type & Quantity

See Section I d) of the 404(b)(1) Analysis for types and quantity of fill material.

H. Project Area Map

See **Figure 1** in the 404(b)(1) Analysis for the project area map.

I. Site Coordinates

41°28'56.05"N 87°42'47.21"W

J. Site Documentation

See **Section 3 of the Environmental Assessment** for a complete description of current physical, ecological and cultural resources.

K. Wetland Delineation

See **Section 3 of the Environmental Assessment** for a complete description of current physical and ecological resources.

L. Farmed Wetlands

There are no farmed wetlands within the project area.

M. Plat of Survey

Property boundaries and real estate are found within the Real Estate Plan. All upland project real estate is owned by the Village of Richton Park. The wetted area of the approximately 900 LF channel reach of the East Branch of Butterfield Creek where aquatic ecosystem restoration is proposed is privately owned.

N. Engineering Drawings

Engineering design drawings are presented in **Appendix X to the Environmental Assessment**.

O. Schedule

φ 30 Day Public Review Start	Jun 2020
φ 30 Day Public Review Ends	Jul 2020
φ Final EA Report for Approval	Jul 2020
φ Design Complete	Jul 2020
φ Construction Complete	Summer 2022

P. Soil Erosion Sediment Control Plan

The affected area of disturbance is less than 1-acre; therefore, significant erosion and sediment release is not expected. Construction activities associated with restoration of the stream channel include best management practices (BMPs) such as silt fencing, biodegradable erosion control fabric, and permanent project features such as native riparian vegetation.

Q. Federally Threatened & Endangered Species

See Section II e) 6) of the 404(b)(1) Analysis.

R. State Threatened & Endangered Species

See Section II e) 6) of the 404(b)(1) Analysis.

S. Illinois Historic Preservation Agency

Correspondence with the ILSHPO is provided in Appendix 1 – Coordination to the Environmental Assessment.

T. Applicable Watershed Plans

There are no applicable watershed plans in relation to this project.

U. After the Fact Permit

Not Applicable.

V. Mitigation Plan

This is a restoration plan that requires no mitigation since lost resources are being recovered and water quality improved.

W. Project Funding Source

This project is cost-shared with USACE and the Village of Richton Park.

X. Regional Permit 5 Guidelines

Authorization under RP5 is subject to the following requirements which shall be addressed in writing and submitted with the notification:

a. All projects will be processed under Category I.

This project would be processed under Category I.

b. This permit does not authorize activities to relocate or channelize a linear waterway such as a river, stream, creek, etc.

This project is rectifying past impacts to the East Branch of Butterfield Creek by removing unnatural substrates (i.e., riprap and broken concrete) from the channel and restoring native vegetation along the channel banks. See Section I b) of the 404(b)(1) Analysis.

c. This permit cannot be used for the conversion of a stream or creek to another aquatic use, such as the creation of an impoundment for waterfowl habitat.

This project does not convert the portion of channel into another aquatic use. See Section I b) of the 404(b)(1) Analysis.

d. This permit cannot be used to authorize the conversion of natural wetlands to another aquatic use, such as creation of waterfowl impoundments where a forested wetland previously existed, or the conversion of waterfowl impoundments and wildlife habitat areas.

This project does not include the conversion of wetlands to another aquatic use. See Section I b) of the 404(b)(1) Analysis.

e. A management and monitoring plan shall be required for the restoration, creation or enhancement of aquatic resources. Upon the District's approval, the management and monitoring plan may be designed to be site specific, with the duration of the plan determined on a case-by-case basis.

Monitoring of the restoration area will be the responsibility of the Village of Richton Park.

f. For a project site adjacent to a conservation area, forest preserve holdings, or village, city, municipal or county owned lands, the permittee shall request a letter from the organization responsible for management of the area. The response letter should identify recommended measures to protect the area from impacts that may occur as a result of the development. A copy of the request and any response received from the organization shall be submitted to the District with the notification.

The Village of Richton Park will be responsible for the maintenance and protection of the restoration area.

g. For projects receiving State or Federal grants or funding sources, the permittee shall submit a copy of the document disclosing the expiration date for use of the funds and the expected calendar date for commencement of the project in order to meet funding deadlines.

2.3 404 / 401 REGIONAL PERMIT 7 CATEGORY I REQUIREMENTS

RP7 authorizes temporary structures and discharges necessary for construction activities, access fills and dewatering of construction sites. Authorization under RP7 is subject to the General Conditions of the Regional Permit Program. General Conditions of the Regional Permit Program regarding the project are addressed above under *2.2 404 / 401 Regional Permit 5 Category I Requirements A-W*. In addition, the following requirements must be addressed in writing and submitted with the notification:

a. All projects will be processed under Category I.

This project would be processed under Category I.

b. The temporary fill to waters of the U.S. must be limited to the minimum necessary to complete the activity. The acreage and purpose of each temporary fill must be specified.

The temporary fill to waters of the U.S. would be limited to the minimum necessary to complete the restoration of the approximately 900 LF reach of channel and construction of the concrete flair where the detention basin outlet pipe inlets into the channel reach. The temporary fill would be used to construct temporary cofferdams that would block of the stream channel and allow for work in the dry. The acreage of the temporary cofferdams would be approximately 0.02 acre (0.01 acre per cofferdam) and the fill material used for the cofferdams would be determined by the contractor ultimately. However, possible fill materials that may be used include non-erodible materials such as stone, sheetpile, etc.

c. Fill must be composed of non-erodible materials and be constructed to withstand expected high flows.

The temporary cofferdams would be composed of non-erodible materials and would be constructed to withstand expected high flows that may occur during construction.

d. Low ground-pressure equipment is required for work in wetlands. However, after careful consideration, if the District accepts a proposal to use heavy equipment to accomplish the work, the placement of timber mats or other protective measures must be utilized to minimize soil disturbance. Lumber to be used for temporary construction activities must be free of all chemical treatment.

The heaviest piece of equipment anticipated to be needed for construction is an excavator for digging out the detention basin. An excavator may also be needed to remove the broken concrete and riprap from the channel reach to be restored. All equipment would be staged so as to avoid identified wetland areas.

Protective measures would be used to minimize soil disturbance due to equipment used for construction. Any lumber used for temporary construction activities would be free of chemical treatment.

e. All materials used for temporary construction activities must be moved to an upland area immediately following completion of the construction activity.

All materials used for temporary construction activities will be placed on dump trucks and hauled off the site immediately following the completion of construction activities.

f. The permittee is required to restore the construction area to pre-construction conditions, including grading to original contours and revegetating disturbed areas with appropriate native vegetation immediately upon completion of the project. A restoration plan must be submitted with the notification. A 1-foot contour topographic map of the project area may be required on a case-by-case basis.

The construction area and staging areas will be restored to pre-construction conditions and seeded with appropriate native vegetation at completion of the project.

g. For projects that require installation and operation of a cofferdam, the cofferdam method and a detailed construction sequence must be specified in the project narrative and clearly labeled on the construction plans. The following requirements will be adhered to for any project required in-stream work and must be incorporated into the soil erosion and sediment control plans for the project:

- 1) Work in the waterway should be timed to take place during low or no-flow conditions. Low flow conditions are at or below the normal water elevation.*

Work in the waterway would be timed to take place during low flow conditions. Work is anticipated to occur late summer/fall when large storm events are less frequent in the area.

- 2) The plan must be designed to allow for the conveyance of the 2-year peak flow past the work area without overtopping the cofferdam. The Corps has the discretion to reduce this requirement if documented by the applicant to be infeasible or unnecessary.*

The plan would be designed to allow for the conveyance of the 2-year peak flow past the work area without overtopping the cofferdam. Flow will be routed around the work area via piping and pumps.

- 3) Water must be isolated from the in-stream work area using a cofferdam constructed of non-erodible materials (steel sheets, aqua barriers, rip rap and geotextile liner, etc.). Earthen cofferdams are not permissible.*

The material of the cofferdam is up to the discretion of the contractor, however, it will be noted in the specifications that non-erodible materials must be used.

- 4) *The cofferdam must be constructed from the upland area and no equipment may enter the water at any time. If the installation of the cofferdam cannot be completed from shore and access is needed to reach the area to be coffered, other measures, such as the construction of a causeway, will be necessary to ensure that equipment does not enter the water. Once the cofferdam is in place and the isolated area is dewatered, equipment may enter the coffered area to perform the required work.*

The two cofferdams to be constructed will be built using equipment staged upland. The required cofferdams are small in size (approximately 0.01 acre each) and constructing them from the adjacent upland area should be feasible. Equipment will not enter the channel reach until the area between the cofferdams had been dewatered.

- 5) *If bypass pumping is necessary, the intake hose must be placed on a stable surface or floated to prevent sediment from entering the hose. The bypass discharge must be released onto a non-erodible, energy dissipating surface prior to rejoining the stream flow and must not cause erosion. Filtering of bypass water is not necessary unless the bypass water has become sediment-laden as a result of the current construction activities.*

Bypassing pumping is necessary to route flow from the East Branch of Butterfield Creek around the coffered off construction area. Hosing associated with the pumps will be placed on a stable surface to prevent sediment from entering the hose. Discharge from the hose will be released onto an energy dissipating surface prior to rejoining the stream flow so as not to cause erosion downstream of the cofferdam.

- 6) *During dewatering of the coffered work area, all sediment-laden water must be filtered to remove sediment. Possible options for sediment removal include baffle systems, anionic polymers systems, dewatering bags, or other appropriate methods. Water must have sediment removed prior to being re-introduced to the downstream waterway. A stabilized conveyance from the dewatering device to the waterway must be identified in the plan. Discharge water may not result in a visually identifiable degradation of water clarity.*

During dewatering of the coffered work area, all sediment-laden water would be filtered prior to discharge. The method of filtration would be determined by the contractor. Discharge would not result in visually identifiable degradation of water clarity within the East Branch of Butterfield Creek.

- 7) *The area from the toe to the top of the side slope must be temporarily stabilized during construction to reduce the potential for erosion. All areas disturbed due to construction activities must be restored to proposed conditions and fully stabilized prior to accepting flows.*

All sloped work areas would be temporarily stabilized during construction activities to reduce erosion potential. Upon completion of construction, all areas will be stabilized with native vegetation. Turf reinforcement matting may also be required to stabilize areas prior to planting with native vegetation.

2.4 404 / 401 REGIONAL PERMIT 8 CATEGORY I REQUIREMENTS

RP8 authorizes the construction, maintenance and repair of utility line activities and associated facilities in waters of the United States. This includes trenching and backfilling activities for utility lines and fill activities for construction of substations and related appurtenances (temporary and permanent access roads, construction pads, stormwater management facilities, fencing, parking lots, etc.), poles, pads, anchors, outfall structures, and foundations for overhead utility line towers, utility lines under (e.g., through discretionary drilling) or over navigable waters (regulated under Section 10 waters only), and outfalls and associated intakes which are authorized, conditionally authorized, specifically exempted, or are otherwise in compliance with the National Pollutant Discharge Elimination System program (Section 402 of the Clean Water Act).

Pipes or pipelines used to transport gaseous, liquid, liquescent, or slurry substances over navigable waters of the United States are considered to be bridges, not utility lines, and may require a permit from the U.S. Coast Guard pursuant to Section 9 of the Rivers and Harbors Act of 1899. However, any discharges of dredged or fill material into waters of the United States associated with such pipelines will require a section 404 permit.

Utility lines constructed in, over, or under Section 10 waters, and without a discharge of dredged or fill material, require a Section 10 permit if the proposed activity has the potential to affect the course, condition, or capacity of navigation. The construction of utility lines through a Section 10 water with a discharge of dredged or fill material requires a Section 404 permit in addition to a Section 10 permit. For purposes of a Section 10 permit, a tunnel or other structure or work under or over a navigable water of the United States is considered to have an impact on the navigable capacity of the waterbody.

Authorization under RP8 is subject to the General Conditions of the Regional Permit Program. General Conditions of the Regional Permit Program regarding the project are addressed above under 2.2 404 / 401 *Regional Permit 5 Category I Requirements A-W*. In addition, the following requirements must be addressed in writing and submitted with the notification:

a. The impact to waters of the U.S. must not exceed 1.0 acre. For projects that impact over 0.10 acres of waters of the U.S., the permittee is required to provide compensatory mitigation.

The portion of the proposed project that extends through a wetland designated as waters of the U.S. is the outlet pipe from the detention basin. The outlet pipe extends from the detention basin approximately 600 LF north to the East Branch of Butterfield Creek. The placement of the outlet pipe would permanently disturb approximately 0.03 acre (1200 square feet) of freshwater shrub/forested wetlands. This acreage is below the 0.10 acre threshold for compensatory mitigation, therefore, no compensatory mitigation is required.

b. Projects that impact no more than 0.5 acres of waters of the U.S., and do not impact a high-quality aquatic resource, will be processed under Category I.

As described above, the proposed project would not impact more than 0.5 acres of waters of the U.S. The placement of the outlet pipe would only permanently disturb approximately 0.03 acre (1200 square feet) of freshwater shrub/forested wetlands. In addition, the freshwater shrub/forested wetlands are not considered a high-quality aquatic resource. The wetlands are adjacent to Governors Highway, a main thoroughfare in the area, and have been impacted by past human disturbance. Therefore, the project will be processed under Category I.

c. Projects that impact over 0.5 acres and up to 1.0 acre of waters of the U.S., or impact a high-quality aquatic resource, will be processed under Category II.

The proposed project would not impact more than 0.5 acres of waters of the U.S. as described above. In addition, as described above, the wetlands to be impacted are not considered a high-quality aquatic resource. Therefore, the project would not need to be processed under Category II.

d. Authorization under RP8 pursuant to Section 404 of the Clean Water Act is subject to individual water quality certification under Section 401 of the Clean Water Act when there is a discharge of dredged and/or fill material to the waters listed below. Return flows from dredging operations to the waters listed below are considered Section 404 discharges. However, as determined on a case-by-case basis by the District, individual water quality certification may not be required for the installation of outfall structures in the following waters if there will be no more than minimal disturbance to the sediment and substrate during construction activities.

- 1) *Chicago Sanitary and Ship Canal*
- 2) *Calumet-Sag Channel*
- 3) *Little Calumet River*
- 4) *Grand Calumet River*
- 5) *Calumet River*
- 6) *Chicago River (main stem)*
- 7) *South Branch of the Chicago River (including South Fork)*
- 8) *North Branch of the Chicago River (including East and West Forks and Skokie Lagoons)*
- 9) *Lake Calumet*
- 10) *Des Plaines River*
- 11) *Fox River (including the Fox Chain of Lakes)*
- 12) *Lake Michigan*
- 13) *Pettibone Creek*
- 14) *Kankakee River*

The proposed project does not include the installation of an outfall structure directly into any of the waters listed above.

e. For a project site adjacent to a conservation area, the permittee must request a letter from the organization responsible for management of the area. The response letter must identify recommended measures to protect the area from impacts that may occur as a result of the development. A copy of the request and any response received from the organization must be submitted to the District with the notification.

The proposed project is not adjacent to a conservation area.

f. Stormwater management facilities may not be constructed in a linear body of water such as a river, or perennial, intermittent or ephemeral stream or creek, unless there is substantial evidence that the project will provide a benefit to the aquatic system. Potential benefits could include water quality improvements at headwaters of the watershed, or promotion of wildlife habitat, feeding and breeding areas.

The proposed project includes aquatic ecosystem restoration of an approximately 900 LF of channel reach, therefore, as a whole, the project is anticipated to provide beneficial impacts to the aquatic community within the East Branch of Butterfield Creek.

g. The project must employ permanent, post-construction Best Management Practices (BMPs) to protect water quality, preserve natural hydrology and minimize the overall impacts of the project on aquatic resources. BMPs must be considered at the earliest planning stages of the project. Please note that temporary soil erosion and sediment control (SESC) measures are not considered permanent BMPs.

To the greatest extent practicable, the activity should be designed such that stormwater does not directly discharge into waters of the U.S. For each location where stormwater discharges towards a jurisdictional wetland or stream, provide a written narrative discussing opportunities to implement permanent BMPs. The type of BMPs proposed should be based on the scope of work, the change in impervious surface runoff discharging to the waters of the U.S., and the overall direct impacts to waters of the U.S. resulting from the proposed work.

BMPs will be implemented post construction to potentially include turf reinforcement mat to stabilize sloped areas. In addition, a native vegetation see mixture will be used to replant areas that were disturbed during project construction. The proposed project does not include increasing the amount of impervious surface in the area. The proposed project would reduce stormwater runoff into the East Branch of Butterfield Creek by detaining stormwater in a newly constructed detention basin. The detention basin would provide time for the stormwater to become cleaner by slowing down the water and allowing sediments to drop out.

h. The permittee must establish and/or enhance an upland buffer of appropriate native plants adjacent to all created, restored, enhanced or preserved waters of the U.S., including but not limited to: wetlands, rivers, streams, creeks, ponds and lakes. However, the construction or installation of the support towers, poles, footing, anchors and appurtenant structures for overhead and/or underground utility lines are exempt from this upland buffer requirement.

The proposed project does include the establishment of native vegetation where areas were disturbed during construction as well as along the channel banks where aquatic ecosystem restoration is occurring.

i. The discharge of dredged or fill material may not consist of unsuitable material. Material discharged must be free from toxic pollutants in toxic amounts (see Section 307 of the Clean Water Act). Unsuitable materials include but are not limited to: trash, debris, asphalt, and creosote treated wood (i.e. for support poles and towers).

Fill material used to backfill the trench for the outlet pipe would be topsoil that was excavated in construction of the trench. In addition, repurposed top soil from excavation of the detention basin would be used as a growth medium for the channel banks where aquatic ecosystem restoration is proposed. Bank stabilization fill material where the outlet pipe would enter the channel would be new, clean, inert material such as concrete (i.e., concrete flair) and riprap.

j. The permittee is required to restore the construction area to pre-construction conditions, including grading the disturbed areas to the original contours and revegetating with appropriate native vegetation immediately upon completion of the project. The restoration plan must be submitted with the notification. A 1-foot contour topographic map of the project area may be required on a case-by-case basis.

The construction and staging areas would be restored to pre-construction conditions and seeded with an appropriate native vegetation seed mix.

k. The construction zone for linear utility line projects must be limited to a width of 50 feet. All designated work area(s), including construction staging areas, must be drawn onto the submitted construction plans and clearly labeled. Equipment storage or staging areas may not occur in wetlands or waters of the U.S.

The width of the outlet pipe to be placed as part of the proposed project is 21 inches, which is below the 50 foot width. All designated work areas and staging areas would be detailed on the construction plans. Equipment would not be staged or stored within designated wetland areas or waters of the U.S.

l. Mechanized clearing of vegetation in the utility corridor must be conducted no more than seven (7) calendar days preceding installation of the utility line in that segment of the corridor. Vegetation may not be cleared along the entire corridor prior to installation of the utility line.

Clearing of vegetation would be conducted no more than seven days preceding the installation of the outlet pipe.

m. For utility line projects, directional drilling (regulated in Section 10 waters only) or dry crossing techniques, such as fluming, must be used for utility line projects if the waterbody to be crossed contains perennial flow. The construction drawings and project narrative must depict the location of all construction access areas, dewatering pits, jacking and receiving pit locations. Steps must be taken for the removal and disposal of bentonite slurry, a by-product of installation.

The proposed project does not include the installation of any utility lines that would cross the East Branch of Butterfield Creek.

n. Notification must include a contingency plan when the project involves directional boring or horizontal directional drilling (HDD) beneath waters of the U.S., including wetlands. The contingency plan must discuss actions to stabilize the work area (prior, during and post-construction), to employ alternative construction methods, and the process to obtain additional permits necessary to complete the project. The contractor must closely monitor the project for the unintentional discharges of drilling fluids. Monitoring activities during drilling operations must include visual inspection along the drill path, fluid return pit(s), and wetland/waterbody surfaces for evidence of a release, as well as documentation of all drilling fluid products. Any discharge of drilling material into waters of the U.S. must be reported to the Corps within 24 hours. You must implement the approved contingency plan immediately upon discovery of an unauthorized discharge. Restoration and/or mitigation may be required as a result of any unintended discharge.

The proposed project does not include directional boring or horizontal directional drilling beneath waters of the U.S., including wetlands.

o. This RP authorizes, to the extent that DA authorization is required, temporary structures, fills, and work necessary for the remediation of inadvertent returns of drilling muds to waters of the United States through sub-soil fissures or fractures (i.e., frac-outs) that might occur during horizontal directional drilling activities to install or replace utility lines. These remediation activities must be done as soon as practicable to restore the affected waterbody. District engineers may add special conditions to this RP to require a remediation plan for addressing inadvertent returns of drilling muds to waters of the United States during horizontal directional drilling activities for the installation or replacement of utility lines.

The proposed project does not include drilling, therefore, there would be no inadvertent returns of drilling muds to waters of the U.S.

p. Material resulting from trench excavation may be temporarily (up to 30 days) sidecast into wetlands provided that the material is contained using appropriate soil erosion and sediment control measures. Excavated materials may not be temporarily sidecast in waterways. Revegetation of all disturbed areas is required.

Excavated material, except for that to be reused to backfill in the trench, would be immediately placed on dump trucks and hauled off for disposal. No excavated material would be temporarily sidecast in waterways. All disturbed areas, as noted above, would be revegetated as soon as construction is complete for that area with a native vegetation seed mix.

q. Utility lines must not adversely alter the existing hydrology of waters of the U.S., including wetlands. In wetland areas, utility line trenches must be lined with clay or other impervious materials or structures (such as cut-off walls) to ensure that the utility trench does not alter the hydrology nor drain waters of the U.S. In order to prevent a French drain effect, gravel bedding cannot be used as backfill material in the trench. The method chosen to prevent the draining of wetlands must be drawn onto the construction plans and clearly labeled.

The proposed project would not adversely alter the existing hydrology of water of the U.S., including wetlands.

r. In wetland areas, the trench must be backfilled with topsoil excavated from the trench in the same stratification in which it was removed. For example, the upper horizon of the wetland soil must be placed back at the ground surface to allow for successful revegetation of wetlands plants.

The excavated trench would be backfilled with topsoil excavated from the trench in the same stratification in which it was removed.

s. All disturbed areas of the project (i.e. utility corridors, construction access and storage areas, disturbed slopes and streambanks, etc.) must be stabilized (e.g., blanketed and seeded) immediately upon completion of construction activities in any one segment of the project. In no case may soil stabilization be delayed until the project is completed.

All disturbed areas, as noted above, would be revegetated as soon as construction is complete for that area with a native vegetation seed mix.

t. All temporary construction activities must adhere to the requirements of items c through g of Regional Permit 7 (Temporary Construction Activities) and must be addressed in writing and submitted with the notification.

The proposed project would adhere to the requirements of items c through g of the RP 7 as described in Section 2.3 401 / 404 Regional Permit 7 Category I Requirements.

APPENDIX 4
FINDING OF NO SIGNIFICANT IMPACT

FINDING OF NO SIGNIFICANT IMPACT

STORMWATER IMPROVEMENT PROJECT FOR THE VILLAGE OF RICHTON PARK, COOK COUNTY, ILLINOIS

The U.S. Army Corps of Engineers, Chicago District (USACE) has conducted an environmental assessment in accordance with the National Environmental Policy Act of 1969, as amended. The Environmental Assessment (EA) dated 11 May 2020, for the Stormwater Improvement Project that addresses the frequent flooding along Governors Highway and Sauk Trail in the Village of Richton Park, Cook County, Illinois.

The draft EA, incorporated herein by reference, evaluated various alternatives that would reduce the incidences of flooding in the study area. The recommended plan is Alternative 4: Upstream Stormwater Detention- The preferred alternative includes the construction of an approximately 1.7 acre detention basin along the East Branch of Butterfield Creek in the Village of Richton Park, construction of an outlet pipe that would extend approximately 600 LF from the detention basin to the East Branch of Butterfield Creek, and the restoration of an approximately 900 LF reach of the East Branch of Butterfield Creek.

Five alternatives were considered to address this water main problem in Richton Park, Illinois.

- 1. No Action-** Under this alternative, no changes would be made to address the water main problem in the Village of Richton Park. The existing stormwater infrastructure would continue to be inadequate to handle moderate to severe storm event flows. This would lead to continued flooding along Governors Highway, a major thoroughfare in the area, as well as flooding within the Town Center Development area thereby hindering the economic and development goals of the Village for this location.
- 2. Parallel Channel Design with Integrated Wetland Corridor-** Under this alternative, proposed stormwater improvements would be centered on an approximately 900 LF channel reach of the East Branch of Butterfield Creek and flooding at the intersection of Governors Highway and Sauk Trail. A parallel channel to the existing channel would be constructed that would convey flows downstream of the Sauk Trail culvert. The parallel channel would effectively be located outside of the channel floodway and function as an independent channel during smaller wet weather events. An environmental survey conducted in late 2019 identified wetland areas that were extensive and often followed the East Branch of Butterfield Creek floodplain limits. The surveyed wetlands were effectively too extensive to properly accommodate the proposed parallel channel. These wetlands would have had additional design considerations and would have needed to be monitored and reported on for a minimum of 5 years. This additional environmental work and coordination would have increased project costs and negatively impacted the project timeline.
- 3. Wetland Avoidance Improvements-** Under this alternative, stormwater flows would be routed around wetland areas along the East Branch of Butterfield Creek channel via culverts along Governors Highway. While hydraulically this option would address flooding at Sauk Trail and Governors Highway, the more efficient conveyance of stormwater flows to the north would exacerbate the flooding at Governors Highway and the railroad tracks. Since this is an unacceptable outcome, this alternative was deemed unacceptable.

- 4. Upstream Stormwater Detention-** Under this alternative, a detention basin at the upstream end of the East Branch of Butterfield Creek within Village limits would be constructed to improve flooding conditions downstream. The constructed detention basin would be approximately 1.7 acres and 7 feet deep, which would provide enough detention volume so that flooding would be reduced within the Village limits and excess storage volume would be available for any future development within the Town Center Development area. In addition to construction of the detention basin, this alternative includes the construction of an outlet pipe that would extend approximately 600 LF from the detention basin to the East Branch of Butterfield Creek, and restoration of an approximately 900 LF reach of the East Branch of Butterfield Creek to improve instream hydraulics. Restoration would include the removal of artificial substrates (i.e., riprap and broken concrete), slight grading of the channel banks, placement of topsoil (repurposed from the excavation of the detention basin) along the channel banks as a growth medium, and planting of native vegetation along the channel banks. The restoration of the channel would not include straightening or deepening of the channel. This alternative would address existing infrastructure issues causing flooding issues at Governors Highway and Sauk Trail within the vicinity of the Town Center Development.
- 5. Improve Existing Corridor Infrastructure-** Under this alternative, improvements would be implemented along an approximately 900 LF reach of the East Branch of Butterfield Creek to enhance channel function; however, this would not solve flooding issues at Governors Highway and Sauk Trail, as well as some of the other problems listed under Need for Action in Section 1. This approach was deemed to be insufficient and so will not be considered for this project.

For all alternatives, the potential effects were evaluated, as appropriate. A summary assessment of the potential effects of the recommended plan are listed in Table 1 below.

Table 1: Summary of Potential Effects of the Recommended Plan

	Insignificant effects	Insignificant effects as a result of mitigations	Resource unaffected by action	Positive Effects
Aesthetics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Air quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aquatic resources/wetlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Invasive species	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fish and wildlife habitat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Threatened/Endangered species/critical habitat	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Historic properties	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other cultural resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Floodplains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Insignificant effects	Insignificant effects as a result of mitigations	Resource unaffected by action	Positive Effects
Hazardous, toxic & radioactive waste	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydrology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Land use	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Navigation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Noise levels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public infrastructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Socio-economics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Environmental justice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tribal trust resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Climate change	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

xxxAll practicable and appropriate means to avoid or minimize adverse environmental effects were analyzed and incorporated into the recommended plan. No compensatory mitigation is required as part of the recommended plan.

Public review of the draft EA and FONSI was completed on **7 August 2020**. All comments submitted during the public review period are responded to in the Final EA and FONSI.

ENDANGERED SPECIES ACT

Pursuant to section 7 of the Endangered Species Act of 1973, as amended, the U.S. Army Corps of Engineers determined the recommended plan would have Not Likely to Adversely Affect determination for the northern long-eared bat (*Myotis septentrionalis*) and a No Effect to the following federally listed species or their designated critical habitat: the Hine's emerald dragonfly (*Somatochlora hineana*), piping plover (*Charadrius melodus*), red knot (*Calidris canutus*), the Eastern Massasauga (*Sistrurus catenatus*), the Rattlesnake-master Borer (Moth *Papaipemaeryngii*), Leafy Prairie-clover (*Dalea foliosa*), the Eastern prairie fringed orchid (*Platanthera leucophaea*), Prairie Bush-clover (*Lespedeza leptostachya*), and Mead's milkweed (*Asclepias meadii*). The project area contains no habitat likely to be used by any of these threatened species. USACE has asked for USFWS concurrence and anticipate that they will concur.

HISTORIC PROPERTIES NOT ADVERSELY AFFECTED:

Pursuant to section 106 of the National Historic Preservation Act of 1966, as amended, the U.S. Army Corps of Engineers determined that historic properties would not be adversely affected by the recommended plan. The Illinois Department of Natural Resources State Historic Preservation Office concurred with the determination in a letter dated April 15, 2020. Additionally, the Miami Tribe of Oklahoma and the Nottawaseppi Huron Band of the Potawatomi responded with a letter dated April 23, 2020 and April 13, 2020 respectively, that offered no objections to the project. However, they have requested to be contacted should archaeological resources be uncovered during the project. If any archaeological resources are uncovered we will contact the appropriate agencies and Native American parties.

THE CLEAN WATER ACT

Pursuant to Sections 401 and 404 of the Clean Water Act of 1972, as amended, the U.S. Army Corps of Engineers determined that a 401 water quality certification would be obtained prior to construction. The 404(b)(1) analysis concludes that the proposed infrastructure project does not constitute a significant impact to Waters of the US, and mitigation is not required.

COASTAL ZONE MANAGEMENT ACT

A determination of consistency with the Illinois Coastal Zone Management program pursuant to the Coastal Zone Management Act of 1972 is not required for this project as the project area is located outside of the Coastal Zone Management area of Illinois and does not require a Federal Consistency determination.

All applicable laws, executive orders, regulations, and local government plans were considered in evaluation of alternatives. Based on this report, the reviews by other Federal, State and local agencies, Tribes, input of the public, and the review by my staff, it is my determination that the recommended plan would not cause significant adverse effects on the quality of the human environment; therefore, preparation of an Environmental Impact Statement is not required.

Date

Aaron W. Reisinger
Colonel, Corps of Engineers
District Commander

APPENDIX 5
Hazardous, Toxic, and Radioactive Waste Report



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PHASE I ENVIRONMENTAL SITE ASSESSMENT 22356-22400 Governors Highway Richton Park, Cook County, Illinois

April 20, 2020

File No. 81.0220064.07



PREPARED FOR:

Clark Dietz Inc.

Huff & Huff, Inc.,

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EXECUTIVE SUMMARY

The Village of Richton Park also referred to herein as “Client” or “User” retained Huff & Huff, Inc. a subsidiary of GZA GeoEnvironmental, Inc. (H&H/GZA) to perform a Phase I Environmental Site Assessment (ESA) of the target property located at 22356-22400 Governors Highway, Richton Park, Cook County, Illinois (hereafter referred to as the “Site”). H&H/GZA performed this Phase I ESA at the request of the Client as a requirement for a Section 219 Grant that the Village received from the U.S. Army Corps of Engineers.

This Phase I ESA was performed in general conformance with the scope and limitations of ASTM International’s Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process – E1527-13 (ASTM E1527-13), and included our visual observation of the Site; a review of historical information, environmental databases, and information provided by the User; and interviews with current Site representatives. Limiting conditions and/or deviations from ASTM E1527-13 are described in **Sections 1.4** and **6.0** of this Phase I ESA Report. H&H/GZA prepared this Phase I ESA Report in conformance with the limitations presented in **Section 14.0** and with the scope of our proposal dated March 5, 2020, which is included in **Appendix A**.

The Site consists of two vacant parcels located at 22356-22400 Governors Highway with the following PINs, 31-34-206-008-0000 and 31-34-206-007-0000. The parcels are located adjacent to the west side of Governors Highway approximately 175 feet south of Sauk Trail Intersection measuring approximately 12.95 acres. A drainage ditch runs in a north-south direction along the eastern boundary of the northern portion of the Site which connects to the wetland within the middle of the southern portion of the Site. The Site is currently used as a storm water drainage ditch and as vacant land.

Based on the findings of our Phase I ESA and on our professional judgment, H&H/GZA has identified the following in connection with the Site:

Recognized Environmental Conditions (REC)

This Phase I ESA revealed evidence of two RECs in connection with the Site.

- The property adjoining to the west, located at 22340-22420 Governors Highway. The property is considered to contain a REC due to the unknown location of a UST with an associated LUST and SPILLS database listings, and the proximity of the current building location within approximately 50 feet of the Site.
- The property adjacent to the east located at 22429 Governors Highway. The property is considered to contain RECs due to the potential location of four historical USTs to the Site and uncertainties with the management practices associated with the historic removal of the of the USTs.

Controlled Recognized Environmental Conditions (CREC)

This Phase I ESA revealed no evidence of CRECs in connection with the Site.

Historical Recognized Environmental Conditions (HREC)

This Phase I ESA revealed no evidence of HRECs in connection with the Site.



Business Environmental Risks (BER)

This Phase I ESA revealed no evidence of BERs in connection with the Site.

De Minimis Conditions

In H&H/GZA's opinion, the disturbed/graded area associated with the former stream channel at this historically undeveloped property is considered a *de minimis* condition in connection with the Site.

Data Gaps and Their Significance

In H&H/GZA's opinion, based on the information made available during this assessment, significant data gaps were not identified that affected our ability to identify RECs, CRECs, or HRECs at the Site.



1.0 INTRODUCTION

This Phase I Environmental Site Assessment Report (Phase I ESA Report) presents the field observations, results, and opinions of a Phase I ESA conducted by Huff & Huff, Inc. a subsidiary of GZA GeoEnvironmental, Inc. (H&H/GZA) for Clark Dietz Inc. also referred to herein as “Client” or “User” for the property located at 22356-22400 Governors Highway, Richton Park, Cook County, Illinois (hereafter referred to as the “Site”). H&H/GZA prepared this Phase I ESA Report in conformance with the limitations presented in **Section 14.0** and with the scope of our Task Order dated March 5, 2020, which is included in **Appendix A**. This Phase I ESA Report is subject to modification if H&H/GZA or other party develops subsequent information.

1.1 REASON FOR PERFORMING THE PHASE I ENVIRONMENTAL SITE ASSESSMENT

H&H/GZA understands that this Phase I ESA was requested as part of environmental due diligence as a requirement for a Section 219 Grant that the Village received from the U.S. Army Corps of Engineers. We understand that this Phase I ESA is not funded with a federal grant under the U.S. Environmental Protection Agency (EPA) Brownfield Assessment and Characterization Program or the U.S. Small Business Administration, and that an evaluation of controlled substances at the Site is not required.

1.2 PROJECT OBJECTIVES

H&H/GZA designed the Scope of Services described below in general conformance with ASTM International’s Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process – E1527-13 (ASTM E1527-13). The objectives of this Phase I ESA were:

- To render an opinion as to whether surficial or historical evidence indicates the presence of recognized environmental conditions (RECs) that could result in the presence of hazardous substances or petroleum products in the environment, as defined in ASTM E1527-13; and
- To permit the User of this Phase I ESA to satisfy the requirements for qualifying for certain Landowner Liability Protections under the Comprehensive Environmental Response, Compensation, and Liability Act.

1.3 DEFINITIONS

As defined in ASTM E1527-13:

- A REC indicates “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.”
- The term “Controlled REC” (CREC) applies to a site that has reached regulatory closure with the implementation of an engineering control, such as an impermeable cap, and/or an institutional control, such as a deed restriction or property use restriction.
- A “historical recognized environmental condition” (HREC) is “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority, without subjecting the property to any required controls



(for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls.)”

- If regulatory standards have changed since the prior release was closed and the data used to close the case indicate hazardous substances or petroleum products are or are likely to be on the Site at concentrations greater than their respective regulatory standard(s) for unrestricted land use, then GZA will identify the historical (previously closed) release as a REC.
- A “*de minimis*” condition, as defined by ASTM E1527-13, is “a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.” ASTM E1527-13 does not consider *de minimis* conditions RECs.
- A data gap refers to a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice. A data gap is only significant if other information and/or professional experience raises reasonable concerns involving the data gap.
- A business environmental risk (BER) is a risk that can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated under ASTM E1527-13. Consideration of BERs, for example, may involve addressing one or more non-scope considerations outlined in ASTM E1527-13. Common non-scope environmental business risk items referred to include: asbestos, lead paint, lead and arsenic in drinking water, radon, wetlands, cultural and historical resources, regulatory compliance, industrial hygiene, health and safety, indoor air quality, mold, etc.

1.4 SCOPE OF SERVICES

H&H/GZA’s Scope of Services consisted of the following activities:

- A review of federal and State regulatory agency databases for the Site and the minimum search distance from the Site;
- Contact with certain local regulatory agencies to inquire about environmental conditions at the Site and in its vicinity;
- A review of the Site history through available Standard Historical Sources;
- A site reconnaissance to observe current Site conditions for evidence of recognized environmental conditions;
- The completion of a reconnaissance of the Site vicinity;
- A review of adjoining properties to identify the use of hazardous substances or petroleum products;
- Interview with the key site manager, regarding the current and past Site usage and facility operations; and
- The preparation of this Phase I ESA Report of our findings.

There were no significant deviations from ASTM E1527-13.



This Phase I ESA does not include an evaluation of environmental issues or conditions that ASTM E1527-13 considers non-scope considerations. In addition, it should be noted that, while ASTM E1527-13 includes an evaluation of the potential migration of vapors in the subsurface that originate from hazardous substances or petroleum products, it does not require Vapor Encroachment Screening as defined in ASTM guidance E2600.

2.0 DESCRIPTION OF SITE AND VICINITY

H&H/GZA obtained the following information resulting from its site reconnaissance, its research, and from interviews with people knowledgeable about the Site. Photographs depicting Site conditions during H&H/GZA’s reconnaissance are presented in Appendix B.

2.1 SITE LOCATION

The Site is located in Richton Park, Illinois, adjacent to the west side of Governors Highway approximately 175 feet south of the intersection of Governors Highway and Sauk Trail. The approximate center of the Site is located at 41.4811° latitude and -87.7141° longitude. Based on the information obtained from the Cook County Tax Assessor’s website and an environmental lien search, the Site is located within the following tax parcel:

Parcel Number	Parcel Address	Parcel Size
31-34-206-008-0000	22358 Governors Highway, Richton Park	0.78 acres
31-34-206-007-0000	22400 Governors Highway	12.17 acres

The Site map and legal description are provided in Appendix C. A topographic map showing the location of the Site is provided as Figure 1-1. A map depicted the parcels as shown on the Cook County Tax Assessor’s website is provided as Figure 1-3.

2.2 DESCRIPTIONS OF SITE AND SITE BUILDINGS

The Site consists of vacant parcels of land adjacent to the west side of Governors Highway approximately 175 feet south of the intersection of Governors Highway and Sauk Trail. The Site is approximately 12.95 acres. A drainage ditch is present along the eastern boundary of the northern portion of the Site which connects with a wetland area within the middle of the southern portion of the Site. The Site is currently used as a storm water drainage ditch with additional vacant areas of land. At the time of the Site reconnaissance, there were no buildings located on the Site.

The following entities provide utilities to the Site:

Service	Provider
Electricity	N/A vacant land
Natural Gas	N/A vacant land
Drinking Water	N/A vacant land
Sanitary Sewer Services	N/A vacant land
Other Services	None observed



2.3 CURRENT SITE USE

At the time of H&H/GZA’s Site reconnaissance, the Site was vacant and was in use as a stormwater drainage ditch along the northern portion of the site along Governors Highway.

2.4 ADJOINING PROPERTIES

The following table lists the properties that adjoin the Site and describes their current use.

Direction	Street Address/Location	Name (as applicable) and Current Use
North	22300 Governors Highway – Southwest corner of Sauk Trail and Governors Highway	Vacant lot
South	N/A	Vacant undeveloped land
East	Governors Highway	Adjoining to Governors Highway to the east are commercial properties
West	22332 Governors Highway	United States Postal Service, Laundry World, Dollar General, Western Union

Although the adjoining properties may store and use hazardous substances and/or petroleum products, no evidence of such storage or usage was observed at these properties as viewed from the Site or publicly accessible areas.

2.5 VICINITY PROPERTIES

As part of this Phase I ESA, H&H/GZA performed a reconnaissance of the Site vicinity. The Site vicinity consists of commercial / vacant properties to the north, east, and west, with a wooded area to the south, beyond which is wooded and agricultural land. A vacant lot is located adjoining to the north, which was historically used as a gas station, and a vacant commercial lot is located adjoining to the site to the east of Governors Highway with a railroad located to the east of the vacant lot. Residential properties are located west of the southern portion of the Site.

3.0 **ENVIRONMENTAL SETTING**

Section 3.0 provides information regarding the general physiographic, hydrogeologic, hydrologic, and soil conditions in the area of the Site.

3.1 REGIONAL PHYSIOGRAPHY

Based on a review of the Steger and Harvey Quadrangles, Illinois, United States Geological Survey (USGS) Topographic Map (2015), the Site is situated at an approximate elevation of 720 feet above mean sea level. The surface of the Site slopes downwards towards the drainage ditch, with the overall topography of the area sloping to the north/northeast, resulting in the drainage ditch flowing north to the Sauk Trail and Governors Highway intersection.



3.2 GEOLOGIC, HYDROGEOLOGIC, AND HYDROLOGIC CONDITIONS

The ISGS published a map titled “Potential for Contamination of Shallow Aquifers in Illinois” (a.k.a. “Berg Map”; Berg et al, 1984). The system used to develop the map evaluates the general ability of the upper horizons of soil to contain and attenuate contaminants resulting from activities occurring above or within those soil horizons. Soils with the least potential for containment and attenuation allow shallow water, and thereby contaminants, to move through them rapidly. As the potential for containment and attenuation increases, the potential for aquifer contamination decreases. The Berg Map indicates that the geology at the Site is primarily as follows:

- E – Uniform, relatively impermeable silty or clayey till at least 50 ft thick; no evidence of interbedded sand and gravel.

This description is associated with low conductivity materials which are anticipated to limit the potential for aquifer contamination. The general Site location has been mapped onto the Berg Map and can be found in **Appendix C**.

Based on the Soil Survey of Cook County, Illinois, and USGS geology information, the Site is underlain by varying thicknesses and layers of clay loam and silty clay loam of the Darroch complex, underlain by Silurian bedrock. Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted. The soil map and USGS geology maps are included in the Environmental Risk Information Services (ERIS) Physical Setting Report provided in **Appendix C**.

Based on local topography and surface water flow patterns, the inferred direction of groundwater flow is north toward the low area and the drainage ditch along the eastern side of the property. However, the localized direction of groundwater flow near the Site might vary because of underground utilities, subsurface preferential pathways, variations in weather or heterogeneous geological and/or anthropogenic conditions. We subsequently refer to upgradient and downgradient properties in this Phase I ESA Report based on the inferred direction of groundwater flow to the southeast.

4.0 **HISTORICAL USE INFORMATION**

The Site history was developed from “Standard Historical Sources” as defined in ASTM E1527-13, available files at the Illinois Environmental Protection Agency (IEPA) Document Explorer website, and interviews with knowledgeable parties. We include a historical summary at the beginning of **Section 4.0** of this Phase I ESA Report. Specific information obtained from Standard Historical Sources is contained in following subsections, and **Appendix C** includes copies of relevant historical documents.

4.1 SITE AND AREA HISTORY SUMMARY

The Site has been vacant since 1930 (the earliest available depiction of the Site). A small stream appears to run north through the Site to the drainage ditch along the eastern edge of the Site. The surrounding area consisted of farmland with sparse residential development until the 1960s and 1970s, when an increase in commercial and residential development is apparent on the historical aerial photographs and topographic maps in the surrounding vicinity of the Site.

An environmental lien and deed restriction search was conducted by Advanced Searched Environmental Specialists on March 24, 2020. The search did not identify any environmental liens or deed restrictions.



The historical information was reviewed, and environmental concerns were not identified to have the potential to impact the Site.

4.2 AERIAL PHOTOGRAPH REVIEW

H&H/GZA consulted historical aerial photographs provided by ERIS. The table below contains H&H/GZA’s description of the Site and adjoining properties as shown in the aerial photographs.

Year	Scale	Description of Site	Description of Adjoining Properties
1938	1" = 500'	The Site is vacant and appears to be in use as agricultural land. A stream is present across the central portion of the Site.	Governors Highway is present adjoining to the east and the railroad to the east is present. The surrounding land is in use as agricultural land.
1952	1" = 500'	The Site appears generally consistent with the 1938 aerial photograph. A stream is present running southwest to northeast within the Site.	The adjoining properties appear generally consistent with the 1938 aerial photograph. Large ASTs are present approximately 1,100 feet south of the Site
1962	1" = 500'	The Site appears generally consistent with the 1952 aerial photograph.	The adjoining properties to the east are developed with apparent industrial / warehouse buildings. Additional ASTs are apparent to the southwest of the Site.
1973	1" = 500'	The Site appears generally consistent with the 1962 aerial photograph. The former stream appears to be channelized into the drainage ditch on the northern portion of the Site.	A gas station is located adjoining to the north of the Site and adjoining to the north east. A large commercial building is located adjoining to the west of the Site. Apparent commercial structures are present on the adjoining southern property. Significant development has taken place in the vicinity
1984	1" = 500'	The Site appears generally consistent with the 1973 aerial photograph.	The area appears generally consistent with the 1973 aerial photograph. The adjacent southern commercial structures appear to have been razed.
1987, and 1993	1" = 500'	The Site appears generally consistent with the 1984 aerial photograph.	The area appears generally consistent with the 1984 aerial photograph.
1999	1" = 500'	The Site appears generally consistent with the 1993 aerial photograph. Southern portion of the Site is wooded.	A residential development is under construction adjoining to the west. A building located to the east is no longer present.
2005, 2006, 2007, 2009, 2010, 2011, 2012, 2014, 2015, 2017, 2019	1" = 500'	The Site appears generally consistent with the 2005 aerial photograph. Some soil disturbance is visible on the east side of the Site in the 2006, 2007, and 2009 aerial photographs.	The adjoining properties appear generally consistent with the 1999 aerial photograph. The ASTs located south of the Site are no longer present in the 2009 aerial photograph.



4.3 FIRE INSURANCE MAPS

H&H/GZA requested historical fire insurance maps from ERIS. ERIS was unable to locate historical fire insurance maps for the Site or adjacent properties. Refer to **Appendix C** for the letter provided by ERIS.

4.4 PROPERTY TAX FILES

H&H/GZA consulted property tax files available at the Cook County Assessor’s Office website. The Site is located within two parcels with the address 22358 Governors Highway, Richton Park (31-34-206-008-0000) and 22400 Governors Highway, Richton Park (31-34-206-007-0000). The Cook County Assessor’s Office does not list owners for the two parcels, but the lien search lists the Village of Richton Park and RMS Properties, LLC, as owners of the parcels that combined occupy 12.95 acres.

4.5 RECORDED LAND TITLE RECORDS

The Client did not provide H&H/GZA with an abstract of title for its review, and a title search was not included in the scope of this Phase I ESA. The ERIS database did not identify AULs or other institutional or engineering controls associated with the Site. An environmental lien and deed restriction search was conducted by Advanced Searched Environmental Specialists on March 24, 2020. The search did not identify any environmental liens or deed restrictions.

4.6 HISTORICAL USGS TOPOGRAPHIC MAPS

H&H/GZA reviewed historical USGS topographic maps provided by ERIS. The table below contains H&H/GZA’s description of the Site and adjoining properties as shown on the historical topographic maps.

Year	Description of Site	Description of Adjoining Properties
1930, 1949,	The Site is undeveloped. A stream is shown running in a northeast-southwest direction east of the Site.	The adjoining properties are undeveloped. A railroad is shown to the east of the Site.
1953	The Site is undeveloped. A stream is shown running through the Site.	A building is shown adjoining to the Site to the northeast. Buildings are shown in the vicinity of the Site.
1973, 1978	The Site is generally consistent with the 1953 topographic map.	Commercial buildings are shown adjacent to the north, east, and west of the Site. Small buildings residential buildings are shown adjoining to the south. Residential neighborhoods are depicted in the surrounding vicinity to the north.
1990	The Site is generally consistent with the 1978 topographic map.	The adjoining properties are generally consistent with the 1978 topographic map. Further development has taken place in the surrounding vicinity.
1998	The Site is generally consistent with the 1990 topographic map.	The adjoining properties appear generally consistent with the 1990 topographic map. East of the Site is depicted grey to show developed land.



Year	Description of Site	Description of Adjoining Properties
2015	The Site is generally consistent with the 1998 topographic map.	The surrounding vicinity is depicted grey to show developed land.

4.7 CITY DIRECTORIES

City directory reviews were not included in the scope of this assessment, as the historical land use information was available from other sources.

4.8 BUILDING DEPARTMENT RECORDS

H&H/GZA requested access to building and permit records available at the Village of Richton Park through a Freedom of Information Act (FOIA) request. At the time of the report the Village of Richton Park has not responded to the FOIA request. If information is received within three months of the report completion date that alters the conclusions of this report, the information will be provided to the Client.

4.9 OTHER HISTORICAL RECORDS

H&H/GZA submitted FOIA requests to the Illinois Environmental Protection Agency (IEPA) and the Illinois Office of the State Fire Marshal (OSFM), as well as searched the Illinois Environmental Protection Agency (IEPA) Document Explorer website, and the Illinois Office of the State Fire Marshal (OSFM) online database for significant historical information on the Site such as: any chemical spills or fires at the Site, underground storage tank (UST) or above ground storage tank (AST) records, environmental inspection reports, zoning/land use records, building registration records, building permits, and demolition permits.

As of the date of this report, H&H/GZA has not received a response to our request from the IEPA or OSFM. If information is received within three months of the report completion date that alters the findings of this report, the information will be provided to the Client.

5.0 PREVIOUS SITE INVESTIGATIONS

H&H/GZA requested information regarding previous site investigations from the Client. According to the Client, no such documentation was available.

6.0 SITE RECONNAISSANCE

The purpose of H&H/GZA's site reconnaissance was to observe current Site conditions for evidence of recognized environmental conditions (RECs) that could result in the presence of hazardous substances or petroleum products in the environment at the Site. H&H/GZA Environmental Scientist, Mr. Patrick Lunt, conducted a site reconnaissance at the Site on March 21, 2020. H&H/GZA documented observations and photo-documented pertinent features and/or areas of environmental concern, which we reference in this Phase I ESA Report. Select photographs are included in **Appendix B. Figure 1-2 - Site Layout Map** depicts the pertinent Site features.



Site conditions encountered did not limit H&H/GZA’s Site reconnaissance.

The User Questionnaire was completed by Mr. Chris Gutkowski is included in **Appendix E**.

The Key Site Manager Questionnaire was completed by Mr. Pete Saunders and is included in **Appendix E**.

The following table discusses features of potential environmental concern that we identified at the Site.

Feature	Description
<i>Aboveground storage tank (AST) systems</i>	None observed or reported to H&H/GZA
<i>Underground storage tank (UST) systems</i>	None observed or reported to H&H/GZA
<i>Chemical or petroleum storage or handling areas</i>	None observed or reported to H&H/GZA
<i>Chemical waste or petroleum waste storage or handling areas</i>	None observed or reported to H&H/GZA
<i>Dumpsters</i>	None observed or reported to H&H/GZA
<i>Floor drains, trenches, sumps, and associated piping</i>	None observed or reported to H&H/GZA
<i>Oil/water separators</i>	None observed or reported to H&H/GZA
<i>Storm water drains, grates, and associated piping</i>	None observed or reported to H&H/GZA
<i>Drainage swales, culverts, impoundments, and surface water bodies</i>	Drainage ditch currently running north along the eastern edge of the Site.
<i>Septic systems, leach fields, seepage pits, and dry wells</i>	None observed or reported to H&H/GZA
<i>Open pipe discharges</i>	None observed or reported to H&H/GZA
<i>Landfills and solid waste dumping</i>	None observed or reported to H&H/GZA
<i>Historical fill or other fill material</i>	None observed or reported to H&H/GZA
<i>Staining or stressed vegetation</i>	None observed or reported to H&H/GZA
<i>Electrical transformers or capacitors</i>	None observed or reported to H&H/GZA
<i>Hydraulic equipment, including lifts, elevators, and compactors</i>	None observed or reported to H&H/GZA
<i>Active or inactive production wells</i>	None observed or reported to H&H/GZA
<i>Monitoring wells, former boreholes, or other evidence of environmental investigations</i>	None observed or reported to H&H/GZA
<i>Other observations potentially indicative of the presence of RECs</i>	None observed or reported to H&H/GZA

7.0 REGULATORY DATABASE REVIEW

H&H/GZA assembled the information in this section based on public information obtained from various federal, state, and local agencies that maintain environmental regulatory databases.



7.1 FEDERAL AND STATE ENVIRONMENTAL RECORD SOURCES

Federal and state databases were searched by ERIS, a professional data search company, and search results were provided to H&H/GZA in a report dated March 17, 2020. The following table summarizes the databases searched by ERIS, the minimum search distances from the Site, and the number of properties that appear on the database within the minimum search distances used. Descriptions of the federal and state databases, and the dates that ERIS accessed the federal and state databases, are provided in ERIS's report (see **Appendix D**).

Federal and State List	Approximate Minimum Search Distance ¹	# Sites Within Search Distance	Site and Adjoining Properties	Other Potential Sites of Concern
NPL	1 mile	0	0	0
Delisted NPL	½ mile	0	0	0
SEMS	½ mile	0	0	0
SEMS ARCHIVE	½ mile	0	0	0
RCRA CORRACTS	1 mile	0	0	0
RCRA-TSD	½ mile	0	0	0
RCRA-CESQG/SQG/LQG	Site and adjoining properties	3	0	
RCRA-NON GEN	Site and adjoining properties	1	0	
CERCLIS	½ mile	0	0	0
CERCLIS-NFRAP	½ mile	0	0	0
Federal Brownfields	½ mile	1	1	
Federal IC/EC Registries	Site only	0	0	
Federal Drycleaners	¼ mile	1	1	
ERNS	Site only	0	0	
State Equivalent NPL	1 mile	N/A	N/A	N/A
State Equivalent CERCLIS – Illinois EPA State Sites Unit (SSU)	½ mile	1	1	0
Special Waste Site List (SWF)	½ mile	0	0	0
State Landfill and/or Solid Waste Disposal Site - NIPC	½ mile	0	0	0
Leaking Underground Storage Tanks (LUSTs)	½ mile	8	3	0
Delisted LUST	½ mile	0	0	0
Registered USTs	¼ mile	4	4	
State IC/EC Registries	¼ mile	1	1	
IEMA Spills and Incidences (SPILLS)	Site and adjoining properties	0	0	0
Site Remediation Program (SRP)	½ mile	1	1	0
Brownfield Cleanup Program Sites	½ mile	1	1	0
Dry Cleaners	¼ mile	2	0	0

¹The approximate minimum search distance indicates the minimum distance measured from the nearest Site boundary for which ERIS performed the database review.



7.2 LISTINGS FOR SITE AND ADJOINING PROPERTIES

No database listings were present for the Site and the table shows the adjoining properties and their corresponding ERIS identification numbers. The sites are further discussed below.

Location	Address	Associated ERIS Map ID(s)
Adjoining North	22300 Governors Highway	4
Northeast	22301 Governors Highway	5
Adjoining East	22429 Governors Highway	1
Adjoining West	22340-22420 Governors Highway	2, 3

North

The adjoining property to the north of the Site is listed at 22300 Governors Highway, located adjoining to the north of the Site, and under the names “Marathon Oil Co.” and “Speedway Super America #8302”. At the time of site reconnaissance, the property was vacant. The property is associated with the RCRA Non-Gen, LUST, UST, SPILLS, and LUST Document (LUST incident numbers 20031239 & 911672) databases. The site is listed in the RCRA Non-Gen database for ignitable waste and benzene, the site does not have a record of violations. The site listed in the UST database and associated with the following:

- Three 10,000 – gallon gasoline tanks; removed on August 19, 2003.
- Two 6,000 – gallon gasoline tanks; removed on June 1, 1991 & August 19, 2003.
- One 8,000 – gallon gasoline tank; removed on June 1, 1991.
- One 1,000 – gallon kerosene tank; removed on August 19, 2003.
- One 550 – gallon tank; removed on June 1, 1991.

H&H/GZA reviewed select information available on the IEPA document explorer website. A Corrective Action Completion Report (CACR) completed by Practical Environmental Consultants, Inc. (2007) contained a map depicting the location of former USTs and associated impacts. The impacts were depicted as restricted to a small area approximately 55 feet north from the site limited to near the former pumping stations and USTs. The CACR further depicted groundwater flow at the property to be to the northeast. Neither of the soil borings nor the monitoring wells along the southern property were reported to contain detectable levels of contaminants of concern. The soil borings along the southern border did not have detections of constituents above the laboratory reporting limits. No Further Remediation (NFR) letters were received for the property on December 4, 2007, and January 30, 2008. A former UST is located approximately 30 feet north of the Site, and the tank has no reported release and is shown in the CACR Map. Highway authority agreements were reached with the Illinois Department



of Transportation and Cook County for the portion of Sauk Trail adjacent to the north of the property and for the portion of Governors Highway adjacent to the east of the Site to prohibit the use of groundwater from underneath the highway right-of-way, and to limit the access to soil contamination underneath the highway right-of-way. An industrial-commercial use restriction was placed on the property as well as a groundwater use restriction for potable water from beneath the site is restricted.

Northeast

The property to the northeast of the Site, east of Governors Highway, is listed as 22301 Governors Highway, located adjoining to the north of the Site on the east side of Governors Highway, and under the names “Sparks Auto Repair” and “Village of Richton Park”. At the time of site reconnaissance, the property was vacant. The property is associated with the SSU, Brownfield, LUST, SRP, INST/ENG, UST, Rem Assess, and SPILLS databases. The site is listed in the UST database for the following:

- Two 550 – gallon heating/waste oil tanks; removed on October 15, 2009.

Per the Remedial Action Completion Report from 2011 one of the heating oil tanks was located in the north eastern portion of the property with another UST depicted as centered within the property along the southern border. The map also depicts former gasoline USTs located at the southwestern corner of the property and former pump islands along the eastern boarder north of the former USTs. Soil samples were reportedly collected throughout the site and the soil borings located at the southwestern corner of the property had low level of detections of benzene, ethylbenzene, and xylenes below the Tier 1 remediation objectives and detections of naphthalene above the Tier 1 construction worker inhalation objectives. An institutional control in the form of an engineered barrier was required and implemented. Per the SRP Reports NFR letter, received January 26, 2012, the groundwater at the property is restricted prohibiting installation of potable water wells. An engineering control was put in place which consisted of a clean soil and stone barrier which is comprised of a minimum of 10 feet of clean soil and stone covering the contaminated portion located in the southwest portion of the property, which is approximately 110 feet northeast from the Site. The mitigation of the site included the removal of the affected soil near the former waste oil UST.

East

One of the adjoining properties to the east of the site is listed at 22429 Governors Highway, and under the name “Oasis Station #1078” and is listed in the UST database for the following:

- Two 10,000 – gallon gasoline tanks; Removed on August 5, 1986.
- One 12,000 – gallon gasoline tank; Removed on August 5, 1986.
- One 1,000 – gallon tank with an unknown substance; Removed on December 15, 1989.

No LUST reports or violations were reported to the Illinois State Fire Marshal. Per the 1973 historical aerial photograph a commercial building was present within the property and was no longer present in the 1999 historical aerial photograph. At the time of site reconnaissance, the property was vacant with a concrete slab. This property is considered a REC due to the unknown location of previously mentioned USTs and the historical removal of the USTs. Removal practices associated with these USTs are unknown; however, USTs removed during the time period were commonly variable and were not subject to sampling and assessment procedures currently followed as part of UST removals. The property is also considered to be upgradient of the Site.



West

The property located adjoining to the west and is listed at 22340-22420 Governors Highway and under names “Ames Department Store” and “Poplar Cleaners”. During site reconnaissance the property was identified as a strip mall with multiple occupants. The drycleaner is no longer present and is assumed to be replaced by a laundromat. The storefronts are located approximately 330 feet west of the Site, across the parking lot. The property was also listed in the LUST, UST, SPILLS, and RCRA SQG databases. The property is listed in the RCRA SQG for the hazardous wastes tetrachloroethylene, and spent halogenated solvents. The SQG listing is not associated with a record of violations. The LUST and SPILLS listings are related to the release of an unknown amount of waste oil from an underground storage tank and was reported on January 1, 1993. An NFR letter was received for the site on June 3, 1993. The site is listed the UST database for a 500 – gallon used oil tank. No records are available on the IEPA document explorer to show the extent of the release. This site is considered a REC because of the unknown location and extent of release of used oil to flow onto the Site because of the close proximity of the building to the north of the southern portion of the Site. As of the date of this report, H&H/GZA has not received a response to our request from the IEPA or OSFM. If information is received within three months of the report completion date that alters the findings of this report, the information will be provided to the Client.

7.3 LISTINGS FOR OTHER VICINITY PROPERTIES

The following properties are of potential concern to the Site:

Property Name and Address	Distance/Direction from Site	Map ID	Database(s)
Howards Auto Care 4035 Sauk Trail	250 ft, West	6	RCRA CESQG
Richton Drycleaners Eagle 4020 Sauk Trail	360 ft, Northwest	7	RCRA SQG, Fed Drycleaners
Friendly Truck Sauk Trail and Richton Road	550 ft, Northeast	9	SPILLS, SPILLS2

It is H&H/GZA’s opinion that the database listings for the properties listed above do not represent an REC for the Site based on no incidents reported, no further remediation (NFR) status/closure achieved, and/or separation distance from the Site.

7.4 EVALUATION OF UNMAPPED PROPERTIES

The ERIS database report identified three (3) unmapped or “orphan” sites in the unplotable section of the database report. The sites were located to be an underground pipeline located approximately ½ mile south of the Sauk Trail and Governors Highway and approximately 0.13 miles south of the Site.

7.5 REGULATORY FILE REVIEW

H&H/GZA requested files from IEPA, USEPA, OSFM, and the Village of Richton Park for significant historical information on the Site and the western adjoining property such as: any chemical spills or fires at the Site, UST or AST records, environmental inspection reports, zoning/land use records, building registration records, building permits, and demolition permits. The Village of Richton Park has not responded to the request at the time of the writing of the report. See **Appendix E** for the FOIA response.



As of the date of this report, H&H/GZA has not received a response to our request from USEPA or OSFM. If information is received that alters the findings of this report, an addendum will be sent to the Client.

H&H/GZA utilized the IEPA Document Explorer website to access FOIA information directly online. Records were found for adjoining properties on this website and utilized.

8.0 INTERVIEWS

No interviews were conducted in the completion of the Phase I report.

9.0 USER-PROVIDED INFORMATION

H&H/GZA requested information from the Client regarding title information, environmental liens, Activity and Use Limitations, and specialized knowledge or commonly known information regarding the Site and, if applicable, the reason for a significantly discounted purchase price. The completed User Questionnaire is provided in **Appendix E**.

10.0 NON-ASTM E1527-13 CONSIDERATIONS

This Phase I ESA does not include an evaluation of environmental issues or conditions that ASTM E1527-13 stipulates as non-scope considerations.

11.0 FINDINGS AND CONCLUSIONS

H&H/GZA performed a Phase I ESA in general conformance with the scope and limitation of ASTM E1527-13 for the property located at 22356-22400 Governors Highway, Richton Park, Illinois. Exceptions to this practice are described in **Section 1.4** of this Phase I ESA Report.

11.1 RECOGNIZED ENVIRONMENTAL CONDITIONS (REC)

In H&H/GZA's opinion, this Phase I ESA revealed evidence of two RECs in connection with the Site.

- The property adjoining to the west, located at 22340-22420 Governors Highway. The property is considered to contain a REC due to the unknown location of a UST with an associated LUST and SPILLS database listings, and the proximity of the current building location within approximately 50 feet of the Site.
- The property adjacent to the east located at 22429 Governors Highway. The property is considered to contain RECs due to the potential location of four historical USTs to the Site and uncertainties with the management practices associated with the historic removal of the of the USTs.

The RECs are depicted on **Figure 11-1**.



11.2 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CREC)

In H&H/GZA’s opinion, this Phase I ESA revealed no evidence of CRECs in connection with the Site.

11.3 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HREC)

In H&H/GZA’s opinion, this Phase I ESA revealed no evidence of HRECs in connection with the Site.

11.4 DE MINIMIS CONDITIONS

In H&H/GZA’s opinion, this Phase I ESA revealed no evidence of *De Minimis* Conditions in connection with the Site.

11.5 DATA GAPS AND THEIR SIGNIFICANCE

This Phase I ESA encountered no data gaps, as defined by ASTM E1527-13.

11.6 NON-ASTM E1527-13 CONSIDERATIONS

No non-ASTM E1527-13 considerations were evaluated as part of H&H/GZA’s Scope of Services.

11.7 BUSINESS ENVIRONMENTAL RISKS (BER)

In H&H/GZA’s opinion, this Phase I ESA revealed no evidence of BERs in connection with the Site.

12.0 REFERENCES

ASTM International, Designation: E1527 – 13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

Berg, R.C.; J.P. Kempton; and K. Cartwright, 1984, “*Potential for Contamination of Shallow Aquifers in Illinois*”, Illinois State Geological Survey Circular.

Environmental Risk Information Services (ERIS), March 17, 2020. Database Report, Report ID 20200313200, 22356-22400 Governors Highway, Richton Park, IL.

ERIS, March 17, 2020. Historical Aerial Report, Report ID 20200313200, 22356-22400 Governors Highway, Richton Park, IL.

ERIS, March 17, 2020. Topographic Map Research Results, Report ID 20200313200, 22356-22400 Governors Highway, Richton Park, IL.

ERIS, March 17, 2020. Physical Setting Report, Report ID 20200313200, 22356-22400 Governors Highway, Richton Park, IL.

ERIS, March 17, 2020. Fire Insurance Map Research Results, Report ID 20200313200, 22356-22400 Governors Highway, Richton Park, IL.



13.0 ENVIRONMENTAL PROFESSIONAL OPINION

I declare, to the best of my professional knowledge and belief: that I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 12; that I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property; and that I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312. The signature of the Environmental Professional is contained on the cover letter of this Phase I ESA Report. The qualifications of the Environmental Professional are provided in **Appendix F**.

14.0 LIMITATIONS

H&H a subsidiary of GZA (H&H/GZA) prepared this Phase I ESA Report on behalf of, and for the exclusive use of the Clark Dietz, Inc. for the stated purposes for the Site identified in this Phase I ESA Report. [However, H&H/GZA acknowledges and agrees that this Phase I ESA Report may be conveyed to the entities associated with the proximate transaction involving the Site.] Use of this Phase I ESA Report, in whole or in part, at other locations, or for other purposes, might lead to inappropriate conclusions, and we do not accept any responsibility for the consequences of such use. Further, reliance by any party not identified in the agreement, for any use, shall be at that party's sole risk, and without any liability to H&H/GZA.

H&H/GZA performed its services to render an opinion on the presence of RECs in connection with the Site. We performed our services using that degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. We make no warranty, express or implied.

Our findings and conclusions are based on the work conducted as part of the Scope of Services set forth in this Phase I ESA Report, and reflect our professional judgment. Our findings and conclusions should not be considered as scientific certainties or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work.

No environmental site assessment can eliminate the uncertainty of the possible presence of RECs. This Phase I ESA Report was prepared to help reduce, not to eliminate, such uncertainties. Consistent with ASTM E1527-13, we developed our opinions in light of the constraints imposed by time and budget.

As indicated within this Phase I ESA Report, we observed conditions at the Site and at adjoining properties for evidence of RECs at the Site. Where access to portions of the Site or to structures on the Site was unavailable or limited, H&H/GZA renders no opinion as to the presence of hazardous substances, hazardous waste, or petroleum products, or to the presence of indirect evidence relating to these materials, in those portions of the Site or structure. In addition, H&H/GZA renders no opinion as to the presence of hazardous substances, hazardous waste, or petroleum products, or to the presence of indirect evidence relating to these materials, where direct observation of the interior walls, floors, and/or ceilings of a structure on the Site was obstructed by objects and/or coverings on and/or over such surfaces. We based our opinions on such limited observations. Additionally, some activities or events impacting environmental conditions at the Site or on adjoining properties might have been transient and not observable at the time of H&H/GZA's site reconnaissance.



We relied upon information made available by federal, state, and local authorities, the key site manager, and others. We did not attempt to independently verify the accuracy or completeness of that information. We noted inconsistencies in this information within the Report.

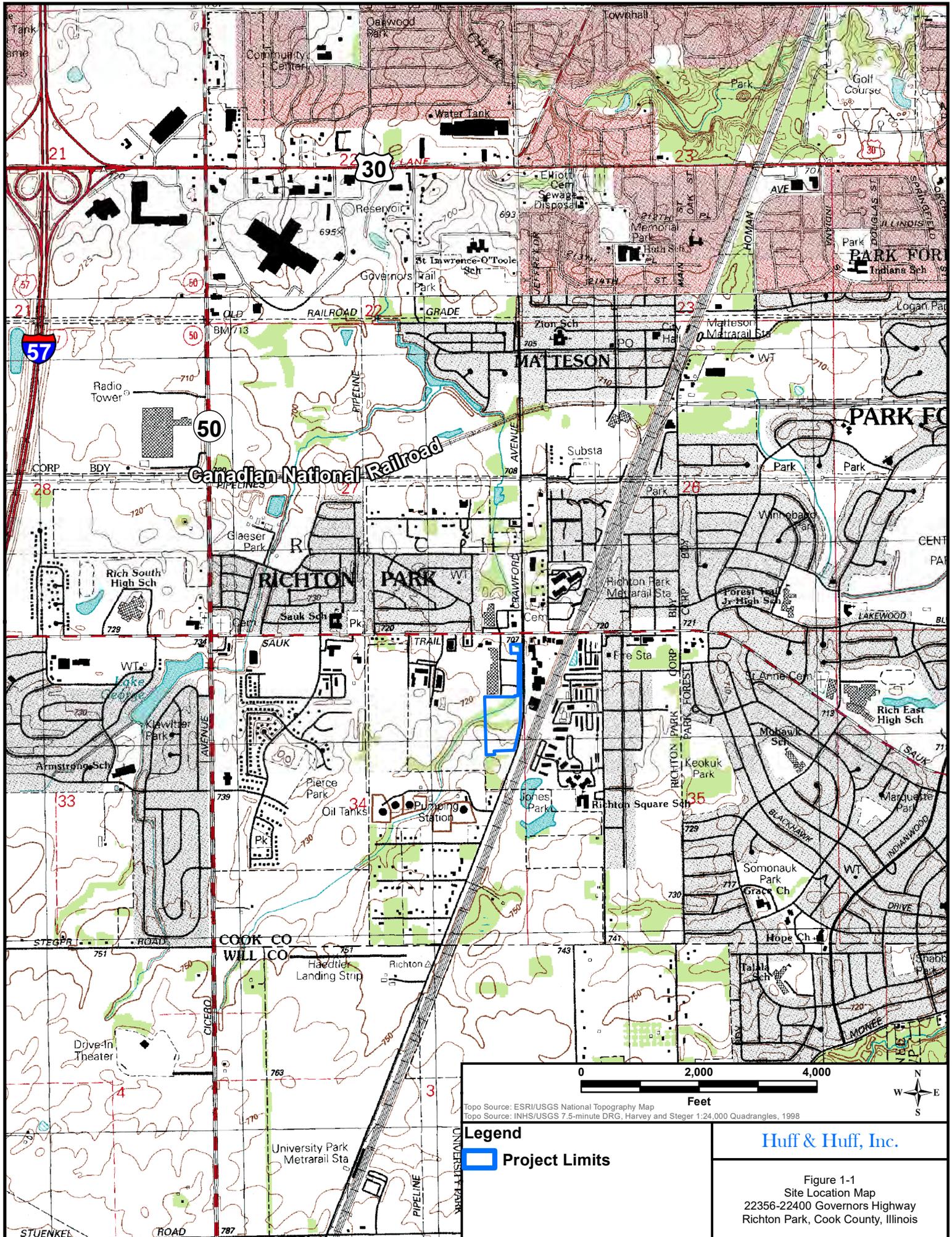
The lender, seller, buyer, or other parties that might become involved with the Site might develop additional opinions or information regarding the presence or absence of RECs at the Site. Such additional opinions or information might not fully support the opinions provided in this Phase I ESA Report. In the event such additional opinions or information is developed, we recommend retaining H&H/GZA to review this material so that we have the opportunity to evaluate and modify, as necessary, the opinions provided in this Phase I ESA Report.

Unless otherwise specified within this Phase I ESA Report, we have rendered no opinion on the compliance of Site conditions or activities with federal, state, and local codes, laws, or regulations.

H&H/GZA based the opinions expressed in this Phase I ESA Report on conditions observed during the course of our work on this Site; these conditions might change over time. ASTM E1527-13 specifies that observations and opinions are only valid for 180 days from the date the underlying information is developed. After 180 days, portions of this Phase I ESA Report may need to be updated.



Figures

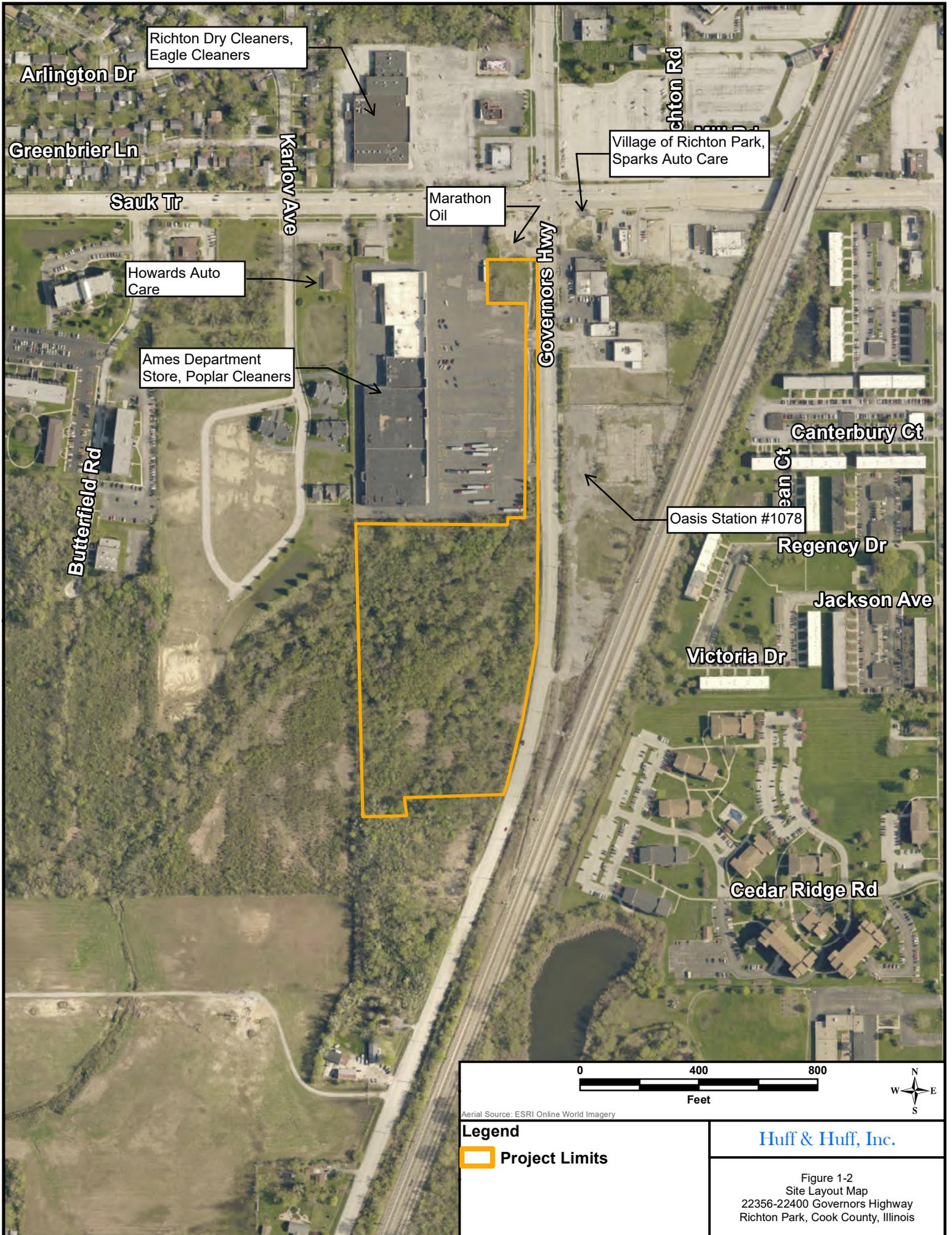


Topo Source: ESRI/USGS National Topography Map
 Topo Source: INHS/USGS 7.5-minute DRG, Harvey and Steger 1:24,000 Quadrangles, 1998

Legend
 Project Limits

Huff & Huff, Inc.

Figure 1-1
 Site Location Map
 22356-22400 Governors Highway
 Richton Park, Cook County, Illinois



Richton Dry Cleaners,
Eagle Cleaners

Arlington Dr

Greenbrier Ln

Sauk Tr

Howards Auto
Care

Ames Department
Store, Poplar Cleaners

Marathon
Oil

Village of Richton Park,
Sparks Auto Care

Richton Rd

Governors Hwy

Canterbury Ct

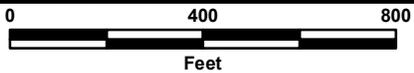
Oasis Station #1078

Regency Dr

Jackson Ave

Victoria Dr

Cedar Ridge Rd



Aerial Source: ESRI Online World Imagery



E

20

50

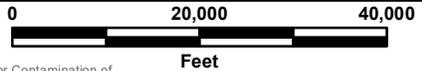


Uniform, relatively impermeable silty or clayey till at least 50 ft thick; no evidence of interbedded sand and gravel.



Project Location

KANKAKEE



Data Source: ISGS Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Wastes by Berg and Kempton, 1984.

Legend

 Project Limits

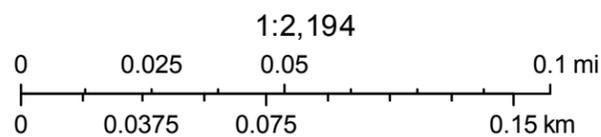
Huff & Huff, Inc.

Potential for Aquifer Contamination Map
22356-22400 Governors Highway
Richton Park, Cook County, Illinois

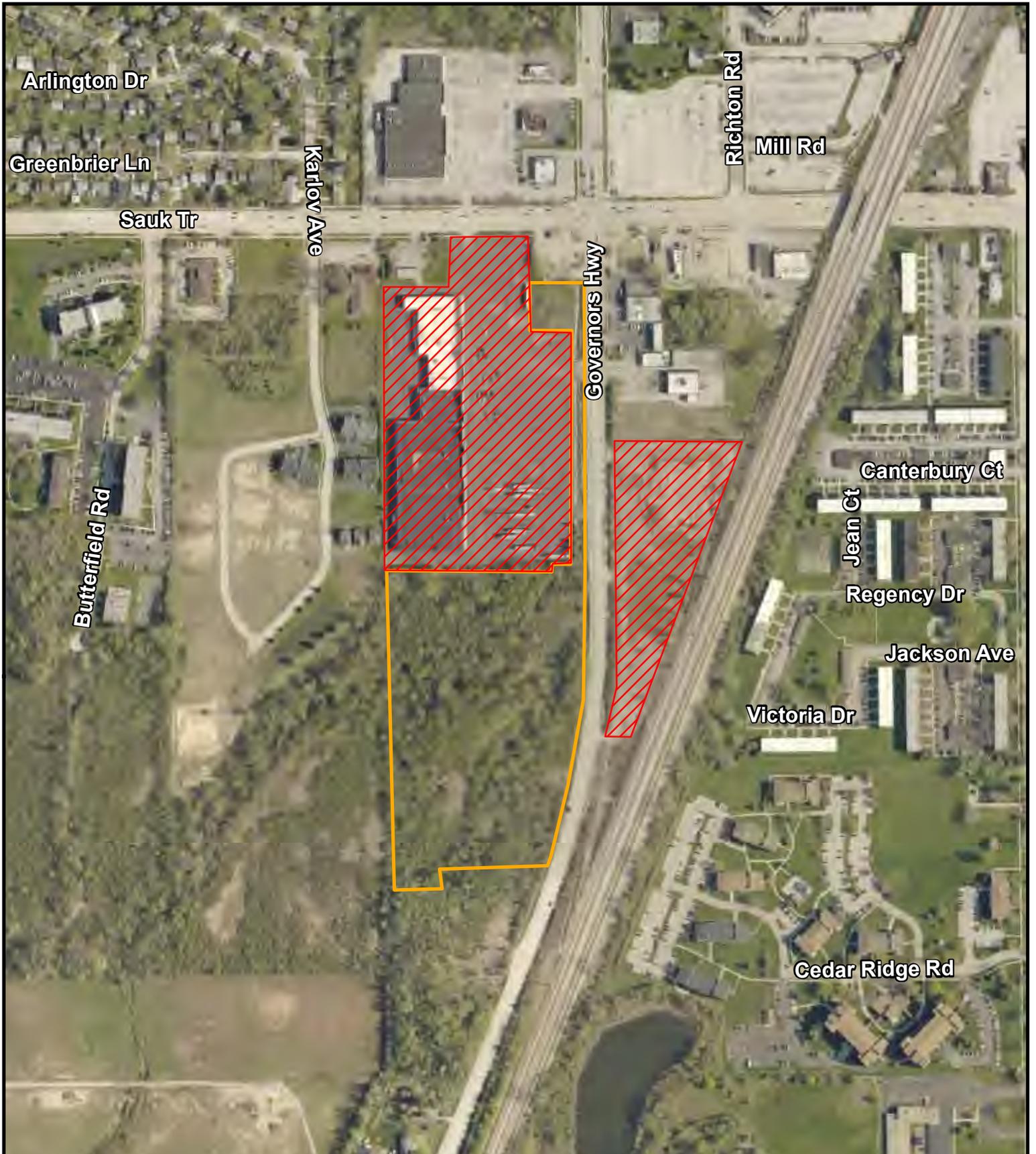
Figure 1-3 Cook County Parcel Map



April 20, 2020



Cook County GIS Dept.



<p>0 400 800 Feet</p> <p>Aerial Source: ESRI Online World Imagery</p>		
<p>Legend</p> <p> Project Limits</p> <p> REC Property</p>		<p>Huff & Huff, Inc.</p>
<p>* REC Property Boundaries are approximations</p>		<p>Figure 11- 1 REC Map 22356-22400 Governors Highway Richton Park, Cook County, Illinois</p>



Appendix A - Task Order

SUBCONSULTANT SERVICES AGREEMENT

AMENDMENT NUMBER 2

Project Name ("Project")

This Amendment to the Subconsultant Services Agreement dated October 2, 2019 is by and between:

Huff & Huff, Inc. ("Subconsultant")

915 Harger Road
Suite 330
Oak Brook, IL 60523

and,

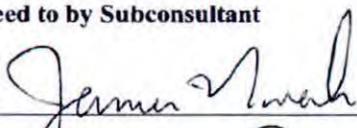
Clark Dietz, Inc. ("Clark Dietz")

125 W. Church Street
Champaign, IL 61820

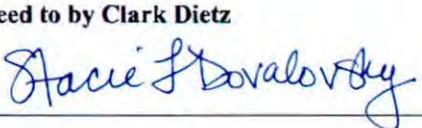
Who agree as follows:

This Amendment engages Subconsultant to perform Services described in PART I – SERVICES BY SUBCONSULTANT and Subconsultant agrees to perform these Services for the compensation set forth in PART III - COMPENSATION. Subconsultant shall be authorized to commence Services upon execution of this Amendment by both parties and receipt of written notice to proceed from Clark Dietz. Subconsultant and Clark Dietz agree that this signature page, together with Parts I - III of this Amendment and the original Subconsultant Services Agreement, including applicable portions of the Prime Agreement, constitute the entire agreement between them relating to this project.

Agreed to by Subconsultant

By: 
Title: ASSOCIATE PRINCIPAL
Date: 3/11/2020

Agreed to by Clark Dietz

By: 
Title: Vice President
Date: 3/11/2020

PART I
SERVICES BY SUBCONSULTANT

A. Amendment Description

1. Clark Dietz has requested a proposal to conduct a Phase I Environmental Site Assessment (ESA) for the Village owned property along Governors Highway, south of Sauk Trail. This ESA is a requirement for the Section 219 Grant that the Village of Richton Park ("Client") received from the US Army Corps of Engineers (USACE).

B. Scope

1. See the attached letter from Huff and Huff dated March 5, 2020 for the project scope.

C. Schedule

1. The ESA report has been requested by the USACE to be delivered by April 13, 2020 and so the ESA report is needed by that day in order to satisfy the USACE's submittal deadline.

D. Key Project Team Members

No Change

PART II
CLARK DIETZ' RESPONSIBILITIES

Clark Dietz shall, at its expense, do the following for the Amendment:

- A. Information/Reports**
Provide reports, studies, site characterizations, regulatory decisions and similar information provided to Clark Dietz by Client relating to the Services.
- B. Representative**
Designate a representative who shall have the authority to transmit instructions, receive information, interpret and define Subconsultant's requirements and make decisions with respect to the Services. The Clark Dietz representative for this Subconsultant Agreement Amendment is Chris Gutkowski.
- C. Decisions**
Provide criteria and information as to Subconsultant's requirements for the Services and make timely decisions on matters relating to the Services.

**PART III
COMPENSATION**

A. Compensation

Compensation for the Services under this Amendment shall be as follows:

1. Total compensation to Huff & Huff, Inc. for services rendered on the Project in accordance with PART I – SERVICES BY SUBCONSULTANT of this Agreement Amendment will be a cost plus fixed fee amount of \$5,510.

B. Billing and Payment – No Change



A Subsidiary of GZA

GEOTECHNICAL

ENVIRONMENTAL

ECOLOGICAL

WATER

CONSTRUCTION MANAGEMENT

215 Hanger Road
Suite 320
Oak Brook, IL 60521
Tel: 630.582.9200
Fax: 630.584.9244
www.huffhuff.com
www.gza.com



March 5, 2020

via: chris.gutkowski@clarkdietz.com

Mr. Christopher S. Gutkowski, P.E.
Clark Dietz Inc.
125 West Church Street
Champaign, IL 61820-3510

**Subject: Phase I Environmental Site Assessment
22356-22400 Governors Highway
Richton Park, Cook County, Illinois
Proposal No. 81.PE00017.20**

Dear Mr. Gutkowski:

Pursuant to your request, Huff & Huff, Inc. (H&H), a subsidiary of GZA, Inc. (Consultant) is pleased to present this proposal to Clark Dietz Inc. (Client), to perform a Phase I Environmental Site Assessment (ESA) at 22356-22400 Governors Highway in Richton Park, Illinois (Site).

1. BACKGROUND

Consultant will conduct one Phase I ESA for the industrial property located at 22356-22400 Governors Highway in Richton Park, Illinois. The Site is approximately 12 acres in size in Cook County, Illinois. The figure provided by Client shows the Site includes property index numbers (PINs) 31-34-206-007 and 31-34-206-008.

2. PURPOSE

The purpose of the Phase I ESA to be conducted at the Site is to render an opinion as to whether information collected and visual observations of the Site indicate the presence of hazardous substances, petroleum and petroleum products, pollutants or contaminants in the soil or groundwater, based on the scope of work outlined herein. The scope of work for this project has been developed in accordance with the "Standard Practice for ESAs: Phase I ESA Process," promulgated by the American Society for Testing and Materials (ASTM) as ASTM Standard E1527-13 embodying the "All Appropriate Inquiry" (AAI) Final Rule (40 CFR Part 312). The objective of the ESA is to render an opinion as to whether surficial or historical evidence indicates the presence of recognized environmental conditions (RECs) that have the potential to result in hazardous substances or petroleum products in the soil, groundwater, and/or soil vapor at the Site.

RECs are defined in ASTM Standard E1527-13 as "...the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions." The term is not intended to include de minimis conditions that would generally not present a threat to human health or the environment and that would generally not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.



3. SCOPE OF WORK

Phase I Environmental Site Assessment

The ESA Scope of Work for this project has been developed in accordance with the “Standard Practice for ESAs: Phase I ESA Process” ASTM Standard E1527-13. Unless requested otherwise, chain-of-title searches will not be included in the ESA. However, a chain-of-title will be reviewed by H&H if provided by Client. *The scope of work for this ESA does not include ACM, mold, radon, environmental compliance, or wetland surveys. If these services are desired, please contact H&H so this proposal can be modified accordingly.*

The following tasks will be conducted during the ESA:

Task 1 - Review Background Information

H&H will review background information made available by Client or representatives of operations at the Site. Such information may include plan maps, building diagrams, tax records, environmental reports or records, inventory lists, or other documents that might indicate either the use of hazardous substances or improper management of chemicals at the Site. Consistent with ASTM Standard E1527-13, emphasis will also be placed on establishing the presence of deed limitations or activity and use limitations (AULs). If AULs are identified, H&H will also provide an assessment of property owners’ compliance with the terms of deed restrictions, environmental liens, or AULs for the Site. This task also includes review of available H&H files from investigation work at the Site.

Task 2 - Site History Reviews

H&H will review information related to historical Site uses to identify previous activities that have led to the presence of hazardous substances or petroleum products in the soil or groundwater at the Site. H&H will also review information to assess the potential for subsurface impacts not previously discovered. Documents not available from Client, such as aerial photographs, municipal file information and Sanborn Fire Insurance Rate Maps, will be reviewed, if readily available, to establish past ownership and use of the Site.

The User Responsibilities component of ASTM Standard E1527-13 addresses the development of certain information from the “...user,” defined as a purchaser, tenant, or owner. This process can be conducted through use of a User Questionnaire to assist in collecting pertinent facts and then incorporating the information into the ESA report. H&H and Client can discuss what components of User Responsibilities are appropriate in consideration of the overall objectives.

Please note that H&H will not assess the past use of abutting properties with respect to their potential impacts on the soil or groundwater at the Site, other than in the context of ASTM Standard E1527-13. In addition, H&H will not request historical title reports for the Site unless requested by Client.

Task 3 - Regulatory File Reviews

H&H will review state and federal lists readily available from a commercial database service consistent with the AA requirements concerning the following:

- Federal Contaminated Site and Waste Generator Listings: National Priority List (NPL); CERCLIS; No Further Remedial Action Planned Sites (NFRAP); Resource Conservation and Recovery Information System Small Quantity Generator (RCRIS-SQG) and Large Quantity Generator (RCRIS-LQG) Listings; RCRIS Transportation, Storage and Disposal Facility (RCRIS-TSD) Listing; RCRIS - Corrective Action Sites List (RCRIS-CORRACTS); and Emergency Response Notification System (ERNS).
- State listings regarding Waste Disposal Sites (SWFs); Hazardous Waste Sites (HWS); Spills Reports (SPILLS); Underground Storage Tank (UST) Reports; and Active Leaking Underground Storage Tank (LUST) Reports.
- Database sources that specifically address deed and AULs such as institutional and engineering controls.



March 5, 2020
Clark Dietz, Inc.

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The maximum radius of the area included for each database search may vary per ASTM Standard E1527-13, but the radius selected will meet or exceed ASTM recommendations.

Task 4 - Site Visit and Interviews

A H&H environmental professional, as referenced in ASTM Standard E1527-13 and meeting the education, training and experience requirements of 40 CFR Section 312.10(b), will visit the Site to observe for either surficial evidence of the presence of hazardous substances in the soil or groundwater, or evidence of improper management of chemicals. H&H assumes that Client will assist H&H in gaining access to the Site. As required by ASTM Standard E1527-13, off-Site observations will also be made of adjoining properties, as well as within the general Site areas (i.e., within ¼-mile) for apparent conditions that could impact the Site. H&H will also attempt to contact relevant public officials to inquire about possible environmental concerns at the Site.

Per arrangements made between Client and the respective Site owners or operators, H&H will interview current Site owners and/or operators, or others knowledgeable of environmental conditions at the Site, and will conduct additional interviews as required by ASTM Standard E1527-13.

Task 5 - Phase I ESA Report

Based on the results of Tasks 1 through 4, H&H will prepare an ESA report documenting H&H's inquiry process, findings, conclusions, and opinions. The ESA report will include opinions by H&H with regard to the identification of RECs at the Site, and the basis and limitations of those opinions. Our report will include our recommendation(s) regarding the need to evaluate suspected sources of impact, if any are identified. In addition, the report will provide a discussion of notable data gaps that may have impaired the inquiry process and prevented the ability to identify the presence of RECs.

H&H will contact Client regarding material data gaps as soon as they become apparent. A draft report will first be submitted to Client and then will be finalized following the receipt of comments. Please note, consistent with H&H's sustainability initiative, the report will be submitted electronically. Upon request, H&H will provide paper copies at an additional charge.

Task 6 - Lien Search

An environmental lien search will be conducted to search for recorded environmental cleanup liens per the ASTM standards. This proposal provides for an environmental lien search covering up to three PINs, and any additional, if necessary, will be invoiced at cost.

4. BASIS OF BILLING

Consultant proposes to conduct the scope of work for the Phase 1 ESA on a Time and Materials basis, using the firm's 2019 Fee Schedule, which is attached. Costs for the project will not exceed \$5,510 without prior authorization by Client. This estimate is based on the anticipated scope of work outlined above, which represents our present judgment as to the level of effort requested.

Should out-of-scope services be requested, an addendum with supplement will be prepared for Client.

5. SCHEDULE

Based on our current understanding of the project, H&H will begin our services within two weeks of receiving notice to proceed. H&H will schedule the Phase I ESA Site visit and will complete the subsequent report within six weeks.



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CONDITIONS OF ENGAGEMENT

The conditions of engagement are described in the attached Terms and Conditions for Professional Services. H&H’s report will be prepared on behalf of and for the exclusive use of Client. Client acknowledges and agrees that the report and the findings in the report shall not, in whole or in part, be disseminated or conveyed to any other party, or used or relied upon by any other party, in whole or in part, except for the specific purpose and to the specific parties alluded to above, without the written consent of H&H. H&H would be pleased to discuss the conditions associated with any additional dissemination, use, or reliance by other parties.

ACCEPTANCE

This agreement may be accepted by signing in the appropriate space below and returning one complete copy to H&H. Issuance of a Purchase Order implicitly acknowledges acceptance of this proposal. This proposal is valid for a period of 30 days from the date of issue.

We appreciate the opportunity to submit this proposal. Please feel free to contact the undersigned at (630) 684-9100 with any questions.

Very truly yours,

Huff & Huff, Inc.

James Novak
Associate Principal
Attachments: Terms and Conditions

This Proposal for Services, Schedule of Fees and Terms and Conditions for Professional Services are hereby accepted and executed by a duly authorized signatory, who by execution hereof, warrants that he/she has full authority to act for, in the name, and on behalf of _____.

By: _____ Title: _____

Printed/Typed Name: _____ Date: _____

The Proposal for Services, Schedule of Fees and Terms and Conditions for Professional Services may be executed in two or more counterparts, each of which together shall be deemed an original, but all of which together shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by an e-mail delivery of a document in “.pdf” format, each such signature shall create a valid and binding obligation of the party executing the document, or on whose behalf each document is executed, with the same force and effect as if each such facsimile or “.pdf” signature were an original thereof.



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TERMS AND CONDITIONS FOR PROFESSIONAL SERVICES

© 2016 by Huff & Huff, Inc., a Subsidiary of GZA GeoEnvironmental, Inc.

These Terms and Conditions, together with H&H's Proposal, make up the Agreement between H&H and you, Client, named in the attached proposal.

BEFORE SIGNING THE PROPOSAL, BE SURE YOU READ AND UNDERSTAND THE PARAGRAPHS ENTITLED "INDEMNIFICATION" AND "LIMITATION OF REMEDIES" WHICH DEAL WITH THE ALLOCATION OF RISK BETWEEN YOU AND H&H.

1. **Services.** H&H will perform the services set forth in its Proposal and any amendments or change orders authorized by you. Any request or direction from you that would require extra work or additional time for performance or would result in an increase in H&H's costs will be the subject of a negotiated amendment or change order.
2. **Standard of Care.** H&H will perform the services with the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services at the same time under similar conditions in the same or similar locality. **NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTY OF MARKETABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE OR INTENDED BY H&H'S PROPOSAL OR BY ANY OF H&H'S ORAL OR WRITTEN REPORTS.**
3. **Payment.**
 - a. Except as otherwise stated in the Proposal, you will compensate H&H for the services at the rates set forth in the applicable Proposal, amendment or change order; reimburse its expenses, which will include a communication fee calculated as a percentage of labor invoiced; and pay any sales or similar taxes thereon.
 - b. Any retainer specified in H&H's Proposal shall be due prior to the start of services and will be applied to the final invoice for services.
 - c. H&H will submit invoices periodically, and payment will be due within 20 days from invoice date. Overdue payments will bear interest at 1½ percent per month or, if lower, the maximum lawful rate. H&H may terminate its services upon 10 days' written notice anytime your payment is overdue on this or any other project and you will pay for all services through termination, plus termination costs. You will reimburse H&H's costs of collecting overdue invoices, including reasonable attorneys' fees.
4. **Your Responsibilities.**
 - a. Except as otherwise agreed, you will secure the approvals, permits, licenses and consents necessary for performance of the services. If you are the owner or operator of the Site, you will provide H&H with all documents, plans, information concerning underground structures (including but not limited to utilities, conduits, pipes, and tanks), information related to hazardous materials or other environmental or geotechnical conditions at the site and other information that may be pertinent to the services or, if you are not the owner or operator of the Site, you agree to make reasonable efforts to obtain these same documents and provide them to H&H. Unless otherwise indicated in writing, H&H will be entitled to rely on documents and information you provide.
 - b. If you use the services of a construction contractor at the Site, you agree to use best and reasonable efforts to include in your agreement(s) with the construction contractor provisions obligating the latter:
 - (i) to indemnify, defend and hold harmless, to the fullest extent permitted by law, you and H&H, its officers, employees and principals, for or on account of any claims, liabilities, costs and expenses, including attorneys' fees, arising out of or relating to the design or implementation of construction means, methods, procedures, techniques, and sequences of construction, including safety precautions or programs, of the contractor, or any of its subcontractors or any engineer engaged by it;
 - (ii) to name you and H&H as additional insureds under general liability and builder's risk insurance coverages maintained by the contractor, or any of its subcontractors; and
 - (iii) to require that all of its subcontractors agree and be bound to the obligations set forth in (i) and (ii) above.



March 5, 2020

Clark Dietz, Inc.

Phase I ESA – 22356-22400 Governors Highway, Richton Park

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- c. In the event that you are unable to secure such provisions in the agreement(s) with the construction contractor, you shall promptly notify H&H and H&H shall have the opportunity to negotiate with you reasonable substitute risk allocation and insurance indemnities and protections.
5. **Right of Entry.** You grant H&H and its subcontractor(s) permission to enter the site to perform the services. If you do not own the site, you represent and warrant that the owner has granted permission for H&H to enter the site and perform the services; you will provide reasonable verification on request; and you will indemnify H&H for any claims by the site owner related to alleged trespass by H&H or its subcontractors.
6. **Reliance.** The services, information, and other data furnished by you shall be at your expense, and H&H may rely upon all information and data that you furnish, including the accuracy and completeness thereof. You acknowledge that the quality of the services provided by H&H is directly related to the accuracy and completeness of the information and data that you furnish to H&H. **H&H's REPORTS ARE PREPARED FOR AND MADE AVAILABLE FOR YOUR SOLE USE. YOU ACKNOWLEDGE AND AGREE THAT USE OF OR RELIANCE UPON THE REPORT OR THE FINDINGS IN THE REPORT BY ANY OTHER PARTY, OR FOR ANY OTHER PROJECT OR PURPOSE, SHALL BE AT YOUR OR SUCH OTHER PARTY'S SOLE RISK AND WITHOUT ANY LIABILITY TO H&H.**
7. **H&H Professionals.** H&H employees or consultants may act as licensed, certified or registered professionals (including but not limited to Professional Engineers, Licensed Site or Environmental Professionals, or Certified Industrial Hygienists, collectively referred to in this section as "H&H Professionals") whose duties may include the rendering of independent professional opinions. You acknowledge that a federal, state or local agency or other third party may audit the services of H&H or other contractor/consultant(s), which audit may require additional services, even though H&H and such H&H Professionals have each performed such services in accordance with the standard of care set forth herein. You agree to compensate H&H for all services performed in response to such an audit, or to meet additional requirements resulting from such an audit, at the rates set forth in the applicable Proposal, amendment or change order.
8. **Hazardous Materials; H&H "Not a Generator".** Before any hazardous or contaminated materials are removed from the site, you will sign manifests naming you as the generator of the waste (or, if you are not the generator, you will arrange for the generator to sign). You will select the treatment or disposal facility to which any waste is taken. H&H will not be the generator or owner of, nor will it possess, take title to, or assume legal liability for any hazardous or contaminated materials at or removed from the site. H&H will not have responsibility for or control of the site or of operations or activities at the site other than its own. H&H will not undertake, arrange for or control the handling, treatment, storage, removal, shipment, transportation or disposal of any hazardous or contaminated materials at or removed from the site, other than any laboratory samples it collects or tests. You agree to defend, indemnify and hold H&H harmless for any costs or liability incurred by H&H in defense of or in payment for any legal actions in which it is alleged that H&H is the owner, generator, treater, storer or disposer of hazardous waste.
9. **Limits on H&H's Responsibility.** H&H will not be responsible for the acts or omissions of contractors or others at the site, except for its own subcontractors and employees. H&H will not supervise, direct or assume control over or the authority to stop any contractor's work, nor shall H&H's professional activities or the presence of H&H or its employees and subcontractors be construed to imply that H&H has authority over or responsibility for the means, methods, techniques, sequences or procedures of construction, for work site health or safety precautions or programs, or for any failure of contractors to comply with contracts, plans, specifications or laws. Any opinions by H&H of probable costs of labor, materials, equipment or services to be furnished by others are strictly estimates and are not a guarantee that actual costs will be consistent with the estimates.
10. **Changed Conditions.**
 - a. You recognize the uncertainties relating to the furnishing of professional services, which often require a phased or exploratory approach, with the need for additional services becoming apparent during the initial services. You also recognize that actual conditions encountered may vary significantly from those anticipated, that laws and regulations are subject to change, and that the requirements of regulatory authorities are often unpredictable.



March 5, 2020
Clark Dietz, Inc.

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- b. If changed or unanticipated conditions or delays make additional services necessary or result in additional costs or time for performance, H&H will notify you and the parties will negotiate appropriate changes to the scope of services, compensation and schedule.
- c. If no agreement can be reached, H&H will be entitled to terminate its services and to be equitably compensated for the services already performed. H&H will not be responsible for delays or failures to perform due to weather, labor disputes, intervention by or inability to get approvals from public authorities, acts or omissions on your part or any other causes beyond H&H's reasonable control, and you will compensate H&H for any resulting increase in its costs.

11. Documents and Information. All documents, data, calculations and work papers prepared or furnished by H&H are instruments of service and will remain H&H's property. Designs, reports, data and other work product delivered to you are for your use only, for the limited purposes disclosed to H&H. Any delayed use, use at another site, use on another project, or use by a third party will be at the user's sole risk, and without any liability to H&H. Any technology, methodology or technical information learned or developed by H&H will remain its property. Provided H&H is not in default under this Agreement, H&H's designs will not be used to complete this project by others, except by written agreement relating to use, liability and compensation.

12. Electronic Media. In accepting and utilizing any drawings, reports and data on any form of electronic media generated by H&H, you covenant and agree that all such electronic files are instruments of service of H&H, who shall be deemed the author, and shall retain all common law, statutory law and other rights, including copyrights. In the event of a conflict between the signed documents prepared by H&H and electronic files, the signed documents shall govern. You agree not to reuse these electronic files, in whole or in part, for any purpose or project other than the project that is the subject of this Agreement. Any transfer of these electronic files to others or reuse or modifications to such files by you without the prior written consent of H&H will be at the user's sole risk and without any liability to H&H.

13. Confidentiality; Subpoenas. Information about this Agreement and H&H's services and information you provide to H&H regarding your business and the site, other than information available to the public and information acquired from third parties, will be maintained in confidence and will not be disclosed to others without your consent, except as H&H reasonably believes is necessary: (a) to perform its services; (b) to comply with professional standards to protect public health, safety and the environment; and (c) to comply with laws and court orders. H&H will make reasonable efforts to give you prior notice of any disclosure under (b) or (c) above. You will reimburse H&H for responding to any subpoena or governmental inquiry or audit related to the services, at the rates set forth in the applicable Proposal, amendment or change order.

14. Insurance. During performance of the services, H&H will maintain workers compensation, commercial general liability, automobile liability, and professional liability insurance. H&H will furnish you certificates of such insurance on request.

15. Indemnification. You agree to hold harmless, indemnify, and defend H&H and its affiliates and subcontractors and their employees, officers, directors and agents (collectively referred to in this paragraph as "H&H") against all claims, suits, fines and penalties, including mandated cleanup costs and attorneys' fees and other costs of settlement and defense, which claims, suits, fines, penalties or costs arise out of or are related to this Agreement or the services, except to the extent they are caused by H&H's negligence or willful misconduct.

16. Limitation of Remedies.

- a. To the fullest extent permitted by law and notwithstanding anything else in this Agreement to the contrary, the aggregate liability of H&H and its affiliates and subcontractors and their employees, officers, directors and agents (collectively referred to in this paragraph as "H&H") for all claims arising out of this Agreement or the services is limited to \$50,000 or, if greater, 10% of the compensation received by H&H under this Agreement.
- b. You may elect to increase the limit of liability by paying an additional fee, such fee to be negotiated prior to the execution of this Agreement.
- c. Any claim will be deemed waived unless received by H&H within one year of substantial completion of the services.
- d. H&H will not be liable for lost profits, loss of use of property, delays, or other special, indirect, incidental, consequential, punitive, exemplary or multiple damages.



March 5, 2020
Clark Dietz, Inc.

Phase I ESA – 22356-22400 Governors Highway, Richton Park
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- e. H&H will not be liable to you or the site owner for injuries or deaths suffered by H&H's or its subcontractors' employees.
- f. You will look solely to H&H for your remedy for any claim arising out of or relating to this Agreement, including any claim arising out of or relating to alleged negligence or errors or omissions of any H&H principal, officer, employee or agent.

17. Disputes.

- a. All disputes between you and H&H shall be subject to non-binding mediation.
- b. Either party may demand mediation by serving a written notice stating the essential nature of the dispute, the amount of time or money claimed, and requiring that the matter be mediated within forty-five (45) days of service of notice.
- c. The mediation shall be administered by the American Arbitration Association in accordance with its most recent Construction Mediation Rules, or by such other person or organization as the parties may agree upon.
- d. No action or suit may be commenced unless mediation has occurred but did not resolve the dispute, or unless a statute of limitation period would expire if suit were not filed prior to such forty-five (45) days after service of notice.

18. Miscellaneous.

- a. Illinois law shall govern this Agreement.
- b. The above terms and conditions regarding Limitation of Remedies and Indemnification shall survive the completion of the services under this Agreement and the termination of the contract for any cause.
- c. Any amendment to these Terms and Conditions must be in writing and signed by both parties.
- d. Having received these Terms and Conditions, your oral authorization to commence services, your actions, or your use of the Report or Work Product constitutes your acceptance of them.
- e. This Agreement supersedes any contract terms, purchase orders or other documents issued by you.
- f. Neither party may assign or transfer this Agreement or any rights or duties hereunder without the written consent of the other party.
- g. Your failure or the failure of your successors or assigns to receive payment or reimbursement from any other party for any reason whatsoever shall not absolve you, your successors or assigns of any obligation to pay any sum to H&H under this agreement.
- h. These Terms and Conditions shall govern over any inconsistent terms in H&H's Proposal.
- i. The provisions of this Agreement are severable; if any provision is unenforceable it shall be appropriately limited and given effect to the extent it is enforceable.
- j. The covenants and agreements contained in this Agreement shall apply to, inure to the benefit of and be binding upon the parties hereto and upon their respective successors and assigns.

Huff & Huff, Inc.
Proposal
3/11/2020

Prepared for: CDI
Project: Richton Park Phase 1 -- Governors Highway

	Task	Hours	Labor	Reimbursables	Total
1	Phase 1 ESA	40.00	5,005.00	502.50	5,507.50
	Grand Total	40.00	\$ 5,005.00	\$ 502.50	\$ 5,507.50

Huff & Huff, Inc.
 Proposal
 3/11/2020

		Prepared for: CDI			Associate	Senior	Technical			Senior
		Project: Richton Park Phase 1 -- Governors Hig			Principal I	Geologist PM	Graphics	Engineer PM I	Engineer PM I	Administrative
Task		Hours	Labor		Margaret	Shane	Technician	Jill	Eric	Assistant
							Amy			Sandy
1	Phase 1 ESA	40.00	5,005.00		2	3	3	30	0.5	1.5
Grand Total		40.00	\$ 5,005.00		2	3	3	30	0.5	1.5

Huff & Huff, Inc.
Proposal
3/11/2020

Prepared for: CDI
Project: Richton Park Phase 1 -- Governors Highway

Task					Reimbursables
1 Phase 1 ESA					
Trips	2 miles	x	40	x \$ 0.575 = \$	46.00
Tolls			2	x \$ 3.00 = \$	6.00
database			1	x \$ 285.00 = \$	313.50
Reproduction	3 sets	x	150	x \$ 0.11 = \$	16.50
Color copies	3 sets	x	10	x \$ 0.50 = \$	5.00
lien search			1	x \$ 105.00 = \$	115.50
				Task Total	\$ 502.50
Grand Total					\$ 502.50



Appendix B - Photograph Log



Photographic Log

Client Name: Clark Dietz Inc.	Site Location: 22356-22400, Richton Park, Cook County, IL	Project No. 81.0220064.07	Date: April 2, 2020
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Photo 1 View of drainage ditch within Site looking south



Photo 2 View of adjoining REC site to the west



Photo 3 View of northern extent of the Site looking north



Photo 4 View looking at northern adjoining site facing northwest



Client Name: Clark Dietz Inc.	Site Location: 22356-22400, Richton Park, Cook County, IL	Project No. 81.0220064.07	Date: April 2, 2020
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Photo 5 View of Site extent looking south



Photo 6 View of southern portion of the site looking south



Photo 7 View of northeastern adjoining site looking east



Photo 8 View of adjoining REC site to the east looking east





Photographic Log

Client Name: Clark Dietz Inc.	Site Location: 22356-22400, Richton Park, Cook County, IL	Project No. 81.0220064.07	Date: April 2, 2020
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Photo 9 View of wooded southern portion of Site, facing southeast



Photo 10 View of adjoining REC site to the west looking at southern end of building



Photo 11 View of transformers at southern end of western adjoining building



Photo 12 View of wooded southern portion of Site, facing south





Photographic Log

Client Name: Clark Dietz Inc.	Site Location: 22356-22400, Richton Park, Cook County, IL	Project No. 81.0220064.07	Date: April 2, 2020
--------------------------------------	--	----------------------------------	----------------------------

Photo 13 View of REC to east, facing south



Photo 14 View of drainage ditch on eastern side of wooded area, facing south



Photo 15 View of wooded souther portion of Site facing southwest



Photo 16 View of REC adjoining to west, facing southwest from north end of Site





Appendix C - Historical Documentation



HISTORICAL AERIALS

Project Property: 81.0220064.07
Governors Highway
Richton Park IL

Requested By: Huff & Huff, Inc.

Order No: 20200313200

Data Completed: March 16,2020

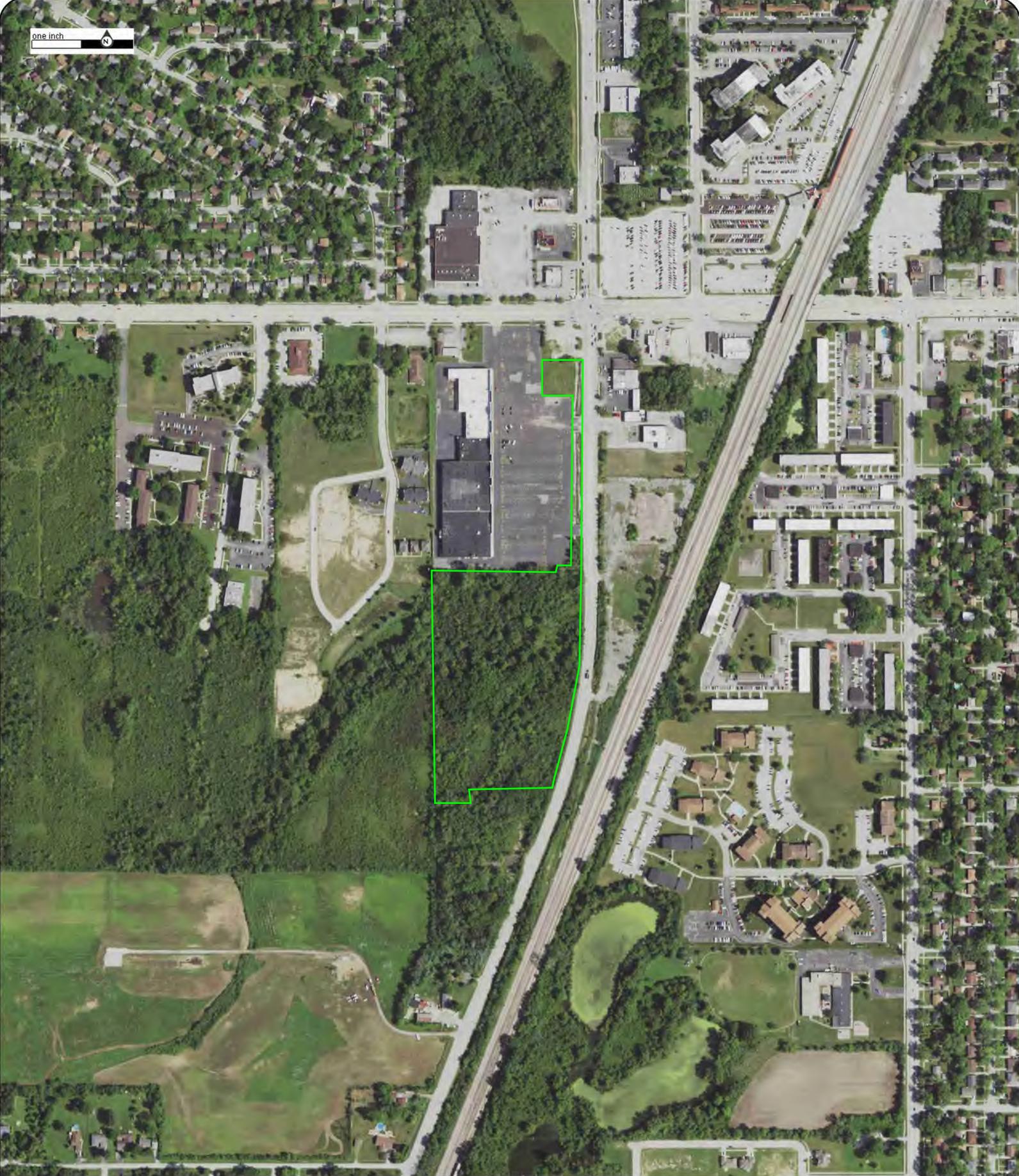
Date	Source	Source Scale	Comments
2019	National Agriculture Information Program	1" to 500'	
2017	National Agriculture Information Program	1" to 500'	
2015	National Agriculture Information Program	1" to 500'	
2014	National Agriculture Information Program	1" to 500'	
2012	National Agriculture Information Program	1" to 500'	
2011	National Agriculture Information Program	1" to 500'	
2010	National Agriculture Information Program	1" to 500'	
2009	National Agriculture Information Program	1" to 500'	
2007	National Agriculture Information Program	1" to 500'	
2006	National Agriculture Information Program	1" to 500'	
2005	National Agriculture Information Program	1" to 500'	
1999	US Geological Survey	1" to 500'	
1993	US Geological Survey	1" to 500'	
1987	US Geological Survey	1" to 500'	
1984	National High Altitude Photography	1" to 500'	
1973	US Geological Survey	1" to 500'	
1962	US Geological Survey	1" to 500'	Best Copy Available
1952	US Geological Survey	1" to 500'	
1938	Agriculture and Soil Conservation Service	1" to 500'	

Environmental Risk Information Services

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one inch



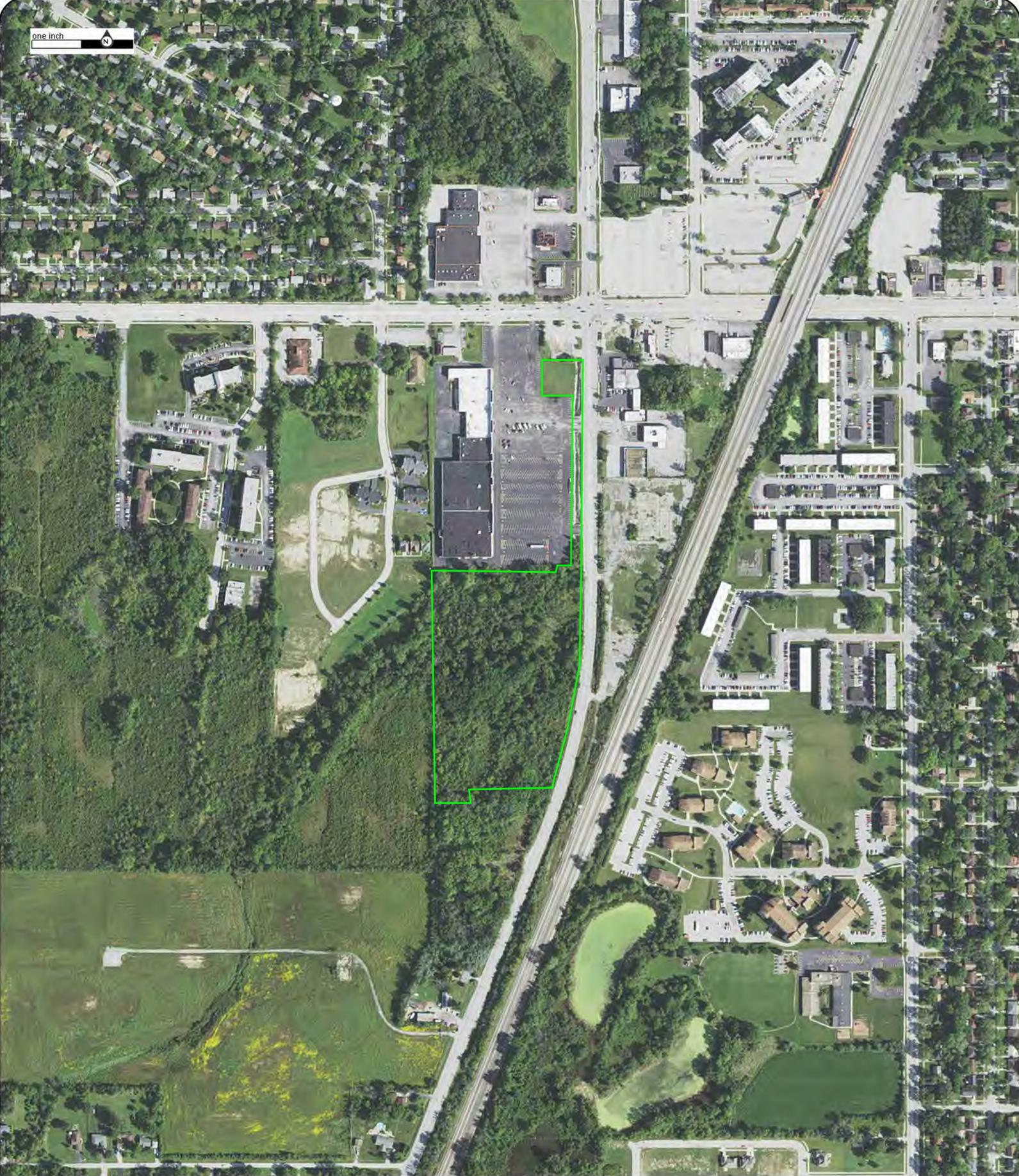
Year:2019
Source:NAIP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



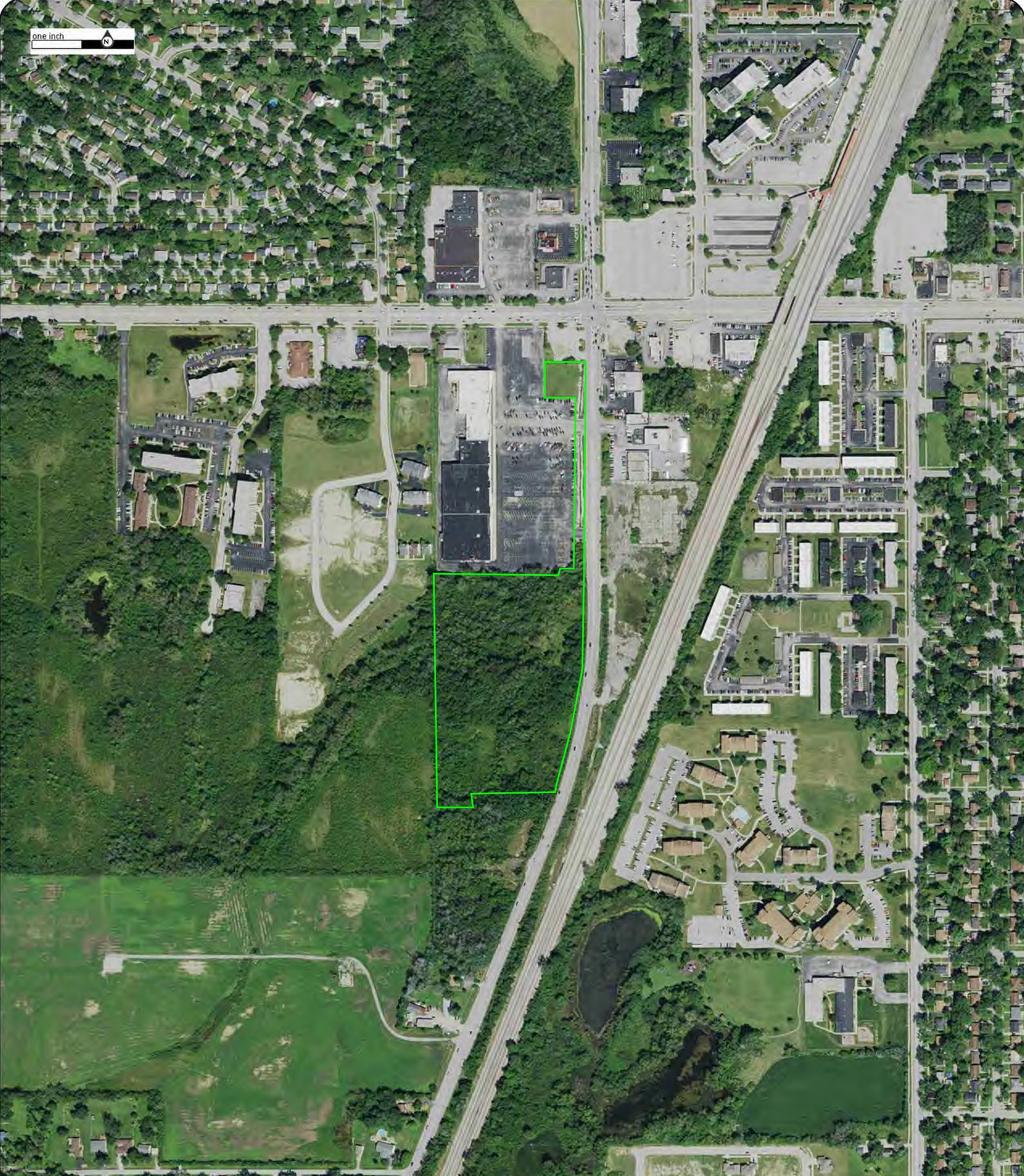
Year:2017
Source:NAIP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:2015
Source:NAIP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:2014
Source:NAIP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:2012
Source:NAIP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:2011

Address:Governors Highway,Richton Park,IL

Order No:20200313200

Source:NAIP

Approx Center:41.48034791/-87.71415297

Scale:1" to 500'

Comment:



one inch



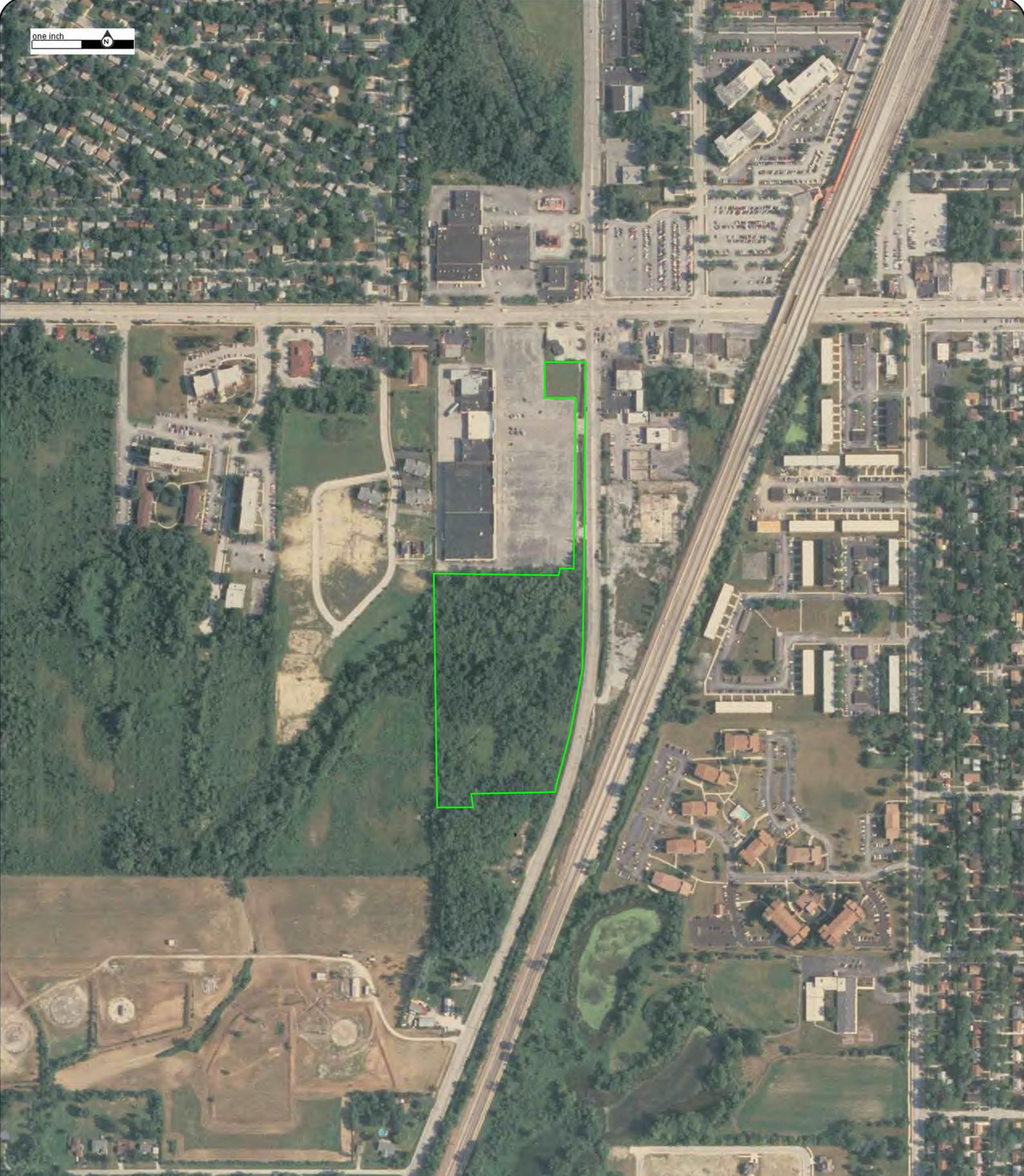
Year:2010
Source:NAIP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



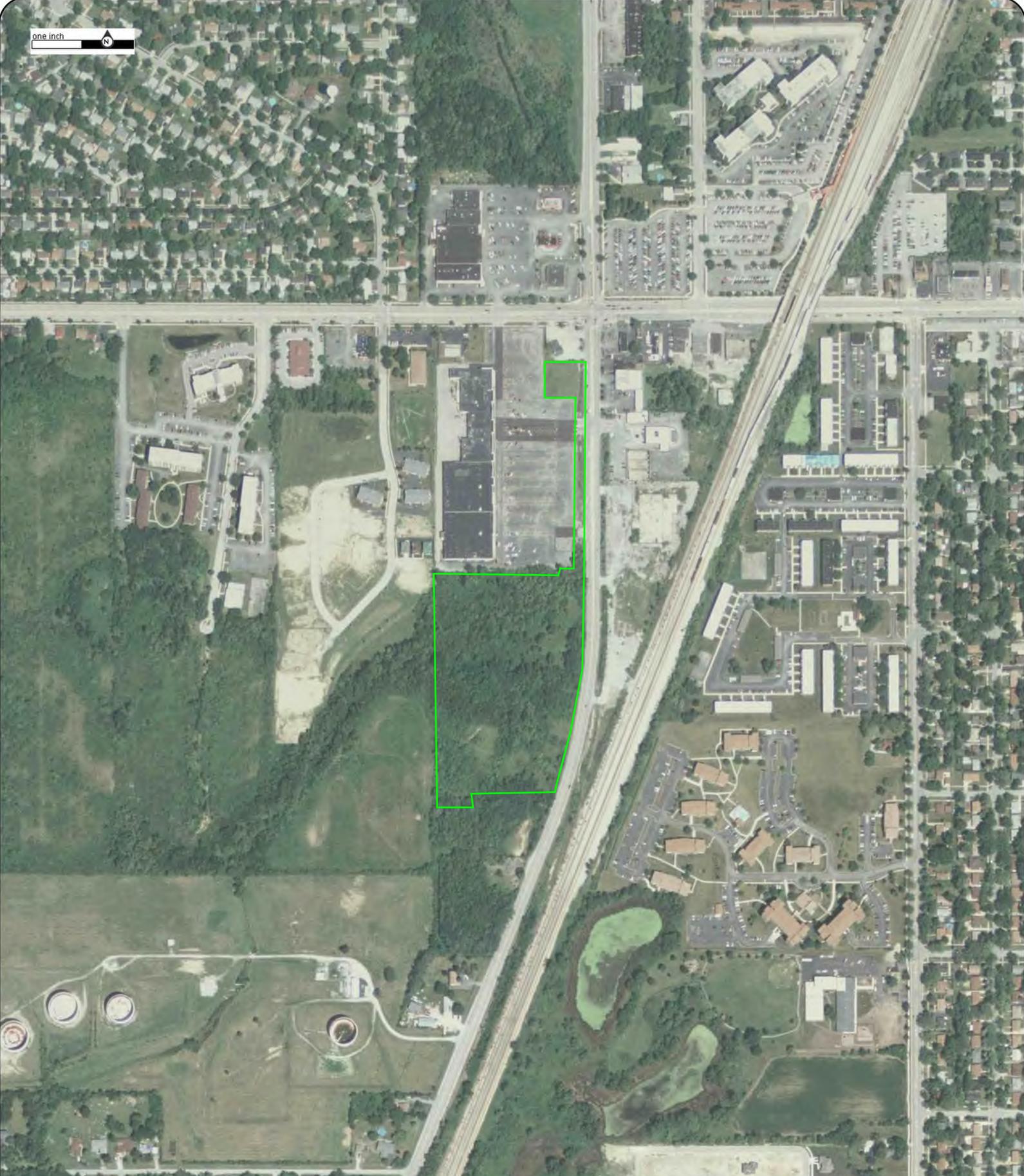
Year:2009
Source:NAIP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:2007
Source:NAIP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:2006
Source:NAIP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:2005
Source:NAIP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



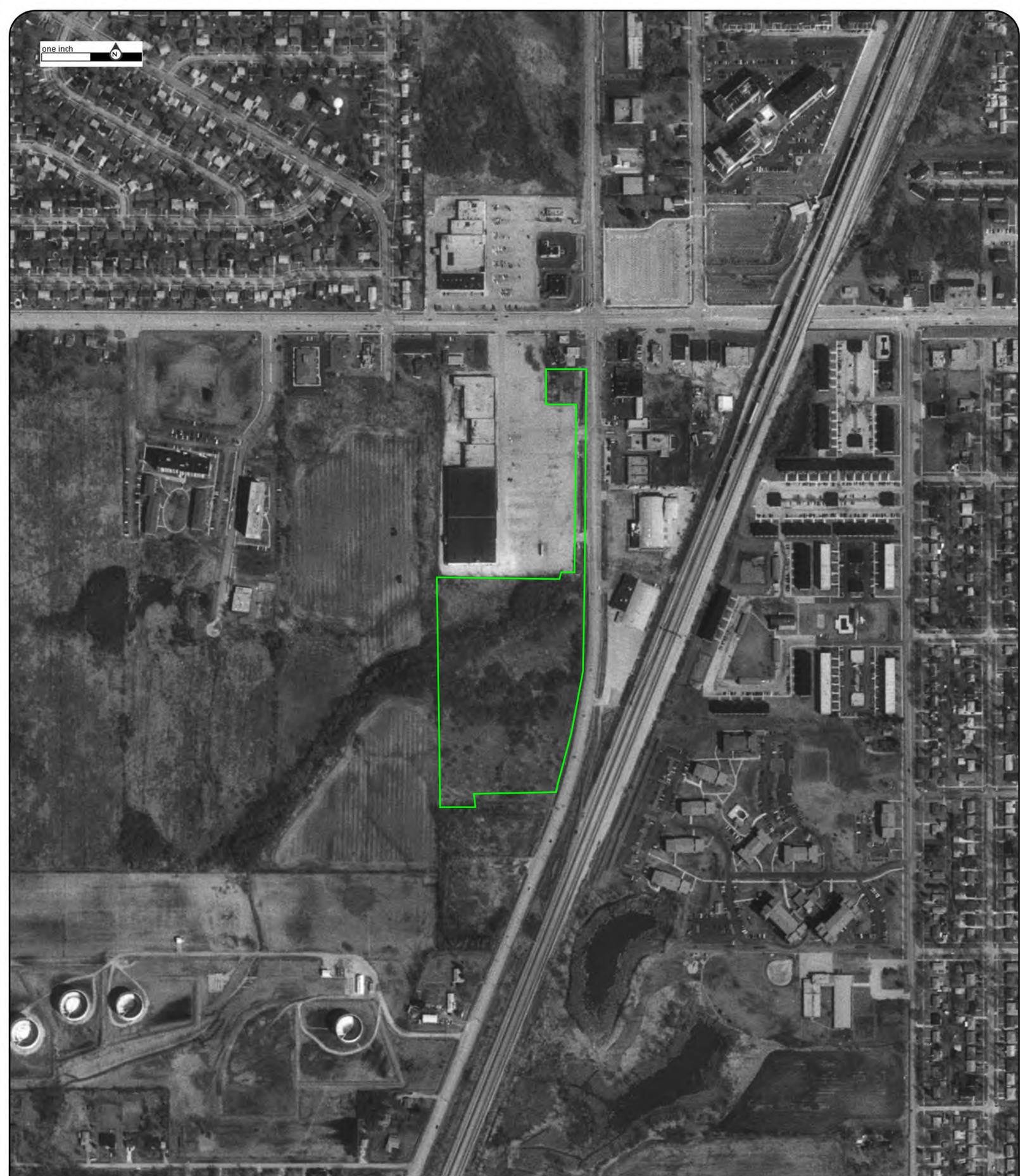
Year:1999
Source:USGS
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:1993
Source:USGS
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



one inch



Year:1987
Source:USGS
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:1984
Source:NHAP
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:1973

Address:Governors Highway,Richton Park,IL

Order No:20200313200

Source:USGS

Approx Center:41.48034791/-87.71415297

Scale:1" to 500'

Comment:



one inch



Year:1962

Address:Governors Highway,Richton Park,IL

Order No:20200313200

Source:USGS

Approx Center:41.48034791/-87.71415297

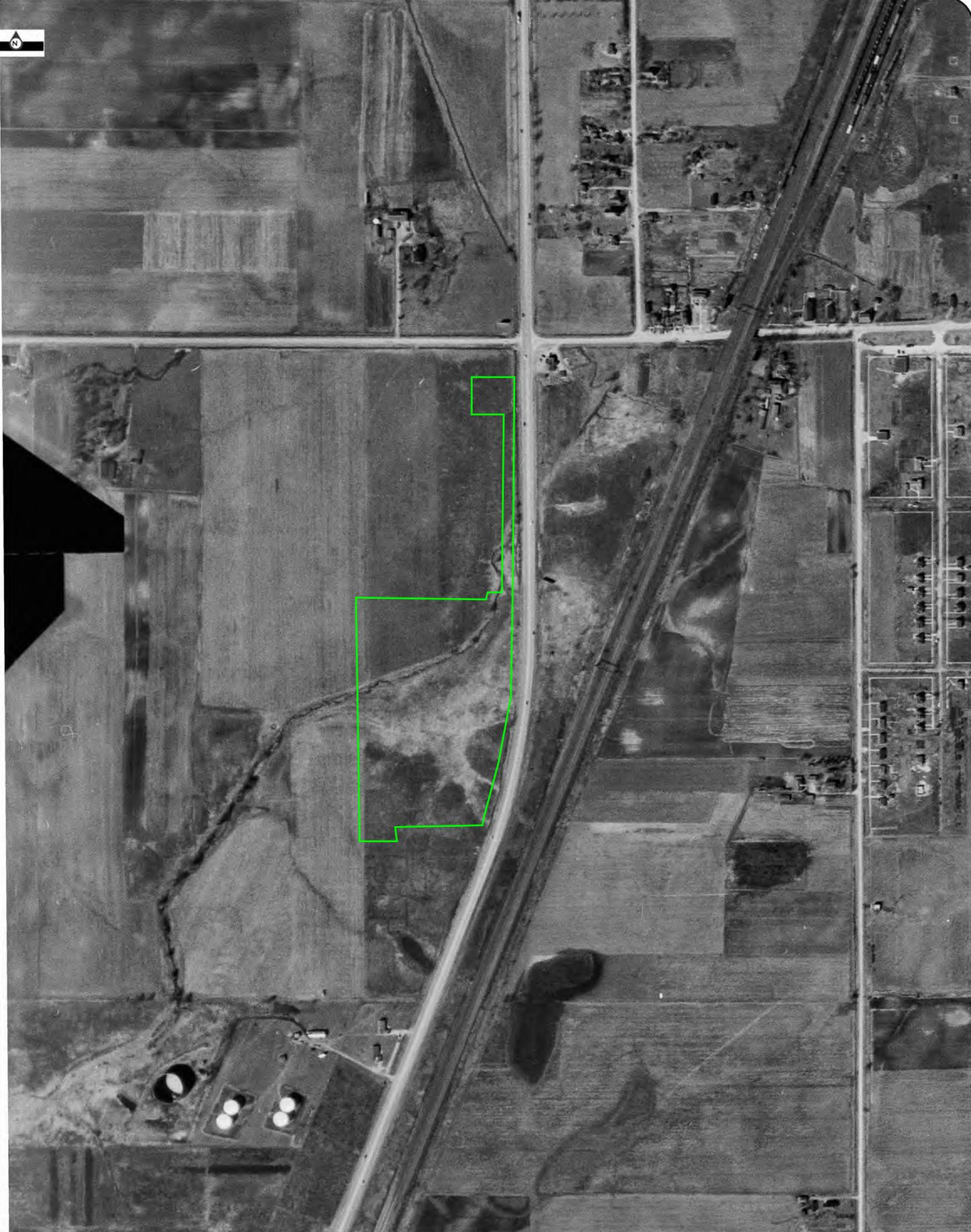
Scale:1" to 500'

Comment:Best Copy Available

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



one inch



Year:1952
Source:USGS
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200



one inch



Year:1938
Source:ASCS
Scale:1" to 500'
Comment:

Address:Governors Highway,Richton Park,IL
Approx Center:41.48034791/-87.71415297

Order No:20200313200

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES





TOPOGRAPHIC MAPS

Project Property: 81.0220064.07
Governors Highway
Richton Park IL

Project No: 81.0220064.07

Requested By: Huff & Huff, Inc.

Order No: 20200313200

Date Completed: March 15, 2020

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1998	7.5
1990	7.5
1978	7.5
1973	7.5
1953	7.5
1930	7.5
1949	15

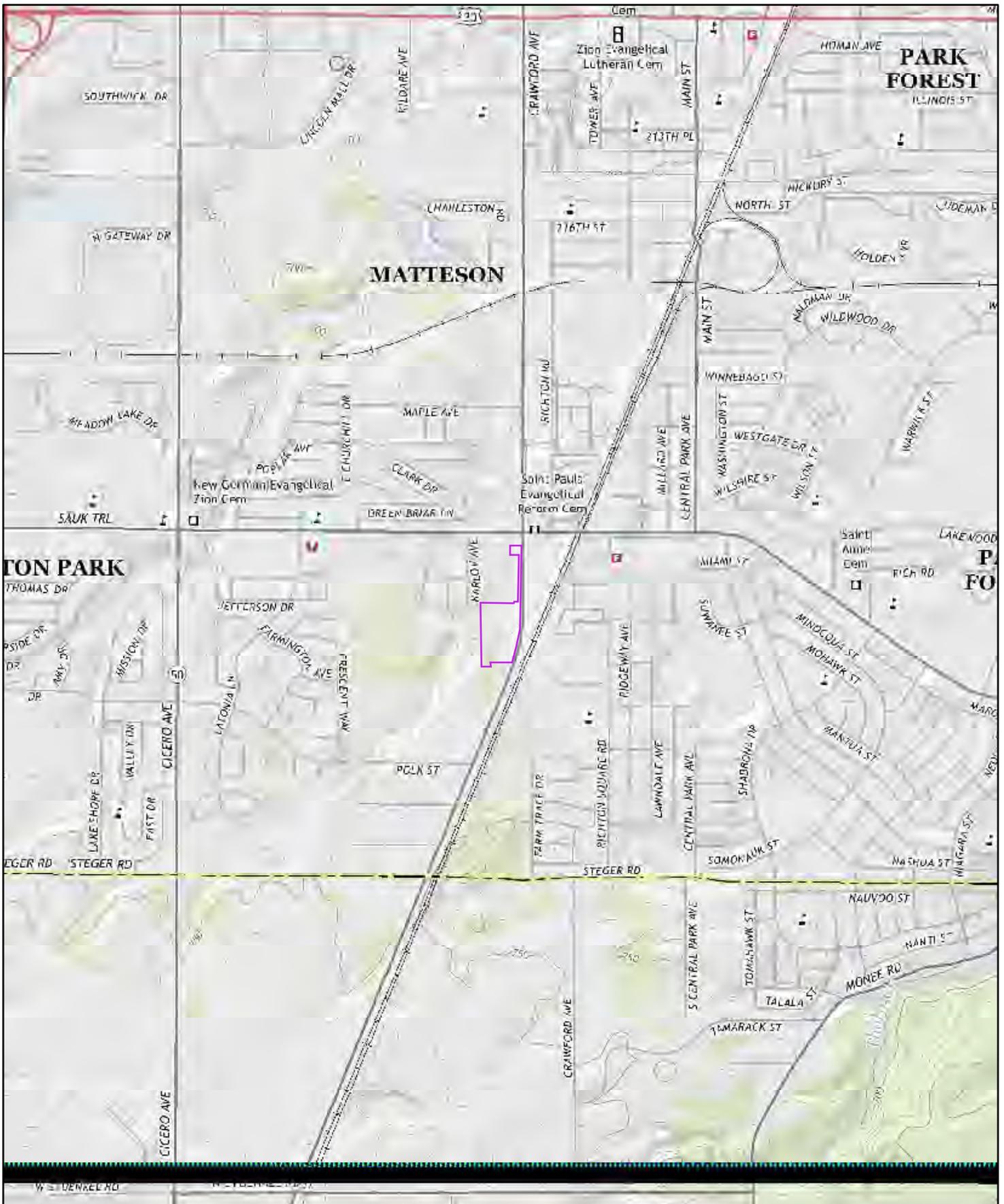
Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

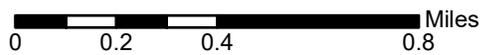
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2015

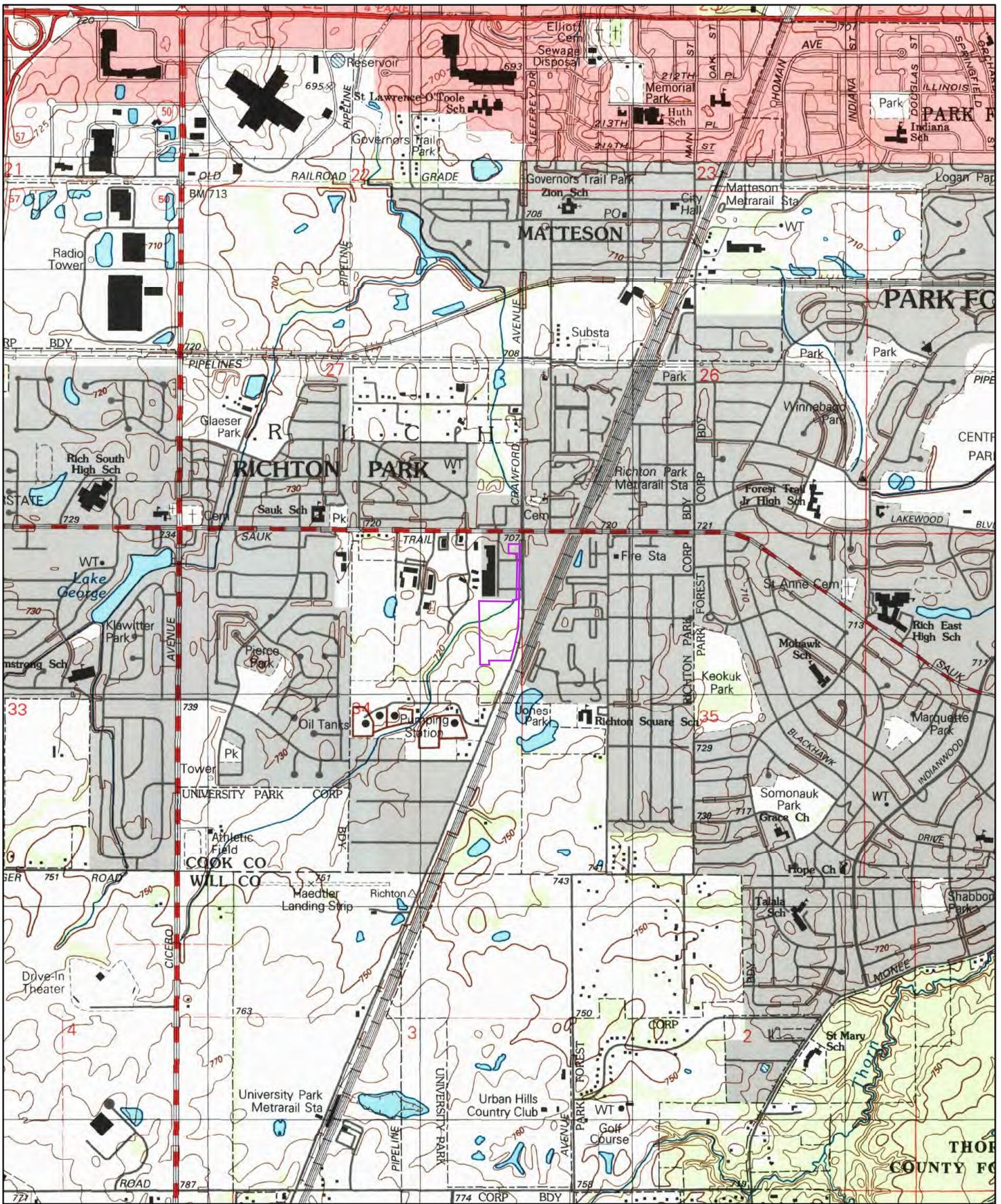


Order No. 20200313200

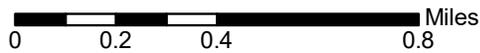
Quadrangle(s): Steger, IL

Source: USGS 7.5 Minute Topographic Map





1998

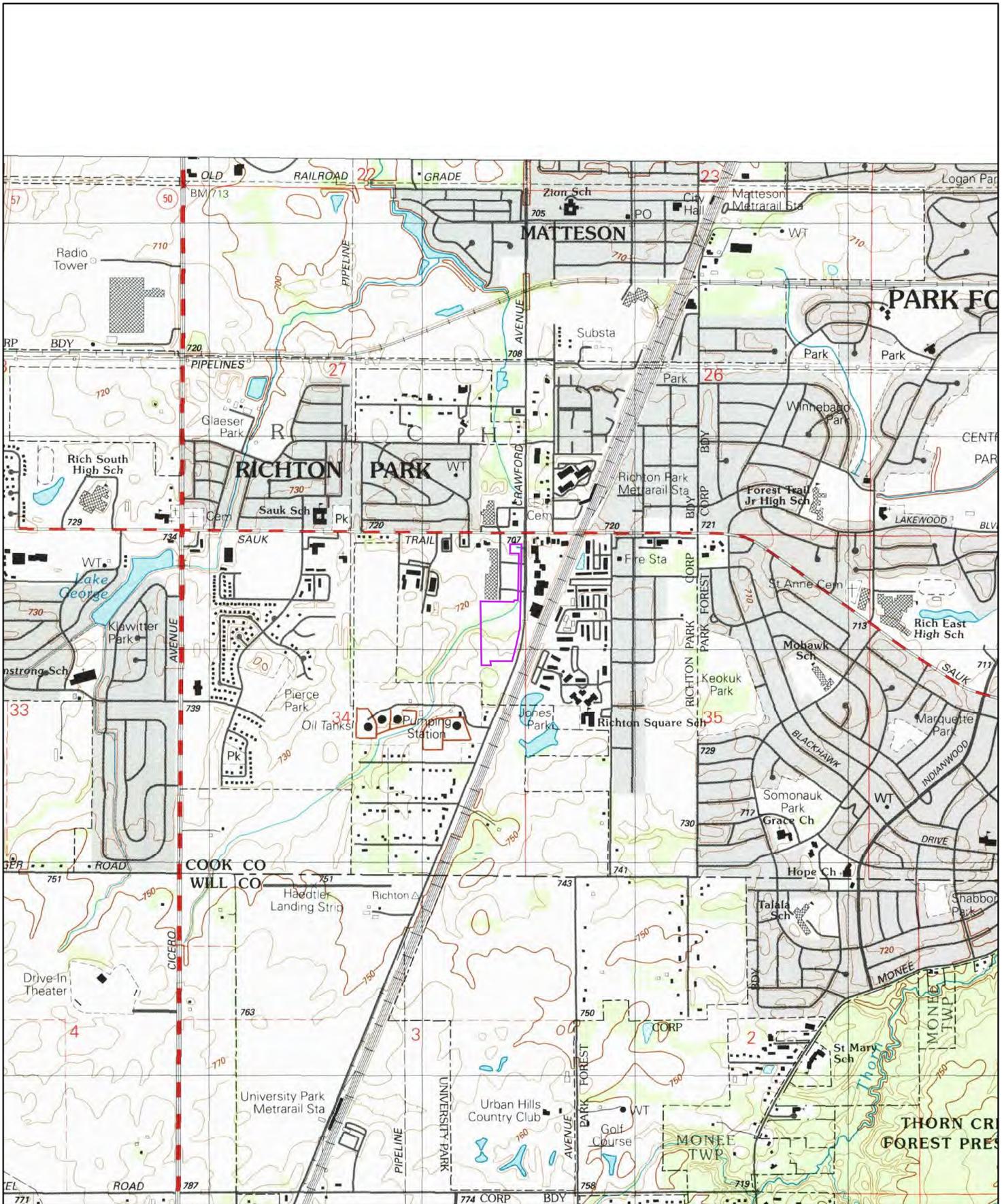


Order No. 20200313200

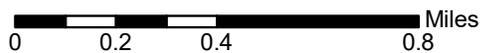
Quadrangle(s): Steger, IL

Source: USGS 7.5 Minute Topographic Map





1990

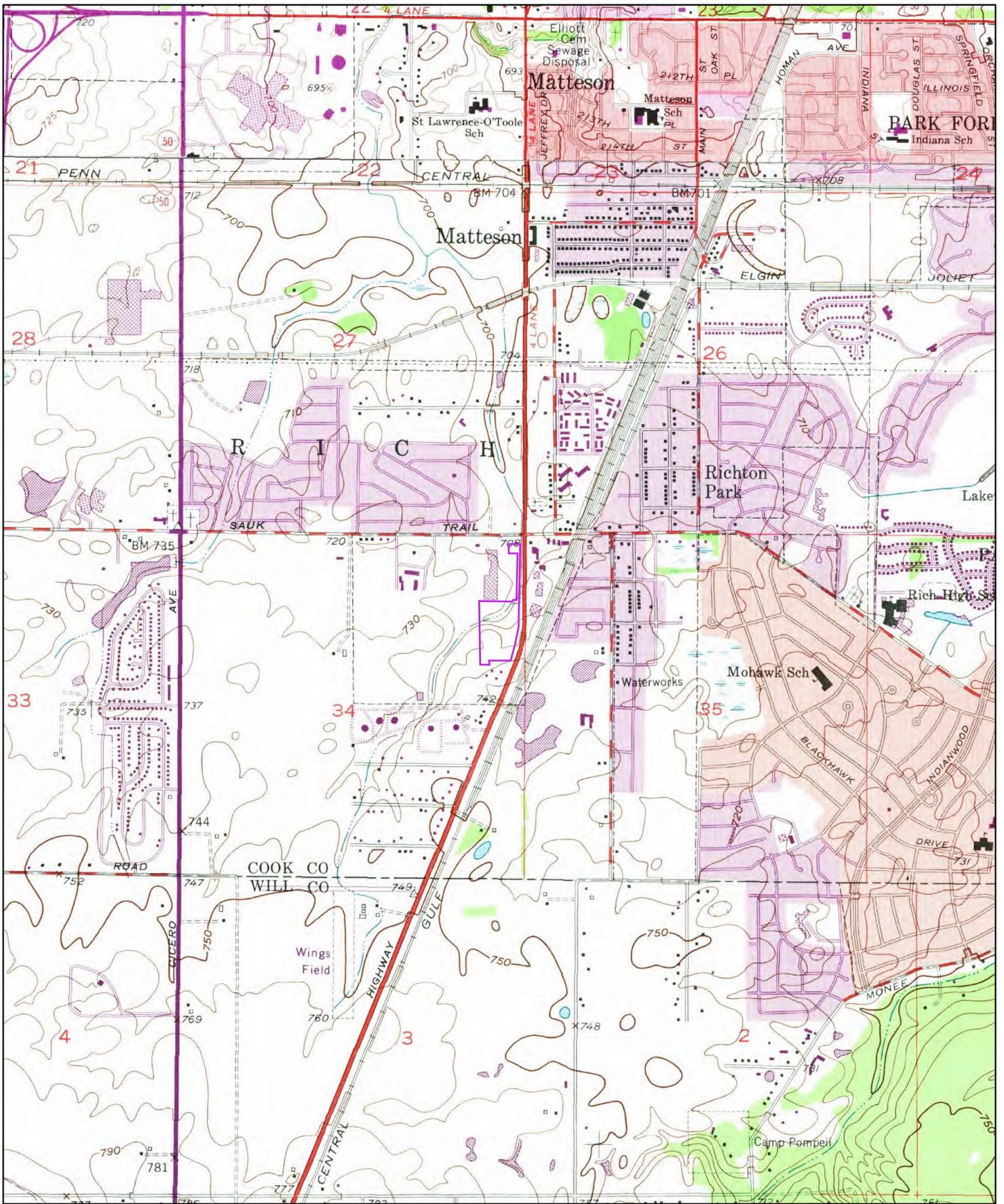


Order No. 20200313200

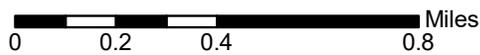
Quadrangle(s): Steger, IL

Source: USGS 7.5 Minute Topographic Map





1973

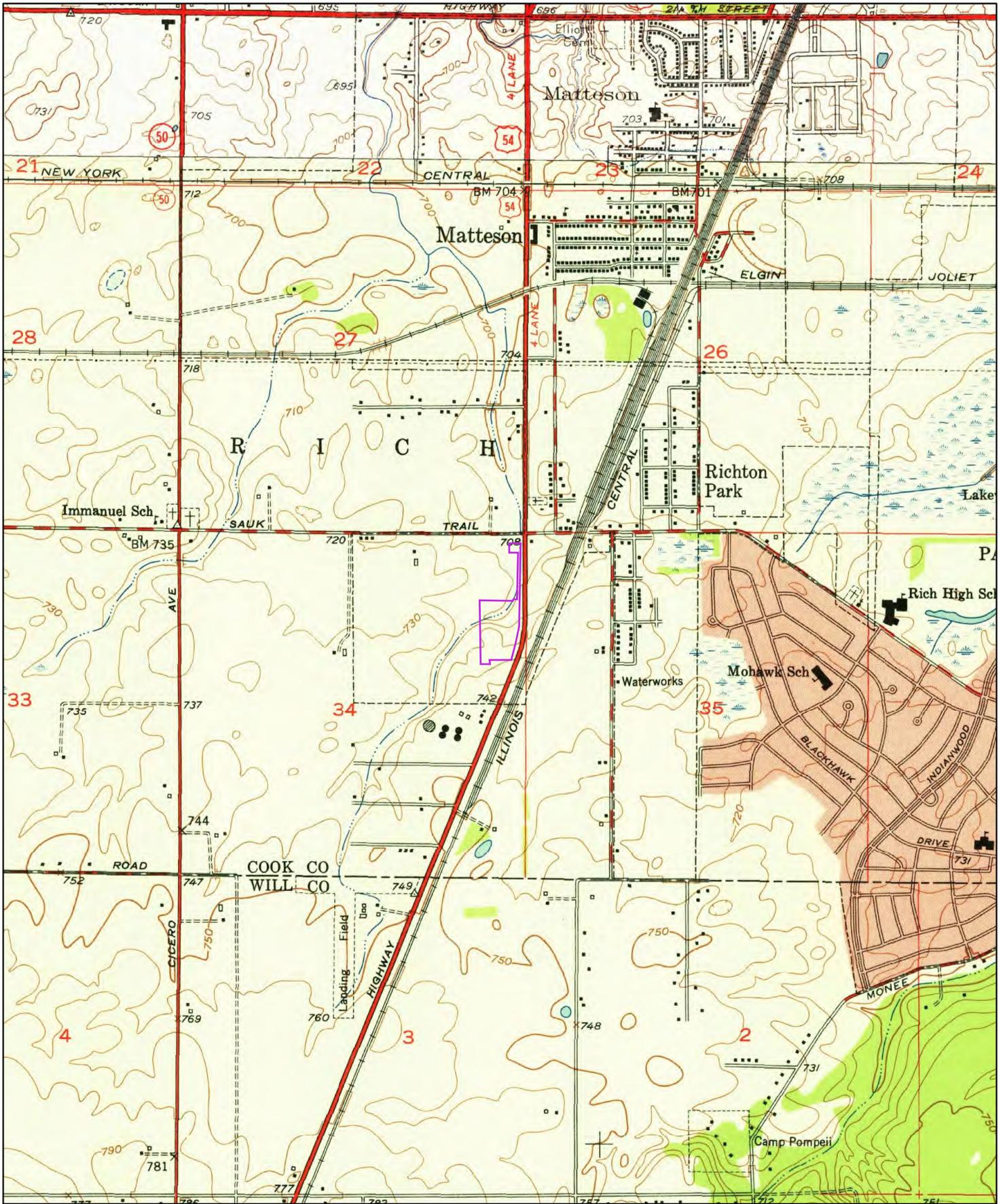


Order No. 20200313200

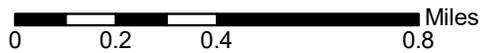
Quadrangle(s): Steger, IL

Source: USGS 7.5 Minute Topographic Map





1953

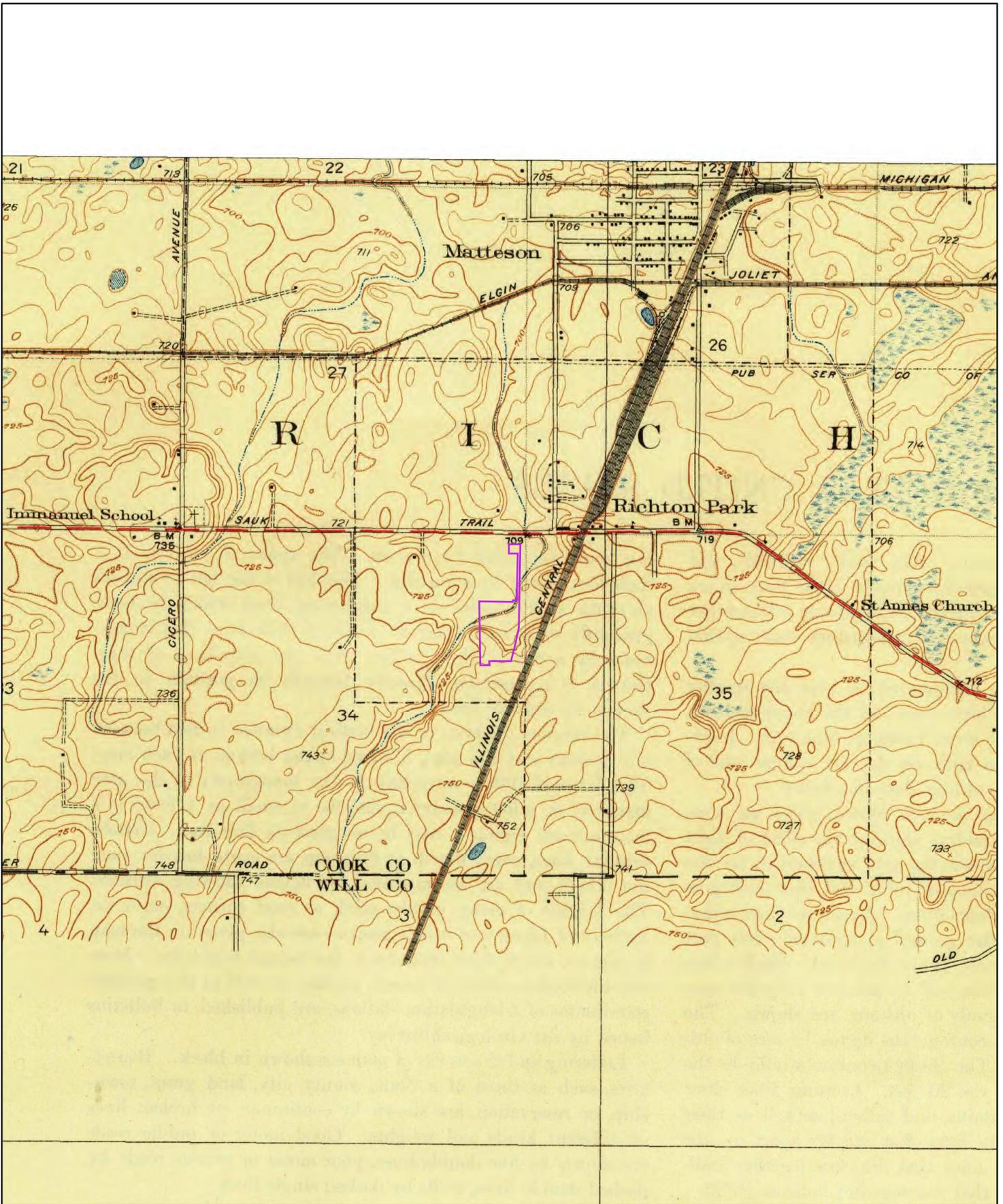


Order No. 20200313200

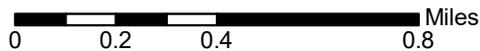
Quadrangle(s): Steger, IL

Source: USGS 7.5 Minute Topographic Map





1930

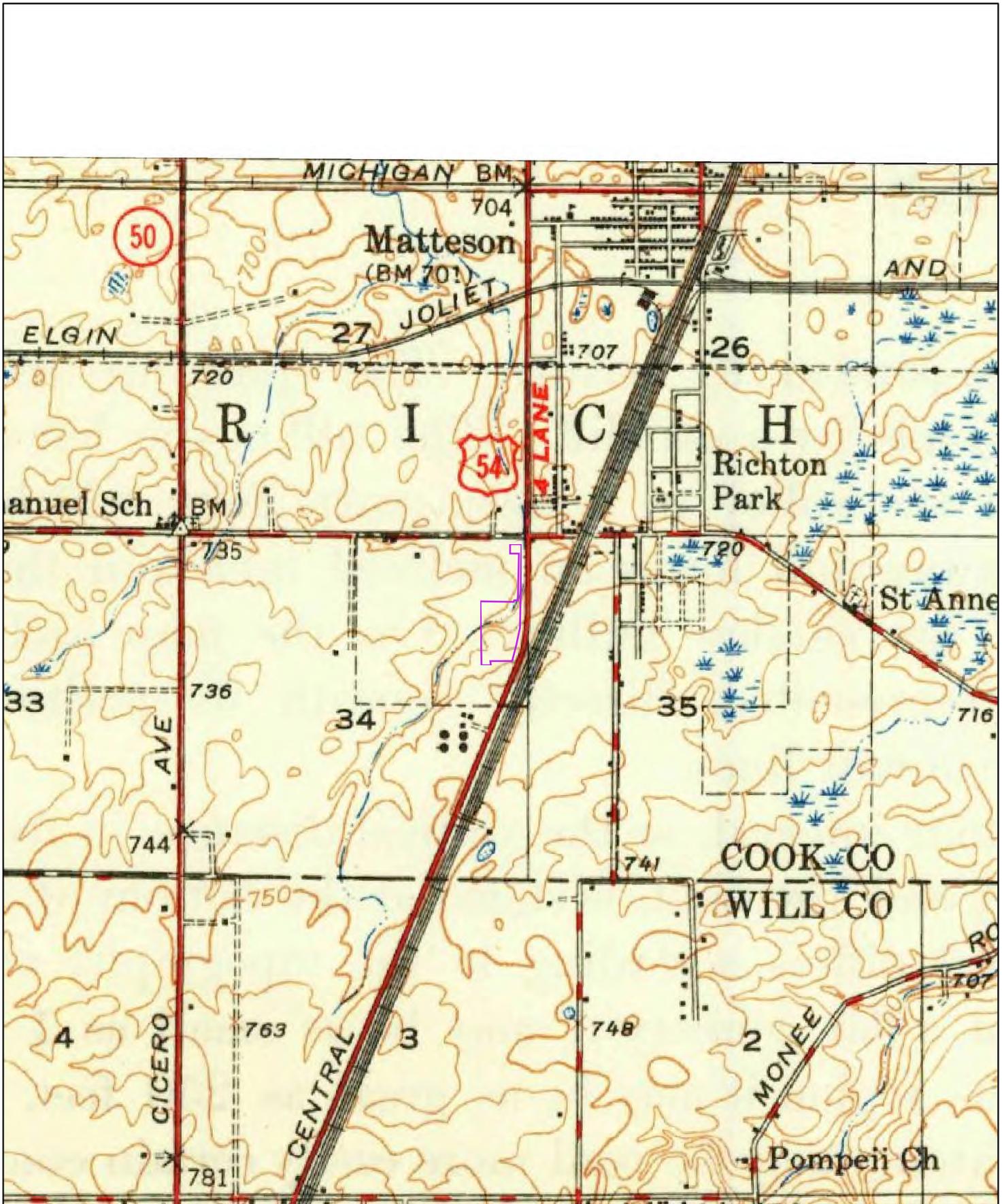


Order No. 20200313200

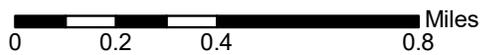
Quadrangle(s): Steger, IL

Source: USGS 7.5 Minute Topographic Map





1949



Order No. 20200313200

Quadrangle(s): Crete, IL

Source: USGS 15 Minute Topographic Map



Advanced Searches

Environmental Information Specialists



ENVIRONMENTAL LIEN SEARCH

(Environmental Liens, Environmental Restrictions on Current Deed, Activity & Use Limitations, Illinois and United States Environmental Protection Agency Documents, Environmental Disclosures)

File Number: L6-5895

Property Address: 22356-22400 Governor's Highway, Richton Park, Illinois

Permanent Index Number: 31 34 206 007, 31 24 206 008

Search Date: March 24, 2020

BRIEF LEGAL DESCRIPTION

TWO PARCELS IN THE EAST ½ OF THE NORTHEAST ¼ OF SECTION 34, TOWNSHIP 35 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.

DOCUMENT	GRANTOR	GRANTEE	INSTRUMENT	DATE RECORDED
31 34 206 007 0531227037	Cook County Clerk	Village of Richton Park	TxD	11-8-05
31 34 206 008 0500335056	Wheeler-Dealer Ltd.	RMS Properties LLC	WD	1-3-05

No Environmental Liens were found on this property.

No deed restrictions were found on this property.

This search meets or exceeds the standards set forth by AAI and ASTM 1527-13.

This search is of the land described herein by the property index number or a street address furnished by the applicant. Advanced Searches assumes no liability for the accuracy of the property index number or street address so furnished.

Furthermore, this search is not a title insurance policy, guarantee, or opinion of title and should not be used as such. This search is of all said properly posted recorded documents in the recorder of deeds office in the county of the described property. While Advanced Searches takes utmost care in recording accurate data, it assumes no liability of mis-posted documents, documents posted to other associated permanent index numbers, or in the accuracy of public recorded property data.

**AUL=activity & use limitation D=deed DinT=deed in trust ED=environmental disclosure
EL=environmental lien ExD=executor's deed
QC=quit claim ShD=sheriff's deed TsD=trustee's deed WD=warranty deed**

Prepared By
Advanced Searches • 6026 South Lake Shore Drive • Cary, Illinois 60013
Phone: 847.921.1022
www.advanced-searches.com



Appendix D - Third-Party Database Report



DATABASE REPORT

Project Property: 81.0220064.07
Governors Highway
Richton Park IL

Project No: 81.0220064.07

Report Type: Database Report

Order No: 20200313200

Requested by: Huff & Huff, Inc.

Date Completed: March 17, 2020

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Executive Summary

Property Information:

Project Property: 81.0220064.07
Governors Highway Richton Park IL

Project No: 81.0220064.07

Coordinates:

Latitude: 41.48034791
Longitude: -87.71415297
UTM Northing: 4,592,328.60
UTM Easting: 440,376.61
UTM Zone: UTM Zone 16T

Elevation: 715 FT

Order Information:

Order No: 20200313200
Date Requested: March 13, 2020
Requested by: Huff & Huff, Inc.
Report Type: Database Report

Historicals/Products:

Aerial Photographs *Historical Aerials (Boundaries)*
ERIS Xplorer [ERIS Xplorer](#)
Excel Add-On *Excel Add-On*
Fire Insurance Maps *US Fire Insurance Maps*
Physical Setting Report (PSR) *Physical Setting Report (PSR)*
Product Summary *Product Summary for Aerials, FIMs & Topos*
Topographic Map *Topographic Maps*

Executive Summary: Report Summary

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
<u>Standard Environmental Records</u>								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	2	0	-	-	2
RCRA CESQG	Y	0.25	0	1	0	-	-	1
RCRA NON GEN	Y	0.25	0	1	0	-	-	1
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	1	0	0	-	1
FEMA UST	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
State								
SSU	Y	1	0	1	0	0	0	1
DELISTED SSU	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWF/LF SPECIAL	Y	0.5	0	0	0	0	-	0
NIPC	Y	0.5	0	0	0	0	-	0
CCDD	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	4	0	4	-	8
LUST DOCUMENT	Y	0.5	0	3	0	2	-	5
DELISTED LUST	Y	0.5	0	0	0	0	-	0
LUST TRUST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	4	0	-	-	4
AST	Y	0.25	0	0	0	-	-	0
DELISTED TANK	Y	0.25	0	0	0	-	-	0
ENG	Y	0.5	0	1	0	0	-	1
INST	Y	0.5	0	1	0	0	-	1
SRP	Y	0.5	0	1	0	0	-	1
REM ASSESS	Y	0.5	0	1	0	0	-	1
BROWNFIELDS	Y	0.5	0	1	0	0	-	1
BROWN MBRGP	Y	0.5	0	1	0	0	-	1
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								
TANKS CHICAGO	Y	0.25	0	0	0	-	-	0
PERMITS CHICAGO	Y	0.125	0	0	-	-	-	0
<u>Additional Environmental Records</u>								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER CONTAM	Y	0.5	0	0	0	0	-	0
NCDL	Y	0.125	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
FED DRYCLEANERS	Y	0.25	0	1	0	-	-	1
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0

State

SPILLS	Y	0.125	0	4	-	-	-	4
SPILLS2	Y	0.125	0	3	-	-	-	3
PFAS	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
CDL	Y	0.25	0	0	0	-	-	0
TIER 2	Y	0.125	0	0	-	-	-	0
AIR PERMITS	Y	0.25	0	1	1	-	-	2

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Total: 0 32 1 6 0 39

* PO – Property Only

* 'Property and adjoining properties' database search radii are set at 0.25 miles.

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
----------------	-----------	--------------------------	----------------	------------------	-------------------------	-----------------------	--------------------

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	UST	Oasis Station #1078	22429 Governors Hwy Richton Park, IL 60471 IL Facility No Facility Status: 2012050 Closed Tank No Status Removed Date: 3 Removed 8/5/1986, 4 Removed 12/15/1989, 1 Removed 8/5/1986, 2 Removed 8/5/1986	SE	0.01 / 46.00	14	23
2	LUST	Ames Dept. Store	22420 Governors Hwy. Richton Park IL 60471 Incident No Incidents ID NFR Date: 930056 14627 06/03/1993	NE	0.00 / 7.23	-3	24
2	UST	Zayre Dept Store #365	22420 Governors Hwy Richton Park, IL 60471 IL Facility No Facility Status: 2020496 Exempt Tank No Status Removed Date: 1 Removed 12/1/1987	NE	0.00 / 7.23	-3	24
2	SPILLS	AMES DEPARTMENT STORE	22420 GOVERNORS HIGHWAY RICHTON PARK IL Incident No: 930056	NE	0.00 / 7.23	-3	25
2	LUST DOCUMENT	Ames Department Store	22420 Governor Hwy Richton Park IL 60471	NE	0.00 / 7.23	-3	26
3	RCRA SQG	POPLAR CLEANERS	22340 GOVERNORS HWY RICHTON PARK IL 60471 EPA Handler ID: ILR000030908	NNE	0.00 / 3.94	-4	26
4	RCRA NON GEN	MARATHON OIL CO	22300 GOVERNORS HWY RICHTON PARK IL 60471 EPA Handler ID: ILD984818633	NNE	0.01 / 57.75	-6	27
4	LUST	Speedway SuperAmerica	22300 Governors Hwy. Richton Park IL 60471 Incident No Incidents ID NFR Date: 20031239 3120 12/04/2007	NNE	0.01 / 57.75	-6	29
4	LUST	Speedway SuperAmerica #8302	22300 Governors Hwy. Richton Park IL 60471 Incident No Incidents ID NFR Date: 911672 10934 01/30/2008	NNE	0.01 / 57.75	-6	29
4	UST	Speedway #8302	22300 Governor's Hwy Sauk Trail Richton Park, IL 60471 IL Facility No Facility Status: 2013816 Closed Tank No Status Removed Date: 3 Removed 8/19/2003, 4 Removed 8/19/2003, 8 Removed 6/1/1991, 1 Removed 8/19/2003, 2 Removed 8/19/2003, 6 Removed 6/1/1991, 5 Removed 6/1/1991, 7 Removed 6/1/1991	NNE	0.01 / 57.75	-6	30
4	SPILLS	MARATHON OIL COMPANY	22300 GOVERNORS HIGHWAY RICHTON PARK IL Incident No: 911672	NNE	0.01 / 57.75	-6	32
4	SPILLS	SPEEDWAY SUPERAMERICA	22300 GOVERNOR'S HIGHWAY RICHTON PARK IL	NNE	0.01 / 57.75	-6	33

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number	
			Incident No: H 2003 1239					
4	LUST DOCUMENT	Speedway-formerly	22300 Governors Hwy Richton Park IL 60471	NNE	0.01 / 57.75	-6	34	
5	SSU	Richton Park, Village of (Sparks Auto Repair)	22301 S Governors Highway Richton Park IL 60471-1909	NNE	0.02 / 92.16	-5	34	
			Site ID SSU Status: 0312555023 Completed					
5	BROWN MBRGP	Sparks Computerized Car Care Center	22301 Governors Highway Richton Park IL	NNE	0.02 / 92.16	-5	35	
5	LUST	Richton Park, Village of	22301 Governors Highway Richton Park IL 60471	NNE	0.02 / 92.16	-5	35	
			Incident No Incidents ID NFR Date: 20091138 25095					
5	SRP	Village of Richton Park	22301 South Governors Highway Richton Park IL 60471	NNE	0.02 / 92.16	-5	35	
5	INST	Village of Richton Park	22301 South Governors Highway Richton Park IL 60471	NNE	0.02 / 92.16	-5	36	
5	SPILLS2	RIGHTON PARK, VILLAGE OF	22301 GOVERNORS HWY RIGHTON PARK IL	NNE	0.02 / 92.16	-5	37	
			Incident ID Incident LUST: 20091138 Y					
5	UST	Former Sparks Auto Care	22301 Governors Highway Richton Park, IL 60471 IL	NNE	0.02 / 92.16	-5	37	
			Facility No Facility Status: 2044572 Exempt Tank No Status Removed Date: 1 Removed 10/15/2009, 2 Removed 10/15/2009					
5	SPILLS	Village of Richton Park	22301 Governors Highway Richton Park IL	NNE	0.02 / 92.16	-5	38	
			Incident No: H-2009-1138					
5	ENG	Village of Richton Park	22301 South Governors Highway Richton Park IL 60471	NNE	0.02 / 92.16	-5	39	
5	BROWNFIELDS	Sparks Auto Repair	22301 Governors Highway Richton Park IL	NNE	0.02 / 92.16	-5	40	
5	FED BROWNFIELDS	Richton Park	22301 Governors Highway Richton Park IL 60471	NNE	0.02 / 92.16	-5	40	
5	LUST DOCUMENT	Richton Park, Village of - 170001781132	22301 S Governors Hwy Richton Park IL 60471	NNE	0.02 / 92.16	-5	42	

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
5	REM ASSESS	Richton Park, Village of - 170001781132	22301 S Governors Hwy Richton Park IL 60471	NNE	0.02 / 92.16	-5	42
6	RCRA CESQG	HOWARDS AUTO CARE	4035 W SAUK TRAIL RICHTON PARK IL 60471 <i>EPA Handler ID: ILD984839266</i>	NNW	0.07 / 377.55	-6	43
7	RCRA SQG	RICHTON DRY CLEANERS EAGLE	4020 SAUK TRAIL RICHTON PARK IL 60471 <i>EPA Handler ID: ILD981788136</i>	N	0.04 / 221.98	-7	44
7	FED DRYCLEANERS	EAGLE CLEANERS	4020 WEST SAUK TRAIL RICHTON PARK IL 60471	N	0.04 / 221.98	-7	45
7	AIR PERMITS	Eagle Cleaners	4020 W Sauk Trail Richton Park IL 60471	N	0.04 / 221.98	-7	45
8	AIR PERMITS	Bobs Auto Service	22650 Governors Hwy Matteson IL 60443	SSW	0.16 / 840.70	26	46
9	SPILLS2	FRIENDLY TRUCK	SNK TRAIL & RICHTON ROAD RICHTON PARK IL <i>Incident ID Incident LUST: NL820598 </i>	NE	0.10 / 508.10	-4	46
9	SPILLS2	FRIENDLY TRUCK	SNK TRAIL & RICHTON ROAD RICHTON PARK IL <i>Incident ID Incident LUST: NL820598 </i>	NE	0.10 / 508.10	-4	46
10	LUST	Richton Park, Village of	4455 South Sauk Trail Richton Park IL 60471 <i>Incident No Incidents ID NFR Date: 971399 20610 </i>	WNW	0.48 / 2,512.74	5	46
10	LUST DOCUMENT	Richton Park Village of	4455 Sauk Trl Richton Park IL 60471	WNW	0.48 / 2,512.74	5	47
11	LUST	Mobil Oil Corp.	3600 West Sauk Trail Richton Park IL 60471 <i>Incident No Incidents ID NFR Date: 860307B 5447 08/24/2012</i>	ENE	0.49 / 2,593.03	9	47
11	LUST	O'Briens Service	3600 Sauk Trail Richton Park IL 60471 <i>Incident No Incidents ID NFR Date: 910356 10127 08/24/2012</i>	ENE	0.49 / 2,593.03	9	48
11	LUST	OM Richton Park Oil, Inc.	3600 Sauk Trail Richton Park IL 60471	ENE	0.49 / 2,593.03	9	48

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<i>Incident No Incidents ID NFR Date: 20151019 26832 10/10/2018</i>							
11	LUST DOCUMENT	OM Richton Park Oil Inc	3600 Sauk Trl Richton Park IL 60471	ENE	0.49 / 2,593.03	9	48

Executive Summary: Summary by Data Source

Standard

Federal

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Nov 18, 2019 has found that there are 2 RCRA SQG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
POPLAR CLEANERS	22340 GOVERNORS HWY RICHTON PARK IL 60471	NNE	0.00 / 3.94	3
	<i>EPA Handler ID: ILR000030908</i>			
RICHTON DRY CLEANERS EAGLE	4020 SAUK TRAIL RICHTON PARK IL 60471	N	0.04 / 221.98	7
	<i>EPA Handler ID: ILD981788136</i>			

RCRA CESQG - RCRA Conditionally Exempt and Very Small Quantity Generators List

A search of the RCRA CESQG database, dated Nov 18, 2019 has found that there are 1 RCRA CESQG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HOWARDS AUTO CARE	4035 W SAUK TRAIL RICHTON PARK IL 60471	NNW	0.07 / 377.55	6
	<i>EPA Handler ID: ILD984839266</i>			

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Nov 18, 2019 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MARATHON OIL CO	22300 GOVERNORS HWY RICHTON PARK IL 60471	NNE	0.01 / 57.75	4
	<i>EPA Handler ID: ILD984818633</i>			

FED BROWNFIELDS - The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database

A search of the FED BROWNFIELDS database, dated Sep 3, 2019 has found that there are 1 FED BROWNFIELDS site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Richton Park	22301 Governors Highway Richton Park IL 60471	NNE	0.02 / 92.16	5

State

SSU - State Response Action Program Database

A search of the SSU database, dated Aug 20, 2019 has found that there are 1 SSU site(s) within approximately 1.00 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Richton Park, Village of (Sparks Auto Repair)	22301 S Governors Highway Richton Park IL 60471-1909	NNE	0.02 / 92.16	5
<i>Site ID SSU Status: 0312555023 Completed</i>				

LUST - Leaking Underground Storage Tanks (LUST)

A search of the LUST database, dated Dec 2, 2019 has found that there are 8 LUST site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Richton Park, Village of	4455 South Sauk Trail Richton Park IL 60471	WNW	0.48 / 2,512.74	10
<i>Incident No Incidents ID NFR Date: 971399 20610 </i>				
OM Richton Park Oil, Inc.	3600 Sauk Trail Richton Park IL 60471	ENE	0.49 / 2,593.03	11
<i>Incident No Incidents ID NFR Date: 20151019 26832 10/10/2018</i>				
O'Briens Service	3600 Sauk Trail Richton Park IL 60471	ENE	0.49 / 2,593.03	11
<i>Incident No Incidents ID NFR Date: 910356 10127 08/24/2012</i>				
Mobil Oil Corp.	3600 West Sauk Trail Richton Park IL 60471	ENE	0.49 / 2,593.03	11
<i>Incident No Incidents ID NFR Date: 860307B 5447 08/24/2012</i>				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Ames Dept. Store	22420 Governors Hwy. Richton Park IL 60471	NE	0.00 / 7.23	2
<i>Incident No Incidents ID NFR Date: 930056 14627 06/03/1993</i>				
Speedway SuperAmerica #8302	22300 Governors Hwy. Richton Park IL 60471	NNE	0.01 / 57.75	4
<i>Incident No Incidents ID NFR Date: 911672 10934 01/30/2008</i>				
Speedway SuperAmerica	22300 Governors Hwy. Richton Park IL 60471	NNE	0.01 / 57.75	4
<i>Incident No Incidents ID NFR Date: 20031239 3120 12/04/2007</i>				
Richton Park, Village of	22301 Governors Highway Richton Park IL 60471	NNE	0.02 / 92.16	5
<i>Incident No Incidents ID NFR Date: 20091138 25095 </i>				

LUST DOCUMENT - Leaking UST Document

A search of the LUST DOCUMENT database, dated Oct 30, 2019 has found that there are 5 LUST DOCUMENT site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Richton Park Village of	4455 Sauk Trl Richton Park IL 60471	WNW	0.48 / 2,512.74	10
OM Richton Park Oil Inc	3600 Sauk Trl Richton Park IL 60471	ENE	0.49 / 2,593.03	11

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Ames Department Store	22420 Governor Hwy Richton Park IL 60471	NE	0.00 / 7.23	2
Speedway-formerly	22300 Governors Hwy Richton Park IL 60471	NNE	0.01 / 57.75	4
Richton Park, Village of - 170001781132	22301 S Governors Hwy Richton Park IL 60471	NNE	0.02 / 92.16	5

UST - Underground Storage Tank Database (UST)

A search of the UST database, dated Dec 10, 2019 has found that there are 4 UST site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Oasis Station #1078	22429 Governors Hwy Richton Park, IL 60471 IL <i>Facility No Facility Status: 2012050 Closed</i> <i>Tank No Status Removed Date: 3 Removed 8/5/1986, 4 Removed 12/15/1989, 1 Removed 8/5/1986, 2 </i> <i>Removed 8/5/1986</i>	SE	0.01 / 46.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Zayre Dept Store #365	22420 Governors Hwy Richton Park, IL 60471 IL <i>Facility No Facility Status: 2020496 Exempt</i> <i>Tank No Status Removed Date: 1 Removed 12/1/1987</i>	NE	0.00 / 7.23	2
Speedway #8302	22300 Governor's Hwy Sauk Trail Richton Park, IL 60471 IL <i>Facility No Facility Status: 2013816 Closed</i> <i>Tank No Status Removed Date: 3 Removed 8/19/2003, 4 Removed 8/19/2003, 8 Removed 6/1/1991, 1 </i> <i>Removed 8/19/2003, 2 Removed 8/19/2003, 6 Removed 6/1/1991, 5 Removed 6/1/1991, 7 Removed </i> <i>6/1/1991</i>	NNE	0.01 / 57.75	4

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Former Sparks Auto Care	22301 Governors Highway Richton Park, IL 60471 IL <i>Facility No Facility Status: 2044572 Exempt</i> <i>Tank No Status Removed Date: 1 Removed 10/15/2009, 2 Removed 10/15/2009</i>	NNE	0.02 / 92.16	5

ENG - Sites with Engineering Controls

A search of the ENG database, dated Feb 26, 2020 has found that there are 1 ENG site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Village of Richton Park	22301 South Governors Highway Richton Park IL 60471	NNE	0.02 / 92.16	5

INST - Institutional Controls

A search of the INST database, dated Feb 26, 2020 has found that there are 1 INST site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Village of Richton Park	22301 South Governors Highway Richton Park IL 60471	NNE	0.02 / 92.16	5

SRP - Illinois Site Remediation Program Database

A search of the SRP database, dated Feb 26, 2020 has found that there are 1 SRP site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Village of Richton Park	22301 South Governors Highway Richton Park IL 60471	NNE	0.02 / 92.16	5

REM ASSESS - Document Explorer Remediation and Assessment Sites

A search of the REM ASSESS database, dated Oct 30, 2019 has found that there are 1 REM ASSESS site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Richton Park, Village of - 170001781132	22301 S Governors Hwy Richton Park IL 60471	NNE	0.02 / 92.16	5

BROWNFIELDS - Brownfields Redevelopment Assessment Database

A search of the BROWNFIELDS database, dated Sep 12, 2019 has found that there are 1 BROWNFIELDS site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Sparks Auto Repair	22301 Governors Highway Richton Park IL	NNE	0.02 / 92.16	5

BROWN MBRGP - Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA

A search of the BROWN MBRGP database, dated Mar 31, 2013 has found that there are 1 BROWN MBRGP site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Sparks Computerized Car Care Center	22301 Governors Highway Richton Park IL	NNE	0.02 / 92.16	5

Non Standard

Federal

FED DRYCLEANERS - Drycleaner Facilities

A search of the FED DRYCLEANERS database, dated May 29, 2018 has found that there are 1 FED DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
EAGLE CLEANERS	4020 WEST SAUK TRAIL RICHTON PARK IL 60471	N	0.04 / 221.98	7

State

SPILLS - Spills and Incidents

A search of the SPILLS database, dated Dec 11, 2019 has found that there are 4 SPILLS site(s) within approximately 0.12 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
AMES DEPARTMENT STORE	22420 GOVERNORS HIGHWAY RICHTON PARK IL <i>Incident No: 930056</i>	NE	0.00 / 7.23	2
SPEEDWAY SUPERAMERICA	22300 GOVERNOR'S HIGHWAY RICHTON PARK IL <i>Incident No: H 2003 1239</i>	NNE	0.01 / 57.75	4
MARATHON OIL COMPANY	22300 GOVERNORS HIGHWAY RICHTON PARK IL <i>Incident No: 911672</i>	NNE	0.01 / 57.75	4
Village of Richton Park	22301 Governors Highway Richton Park IL	NNE	0.02 / 92.16	5

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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Incident No: H-2009-1138

SPILLS2 - Emergency Response Releases & Spills Database

A search of the SPILLS2 database, dated Dec 11, 2019 has found that there are 3 SPILLS2 site(s) within approximately 0.12 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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RICHTON PARK, VILLAGE OF	22301 GOVERNORS HWY RICHTON PARK IL	NNE	0.02 / 92.16	<u>5</u>
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Incident ID | Incident LUST: 20091138 | Y

FRIENDLY TRUCK	SNK TRAIL & RICHTON ROAD RICHTON PARK IL	NE	0.10 / 508.10	<u>9</u>
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Incident ID | Incident LUST: NL820598 |

FRIENDLY TRUCK	SNK TRAIL & RICHTON ROAD RICHTON PARK IL	NE	0.10 / 508.10	<u>9</u>
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Incident ID | Incident LUST: NL820598 |

AIR PERMITS - Air Permits

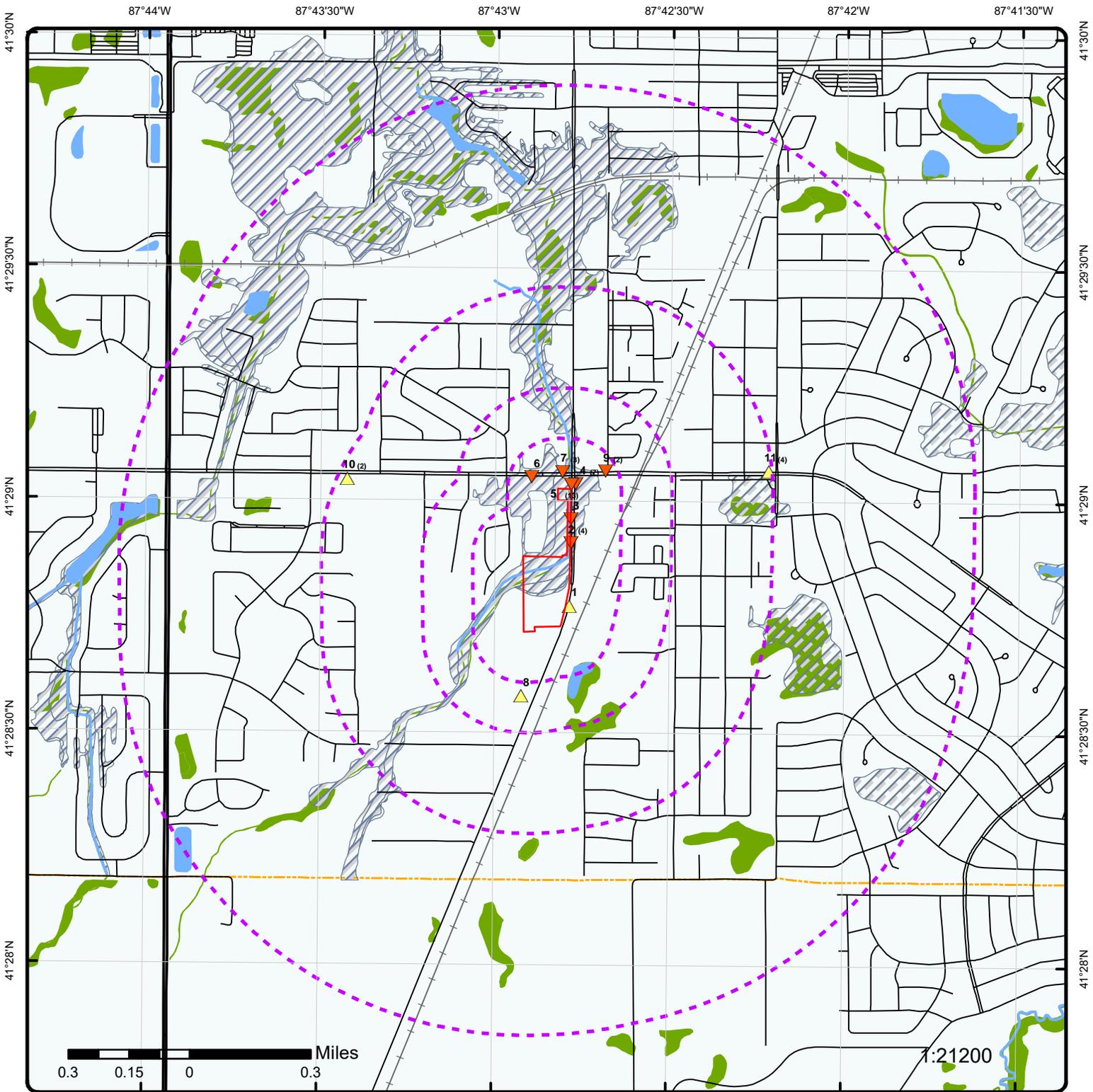
A search of the AIR PERMITS database, dated Oct 30, 2019 has found that there are 2 AIR PERMITS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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Bobs Auto Service	22650 Governors Hwy Matteson IL 60443	SSW	0.16 / 840.70	<u>8</u>
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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Eagle Cleaners	4020 W Sauk Trail Richton Park IL 60471	N	0.04 / 221.98	<u>7</u>
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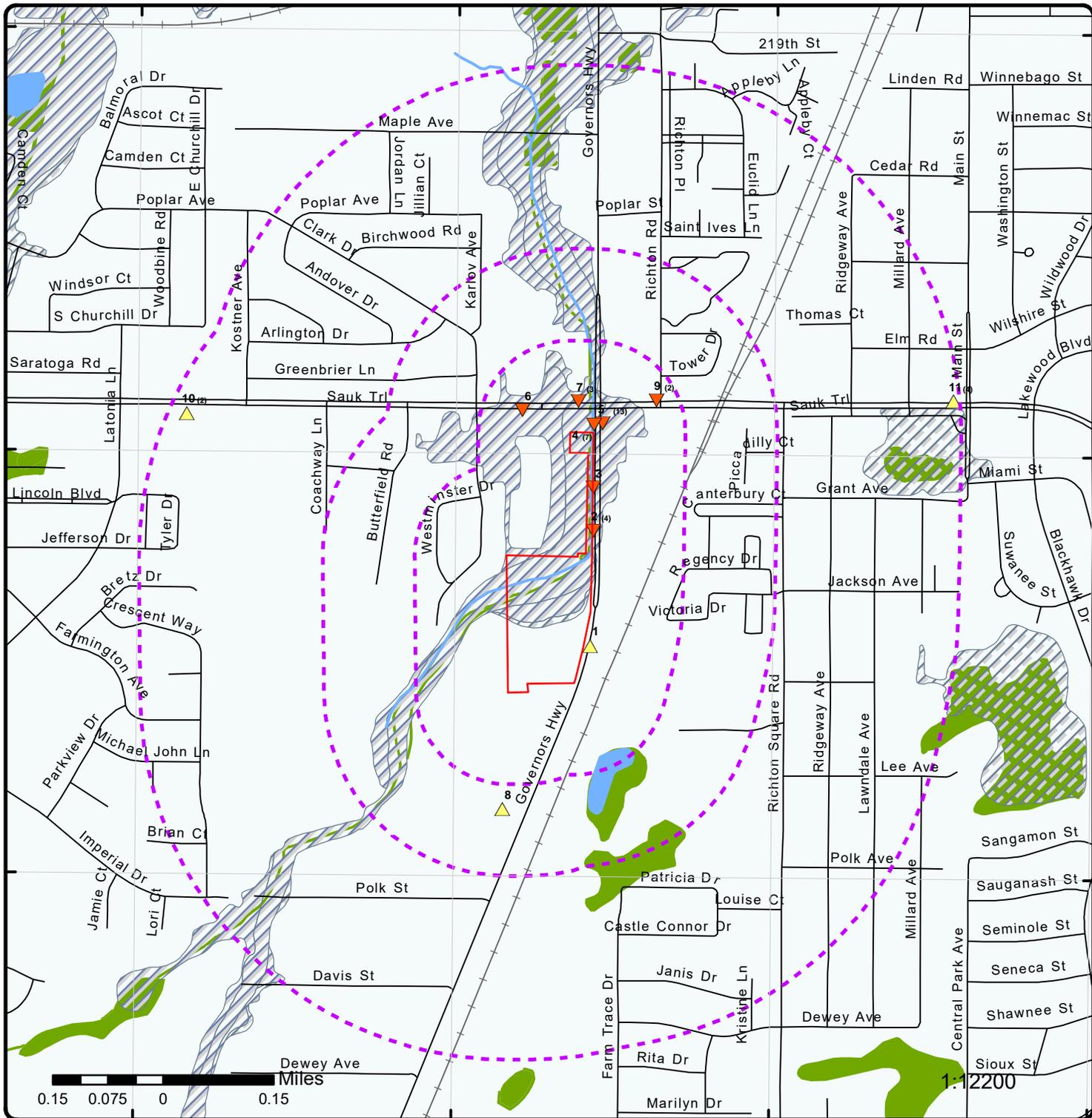
Map : 1.0 Mile Radius

Order Number: 20200313200

Address: Governors Highway, Richton Park, IL



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas: Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas: NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



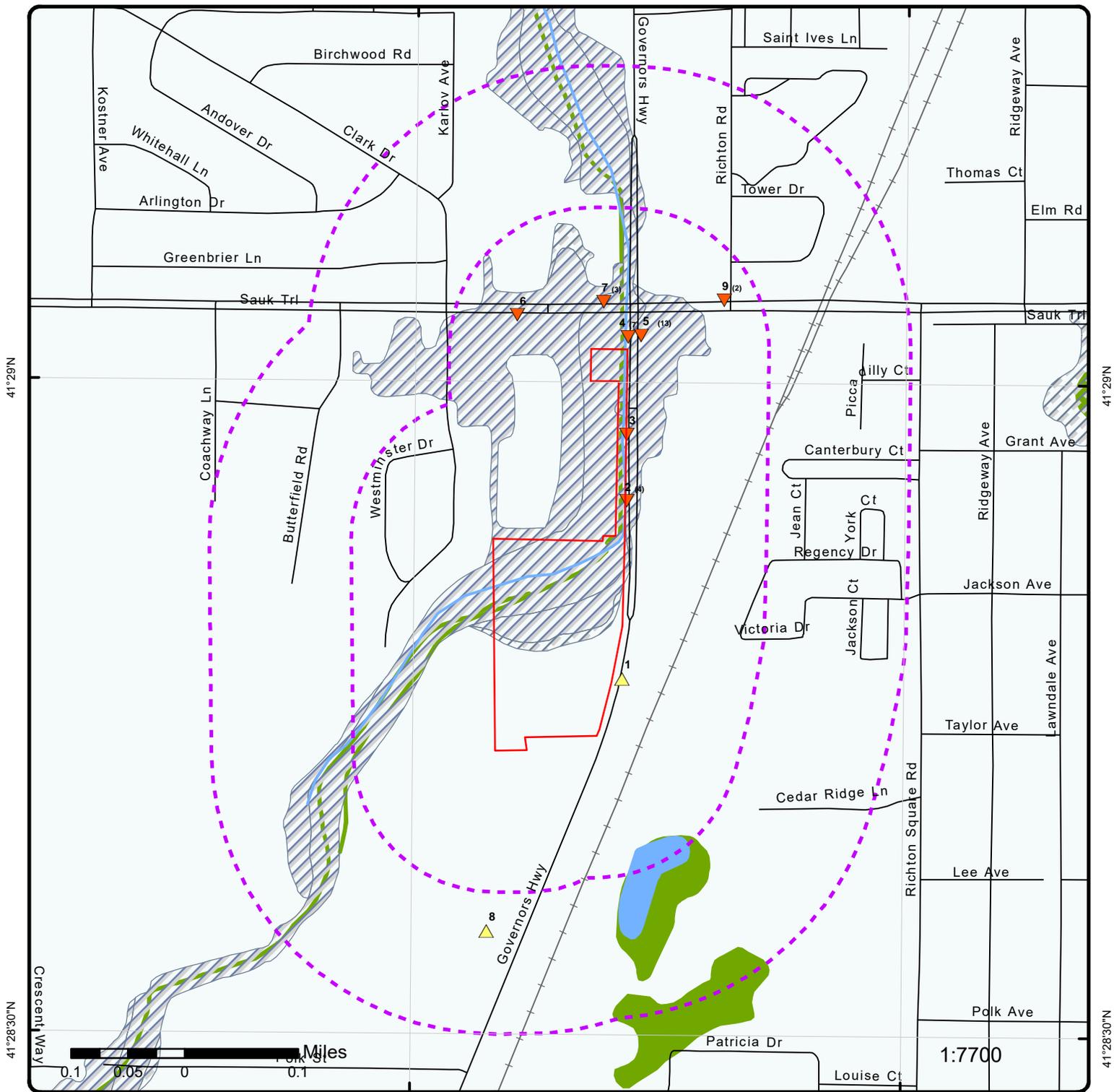
Map : 0.5 Mile Radius

Order Number: 20200313200

Address: Governors Highway, Richton Park, IL



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas: Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas: NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



Map : 0.25 Mile Radius

Order Number: 20200313200
Address: Governors Highway, Richton Park, IL



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas: Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas: NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

41°29'30"N

87°43'30"W

87°43'W

87°42'30"W

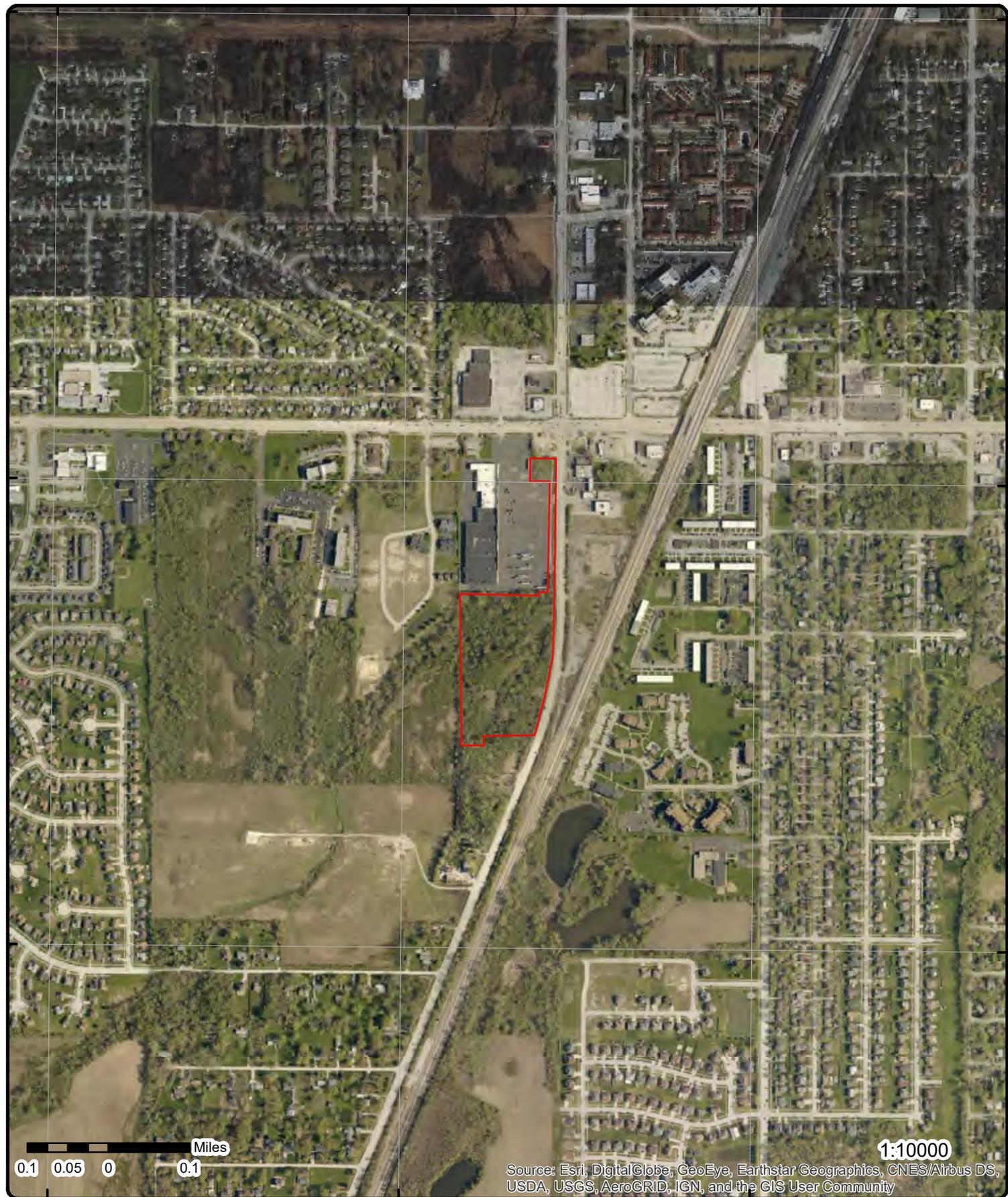
41°29'30"N

41°29'N

41°29'N

41°28'30"N

41°28'30"N



0.1 0.05 0 0.1 Miles

1:10000

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial Year: 2019

Address: Governors Highway, Richton Park, IL

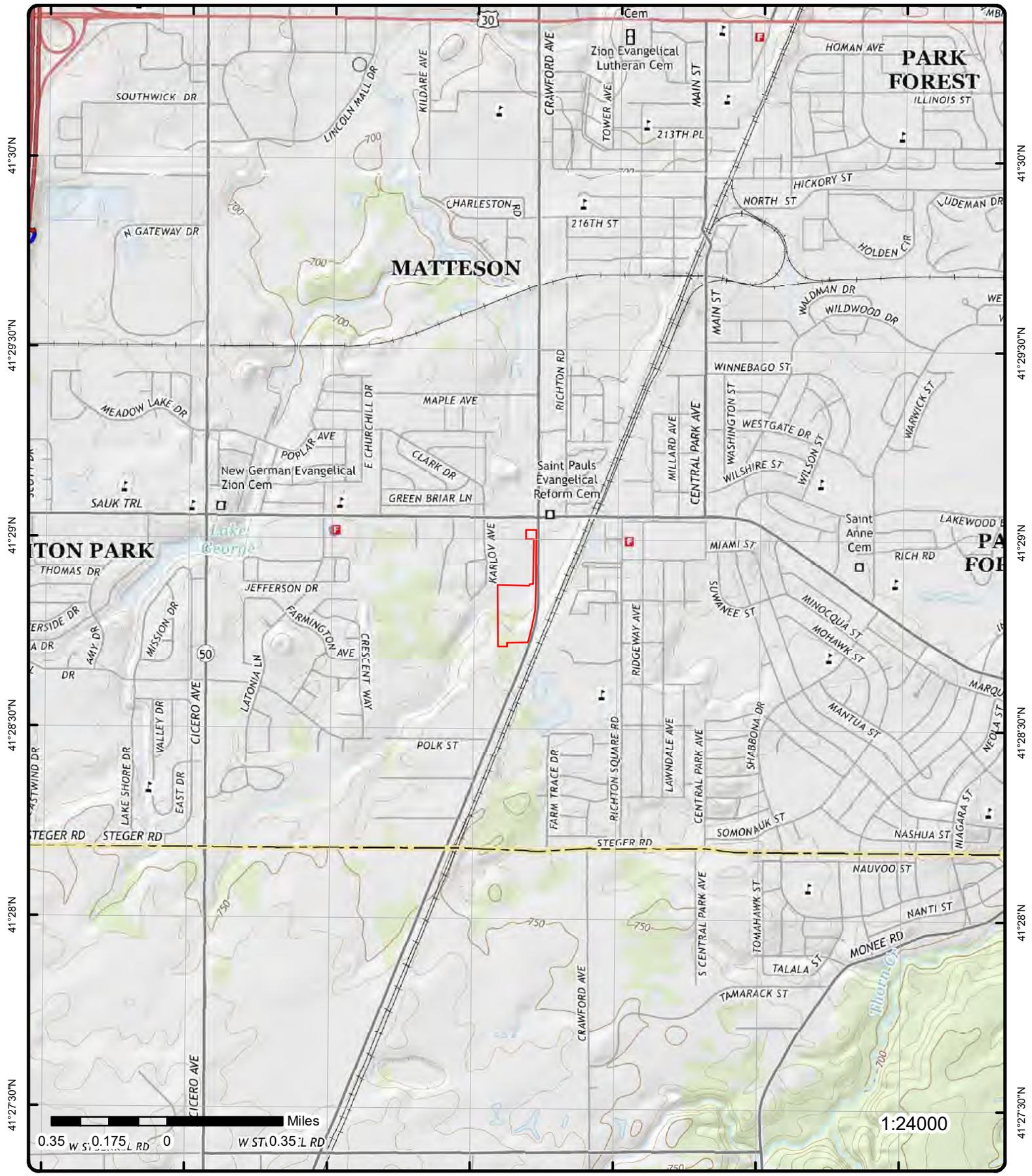
Source: ESRI World Imagery

Order Number: 20200313200



© ERIS Information Inc.

87°44'30"W 87°44'W 87°43'30"W 87°43'W 87°42'30"W 87°42'W 87°41'30"W



Topographic Map Year: 2015

Address: Governors Highway, IL

Quadrangle(s): Steger,IL; Harvey,IL; Frankfort,IL

Source: USGS Topographic Map

Order Number: 20200313200



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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1</u>	1 of 1	SE	0.01 / 46.00	729.22 / 14	Oasis Station #1078 22429 Governors Hwy Richton Park, IL 60471 IL	UST

Facility No:	2012050	Owner Type:	
Facility Status:	Closed	Owner Name:	Zayre Corporation
Facility Type:	None	Owner Status:	Current Owner
County:	Cook		
Facility URL:	http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2012050		

Tank Information

Tank No:	3	Capacity:	12000
UI No:		Petroleum Use:	Gasoline
Status:	Removed	Product:	Gasoline
Removed Date:	8/5/1986	CERCLA Substance:	
Install Date:		Current Age:	22
Abandoned Date:		Abandoned Material:	
Last Used Date:	2/1/1982	Product Date:	
Red Tag Issue Date:		Fee Due:	
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	5/2/1986		

Tank Information

Tank No:	4	Capacity:	1000
UI No:		Petroleum Use:	
Status:	Removed	Product:	
Removed Date:	12/15/1989	CERCLA Substance:	
Install Date:		Current Age:	
Abandoned Date:		Abandoned Material:	
Last Used Date:		Product Date:	
Red Tag Issue Date:		Fee Due:	
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	1/1/1902		

Tank Information

Tank No:	1	Capacity:	10000
UI No:		Petroleum Use:	Gasoline
Status:	Removed	Product:	Gasoline
Removed Date:	8/5/1986	CERCLA Substance:	
Install Date:		Current Age:	22
Abandoned Date:		Abandoned Material:	
Last Used Date:	2/1/1982	Product Date:	
Red Tag Issue Date:		Fee Due:	
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	5/2/1986		

Tank Information

Tank No:	2	Capacity:	10000
UI No:		Petroleum Use:	Gasoline
Status:	Removed	Product:	Gasoline

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Removed Date:	8/5/1986				CERCLA Substance:	
Install Date:					Current Age:	22
Abandoned Date:					Abandoned Material:	
Last Used Date:	2/1/1982				Product Date:	
Red Tag Issue Date:					Fee Due:	
CAS Code:					Regulated Status:	Federal
OSFM First Noti Dt:	5/2/1986					

Owner Summary

Owner No:	U0016780	Owner Status:	Current Owner
Owner Name:	Zayre Corporation	Purchase Date:	
Ownership History:	http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2012050		

Owner Details

Owner Name:	Zayre Corporation	Purchase Date:	
Owner Address:	770 Cochituate Road Framingham, MA 01701	Type Financial Resp:	
Owner Status:	Current Owner	Fin Resp Rpt Due:	

Facility Details

MFD Permit Issue Dt:		Green Tag Decal:	
MFD Permit Exp Dt:		Green Tag Issue Date:	
MFD Forms Status:	No Forms Found	Green Tag Exp Date:	
Property Parcel:		Motor Fuel Type:	
Pending Nov:	No		
Permit History Link:	https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2012050		

<u>2</u>	1 of 4	NE	0.00 / 7.23	711.79 / -3	Ames Dept. Store 22420 Governors Hwy. Richton Park IL 60471	LUST
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Incident No:	930056	LPC No:	0312555009
Incidents ID:	14627	IEMA Date:	01/07/1993
NFR Date:	06/03/1993	Regulation:	731
Gasoline:	False	C 20 Day Report Date:	02/09/1993
Unleaded:	False	C 45 Day Report Date:	02/24/1993
Diesel:	False	NFR Recorded Date:	
Fuel Oil:	False	Pre 74 Date:	
Jet Fuel:	False	Proj Manager Phone:	
Used Oil:	True	Proj Mngr First Nm:	
Non Petroleum Prod:	False	Proj Mngr Last Nm:	Steinheimer
Other Petroleum:	False	Proj Manager Email:	
Non LUST Date:		Site County:	Cook
Non LUST Letter Dt:			
Heating Oil Letter Date:			
Free Product Discovery Date:			
Primary Resp Party Name:	Ames Dept. Store		
Primary Resp Party Address:	2418 Main St.		
Primary Resp Party City:	Rocky Hill		
Primary Resp Party State:	CT		
Primary Resp Party Zip:	06067-0801		
Primary Resp Party Phone:			
Primary Resp Party Contact:	Bob Masson		

<u>2</u>	2 of 4	NE	0.00 / 7.23	711.79 / -3	Zayre Dept Store #365 22420 Governors Hwy Richton Park, IL 60471 IL	UST
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Facility No:	2020496	Owner Type:	Private
Facility Status:	Exempt	Owner Name:	Zayre Corp

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Facility Type: Commercial / Retail
County: Cook
Facility URL: <http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2020496>
Owner Status: Current Owner

Tank Information

Tank No:	1	Capacity:	500
UI No:		Petroleum Use:	
Status:	Removed	Product:	Used Oil
Removed Date:	12/1/1987	CERCLA Substance:	
Install Date:		Current Age:	27
Abandoned Date:		Abandoned Material:	
Last Used Date:		Product Date:	
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Exempt
OSFM First Noti Dt:	5/6/1986		

Owner Summary

Owner No: U0016779
Owner Name: Zayre Corp
Ownership History: <http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2020496>
Owner Status: Current Owner
Purchase Date:

Owner Details

Owner Name: Zayre Corp
Owner Address: 770 Cochitau Rd Framingham, VA 01701
Owner Status: Current Owner
Purchase Date:
Type Financial Resp:
Fin Resp Rpt Due:

Facility Details

MFD Permit Issue Dt:
MFD Permit Exp Dt:
MFD Forms Status: No Forms Found
Property Parcel:
Pending Nov: No
Permit History Link: <https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2020496>
Green Tag Decal:
Green Tag Issue Date:
Green Tag Exp Date:
Motor Fuel Type:

2	3 of 4	NE	0.00 / 7.23	711.79 / -3	AMES DEPARTMENT STORE 22420 GOVERNORS HIGHWAY RICHTON PARK IL	SPILLS
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Incident No: 930056
Date/Time Occurred:
Area Involved: FIXED FACILITY
Media Release:
Milepost:
County: COOK
Facility Manager:
Fac Manager Phone:
Responsible Party Street: 2418 MAIN ST., ROCKY HILL, CT 06067-080 1
Section:
Township:
Range:
Latitude:
Longitude:

Hazardous Materials Incident Report

Hazmat Incident Type: LEAK
LUST?:
Data Input Status: CLOSED
Incident Report Date: 1/6/1993 3:45:00 PM
Street Address: 22420 GOVERNORS HIGHWAY
City: RICHTON PARK
County: COOK
URL: <https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=930056>
Date Entered:
Entered by:
Caller: STEVE UHLARIK
Caller Represents: HSA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Narrative:

Follow Up Information:

Materials Involved

Name:	WASTE OIL	Cause of Release:	UNK.
Type:	UNKNOWN	Est Spill Extent:	
CHRIS CODE:		Spill Extent Units:	
CAS No:		Date/Time Inc Occur:	
UN/NA No:		Unknown Occurr:	
Container Type:	UNDERGROUND TANK	Date/Time Discov:	01/06/93 1000
Container Size:	UNDERGROUND TANK	Unknown Discovered:	
Amount Released:	UNK.	Where Taken:	
Rate of Release Min:		On Scene Contact:	
Duration of Release:		No of People Evacuat:	
A 302(a) Extremely Haz Sub?:			
A RCRA Hazardous Waste?:			
A RCRA Regulated Facility?:			
Public Health Risks:			
State Agency Assistance:			
Containment/Cleanup Plans:			

<u>2</u>	4 of 4	NE	0.00 / 7.23	711.79 / -3	Ames Department Store 22420 Governor Hwy Richton Park IL 60471	LUST DOCUMENT
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Site ID:	170000474582	Interest Type:	LUST
Program ID:	0312555009	Media Code:	LAND
Category:		Latitude Measure:	41.48165
Originating Bureau:		Longitude Measure:	-87.71286
Name (Doc Search):		Name (Geo Search):	Ames Department Store
Addr (Doc Search):		Addr (Geo Search):	22420 Governor Hwy
City (Doc Search):		City (Geo Search):	Richton Park
State (Doc Search):		State (Geo Search):	IL
Zip (Doc Search):		Postal (Geo Search):	60471
Document Count:		Collection Date:	01/01/2001
Total Pages:			
Category Url:			
Data Source:	IEPA Document Explorer - Geographic Search		

<u>3</u>	1 of 1	NNE	0.00 / 3.94	710.74 / -4	POPLAR CLEANERS 22340 GOVERNORS HWY RICHTON PARK IL 60471	RCRA SQG
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EPA Handler ID:	ILR000030908
Gen Status Universe:	Small Quantity Generator
Contact Name:	BETH DONOVITCH
Contact Address:	22340 GOVERNORS HWY , , RICHTON PARK , IL, 60471 , US
Contact Phone No and Ext:	708-481-6690
Contact Email:	
Contact Country:	US
County Name:	COOK
EPA Region:	05
Land Type:	Private
Receive Date:	19961119

Violation/Evaluation Summary

Note: NO RECORDS: As of November 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19961119
Handler Name: POPLAR CLEANERS
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind: Current Owner	Street No:
Type: Private	Street 1: 22340 GOVERNORS HWY
Name: POPLAR CLEANERS	Street 2:
Date Became Current:	City: RICHTON PARK
Date Ended Current:	State: IL
Phone: 708-481-6690	Country:
Source Type: Notification	Zip Code: 60471

<u>4</u>	1 of 7	NNE	0.01 / 57.75	709.69 / -6	MARATHON OIL CO 22300 GOVERNORS HWY RICHTON PARK IL 60471	RCRA NON GEN
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EPA Handler ID: ILD984818633
Gen Status Universe: No Report
Contact Name: JANE PAKONEN
Contact Address: 22300 GOVERNORS HWY , , RICHTON PARK , IL, 60471 , US
Contact Phone No and Ext: 708-335-1199
Contact Email:
Contact Country: US

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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County Name: COOK
EPA Region: 05
Land Type:
Receive Date: 20050520

Violation/Evaluation Summary

Note: NO RECORDS: As of November 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19910321
Handler Name: MARATHON OIL CO
Generator Status Universe: No Report
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20050520
Handler Name: MARATHON OIL CO
Generator Status Universe: No Report
Source Type: Implementer

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:
Type:	Private	Street 1:
Name:	MARATHON OIL CO	Street 2:
Date Became Current:		City:
Date Ended Current:		State:
Phone:		Country:
Source Type:	Implementer	Zip Code:

Owner/Operator Ind:	Current Owner	Street No:
Type:	Private	Street 1:
Name:	MARATHON OIL CO	Street 2:
Date Became Current:		City:
Date Ended Current:		State:
Phone:		Country:
Source Type:	Notification	Zip Code:

Historical Handler Details

Receive Dt:	19910321
Generator Code Description:	Small Quantity Generator
Handler Name:	MARATHON OIL CO

<u>4</u>	2 of 7	NNE	0.01 / 57.75	709.69 / -6	Speedway SuperAmerica 22300 Governors Hwy. Richton Park IL 60471	LUST
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Incident No:	20031239	LPC No:	0312555006
Incidents ID:	3120	IEMA Date:	08/19/2003
NFR Date:	12/04/2007	Regulation:	P.A.
Gasoline:	True	C 20 Day Report Date:	09/12/2003
Unleaded:	False	C 45 Day Report Date:	10/08/2003
Diesel:	False	NFR Recorded Date:	01/07/2008
Fuel Oil:	False	Pre 74 Date:	
Jet Fuel:	False	Proj Manager Phone:	(217) 557-8764
Used Oil:	False	Proj Mngr First Nm:	Jason
Non Petroleum Prod:	False	Proj Mngr Last Nm:	Donnelly
Other Petroleum:	True	Proj Manager Email:	Jason.Donnelly@illinois.gov
Non LUST Date:		Site County:	Cook
Non LUST Letter Dt:			
Heating Oil Letter Date:			
Free Product Discovery Date:			
Primary Resp Party Name:	Speedway SuperAmerica		
Primary Resp Party Address:	500 Speedway Dr.		
Primary Resp Party City:	Enon		
Primary Resp Party State:	OH		
Primary Resp Party Zip:	45323		
Primary Resp Party Phone:	9378637642		
Primary Resp Party Contact:	Mark B. Kocur		

<u>4</u>	3 of 7	NNE	0.01 / 57.75	709.69 / -6	Speedway SuperAmerica #8302 22300 Governors Hwy. Richton Park IL 60471	LUST
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Incident No:	911672	LPC No:	0312555006
Incidents ID:	10934	IEMA Date:	06/19/1991
NFR Date:	01/30/2008	Regulation:	731
Gasoline:	True	C 20 Day Report Date:	
Unleaded:	False	C 45 Day Report Date:	07/21/1992
Diesel:	False	NFR Recorded Date:	03/10/2008
Fuel Oil:	False	Pre 74 Date:	
Jet Fuel:	False	Proj Manager Phone:	(217) 557-8764

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Used Oil:	False				Proj Mngr First Nm:	Jason
Non Petroleum Prod:	False				Proj Mngr Last Nm:	Donnelly
Other Petroleum:	False				Proj Manager Email:	Jason.Donnelly@illinois.gov
Non LUST Date:					Site County:	Cook
Non LUST Letter Dt:						
Heating Oil Letter Date:						
Free Product Discovery Date:						
Primary Resp Party Name:	Speedway SuperAmerica, LLC					
Primary Resp Party Address:	500 Speedway Dr.					
Primary Resp Party City:	Enon					
Primary Resp Party State:	OH					
Primary Resp Party Zip:	45323					
Primary Resp Party Phone:						
Primary Resp Party Contact:	Steven Baker					

<u>4</u>	4 of 7	NNE	0.01 / 57.75	709.69 / -6	Speedway #8302 22300 Governor's Hwy Sauk Trail Richton Park, IL 60471 IL	UST
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Facility No:	2013816	Owner Type:	Private
Facility Status:	Closed	Owner Name:	Speedway, LLC
Facility Type:	Self-Service/Unattended Self-Service	Owner Status:	Current Owner
County:	Cook		
Facility URL:	http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2013816		

Tank Information

Tank No:	3	Capacity:	10000
UI No:		Petroleum Use:	
Status:	Removed	Product:	Gasoline
Removed Date:	8/19/2003	CERCLA Substance:	
Install Date:	8/1/1991	Current Age:	11
Abandoned Date:		Abandoned Material:	
Last Used Date:	5/12/2003	Product Date:	12/18/1991
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	9/17/1991		

Tank Information

Tank No:	4	Capacity:	1000
UI No:		Petroleum Use:	
Status:	Removed	Product:	Kerosene
Removed Date:	8/19/2003	CERCLA Substance:	
Install Date:	8/1/1991	Current Age:	6
Abandoned Date:		Abandoned Material:	
Last Used Date:	5/12/2003	Product Date:	12/30/1996
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	9/17/1991		

Tank Information

Tank No:	8	Capacity:	550
UI No:		Petroleum Use:	
Status:	Removed	Product:	Used Oil
Removed Date:	6/1/1991	CERCLA Substance:	
Install Date:	1/1/1969	Current Age:	22
Abandoned Date:		Abandoned Material:	
Last Used Date:	6/1/1991	Product Date:	
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	4/30/1986		

Tank Information

Tank No:	1	Capacity:	10000
UI No:		Petroleum Use:	
Status:	Removed	Product:	Gasoline
Removed Date:	8/19/2003	CERCLA Substance:	
Install Date:	8/1/1991	Current Age:	11
Abandoned Date:		Abandoned Material:	
Last Used Date:	5/12/2003	Product Date:	12/18/1991
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	9/17/1991		

Tank Information

Tank No:	2	Capacity:	10000
UI No:		Petroleum Use:	
Status:	Removed	Product:	Gasoline
Removed Date:	8/19/2003	CERCLA Substance:	
Install Date:	8/1/1991	Current Age:	11
Abandoned Date:		Abandoned Material:	
Last Used Date:	5/12/2003	Product Date:	12/18/1991
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	9/17/1991		

Tank Information

Tank No:	6	Capacity:	6000
UI No:		Petroleum Use:	
Status:	Removed	Product:	Gasoline
Removed Date:	6/1/1991	CERCLA Substance:	
Install Date:	1/1/1969	Current Age:	22
Abandoned Date:		Abandoned Material:	
Last Used Date:	6/1/1991	Product Date:	
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	4/30/1986		

Tank Information

Tank No:	5	Capacity:	6000
UI No:		Petroleum Use:	
Status:	Removed	Product:	Gasoline
Removed Date:	6/1/1991	CERCLA Substance:	
Install Date:	1/1/1969	Current Age:	22
Abandoned Date:		Abandoned Material:	
Last Used Date:	6/1/1991	Product Date:	
Red Tag Issue Date:		Fee Due:	\$0.00
CAS Code:		Regulated Status:	Federal
OSFM First Noti Dt:	4/30/1986		

Tank Information

Tank No:	7	Capacity:	8000
UI No:		Petroleum Use:	
Status:	Removed	Product:	Gasoline
Removed Date:	6/1/1991	CERCLA Substance:	
Install Date:	1/1/1969	Current Age:	22
Abandoned Date:		Abandoned Material:	
Last Used Date:	6/1/1991	Product Date:	
Red Tag Issue Date:		Fee Due:	\$0.00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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CAS Code: **Regulated Status:** Federal
 OSFM First Noti Dt: 4/30/1986

Owner Summary

Owner No: U0026552 **Owner Status:** Current Owner
Owner Name: Speedway, LLC **Purchase Date:** 6/28/1994
Ownership History: <http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2013816>

Owner Details

Owner Name: Speedway, LLC **Purchase Date:** 6/28/1994
Owner Address: P.O. Box 1500 Springfield, OH 45501 **Type Financial Resp:**
Owner Status: Current Owner **Fin Resp Rpt Due:**

Owner Summary

Owner No: U0002795 **Owner Status:** Former Owner
Owner Name: Emro **Purchase Date:** 6/28/1994
Ownership History: <http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2013816>

Owner Summary

Owner No: U0009659 **Owner Status:** Former Owner
Owner Name: Marathon Petroleum Company LP **Purchase Date:** 12/31/1967
Ownership History: <http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2013816>

IEMA No

Permit No: 03109-2003REM **Inspection Date:** 8/19/2003
IEMA No: 03-1239 **Inspection Type:** Removal Log
IEMA Link: <http://epadata.epa.state.il.us/land/ust/LIT-Display.asp?INCIDENT=20031239>

LUST Fund Eligibility

IEMA No: 03-1239 **OSFM Received Date:** 8/1/2005
Status: Eligible **OSFM Response Dt:** 8/18/2005
Deductible: \$10,000
Letter:
IEMA Link: <http://epadata.epa.state.il.us/land/ust/LIT-Display.asp?INCIDENT=20031239>

Facility Details

MFD Permit Issue Dt: **Green Tag Decal:** C000780
MFD Permit Exp Dt: **Green Tag Issue Date:** 1/7/2002
MFD Forms Status: No Forms Found **Green Tag Exp Date:** 12/31/2004
Property Parcel: **Motor Fuel Type:**
Pending Nov: No
Permit History Link: <https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2013816>

<u>4</u>	5 of 7	NNE	0.01 / 57.75	709.69 / -6	MARATHON OIL COMPANY 22300 GOVERNORS HIGHWAY RICHTON PARK IL	SPILLS
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Incident No: 911672 **Section:**
Date/Time Occurred: **Township:**
Area Involved: FIXED FACILITY **Range:**
Media Release: **Latitude:**
Milepost: **Longitude:**
County: COOK

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Facility Manager:
Fac Manager Phone:
Responsible Party Street: P.O. BOX 337, 174TH & DIXIE HIGHWAY, HAZEL CREST, IL 60429

Hazardous Materials Incident Report

Hazmat Incident Type:	LEAK	Date Entered:	
LUST?:		Entered by:	
Data Input Status:	CLOSED	Caller:	JANE LABBY
Incident Report Date:	6/19/1991 8:30:00 AM	Caller Represents:	MARATHON OIL COMPANY
Street Address:	22300 GOVERNORS HIGHWAY		
City:	RICHTON PARK		
County:	COOK		
URL:	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=911672		
Narrative:			

Follow Up Information:

Materials Involved

Name:	GASOLINE	Cause of Release:	OVERSPILL
Type:	UNKNOWN	Est Spill Extent:	
CHRIS CODE:		Spill Extent Units:	
CAS No:		Date/Time Inc Occur:	
UN/NA No:		Unknown Occur:	
Container Type:	UNDERGROUND TANK	Date/Time Discov:	06/18/91 1500
Container Size:	UNDERGROUND TANK	Unknown Discovered:	
Amount Released:		Where Taken:	-0-
Rate of Release Min:		On Scene Contact:	
Duration of Release:		No of People Evacuat:	-0-
A 302(a) Extremely Haz Sub?:			
A RCRA Hazardous Waste?:			
A RCRA Regulated Facility?:			
Public Health Risks:	NO		
State Agency Assistance:			
Containment/Cleanup Plans:			

4	6 of 7	NNE	0.01 / 57.75	709.69 / -6	SPEEDWAY SUPERAMERICA 22300 GOVERNOR'S HIGHWAY RICHTON PARK IL	SPILLS
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Incident No:	H 2003 1239	Section:	
Date/Time Occurred:	Unknown @	Township:	
Area Involved:	FIXED FACILITY	Range:	
Media Release:		Latitude:	
Milepost:		Longitude:	
County:	COOK		
Facility Manager:			
Fac Manager Phone:			
Responsible Party Street:	500 SPEEDWAY DRIVE, ENON OH, 45323		

Hazardous Materials Incident Report

Hazmat Incident Type:	LEAK OR SPILL	Date Entered:	
LUST?:		Entered by:	
Data Input Status:	CLOSED	Caller:	
Incident Report Date:	8/19/2003 12:00:00 AM	Caller Represents:	
Street Address:	22300 GOVERNOR'S HIGHWAY		
City:	RICHTON PARK		
County:	COOK		
URL:	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H 2003 1239		
Narrative:			

IEPA, OSFM, CHICAGO FIRE, NRTP, IEMA REGION #4

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Follow Up Information:

Weather Information

Temp:
Wind: NE MINIMAL

Materials Involved

Name:	KEROSENE & GASOLINE	Cause of Release:	500 SPEEDWAY DRIVE, ENON OH, 45323
Type:	LIQUID	Est Spill Extent:	UNKNOWN
CHRIS CODE:		Spill Extent Units:	
CAS No:		Date/Time Inc Occur:	Unknown @
UN/NA No:		Unknown Occurr:	
Container Type:	UNDERGROUND TANK	Date/Time Discov:	08/19/2003 @ 12:30
Container Size:	GASOLINE 1 X 10000 TANK, KEROSENE 1 X 1000 GALLONS	Unknown Discovered:	
Amount Released:	UNKNOWN	Where Taken:	
Rate of Release Min:	N/A	On Scene Contact:	PETE OLSZEWSKI
Duration of Release:		No of People Evacuat:	NONE
A 302(a) Extremely Haz Sub?:			
A RCRA Hazardous Waste?:			
A RCRA Regulated Facility?:			
Public Health Risks:	NONE		
State Agency Assistance:	NONE		
Containment/Cleanup Plans:	TANKS WERE REMOVED AND SOIL WILL BE REMEDIATED		

<u>4</u>	7 of 7	NNE	0.01 / 57.75	709.69 / -6	Speedway-formerly 22300 Governors Hwy Richton Park IL 60471	LUST DOCUMENT
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Site ID:	170000271578	Interest Type:	LUST
Program ID:	0312555006	Media Code:	LAND
Category:	Leaking UST Technical	Latitude Measure:	41.48426
Originating Bureau:	Bureau of Land	Longitude Measure:	-87.7128
Name (Doc Search):	22300 Governors Hwy - 170000271578	Name (Geo Search):	Speedway-formerly
Addr (Doc Search):	22300 Governors Hwy	Addr (Geo Search):	22300 Governors Hwy
City (Doc Search):	Richton Park	City (Geo Search):	Richton Park
State (Doc Search):	IL	State (Geo Search):	IL
Zip (Doc Search):	60471	Postal (Geo Search):	60471
Document Count:	84	Collection Date:	01/01/2001
Total Pages:	1806		
Category Url:	https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1YmxpY1xuUHdkPU4xbWRhJHRyYXRvcjBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0IFUEFJRF09IjE3MDAwMDI3MTU3OCIGQU5EIFtDQVRFR09SWV09IjlxQSI1		
Data Source:	IEPA Document Explorer - Geographic Search; IEPA Document Explorer - Facility/ Site Search		

<u>5</u>	1 of 13	NNE	0.02 / 92.16	709.71 / -5	Richton Park, Village of (Sparks Auto Repair) 22301 S Governors Highway Richton Park IL 60471-1909	SSU
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Site ID:	0312555023	Financed:	ARRA
SSU Status:	Completed	Month Completed:	Nov
Site Size:	0.39	Curr Proj Manager:	1
DTM Year Entered:	2009	Commu Relation:	
Year Comp:	2011	Region Name:	Des Plaines
Use Paid:		County:	Cook
FOS:		Latitude:	41.484017
LP52:		Longitude:	-87.712551
Site Type:	ARRA		
Current Prog:	SSU-ARRA		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Current Program Description: State Sites Unit - American Reinvestment and Recovery Act

<u>5</u>	2 of 13	NNE	0.02 / 92.16	709.71 / -5	Sparks Computerized Car Care Center 22301 Governors Highway Richton Park IL	BROWN MBRGP
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MBRG Site ID: 13601
Planned End Use of Site: Retail/Commercial
Population: 13,621
County: Cook
Grant Agreement Date: 1/13/2009
Grant Termination Date: 1/13/2012
Total Grant Amount to Date: \$10,000.00
Local Contact: Gary Gerdes
 4455 W. Sauk Trail
 Richton Park, IL. 60471-
 (708) 481-8950
 Rick Reinbold
 4455 Sauk Trail
 Richton Park, IL. 60471-1197
 (708) 481-8950

<u>5</u>	3 of 13	NNE	0.02 / 92.16	709.71 / -5	Richton Park, Village of 22301 Governors Highway Richton Park IL 60471	LUST
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Incident No: 20091138	LPC No: 0312555023
Incidents ID: 25095	IEMA Date: 10/15/2009
NFR Date:	Regulation: 734
Gasoline: False	C 20 Day Report Date:
Unleaded: False	C 45 Day Report Date:
Diesel: False	NFR Recorded Date: 01/17/2012
Fuel Oil: False	Pre 74 Date:
Jet Fuel: False	Proj Manager Phone:
Used Oil: True	Proj Mngr First Nm:
Non Petroleum Prod: False	Proj Mngr Last Nm:
Other Petroleum: False	Proj Manager Email:
Non LUST Date:	Site County: Cook
Non LUST Letter Dt:	
Heating Oil Letter Date:	
Free Product Discovery Date:	
Primary Resp Party Name: Richton Park Economic Development Dept.	
Primary Resp Party Address: 4455 West Sauk Trail	
Primary Resp Party City: Richton Park	
Primary Resp Party State: IL	
Primary Resp Party Zip: 60471	
Primary Resp Party Phone:	
Primary Resp Party Contact: Gary Gerdes, Building Commissioner	

<u>5</u>	4 of 13	NNE	0.02 / 92.16	709.71 / -5	Village of Richton Park 22301 South Governors Highway Richton Park IL 60471	SRP
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I EPA ID: 0312555023	Longitude: -87.712551
US EPA ID:	Latitude: 41.484017
County: Cook	

Site Applicant / Consultant Information

RA Title: President	Received SA Date: 9/2/2008 12:00:00 AM
RA First Name: Richard	PM ID: Todd Hall

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RA Last Name:	Reinbold				Foury Letter Date:	
RA Address1:	4455 Sauk Trail				Active Site:	No
RA Address2:					Consultant Address1:	8745 West Higgins Road
RA City:	Richton Park, IL				Consultant Address2:	Suite 300
RA Zip:	60471-1197				Consultant City:	Chicago, IL
Consultant Contact:	Paul Bernstein				Consultant Zip:	60631
RA Company:	Village of Richton Park					
Consultant Company:	AMEC Environment and Infrastructure, Inc.					

Letter Information

NFR Site Name:	Village of Richton Park	Indust Commercial:	Yes
NFR Letter Date:	1/10/2012 12:00:00 AM	Worker Caution:	Yes
Effective:	True	Slab on Grade:	No
NFR Recorded Date:	1/17/2012 12:00:00 AM	BCT:	No
Comp Focus:	Comprehensive	Inst Control Other:	No
RA First Name:	Lee	Building Slab:	No
RA Last Name:	Hogan	Asphalt Used:	No
RA Company:	Village of Richton Park	Concrete Used:	No
RA Address1:	4455 Sauk Trail	Clean Soil Three ft:	No
RA Address2:		Clean Soil Ten ft:	Yes
RA City:	Richton Park, IL	Alternate Barrier:	No
RA Zip:	60471-1197	Other Barrier:	No
Acres:	0.3900	ELUC Other:	No
Ordinance:	No		
ELUC Groundwater Use Restrict:	No		
Groundwater Use Restriction:	Yes		
Highway Authority Agreement:	No		
Land Use:	Industrial/Commercial		

5 5 of 13 **NNE** 0.02 / 92.16 709.71 / -5 **Village of Richton Park**
22301 South Governors Highway
Richton Park IL 60471 **INST**

I EPA ID:	0312555023	Longitude:	-87.712551
US EPA ID:		Latitude:	41.484017
County:	Cook		

Site Applicant / Consultant Information

RA Title:	President	Received SA Date:	9/2/2008 12:00:00 AM
RA First Name:	Richard	PM ID:	Todd Hall
RA Last Name:	Reinbold	Foury Letter Date:	
RA Company:	Village of Richton Park	Active Site:	No
RA Address1:	4455 Sauk Trail	Consultant Address1:	8745 West Higgins Road
RA Address2:		Consultant Address2:	Suite 300
RA City:	Richton Park, IL	Consultant City:	Chicago, IL
RA Zip:	60471-1197	Consultant Zip:	60631
Consultant Contact:	Paul Bernstein		
Consultant Company:	AMEC Environment and Infrastructure, Inc.		

Letters Information

NFR Site Name:	Village of Richton Park	Indust Commercial:	Yes
NFR Letter Date:	1/10/2012 12:00:00 AM	Worker Caution:	Yes
Effective:	True	Slab on Grade:	No
NFR Recorded Date:	1/17/2012 12:00:00 AM	BCT:	No
Comp Focus:	Comprehensive	Inst Control Other:	No
RA First Name:	Lee	Building Slab:	No
RA Last Name:	Hogan	Asphalt Used:	No
RA Company:	Village of Richton Park	Concrete Used:	No
RA Address1:	4455 Sauk Trail	Clean Soil Three ft:	No
RA Address2:		Clean Soil Ten ft:	Yes
RA City:	Richton Park, IL	Alternate Barrier:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RA Zip:	60471-1197				Other Barrier:	No
Acres:	0.3900				ELUC Other:	No
Ordinance:	No					
ELUC Groundwater Use Restrict:		No				
Groundwater Use Restriction:		Yes				
Highway Authority Agreement:		No				
Land Use:		Industrial/Commercial				

5 6 of 13 NNE 0.02 / 92.16 709.71 / -5 RICHTON PARK, VILLAGE OF 22301 GOVERNORS HWY RICHTON PARK IL SPILLS2

Incident ID: 20091138 Occured Date:
 Received Date: 10/15/2009 10:37:00 AM Incident LUST: Y
 Action: Incident County: COOK
 Action Description:

5 7 of 13 NNE 0.02 / 92.16 709.71 / -5 Former Sparks Auto Care 22301 Governors Highway Richton Park, IL 60471 IL UST

Facility No: 2044572 Owner Type:
 Facility Status: Exempt Owner Name: Village of Richton Park
 Facility Type: None Owner Status: Current Owner
 County: Cook
 Facility URL: <http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2044572>

Tank Information

Tank No: 1 Capacity: 550
 UI No: Petroleum Use:
 Status: Removed Product: Heating Oil
 Removed Date: 10/15/2009 CERCLA Substance:
 Install Date: Current Age:
 Abandoned Date: Abandoned Material:
 Last Used Date: 12/31/1973 Product Date:
 Red Tag Issue Date: Fee Due:
 CAS Code: Regulated Status: State
 OSFM First Noti Dt: 11/18/2009

Tank Information

Tank No: 2 Capacity: 550
 UI No: Petroleum Use:
 Status: Removed Product: Waste Oil
 Removed Date: 10/15/2009 CERCLA Substance:
 Install Date: Current Age:
 Abandoned Date: Abandoned Material:
 Last Used Date: 12/31/1973 Product Date:
 Red Tag Issue Date: Fee Due:
 CAS Code: Regulated Status: Exempt
 OSFM First Noti Dt: 11/18/2009

Owner Summary

Owner No: U0012729 Owner Status: Current Owner
 Owner Name: Village of Richton Park Purchase Date:
 Ownership History: <http://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2044572>

Owner Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Owner Name: Village of Richton Park
Owner Address: 4455 Sauk Trail Richton Park, IL 60471
Owner Status: Current Owner
Purchase Date:
Type Financial Resp:
Fin Resp Rpt Due:

IEMA No

Permit No: 01253-2009REM
IEMA No: 09-1138
IEMA Link: <http://epadata.epa.state.il.us/land/ust/LIT-Display.asp?INCIDENT=20091138>
Inspection Date: 10/15/2009
Inspection Type: Removal Log

Facility Details

MFD Permit Issue Dt:
MFD Permit Exp Dt:
MFD Forms Status: No Forms Found
Property Parcel:
Pending Nov: No
Permit History Link: <https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2044572>
Green Tag Decal:
Green Tag Issue Date:
Green Tag Exp Date:
Motor Fuel Type:

5	8 of 13	NNE	0.02 / 92.16	709.71 / -5	Village of Richton Park 22301 Governors Highway Richton Park IL	SPILLS
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Incident No: H-2009-1138
Date/Time Occurred:
Area Involved: Fixed Facility
Media Release:
Milepost:
County: Cook
Facility Manager:
Fac Manager Phone:
Responsible Party Street: 4455 Sauk Trail
Section:
Township:
Range:
Latitude:
Longitude:

Hazardous Materials Incident Report

Hazmat Incident Type: Leak or Spill
LUST?: Yes
Data Input Status: Closed
Incident Report Date: 10/15/2009 10:37:58 AM
Street Address: 22301 Governors Highway
City: Richton Park
County: Cook
URL: <https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H-2009-1138>
Narrative:
Date Entered:
Entered by: Joshua DeHeve
Caller: Sarah Oliver
Caller Represents: Apex Companies

Follow Up Information:

Weather Information

Temp: N/A
Wind: N/A

Materials Involved

Name:
Type:
CHRIS CODE:
CAS No:
UN/NA No:
Container Type:
Container Size:
Cause of Release:
Est Spill Extent:
Spill Extent Units:
Date/Time Inc Occur:
Unknown Occurr: Yes
Date/Time Discov: 2009-10-15 10:30:00
Unknown Discovered:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Amount Released:					Where Taken:	N/A
Rate of Release Min:					On Scene Contact:	Sarah Oliver
Duration of Release:					No of People Evacuat:	None
A 302(a) Extremely Haz Sub?:						
A RCRA Hazardous Waste?:						
A RCRA Regulated Facility?:						
Public Health Risks:		None				
State Agency Assistance:		None				
Containment/Cleanup Plans:		Soil and tank removal				

Materials Involved

Name:	Waste Oil	Cause of Release:	Corrosion
Type:	Liquid	Est Spill Extent:	Unknown
CHRIS CODE:	No	Spill Extent Units:	
CAS No:	No	Date/Time Inc Occur:	
UN/NA No:	No	Unknown Occurr:	
Container Type:	Under Ground Storage Tank	Date/Time Discov:	
Container Size:	1,000 Gallons	Unknown Discovered:	
Amount Released:	Unknown	Where Taken:	
Rate of Release Min:	Unknown	On Scene Contact:	
Duration of Release:		No of People Evacuat:	
A 302(a) Extremely Haz Sub?:	No		
A RCRA Hazardous Waste?:	No		
A RCRA Regulated Facility?:	No		
Public Health Risks:			
State Agency Assistance:			
Containment/Cleanup Plans:			

Materials Involved

Name:	Heating Oil	Cause of Release:	Corrosion
Type:	Liquid	Est Spill Extent:	Unknown
CHRIS CODE:	No	Spill Extent Units:	
CAS No:	No	Date/Time Inc Occur:	
UN/NA No:	No	Unknown Occurr:	
Container Type:	Under Ground Storage Tank	Date/Time Discov:	
Container Size:	550 Gallons	Unknown Discovered:	
Amount Released:	Unknown	Where Taken:	
Rate of Release Min:	Unknown	On Scene Contact:	
Duration of Release:		No of People Evacuat:	
A 302(a) Extremely Haz Sub?:	No		
A RCRA Hazardous Waste?:	No		
A RCRA Regulated Facility?:	No		
Public Health Risks:			
State Agency Assistance:			
Containment/Cleanup Plans:			

Agency or Persons Notified

Agency:	IEMA	Name of Person:	Emailed
Date/Time:	2009-10-15 10:51:00	Notification Action:	Report Sent
Agency:	IEMA Region 4	Name of Person:	Emailed
Date/Time:	2009-10-15 10:51:00	Notification Action:	Report Sent
Agency:	OSFM	Name of Person:	Emailed
Date/Time:	2009-10-15 10:51:00	Notification Action:	Report Sent
Agency:	N RTP	Name of Person:	Emailed
Date/Time:	2009-10-15 10:51:00	Notification Action:	Report Sent

5	9 of 13	NNE	0.02 / 92.16	709.71 / -5	Village of Richton Park 22301 South Governors Highway	ENG
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Richton Park IL 60471

I EPA ID:	0312555023	Longitude:	-87.712551
US EPA ID:		Latitude:	41.484017
County:	Cook		

Site Applicant / Consultant Information

Active Site:	No	Consultant Contact:	Paul Bernstein
RA Title:	President	Consultant Address 1:	8745 West Higgins Road
RA First Name:	Richard	Consultant Address 2:	Suite 300
RA Last Name:	Reinbold	Consultant City:	Chicago, IL
RA Address 1:	4455 Sauk Trail	Consultant Zip:	60631
RA Address 2:		PM ID:	Todd Hall
RA City:	Richton Park, IL	Received SA Date:	9/2/2008 12:00:00 AM
RA Zip:	60471-1197	Four Letter Date:	
RA Company:	Village of Richton Park		
Consultant Company:	AMEC Environment and Infrastructure, Inc.		

Letters Information

NFR Site Name:	Village of Richton Park	Indust Commercial:	Yes
NFR Letter Date:	1/10/2012 12:00:00 AM	Worker Caution:	Yes
Effective:	True	Slab on Grade:	No
NFR Recorded Date:	1/17/2012 12:00:00 AM	BCT:	No
Comp Focus:	Comprehensive	Inst Control Other:	No
RA First Name:	Lee	Building Slab:	No
RA Last Name:	Hogan	Asphalt Used:	No
RA Company:	Village of Richton Park	Concrete Used:	No
RA Address 1:	4455 Sauk Trail	Clean Soil Three ft:	No
RA Address 2:		Clean Soil Ten ft:	Yes
RA City:	Richton Park, IL	Alternate Barrier:	No
RA Zip:	60471-1197	Other Barrier:	No
Acres:	0.3900	ELUC Other:	No
Ordinance:	No		
ELUC Groundwater Use Restrict:	No		
Groundwater Use Restriction:	Yes		
Highway Authority Agreement:	No		
Land Use:	Industrial/Commercial		

<u>5</u>	10 of 13	NNE	0.02 / 92.16	709.71 / -5	Sparks Auto Repair 22301 Governors Highway Richton Park IL	BROWNFIELDS
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IEPA ID:	312555023	County:	Cook
Contaminant:	Petroleum	Latitude:	41.483986
Completion Date:	39793	Longitude:	-87.7125638
Acreage:	0.5		

<u>5</u>	11 of 13	NNE	0.02 / 92.16	709.71 / -5	Richton Park 22301 Governors Highway Richton Park IL 60471	FED BROWNFIELDS
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Acres Property ID:	125733	SFLLP Fact Owship:	
Prprty Size(Acres):	.65	Hrzntl Collct Mthd:	Global Positioning Method-Unspecified Parameters
Type of Funding:	Hazardous	Source Map Scale:	
Local Property No:		Reference Point:	
Ownership Entity:		Horiz Refer Datum:	North American Datum of 1983
Current Owner:		Latitude:	41.4842466
DID Ownrshp Chng:		Longitude:	-87.7128821
Cleanup Required:	U		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<i>Cntmnt Fnd Ctrl Sbstncs:</i>						
<i>Cntmnt Fnd Petroleum:</i>		Y				
<i>Cntmnt Fnd Asbestos:</i>						
<i>Cntmnt Fnd Lead:</i>						
<i>Cntmnt Fnd Pahs:</i>						
<i>Cntmnt Fnd Pcb:</i>						
<i>Cntmnt Fnd Voc:</i>						
<i>Cntmnt Fnd Selenium:</i>						
<i>Cntmnt Fnd Iron:</i>						
<i>Cntmnt Fnd Arsenic:</i>						
<i>Cntmnt Fnd Cadmium:</i>						
<i>Cntmnt Fnd Chromium:</i>						
<i>Cntmnt Fnd Copper:</i>						
<i>Cntmnt Fnd Mercury:</i>						
<i>Cntmnt Fnd Nickel:</i>						
<i>Cntmnt Fnd Pesticides:</i>						
<i>Cntmnt Fnd Svoc:</i>						
<i>Cntmnt Fnd Other Metals:</i>						
<i>Cntmnt Fnd Other:</i>						
<i>Cntmnt Fnd Other Desc :</i>						
<i>Cntmnt Fnd Unknown:</i>						
<i>Cntmnt Fnd None:</i>						
<i>Cntmnt Clnd Up Ctl Sbst:</i>						
<i>Cntmnt Clnd Up Petroleum:</i>						
<i>Cntmnt Clnd Up Asbestos:</i>						
<i>Cntmnt Clnd Up Lead:</i>						
<i>Cntmnt Clnd Up PAHs:</i>						
<i>Cntmnt Clnd Up PCBs:</i>						
<i>Cntmnt Clnd Up VOCs:</i>						
<i>Cntmnt Clnd Up Selenium:</i>						
<i>Cntmnt Clnd Up Iron:</i>						
<i>Cntmnt Clnd Up Arsenic:</i>						
<i>Cntmnt Clnd Up Cadmium:</i>						
<i>Cntmnt Clnd Up Chromium:</i>						
<i>Cntmnt Clnd Up Copper:</i>						
<i>Cntmnt Clnd Up Mercury:</i>						
<i>Cntmnt Clnd Up Nickel:</i>						
<i>Cntmnt Clnd Up Pesticides:</i>						
<i>Cntmnt Clnd Up Svoc:</i>						
<i>Cntmnt Clnd Oth Metals:</i>						
<i>Cntmnt Clnd Up Other:</i>						
<i>Cntmnt Clnd Up Oth Desc:</i>						
<i>Cntmnt Clnd Up Unknown:</i>						
<i>Cntmnt Clnd Up None:</i>						
<i>Media Affected Air:</i>						
<i>Media Affected Sediments:</i>						
<i>Media Affected Soil:</i>		Y				
<i>Media Affect Drnking Wtr:</i>						
<i>Media Affected Grnd Wtr:</i>		Yes				
<i>Media Affctd Surf Wtr:</i>						
<i>Media Affctd Bldg Matrls:</i>						
<i>Media Affected Indoor Air:</i>						
<i>Media Affected None:</i>						
<i>Media Affected Unknown:</i>						
<i>Media Clnd Up Air:</i>						
<i>Media Clnd Up Sediments:</i>						
<i>Media Clnd Up Soil:</i>						
<i>Media Clnd Up Drnk Wtr:</i>						
<i>Media Clnd Up Grnd Wtr:</i>						
<i>Media Clnd Up Surf Wtr:</i>						
<i>Media Clnd Up Bldg Mats:</i>						
<i>Media Clnd Up Indoor Air:</i>						
<i>Media Clnd Up Unknown:</i>						
<i>St Tribal Prg ID No:</i>						
<i>Further Action Cleanup:</i>						
<i>Enrollment St Tribal Prg:</i>						
<i>Institutional Ctrl ICs Req:</i>		U				
<i>IC Catgry Proprietary Ctrl:</i>						
<i>IC Catgry Informational Dev:</i>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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IC Catgry Govmntl Ctrl:
IC Catgry Enfrc Prmt TIs:
ICs in Place:
Date ICs in Place:
Photographs are Available: Y
Video is Available: N
Description History: Provided Assistance to the Village of Richton Parks contractor and collected the data for possible remedial activities. It is unknown if any work took place at the site after Illinois EPA OSE's involvement.

Detail Information

Grant Recipient Nme:	Illinois Environmental Protection Agency	Acre/Grnspc Create:	
Accmplshmnt Count:	0	Redev Funding Src:	
Coop Agreement No:	96507903	Redev Funding Amt:	
Brwnfld Grant Type:	Section 128(a) State/Tribal	Highlights:	
Assessment Phase:		IC Data Address:	
Assmnt Start Date:		Redev Complete Dt:	
Assmnt Complete Dt:		2010 No Blw Pvrty:	464
Assmnt Funding Amt:		2010 Below Poverty:	9.6%
Cleanup Start Date:		2010 Median Income:	5122
Clnup Complete Dt:		2010 No Low Income:	930
Acres Cleaned Up:		2010 Low Income:	19.3%
Cleanup Fnding Src:		2010 No Vcnt Housng:	166
Cleanup Fnding Amt:		2010 Vacnt Housng:	7.2%
Redevmnt Start Dt:		2010 No Unemployed:	368
Clnup / Redev Jobs:		2010 Unemployed:	7.6%
Assmnt Funding Src:			
Entity Prvde Assmnt Fnds:			
Enty Prvdng Clnup Fnd:			
Entity Prvding Redev Funds:			
Past Use Grnspc Arces:			
Past Use Residential Arces:			
Past Use Commercial Arces:			
Past Use Industrial Arces:			
Past Use Multistory Arces:			
Future Use Multistory Arces:			
Future Use Greenspace:			
Future Use Residential:			
Future Use Commercial:			
Future Use Industrial:			

5	12 of 13	NNE	0.02 / 92.16	709.71 / -5	Richton Park, Village of - 170001781132 22301 S Governors Hwy Richton Park IL 60471	LUST DOCUMENT
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Site ID:	170001781132	Interest Type:	
Program ID:	0312555023	Media Code:	
Category:	Leaking UST Technical	Latitude Measure:	
Originating Bureau:	Bureau of Land	Longitude Measure:	
Name (Doc Search):	Richton Park, Village of - 170001781132	Name (Geo Search):	
Addr (Doc Search):	22301 S Governors Hwy	Addr (Geo Search):	
City (Doc Search):	Richton Park	City (Geo Search):	
State (Doc Search):	IL	State (Geo Search):	
Zip (Doc Search):	60471	Postal (Geo Search):	
Document Count:	3	Collection Date:	
Total Pages:	5		
Category Url:	https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1Ym91Y1xuUHdkPU4xbWRhJHRyYXRvcIBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0IFUEFJRF09IjE3MDAwMmTc4MTEzMiIgQU5EIFtDQVRF09SWV09IjlxQSI1		
Data Source:	IEPA Document Explorer - Facility/ Site Search		

5	13 of 13	NNE	0.02 / 92.16	709.71 / -5	Richton Park, Village of - 170001781132 22301 S Governors Hwy	REM ASSESS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Richton Park IL 60471

Site ID:	170001781132	Name (SWAP):	
Name (Doc Expl):	Richton Park, Village of - 170001781132	Address (SWAP):	
Address (Doc Expl):	22301 S Governors Hwy	City (SWAP):	
City (Doc Expl):	Richton Park	State (SWAP):	
State (Doc Expl):	IL	Postal Code (SWAP):	
Zip (Doc Expl):	60471		
Document Indicator (SWAP):			
Revision Date Time (SWAP):			
Data Source(s):	Illinois EPA Document Explorer		

IEPA Document Explorer

Program ID:	0312555023	Document Count:	45
Category:	Site Remediation - Technical	Total Pages:	1983
Originating Bureau:	Bureau of Land		
Category URL:	https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1Ym91Y1x0UHdkPU4xbWRhJHRyYXRvcjBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0IFUEFJRF09ljE3MDAwMTc4MTEzMilgQU5EIFtDQVRFR09SWV09ljMxQSI1		

<u>6</u>	1 of 1	NNW	0.07 / 377.55	709.39 / -6	HOWARDS AUTO CARE 4035 W SAUK TRAIL RICHTON PARK IL 60471	RCRA CESQG
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EPA Handler ID:	ILD984839266
Gen Status Universe:	Conditionally Exempt Small Quantity Generator
Contact Name:	JERRY PETERS
Contact Address:	4035 W SAUK TRAIL , , RICHTON PARK , IL, 60471 , US
Contact Phone No and Ext:	708-748-3211
Contact Email:	
Contact Country:	US
County Name:	COOK
EPA Region:	05
Land Type:	Private
Receive Date:	19911007

Violation/Evaluation Summary

Note: NO RECORDS: As of November 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No: 1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Receive Date: 19911007
Handler Name: HOWARDS AUTO CARE
Generator Status Universe: Conditionally Exempt Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	4035 W SAUK TRAIL
Name:	HOWARDS AUTO CARE	Street 2:	
Date Became Current:		City:	RIGHTON PARK
Date Ended Current:		State:	IL
Phone:	708-748-3211	Country:	
Source Type:	Notification	Zip Code:	60471

7	1 of 3	N	0.04 / 221.98	707.94 / -7	RIGHTON DRY CLEANERS EAGLE 4020 SAUK TRAIL RIGHTON PARK IL 60471	RCRA SQG
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EPA Handler ID: ILD981788136
Gen Status Universe: Small Quantity Generator
Contact Name: STEVEN POCOK
Contact Address: 4020 SAUK TRAIL , , RIGHTON PARK , IL, 60471 , US
Contact Phone No and Ext: 708-798-4260
Contact Email:
Contact Country: US
County Name: COOK
EPA Region: 05
Land Type: Private
Receive Date: 19980505

Violation/Evaluation Summary

Note: NO RECORDS: As of November 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Hazardous Waste Handler Details

Sequence No: 1
 Receive Date: 19980505
 Handler Name: RICHTON DRY CLEANERS EAGLE
 Generator Status Universe: Small Quantity Generator
 Source Type: Notification

Waste Code Details

Hazardous Waste Code: D000
 Waste Code Description: DESCRIPTION

Hazardous Waste Code: D039
 Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: F002
 Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind: Current Owner
 Type: Private
 Name: RICHTON DRY CLEANERS
 Date Became Current:
 Date Ended Current:
 Phone: 708-798-4260
 Source Type: Notification

Street No:
 Street 1: 3707 POPLAR RD
 Street 2:
 City: FLOOSMOOR
 State: IL
 Country:
 Zip Code: 60422

Owner/Operator Ind: Current Operator
 Type: Private
 Name: NAME NOT REPORTED
 Date Became Current:
 Date Ended Current:
 Phone: 312-555-1212
 Source Type: Notification

Street No:
 Street 1: ADDRESS NOT REPORTED
 Street 2:
 City: CITY NOT REPORTED
 State: AK
 Country:
 Zip Code: 99998

7	2 of 3	N	0.04 / 221.98	707.94 / -7	EAGLE CLEANERS 4020 WEST SAUK TRAIL RICHTON PARK IL 60471	FED DRYCLEANERS
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FRS Facility ID: 110001337054
 NPDES IDs:
 NAICS Codes: 812320
 SIC Codes: 7216
 Latitude: 41.484303
 Longitude: -87.7135

7	3 of 3	N	0.04 / 221.98	707.94 / -7	Eagle Cleaners 4020 W Sauk Trail Richton Park IL 60471	AIR PERMITS
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Site ID: 170000031294
 Program ID: 031255AAC
 Interest Type: PERMIT
 Media Code: AIR
 Category:
 Originating Bureau:

Document Count:
 Total Pages:
 Collection Date:
 Latitude Measure: 41.484335
 Longitude Measure: -87.713246

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Name (Doc Search):
Addr (Doc Search):
City (Doc Search):
State (Doc Search):
Zip Code (Doc Search):
Name (Geo Search): Eagle Cleaners
Address (Geo Search): 4020 W Sauk Trail
City (Geo Search): Richton Park
State (Geo Search): IL
Postal (Geo Search): 60471
Category URL:
Data Source: IEPA Document Explorer - Geographic Search

8	1 of 1	SSW	0.16 / 840.70	740.90 / 26	Bobs Auto Service 22650 Governors Hwy Matteson IL 60443	AIR PERMITS
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Site ID: 170002244523
Program ID: 031818AAX
Interest Type: PERMIT EXEMPT
Media Code: AIR
Category:
Originating Bureau:
Name (Doc Search):
Addr (Doc Search):
City (Doc Search):
State (Doc Search):
Zip Code (Doc Search):
Name (Geo Search): Bobs Auto Service
Address (Geo Search): 22650 Governors Hwy
City (Geo Search): Matteson
State (Geo Search): IL
Postal (Geo Search): 60443
Category URL:
Data Source: IEPA Document Explorer - Geographic Search

Document Count:
Total Pages:
Collection Date: 03/15/2018
Latitude Measure: 41.476309
Longitude Measure: -87.715534

9	1 of 2	NE	0.10 / 508.10	711.41 / -4	FRIENDLY TRUCK SNK TRAIL & RICHTON ROAD RICHTON PARK IL	SPILLS2
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Incident ID: NL820598
Received Date: 9/20/1982
Action:
Action Description:

Occured Date:
Incident LUST:
Incident County: COOK

9	2 of 2	NE	0.10 / 508.10	711.41 / -4	FRIENDLY TRUCK SNK TRAIL & RICHTON ROAD RICHTON PARK IL	SPILLS2
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Incident ID: NL820598
Received Date: 9/18/1982
Action:
Action Description:

Occured Date:
Incident LUST:
Incident County: COOK

10	1 of 2	WNW	0.48 / 2,512.74	719.85 / 5	Richton Park, Village of 4455 South Sauk Trail Richton Park IL 60471	LUST
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Incident No: 971399
Incidents ID: 20610
NFR Date:
Gasoline: False

LPC No: 0312555014
IEMA Date: 08/01/1997
Regulation: 732
C 20 Day Report Date:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Unleaded:	True				C 45 Day Report Date:	
Diesel:	True				NFR Recorded Date:	
Fuel Oil:	False				Pre 74 Date:	
Jet Fuel:	False				Proj Manager Phone:	(217) 785-5734
Used Oil:	False				Proj Mngr First Nm:	Mike
Non Petroleum Prod:	False				Proj Mngr Last Nm:	Lowder
Other Petroleum:	False				Proj Manager Email:	Mike.Lowder@illinois.gov
Non LUST Date:	10/15/1997				Site County:	Cook
Non LUST Letter Dt:	10/15/1997					
Heating Oil Letter Date:						
Free Product Discovery Date:						
Primary Resp Party Name:	Richton Park, Village of					
Primary Resp Party Address:	4455 South Sauk Trail					
Primary Resp Party City:	Richton Park					
Primary Resp Party State:	IL					
Primary Resp Party Zip:	60471					
Primary Resp Party Phone:						
Primary Resp Party Contact:	Tony Dryjanski					

[10](#) 2 of 2 **WNW** 0.48 / 2,512.74 719.85 / 5 **Richton Park Village of 4455 Sauk Trl Richton Park IL 60471** **LUST DOCUMENT**

Site ID:	170000474608	Interest Type:	LUST
Program ID:	0312555014	Media Code:	LAND
Category:		Latitude Measure:	41.48426
Originating Bureau:		Longitude Measure:	-87.72369
Name (Doc Search):		Name (Geo Search):	Richton Park Village of
Addr (Doc Search):		Addr (Geo Search):	4455 Sauk Trl
City (Doc Search):		City (Geo Search):	Richton Park
State (Doc Search):		State (Geo Search):	IL
Zip (Doc Search):		Postal (Geo Search):	60471
Document Count:		Collection Date:	01/01/2001
Total Pages:			
Category Url:			
Data Source:	IEPA Document Explorer - Geographic Search		

[11](#) 1 of 4 **ENE** 0.49 / 2,593.03 724.62 / 9 **Mobil Oil Corp. 3600 West Sauk Trail Richton Park IL 60471** **LUST**

Incident No:	860307B	LPC No:	0312555001
Incidents ID:	5447	IEMA Date:	03/07/1986
NFR Date:	08/24/2012	Regulation:	734
Gasoline:	True	C 20 Day Report Date:	07/13/2012
Unleaded:	False	C 45 Day Report Date:	07/13/2012
Diesel:	False	NFR Recorded Date:	09/27/2012
Fuel Oil:	False	Pre 74 Date:	
Jet Fuel:	False	Proj Manager Phone:	
Used Oil:	False	Proj Mngr First Nm:	Lizz
Non Petroleum Prod:	False	Proj Mngr Last Nm:	Schwartzkopf
Other Petroleum:	False	Proj Manager Email:	
Non LUST Date:		Site County:	Cook
Non LUST Letter Dt:			
Heating Oil Letter Date:			
Free Product Discovery Date:			
Primary Resp Party Name:	Mobil Oil Corp.		
Primary Resp Party Address:	P.O. Box 874		
Primary Resp Party City:	Joliet		
Primary Resp Party State:	IL		
Primary Resp Party Zip:	60434-0874		
Primary Resp Party Phone:			
Primary Resp Party Contact:	Pete Hambilos		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	2 of 4	ENE	0.49 / 2,593.03	724.62 / 9	O'Briens Service 3600 Sauk Trail Richton Park IL 60471	LUST

Incident No:	910356	LPC No:	0312555001
Incidents ID:	10127	IEMA Date:	02/12/1991
NFR Date:	08/24/2012	Regulation:	734
Gasoline:	True	C 20 Day Report Date:	07/13/2012
Unleaded:	False	C 45 Day Report Date:	07/13/2012
Diesel:	False	NFR Recorded Date:	09/27/2012
Fuel Oil:	False	Pre 74 Date:	
Jet Fuel:	False	Proj Manager Phone:	
Used Oil:	False	Proj Mngr First Nm:	Lizz
Non Petroleum Prod:	False	Proj Mngr Last Nm:	Schwartzkopf
Other Petroleum:	False	Proj Manager Email:	
Non LUST Date:		Site County:	Cook
Non LUST Letter Dt:			
Heating Oil Letter Date:			
Free Product Discovery Date:			
Primary Resp Party Name:	O'Briens Phillips 66		
Primary Resp Party Address:	3600 Sauk Trail		
Primary Resp Party City:	Richton Park		
Primary Resp Party State:	IL		
Primary Resp Party Zip:	60471		
Primary Resp Party Phone:			
Primary Resp Party Contact:	Joseph O'Brien		

11	3 of 4	ENE	0.49 / 2,593.03	724.62 / 9	OM Richton Park Oil, Inc. 3600 Sauk Trail Richton Park IL 60471	LUST
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Incident No:	20151019	LPC No:	0312555001
Incidents ID:	26832	IEMA Date:	09/17/2015
NFR Date:	10/10/2018	Regulation:	734
Gasoline:	False	C 20 Day Report Date:	02/06/2018
Unleaded:	False	C 45 Day Report Date:	07/10/2018
Diesel:	False	NFR Recorded Date:	11/02/2018
Fuel Oil:	False	Pre 74 Date:	
Jet Fuel:	False	Proj Manager Phone:	(217)524-7938
Used Oil:	True	Proj Mngr First Nm:	Craig
Non Petroleum Prod:	False	Proj Mngr Last Nm:	Jennings
Other Petroleum:	False	Proj Manager Email:	Craig.M.Jennings@illinois.gov
Non LUST Date:		Site County:	Cook
Non LUST Letter Dt:			
Heating Oil Letter Date:			
Free Product Discovery Date:			
Primary Resp Party Name:	OM Richton Park Oil, Inc.		
Primary Resp Party Address:	3600 Sauk Trail		
Primary Resp Party City:	Richton Park		
Primary Resp Party State:	IL		
Primary Resp Party Zip:	60471		
Primary Resp Party Phone:	6302294953		
Primary Resp Party Contact:	Kalpesh Patel		

11	4 of 4	ENE	0.49 / 2,593.03	724.62 / 9	OM Richton Park Oil Inc 3600 Sauk Trl Richton Park IL 60471	LUST DOCUMENT
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Site ID:	170000275583	Interest Type:	LUST
Program ID:	0312555001	Media Code:	LAND
Category:	Leaking UST Technical	Latitude Measure:	41.48448
Originating Bureau:	Bureau of Land	Longitude Measure:	-87.70311
Name (Doc Search):	Citgo - 170000275583	Name (Geo Search):	OM Richton Park Oil Inc
Addr (Doc Search):	3600 Sauk Trl	Addr (Geo Search):	3600 Sauk Trl

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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City (Doc Search):	Richton Park				City (Geo Search):	Richton Park
State (Doc Search):	IL				State (Geo Search):	IL
Zip (Doc Search):	60471				Postal (Geo Search):	60471
Document Count:	26				Collection Date:	01/01/2001
Total Pages:	368					
Category Url:	https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?lc=VXNlcj1kd3B1YmxpY1xuUHdkPU4xbWRhJHRyYXRvcIBANTU1&p=RLV&rl=ce728c9a-11c1-4ddf-9003-314169ab1943&tw=Results&q=W0IFUEFJRF09IjE3MDAwMDI3NTU4MyIlgQU5EIFtDQVRFR09SWV09IjixQSI1					
Data Source:	IEPA Document Explorer - Geographic Search; IEPA Document Explorer - Facility/ Site Search					

Unplottable Summary

Total: 3 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
SPILLS	UNOCAL PIPELINE CO.	1 1/2 MI S OF SAUK AND GO <i>Incident No:</i> 950211	RICHLAND PARK IL		822025123
SPILLS2	US GYPSUM	GOVERNORS HWY, 1/2 MILES SOUTH OF SAUK TRAIL <i>Incident ID Incident LUST:</i> NL895284	PARK FOREST IL		813059566
SPILLS2	US GYPSUM	GOVERNORS HWY, 1/2 MILES SOUTH OF SAUK TRAIL <i>Incident ID Incident LUST:</i> NL895284	PARK FOREST IL		825140728

Unplottable Report

Site: UNOCAL PIPELINE CO.
1 1/2 MI S OF SAUK AND GO RICHLAND PARK IL

SPILLS

Incident No: 950211
Date/Time Occurred:
Area Involved: FIXED FACILITY
Media Release:
Milepost:
County: COOK
Facility Manager:
Fac Manager Phone:
Responsible Party Street:

Section:
Township:
Range:
Latitude:
Longitude:

Hazardous Materials Incident Report

Hazmat Incident Type: LEAK
LUST?:
Data Input Status: CLOSED
Incident Report Date: 1/29/1995 9:16:00 AM
Street Address: 1 1/2 MI S OF SAUK AND GO
City: RICHLAND PARK
County: COOK
URL: <https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=950211>
Narrative:

Date Entered:
Entered by:
Caller: DAVID HOCKING
Caller Represents: UNOCAL PIPELINE CO.

Follow Up Information:

Materials Involved

Name: CRUDE OIL
Type: UNKNOWN
CHRIS CODE:
CAS No:
UN/NA No:
Container Type: 12 INCH PIPELINE/MANIFOLD AREA
Container Size: 12 INCH PIPELINE/MANIFOLD AREA
Amount Released: EST. 4-5 BBLS
Rate of Release Min:
Duration of Release:
A 302(a) Extremely Haz Sub?:
A RCRA Hazardous Waste?:
A RCRA Regulated Facility?:
Public Health Risks: -0-
State Agency Assistance:
Containment/Cleanup Plans:

Cause of Release: BLOWN GASKET
Est Spill Extent:
Spill Extent Units:
Date/Time Inc Occur:
Unknown Occur:
Date/Time Discov: 01/29/95 0715
Unknown Discovered:
Where Taken: -0-
On Scene Contact:
No of People Evacuat: -0-

Site: US GYPSUM
GOVERNORS HWY, 1/2 MILES SOUTH OF SAUK TRAIL PARK FOREST IL

SPILLS2

Incident ID: NL895284
Received Date: 10/11/1989
Action:
Action Description:

Occured Date:
Incident LUST:
Incident County: COOK

Site: US GYPSUM
GOVERNORS HWY, 1/2 MILES SOUTH OF SAUK TRAIL PARK FOREST IL

SPILLS2

Incident ID: NL895284
Received Date: 10/6/1989
Action:
Action Description:

Occured Date:
Incident LUST:
Incident County: COOK

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Jan 30, 2020

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Jan 30, 2020

Deleted NPL:

DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Jan 30, 2020

SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Nov 25, 2019

SEMS List 8R Archive Sites:

SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Nov 25, 2019

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS:

CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands:

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned:

CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Nov 18, 2019

RCRA non-CORRACTS TSD Facilities:

RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Nov 18, 2019

RCRA Generator List:

RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Nov 18, 2019

RCRA Small Quantity Generators List:

RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Nov 18, 2019

RCRA Conditionally Exempt and Very Small Quantity Generators List:

[RCRA CESQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt and Very Small Quantity Generators (VSQG and CESQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG and CESQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Nov 18, 2019

RCRA Non-Generators:

[RCRA NON GEN](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Nov 18, 2019

Federal Engineering Controls-ECs:

[FED ENG](#)

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jun 11, 2019

Federal Institutional Controls- ICs:

[FED INST](#)

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jun 11, 2019

Emergency Response Notification System:

[ERNS 1982 TO 1986](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:

[ERNS 1987 TO 1989](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:

[ERNS](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 25, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

[FED BROWNFIELDS](#)

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 3, 2019

FEMA Underground Storage Tank Listing:

[FEMA UST](#)

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries:

REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Oct 8, 2019

Petroleum Product and Crude Oil Rail Terminals:

BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Jan 13, 2020

LIEN on Property:

SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Nov 25, 2019

Superfund Decision Documents:

SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Jan 30, 2020

State

State Response Action Program Database:

SSU

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. The State Response Action Program database made available by Illinois Environmental Protection Agency. This database is state equivalent CERCLIS.

Government Publication Date: Aug 20, 2019

Delisted State Response Action Program:

DELISTED SSU

List of sites removed from the State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Government Publication Date: Aug 20, 2019

Solid Waste Landfills Subject to State Surcharge Database:

SWF/LF

The Bureau of Land maintains a list of solid waste facilities and landfills throughout the state. This list made available by Illinois Environmental Protection Agency's Bureau of land.

Government Publication Date: Mar 2, 2018

Special Waste Site List:

SWF/LF SPECIAL

The following landfills are those that as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois Environmental Protection Agency Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste. Non-Regional Pollutant Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollutant Control Facility by RPCF, or Non-regional Pollutant Control Facility by Non-RPCF.

Government Publication Date: Jan 1, 1990

Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in

NIPC

Northeastern Illinois:

Historical inventory of solid waste disposal sites in northeastern Illinois prepared by the Northeastern Illinois Planning Commission (NIPC).

Government Publication Date: Dec 1987

Clean Construction or Demolition Debris:

CCDD

This is a list of CCDD Fill Operations with Approved Permits. Beginning July 1, 2008, no person can use CCDD as fill material in a current or former quarry, mine, or other excavation unless they have obtained a permit from the Illinois EPA.

Leaking Underground Storage Tanks (LUST):

LUST

The Leaking Underground Storage Tank Incident Tracking (LIT) database identifies the status of all Illinois LUST incidents reported to the Illinois Emergency Management Agency (IEMA) and to the Illinois Environmental Protection Agency.

Government Publication Date: Dec 2, 2019

Leaking UST Document:

LUST DOCUMENT

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Leaking Underground Storage Tank (LUST) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Oct 30, 2019

Delisted Leaking Underground Storage Tank Sites:

DELISTED LUST

List of sites removed from the Leaking Underground Storage Tank Incident Tracking (LIT) database made available by the Illinois Environmental Protection Agency.

Government Publication Date: Oct 30, 2019

Underground Storage Tank Fund Payment Priority List:

LUST TRUST

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner. The Underground Storage Tank Fund Priority list made available by Illinois Environmental Protection Agency.

Government Publication Date: Nov 01, 2016

Underground Storage Tank Database (UST):

UST

This database maintained by Division of Petroleum & Chemical Safety, contains information derived from tank registration information supplied to the Office of the Illinois State Fire Marshal (OSFM) from outside sources.

Government Publication Date: Dec 10, 2019

Aboveground Storage Tanks (AST):

AST

A list of aboveground storage tanks inspected by the Office of State Fire Marshal (OSFM).

Government Publication Date: Dec 31, 2019

Delisted Storage Tanks:

DELISTED TANK

This database contains a list of closed storage tank sites that were removed from the Illinois Department of Environmental Quality.

Government Publication Date: Dec 10, 2019

Sites with Engineering Controls:

ENG

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with engineering controls in place.

Government Publication Date: Feb 26, 2020

Institutional Controls:

INST

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remediation Program (SRP) database with institutional controls in place.

Government Publication Date: Feb 26, 2020

Illinois Site Remediation Program Database:

SRP

The Site Remediation Program (SRP) database identifies the status of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). This Site Remediation program database made available by Illinois Environmental Protection Agency.

Government Publication Date: Feb 26, 2020

Document Explorer Remediation and Assessment Sites:

REM ASSESS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more documents available are associated with the Federal Facilities Unit, National Priorities List Unit, Site Assessment Unit, or Voluntary Site Remediation Unit. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Oct 30, 2019

Brownfields Redevelopment Assessment Database:

[BROWNFIELDS](#)

The Office of Site Evaluations Redevelopment Assessment database identifies the status of properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a Municipal Brownfields Redevelopment Grant (MBRG) project.

Government Publication Date: Sep 12, 2019

Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through

[BROWN MBRGP](#)

OBA:

The Office of Brownfields Assistance (OBA) database identifies the status of all Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA. Office of Brownfields Assistance Database search made available by Illinois Environmental Protection Agency's Bureau of Land Data-Center.

Government Publication Date: Mar 31, 2013

Tribal

Leaking Underground Storage Tanks on Indian Lands:

[INDIAN LUST](#)

List of Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands in EPA Region 5, which includes Michigan, Minnesota and Wisconsin. There no LUST records in Illinois at this time.

Government Publication Date: Oct 16, 2017

Underground Storage Tanks (USTs) on Indian Lands:

[INDIAN UST](#)

Underground Storage Tanks (USTs) on Tribal/Indian Lands in EPA Region 5. There are no UST records in Illinois at this time.

Government Publication Date: Oct 16, 2017

Delisted Tribal Leaking Storage Tanks:

[DELISTED ILST](#)

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: May 2, 2019

Delisted Tribal Underground Storage Tanks:

[DELISTED IUST](#)

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: May 2, 2019

County

Chicago Storage Tanks:

[TANKS CHICAGO](#)

This dataset contains Aboveground Storage Tank (AST) and Underground Storage Tank (UST) information from the City of Chicago Department of Public Health's (CDPH) Tank Asset Database. The Tank Asset Database contains tank information from CDPH AST and UST permit applications as well as UST records imported from the historic City of Chicago Department of Environment (DOE) database. This dataset also includes AST records from the historic DOE and pre-1992 UST records from the Building Department.

Government Publication Date: Dec 11, 2019

Chicago Environmental Permits:

[PERMITS CHICAGO](#)

Permits issued by the City of Chicago Department of Environment (DOE) from January 1993 to December 31, 2011 and by the City of Chicago Department of Public Health (CDPH) since January 1, 2012. On January 1, 2012, the DOE was disbanded and all its inspection, permitting, and enforcement authorities were transferred to the CDPH.

Government Publication Date: Jan 10, 2020

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites:

[PFAS NPL](#)

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Nov 15, 2019

Perfluorinated Alkyl Substances (PFAS) Releases:

[PFAS TRI](#)

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Dec 31, 2017

Perfluorinated Alkyl Substances (PFAS) Water Contamination:

[PFAS WATER CONTAM](#)

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Dec 20, 2019

National Clandestine Drug Labs:

[NCDL](#)

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Sep 26, 2019

Toxic Substances Control Act:

[TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Jun 30, 2017

Hist TSCA:

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

State Coalition for Remediation of Drycleaners Listing:

[SCRD DRYCLEANER](#)

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Drycleaner Facilities:

[FED DRYCLEANERS](#)

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 29, 2018

Delisted Drycleaner Facilities:

[DELISTED FED DRY](#)

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 29, 2018

Formerly Used Defense Sites:

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Oct 23, 2018

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Nov 1, 2018

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 6, 2019

Registered Pesticide Establishments:

SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: May 31, 2019

Polychlorinated Biphenyl (PCB) Notifiers:

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 9, 2019

State

Spills and Incidents:

SPILLS

A list of reports taken by Illinois Emergency Management Agency (IEMA) of Hazardous Material spills in Illinois.

Government Publication Date: Dec 11, 2019

Emergency Response Releases & Spills Database:

SPILLS2

The Office of Emergency Response (OER) maintains the Emergency Response Releases & Spills Database.

The Emergency Operations Unit, within OER, coordinates Illinois EPA's response to environmental emergencies involving oil or hazardous materials and ensures that any environmental contamination is cleaned up. EOU works with other response agencies including the Illinois Emergency Management Agency (IEMA), which is the initial contact for responses to an emergency or disaster in Illinois.

Government Publication Date: Dec 11, 2019

Per- and Polyfluoroalkyl Substances (PFAS):

PFAS

A list of reports taken by the Illinois Emergency Management Agency (IEMA) of incidents involving hazardous materials, where the hazardous material involved in the incident is in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Dec 11, 2019

Dry Cleaning Facilities:

DRYCLEANERS

A list of licensed drycleaners facilities provided by Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Feb 2, 2020

Delisted Drycleaners:

[DELISTED DRYCLEANERS](#)

List of sites removed from the drycleaners database made available by the Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Feb 2, 2020

Clandestine Drug Labs:

[CDL](#)

List of clandestine drug lab locations made available by the Illinois Department of Public Health. The Department maintains a list of properties from reports it receives from the Illinois State Police through the Illinois Emergency Management Agency.

Government Publication Date: Aug 21, 2019

Tier 2 Report:

[TIER 2](#)

List of facilities who submit Tier II forms to the Illinois Emergency Management Agency (IEMA).

Government Publication Date: Sep 16, 2019

Air Permits:

[AIR PERMITS](#)

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Air Permits (construction and operating) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Oct 30, 2019

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



Appendix E - User and Key Site Manager Questionnaire and FOIA Responses



Electronic FOIA Request Form PDF

FOIA Request Date:	<input type="text" value="04/02/2020"/>
Web Request #:	<input type="text" value="33448"/>
Requestor:	<input type="text" value="Patrick Lunt"/>
Business Name:	<input type="text" value="Huff & Huff GZA"/>
Address:	<input type="text" value="915 Harger Road"/>
City State Zip:	<input type="text" value="Chicago, IL 60523"/>
Phone:	<input type="text" value="224-257-9980"/>
Email Address:	<input type="text" value="patrick.lunt@gza.com"/>
Preferred Contact Method:	<input type="text" value="Email"/>

Will any part of the requested information, records or documentation be used, in any form, for sale, resale, solicitation or advertisement for sales or services?

Information Requested:

We are conducting a Phase I environmental site assessment for the property known as 22356-22400 Governors Hwy, Richton Park and 22340-22420 Governors Hwy, Richton Park - 2020496. We are submitting this FOIA request for any information regarding building permits, demolition permits, environmental inspection reports, records of chemical spills or fires, zoning/land use records, underground storage tank records, above ground storage tank records, septic systems, wells, chemical/petroleum storage, or dumping for the above-mentioned property.

Fee Justification: In accordance with 5 ILCS 140/6(c), fees for public records may be reduced or waived if determined by the Agency to be in the public interest. If applicable, please provide a justification in the comments field below.

Questions or Comments:



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

JB Pritzker, Governor
Matt Perez, State Fire Marshal

April 2, 2020

Patrick Lunt
915 Harger Road
Chicago, IL 60523

Dear Patrick Lunt:

The Office of the State Fire Marshal received your request for documents, pursuant to the Freedom of Information Act ("Act"), on 04/02/2020. Enclosed, and pursuant to the Act, please find those documents responsive to your request that are prepared or maintained by the Office of the State Fire Marshal.

Pursuant to Section 9.5 of the Act, "any person whose request to inspect or copy a public record is denied by a public body, may file a request for review with the Public Access Counselor established in the Office of the Attorney General not later than 60 days after the date of the final denial." Such requests must be in writing, signed by the requester and include (1) a copy of the request for access to records and (2) any response from the OSFM. Further information on such requests contact:

Sarah Pratt
Acting Public Access Counselor
Office of the Attorney General
500 S. 2nd Street
Springfield, Illinois 62706
Phone: 1-877-299-FOIA
(1-877-299-3642)
Fax: (217) 782-1396

For your added convenience, we now also offer electronic submission of FOIA requests. To use this feature please go to <http://www.sfm.illinois.gov/public/foia.aspx> and simply fill out our electronic FOIA request form.



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

JB Pritzker, Governor
Matt Perez, State Fire Marshal

Should you have further questions regarding this matter, please contact me at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Sebek".

Matt Sebek
Deputy General Counsel – FOIA Officer
Office of the State Fire Marshal
217-785-1011



Huff & Huff, Inc., a Subsidiary of GZA | 915 Harger Road, Suite 330 | Oak Brook, IL 60523

Phase I ESA Key Site Manager Questionnaire

Site address:

Responses provided by (name/title):

Years associated with the Site:

Date:

SITE DESCRIPTION

Please provide a general description of the Site (number of buildings, other notable features):

CURRENT SITE USE

List current occupants and describe their operations:

SITE UTILITIES

Please list the provider for each of the following services:

Natural gas -

Electricity -

Potable Water -

Sanitary Sewer -

SITE AND AREA HISTORY SUMMARY

When did the current owner acquire the Site?

How long has the building been occupied by the current tenant?

When was the existing Site building constructed?

Please list any previous owners/occupants of the Site, or previous uses at the Site, if known:

Are you aware of any underground storage tanks (USTs) or aboveground storage tanks (ASTs) currently or historically present on the Site?

Are you aware of any hazardous materials or petroleum products currently or historically used and/or stored on the Site?

Are you aware of any water wells, monitoring wells, or septic systems currently or historically present on the Site?

Are you aware of any historical spills, hazardous materials releases, or environmental contamination at the Site?

Are you aware of any asbestos currently or historically present on the Site?

Are you aware of any wastes (including hazardous wastes) currently or historically generated or disposed of at the Site?

Are you aware of any historical filling (either with clean dirt or other materials) at the Site? If yes, please provide details, including when filling took place, and the types of fill materials involved:

Are you aware of any previous environmental sampling at the Site, or any previous environmental reports for the Site?

Please indicate the type of HVAC system used to heat/cool the Site building (include whether the building is heated via natural gas, electricity, fuel oil, propane, etc., and whether the building has central air conditioning).

Are you aware of any asbestos present on the Site?

Are any wastes (including hazardous wastes) other than general refuse produced at the Site?

What company performs waste pickup at the Site?



Illinois Emergency Management Agency

FIELD REPORT

Incident Number 9 3 0 0 5 6

Date: 01 / 07 / 93
Time: 1545
Received by: JW

Notify: ILLINOIS EMERGENCY MANAGEMENT AGENCY
1 - 800 / 782 - 7860 or 217 / 782 - 7860

1. Caller: Steve Uhlarik
2. Call back phone#: 312/683-7237
3. Caller represents: HSA
4. Type of incident: Fire Leak or Spill
 Explosion Water Involvement
 Gas or Vapor cloud Other
5. Incident Location:
Street 22420 GOVERNORS HIGHWAY
City RICHTON PARK In Near
County COOK
Milepost _____ RR River Highway
Sec. _____ Twp. _____ Range _____
6. Area Involved: Highway Rail Fixed Facility
 Waterway Air Other
7. Material (s) Involved: WASTE OIL
 Gas Liquid Semi-Solid Solid
 Pesticide Radioactive
CAS #: _____
UN/NA #: _____
Is this a 302 (a) Extremely Hazardous Substance?
 Yes No Unknown
Is this a RCRA Hazardous Waste?
 Yes No Unknown
If Yes, is this a RCRA regulated facility?
 Yes No
8. Container: Truck RR car Drum
 Aboveground tank Pipeline
 Underground tank Other
container size: 500 GAL
9. Amount released: _____
Rate of release: _____ / min.
10. Cause of release: UNK.
11. Estimated spill extent: _____
 square feet square yards
12. Occurred Date: ___/___/___ Time: _____
 Discovered Date: 01 / 07 / 93 Time: 1000
13. Emergency units contacted
 Fire _____
 Sheriff _____
 Police _____
 ESDA _____
 Other _____

14. On Scene Contact: _____
On Scene Phone#: _____
15. No. injured: _____ Haz-mat related
Where taken: _____
16. Public health risks and/or precautions taken,
including # evacuated: _____
17. Assistance needed from State Agencies:

18. Containment/cleanup actions and plans:
CONTRACTOR TO BE HIRED
19. Weather: sunny overcast night
 pty. cldy. rain snow
Temp. _____ F wind dir. _____ speed _____ mph.
20. Responsible Party: AMES DEPARTMENT STORE
Contact person: BOB MASSON
Phone # 203/257-5383
Mailing address: 2418 MAIN ST.
ROCKY HILL, CT 06067-
0801
- Notifications: IEPA/SFM FAXED 1551

- On scene
- Fire _____
 - Sheriff _____
 - Police _____
 - ESDA _____
 - Other _____

Daivison

JAN 07 1993



OFFICE OF THE ILLINOIS STATE FIRE MARSHAL
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, Illinois 62703-4259
 (217)785-1020 or (217)785-5878

RECEIVED
 OCT 29 1998
 DIV. OF PETROLEUM &
 CHEMICAL SAFETY

Facility # 2-020496
 Date 10/20/98
 Decal # _____
 Issued by _____

CERTIFICATION AUDIT

OWNER OF TANKS

ZAYRE CORP.
 Name
770 Cochituate Rd.
 Street Address
FRAMINGHAM, MA 01701
 City State Zip
 Contact Person Phone

FACILITY

ZAYRE CORP. # 365
 Name
22420 GOVERNORS HWY
 Street Address
RICHTON PARK, IL 60471 COOK
 City State Zip County
 Contact Person Phone

SECTION A. TANK RELEASE DETECTION (Section 170.510 (a))

- A. Inventory Control or Manual Tank Gauging (with required tank tightness testing). Date of last test _____
 B. SIR with required tank tightness test. Date of last test _____
 C. Automatic tank gauging D. Vapor well monitoring E. Groundwater well monitoring F. Interstitial monitoring X. Non-compliance
 ?. Information not available

SECTION B. PIPING RELEASE DETECTION (Section 170.510 (b))

1. Pressurized Piping or 2. Suction Piping

- A. Vapor or groundwater monitoring wells B. Interstitial monitoring (double wall or secondary containment)
 C. Automatic line leak detector D. Automatic shut-off device E. Continuous alarm system F. Line tightness testing
 G. European suction X. Non-compliance ?. Information not available

SECTION C. SPILL PREVENTION (Section 170.450)

- A. Spill containment devices in place B. <25 Gallon fills X. Non-compliance ?. Information not available

SECTION D. OVERFILL PREVENTION (Section 170.450)

- A. Overfill device B. Automatic shut-off C. Overfill alarm D. Ball float valve E. <25 Gallon fills X. Non-compliance
 ?. Information not available

SECTION E. TANK CORROSION PROTECTION (Section 170.460)

- A. Cathodic protection B. Impressed current C. Secondary containment D. Exterior coating E. Fiberglass reinforced plastic
 F. Double-walled G. Interior lining X. Non-compliance ?. Information not available

SECTION F. PIPING CORROSION PROTECTION (Section 170.460)

- A. Cathodic protection B. Impressed current C. Secondary containment D. Flexible piping E. Fiberglass reinforced plastic
 F. Double-walled X. Non-compliance ?. Information not available

SUMMARY

Tank ID Number	Capacity in Gallons	Product	Tank Release Detection	Piping Release Detection	Spill Prevention	Overfill Prevention	Tank Corrosion Protection	Piping Corrosion Protection	1998 Compliance (Y or N)
1	500	Used oil							N

COULD NOT FIND UST.
 OWNER DOES NOT KNOW OF ONE
 Person Interviewed ONLY could FIND
 Oil-Water Separator.

[Signature]
 Storage Tank Safety Specialist

WHITE - AGENCY

CANARY - STSS

PINK - OWNER



Office of the Illinois State Fire Marshal
 Division of Petroleum and Chemical Safety
 1035 Stevenson Drive
 Springfield, Illinois 62703-4259

Facility#:	2020496
Date:	07/25/07

FACILITY TANK STATUS REPORT

Facility Status: Active Does Not Exist Closed (all tanks removed/abandoned)
 Inactive (tanks still remaining inground)

OWNER OF TANKS

Zayre Corp
 Name
 770 Cochituate Rd
 Street Address
 Framingham VA 1701
 City State Zip
 Contact Person Phone

FACILITY

Zayre #365
 Name
 22420 Governors Hwy
 Street Address
 Richton Park IL 60471 Cook
 City State Zip County
 Contact Person Phone

SECTION A.		TANK INFORMATION		
1. Tank Number	1			
2. Tank Size	500Gal			
3. Product Stored	Used Oil			
4. Date Last Used				
5. Date Tank Abandoned				
6. Date Tank Removed	12/1/87			

Number of tanks remaining in ground, if any: None

Remarks: Visual inspection of former Zayre, no tanks found; currently a strip mall. Please make corrections tank not found removed, does not exist.

RECEIVED
 AUG 06 2007

DIV. OF PETROLEUM
 CHEMICAL SAFETY

Charles South
 Storage Tank Safety Specialist (Signature)

Notification for Underground Storage Tanks

FORM APPROVED
OMB NO. 2050-0049
APPROVAL EXPIRES 6-30-88

FOR
TANKS
IN
IL

RETURN
COMPLETED
FORM
TO

UST Coordinator
Division of Fire Prevention
P.O. Box 3803
Springfield, IL 62708-3803

STATE USE ONLY
I.O. Number **2020496**
Date Received

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—

(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;

4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;

5. surface impoundments, pits, ponds, or lagoons;

6. storm water or waste water collection systems;

7. flow-through process tanks;

8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;

9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached

-0-

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)

ZAYRE CORP. (tank operator)

Street Address

ATTN: TAX DEPT. 770 COCHITUATE ROAD

County

MIDDLESEX

City

FRAMINGHAM

State

MA

ZIP Code

01701

Area Code Phone Number

(617) 620-2655

Type of Owner (Mark all that apply)

Current

State or Local Gov't

Private or Corporate

Former

Federal Gov't (GSA facility I.D. no.)

Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section 1, mark box here)

Facility Name or Company Site Identifier, as applicable

ZAYRE DEPARTMENT STORE # 365

Street Address or State Road, as applicable

22420 GOVERNORS HIGHWAY

County

COOK

City (nearest)

RIGHTON PARK

State

IL

ZIP Code

60471

Indicate number of tanks at this location

1

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here)

DONALD MURPHY

Job Title

STORE MANAGER

Area Code

(312)

Phone Number

747-4866

IV. TYPE OF NOTIFICATION

Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative

DONALD CAMPBELL VICE PRESIDENT

Signature



Date Signed

5-6-86

CONTINUE ON REVERSE SIDE

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location)

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
1. Status of Tank (Mark all that apply <input checked="" type="checkbox"/>) Currently in Use <input checked="" type="checkbox"/> Temporarily Out of Use <input type="checkbox"/> Permanently Out of Use <input type="checkbox"/> Brought into Use after 5/8/86 <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Estimated Age (Years)	15				
3. Estimated Total Capacity (Gallons)	500				
4. Material of Construction (Mark one <input checked="" type="checkbox"/>) Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Fiberglass Reinforced Plastic <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Other, Please Specify _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Internal Protection (Mark all that apply <input checked="" type="checkbox"/>) Cathodic Protection <input type="checkbox"/> Interior Lining (e.g., epoxy resins) <input type="checkbox"/> None <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Other, Please Specify _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. External Protection (Mark all that apply <input checked="" type="checkbox"/>) Cathodic Protection <input type="checkbox"/> Painted (e.g., asphaltic) <input type="checkbox"/> Fiberglass Reinforced Plastic Coated <input type="checkbox"/> None <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Other, Please Specify _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Piping (Mark all that apply <input checked="" type="checkbox"/>) Bare Steel <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> Fiberglass Reinforced Plastic <input type="checkbox"/> Cathodically Protected <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Other, Please Specify _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply <input checked="" type="checkbox"/>) a. Empty <input type="checkbox"/> b. Petroleum <input type="checkbox"/> Diesel <input type="checkbox"/> Kerosene <input type="checkbox"/> Gasoline (including alcohol blends) <input type="checkbox"/> Used Oil <input checked="" type="checkbox"/> Other, Please Specify _____ c. Hazardous Substance <input type="checkbox"/> Please Indicate Name of Principal CERCLA Substance _____ OR Chemical Abstract Service (CAS) No. _____ Mark box <input checked="" type="checkbox"/> if tank stores a mixture of substances d. Unknown <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Additional Information (for tanks permanently taken out of service) a. Estimated date last used (mo/yr) _____ b. Estimated quantity of substance remaining (gal.) _____ c. Mark box <input type="checkbox"/> if tank was filled with inert material (e.g., sand, concrete) <input type="checkbox"/>	/	/	/	/	/



Appendix F - Qualifications of Environmental Professional



Baron Stuedemann, P.E., P.W.S.

Associate Principal

Summary of Experience

Mr. Stuedemann has been working in the civil engineering and environmental science consulting fields since 1990. He has managed small and large projects for public and private entities nationwide. His technical expertise includes: civil site development engineering; stormwater management and green infrastructure design; implementation of best management practices (BMPs) in civil engineering design; natural wetland, buffer, and riparian environment restoration design; constructed treatment wetland (CTW) design; stream restoration and relocation design; restoration maintenance and monitoring; National Environmental Policy Act (NEPA) support services; and interpretation, consultation, and application of local, state, and federal regulations and policies. He has worked closely with agencies and trustees involving: detailed stormwater management permitting, sedimentation and erosion control, wetland regulation; coastal area management; wetland, buffer, and riparian functional analysis and mitigation; floristic quality assessments; and wildlife habitat assessments.

Mr. Stuedemann's experience also includes natural system design for stormwater, industrial, and municipal CTW applications. His multi-discipline technical expertise in environmental engineering, civil engineering, and natural resource sciences align well with designing these complex systems. His CTW work has involved: natural resource assessments, biological surveys, hydrologic modeling, stormwater design, biological process design, and site development engineering; and federal, state, and local permitting.

Relevant Project Experience

Restoration Engineer and Wetland Scientist, Squaw Creek Improvements, Miller Lane to Irving Park Road, DuPage County, Illinois

Mr. Stuedemann was the Professional Wetland Scientist for the City of Wood Dale's Squaw Creek Improvements, Miller Lane to Irving Park Road Project located in Wood Dale, DuPage County, Illinois. Improvements to Squaw Creek included reconstruction of the primarily urban stormwater runoff stream to provide a naturalized riparian environment for water quality improvements and increased flood storage capacity. Mr. Stuedemann's services coincided with the civil engineering design services and included preparation of a wetland delineation report, stream design consultation, shoreline restoration design, riparian environment design, maintenance and monitoring planning, and permitting with regard to the USACE Chicago District and the City of Wood Dale.

Civil Site Development Engineer, Federated Department Stores Proposed Expansion, Cheshire, Connecticut

Mr. Stuedemann was the lead civil engineer for the proposed 250,000 sq. ft. expansion of Bloomingdale's by Mail distribution center in Cheshire, CT. Mr. Stuedemann was responsible for all civil site development work, including the production of plans, drainage design, parking configuration, permitting, specifications, and coordination with local agencies and scientists. Additional involvement included an alternatives analysis, wetland mitigation, and floodplain analysis.

Education

Master of Public Policy in
Environmental Policy, 2005,
University of Chicago, Chicago, IL
Master of Science in
Environmental Engineering, 1995,
Illinois Institute of Technology, Chicago, IL
Bachelor of Science in
Civil Engineering, 1989,
Southern Methodist University, Dallas, TX

Licenses & Registrations

Professional Engineer, IL (#062053718)
Professional Engineer, TX (#137181)
Professional Wetland Scientist (PWS),
Society of Wetland Scientists (SWS),
(#1975)
Lake County, Certified Wetland Specialist
(CWS), (#C-029)
McHenry County, Certified Wetland
Specialist
Kane County, Qualified Wetland Review
Specialist (QWRS), (#W-072)
Designated Erosion Control Inspector
(DECI), Lake County, IL
OSHA 40-Hr. Hazardous Waste Operations
Red Cross First Aid/Adult CPR

Areas of Specialization

Civil and Transportation Engineering
Reports and Design
Stormwater Management
Wetland, Buffer, and Riparian
Assessments, Delineations, and Design
Natural Resource Restoration and
Monitoring

Affiliations

American Society of Civil Engineers
Society of Wetland Scientists
Illinois Association for Floodplain and
Stormwater Management
American Public Works Association



Baron Stuedemann, P.E., P.W.S.

Associate Principal

Civil Site Development Engineer, Jewish Federation of Metropolitan Chicago, Northbrook, Illinois

Mr. Stuedemann was the civil site development engineer for the Jewish Community Center in Northbrook, IL. Mr. Stuedemann performed all site development design including paving and geometry, drainage and utilities, detention pond design, grading, permitting, and specifications.

Civil Site Development Engineer, Quest International, Hoffman Estates, Illinois

Mr. Stuedemann was the civil site development engineer for the Quest International North American Regional Headquarters in Hoffman Estates, IL. Mr. Stuedemann performed all site development design including paving and geometry, drainage and utilities, detention pond, grading, permitting and specifications.

Restoration Engineer and Wetland Scientist, Lake Cook Road Improvements, Raupp Boulevard to Hastings Lane, Lake and Cook Counties, Illinois

Mr. Stuedemann was the Certified Wetland Specialist and Restoration Engineer for the Village of Buffalo Grove's Lake Cook Road Improvements Phase II project located in Lake and Cook Counties, Illinois. Mr. Stuedemann coordinated closely with the client, Lake County, Cook County, Village of Buffalo Grove, and the U.S. Army Corps of Engineers (USACE) for all wetland science and restoration engineering related services. Mr. Stuedemann's technical services included: wetland sciences, stream realignment design, wetland and riparian environment design, preliminary site assessments, sedimentation and erosion control, USACE Chicago District permitting, Metropolitan Water Reclamation District of Greater Chicago permitting, and Lake County Stormwater Management Commission permitting.

Civil Site Development Engineer, Aramco Corporation and Dhahran City Center Master Plan, Dhahran, Saudi Arabia

Mr. Stuedemann was a civil site development engineer for the architectural, structural, and civil engineering master plan and design for the Aramco Corporate Complex and the Dhahran City Center in Dhahran, Saudi Arabia. Mr. Stuedemann provided civil engineering design for site development and transportation engineering. Specific responsibilities included grading, geometry, drainage, roadway design and utility design.

Restoration Engineer and Wetland Scientist, Fairfield Road at IL Route 176 Junction Improvements, Lake County, Illinois

Mr. Stuedemann was the Certified Wetland Specialist, Environmental Engineer, and Restoration Engineer for the Lake County Division of Transportation Fairfield Road at IL Route 176 Junction Improvements project located in Unincorporated Lake County, Illinois. Mr. Stuedemann coordinated closely with the client, other consultants, Lake County Forest Preserves, Lake County Division of Transportation, and the U.S. Army Corps of Engineers for all environmental related services pertaining to the roadway, bike path, ravine restoration, and stormwater design development. Mr. Stuedemann's technical services included wetland sciences, tree surveys, botanic surveys, drain tile surveys, stream restoration design, preliminary environmental site assessments, sedimentation and erosion control, U.S. Army Corps of Engineers permitting, and Lake County Stormwater Management Commission stormwater permitting. Mr. Stuedemann's services included construction monitoring for the installation of plantings at the North, South, and West stormwater detention ponds. Each of these ponds was designed and constructed as wetland bottom ponds for improved water quality and stormwater detention. Services included Fall 2013 and Spring 2014 construction oversight. Mr. Stuedemann's monitoring services included: 3-year NAI monitoring; coordination with LCDOT and Lake County Forest Preserves; coordination with the construction contractor; coordination with the landscape contractor; and coordination with the maintenance contractor. The intent of these monitoring services was to monitor and maintain the designated NAI areas for a minimum period of three years, or until performance requirements are met as specified in the Fairfield at IL Route 176 NAI Special Provisions. The NAI Acceptance Criteria was met in 2018 at the end of the third year and was accepted and transferred to the Lake County Forest Preserves.

Stormwater and CTW Engineer, Greensmiths Tailings Pile Constructed Treatment Wetland, Burnet County, Texas

Mr. Stuedemann was the Project Manager for the Greensmiths Tailings Pile Constructed Treatment Project located in Burnet County, Texas. The objective of the Greensmiths project was to mitigate impacts from the Greensmiths Graphite Mine Tailings Pile to



Baron Stuedemann, P.E., P.W.S.

Associate Principal

adjacent surface water and groundwater in accordance with the Texas Council on Environmental Quality (TCEQ) Agreed Order. This project included a preliminary site investigation, stormwater management design, constructed treatment wetland design, monitoring, and maintenance. In addition to coordinating two clients, five subconsultants, TCEQ, and the Lower Colorado River Authority (LCRA), Mr. Stuedemann was responsible for the technical development, management, and coordination of the site investigations, the CTW conceptual design layout, and the alternatives cost analysis.

Project Manager and CTW Engineer, Atlantic Ridgefield Company (ARCO) Sebree Landfill Constructed Treatment Wetland, Sebree, Kentucky

Mr. Stuedemann was the Project Manager and Senior Engineer for the landfill leachate CTW project located in Sebree, Webster County, Kentucky. Mr. Stuedemann provided CTW analysis, design, and plan set preparation, as well as permitting coordination with the Kentucky Department of Environmental Protection (KDPE) and the USACE. The objective of the Sebree constructed treatment wetland project was to intercept and treat cyanide and fluoride in the landfill leachate prior to release into nearby Montana Creek. Technical services included: treatability evaluation; conceptual design and cost analysis; preliminary engineering design report; final design and specifications; construction oversight planning; and system start-up and performance evaluation plans. The CTW system demonstrated a potential reduction of landfill leachate disposal costs from approximately \$1.00 per gallon to \$0.10 per gallon, which calculated to a potential 90% reduction in leachate disposal costs and a potential annual savings of approximately \$360,000. The estimated payback period for construction costs was 2 years.

Restoration Engineer and Wetland Scientist, Blanchard Alliance Church, Warrenville, DuPage County, Illinois

Mr. Stuedemann was the Wetland Specialist for the Blanchard Alliance Church Project located in Warrenville, DuPage County, IL. Mr. Stuedemann coordinated closely with the Church, the design engineers, DuPage County, and the U.S. Army Corps of Engineers for all environmental related services pertaining to wetlands, green infrastructure design, and environmental permitting. Mr. Stuedemann's technical services included: wetland delineation, wetland mitigation coordination, naturalized stormwater basin design, planting plans, wetland maintenance and monitoring plan, septic field expansion design, detailed DuPage County stormwater management permitting, and U.S. Army Corps of Engineers 401/404 permitting.

Stormwater and Restoration Engineer, DuPage County DOT, East Branch DuPage River Project, DuPage County, Illinois

Mr. Stuedemann was the Project Manager for the East Branch DuPage River Project, which was a nineteen-acre site located in central DuPage County, IL. This site was located within the floodplain of the East Branch DuPage River. The objectives of this project were to reduce regional flooding, improve water quality, and enhance wildlife habitat. Mr. Stuedemann headed the design and development of the project, which included wetland, riparian environment, ecological, and water quality services. Key elements of this project included: demolition of seven homes on the site; wetland and soil survey delineation; riparian environment analysis and mitigation; stormwater compensatory storage analysis and design; on-line detention analysis and design; wildlife habitat analysis; tree survey; water quality sampling and analysis; soil sampling and analysis; engineering grading plans; complete native vegetation planting plans for the project site; U.S. Army Corps of Engineers 401/404 permitting; and DuPage County stormwater permitting.

Stormwater and Restoration Engineer, DuPage County DOT, Regency Drive Drainage Improvements, DuPage County, Illinois

Mr. Stuedemann was the Project Manager for the Regency Drive Drainage Improvements Project, which was a four-acre site located in central DuPage County, IL. This site included a tributary stream to the East Branch of the DuPage River. The objectives of this project were to reduce flooding near Army Trail Road, improve water quality, and enhance wildlife habitat. Mr. Stuedemann headed the design and development of the project, which included stream restoration, wetland, riparian environment, ecological, and water quality services. Key elements of this project included: stream restoration design; wetland and soil survey delineation; riparian environment analysis and mitigation; stormwater compensatory storage analysis and design; on-line detention analysis and design; sedimentation and erosion control design; wildlife habitat analysis; tree survey; soil sampling and analysis; engineering grading plans; complete native vegetation planting plans for the entire project site; U.S. Army Corps of Engineers 401/404 permitting; and DuPage County stormwater permitting.



Shane A. Cuplin, P.G.

Senior Project Manager

Summary of Experience

Shane Cuplin is a geologist with experience in environmental remediation as well as involvement with various aspects of special waste management as related to transportation projects. His background includes Phase I ESAs, Phase II Subsurface Investigations, Special Waste Screening (Preliminary Environmental Site Assessments), Special Waste Sampling (Preliminary Site Investigations), clean construction and demolition debris (CCDD) and involvement in various leaking underground storage tank and site remediation site throughout the Midwest. Mr. Cuplin is an Illinois Registered Professional Geologist.

Relevant Project Experience

REMEDIATION

- Attained a No Further Remediation (NFR) letter through the Illinois EPA Site Remediation Program (SRP) for a lead and mercury impacted property in Danville, Illinois (2018)
- Provide closure activities for a RCRA Hazardous Waste site which is one of the US EPA Region 7 Pilot Sites specifically selected for the RCRA Facilities Investigation Remedy Selection Track (RCRA FIRST Toolbox). Activities include preparation of various Work Plans, soil and groundwater sampling, conducting remediation, and completion of US EPA RCRA program reports (2015-present)
- Provided oversight during remedial activities at a former industrial site impacted by polychlorinated biphenyls (PCBs) in South Elgin, Illinois (2016)
- Gained fast-track closure through the Illinois EPA SRP program for a chlorinated solvent impacted property to enable redevelopment as community recreation facility (2014-2015)
- Conducted subsurface investigations and remediation within the Kansas Voluntary Cleanup Program (VCP) at multiple grain elevators contaminated with fertilizer, herbicides, and pesticides (2007-2015)
- Attained issuance of an NFR letter through the Illinois SRP program for a former industrial property with metals and chlorinated solvent impacts in Aurora, Illinois (2009)

PHASE I ENVIRONMENTAL SITE ASSESSMENTS (ESA)

- Conducted ESAs of various industrial facilities including a pesticide manufacturer (2007-present)
- Conducted several ESAs of farm fields and vacant land in Waukegan and Lake Barrington (2006-2007)
- Conducted an ESA at former electronics warehouse in Des Plaines, Illinois (2009)
- Conducted an ESA of an off-airport parking facility in Orlando, Florida (2008)

Education

B.S., 1999, Geology, Western Illinois University, Macomb, IL
Coursework completed towards M.S., 2001, Hydrogeology, Northern Illinois University, DeKalb, IL

Licenses & Registrations

Illinois Registered Professional Geologist, 2009, #196.001279
Kansas Licensed Geologist, 2014, #852

Areas of Specialization

- Geology/Hydrogeology
- Subsurface Soil and Groundwater Investigation and Remediation
- UST Removal/Abandonment
- UST Investigation and Remediation to Closure
- Preliminary Environmental Site Assessments
- Preliminary Site Investigations
- Environmental Site Assessments (Phase I and II)



Shane A. Cuplin, P.G.

Senior Project Manager

- Conducted an ESA and performed oversight of debris removal at an undeveloped parcel in Hampshire, Illinois (2008)
- Conducted an ESA for a municipal well facility in St Charles, Illinois (2007)

PHASE II LIMITED SUBSURFACE INVESTIGATIONS (LSI)

- Acted as Project Manager and prepared LSI Work Plans and provided coordination, oversight, and Phase II Report preparation for sites in Cook County, Illinois as part ongoing contract for Phase II services for Metropolitan Water Reclamation District (2016-present)
- Prepared Work Plan and coordinated field activities, for LSI activities at former automotive repair / body shop in Geneva, Illinois (2016)
- Completed subsurface activities including sampling of soil and groundwater for investigation in response to a compromised sewer line at an industrial facility in Carol Stream, Illinois (2015)
- Conducted a subsurface investigation at a power plant facility in Indiana (2011)
- Performed subsurface investigation consisting of advancement of 100+ soil borings and test pits at 33-acre former an industrial site in Aurora, Illinois (2007-2009)
- Conducted subsurface investigation at an industrial facility in Gary, Indiana (2008)
- Conducted subsurface investigation associated with a Brownfields Redevelopment Project in St. Charles, Illinois (2006)

UST REMOVAL AND DOCUMENTATION

- Coordinated sampling and reporting activities at an IEPA Leaking Underground Storage Tank (LUST) site in order to prepare a Site Investigation Completion Report and Corrective Action Plan. In East Dubuque, Illinois (2018)
- Completed oversight and sampling activities during underground storage tank (UST) removal as well as completion of required UST closure reporting to the Illinois Office of the State Fire Marshal for a site in Rockford, Illinois (2015)
- Completed soil and groundwater sampling at the IEPA LUST site with subsequent preparation of 20-day, 45-day, Correction Action Plan, and Corrective Action Completion Report with issuance of an NFR Letter for a Highway Department garage in Yorkville, Illinois (2014-2015)
- Coordinated excavation of USTs and sampling activities as well completion of 20-day, 45-day, and additional reports required by the IEPA LUST Program for an automobile dealership in Downers Gove, Illinois (2011)

PRELIMINARY ENVIRONMENTAL SITE ASSESSMENTS (PESA) / PRELIMINARY SITE INVESTIGATION (PSI) / SPECIAL WASTE

- Ongoing direction of soils for final disposition at CCDD and/or soil only sites for various environmental design clients confronted with new Illinois EPA regulatory requirements (2010-present)
- Completed Special Waste Screening and sampling activities for various segments for improvements to the Illinois State Toll Highway Authority Route 90 Toll Road. Provided review and comments for additional special waste reports completed for the roadway (2012-present)
- Completed Special Waste Screening and sampling activities for water reclamation district improvements along various stream areas including along Tinley Creek and the Illinois and Michigan Canal, Tributary D (2012-2013)
- Conducted PSI soil borings along Union Pacific Railroad right-of-way in Elmhurst, Illinois (2009)
- Conducted soil borings along select portions of 2.25 miles of proposed bike trail improvements in Gary, Indiana (2009)



Shane A. Cuplin, P.G.

Senior Project Manager

- Conducted a PESA with soil borings for proposed improvements in Crystal Lake, Illinois involving Union Pacific Railroad right-of-way access (2008)
- Conducted a Phase I ISA and Red Flag Investigation for 2.25 miles of proposed bike trail improvements in Gary, Indiana (2008)

Certifications/Training

- An Introduction to Groundwater Modeling Using Visual MODFLOW, WinPEST and Hydro GeoBuilder (2011)
- Midwest Geosciences Group Advanced Aquifer Testing for Improved Hydrogeological Site Characterization (2009)
- Midwest Geosciences Group Aquifer Testing for Improved Hydrogeological Site Characterization (2007)
- OSHA 8 Hour, refresher course (2003-2016)
- OSHA 40 Hour, OSHA 29 CFR 1910.120(e)(4) for Hazardous Waste Sites (2002)



Patrick Lunt

Scientist II

Summary of Experience

Patrick Lunt is an Environmental Scientist for Huff & Huff, Inc. He joined our team in 2019 after interning in our GZA Grand Rapids office in the summer of 2018. He earned his Bachelor of Arts in Environmental Studies from Denison University in 2019. Patrick's experience includes report writing and preparing documentation of Phase I Environmental Site Assessments and Phase II subsurface investigations. Patrick's field experience also includes logging and sampling of soil for environmental purposes. Patrick's experience also includes report writing and preparing documentation for Preliminary Environmental Site Assessments (PESAs), Preliminary Site Investigations (PSIs), Clean Construction or Demolition Debris (CCDD) Certification and completing UST/LUST closure reports.

Education

BA, 2019 Environmental Studies with concentration in Environmental Management, Denison University, Granville, OH

Licenses & Registrations

OSHA 40-Hour Hazardous Waste Site Worker
Illinois Herbiciding License

Areas of Specialization

- Phase I Environmental Site Assessments (ESAs)
- Preliminary Environmental Site Assessments (PESAs)
- CCDD

Relevant Project Experience

Phase I and Phase II Environmental Site Assessments (ESAs) / Preliminary Environmental Site Assessments (PESAs)

- Completed ASTM Phase I ESA reports for various clients in the City of Chicago (2018-present).
- Completed ASTM Phase II ESA reports and field activities for various clients (2018-present).
- Completed PESAs from proposed roadway improvement projects for various clients (2019-present).
- Performed CCDD screenings for multiple roadway improvement projects. Included due diligence and preparation of LPC-662 and/or LPC-663 forms (2019 – present).
- Performed field soil boring sampling and geotechnical test pit sampling (2019).
- Created soil boring logs for multiple clients/projects (2019-present).
- Performed infiltration tests to determine infiltration rate of below soils (2019).

Experience Prior to GZA

Sanctuary Care & Preservation Intern - Zealandia (Wellington, New Zealand) October 2017 – December 2017

- Developed map of drains within park on ArcGIS
- Mentored groups of volunteer workers to make sure they completed the assigned tasks and stayed safe
- Contributed to a team to complete daily tasks as well as long term projects to protect critically endangered species

Crew Chief - Let Us Inc. (Grand Rapids, Michigan)



Patrick Lunt

Environmental Scientist

May 2017 – August 2017

- Demolition and installation crew. Installation of doors, walls, cabinets, and flooring



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