

# Engineering Report

## Pinnacle Athletic Campus - Phase I

June 2013

*Applicant:*

Pinnacle Athletic Campus  
85 High Tech Drive  
Rush, NY 14543

P.N. 20121584.0003

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PLANNING BOARD

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engineering architecture

# Pinnacle Athletic Campus Engineering Report

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## I. INTRODUCTION

The 94 acres known as the “Pinnacle Athletic Campus” was recently rezoned from I-Industrial to the Pinnacle Athletic Campus PDD by the Victor Town Board. As part of that action the Town Board conducted and concluded a SEQRA review of the project in its entirety specifically for the rezoning. Now that the rezoning process is complete, the developer intends to move forward with the Site Plan for Phase I of the project.

Phase I is situated on the eastern most portion of the property with frontage on Phillips Road. The total development area for this portion of the project is approximately 20 acres which includes the site and a proposed right-of-way which will be extended 1,075 feet into the site.

The proposal includes a two-story metal building which is separated into two parts. The northern most section of the facility will house an indoor sports facility, which consists of turf athletic fields on the first floor (field level) and a perimeter mezzanine at the second floor level. The mezzanine will allow spectators to view the various events on the fields. The turf building is approximately 242’ wide by 360’ deep for a total of 87,000 sf. The second portion of the building will include offices, locker rooms, restrooms, reception, a lobby and mechanical rooms/storage.

General site improvements include parking, stormwater management, lighting, and landscaping and access improvements.

With respect to SEQRA, the Town of Victor Planning Board will be considering the development of the entire Pinnacle Athletic Campus. This report will address SEQRA impacts for both Phase I and the project as a whole.

## II. EXISTING CONDITIONS

### A. Topography/ Drainage

For many years the site has been a sand and gravel pit operating under a mining permit from the NYSDEC. That permit is currently valid and active.

#### Phase 1

The Phase I area slopes moderately from north to south towards an existing creek. The exception to the mild topography is a pit which was historically excavated to a depth of approximately 30 feet. The pit will be filled as part of the proposed improvements. Phase I was specifically designed to orient the building as far north and east as possible to avoid construction on a significant amount of structural fill. By positioning the building in this fashion, the major fill area is limited to the western parking lot.

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Under developed conditions a private storm sewer system will be installed through the site to collect runoff from the parking areas and building. From there it will be conveyed to one of several proposed Green Infrastructure practices and/or Stormwater Management Areas (SMA's) as depicted on the site plans and explained in detail in the Stormwater Pollution Prevention Plan (SWPPP).

The existing stormwater runoff rates, drainage area and associated calculations for the existing drainage area are shown in the SWPPP.

## Full Build Out

The balance of the site contains a wide variety of topography which is primarily due to the historical mining operations of the site. There is a mild hill in the center of the project north of the Auburn Trail and the Tributary to Irondequoit. The site drops in grade from that hill to the west to a mining area where there are steep slopes that have been previously disturbed. Under developed conditions, the intent is to lower the hill and use the material to fill the pit areas on site. By lowering the hill the visual impact of any future development in that area will be reduced.

The western most portion of the site has been planned for a variety of outdoor recreational activities in lieu of building pad sites. This approach will ultimately allow the developer to take advantage of the existing grades to some extent without the need to create very large flat areas containing buildings and parking lots. There is also an extensive trail network with environmental features adjacent to this portion of the development. The impact to that area, and adjacent single family homes, is reduced by positioning the building sites further north and east into the previously disturbed area adjacent to the existing industrial uses.

Drainage from the northern portion of the project, flows from north to south towards a tributary to Irondequoit Creek (Trib. No. ONT-108-P-113-3-30-1). There are several temporary low areas both on the eastern portion of the parcel and to the far west which were created as a result of the mining operations. Similarly, the south section of the project flows from south to north into the same tributary. There is also another branch of the creek which extends along the western boundary line of the southern parcel. This area contains pockets of water and low areas which were created by the mining operations.

## **B. Soils**

According to the USDA Soils survey, there are nineteen types of soil on the site. As large parts of the site have been mined as part of the quarry operations, it is clear that the soils are well-drained. It is clear based on a field investigation that the soils are sand and gravel (see SWPPP for detail).

The historical operations of the site have provided insight on what conditions to expect during construction of the project. In addition to the sand and gravel, it is evident that the water table is deeper than 6 feet below grade and no bedrock is

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present on the site. From the field inspection of the existing 30' deep gravel pits, there is not standing water.

## C. Wetlands

### Phase I

According to federal wetlands maps there are no federal wetlands within the proposed development area. There are pockets of seasonal standing water in areas that are not drained due to the mining and excavating. These areas are hydrologically isolated and do not qualify as regulated wetlands. In fact, the owner of the parcel currently has an active mining permit from the NYSDEC that allows him to continue to mine and disturb these areas.

### Full Build Out

The northern and central sections of the project do not contain any areas that could be considered wetlands. The western most portion of the site contains undrained pockets of water similar to the Phase I area where mining operations have resulted in low areas. The only mapped wetland is located in the ball field area on the south side of Auburn Trail. Federal Wetland PUBFx is along the southern portion of that parcel and is less than an acre in area. Although mapped on the National Wetland Inventory (NWI), it does not contain the characteristics of a jurisdictional wetland. This area is a large depression that resulted from excavations associated with the mining operations. It does not contain any habitat and does not have a hydrologic connection to local drainage systems. Prior to development of that area, a wetland biologist will review the characteristics of the mapped wetland with the USACOE to ensure that it is not jurisdictional.

## D. Floodplain

### Phase I

There is no floodplain in the Phase I development area.

### Full Build out

According to FEMA map No. 3612490003C, dated September 30, 1983, there is a flood zone along the Tributary to Irondequoit Creek. It extends approximately 50 feet from the centerline and does not impact any of the proposed development areas. Once a phase of development is proposed to cross the creek, the crossing will be appropriately sized to convey the flow through the proposed culvert. No substantial filling will be proposed in the flood plain for any of the future phases.

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### E. Archeological Sensitive Areas

The New York State Parks, Recreation and Historic Preservation circle and square map of archaeological sensitive areas identifies the entire project area as NOT being within the sensitive area. This is also very clear since the majority of the site has been disturbed overtime with large excavations.

### F. NYSDEC Environmental Resources

The NYSDEC has an Environmental Resource Mapper on its website. The Environmental Resource Mapper is an interactive mapping application that can be used to identify some of New York State's natural resources and environmental features that are state protected, or of conservation concern. It displays the following:

- Animals and plants that are rare in New York, including those listed as Endangered or Threatened (generalized locations). [Updated May 2008]
- Significant natural communities, such as rare or high-quality forests, wetlands, and other habitat types.
- New York's streams, rivers, lakes, and ponds; water quality classifications are also displayed.

According to this resource there are NO endangered or threatened animals or plants located in the vicinity of the project. Nor are there any significant natural communities in the vicinity of the project.

## III. LAND USE/ZONING

### Full Build Out

In the early spring of 2013, the 94 acre site was reviewed in detail by the Victor Town Board in conjunction with a request to rezone the parcel from Industrial to a Planned Development District. As a result of that effort, the Town Board re-zoned the property to the Pinnacle Athletic Campus Planned Development District (PACPDD). The PACPDD includes a Preliminary Development Plan for the 94-acre site which illustrates future land uses for the various portions of the property.

All future phases of the development will be designed in accordance with the approved PACPDD and the corresponding requirements set forth for each specific area of the site.

### Phase I

One of the approved uses of the PACPDD Building #6, as referenced in the "Preliminary Development Plan" was identified as an Indoor Athletic Facility.

The current proposal includes that portion of the development plan. The Phase I site plan was prepared based upon the bulk area requirements set forth in the PACPDD:

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Setbacks	Buildings	Parking
Front:	100'	75'
From Phillips Road	100'	75'
From Proposed ROW	50'	25'
From PDD nonresidential line	50'	40'
Side	15'	15'
Rear	40'	25'
Front	50'	25'
Building Height	Lesser of 50 feet or 3 stories	
Lot Coverage*	40% maximum	
Total Open Space*	35% minimum	

\*Applies to entire complex

Phase I of the PACPDD as currently proposed meets or exceeds the thresholds listed above and is proposed in conformity with the PACPDD.

## IV. UTILITIES

### A. Sanitary Sewer

#### Phase I

Phase I of the development will be serviced by a new 8" gravity sewer. The sewer will connect at an existing manhole which is positioned along the west side of Phillips Road at the project entrance. The new sewer will extend west into the project along the proposed dedicated road and then north to service the proposed building. This sewer is proposed to be private/dedicated and due to the topography only sever Phase I.

The existing dedicated sewer is owned and maintained by the Victor Sewer District. It drains from north to south to an existing above ground pump station which is situated at the Southeast corner of the overall parcel. The pump station is identified as Station #27-700 Phillips Road P30A. Current projections by the district for the pump station include a planned upgrade in several years to improve system controls and add a generator.

The anticipated demands for Phase I of the project are shown below:

#### 1. Average Daily Loading:

a. Athletic Facility (based on 5gpd / person)\*  
 $\rightarrow 500 \text{ people / average day} * 5 \text{ gpd} = 2,500 \text{ GPD}$

b. Office Building:  $17,000 \text{ sf} * \overset{0.1}{0.01} \text{ gpd}^* = 1,700 \text{ GPD}$   
**Total=4,200 GPD**

\*per NYSDEC "Design Standards for Wastewater Treatment Works"

"Sports stadium"

Calc is correct. Loading  
to be shown

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2. Maximum Peak loading:  
= 4,200 gpd \* 1 day/12 operational hours \* 1 hour/60 minutes \*  
= 5.8 gpm

Using a perking factor of five times the maximum peak loading is 29 gpm.

As demonstrated above, Phase 1 of the PACPDD has a relative low water usage rate when compared to other approved land uses which are permitted in the PDD. For this reason, it would be prudent to investigate any required capacity upgrades to the existing pump station when the future, more intense water usage, land uses are proposed within the PACPDD. At that time, it can be determined what the total projected flow rate is for the use which will allow the district to determine the appropriate upgrades if required. Any capacity related upgrades to the system as part of Phase I are premature and not warranted.

## Full Build Out

Due to the topography of the site and future alignment of Pinnacle Drive, the sanitary sewer system installed as part of Phase I will not be able to service the remaining areas within the PACPDD. The current Phase I plans depict a future sanitary sewer routing along the southern property line of the project which will be installed to service all future parcels via gravity. The trunk sewer will connect south of the existing pump station on Phillips Road and extend west along the Auburn Trail into the site. Approximately 1000 feet into the site, the sewer will turn north and enter the future right of way for Pinnacle Drive. From there the dedicated gravity sewer will follow Pinnacle Drive and service all future parcels. The proposed sanitary sewer has been designed to a depth to allow for a connection from Main Street Fishers should it ever be required.

The development of the area to the south of the trail system will generate a minimal amount of wastewater. It is anticipated that when that phase of the project develops, a small, private, grinder pump and stream crossing will be installed to allow a connection to the gravity system.

As each phase of the project develops, the projected wastewater from that phase will be determined. Those projections will then be used to examine the capacity and operations of the existing pump stations which will be impacted to determine if any upgrades are required at that time. Although unknown at this time, the average daily water usage for the entire complex is estimated to be 45,000 gpd.

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## B. Water

MCWA

### Phase I

Water for the project for both domestic needs and fire protection will be provided by connecting to an existing water main in the Phillips Road right-of-way. All facilities on Lot #1 will be private and constructed in accordance with the NYSDOH specifications and AWWA Standards. The Town of Victors water distribution system was recently turned over to the Monroe County Water Authority (MCWA). Therefore, the proposed watermain extension and combined water service have been designed in accordance with the applicable requirements of the MCWA.

A dedicated section of watermain will be extended west along the proposed Pinnacle Drive temporarily ending with a fire hydrant. From there, a private 6" combined water service will be extended north into the project. Upon entering the proposed building, the water service will be equipped with a water meter and backflow prevention. The proposed building will be equipped with a fire suppression system including sprinklers.

The characteristics of the water system are shown below and are based on hydrant flow data as provided by the Monroe County Water Authority.

Location: Phillips Road  
Test Date: 5/9/2013

Pst = 93 psi  
Pres = 53 psi  
Qob = 1067 gpm  
Q20 = 1,477 gpm  
Elevation=555

The minimum expected pressure during a fire flow scenario requiring 1,000 gpm is shown below.

Pressure = Residual Pressure – system losses  
 $P = 53 \text{ psi} - 10 \text{ psi (Watts 957 RPZ)} - 3 \text{ psi (Omni Water Meter)} = 30 \text{ psi}$ .

The resulting pressure is greater than the minimum 20 psi required for Fire Flow. Due to the high static pressure, Domestic water needs are not a concern at this point.

### Full Build Out

MCWA

The dead end main installed as part of the Phase I construction will be extended west and north along Pinnacle Drive to service future projects within the PACPDD when they are proposed. Once Pinnacle Drive is extended to Main Street Fishers Road, the new watermain will connect to an existing main along Main Street Fishers

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Road to create a looped system. The dedicated system along Pinnacle Drive will be equipped with dedicated fire hydrants meeting the MCWA and Town of Victor requirements.

Private water services will be installed for each of the future phases. Each time that a phase of development is proposed, the impact of that development on the water distribution system will be analyzed to ensure that adequate domestic flow and fire protection area available. The individual needs for backflow prevention and metering will be determined on a phase by phase basis. Each phase of the development will be subject to review and approval by the MCWA.

## V. STORMWATER MANAGEMENT

### Phase I

Stormwater management for Phase I includes a variety of conventional and Green Infrastructure practices. Collectively these areas provide a reduction in the peak rate of runoff Water Quality Volume (WQv), Channel Protection Volume (CPv) and Runoff Reduction Volume (RRv). The first major Stormwater Management element is a series of proposed vegetated swales that are positioned in the parking fields. Sheetflow from the parking lots enter these areas for initial treatment. From there, the runoff is conveyed to three Infiltration Basins situated along the southern portion of the Phase I area. These basins are designed to allow the runoff to infiltrate into the subsoil providing groundwater recharge. During extreme events, an overflow pipe as been designed to convey the treated stormwater from the site to the Tributary to Irondequoit Creek.

The sand and gravel composition of the project area make the proposed infiltration practices an ideal solution for meeting the various requirements of the Town and NYSDEC General Permit (GP-0-10-01). Additional Green Infrastructure Practices include vegetated swales, rooftop disconnection and tree plantings.

Please reference the Stormwater Pollution Prevention Plan (SWPPP) proposed for Phase I of the development for additional information and detailed calculations.

### Full Build Out

Each future phase of the development will have its own stormwater management practices conforming with the requirements of the Town and NYSDEC. Prior to the implementation of the current DEC General Permit and Design Manual, it was common to provide large ponds to provide regional stormwater management for large areas of phases development. However, due to ongoing research and the examination of the performance of existing facilities, the regulations have shifted to a focus on "source control". The idea of source control is that stormwater runoff should be treated as close to the new impervious areas as possible. For that reason, each future phase and parcel will have individual measures for stormwater management.

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An individual (SWPPP) will be prepared for each phase of the development. That SWPPP will be reviewed by the Town Engineer and Town of Victor prior to approval.

## VI. LANDSCAPING & LIGHTING

### Phase I

The landscaping will include foundation plantings, shade trees, evergreen screening and designated landscape bed areas. The shade trees will complement the open space areas and provide a reduction in the "heat island effect" at the parking lots and along the proposed dedicated roadway. An enhanced landscaped bed is also proposed at the project's entrance and will include a mixture of flowering trees and shrubs. Screening is also provided to the north per the PACPDD Zoning Code. All of the plants and materials proposed are native and will not have a detrimental impact to the environment.

The lighting within the project will be provided by Shoe Box style LED area lighting. The lighting has been designed to provide an average luminance of 0.5 foot candles (fc) in the parking lot area. 0.5 fc is considered a safe level of light and not intrusive to neighboring properties. For example, there are many commercial uses who exceed an average of 10-15Fc's. Post top type LED fixtures will be provided along the proposed dedicated roadway in accordance with the provisions of the PACPDD zoning code. All lighting is designed to be Dark Sky compliant with light spill contained on the subject property.

### Full Build Out

Specific Landscaping for future phases will be determined during the design phase of each project. At a minimum, each phase will meet the requirements of the PACPDD and the Town of Victor design requirements. These include, at a minimum, foundation plantings, shade trees, screening from adjacent properties and street tree plantings along the proposed Pinnacle Drive right of way.

Each future phase of development will be subject to a detailed review of the landscaping as part of the Site Plan Approval process.

## VII. TRAFFIC/ VEHICLE AND PEDESTRIAN ACCESS

*A detailed Traffic Impact Study (TIS) was prepared as part of the PACPDD rezoning process and is on file with the Town of Victor. The TIS provides detailed information regarding the existing transportation system and projected impact from the PAC.*

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## Phase I

Access to the project will be provided by extending a new dedicated roadway (Pinnacle Drive) 1,075 feet west off of Phillips Road. Phillips Road is an existing collector road which is owned and maintained by the Town of Victor. At the terminus of the proposed roadway, a temporary turnaround will be provided.

Access to Phase I will be accomplished by one of three proposed curb cuts. The first curb cut services the eastern parking lot while the second and third curb cuts provide access to the west parking lot. During the majority of the time, the operations of the facility will include athletic games/practice both in the weekday PM peak hour and on Saturdays. During these periods it is expected that the maximum occupancy of the facility will be approximately 500 people. Assuming 2 persons/vehicle, it is expected that on most occasions the eastern parking lot will have the capacity to service all patrons. During isolated regional events and tournaments (2-3 per year), the maximum occupancy is expected to increase to approximately 1,500 people requiring 750 parking spaces. In anticipation of this scenario, the western side of the development has been designed to provide an overflow parking lot consisting of compacted asphalt millings.

The Pinnacle Athletic Campus TIS includes traffic mitigation recommendations for Phase I of the proposal as well as the overall development. The applicable recommendations for Phase I of the project include the installation of a northbound left turn lane at the project entrance off of Phillips Road. The current design plans include the proposed geometric lane improvements required to support the installation of that turn lane.

Sidewalks have been provided along both the east and west frontage of the proposed building. While sidewalks will ultimately be constructed along the entire length of the proposed Pinnacle Drive, they are not warranted for Phase 1. There are no walkable destination points within the immediate area of the current proposal other than the Auburn Trail system to the south. The current proposal includes a connection from the Phase I building to that trail system.

## Full Build Out

As each phase of the project develops, the traffic impacts associated with that phase will be determined and compared against the approved Traffic Impact Study for the Campus. As part of that study, it was determined that several areas in the vicinity of the project warrant future analysis and consideration. Please reference the TIS for additional information.

Future phases of the development will include the extension of Pinnacle Drive, a dedicated roadway. At such time that it is deemed appropriate with respect to safety and traffic flow, Pinnacle Drive will be extended north and connect to Main Street Fishers, providing two points of access to the site. The connection to Main Street Fishers has been conceptually designed to connect across from Saurer Farms Road.

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Access to the southern parcel will require a crossing of the Tributary to Irondequoit Creek. When that portion of the Campus is proposed, the applicant will be required to obtain permits from the USACOE and NYSDEC.

Once the second phase of the project is developed, it will be appropriate to provide a pedestrian connection along Pinnacle Drive so that patrons using the Campus can walk from one facility to the next. The sidewalk system will untimely travel along the entire length of Pinnacle Drive providing a walkable campus and connections to each phase of the development. Several connections to Auburn Trail will also be provided so that people outside of the project area can travel to the site by walking or by bicycle.

In addition to providing a pedestrian connection to the sidewalk system along Pinnacle Drive, each phase of the development will be internally served with sidewalks. These localized systems will be reviewed in detail as part of the Site Plan approval process for those future phases.

## VIII. LANDFILL

### A. Potential Impact on the PAC Development from the adjacent Landfill

#### A.1 Existing Conditions and Background

The Pinnacle Athletic Campus PACPDD is comprised of 94 acres of land situated on 3 parcels. One of the parcels (23 acres) is adjacent to the Genesee Sand & Gravel Landfill. (See attached Map). The landfill was closed in 1995 and delisted from the NYSDEC's Inactive Hazardous Waste List in December 1992. The landfill is currently owned by Ontario County through foreclosure.

The PAC and landfill parcel were once owned by the same owner, Genesee Sand and Gravel Company. The PAC applicant formed Genesee Land and Gravel, LLC, then purchased the land and gravel mining permit, but not the landfill parcel. Subsequently, Genesee Sand & Gravel, LLC was incorporated into Mendon Pond Properties, LLC. There was some confusion with the same name of the business and the owner of the landfill, but that is resolved with the new LLC being formed. The applicant has never had any business or ownership interest in the landfill.

Landfill post closure activities included construction of an access road, stormwater ponds and ground water monitoring wells. Post closure monitoring funds have been exhausted. The last ground water monitoring was conducted in 2010. The results of the 2010 ground water monitoring indicated that the leachette concentration levels were low. It should be noted that Ground Water Monitoring Well 'B8' contained varying levels of Methane Gas. Ground water flow is in the west to northwest direction. The ground water depth is 10-20 feet.

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There are two stormwater management ponds that collect surface runoff from the landfill. The ponds are located on the PAC developments parcel, west of the landfill.

## B. Potential Impacts to the Proposed PAC Development & Mitigation

### B.1 Potential Impact to the PAC Development due to Monitoring Wells

The PAC development includes a parcel of land on the south side of the creek, Auburn Trail and abandoned railroad bed. As per the Preliminary Development Plan (PDD) and the, this area proposes to be constructed into athletic fields (soccer, baseball, lacrosse, etc.). From the monitoring well map provided by NYSDEC, there are several wells that may conflict with the athletic field layout. This will require well abandonment, relocation or redesign of the preliminary athletic field layout when the athletic fields are developed. Until such time, there is no reason to select any specific action to avoid wells. As an example, there was a design modification during the PDD rezoning to shift one of the athletic fields to avoid Monitoring Well 'B8'. For completeness, the monitoring wells will be added to the sites topographic survey for future disposition.

### B.2 Potential Impacts to PACPDD due to the Stormwater Management (SMA's) Area

The northwest pond is proposed to remain in place to further attenuate stormwater runoff from the landfill. The landfill is fully over grown with mature grasses and so it is believed that the stormwater ponds were needed during the filling of the landfill due to the exposed, unvegetated cap. Nonetheless, the northeast pond can be utilized and expanded to serve the athletic fields when this area of the PAC is developed. The reuse of its outlet discharge will avoid impact to the existing stream. There is no proposed change to the southeast Stormwater Management pond.

### B.3 Potential Impacts to the PACPDD due to Ground Water Contamination

Ground water monitoring wells indicated that the leachette concentration levels are low, but more importantly is ground water is 10-20 feet below the athletic field surface. There will be no contact with ground water as part of the development of this area. Any and all utilities needed to be installed to service this area would be less than 8 feet deep and away from any ground water.

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Moreover, the Site, both the north and south sides, contain gravel pits 30-50 feet deep. There is no sign of standing water or smell of leachette. The mitigation offered to avoid any potential impact due to ground water is as follows:

- A ground water sample will be collected to confirm similar results to the past trends prior to development of the athletic fields and parcels along the south line of the north PAC parcel. The sampling point will include either the existing wells, new geoprobes and/or a combination of both. See attached Sampling Map. Sample data will be shared with Town of Victor and DEC.
- No infrastructure will be installed greater than the water table (+/-10 ft.).
- Athletic fields will be built with a topsoil cap creating a separation from existing soils and ground water.
- No ground water well system will be utilized for potable water or irrigation of the athletic field.
- Public Water is available and will be utilized to serve public bathrooms and irrigation of the athletic fields and individual site developments.

## B.4 Potential Impact to PACPDD due to Methane Gas

Methane Gas was found in various levels of concentration in Well 'B8'. Although it is not confined in the proposed athletic field area, it could be if a dugout/locker building or grand stand structure was built. Moreover, we are uncertain as to the migration of methane gas to the north or west. To avoid the potential impact of Methane gas, we propose to conduct geoprobe tests for leachette and for the presence of methane gas. Each individual building pads along the south line of the PAC parcel and in the athletic field area shall have 2 geoprobe tests conducted during the time of development. If Methane gas is present, a foundation venting system, similar to the type that is used for Radon gases, shall be installed.

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## **APPENDIX 1: LONG EAF (ENTIRE CAMPUS)**

617.21  
Appendix A  
State Environmental Quality Review  
**FULL ENVIRONMENTAL ASSESSMENT FORM**

**Purpose:** The full EAF is designed to help applicants and agencies determine, in an orderly manner, whether a project or action may be significant. The question of whether an action may be significant is not always easy to answer. Frequently, there are aspects of a project that are subjective or unmeasurable. It is also understood that those who determine significance may have little or no formal knowledge of the environment or may be technically expert in environmental analysis. In addition, many who have knowledge in one particular area may not be aware of the broader concerns affecting the question of significance.

The full EAF is intended to provide a method whereby applicants and agencies can be assured that the determination process has been orderly, comprehensive in nature, yet flexible to allow introduction of information to fit a project or action. Full EAF Components: The full EAF is comprised of three parts:

**Part 1:** Provides objective data and information about a given project and its site. By identifying basic project data, it assists a reviewer in the analysis that takes place in Parts 2 and 3.

**Part 2:** Focuses on identifying the range of possible impacts that may occur from a project or action. It provides guidance as to whether an impact is likely to be considered small to moderate or whether it is a potentially-large impact. The form also identifies whether an impact can be mitigated or reduced.

**Part 3:** If any impact in Part 2 is identified as potentially-large, then Part 3 is used to evaluate whether or not the impact is actually important.

**DETERMINATION OF SIGNIFICANCE – Type 1 and Unlisted Actions**

**Identify the Portions of EAF completed for this project:**       Part 1       Part 2       Part 3

Upon review of the information recorded on this EAF (Parts 1 and 2 and 3 if appropriate), and any other supporting information, and considering both the magnitude and importance of each impact, it is reasonably determined by the lead agency that:

- A. The project will not result in any large and important impact(s) and, therefore, is one which **will not** have a significant impact on the environment, therefore **a negative declaration will be prepared.**
- B. Although the project could have a significant effect on the environment, there will not be a significant effect for this Unlisted Action because the mitigation measures described in PART 3 have been required, therefore **a CONDITIONED negative delcaration will be prepared.\***
- C. The project may result in one or more large and important impacts that may have a significant impact on the environment, therefore **a positive delcaration will be prepared.**

\* A Conditioned Negative Declaration is only valid for Unlisted Actions.

**Pinnacle Athletic Campus**

Name of Action

**Town of Victor Planning Board**

Name of Lead Agency

Print or Type Name of Responsible Officer in Lead Agency

Title of Responsible Officer

Signature of Responsible Officer in Lead Agency

Signature of Preparer (If different from responsible officer)

5/21/13

Date

# PART 1 - PROJECT INFORMATION

## Prepared by Project Sponsor

NOTICE: This document is designed to assist in determining whether the action proposed may have a significant effect on the environment. Please complete the entire form, Parts A through E. Answers to these questions will be considered as part of the application for approval and may be subject to further verification and public review. Provide any additional information you believe will be needed to complete Parts 2 and 3.

It is expected that completion of the full EAF will be dependent on information currently available and will not involve new studies, research or investigation. If information requiring such additional work is unavailable, so indicate and specify each instance.

NAME OF ACTION <b>Pinnacle Athletic Campus - PDD</b>		
LOCATION OF ACTION (Include Street Address, Municipality and County) <b>SW Corner of Fisher's &amp; Philips Road</b>		
NAME OF APPLICANT/SPONSOR <b>Pinnacle Athletic Campus DBA</b>		BUSINESS TELEPHONE <b>585-359-9242</b>
ADDRESS <b>85 High Tech Drive</b>		
CITY/PO <b>Rush</b>	STATE <b>NY</b>	ZIP CODE <b>14543</b>
NAME OF OWNER (if different) <b>Genesee Sand &amp; Gravel, LLC</b>		BUSINESS TELEPHONE
ADDRESS <b>Same</b>		
CITY/PO	STATE	ZIP CODE
DESCRIPTION OF ACTION <b>Pinnacle Athletic Campus proposes to develop and construct a Health and Wellness themed project that will consist of a Indoor &amp; Outdoor Multipurpose Athletic Facilities and related Commerical Businesses.</b>		

Please Complete Each Question - Indicate N.A. if not applicable

### A. Site Description

Physical setting of overall project, both developed and undeveloped areas.

1. Present land use:     Urban     Industrial     Commercial     Residential (suburban)     Rural (non-far)  
                                   Forest     Agriculture     Other **Vacant**
2. Total acreage of project area: **94** acres.

APPROXIMATE ACREAGE	PRESENTLY	AFTER COMPLETION
Meadow or Brushland (Non-agricultural)	<u>71.4</u> acres	<u>0.5</u> acres
Forested	<u>8.0</u> acres	<u>7.2</u> acres
Agricultural (includes orchards, cropland, pasture, etc.)	<u>3.0</u> acres	<u>0</u> acres
Wetland (Freshwater or tidal as per Articles 24, 25 of ECL)	<u>0.1</u> acres	<u>0.1</u> Acres Stream
Water Surface Area	<u>0.5</u> acres	<u>2.6</u> acres
Unvegetated (Rock, earth or fill)	<u>11.0</u> acres	<u>0</u> acres
Roads, buildings and other paved surfaces	<u>0</u> acres	<u>26.0</u> acres
Other (Indicate Type) <b>Athletic Fields, outdoor sports</b>	<u>0</u> acres	<u>36.0</u> Acres
Other (Indicate Type) <b>Landscaped Areas (Lawn)</b>	<u>0</u> acres	<u>21.6</u> acres

3. What is predominant soil type(s) on project site?
- a. Soil drainage:  Well drained 80 % of site  Moderately well drained 10 % of site  
 Poorly drained 10 % of site
- b. If any agricultural land is involved, how many acres of soil are classified within soil group 1 through 4 of the Land Classification System? None acres. (See 1 NYCRR 370).
4. Are there bedrock outcroppings on project site?  Yes  No
- a. What is depth to bedrock? > 6' (in feet)
5. Approximate percentage of proposed project site with slopes:  0-10% 100 %  10-15% \_\_\_\_\_ %  
 15% or greater \_\_\_\_\_ %
6. Is project substantially contiguous to, or contain a building, site, or district, listed on the State or the National Registers of Historic Places?  Yes  No
7. Is project substantially contiguous to a site listed on the Register of National Natural Landmarks?  Yes  No
8. What is the depth of the water table? +/- 3' in feet)
9. Is site located over a primary, principal, or sole source aquifer?  Yes  No
10. Do hunting, fishing or shell fishing opportunities presently exist in the project area?  Yes  No
11. Does project site contain any species of plant or animal life that is identified as threatened or endangered?  
 Yes  No According to \_\_\_\_\_  
Identify each species \_\_\_\_\_
12. Are there any unique or unusual land forms on the project site? (i.e., cliffs, dunes, other geological formations)  
 Yes  No Describe: A small Federal Wetland is identified where a Recreational Pond was built.
- 
13. Is the project site presently used by the community or neighborhood as an open space or recreation area?  
 Yes  No Is yes, explain \_\_\_\_\_
14. Does the present site include scenic views known to be important to the community?  
 Yes  No
15. Streams within or contiguous to project area: C (T) Class / Perennial Stream
- a. Name of Stream and name of River to which it is tributary Tributary to Irondequoit Creek
16. Lakes, ponds, wetland areas within or contiguous to project area:  
a. Name Federal Wetland (Freshwater Pond) b. Size (in acres) 0.5
17. Is the site served by existing public utilities?  Yes  No
- a) If Yes, does sufficient capacity exist to allow connection?  Yes  No  
b) If Yes, will improvements be necessary to allow connection?  Yes  No  
**We anticipate having to increase a pump capacity.**
18. Is the site located in an agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304?  
 Yes  No
19. Is the site located in or substantially contiguous to a Critical Environmental Area designated pursuant to Article 8 of the ECL, and 6 NYCRR 617?  Yes  No
20. Has the site ever been used for the disposal of solid or hazardous wastes?  Yes  No

**B. Project Description**

- 1. Physical dimensions and scale of project (fill in dimensions as appropriate)
  - a. Total contiguous acreage owned or controlled by project sponsor 94 acres.
  - b. Project acreage to be developed: \_\_\_\_\_ acres initially; 94 acres ultimately.
  - c. Project acreage to remain undeveloped 0 acres.
  - d. Length of project, in miles: N/A (If appropriate)
  - e. If the project is an expansion, indicate percent of expansion proposed 0 %;
  - f. Number of off-street parking spaces existing 0; proposed 1922.
  - g. Maximum vehicular trips generated per hour 500 (upon completion of project)?
  - h. If residential: Number and type of housing units: N/A

	One Family	Two Family	Multiple Family	Condominium
Initially	_____	_____	_____	_____
Ultimately	_____	_____	_____	_____

- i. Dimensions (in feet) of largest proposed structure \_\_\_\_\_ height; \_\_\_\_\_ width; \_\_\_\_\_ length. (3 Stories)
- j. Linear feet of frontage along a public thoroughfare project will occupy is? \_\_\_\_\_ ft. N/A

2. How much natural material (i.e., rock, earth, etc.) will be removed from the site -0- tons/cubic yards.

- 3. Will disturbed areas be reclaimed?  Yes  No  N/A
  - a. If yes, for what intended purpose is the site being reclaimed? Topsoil & Subgrade Fill
  - b. Will topsoil be stockpiled for reclamation?  Yes  No
  - c. Will upper subsoil be stockpiled for reclamation?  Yes  No

4. How many acres of vegetation (trees, shrubs, ground covers) will be removed from site? -0- acres.

5. Will any mature forest (over 100 years old) or other locally-important vegetation be removed by this project?  
 Yes  No

6. If single phase project: Anticipated period of construction N/A months, (including demolition).

- 7. If multi-phased:
  - a. Total number of phases anticipated 5 (number).
  - b. Anticipated date of commencement phase I 6 month 2013 year.
  - c. Approximate completion date of final phase 12 month 2018 year.
  - d. Is phase I functionally dependent on subsequent phases?  Yes  No

8. Will blasting occur during construction?  Yes  No

9. Number of jobs generated: during construction 200; after project is complete 5 (estimated).

10. Number of jobs eliminated by this project -0-.

11. Will project require relocation of any projects or facilities?  Yes  No If yes, explain \_\_\_\_\_

12. Is surface liquid waste disposal involved?  Yes  No

- a. If yes, indicate type of waste (sewage, industrial, etc.) and amount \_\_\_\_\_
- b. Name of water body into which effluent will be discharged \_\_\_\_\_

13. Is subsurface liquid waste disposal involved?  Yes  No Type \_\_\_\_\_

14. Will surface area of an existing water body increase or decrease by proposal?  Yes  No  
Explain \_\_\_\_\_

15. Is project or any portion of project located in a 100-year flood plain?  Yes  No

16. Will the project generate solid waste:  Yes  No  
 a. If yes, what is the amount per month 1 tons  
 b. If yes, will an existing solid waste facility be used?  Yes  No  
 c. If yes, give name Seneca Land Fill; location Seneca Falls  
 d. Will any wastes **not** go into a sewage disposal system of into a sanitary landfill?  Yes  No  
 e. If yes, explain Recycleable Materials

17. Will the project involve the disposal of solid waste?  Yes  No  
 a. If yes, what is the anticipated rate of disposal? \_\_\_\_\_ tons/month.  
 b. If yes, what is the anticipated site life? \_\_\_\_\_ years.

18. Will project use herbicides or pesticides?  Yes  No **To maintain project fields and landscaping**

19. Will project routinely produce odors (more than one hour per day)?  Yes  No

20. Will project produce operating noise exceeding the local ambient noise levels?  Yes  No

21. Will project result in an increase in energy use?  Yes  No  
 If yes, indicate type(s) Gas & Electric

22. If water supply is from wells, indicate pumping capacity -0- gallons/minute.

23. Total anticipated water usage per day 39,400 gallons/day. 0.1 gal/sf/day

24. Does project involve Local, State or Federal funding?  Yes  No  
 If yes, explain \_\_\_\_\_

25. Approvals Required:

	Type	Submittal Date
City, Town, Village Board <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>Site Plan &amp; Subdivision</u>	<u>Jan. 2013</u>
City, Town, Village Planning Board <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
City, Town Zoning Board <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>Sewer/Water Approvals</u>	<u>March 2013</u>
City, County Health Department <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>Local Engineers</u>	<u>March 2013</u>
Other Local Agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>Traffic Review</u>	<u>March 2013</u>
Other Regional Agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>DEC-SWPPP</u>	
State Agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>ACOE-Wetland Disturbance</u>	<u>March 2013</u>
Federal Agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

**C. Zoning and Planning Information**

1. Does proposed action involve a planning or zoning decision?  Yes  No  
 If Yes, indicate decision required:  
 zoning amendment  zoning variance  special use permit  subdivision  site plan  
 new/revision of master plan  resource management plan  other \_\_\_\_\_
2. What is the zoning classification(s) of the site? Planned Development District PPD
3. What is the maximum potential development of the site if developed as permitted by the present zoning?  
N/A
4. What is the proposed zoning of the site? N/A
5. What is the maximum potential development of the site if developed as permitted by the proposed zoning?  
N/A
6. Is the proposed action consistent with the recommended uses in adopted local use plans?  Yes  No

7. What are the predominant land use(s) and zoning classifications within a 1/4 mile radius of proposed action?  
Industrial
8. Is the proposed action compatible with adjoining/surrounding land uses within a 1/4 mile?  Yes  No
9. If the proposed action is the subdivision of land, how many lots are proposed? N/A
- a. What is the minimum lot size proposed? N/A
10. Will proposed action require any authorization(s) for the formation of sewer or water districts?  Yes  No
11. Will the proposed action create a demand for any community provided services (recreation, education, police, fire protection)?  
 Yes  No
- a. If yes, is existing capacity sufficient to handle projected demand?  Yes  No (**uncertain at this time**)
12. Will the proposed action result in the generation of traffic significantly above present levels?  Yes  No
- a. If yes, is the existing road network adequate to handle the additional traffic?  Yes  No

**D. Informational Details**

Attach any additional information as may be needed to clarify your project. If there are or may be any adverse impacts associated with your proposal, please discuss such impacts and the measures which you propose to mitigate and avoid them.

**E. Verification**

I certify that the information provided above is true to the best of my knowledge.

Applicant/Sponsor Name John F. Caruso, PE, PMP Date 5/21/13

Signature \_\_\_\_\_ Title Senior Vice President

**If the action is in the Coastal Area, and you are a state agency, complete the Coastal Assessment Form before proceeding with this assessment.**

# PART 2 - PROJECT IMPACTS AND THEIR MAGNITUDE

## Responsibility of Lead Agency

### General Information (Read Carefully)

- In completing the form the reviewer should be guided by the question: Have my responses and determinations been **reasonable**? The reviewer is not expected to be an expert environmental analyst.
- Identifying that an impact will be potentially large (column 2) does not mean that it is also necessarily **significant**. Any large impact must be evaluated in PART 3 to determine significance. Identifying an impact in column 2 simply asks that it be looked at further.
- The **Examples** provided are to assist the reviewer by showing types of impacts and wherever possible the threshold of magnitude that would trigger a response in column 2. The examples are generally applicable throughout the State and for most situations. But, for any specific project or site, other examples and/or lower thresholds may be appropriate for a Potential Large Impact response, thus requiring evaluation in Part 3.
- The impacts of each project, on each site, in each locality, will vary. Therefore, the examples are illustrative and have been offered as guidance. They do not constitute an exhaustive list of impacts and thresholds to answer each question.
- The number of examples per question does not indicate the importance of each question.
- In identifying impacts, consider long-term, short-term and cumulative effects.

### Instructions (Read Carefully)

- Answer each of the 20 questions in PART 2. Answer **Yes** if there will be any impact.
- Maybe** answers should be considered as **Yes** answers.
- If answering **Yes** to a question then check the appropriate box (column 1 or 2) to indicate the potential size of the impact. If impact threshold equals or exceeds any example provided, check column 2. If impact will occur but threshold is lower than example, check column 1.
- If reviewer has doubt about size of the impact then consider the impact as potentially large and proceed to PART 3.
- If a potentially large impact checked in column 2 can be mitigated by change(s) in the project to a small to moderate impact, also check the **Yes** box in column 3. A **No** response indicates that such a reduction is not possible. This must be explained in Part 3.

### IMPACT ON LAND

- Will the proposed action result in a physical change to the project site?  
 No     Yes

#### Examples that would apply to column 2

- Any construction on slopes of 15% or greater, (15 foot rise per 100 foot of length), or where the general slopes in the project area exceed 10%.
- Construction on land where the depth to the water table is less than 3 feet.
- Construction of paved parking area for 1,000 or more vehicles.
- Construction on land where bedrock is exposed or generally within 3 feet of existing ground surface.
- Construction that will continue for more than 1 year or involve more than one phase or stage.
- Excavation for mining purposes that would remove more than 1,000 tons of natural material (i.e., rock or soil) per year.
- Construction or expansion of a sanitary landfill.
- Construction in a designated floodway.
- Other impacts: \_\_\_\_\_

- Will there be an effect to any unique or unusual land forms found on the site? (i.e., cliffs, dunes, geological formations, etc.)  
 No     Yes

- Specific land forms: \_\_\_\_\_

1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

Front Slope  
Incorporate  
Natural  
Features

**IMPACT ON WATER**

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change?	
3. Will proposed action affect any water body designated as protected? (Under Articles 15, 24, 25 of the Environmental Conservation Law, ECL)  <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes				
<b>Examples that would apply to column 2</b>				
● Developable area of site contains a protected water body.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
● Dredging more than 100 cubic yards of material from channel of a protected stream.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Extension of utility distribution facilities through a protected water body.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Construction in a designated freshwater or tidal wetland.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Other impacts:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Excavation for mining purposes that would remove more than 1,000 tons of natural material (i.e., rock or soil) per year.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Construction or expansion of a sanitary landfill.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Construction in a designated floodway.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Other impacts: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4. Will proposed action affect any non-protected existing or new body of water?  <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes				
<b>Examples that would apply to column 2</b>				
● A 10% increase or decrease in the surface area of any body of water or more than a 10 acre increase or decrease.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Construction of a body of water that exceeds 10 acres of surface area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Other impacts: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5. Will proposed action affect surface or groundwater quality or quantity?  <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes				
<b>Examples that would apply to column 2</b>				
● Proposed action will require a discharge permit.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Proposed action requires use of a source of water that does not have approval to serve proposed (project) action.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Proposed action requires water supply from wells with greater than 45 gallons per minute pumping capacity.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Construction or operation causing any contamination of a water supply system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Proposed action will adversely affect groundwater.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Liquid effluent will be conveyed off the site to facilities which presently do not exist or have inadequate capacity.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Proposed action would use water in excess of 20,000 gallons per day.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Proposed action will likely cause siltation or other discharge into an existing body of water to the extent that there will be an obvious visual contrast to natural conditions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
● Proposed action require the storage of petroleum or chemical products greater than 1,100 gallons.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Proposed action will allow residential uses in areas without water and/or sewer services.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Proposed action locates commercial and/or industrial uses which may require new or expansion of existing water treatment and/or storage facilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
● Other impacts: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No

*Army Corps  
of Engineers*



**IMPACT ON AGRICULTURAL LAND RESOURCES**

10. Will proposed action affect agricultural land resources?  No  Yes

Examples that would apply to column 2

- The proposed action would sever, cross or limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc.).
- Construction activity would excavate or compact the soil profile of agricultural land.
- The proposed action would irreversibly convert more than 10 acres of agricultural land or, if located in an Agricultural District, more than 2.5 acres of agricultural land.
- The proposed action would disrupt or prevent installation of agricultural land management systems (e.g., subsurface drain lines, outlet ditches, strip cropping); or create a need for such measures (e.g., cause a farm field to drain poorly due to increased runoff).
- Other impacts: \_\_\_\_\_

**IMPACT ON AESTHETIC RESOURCES**

11. Will proposed action affect aesthetic resources?  No  Yes  
(If necessary, use the Visual EAF Addendum in Section 617.20, Appendix B.)

Examples that would apply to column 2

- Proposed land uses, or project components obviously different from or in sharp contrast to current surrounding land use patterns, whether man-made or natural.
- Proposed land uses, or project components visible to users of aesthetic resources which will eliminate or significantly reduce their enjoyment of the aesthetic qualities of that resource.
- Proposed components that will result in the elimination or significant screening of scenic views known to be important to the area.
- Other impacts: \_\_\_\_\_

**IMPACT ON HISTORIC AND ARCHAEOLOGICAL RESOURCES**

12. Will proposed action impact any site or structure of historic, prehistoric or paleontological importance?  No  Yes

Examples that would apply to column 2

- Proposed action occurring wholly or partially within or substantially contiguous to any facility or site listed on the State or National Register of historic places.
- Any impact to an archaeological site or fossil bed located within the project site.
- Proposed action will occur in an area designated as sensitive for archaeological sites on the NYS Site Inventory.
- Other impacts: \_\_\_\_\_

**IMPACT ON OPEN SPACE AN RECREATION**

13. Will proposed action affect the quantity or quality or existing or future open spaces or recreational opportunities?  No  Yes

Examples that would apply to column 2

	1 Small to Moderate Impact	2 Potential Large Impact	3 Can Impact Be Mitigated By Project Change?	
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No





**If any action in Part 2 is identified as a Potential Large Impact  
or if you Cannot Determine the Magnitude of Impact, Proceed to Part 3**

**Part 3 - EVALUATION OF THE IMPORTANCE OF IMPACTS**

**Responsibility of Lead Agency**

Part 3 must be prepared if one or more impact(s) is considered to be potentially large, even if the impact(s) may be mitigated.

**Instructions**

Discuss the following for each impact identified in Column 2 of Part 2:

1. Briefly describe the impact.
2. Describe (if applicable) how the impact could be mitigated or reduced to small to moderate impact by project change(s).
3. Based on the information available, decide if it is reasonable to conclude that this impact is important.

To answer the question of importance, consider:

- The probability of the impact occurring.
- The duration of the impact.
- Its irreversibility, including permanently lost resources of value.
- Whether the impact can or will be controlled.
- The regional consequence of the impact.
- Its potential divergence from local needs and goals.
- Whether known objections to the project relate to this impact.

(continue on attachments)

*Trout Streams*

State Environmental Quality Review  
Visual EAF Addendum

This form may be used to provide additional information relating to Question 11 of Part 2 of the Full EAF.

(To be completed by Lead Agency)

Visibility	Distance Between Project and Resource (in Miles)				
	0-1/4	1/4-1/2	1/2-3	3-5	5+
1. Would the project be visible from:					
• A parcel of land which is dedicated to and available to the public for the use, enjoyment and appreciation of natural or man-made scenic qualities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• An overlook or parcel of land dedicated to public observation, enjoyment and appreciation of natural or man-made scenic qualities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• A site or structure listed on the National or State Registers of Historic Places?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• State Parks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The State Forest Preserve?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• National Wildlife Refuges and state game refuges?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• National Natural Landmarks and other outstanding natural features?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• National Park Service lands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Rivers designated as National or State Wild, Scenic or Recreational?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Any transportation corridor of high exposure, such as part of the Interstate System, or Amtrak?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• A governmentally established or designated interstate or inter-county foot trail, or one formally proposed for establishment or designation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• A site, area, lake, reservoir or highway designated as scenic?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• County road?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• State?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Local road?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the visibility of the project seasonal? (i.e., screened by summer foliage, but visible during other seasons)					
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
3. Are any of the resources checked in question 1 used by the public during the time of year during which the project will be visible?					
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					

**DESCRIPTION OF EXISTING VISUAL ENVIRONMENT**

4. From each item checked in question 1, check those which generally describe the surrounding environment.

	Within	
	*1/4 mile	*1 mile
Essentially undeveloped	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forested	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Agricultural	<input type="checkbox"/>	<input type="checkbox"/>
Suburban residential	<input type="checkbox"/>	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	<input type="checkbox"/>
Commercial	<input type="checkbox"/>	<input type="checkbox"/>
Urban	<input type="checkbox"/>	<input type="checkbox"/>
River, Lake, Pond	<input type="checkbox"/>	<input type="checkbox"/>
Cliffs, Overlooks	<input type="checkbox"/>	<input type="checkbox"/>
Designated Open Space	<input type="checkbox"/>	<input type="checkbox"/>
Flat	<input type="checkbox"/>	<input type="checkbox"/>
Hilly	<input type="checkbox"/>	<input type="checkbox"/>
Mountainous	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

NOTE: add attachments as needed

5. Are there visually similar projects within:

- \*1/2 mile  Yes  No
- \*1 miles  Yes  No
- \*2 miles  Yes  No
- \*3 miles  Yes  No

\*Distances from project site are provided for assistance. Substitute other distances as appropriate.

**EXPOSURE**

6. The annual number of viewers likely to observe the proposed project is Equivalent to Road Traffic Study

NOTE: When user data is unavailable or unknown, use best estimate.

**CONTEXT**

7. The situation or activity in which the viewers are engaged while viewing the proposed action is

Activity	FREQUENCY			
	Daily	Weekly	Weekends	Seasonally
Travel to and from work	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Involved in recreational activities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Routine travel by residents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
At a residence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
At worksite	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other <u>bike &amp; walkers</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# **Pinnacle Athletic Campus Engineering Report**

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## **APPENDIX 2: AERIAL PHOTOGRAPH**



Stormwater Pollution  
Prevention Plan  
**Pinnacle Athletic  
Campus**

Drawn By:  
K. Waeider

Date:  
February 2013

**PA** **PASSERO ASSOCIATES**  
engineering architecture

224 West Main Street, Suite 100  
Rochester, NY 14614

Client:  
Pinnacle Athletic Campus  
85 High Tech Drive  
Rush, NY 14543  
P.N.: 20121584.0003

Aerial Photo

Scale:  
Not to Scale

Sheet No:  
Appendix 2

# **Pinnacle Athletic Campus Engineering Report**

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## **APPENDIX 3: WASTEWATER FLOW RATES**

Table 3. Expected Hydraulic Loading Rates (cont'd)

Type of Facility	Flow Rate Per Person (gal./day)	Flow Rate Per Unit (gal./day)
Office Buildings	15	
Per Employee		0.1
Per Square Foot		750
Dentist--per chair/day		
Parks (per picnicker)	5	
Restroom only	10	
Showers and Restroom		
Schools (per student)	75	
Boarding	10	
Day	5	
Cafeteria - Add	5	
Showers - Add		
Service Stations		400'
Per toilet (not including car wash)		
Shopping Centers (per sq. ft. - food extra)		0.1
per employee	15	
per toilet		400
Swimming Pools (per swimmer)	10	
Sports Stadium	5	
Theatre		3
Drive-in (per space)		3
Movie (per seat)	20	
Dinner Theatre, Individual (per seat)	10	
with hotel		

TREATMENT CONSIDERATIONS

Detailed data regarding the character and quantity of the wastewater flow is necessary to facilitate the effective design of wastewater treatment and disposal systems.

Many commercial/institutional facilities generate wastewater similar in character to residential wastes. For other facilities consideration of the waste-generating sources will allow an estimate of the character of the wastewater. This will also serve to indicate the presence of any problem constituents in the wastewater such as high grease levels from restaurants and lint fibers from laundromats.

# **Pinnacle Athletic Campus Engineering Report**

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## **APPENDIX 4: HYDRANT FLOW DATA**

### Modified Flow Data

**Town** Victor  
**Location** Phillips Rd  
**Date** 5/9/2013  
**Conducted By** EH

**Flow Nozzle** 2.5  
**Flow Hydrant** #949  
**Static** 93  
**Pitot** 40  
**Style** A

**Residual Hydrant** #948  
**Static** 93  
**Residual** 53

**Corrected**  
**Static** 93  
**Residual** 53

### Calculations

**Q Observed** 1067  
**Q @ 20 psi** 1477

### System Status

**Zone** 790W  
**Hydraulic Grade** 770'  
**Ele. @ Flow Hyd** 555'  
**Main Size** 8"

### EASE NOTE THE FOLLOWING INFORMATION

The pressure and flow data provided herein represents the calculated values for this location in the distribution system based on typical low operating conditions. These values can vary depending on demands, operational parameters, system configurations, subsequent modifications and other related criteria. Please contact Ed Heindl at 585-442-4001 ext 411 with any questions or concerns.

# **Pinnacle Athletic Campus Engineering Report**

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## **APPENDIX 5: LIGHTING CATALOG CUT**

Submitted by Southern Lighting Source



Job Name:

Catalog Number:

EPAS-0-D3-A-41-B-1-B-BLCK

Type:

**GHLED**

Notes:

TRTY12-15155

Lighting Solutions

## Evolve™ LED Post Top

Avery StreetDreams™ (EPAS)



Lighting Solutions



Job Name:

Catalog Number:

EPAS-0-D3-A-41-B-1-B-BLCK

Type:

GHLED

Notes

TRTY12-15155

## Product Features

The new Evolve™ LED Avery StreetDreams™ Post Top offers energy efficiency and quality of light in a classic, traditional style. The advanced LED optical system provides improved horizontal and vertical uniformity, reduced glare and improved lighting control. GE's unique optical ring technology effectively aims the light where you need it, while eliminating the unsightly shadow circles commonly seen under other LED post top fixtures.

The Avery post top can yield up to a 60-percent reduction in system energy compared with standard HID systems, depending on applications. This reliable system operates well in cold temperatures and offers more than 11 years of service life to reduce maintenance frequency and expense, based on a 50,000 hour life and 12 hours of operation per day. Containing no mercury or lead, this environmentally responsible product is RoHS compliant.

### Applications

- Roadway, site, area, and general lighting utilizing advanced LED optical system providing high uniformity, excellent vertical illuminance, reduced offsite visibility, and reduced on-site glare.

### Mounting

- Die-cast aluminum housing.
- Classic nostalgic design incorporates the heat sink directly into the unit ensuring maximum heat transfer and long LED life.
- Additional features include both Scroll and Medalion crown & ribs.
- Meets 2G vibration standards per ANSI C136.32-2001. For 3G rating contact factory.

### LED & Optical System

- Structured LED array for optimized roadway/walkway photometric and distribution.
- Evolve light engine consisting of nested concentric directional reflectors designed to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 65 CRI at 4100K typical.
- LM-79 tests and reports are performed in accordance with IESNA standards.

### System Performance

- System rating is 50,000 hours at L85. Contact factory for L rating (Lumen Depreciation) beyond 50,000 hours.

### Rating

- UL/cUL listed, suitable for wet locations.
- IP 65 rated optical enclosure per ANSI C136.25-2009.
- Temperature rated at -40° to 50°C.
- RoHS compliant, contains no lead or mercury.

### Mounting

- Post top mounting 3-inch (76mm) OD held in place with six square head set screws.

### Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: Black & Dark Bronze.
- RAL & custom colors available.

### Electrical

- 120-277 volt and 347-480 volt available.
- System power factor is >90% and THD <20%.
- Class "A" sound rating.
- Integral surge protection non-dimming:
  - For 120-277VAC per IEEE/ANSI C62.41.-1991, 4kV/2kA Location Category B2 (120 Events)
  - For 347-480VAC per IEEE/ANSI C62.41.-1991, 6kV/3kA Location Category B3 (120 Events)
- Integral surge protection GE dimming:
  - For 120-480VAC per IEEE/ANSI C62.41.2-2002, 6kV/3kA Location Category B (120 Events)
- Optional high capability surge protection per IEEE/ANSI C62.41.2-2002.
  - Rating 1 - 10kV/5kA Location Category (120 events)
  - Rating 2 - 6kV/3kA Location Category C-Low (5000 events)
- EMI: Title 47 CFR Part 15 Class A

### Warranty

- 5-year limited system warranty standard.



Job Name:

Catalog Number:  
EPAS-0-D3-A-41-B-1-B-BLCK

Type:  
**GHLED**

Notes:

TRTY12-15155

## Ordering Number Logic

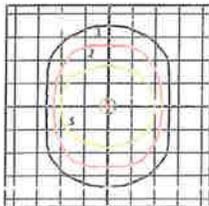
EPAS - 41



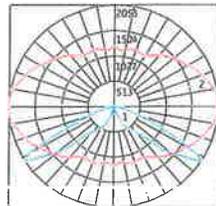
DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION
<b>Example:</b> G = 347" H H = 347 - 480 L = 120" 2 = 208" 3 = 240" 4 = 277" 5 = 480" D = 347" *Specify single voltage only if fuse option is selected	A = Clear Acrylic w/Colony Top B = Clear Acrylic w/Scroll Top, Medallion C&R C = Clear Acrylic w/Scroll Top, Scroll C&R D = Clear Acrylic w/Scroll Top, Medallion C&R E = Clear Acrylic w/Scroll Top, Scroll C&R F = Clear Acrylic w/Scroll Top, Scroll C&R *Contact factory for lead time	1 = PE Rec. 2 = PE Rec. 4 = PE Rec. with Shorting Cap 5 = PE Rec. with Control PE control not available for 347-480V Must be a discrete voltage *Contact factory for lead time	A = Silhouette B = Fleur-De-Lis C = Filagree D = Blossom E = Spike G = Oak H = Steeple J = Gothic K = No Final *Contact factory for lead time	BLCK = Dark Bronze DKBZ = Dark Bronze FGRN = Forest Green WWHI = Special Contact factory for other colors	D = Dimmable (0-10 Volt Input) F = Fusing T = Extra Surge Protection WHT = Special Options *Contact factory for availability

OPTICAL CODE	TYPE	FINIAL WIDTH (INCH)	THROAT HEIGHT (INCH)	POLE SPECIFIC (INCH)	POLE SYSTEM (INCH)				
B5	Symmetric	4630	86	94	5:1	N/A	2	1	454608
D5	Symmetric	2380	49	55	5:1	N/A	2	1	454610
B3	Asymmetric	4630	86	94	5:1	N/A	2	1	454609
D3	Asymmetric Wide	2380	49	55	5:1	2	2	2	454611

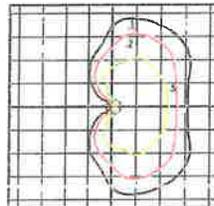
## Photometrics



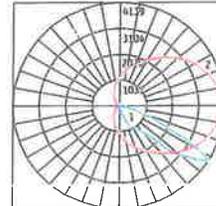
Grid Distance in Units of Mounting Height at 15' Initial Footcandle Values at Grade



Polar Trace Vertical and Horizontal Plane through Horizontal Angle of Maximum Candlepower

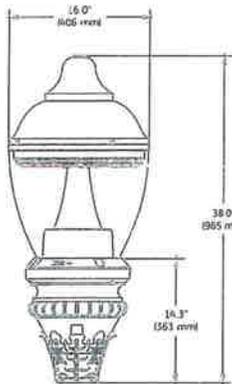


Grid Distance in Units of Mounting Height at 16' Initial Footcandle Values at Grade

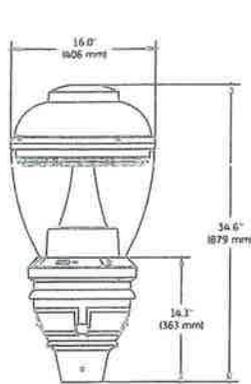


Polar Trace Vertical and Horizontal Plane through Horizontal Angle of Maximum Candlepower

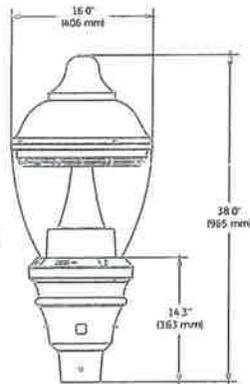
## Product Dimensions



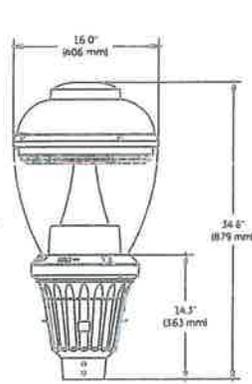
POD A WITH COLONY TOP



POD B WITH SCROLL TOP



POD C WITH COLONY TOP



POD D WITH SCROLL TOP

Submitted by Southern Lighting Source

Job Name:

Catalog Number:  
EPAS-0-D3-A-41-B-1-B-BLCK

Type:

**GHLED**



Notes:

TRTY12-15165

## Fixture Styles

### Pods



POD A



POD B



POD C



POD D

### Top



COLONY TOP



SCROLL TOP

## Optional Accessories

### Crowns & Ribs



SCROLL CROWN & RIBS



MEDALLION CROWN & RIBS

### Finials



FNLBL-ACN  
ACORN



FNLBL-BLS  
BLOSSOM



FNLBL-FOL  
FLEUR-DE-LIS



FNLBL-FIL  
FILAGREE



FNLBL-SIL  
SILHOUETTE



FNLBL-SPK  
SPIKE



FNLBL-OAK  
OAK



FNLBL-STD  
STEEPLE



FNLBL-GTH  
GOTHIC

### DATA

- Approximate Net Weight: 43 lbs (20 kgs)
- Suggested Mounting Height: 8-16 ft max (2.5-5 m)
- Effective Projected Area (EPA): 1.4 sq ft max (0.13 sq m)



GE Lighting Solutions • 1-888-MY-GE-LED • [www.gelightingsolutions.com](http://www.gelightingsolutions.com)

GE Lighting Solutions, LLC is a subsidiary of the General Electric Company. Evolve and the GE brand and logo are trademarks of the General Electric Company.  
© 2011 GE Lighting Solutions, LLC. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.

Submitted by Southern Lighting Source

Job Name:

Catalog Number:

3/FL/DCB/12-91

Type:

**GHLED**



Notes

TPTY12-15155



**HI-LITE MFG.  
CO., INC.**

13450 Monte Vista Avenue  
Chino, California 91710  
Telephone: (909) 465-1999  
Toll Free: (800) 465-0211  
Fax: (909) 465-0907  
www.hillitemfg.com

Job Name:

Type:

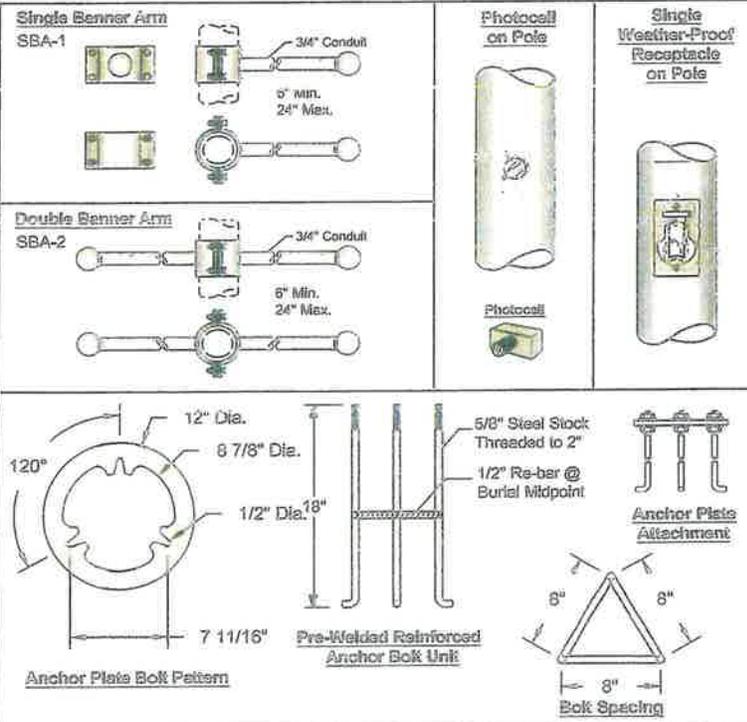
Quantity:

Pole Diameter	Pole Texture	Pole Base	Overall Height (A)	Color	Optional Accessories
3"	SM (Smooth)	DCB-3-9 (Decorative Cast Base Pole)	6'	Standard 91 (Black) 93 (White) 95 (Dk. Grn) 96 (Galv.) BR47 (Rust) BK91, GN26.	PNCL (Photocell)
4"			6'-6"		
	FL (Fluted)		7'	Upgraded Finishes 26, 86, 82, 80, 82, 84, 87, 90, 103, 103, 104, 105, 110, 112, 113, 114, 115, 117, 118, 119, 120, 127, 126, 128, 133, 134, 135, 136, 96, 101, 102, 137, 138, 139, 140.	PGRG (Plug Receptacle)
		7'-6"			
		8'			
		8'-6"			
		9'			
		9'-6"			
		10'			
		10'-6"			
		11'			
		11'-6"			
	12'		For finish specs see pages 344-348.	SBA-1- Specify length	
					DBA-2- Specify length

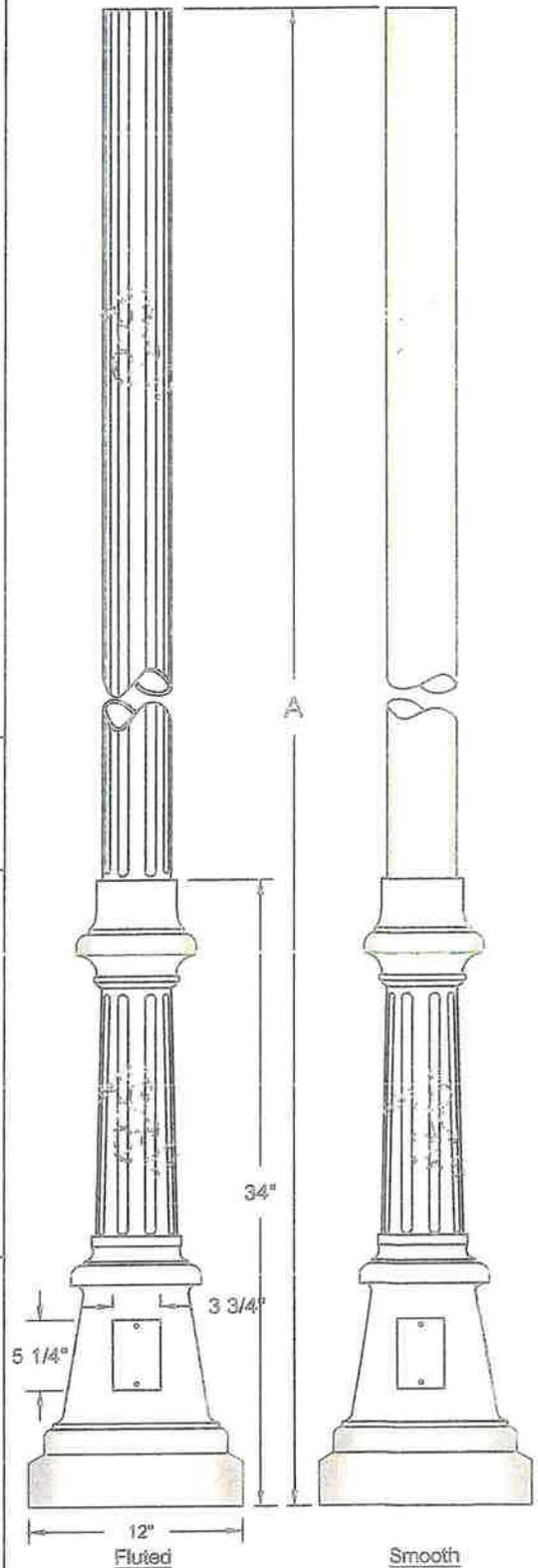
3"	SM	DCB-3-9	6'	91	-
----	----	---------	----	----	---

**ORDER EXAMPLE**

(USE THIS FORMAT TO PLACE ORDER)



**Decorative Cast Base Pole**



Submitted by Southern Lighting Source



Job Name:

Catalog Number:  
EAMM0M4F40A1CBLCK

Notes

Type:

**PGE4**

TRTY12-15155

Lighting Solutions

## Evolve™ LED Area Light

Modular Fixture - Small & Medium (EASM & EAMM)



Lighting Solutions



Job Name:

Catalog Number:  
EAMM0M4F40A1CBLCK

Type:

PGE4

Notes

TRTY12-15155

## Product Features

The next evolution of the GE Evolve™ LED Area Light continues to deliver the same outstanding features associated with the original Evolve product, while now adding greater flexibility and style. The European styling offers a sleek, modern look, and balances the needs for photometric scalability with reliable workhorse performance. The new modular design provides 34 photometric combinations, available in two color temperatures, to meet a wide range of area lighting needs.

GE's exclusive optical ring design produces superior vertical illuminance and efficiently directs the light without wasteful and unwelcomed light spill into neighboring properties. Additionally, reduced energy consumption, combined with a long rated life that virtually eliminates ongoing maintenance expenses, enables the Evolve LED Area Light to provide significant operating cost benefits over the life of each fixture.

## Applications

- Single and double modules for site, area, and general lighting utilizing advanced LED optical system providing high uniformity, excellent vertical light distribution, reduced offsite visibility, reduced on-site glare and effective security light levels.
- Scalable design makes this product ideal for small to medium retailers, commercial to medical properties, strip malls to large malls, and big box retailers.

## Mounting

- Die-cast aluminum housing.
- Slim architectural design incorporates modular heat sink light engine directly into the unit ensuring maximum heat transfer, long LED life and a reduced Effective Projected Area (EPA).
- Meets 2G vibration standards per ANSI C136.32-2001. For 3G rating contact factory.

## Lighting Control Options

- Structured LED arrays for optimized area light photometric distribution.
- Evolve modular light engine consisting of nested concentric directional reflectors designed to optimize application efficiency and minimize glare.
- Utilizes high brightness LEDs, 70 CRI at 4000K and 5700K typical.
- LM-79 tests and reports are performed in accordance with IESNA standards.

## Lighting Performance

- System rating is 50,000 hours at L85. Contact factory for L rating (Lumen Depreciation) beyond 50,000 hours.

## Warranty

- UL/cUL listed, suitable for wet locations.
- IP 65 rated optical enclosure per ANSI C136.25-2009.
- Temperature rated at -40° to 50°C.
- RoHS compliant, contains no lead or mercury.

## Mounting

- 10-inch (254mm) mounting arm for square pole with easy-connect terminal board.
- 10-inch (254mm) mounting arm for round pole with easy-connect terminal board.
- Slipfitter mounting for 2 3/8-inch (60mm) O.D. pipe prewired with 24-inch (610mm) leads.

## Finish

- Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
- Standard colors: Black & Dark Bronze.
- RAL & custom colors available.

## Electrical

- 120-277 volt and 347-480 volt available.
- System power factor is >90% and THD <20%.
- Class "A" sound rating.
- Integral surge protection non-dimming:
  - For 120-277VAC per IEEE/ANSI C62.41.-1991, 4kV/2kA Location Category B2 (120 Events)
  - For 347-480VAC per IEEE/ANSI C62.41.-1991, 6kV/3kA Location Category B3 (120 Events)
- Integral surge protection GE dimming:
  - For 120-480VAC per IEEE/ANSI C62.41.2-2002, 6kV/3kA Location Category B (120 Events)
- Optional high capability surge protection per IEEE/ANSI C62.41.2-2002.
  - Rating 1 - 10kV/5kA Location Category (120 events)
  - Rating 2 - 6kV/3kA Location Category C-Low (5000 events)
- EMI: Title 47 CFR Part 15 Class A
- Photo electric sensors (PE) available for all voltages.

## Warranty

- 5-year limited system warranty standard.

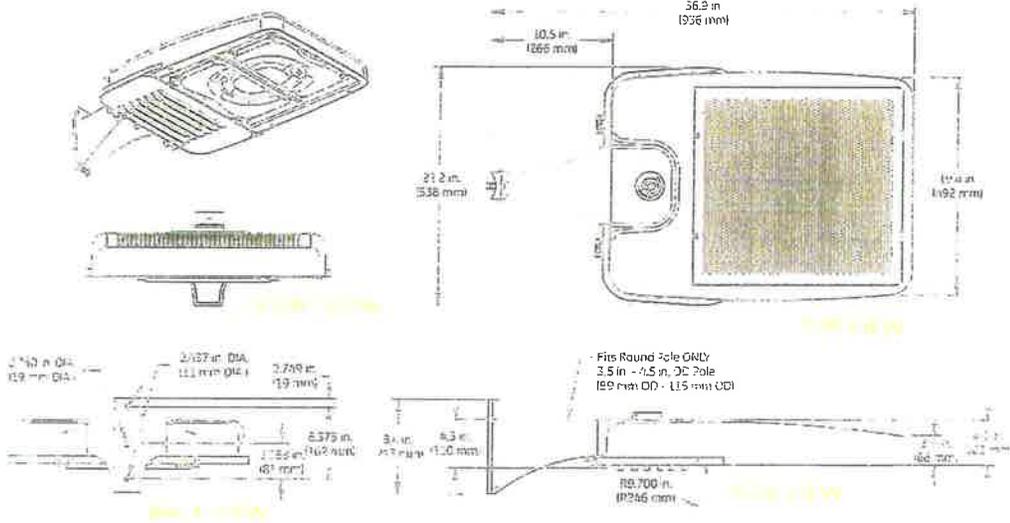




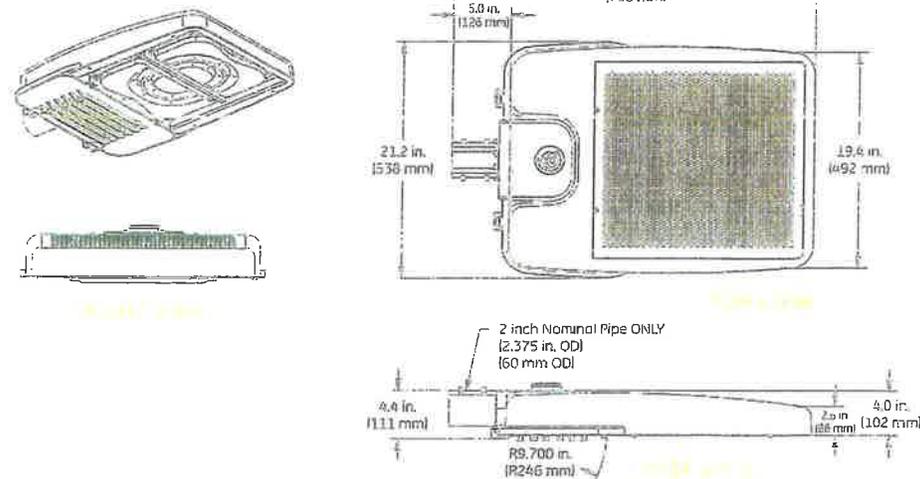
### Product Dimensions

Head with a 10" Mounting Arm (21" Pole)

Head with a 2" Slipfitter (2" Pole)



Head with a 2" Slipfitter (2" Pole)



**DATA**

- Approximate Net Weight: 46-49 lbs (21-22 kgs)
- Effective Projected Area (EPA) with 10" Mounting Arm: 1.35 sq ft max (0.13 sq m)
- Effective Projected Area (EPA) with Slipfitter: 0.86 sq ft max (0.08 sq m)



Job Name:

Notes:

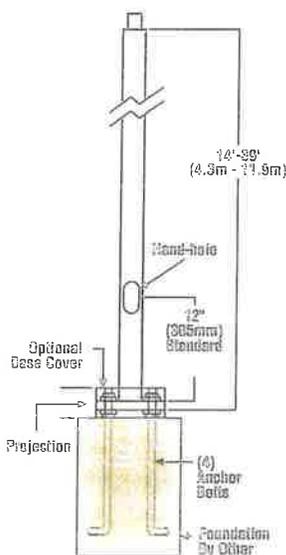
TRTY12-15156

## STEEL SQUARE POLES

### DIMENSIONS

SGN -  
2-3/8" (60mm) O.D. x 4-3/4" (121mm) Tenon

SQB -  
Built-On Mount  
2-Bolt Pattern



SQP -  
Square Pole Top

SFI -  
No Flanging Notes

SF -  
Single Flange  
Pole Preparation

**POLE SHAFT** - Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 50,000 psi. On Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe. Tenon is 4-3/4" in length. Straight poles are 4", 5", and 6" square.

**HAND-HOLE** - Standard hand-hole location is 12" above pole base. Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.

**BASE** - Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi. Two-piece square base cover is optional.

**ANCHOR BOLTS** - Poles are furnished with anchor bolts featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional. Anchor bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 psi.

**GROUND LUG** - Ground lug is standard.

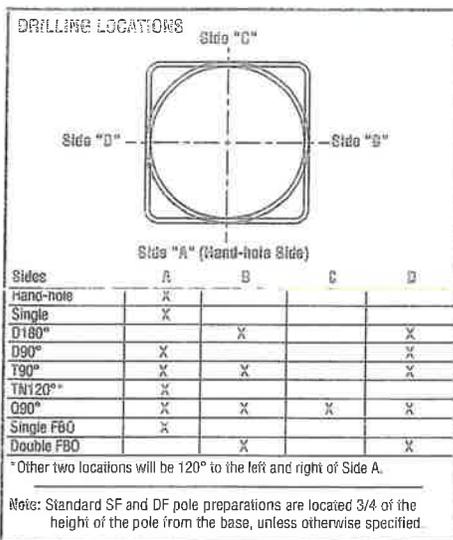
**DUPLX RECEPTACLE** - Weatherproof duplex receptacle is optional.

**GROUND FAULT CIRCUIT INTERRUPTER** - Ground fault circuit interrupter is optional.

**FINISHES** - Each pole is finished with LSI's DuraGrip® baked-on polyester-powder finishing process to give the pole an exceptionally attractive appearance. The process electrostatically applies and thermally fuses a polyester powder to the pole. This unique protection process provides an extremely smooth and uniform finish which withstands extreme weather changes without cracking or peeling. DuraGrip finish features a five-year limited warranty. Standard finish colors available for poles are bronze, black, platinum plus, buff, white, satin verde green, metallic silver, and graphite. Optional DuraGrip® Plus features added protection with a 3.0 to 5.0 mil thickness of polyester-powder finish plus an inner coating. This specially developed inner coating is a thermal plastic hydrocarbon resin applied to the inside of the pole to seal and protect against atmospheric and corrosive matter. DuraGrip Plus finish features a seven-year limited warranty.

### DETERMINING THE LUMINAIRE/POLE COMBINATION FOR YOUR APPLICATION:

- Select luminaire from Luminaire Ordering Information.
- Select bracket configuration.
- Refer to Luminaire EPA Chart to determine EPA value.
- Select Height of pole.
- Select MPH to match the wind speed in the application area. (Windspeed Map located in Appendix)
- Confirm the pole EPA that is equal to or exceeds the luminaire/bracket EPA as was previously determined.



### SNIPPING WEIGHTS - Steel Square Poles

4" (102mm) sq. 11 Ga. is approximately	7.50 lbs./ft.
4" (102mm) sq. 07 Ga. is approximately	10.00 lbs./ft.
5" (127mm) sq. 11 Ga. is approximately	9.00 lbs./ft.
5" (127mm) sq. 07 Ga. is approximately	12.50 lbs./ft.
6" (152mm) sq. 07 Ga. is approximately	15.40 lbs./ft.
Anchor Bolts (3/4" x 30") (18mm x 762mm)	15 lbs. (7kg)/set
Anchor Bolts (1" x 36") (25mm x 914mm)	30 lbs. (14kg)/set

### POLE SELECTION CHART: 4" (102mm), 5" (127mm) and 6" (152mm) steel square poles

Height	EPA <sup>†</sup>				Outside Dimensions	Material	Bolt Circle
	70 MPH	85 MPH	98 MPH	108 MPH			
14' (4.3m)	23.3	16.7	12.2	9.0	4" (102mm)	S11G	B
16' (4.9m)	18.6	13.1	9.3	6.5	4" (102mm)	S11G	B
16' (4.9m)	34.6	25.0	18.5	13.8	5" (127mm)	S11G	C
18' (5.5m)	14.2	6.7	6.5	4.2	4" (102mm)	S11C	B
18' (5.5m)	27.9	19.7	14.1	10.1	5" (127mm)	S11G	C
20' (6.1m)	11.0	7.0	4.2	2.2	4" (102mm)	S11G	B
20' (6.1m)	18.7	12.8	8.8	5.9	4" (102mm)	S07G	B
20' (6.1m)	22.5	15.4	10.5	7.0	5" (127mm)	S11G	C
20' (6.1m)	35.5	25.4	18.4	13.4	5" (127mm)	S07G	D
22' (6.7m)	10.4	6.3	3.4	1.4	4" (102mm)	S11G	B
22' (6.7m)	18.7	12.6	8.4	5.4	4" (102mm)	S07G	B
22' (6.7m)	20.8	13.8	8.9	5.5	5" (127mm)	S11G	C
22' (6.7m)	34.0	23.9	17.0	12.0	5" (127mm)	S07G	D
24' (7.3m)	7.7	4.0	1.5	—	4" (102mm)	S11G	B
24' (7.3m)	15.1	9.7	6.0	3.3	4" (102mm)	S07G	B
24' (7.3m)	16.7	10.5	6.2	3.1	5" (127mm)	S11G	C
24' (7.3m)	28.6	19.6	13.4	8.9	5" (127mm)	S07G	D
24' (7.3m)	46.2	32.6	23.2	16.6	6" (152mm)	S07G	J
26' (7.9m)	5.3	2.1	—	—	4" (102mm)	S11G	B
26' (7.9m)	12.0	7.2	3.9	1.5	4" (102mm)	S07G	B
26' (7.9m)	13.2	7.6	3.8	1.0	5" (127mm)	S11G	C
26' (7.9m)	24.0	15.8	10.3	6.3	5" (127mm)	S07G	D
26' (7.9m)	39.8	27.3	18.9	12.9	6" (152mm)	S07G	J
28' (8.5m)	19.9	12.5	7.5	3.9	5" (127mm)	S07G	D
28' (8.5m)	33.9	22.7	15.1	9.6	6" (152mm)	S07G	J
30' (9.1m)	16.3	9.6	5.0	1.7	5" (127mm)	S07G	D
30' (9.1m)	28.8	18.6	11.6	6.6	6" (152mm)	S07G	J
35' (10.7m)	18.3	10.0	4.3	—	6" (152mm)	S07G	J
39' (11.9m)	11.5	4.3	—	—	6" (152mm)	S07G	J

<sup>†</sup> Refer to EPA information on next page.  
If luminaire weight exceeds 250 lbs. (113.4kg), consult factory.  
For applications in Florida or Canada, consult factory.

04/09/10

© 2010  
LSI INDUSTRIES INC.

Project Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog # \_\_\_\_\_



Submitted by Southern Lighting Source

Job Name:

Catalog Number:  
4SQB3 S11G 25 S BLK/GA/4BC

Type:

**PGE4**



Notes

TRTY12-15155

## STEEL SQUARE POLES

### POLE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **5SQBO S07G 24 D180 PLP SF DGP**

Pole Series	Material	Height <sup>1</sup>	Mounting Configuration	Pole Finish	Options
Square pole for Bolt-on mount 2-Bolt Pattern 5SQBO 6SQBO	S07G - 07 Ga. Steel	14'	D180 - Double D90 - Double DN90 - Double T90 - Triple TN120 - Triple O90 - Quad DN90 - Quad	BRZ - Bronze PLP - Platinum Plus BUF - Buff WHT - White SVG - Satin Verde Green GPT - Graphite MSV - Metallic Silver	SF - Single Flood <sup>3</sup> DF - Double Flood <sup>3</sup> DGP - DuraGrip <sup>®</sup> Plus LAB - Less Anchor Bolts
Square Pole for Pole Top Mount 4SQP 5SQP 6SQP		16' 18' 20' 22'			
Square Pole for Tenon Mount 4SQN 5SQN 6SQN		26' 28' 30' 35' 39'			
Square Pole (No mounting holes No pole top caps) 4SQI 5SQI		PT - Pole Top Mount  N - Tenon Mount (Standard tenon size is 2-3/8" O.D.)  I - For use with Internal Slip-Fitter <sup>2</sup>			
Consult Pole Selection Chart on opposite page					

Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, unless otherwise specified.

**FOOTNOTES:**

- 1- Pole heights will have +/- 1/2" tolerance      2- See Area Lighting Brackets Section      3- See Flood Lighting Brackets Section.

ACCESSORY ORDERING INFORMATION (Accessories are field installed)		
Description	Order Number	Order Number
MHP - Mounting Hole Plugs (3 plugs)		132336
Vibration Damper - 4" Square Pole (bolt-on mount only)	122561CLR	172539
Vibration Damper - 5" Square Pole (bolt-on mount only)	122563CLR	172530
Vibration Damper - 6" Square Pole (bolt-on mount only)	122566CLR	172361
ER2 - Weatherproof Duplex Receptacle	122566CLR	
GFI - Ground Fault Circuit Interrupter	122567CLR	

BOLT CIRCLE		EPA INFORMATION			
4" (102mm) square 10-1/8" (257mm) sq.	5" (127mm) square 10-1/8" (257mm) sq.	5" (127mm) square 10-1/8" (257mm) sq.	6" (152mm) square 12" (305mm) sq.	<p>All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.</p> <p>CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.</p> <p>NOTE: Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.</p>	
					
11" (279mm) Dia. Bolt Circle	11" (279mm) Dia. Bolt Circle	11" (279mm) Dia. Bolt Circle	12" (305mm) Dia. Bolt Circle		
	B	C	D	J	
Bolt Circle	8"-11" (203mm-279mm)	9"-11" (229mm-279mm)	9"-11" (229mm-279mm)	12" (305mm)	
Anchor Bolt Size	3/4" x 30" (19mm x 762mm)	3/4" x 30" (19mm x 762mm)	1" x 36" (25mm x 914mm)	1" x 36" (25mm x 914mm)	
Anchor Bolt Projection	3-1/4" (83mm)	3-1/4" (83mm)	4" (102mm)	4" (102mm)	
Base Plate Opening for Wireway Entry	3-5/8" (92mm)	4-3/4" (121mm)	4-5/8" (117mm)	5-5/8" (143mm)	
Base Plate Dimensions	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 1" thk. (257mm x 25mm)	12" sq. x 1-1/8" thk. (305mm x 29mm)	

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the base plate templates.

11/12/10      Project Name \_\_\_\_\_      Fixture Type \_\_\_\_\_  
 © 2010      Catalog # \_\_\_\_\_  
 LSI INDUSTRIES INC.



# **Pinnacle Athletic Campus Engineering Report**

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## **APPENDIX 6: MEETING MINUTES FROM NYSDEC MEETING**

**MEMORANDUM**

TO: Jack Marren, Town Supervisor  
Kimberly A. Kinsella, Development Coordinator

CC: Mark Domagala, NYS DEC, Engineering Geologist II  
Mark Tayrien, AICP, LaBella Associates, P.C.

FROM: Wes Pettee

DATE: March 22, 2013 **DRAFT – NOT YET DISTRIBUTED**

RE: Pinnacle Athletic Campus, Meeting with NYS DEC

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As requested, LaBella Associates attended the March 18, 2013 meeting with NYS DEC and Passero Associates to discuss the Pinnacle Athletic Campus proposal. The NYS DEC is interested in having the proposed development consider the environmental conditions at the adjoining site that is known as a former landfill.

The following points were presented by NYS DEC:

- There are two stormwater detention ponds located immediately west of the parcel where the previous landfill was located (see attached map). These ponds are on the Pinnacle Athletic Campus parcel where several athletic fields have been depicted on a preliminary development plan. The detention ponds are intended to be long term features that are part of the landfill closure plan, and should remain in place.
- There is a groundwater monitoring program in place that would generally provide data on the composition of leachate associated with groundwater; however, due to the County foreclosing on the property, there is not a responsible property owner to cover the costs for conducting the groundwater monitoring. Groundwater monitoring on and around the former landfill parcel has not occurred since 2010. The applicant could make a FOIL request to the NYS DEC to obtain a copy of previous monitoring results.
- Several groundwater well / monitoring points are located on the project parcel immediately west of the former landfill parcel, which is where the athletic fields are proposed. Groundwater Monitoring Point B8 (see attached map) has been known to accumulate varying levels of landfill gas (methane). NYS DEC noted that although previous concentrations of methane at this well have caused the well cap to come off, venting of the well now allows the methane to be dispersed more safely into the atmosphere.

- The general direction of groundwater flow and gas migration is toward the west / northwest, but testing has not been completed along the landfill's northern property line to determine whether there is groundwater and/or landfill gas migrating toward the north. Although the NYS DEC did not make a formal recommendation to conduct geoprobe sampling along the northern property line of the landfill parcel / southern property line of the project parcel, they did mention that sampling in this area would be prudent. Sampling would indicate whether there is any groundwater / gas migration from the landfill that is traveling northward onto the project parcel.

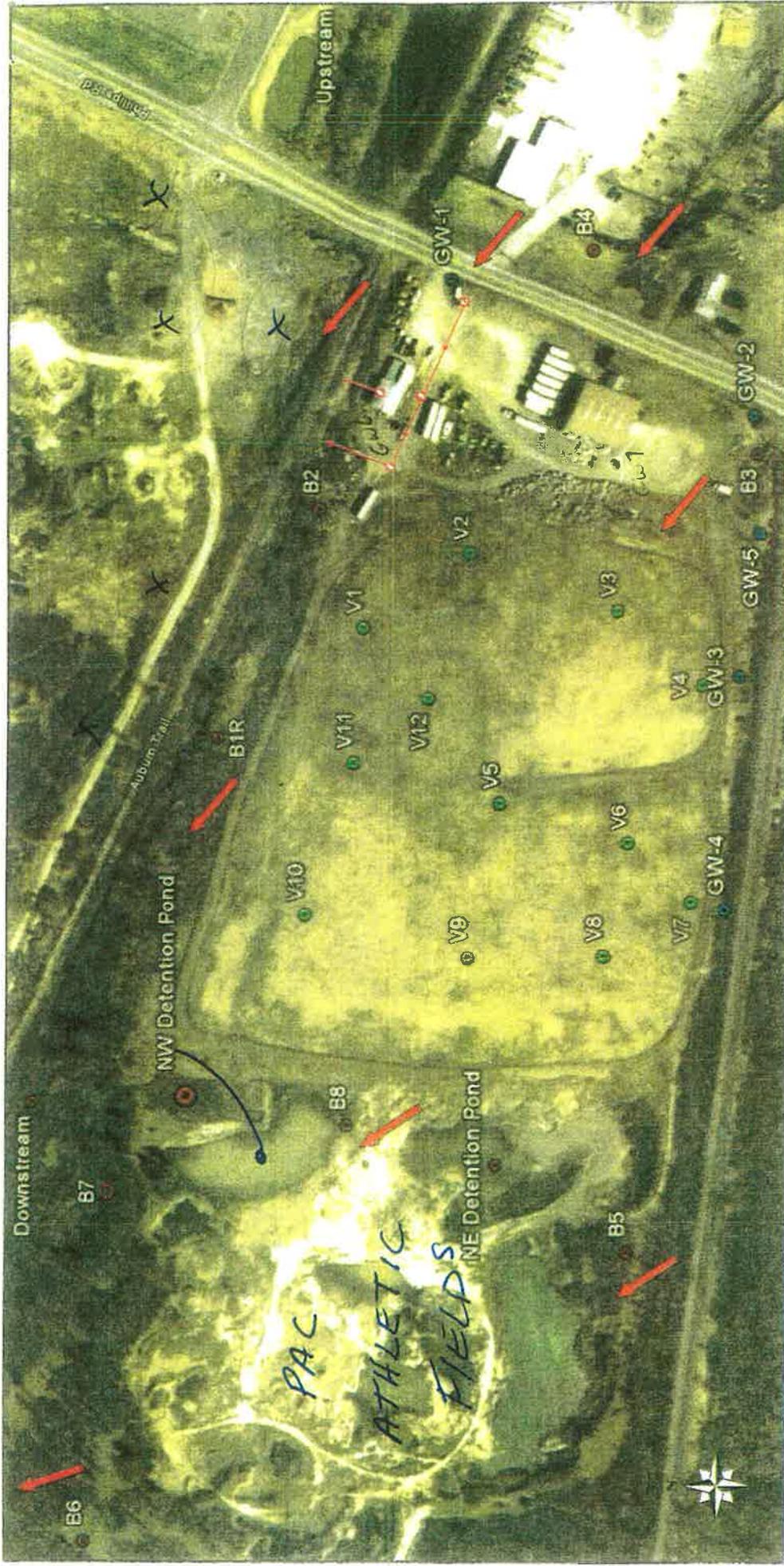
During the course of the meeting, the applicant expressed the following potential courses of action for their project:

- The applicant indicated they would likely shift the athletic fields further west in order to avoid the groundwater well monitoring points. This adjustment to the preliminary development plan would also increase the distance between the proposed playing fields and the existing stormwater detention ponds and landfill site. Although the applicant will be moving the playing fields to the west to avoid the monitoring wells, the applicant should verify that they will be able to avoid monitoring point "B6" on the attached map. This monitoring point is depicted to be the westernmost monitoring point.
- The applicant may pursue expansion of the existing stormwater detention ponds associated with the landfill to accommodate stormwater management needs of proposed athletic fields.
- As was also indicated in the Passero Associates memo dated March 20, 2013, which we received from the Town of Victor, the applicant may propose to "cap" the athletic field area with topsoil in an effort to avoid any human contact with groundwater / leachate. It was noted during the course of the meeting that groundwater depth is approximately 10 to 20 feet.

WAP/wap



X = Future Test Areas



**KEY**

- Gas Well
- Groundwater Well / Monitoring Point
- Landfill Gas Vent

Groundwater Flow

All well monitoring point and landfill gas vent locations are approximate.

Date: November 2006
Scale: None
Drawn by: JER
Map source: Google Earth, Copyright 2006

**Figure 3**

Groundwater Monitoring Well, Gas Well, and  
Landfill Gas Vent Locations

748 Phillips Road  
Fishers, New York 14453

1100 University Ave.  
Rochester, NY 14607  
Tel: (585) 256-8211  
Fax: (585) 256-8244

**MEMORANDUM**

**TO: PAC, LLC**

**FROM: John F. Caruso, PE, PMP Senior Vice President**

**DATE: March 20, 2013**

**RE: PAC PDD – Meeting Summary from PAC & NYSDEC**

---

On March 18, 2013, the Pinnacle Athletic Campus, LLC and its representatives met with NYSDEC officials to discuss the proposed PAC PDD development and the impacts associated with the adjacent landfill closure. We learned a little about the landfills history and heard from DEC representatives who had “hands on” experiences with the closing of the landfill.

Prior to the meeting, a PAC official and representative walked the site to identify “Landfill Closure” related site features. Two ground water monitoring casings and a stormwater management area were observed. PAC stated that it has always been our approach to avoid disturbing or impacting the Natural and Environmentally sensitive areas on the site. Mostly because we have the land to avoid such impacts and cannot afford the permitting delays associated with disturbance.

DEC official pointed out they would like the pond retained. They were unsure if it was really needed in the “interim” or not. Meaning, “was it needed until the landfill was capped to control runoff”? In any event, the stormwater pond has an outlet to the creek. PAC can utilize and expand this pond, utilizing the same outlet and not disturb the stream. Moreover, the pond is correctly located for drainage and is the most likely position for PAC to locate its Stormwater Management areas when it is designed. The result is a small plan revision to move some athletic fields to the west to avoid the pond.

The other site feature was a monitoring well. The DEC has a Well Monitoring program established for the owner of the landfill to follow and annually report. We can avoid the wells with the proposed plan revision.

After we discussed being able to revise the plans to avoid the surface condition we discussed the subsurface conditions. We discussed the ground water and concentration of leachette found in the monitoring wells. Ground water flow is toward the west and underground. The concentration of leachette found in the wells was considered “low” and ground water is 10-20 feet deep. Therefore, as discussed, our proposed use of the area as athletic fields utilizing a topsoil cap would eliminate any human contact with the ground water so long as we did not use ground water to hydrate and maintain the fields. We propose to use public water. Secondly, we discussed concerns on methane gas. Methane gas does exist. Its presence in the monitoring well had consistent extreme variations. Methane can be a concern if one was to place a building there trapping gas.

It is not a hazardous risk in the open air with prevailing westerly winds. DEC official recommended 'geoprobe tests' along the south property line of the project for anyone wishing to construct a building. This is a common practice in most land development projects. If gas is present an active foundation venting system is typically employed as the solution.

In summary, the athletic fields are appropriately positioned in the PAC PDD. The location offers a good reuse of the parcel which does have some limited impact from landfill closure features needed to monitor the landfills environmental performance. Current conflicts with an athletic field located near the landfills pond can be corrected with a plan revision.

The same revision will also correct for surface interference of the B-8 monitoring well. Other health risk concerns from ground water and methane gas were considered low because there would be no physical contact with athletes. Methane gas can be of concern if trapped by a building, however; there are standards building venting methods to correct that situation where needed. Such would be determined from individual site development plans.

December 10, 2012

Mr. Joseph Logan  
Planning Board Chair  
Town of Victor  
85 East Main Street  
Victor, NY 14564

**RE: Pinnacle Athletic Campus  
Town of Victor**

Dear Mr. Logan:

At a previous Planning Board meeting, Mr. Santoro requested we look into the landfill site on the adjacent parcel for its impact on the proposed Pinnacle Athletic Campus P.D.D. Our response is as follows:

1. The landfill area of concern is not on the subject property.
2. Attached is a copy of a letter from NYSDEC dated 12/16/92. The lack of any Hazardous Waste test resulted in this site being "De-listed" from the NYSDEC 'Inactive Hazardous Waste Disposal Site List'.
3. Sites that have past uses as landfills can pose a risk of producing methane gas, however; that landfill is not on the subject parcel. The subject parcel is upwind of the parcel, where prevailing winds (from the west) would not collect gas on this site. Moreover, this type of concern is associated with the construction of a building, which can trap the gas. The solution is a simple foundation ventilation system (similar to a sump pump with 4" drain tile, but an exhaust fan is used instead).



Work on the subject site will generally be surface grading for construction of the new ball fields. Again, this is a very minimal impact and use, as opposed to what is allowed under the current zoning.

I trust this addresses the Board's concern regarding this matter.

Very truly yours,



John F. Caruso, PE, PMP  
Senior Vice President

JFC:paj

cc:

Jim Ludwig, PAC  
Dan Ludwig  
Dan Bree, PAC  
File



New York State Department of Environmental Conservation  
50 Wolf Road, Albany, New York 12233



Thomas C. Jorling  
Commissioner

DEC 16 1992

Mr. William Schaefer  
Genesee Sand & Gravel  
485 Betlor Drive  
Webster, New York 14580

Dear Mr. Schaefer:

Re: DEC Site No.: 835005  
Site Name: Genesee Sand & Gravel  
Site Address: 748 Phillips Road, Victor, NY 14453

As mandated by Section 27-1305 of the Environmental Conservation Law, the New York State Department of Environmental Conservation (NYSDEC) must maintain a registry of all disposal sites suspected or known to contain hazardous wastes. It is this Department's procedure to notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part-owner of the above-referenced site. Based on the information that has been gathered to date, the NYSDEC has not identified any hazardous wastes at this site. Therefore, this letter constitutes notification of deletion of such site from the Registry of Inactive Hazardous Waste Disposal Sites in New York State. This site will not appear in future registries, unless information is brought to our attention which justifies relisting the site.

If you have any further questions, please contact Mr. Robert L. Marino, Chief, Site Control Section, Bureau of Hazardous Site Control at (518) 457-0747.

Sincerely,

*Robert L. Marino*  
Robert L. Marino  
Chief  
Site Control Section  
Bureau of Hazardous Site Control  
Division of Hazardous Waste Remediation

bcc: R. Marino  
R. Dana  
A. Carlson, NYSDOH  
L. Concra  
J. Lacey  
R. Pearman  
J. Eckl  
J. Ryan  
M. Khalil, R/8  
E. Belmore  
W. Demick  
T. Koch

TK/srh

# **Pinnacle Athletic Campus Engineering Report**

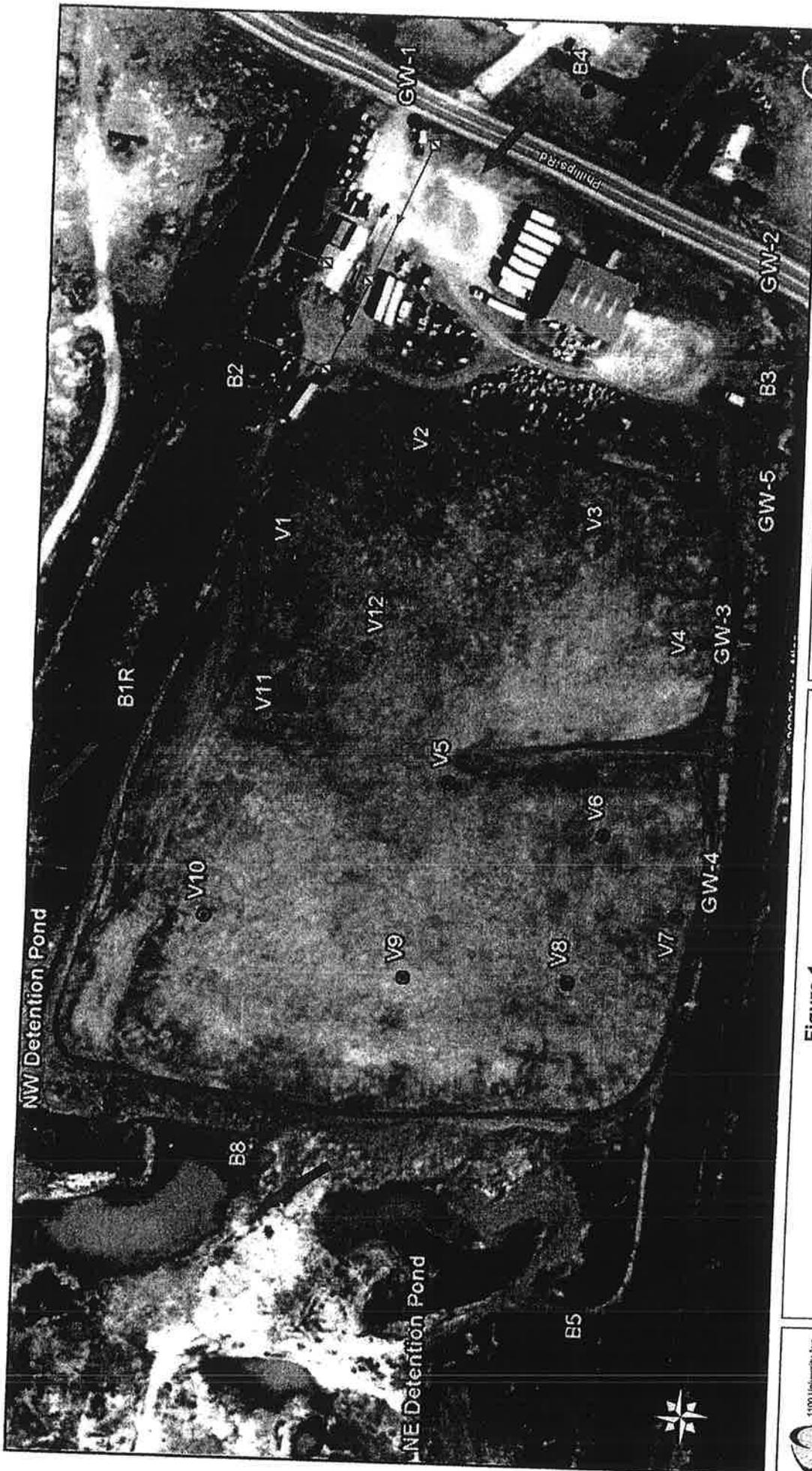
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**RECEIVED**

**JUN 28 2013**

**TOWN OF VICTOR  
PLANNING BOARD**

## **APPENDIX 7: HISTORICAL MONITORING WELL RESULTS**



**KEY**

- Gas Well
- Groundwater Well / Monitoring Point
- ⊙ Landfill Gas Vent
- Groundwater Flow
- ▨ Catch Basin/Drain

*All well, monitoring point, and landfill gas vent locations are approximate*

Date: March 2009  
 Scale: None  
 Drawn by: JEB  
 Map source: Google Earth  
 Copyright: 2008

**Figure 1**  
 Gas Well, Gas Monitoring Point and Landfill Gas Vent Locations  
 748 Phillips Road  
 Fishers, New York 14453



**TriTech**  
 Environmental, Health, and Safety Inc.

1100 Litchfield Ave.  
 Rochester, NY 14617  
 Tel: (585) 258-6211  
 Fax: (585) 258-6244



**TriTech**  
Environmental Health and Safety, Inc.

TriTech Environmental Health & Safety, Inc.  
1100 University Avenue  
Rochester, New York 14607  
Phone: (585) 256-6211  
Fax: (585) 256-6244

**Gas Well and Monitoring Point Explosive Gas Log**

**Project: August 2011 Gas Monitoring**

**Client: Phillips Road Land Co., LLC**

**Date: August 31, 2011**

**Weather conditions: 60° F cloudy**

**Sampled by: Tim Driscoll**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	7:10	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	7:25	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	7:29	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	7:33	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	7:40	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0	N	7:46	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	7:56	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	8:00	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	8:06	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	8:15	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	8:25	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	8:44	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	9:02	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	9:20	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	9:35	No gas odor	N 43° 00.037' W 077° 27.277'



**TriTech**  
Environmental Health and Safety, Inc.

TriTech Environmental Health & Safety, Inc.  
1100 University Avenue  
Rochester, New York 14607  
Phone: (585) 256-6211  
Fax: (585) 256-6244

**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	9:48	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	10:00	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	10:20	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	10:33	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	4	N	10:46	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	10:40	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	11	N	11:00	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0	N	10:50	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	2	N	11:10	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	11:05	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	11:20	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100	N	11:25	Slight gas odor	
New Well / Gold Bldg	0	N	11:39	No gas odor	



**TriTech**

Environmental Health and Safety, Inc.

TriTech Environmental Health & Safety, Inc.  
1100 University Avenue  
Rochester, New York 14607  
Phone: (585) 256-6211  
Fax: (585) 256-6244

**Gas Well and Monitoring Point Explosive Gas Log**

**Project: July 2011 Gas Monitoring**

**Client: Phillips Road Land Co., LLC**

**Date: July 30, 2011**

**Weather conditions: 70° F partly cloudy**

**Sampled by: Tim Driscoll**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	7:30	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	7:42	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	7:46	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	7:50	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	7:55	Not be in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0	N	8:00	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	8:10	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	8:15	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	8:21	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	8:25	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	8:35	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	8:56	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	9:15	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	9:35	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	9:53	No gas odor	N 43° 00.037' W 077° 27.277'



TriTech  
Environmental Health and Safety, Inc.

TriTech Environmental Health & Safety, Inc.  
1100 University Avenue  
Rochester, New York 14607  
Phone: (585) 256-6211  
Fax: (585) 256-6244

**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	10:10	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	10:30	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	10:46	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	11:00	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	4	N	11:12	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	11:05	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	9	N	11:25	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0	N	11:15	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	0	N	11:39	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	11:30	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	11:43	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100	N	11:50	Slight gas odor	
New Well / Gold Bldg	0	N	12:02	No gas odor	



**TriTech**  
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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** June 2011 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** June 30, 2011

Weather conditions: 66 ° F light breeze, partly cloudy

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	8:50	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	9:00	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	9:04	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	9:09	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	9:14	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0	N	9:20	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	9:30	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	9:35	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	9:40	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	9:44	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	9:55	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	10:12	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	10:30	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	10:45	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	11:00	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	11:15	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	11:28	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	11:45	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	11:55	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	3	N	12:00	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	12:10	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	10	N	12:25	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0	N	12:14	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	4	N	12:40	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	12:30	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	12:44	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100	N	12:50	Slight gas odor	
New Well / Gold Bldg	0	N	1:05	No gas odor	



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** May 2011 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** May 30, 2011

Weather conditions: 68 ° F cloudy, calm

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	7:30	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	7:41	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	7:45	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	7:50	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	7:55	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0	N	8:01	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	8:10	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	8:15	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	8:21	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	8:30	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	8:40	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	8:55	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	9:15	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	9:30	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	9:49	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	10:00	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	10:15	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	10:40	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	10:48	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0	N	11:05	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	10:55	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	8	N	11:20	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0	N	11:11	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	4	N	11:32	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	11:24	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	11:40	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100	N	11:45	Slight gas odor	
New Well / Gold Bldg	0	N	11:58	No gas odor	



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** 2011 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** April 30, 2011

Weather conditions: 48° F partly cloudy, light breeze

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	8:05	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	8:15	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	8:18	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	8:21	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	8:25	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0	N	8:30	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	8:40	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	8:45	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	8:48	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	8:51	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	9:00	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	9:20	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	9:40	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	9:56	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	10:10	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	10:21	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	10:33	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	10:50	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	11:00	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0	N	11:09	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	11:05	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	6	N	11:20	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0	N	1:15	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	4	N	11:35	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	11:31	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	11:40	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100	N	11:50	Slight gas odor	
New Well / Gold Bldg	0	N	12:02	No gas odor	



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** 2011 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** March 31, 2011

Weather conditions: 35° F light snow, light breeze

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	8:45	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	8:56	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	9:00	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	9:05	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	9:09	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0	N	9:15	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	9:25	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	9:31	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	9:40	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	9:45	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	9:55	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	11:04	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	11:20	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	11:31	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	11:45	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	12:05	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	12:16	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	12:30	No gas odor	N 43° 00.031' W 077° 27.304'

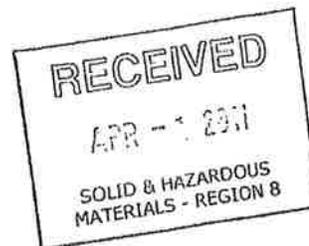
*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	12:45	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0	N	12:55	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	1:04	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	7	N	1:15	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0	N	1:08	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	3	N	1:25	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	1:18	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	1:30	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100	N	1:40	Slight gas odor	
New Well / Gold Bldg	0	N	1:55	No gas odor	



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** 2011 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** February 28, 2011

Weather conditions: 38° F cloudy, light breeze

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	9:30	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	9:40	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	9:43	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	9:47	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	9:49	Not be in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0	N	9:55	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	10:05	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	10:10	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	10:16	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	10:21	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	10:30	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	10:45	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	11:02	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	11:15	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	11:30	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	11:50	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	12:04	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	12:19	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	12:30	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0	N	12:41	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	12:48	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	6	N	12:55	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0	N	1:06	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	2	N	1:15	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	1:25	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	1:30	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100	N	1:37	Slight gas odor	
New Well / Gold Bldg	0	N	1:50	No gas odor	



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** January 2011 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** January 31, 2011

**Weather conditions:** 12 ° F cloudy, light snow

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	8:15	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	8:30	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	8:33	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	8:35	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	8:38	Not be in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0	N	8:45	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	8:55	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	8:58	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	9:03	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	9:06	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	9:15	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	9:29	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	9:45	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	9:58	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	10:13	No gas odor	N 43° 00.037' W 077° 27.277'



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Environmental Health and Safety, Inc.

TriTech Environmental Health & Safety, Inc.  
1100 University Avenue  
Rochester, New York 14607  
Phone: (585) 256-6211  
Fax: (585) 256-6244

**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	10:25	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	10:40	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	10:52	No gas odor	N 43° 00.031' W 077° 27.304'

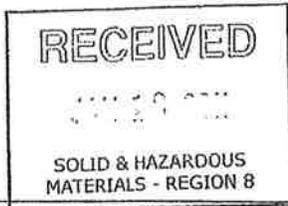
*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	11:10	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0	N	11:15	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	11:23	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	4	N	11:35	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0	N	11:27	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	0	N	11:49	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	11:43	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	11:55	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100	N	12:00	Slight gas odor	
New Well / Gold Bldg	0	N	12:10	No gas odor	



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** December 2010 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** December 31, 2010

Weather conditions: 40° F cloudy, light breeze

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	11:22	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	11:30	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	11:33	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	11:40	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	11:36	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0	N	11:45	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	12:12	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	11:55	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	12:00	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	12:06	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	12:15	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	12:36	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	2:00	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	1:00	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	1:15	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	1:27	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	1:40	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	1:51	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
I hole in Ground by Side Door to Office Building (near pipe)	0	N	2:15	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0	N	2:46	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	2:40	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	7	N	2:58	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0	N	2:51	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	0	N	3:15	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	3:05	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	2:20	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100	N	2:25	Slight gas odor	
New Well / Gold Bldg	0	N	2:35	No gas odor	



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** November 2010 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** November 29, 2010

**Weather Conditions:** 40° F, cloudy, light breeze

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	9:45	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	9:56	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	10:00	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	10:03	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building Pit in Garage	0%	Y	10:06	Not be in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0%	N	10:11	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	10:23	Used for storage; no gas odor	N 43° 00.067' W 077° 27.275'
Recycling Building – Exterior	0%	N	10:28	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	10:33	Building condemned; no gas odor	N 43° 00.064' W 077° 27.269'
Barn North of Recycling Building – Exterior	0%	N	10:37	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0%	N	10:45	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0%	N	11:00	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0%	N	11:13	Slight gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	11:30	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	11:44	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	12:00	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	12:14	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	12:30	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0%	N	12:40	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0%	N	12:51	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0%	N	12:44	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	5%	N	1:05	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0%	N	12:55	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	2%	N	1:15	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0%	N	1:08	Slight gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	1:20	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100%	N	1:24	Slight gas odor	
New Well / Gold Bldg.	0%	N	1:35	No gas odor	



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** October 2010 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** October 30, 2010

**Weather Conditions:** 45° F, overcast, breezy

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	9:00	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	9:10	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	9:14	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	9:18	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	9:21	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0%	N	9:26	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	9:35	Used for storage; no gas odor	N 43° 00.087' W 077° 27.276'
Recycling Building – Exterior	0%	N	9:40	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	9:46	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	9:50	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0%	N	10:00	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0%	N	10:16	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0%	N	11:41	Slight gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	10:30	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	10:42	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	11:00	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	11:15	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	11:29	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0%	N	11:50	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0%	N	11:55	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0%	N	12:03	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	5%	N	12:16	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0%	N	12:10	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	2%	N	12:29	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0%	N	12:21	Slight gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	12:34	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100%	N	12:40	Slight gas odor	
New Well / Gold Bldg.	0%	N	12:53	No gas odor	



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** September 2010 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** September 29, 2010

Weather conditions: 62 ° F cloudy, light breeze

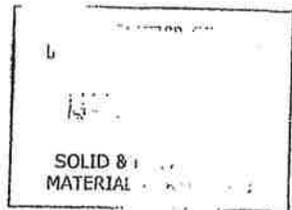
**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	8:15	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	8:20	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	8:24	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	8:28	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	8:31	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0	N	8:36	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	8:47	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	8:55	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	9:00	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	9:04	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	9:15	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	9:34	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	11:00	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	9:50	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	10:04	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** August 2010 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** August 31, 2010

**Weather Conditions:** 79 ° sunny, no breeze

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	9:05	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	9:16	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	9:20	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	9:25	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	9:29	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0	N	9:35	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	11:00	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	11:05	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	11:10	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	11:14	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	11:20	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	11:37	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	1:00	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	11:49	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	12:02	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	12:15	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	12:30	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	12:44	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	9:40	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0	N	9:46	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	9:55	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	6	N	10:09	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0	N	10:00	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	0	N	10:21	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	10:15	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	10:30	No gas odor	N 43° 00.091' W 077° 27.502'
New Well / Shop	100	N	10:40	Slight gas odor	
New Well / Gold Bldg	0	N	10:52	No gas odor	



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**Gas Well and Monitoring Point Explosive Gas Log**

Project: July 2010 Gas Monitoring

Client: Phillips Road Land Co., LLC

Date: July 31, 2010

Weather Conditions: 67 ° partly cloudy, light breeze

Sampled by: Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	8:15	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	8:25	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	8:29	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	8:35	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	8:40	Not be in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0	N	8:45	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	10:03	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	10:08	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	10:13	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	10:18	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	10:25	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	10:40	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	6	N	11:20	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	10:51	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	11:05	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	11:32	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	11:46	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	12:03	No gas odor	N 43° 00.031' W 077° 27.304'
GW-8	100	N	9:44	Slight gas odor	
GW-7	0	N	9:55	No gas odor	

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	8:49	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	8	N	9:00	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	8:53	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	12	N	9:18	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	2	N	9:10	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	4	N	9:30	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	9:23	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	9:40	No gas odor	N 43° 00.091' W 077° 27.502'



TriTech  
Environmental Health and Safety, Inc.

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**Gas Well and Monitoring Point Explosive Gas Log**

Project: June 2010 Gas Monitoring

Client: Phillips Road Land Co., LLC

Date: June 30, 2010

Weather Conditions: 62 ° cloudy, breezy

Sampled by: Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	9:30	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	9:45	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	9:48	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	9:55	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	9:58	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0	N	10:05	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	11:35	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	11:40	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	11:47	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	11:52	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	12:01	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	12:15	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	4	N	1:40	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	1:07	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	1:22	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	12:30	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	12:42	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	12:55	No gas odor	N 43° 00.031' W 077° 27.304'
GW-6	100	N	11:08	Slight gas odor	
GW-7	0	N	11:25	No gas odor	

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	10:10	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	5	N	10:25	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	10:15	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	10	N	10:40	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	3	N	10:31	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	4	N	10:55	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	10:45	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	11:00	No gas odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** May 2010 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** May 31, 2010

**Weather Conditions:** 80 ° Overcast

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	10:30	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0	Y	10:41	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0	Y	10:45	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0	Y	10:50	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0	Y	10:53	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0	N	11:00	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	12:24	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0	N	12:30	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	12:37	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0	N	12:44	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	12:50	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	1:05	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	3	N	2:30	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	2:00	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	2:12	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	1:17	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	1:30	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	1:50	No gas odor	N 43° 00.031' W 077° 27.304'
GW-6 New Well / Shop	100	N	12:02	Slight gas odor	
GW-7 New Well / Gold Bldg	0	N	12:15	No gas odor	

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	11:05	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	6	N	11:18	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	11:11	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	8	N	11:35	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	3	N	11:25	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	3	N	11:49	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	11:40	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	11:55	No gas odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

Project: April 2010 Gas Monitoring

Client: Phillips Road Land Co., LLC

Date: April 30, 2010

Weather Conditions: 68 ° Sunny, Calm

Sampled by: Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100	N	12:15	Good condition	N 43° 00.044' W 077° 27.360'
Office Building - Reception Area	0	Y	1:50	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building - Office	0	Y	1:55	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building - Garage	0	Y	1:59	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building - Pit in Garage	0	Y	2:03	Not be in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building - Exterior	0	N	2:10	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0	N	2:20	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building - Exterior	0	N	2:29	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0	N	2:35	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building - Exterior	0	N	2:41	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0	N	1:40	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0	N	1:22	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0	N	12:26	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0	N	2:50	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0	N	3:10	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0	N	12:51	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0	N	12:35	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0	N	1:10	No gas odor	N 43° 00.031' W 077° 27.304'
GW-6	100	N	12:00	Slight gas odor	Next to Office Building
GW-7	2	N	12:10	No gas odor	Next to Recycling Building

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0	N	11:07	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	10	N	11:11	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0	N	11:20	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	34	N	11:26	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	2	N	11:35	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	3	N	11:40	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0	N	11:49	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0	N	11:53	No gas odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** March 2010 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** ~~March 31, 2009~~

**Weather Conditions:** 50° F, sunny calm

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	2:20	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	10:10	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	10:14	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	10:20	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	10:25	Not be in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0%	N	10:35	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	10:45	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	N	10:52	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	11:00	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	11:06	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0%	N	11:18	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0%	N	11:45	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	80%	N	2:00	Slight gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	11:55	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	12:10	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	12:25	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	12:34	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	12:45	No gas odor	N 43° 00.031' W 077° 27.304'
GW-6 (New)	100%	N	2:41	Slight gas odor	Near Office Building
GW-7 (New)	33%	N	2:30	No gas odor	Near Recycling Building

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0%	N	1:00	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	15%	N	1:05	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0%	N	1:13	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	29%	N	1:18	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	10%	N	1:25	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	16%	N	1:31	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0%	N	1:40	Slight gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	1:45	No gas odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** February 2010 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** February 24, 2010

**Weather Conditions:** 35° F Cloudy no Wind

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	4:45 PM	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	1:20 PM	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	1:23 PM	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	1:30 PM	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	1:27 PM	Not in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0%	N	1:35 PM	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	1:47 PM	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	N	1:55 PM	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	2:05 PM	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	2:10 PM	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0%	N	2:25 PM	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0%	N	3:02 PM	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	62%	N	4:58 PM	Slight gas odor; no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	3:10 PM	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	3:26 PM	No gas odor	N 43° 00.037' W 077° 27.277'



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**February 2010 Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	3:55 PM	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	3:41 PM	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	3:55 PM	No gas odor	N 43° 00.031' W 077° 27.304'
GW-6 (New)	80%	N	4:45 PM	No visible gas fumes, no gas odor	Near Office Building
GW-7 (New)	10%	N	5:00 PM	No visible gas fumes, no gas odor	Near Recycling Building

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (Near Pipe)	0%	N	4:00 PM	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0%	N	4:05 PM	No gas odor; reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (Surface Reading)	0%	N	4:10 PM	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	46%	N	4:21 PM	No gas odor; reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (Surface Reading)	0%	N	4:14 PM	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	0%	N	4:33 PM	No gas odor; reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (Surface Reading)	0%	N	4:25 PM	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	4:40 PM	No gas odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** January 2010 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** December 28, 2010

**Weather Conditions:** 28° F Windy

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	10:45 AM	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	11:00 AM	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	11:02 AM	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	11:05 AM	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	11:09 AM	Not in regular use; no gas odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0%	N	11:15 AM	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	11:30 AM	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	N	11:35 AM	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	11:46 AM	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	11:51 AM	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0%	N	12:25 PM	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0%	N	12:41 PM	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	11%	N	1:00 PM	Slight gas odor; no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	1:14 PM	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	1:38 PM	No gas odor	N 43° 00.037' W 077° 27.277'



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**January 2010 Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	2:00 PM	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	2:21 PM	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	2:45 PM	No gas odor	N 43° 00.031' W 077° 27.304'
GW-6 (New)	0%	N	12:01 PM	No visible gas fumes, no gas odor	Near Office Building
GW-7 (New)	0%	N	12:10 PM	No visible gas fumes, no gas odor	Near Recycling Building

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (Near Pipe)	0%	N	2:55 PM	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	0%	N	3:00 PM	No gas odor; reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (Surface Reading)	0%	N	3:06 PM	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	8%	N	3:10 PM	No gas odor; reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (Surface Reading)	0%	N	3:15 PM	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	0%	N	3:19 PM	No gas odor; reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (Surface Reading)	0%	N	3:25 PM	No gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	3:30 PM	No gas odor	N 43° 00.091' W 077° 27.502'



**TriTech**  
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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** December 2009 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** December 31, 2009

**Weather Conditions:** 34° F Cloudy with Slight Breeze

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	11:10 AM	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	11:50 AM	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	11:52 AM	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	11:55 AM	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	12:01 PM	Not in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0%	N	12:06 PM	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	12:20 PM	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	N	12:25 PM	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	12:24 PM	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	12:34 PM	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0%	N	12:50 PM	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0%	N	1:15 PM	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	80%	N	1:45 PM	Slight gas odor; no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	2:09 PM	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	2:30 PM	No gas odor	N 43° 00.037' W 077° 27.277'



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**December 2009 Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	2:45 PM	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	3:04 PM	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	3:30 PM	No gas odor	N 43° 00.031' W 077° 27.304'
GW-6 (New)	100%	N	11:35 AM	No visible gas fumes, no gas odor	Near Office Building
GW-7 (New)	30%	N	11:22 AM	No visible gas fumes, no gas odor	Near Recycling Building

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0%	N	3:40 PM	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	2%	N	3:49 PM	No gas odor; reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0%	N	3:55 PM	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	54%	N	4:04 PM	No gas odor; reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	14%	N	4:15 PM	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	2%	N	4:21 PM	No gas odor; reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0%	N	4:25 PM	Slight gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	4:30 PM	No gas odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** November 2009 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** November 27, 2009

**Weather Conditions:** 35° F Cloudy and Slight Breeze

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	11:30 AM	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	11:45 AM	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	11:48 AM	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	11:53 AM	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	11:55 AM	Not be in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0%	N	12:01 PM	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	12:12 PM	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	N	12:16 PM	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	12:21 PM	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	12:30 PM	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0%	N	12:43 PM	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0%	N	1:05 PM	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	40%	N	1:30 PM	Slight gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	1:49 PM	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	1:55 PM	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	2:10 PM	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	2:21 PM	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	2:30 PM	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole In Ground by Side Door to Office Building (near pipe)	0%	N	2:38 PM	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	2%	N	2:40 PM	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0%	N	2:47 PM	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	14%	N	2:51 PM	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0%	N	2:55 PM	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	0%	N	3:01 PM	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0%	N	3:05 PM	Slight gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	3:15 PM	No gas odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** October 2009 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** October 30, 2009

**Weather Conditions:** 55° F Cloudy and Windy

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	12:45 PM	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	1:10 PM	Not in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	1:14 PM	Not in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	1:17 PM	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	1:18 PM	Not be in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0%	N	1:20 PM	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	1:40 PM	Used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	N	1:35 PM	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	1:44 PM	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	1:55 PM	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0%	N	2:10 PM	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0%	N	2:35 PM	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	2%	N	3:05 PM	Slight gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	3:31 PM	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	3:45 PM	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	3:50 PM	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	4:00 PM	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	4:05 PM	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0%	N	1:30 PM	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	21%	N	4:15 PM	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	3%	N	4:21 PM	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	24%	N	2:25 PM	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	3%	N	2:31 PM	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	16%	N	2:35 PM	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	3%	N	2:45 PM	Slight gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	4:44 PM	No gas odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** September 2009 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** September 30, 2009

**Weather Conditions:** 55° F Cloudy and Windy

**Sampled by:** Tim Driscoll

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	3:15 PM	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	2:20 PM	Does not appear to be in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	2:24 PM	Does not appear to be in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	2:27 PM	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	2:30 PM	Does not appear to be in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0%	N	3:21 PM	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	3:30 PM	Appears to be used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	N	3:34 PM	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	3:37 PM	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	3:41 PM	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0%	N	3:50 PM	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0%	N	4:12 PM	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	0%	N	4:30 PM	No gas odor, no visible gas fumes	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	2:00 PM	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	4:45 PM	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	5:00 PM	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	5:13 PM	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	5:28 PM	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0%	N	2:34 PM	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	1%	N	2:59 PM	No gas odor, Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0%	N	2:41 PM	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	15%	N	2:44 PM	No gas odor, Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	14%	N	2:48 PM	No gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	0%	N	2:51 PM	No gas odor, Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0%	N	2:55 PM	no gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	3:05 PM	No gas odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** August 2009 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** August 31, 2009

**Weather Conditions:** 67° F, Sunny

**Environmental Project Manager:** Amy Thornton

**Sampled by:** Amy Thornton

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	11:08 AM	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	10:11 AM	Does not appear to be in use; no gas odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	10:13 AM	Does not appear to be in use; no gas odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	10:15 AM	Used for occasional truck maintenance; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	10:20 AM	Does not appear to be in regular use; no gas odor	N 43° 00.117' W 077° 27.268'
Office Building – Exterior	0%	N	12:05 PM	None; no gas odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	12:07 PM	Appears to be used for storage; no gas odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	N	12:13 PM	None; no gas odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	12:14 PM	Building condemned; no gas odor	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	12:14 PM	Building condemned; no gas odor	(Around entire building exterior)
Groundwater Well B2	0%	N	11:05 AM	No gas odor	N 43° 00.131' W 077° 27.304'
Groundwater Well B3	0%	N	11:36 AM	No gas odor	N 43° 00.030' W 077° 27.292'
Groundwater Well B8	100%	N	12:32 PM	Strong gas odor, no visible gas fumes exiting well	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	10:30 AM	No gas odor; water encountered in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	11:55 AM	No gas odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	11:22 AM	No gas odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	11:32 AM	No gas odor; water encountered in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	11:45 AM	No gas odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0%	N	10:01 AM	No gas odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	6%	N	10:07 AM	Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	5%	N	10:05 AM	No gas odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	18%	N	9:48 AM	Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	18%	N	9:45 AM	Slight gas odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	8%	N	9:59 AM	Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	2%	N	9:55 AM	Slight gas odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	12:22 AM	No gas odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** June 2009 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** June 30, 2009

**Weather Conditions:** 65° F, Overcast with some rain

**Environmental Project Manager:** Amy Thornton

**Sampled by:** A. Thornton

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	11:00 AM	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	11:42 AM	Does not appear to be in use; no methane odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	11:45 AM	Does not appear to be in use; no methane odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	11:46 AM	Used for occasional truck maintenance; no methane odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	11:48 AM	Does not appear to be in regular use; no methane odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0%	N	11:55 AM	None; no methane odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	2:00 PM	Appears to be used for storage; no methane odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	N	1:55 PM	None; no methane odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	1:45 PM	Building in poor condition; rafters caving in	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	1:40 PM	None; no methane odor	(Around entire building exterior)
B2	0%	N	1:50 PM	No methane odor	N 43° 00.131' W 077° 27.304'
B3	0%	N	11:55 AM	No methane odor	N 43° 00.030' W 077° 27.292'
B8	70%	N	12:30 PM	Strong methane odor, no visible gas fumes exiting well	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	11:33 AM	No methane odor; water present in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	11:50 AM	No methane odor	N 43° 00.037' W 077° 27.277'



TriTech Environmental Health & Safety, Inc.  
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 Fax: (585) 256-6244

**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	11:30 AM	No methane odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	11:15 AM	No methane odor; water present in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	10:50 AM	No methane odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0%	N	12:12 PM	No methane odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	7%	N	12:08 PM	Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	7%	N	12:07 PM	No methane odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	10%	N	12:00 PM	Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0%	N	12:06 PM	No methane odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	17%	N	12:05 PM	Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	1%	N	12:02 PM	No methane odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	1:30 PM	No methane odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** April 2009 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** April 29, 2009

**Weather Conditions:** 55° F, Sunny

**Environmental Project Manager:** Amy Thornton

**Sampled by:** A. Thornton & J. Boscia

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	100%	N	1:46 PM	Good condition	N 43° 00.044' W 077° 27.360'
Office Building – Reception Area	0%	Y	2:30 PM	Does not appear to be in use; no methane odor	N 43° 00.112' W 077° 27.261'
Office Building – Office	0%	Y	2:31 PM	Does not appear to be in use; no methane odor	N 43° 00.115' W 077° 27.271'
Office Building – Garage	0%	Y	2:32 PM	Used for occasional truck maintenance; no methane odor	N 43° 00.117' W 077° 27.268'
Office Building – Pit in Garage	0%	Y	2:33 PM	Does not appear to be in regular use; no methane odor	N 43° 00.117' W 077° 27.288'
Office Building – Exterior	0%	N	2:38 PM	None; no methane odor	(Around entire building exterior)
Recycling Building and Pit	0%	N	1:28 PM	Appears to be used for storage; no methane odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	N	1:20 PM	None; no methane odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	1:40 PM	Building in poor condition; rafters caving in	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	N	1:30 PM	None; no methane odor	(Around entire building exterior)
B2	0%	N	2:40 PM	No methane odor	N 43° 00.131' W 077° 27.304'
B3	0%	N	1:35 PM	No methane odor	N 43° 00.030' W 077° 27.292'
B8	100%	N	2:00 PM	Strong methane odor, no visible gas fumes exiting well	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	2:17 PM	No methane odor; water present in well	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	1:32 PM	No methane odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (Cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	2:07 PM	No methane odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	2:10 PM	No methane odor; water present in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	1:44 PM	No methane odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0%	N	2:36 PM	No methane odor	N 43° 00.114' W 077° 27.272'
Parking Area Catch Basin (Eastern)	6%	N	2:21 PM	Reading at depth of 5.08'	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0%	N	2:18 PM	No methane odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	48%	N	2:23 PM	Reading at depth of 5.5'	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	16%	N	2:22 PM	No methane odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	67%	N	2:27 PM	Reading at depth of 8'	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	3%	N	2:26 PM	No methane odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	1:52 PM	No methane odor	N 43° 00.091' W 077° 27.502'



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**Gas Well and Monitoring Point Explosive Gas Log**

**Project:** March 2009 Gas Monitoring

**Client:** Phillips Road Land Co., LLC

**Date:** 3/27/2009

**Weather Conditions:** 55° F, Sunny and clear, calm

**Environmental Project Manager:** Amy Thornton

**Sampled by:** A. Thornton & J. Boscia

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
V4	92%	N	2:33 PM	Good condition	N 43° 00.044' W 077° 27.360'
Office Building -- Reception Area	0%	Y	1:27 PM	Does not appear to be in use; no methane odor	N 43° 00.112' W 077° 27.261'
Office Building -- Office	0%	Y	1:29 PM	Does not appear to be in use; no methane odor	N 43° 00.115' W 077° 27.271'
Office Building -- Garage	0%	Y	1:33 PM	Does not appear to be in regular use; no methane odor	N 43° 00.117' W 077° 27.268'
Office Building -- Pit In Garage	0%	Y	1:34 PM	Does not appear to be in regular use; no methane odor	N 43° 00.117' W 077° 27.268'
Office Building -- Exterior	0%	N	2:01 PM	None; no methane odor	(Around entire building exterior)
Recycling Building	0%	N	3:27 PM	Appears to be used for storage; no methane odor	N 43° 00.067' W 077° 27.278'
Recycling Building -- Exterior	0%	N	3:25 PM	None; no methane odor	(Around entire building exterior)
Barn North of Recycling Building	0%	N	3:28 PM	Building in poor condition; rafters caving in	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building -- Exterior	0%	N	3:31 PM	None; no methane odor	(Around entire building exterior)
B2	0%	N	3:18 PM	No methane odor	N 43° 00.131' W 077° 27.304'
B3	0%	N	3:22 PM	No methane odor	N 43° 00.030' W 077° 27.292'
B8	100%	N	3:02 PM	Strong methane odor, no visible gas fumes exiting well	N 43° 00.124' W 077° 27.495'
GW-1	0%	N	1:40 PM	No methane odor	N 43° 00.035' W 077° 27.279'
GW-2	0%	N	1:57 PM	No methane odor	N 43° 00.037' W 077° 27.277'



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**Gas Well and Monitoring Point Explosive Gas Log (cont'd)**

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
GW-3	0%	N	2:34 PM	No methane odor	N 43° 00.041' W 077° 27.356'
GW-4	0%	N	2:39 PM	No methane odor; water present in well	N 43° 00.042' W 077° 27.431'
GW-5	0%	N	2:28 PM	No methane odor	N 43° 00.031' W 077° 27.304'

*Additional Monitoring Areas:*

Monitoring Point / Well ID	Measurement %LEL (Hydrocarbons OR Methane)	Charcoal Probe Tip Used?	Time	Observations	Location
Hole in Ground by Side Door to Office Building (near pipe)	0%	N	1:38 PM	No methane odor	N 43° 00.114' W 077° 27.272'
Drain in Garage Floor in Office Building	0%	N	1:31 PM	No methane odor; some water present in bottom of drain	Center of garage floor
Drain into Ditch North of Office Building (from Garage)	0%	N	1:41 PM	No methane odor	N 43° 00.123' W 077° 27.269'
Along/Within Ditch N. of Office Building	0%	N	1:40 PM	No methane odor	North of Office Building
Parking Area Catch Basin (Eastern)	6%	N	1:47 PM	Depth not measured	N 43° 00.099' W 077° 27.244'
Eastern Storm Drain (surface reading)	0%	N	1:47 PM	No methane odor at surface grate	N 43° 00.099' W 077° 27.244'
Parking Area Catch Basin (Central)	44%	N	1:50 PM	Depth not measured	N 43° 00.108' W 077° 27.268'
Central Storm Drain (surface reading)	0%	N	1:50 PM	No methane odor at surface grate	N 43° 00.108' W 077° 27.268'
Parking Area Catch Basin (Western)	10%	N	1:59 PM	Depth not measured	N 43° 00.112' W 077° 27.296'
Western Storm Drain (surface reading)	0%	N	1:59 PM	No methane odor at surface grate	N 43° 00.112' W 077° 27.296'
NE Detention Pond Basin	0%	N	2:46 PM	No methane odor	N 43° 00.091' W 077° 27.502'
B1R	0%	N	3:14 PM	No methane odor	N 43° 00.148' W 077° 27.355'

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**Gas Well and Monitoring Point Hydrocarbon Gas Log**

**Project:** February 2009 Gas Monitoring

**Client:** Clipper Enterprises

**Date:** 2/20/2009

**Weather Conditions:** 25° F, Windy, Sunny

**Environmental Project Manager:** Amy Thornton

**Sampled By:** Thornton

Monitoring Point / Well ID	Measurement %LEL Hydrocarbons	Time	Observations	Location
V1	100%	10:45 AM	Good condition	N 43° 00.112' W 077° 27.343'
V2	100%	10:50 AM	Good condition	N 43° 00.097' W 077° 27.335'
V3	100%	10:56 AM	Missing bird screen; otherwise good condition	N 43° 00.064' W 077° 27.363'
V4	100%	11:05 AM	Good condition	N 43° 00.044' W 077° 27.360'
V5	100%	11:07 AM	Good condition	N 43° 00.091' W 077° 27.397'
V6	100%	11:11 AM	Missing bird screen; otherwise good condition	N 43° 00.060' W 077° 27.398'
V7	100%	11:15 AM	Good condition	N 43° 00.048' W 077° 27.428'
V8	100%	11:20 AM	Missing bird screen; otherwise good condition	N 43° 00.068' W 077° 27.444'
V9	100%	11:25 AM	Good condition	N 43° 00.098' W 077° 27.445'
V10	100%	11:32 AM	Good condition	N 43° 00.135' W 077° 27.432'
V11	100%	11:39 AM	Heavily damaged bird screen; otherwise in good condition	N 43° 00.132' W 077° 27.381'
V12	100%	11:46 AM	Good condition	N 43° 00.113' W 077° 27.337'
Office Building - Reception Area	0%	11:55 AM	Does not appear to be in use; no methane odor	N 43° 00.112' W 077° 27.261'
Office Building - Office	0%	11:58 AM	Does not appear to be in use; no methane odor	N 43° 00.115' W 077° 27.271'
Office Building - Garage	0%	12:03 PM	Does not appear to be in regular use; no methane odor	N 43° 00.117' W 077° 27.268'



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**Gas Well and Monitoring Point Hydrocarbon Gas Log**

**Project:** February 2009 Gas Monitoring

**Client:** Clipper Enterprises

**Date:** 2/20/2009

**Weather Conditions:** 25° F, Windy, Sunny

**Environmental Project Manager:** Amy Thornton

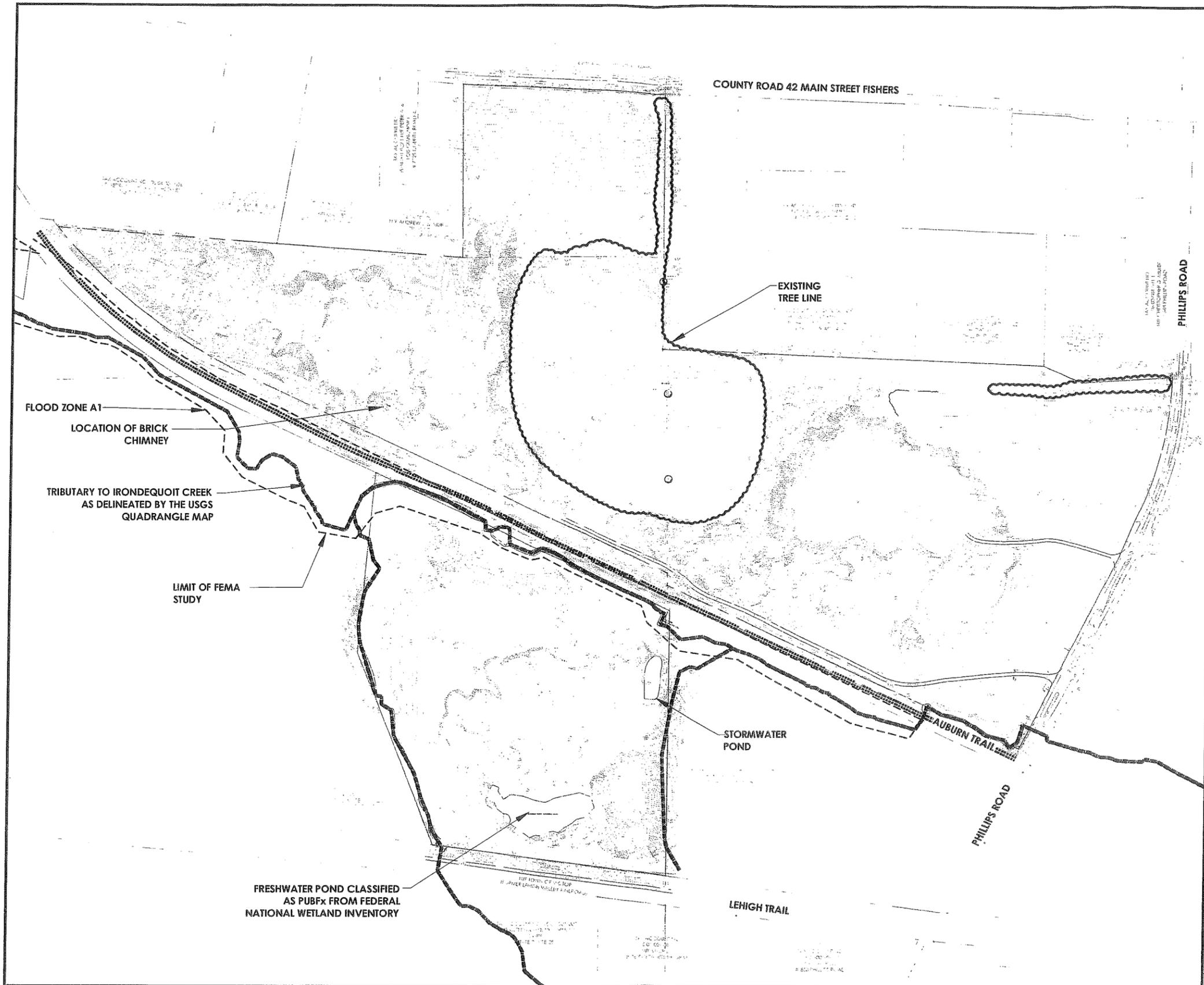
**Sampled By:** Thornton

Monitoring Point / Well ID	Measurement %LEL Hydrocarbons	Time	Observations	Location
Office Building – Pit in Garage	0%	12:05 PM	Does not appear to be in regular use; no methane odor	N 43°00.117' W 077°27.268'
Office Building – Exterior	0%	12:07 PM	None; no methane odor	(Around entire building exterior)
Recycling Building	0%	12:13 PM	Appears to be used for storage; no methane odor	N 43° 00.067' W 077° 27.276'
Recycling Building – Exterior	0%	12:15 PM	None; no methane odor	(Around entire building exterior)
Barn North of Recycling Building	0%	12:18 PM	Building in poor condition; rafters caving in	N 43° 00.064' W 077° 27.262'
Barn North of Recycling Building – Exterior	0%	12:20 PM	None; no methane odor	(Around entire building exterior)
B2	0%	12:30 PM	No methane odor	N 43° 00.132' W 077° 27.304'
B3	0%	12:40 PM	No methane odor	N 43° 00.034' W 077° 27.290'
GW-5	0%	12:55 PM	No methane odor	N 43° 00.033' W 077° 27.314'
GW-2	0%	1:10 PM	No methane odor	N 43° 00.035' W 077° 27.279'
GW-3	0%	1:25 PM	No methane odor	N 43° 00.037' W 077° 27.358'
GW-4	0%	1:40 PM	No methane odor; water present in well	N 43° 00.041' W 077° 27.430'
B8	74%	2:00 PM	Slight methane odor, no visible gas fumes exiting well	N 43° 00.125' W 077° 27.497'
GW-1	0%	2:15 AM	No methane odor	N 43° 00.102' W 077° 27.233'

# **Pinnacle Athletic Campus Engineering Report**

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## **APPENDIX 8: ENVIRONMENTAL RESOURCE MAP**



Client:  
**Pinnacle Athletic Campus**  
 85 High Tech Drive  
 Rush, NY 14543  
 Attn: Jim Ludwig  
 (585) 359-9242

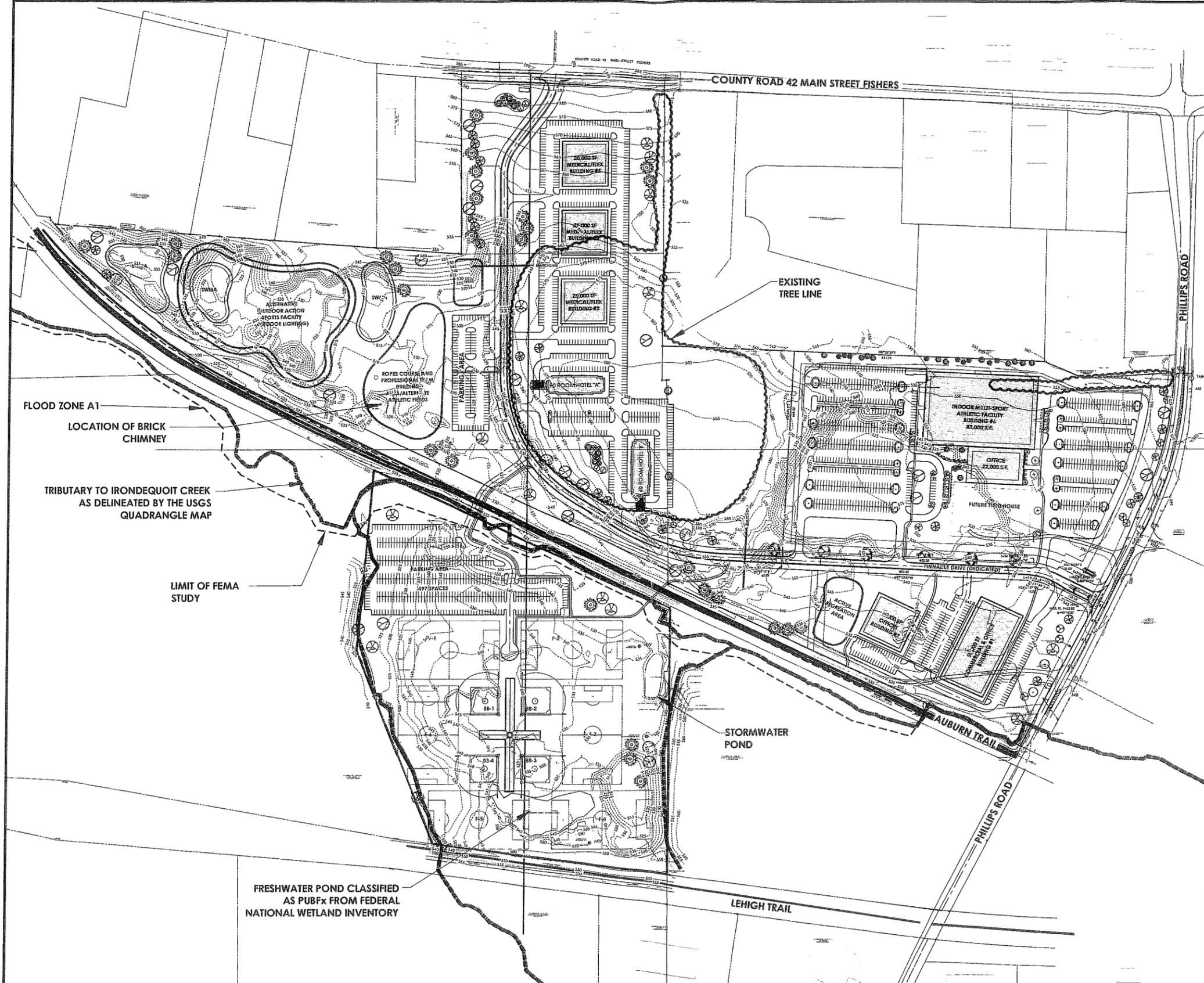
**PASSERO ASSOCIATES**  
 890 Spring Street  
 West Nyack, NY 10994  
 Project Manager: John F. Givens, P.E.  
 Designer: James S. Jacobs, EIT



Revisions	
No.	Description

**ENVIRONMENTAL RESOURCE MAP**  
**PINNACLE ATHLETIC CAMPUS**

Town: Vidor  
 County: Yates  
 Project No.: 20121584.03  
 Drawing No.: ENV-1  
 Sheet No.: 1 of 2  
 Scale: 1" = 150'  
 Date: MAY 2013



FLOOD ZONE A1  
 LOCATION OF BRICK CHIMNEY  
 TRIBUTARY TO IRONDEQUOIT CREEK AS DELINEATED BY THE USGS QUADRANGLE MAP

LIMIT OF FEMA STUDY

FRESHWATER POND CLASSIFIED AS PUBFx FROM FEDERAL NATIONAL WETLAND INVENTORY



**Pinnacle Athletic Campus**  
 85 High Tech Drive  
 Rush, NY 14543  
 Attn: Jim Ludwig  
 (585) 359-9242

**PASSERO ASSOCIATES**  
 27 West Main Street, Suite 100  
 Rush, NY 14543  
 (585) 359-9242  
 Project Manager: John F. Orsini, P.E.  
 Project Engineer: John D. Scully, P.E.  
 Designer: Joseph J. Sabatelli, EIT



Revisions	
No.	Description

**ENVIRONMENTAL RESOURCE MAP**  
 PINNACLE ATHLETIC CAMPUS

Town of Victory  
 County: Ontario State: New York  
 Project No.: 20121584.03  
 Drawing No.: ENV-2 Sheet No.: 2 of 2  
 Scale: 1" = 150'  
 Date: MAY 2013

# **Pinnacle Athletic Campus Engineering Report**

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**APPENDIX 9:  
STORMWATER POLLUTION PREVENTION PLAN  
“SWPPP”  
(SEPARATE COVER)**