



August 8, 2025

Rymak Construction Group LLC
 208 18th St Ste 206
 Rock Island, IL 61201

Attn: Mr. Jeff Hughbanks
 P: (309) 428-9197
 E: jeffhughbanks94@gmail.com

RE: Aquatic Resources Delineation
 Milan Bottoms / Bally West Development
 ± 10 Acres of Land
 Rock Island, Rock Island County, Illinois
 Terracon Project Number: CJ257097

Dear Mr. Hughbanks:

Terracon Consultants, Inc. (Terracon) is pleased to submit this aquatic resources delineation report for the proposed Milan Bottoms / Bally West development. The subject property is ± 10 acres in size and located southwest of the Interstate 280 and State Road 92 intersection in Rock Island, Rock Island County, Illinois. This report has been prepared in accordance with our proposal (Terracon proposal number P07257064, dated April 24, 2025).

The aquatic resources delineation was completed for the study area on May 6, 2025. One wetland complex comprised of forested, scrub-shrub, and open water components (FW-1, SS-1, OW-1) and one ephemeral stream (E-1) were delineated within the study area. Under current guidance, the table below summarizes the delineated features and likely jurisdictional status by USACE.

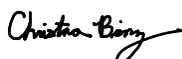
Summary of Delineated Features					
Feature Name	Feature Type	Feature Max OHWM Width (Feet)	Feature Length (Feet)	Feature Area (Acres)	Likely Jurisdictional Status
E-1	Ephemeral Stream	4	26	<0.01	Non Jurisdictional
FW-1	Forested Wetland	-	-	0.05	Jurisdictional
SS-1	Scrub / Shrub Wetland	-	-	0.07	Jurisdictional

Summary of Delineated Features					
Feature Name	Feature Type	Feature Max OHWM Width (Feet)	Feature Length (Feet)	Feature Area (Acres)	Likely Jurisdictional Status
OW-3	Open Water Wetland	-	-	0.02	Jurisdictional

It should be noted that this jurisdictional opinion is not authoritative, and that regulatory definitions and status of WOTUS may change due to litigation or other regulatory mechanisms. Terracon recommends coordinating with the USACE Rock Island District to obtain an Approved Jurisdictional Determination (AJD) to verify Terracon’s findings prior to commencing any work within the study area described herein. Proposed impacts to a jurisdictional waterbody or wetlands may require a Section 404 Permit from the USACE and Section 401 WQC; however, based on Terracon’s review of the client provided development plan, dated April 25, 2025, impacts to delineated aquatic features are not anticipated. A No Permit Required verification may be simultaneously submitted to the USACE with the AJD request.

Terracon appreciates the opportunity to have worked for you on this project. Please feel free to contact Chrissy Bienz at (817) 591-4235 or chrissy.bienz@terracon.com if you have questions or require additional information regarding the content of this report.

Sincerely,
Terracon Consultants, Inc.


 Christina Bienz
 Senior Staff Scientist


 Aric Larson
 Senior Scientist

Enclosure:
 Delineation Report and attachments

Aquatic Resources Delineation

Proposed Milan Bottoms / Bally West Development

Southwest of Interstate 280 and State Road 92

Rock Island, Rock Island County, Illinois

August 8, 2025

Terracon Project No. CJ257097



Prepared for:

Rymak Construction Group LLC
Rock Island, Illinois

Prepared by:

Terracon Consultants, Inc.
Carmel, Indiana

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**Aquatic Resources Delineation
Proposed Milan Bottoms / Bally West Development
Southwest of Interstate 280 and State Road 92
Rock Island, Rock Island County, Illinois
Terracon Project No. CJ257097
August 8, 2025**

1.0 INTRODUCTION

Terracon Consultants, Inc., (Terracon) was retained by Rymak Construction Group LLC (Client) to perform an aquatic resources delineation for ± 10 acres of land southwest of the Interstate 280 and State Road 92 intersection in Rock Island, Rock Island County, Illinois (study area), as depicted on *Exhibit 1.0* in *Appendix A*.

The delineation was generally performed in accordance with the 1987 United States Army Corps of Engineers (USACE) Manual and 2010 Midwest Regional Supplement 2.0. The United States Supreme Court issued its decision in *Sackett v. Environmental Protection Agency (EPA)* on May 25, 2023 and a publication of the Final Rule - Amendments to the Revised Definition of Waters of the United States, effective on September 8, 2023. Based on the ruling, WOTUS are limited to streams, rivers, lakes, oceans, relatively permanent water bodies that are connected to navigable waters that are navigable in fact, and wetlands that have a continuous surface connection with navigable waters. The delineation was also generally performed in accordance with Illinois Department of Natural Resources (IDNR) state law (17 Ill. Admin. Code 3704).

Consistent with these guidance documents, Terracon traversed the study area, and documented changes in vegetation, soil, and hydrologic conditions utilizing USACE approved data forms for the Midwest Region. In some instances, where these characteristics remained consistent with adjacent detailed data point locations, reference photo points were utilized to document reoccurrence. Data was collected in the field utilizing a Bad Elf Flex Global Positioning System (GPS) unit, capable of approximately one meter accuracy. GPS data was differentially corrected in real-time using Satellite Based Augmentation System (SBAS) utilizing the regional reference system and exported to an ArcGIS geodatabase for analysis. Data point coordinates are reported in latitude and longitude, Global Coordinate System (GCS), North American Datum (NAD), 1983.

The purpose of performing the delineation was to characterize the existing site conditions and document the presence of aquatic features with the potential to be regulated as WOTUS by USACE under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act and by IDEM under Section 401 Water Quality Certification (WQC) or the Indiana State Regulated Wetlands Law.

2.0 SCOPE OF SERVICES

Terracon performed the following scope of work:

- Reviewed United States Geologic Survey (USGS) 7.5-minute topographic maps, United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) data, USGS National Hydrography Dataset (NHD), United States Department of Agriculture (USDA) soil survey data, Federal Emergency Management Agency (FEMA) floodplain maps, aerial photographs, and local climatic data to assist in identifying potential WOTUS and wetland areas at the study area.
- Mobilized to the site to conduct the site visit and aquatic resources delineation.
- Prepared a map showing approximate locations of potential WOTUS, including wetland areas observed and delineated during the site visit, if identified.
- Prepared an aquatic resources delineation report that included site characterization information and a discussion of applicable data.

3.0 PRELIMINARY DATA GATHERING AND ANALYSIS

Prior to performing the delineation, several sources of mapping and other relevant background data were reviewed to assist with identifying potential aquatic features within the study area. Each source of data is described in detail below.

3.1 Topographic Maps

The USGS 7.5-Minute Series topographic maps for the Milan, Illinois quadrangle (1953 and 2025) were evaluated to preliminarily identify drainages, creeks, ponds, wetlands, and other aquatic features, as well as characterize historic and recent land use within the study area. The USGS quadrangle maps depict the elevation in the study area is between 570 and 560 feet above mean sea level (amsl). The gradient of the study area generally slopes towards the north, south, and west to the depicted abutting pond and wetlands. The Kickapoo Slough is depicted to the south and west of the site. The southwestern portion and western adjoining properties are depicted as having wooded canopy cover (green shading).

The surrounding properties are largely undeveloped and depicted as wetlands or open water with the exception of the Interstate 280 cloverleaf interchange to the north-northeast and State Road 92, followed by Bally West Casino to the east. *Exhibits 2.0 and 2.1 (Appendix A)* depict the USGS topographic maps in the vicinity of the study area.

3.2 Digital Elevation / LiDAR Map

The digital elevation map (DEM) information obtained from Esri's Living Atlas indicates that the site is generally flat across the study area. The site slopes moderately steep to very steep along the study area boundaries. The DEM slope map has been included as Exhibit 3.0 in Appendix A.

3.3 National Wetlands Inventory and National Hydrology Dataset Map

NWI and NHD data was reviewed to identify potential aquatic features within the study area. The data was published by the USFWS and depicts potential wetland areas and other waterbodies based on stereoscopic analysis of high-altitude aerial photographs. It is

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Terracon’s understanding that the published data is not regularly updated and has not been validated in the field. Presence of mapped NWI features is not always indicative of the presence of jurisdictional waterbodies or wetlands.

One temporarily flooded, broad-leaved deciduous forested, seasonally flooded wetland (PFO1C) is depicted along the southern and western portions of the study area, consistent with the location of the wetlands depicted on the topographic map. One excavated, lacustrine deepwater lake with an unconsolidated bottom that is permanently flooded (L1UBHx) is depicted less than 50 feet north of the study area. The NHD data did not depict wetlands, ponds, or linear aquatic features within the study area or abutting the study area. NWI features are depicted atop recent aerial imagery in *Exhibit 4.0 of Appendix A*.

3.4 Soil Survey

Data from the USDA Natural Resource Conservation Service Web Soil Survey and the State Soil Data Access Hydric Soils List were reviewed to characterize soils within the study area and vicinity, accessed March 2025. Six soil units are located within the study area of which three have the major soil unit component listed as hydric. A soil survey map is included as *Exhibit 5.0 in Appendix A*. *Table 1* contains a summary of the mapped soil unit within the study area and relevant physical characteristics.

Table 1 Study Area Mapped Soil Types

Map Unit Symbol	Map Unit Name	Landform	Natural Drainage Class	Frequency of Ponding	Frequency of Flooding	Depth to Water Table	Hydric Soil Rating
87A	Dickinson sandy loam, 0 to 2 percent slopes	Stream terraces	Well drained	None	None	More than 80 inches	Non hydric
88A	Sparta loamy sand, Illinois till plain, 0 to 2 percent slopes	Outwash terraces	Excessively drained	None	Frequent	More than 80 inches	Non hydric
727A	Waukee loam, 0 to 2 percent slopes	Outwash plains	Well drained	None	None	More than 80 inches	Non hydric

Table 1 Study Area Mapped Soil Types							
Map Unit Symbol	Map Unit Name	Landform	Natural Drainage Class	Frequency of Ponding	Frequency of Flooding	Depth to Water Table	Hydric Soil Rating
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded	Flood plains	Poorly drained	Frequent	Frequent	About 0 to 12 inches	Hydric
3082A	Millington silt loam, 0 to 2 percent slopes, frequently flooded	Flood plains	Poorly drained	Frequent	Frequent	About 0 to 12 inches	Hydric
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	Flood plains	Poorly drained	Frequent	Frequent	About 0 to 12 inches	Hydric

3.5 Federal Emergency Management Agency National Flood Hazard Layer Map and Indiana Department of Natural Resources Division of Water Floodplain Map

Terracon downloaded and reviewed FEMA National Flood Hazard Layer (NFHL) panel 17161C0305F, effective April 5, 2010. According to the NFHL, the majority of the study area is depicted within Zone X (unshaded): area of minimal flood hazard. The sections of the study area along the southern boundary lie within the 500-year floodplain, Zone X (shaded): 0.2% annual chance flood hazard, and the 100-year floodplain, Zone AE: 1% annual chance flood hazard. Additionally, the northern study area boundary lies within the 100-year flood plain, Zone AE. A map depicting the digital NFHL and IDNR data is included as *Exhibit 6.0* in *Appendix A*.

3.6 Aerial Photographs

Aerial imagery of the study area was evaluated to preliminarily identify drainages, creeks, ponds, wetlands, and other aquatic features, as well as characterize historic and recent land use within the vicinity. Terracon evaluated imagery from 2020 and 2023. The following

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provides a general description of the information depicted on the aerial imagery maps. Exhibits 7.0 - 7.1 (Appendix A) depict aerial imagery in the vicinity of the study area.

Aerial Imagery (2020)

The majority of the study area consists of undeveloped land. The central portion consists of herbaceous vegetation cover. Prior ground disturbance is visible in the central portion, and a gravel drive is visible north of the disturbance. Deciduous wooded canopy cover is visible along the perimeter of the study area with denser cover located in the southwestern portion.

The surrounding properties are consistent with depictions on the topographic map. Open water and apparent wetlands are visible to the north, south, and west of the study area. Roadways have been constructed to the north-northeast and east, and the Bally West casino is located to the east.

Aerial Imagery (2023)

The study area appears largely unchanged since 2020.

3.7 Wetland Hydrologic Index

Terracon reviewed local climate data to identify current site hydrologic conditions. Data from the NRCS Agriculture Applied Climate Information System (AgACIS) was downloaded and reviewed using the Direct Antecedent Rainfall Evaluation Method (DAREM), accessed August 5, 2025. The DAREM provides an index of climatic conditions, as they pertain to wetland hydrology, for the time period in which field data was collected. Average rainfall data was obtained from the Moline Quad City, Illinois International Airport weather station, the nearest station to the study area with the range of historic data available necessary to calculate the DAREM.

Tables 2 and 3 summarize the DAREM index data for the study area at the time of the field investigation on May 6, 2025. According to the DAREM, the study area was experiencing normal hydrologic conditions. Additionally, daily rainfall accumulation from the closest weather station to the site, indicated that the study area received 0.83 inches of rainfall six days (May 1, 2025) prior to fieldwork.

Table 2: Study Area Wetland Hydrologic Condition for May 2025

Prior Month	Month	WETS Percentile (in) Natural Drainage Class		Measured Rainfall ¹	Condition ²	Weight ³	Score
		30 th	70 th				
1st	May	2.98	5.35	5.58	3	3	9
2nd	April	2.60	4.43	2.74	2	2	4

Table 2: Study Area Wetland Hydrologic Condition for May 2025							
Prior Month	Month	WETS Percentile (in) Natural Drainage Class		Measured Rainfall ¹	Condition ²	Weight ³	Score
		30 th	70 th				
3rd	March	1.83	3.41	2.08	2	1	2
Total:							14

¹Measured rainfall recorded by the Moline Quad City International Airport weather station.

²Condition: 1 = monthly rainfall totals less than the 30-year Extreme Rainfall Distribution 30th percentile, 2 = monthly rainfall totals between the 30th and 70th percentile for the 30-year Extreme Rainfall Distribution, 3 = monthly rainfall totals greater than the 70th percentile for the 30-year Extreme Rainfall Distribution.

³Monthly weights equal 3 for the prior month, 2 for the second prior month, and 1 for the third prior month.

Table 3: DAREM Score Summary for May 2025													
DAREM Score (Observed Score)	6	7	8	9	10	11	12	13	<u>14</u>	15	16	17	18
DAREM Wetland Hydrologic Condition	Drier than normal				Normal					Wetter than normal			

4.0 FIELD TECHNIQUES

Terracon personnel conducted the delineation on May 6, 2025, to characterize the existing site conditions and identify/delineate the presence of aquatic features with the potential to be regulated. Based on the size of the study area, and generally consistent with the regulatory guidance outlined in Section 1.0, Terracon collected data points documenting vegetation, soil, and hydrologic characteristics. Where these characteristics remained consistent between homogenous vegetation communities, reference photo points (referencing the detailed data point documenting the community) were utilized to document the reoccurrence. This methodology is consistent with general USACE guidance to expedite field data collection and reduce unnecessary redundancy and paperwork.

Eight data points and three representative photo points were collected during the field investigation. Data was collected in the field utilizing a Bad Elf GPS unit, capable of approximately one meter accuracy. GPS data was differentially corrected in real-time using SBAS utilizing the regional reference system and exported to an ArcGIS geodatabase for analysis. Data point coordinates are reported in latitude and longitude, WGS 1984.

Aquatic features were identified based on the presence of an ordinary high-water mark (OHWM) and bed/bank features, or the presence of wetland indicators where applicable. For portions of the surface tributary system (i.e., streams and impoundments of streams, and

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certain types of manmade canals), the OHWM is the limit of USACE jurisdiction under Section 404. The OHWM can generally be defined as the line on the shore established by the fluctuation of the surface water, and is indicated by the following characteristics:

- clear line impressed on the bank,
- shelving,
- changes in soil character,
- destruction of terrestrial vegetation,
- the presence of litter and debris, or
- other features influenced by the surrounding area.

The USACE and EPA define wetlands as “those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstance do support, a prevalence of vegetation typically adapted for life in saturated soil condition. Wetlands generally include swamps, marshes, bogs, and similar areas” (33 CFR 328.3b). In order to make a positive wetland determination, indicators of hydrophytic vegetation, hydric soil, and wetland hydrology must be observed and recorded. In order to provide data with which to evaluate hydrophytic vegetation, the USACE publishes wetland indicator statuses for many plant species in the National Wetlands Plant List (NWPL). If a species is not listed on the NWPL, it is assumed to be an upland species. Generally, hydrophytic vegetation is indicated if there is a dominance or prevalence of FAC, FACW, or OBL vegetation¹. Table 4 defines the NWPL indicator categories.

Table 4: Wetland Plant Indicator Status Descriptions

Indicator Status (Abbreviation)	Occurrence in Wetlands (%)
Obligate (OBL). Occur almost always under natural conditions in wetlands.	99%
Facultative Wetland (FACW). Usually occur in wetlands, but occasionally found in non-wetlands.	67%-99%
Facultative (FAC). Equally likely to occur in wetlands and non-wetlands.	34%-66%
Facultative Upland (FACU). Usually occur in non-wetlands but occasionally found in wetlands.	1%-33%

¹ If a community is dominated by FAC vegetation, hydric soil and wetland hydrology must be present for the community to be considered hydrophytic.

Table 4: Wetland Plant Indicator Status Descriptions

Indicator Status (Abbreviation)	Occurrence in Wetlands (%)
Upland (UPL) occur in wetlands in another region but occur almost always in non-wetland under natural conditions in the region specified.	1% or less

To evaluate hydric soil, profiles (between 4 and 20 inches) were excavated and characterized utilizing Munsell Soil Color Charts (Munsell, 2009) to record soil color. Visual and tactile observations related to composition, texture, and disturbance were also recorded. This information was compared to criteria in the *Field Indicators of Hydric Soils in the United States* manual (USDA, NRCS, 2017) to make a positive or negative determination of hydric soil. Generally, hydric soils exhibit physical characteristics (aroma, composition, color, texture) indicative of biogeochemical processes associated with anoxic conditions; including the presence of decaying organic material, hydrogen sulfide odor, and redoximorphic characteristics (i.e., iron or manganese depletions and/or concentrations).

Wetland hydrology is generally indicated by visual observations of saturated or inundated conditions. For the Midwest Region, the USACE approved data form includes 19 primary indicators of wetland hydrology, and eight secondary indicators of wetland hydrology. To make a positive determination of wetland hydrology, one primary or two secondary indicators must be present. In the absence of these indicators, a positive wetland hydrology determination can be made if hydric soil and hydrophytic vegetation are present, and morphological adaptations associated with prolonged inundation (e.g. adventitious roots, aerenchyma tissue, etc.) are present on dominant vegetation species. Additionally, stream gauge data, aerial photos, and previous wetland delineation data can all be utilized in the absence of visual indicators in certain circumstances.

5.0 SUMMARY OF FIELD OBSERVATIONS AND RESULTS

On May 6, 2025, Terracon completed the delineation of the study area. Currently, the site largely consists of vacant grassland with a wooded perimeter. Remnants of building foundations, a gravel access drive, and utility connections were observed during the survey. The on-site wooded habitat consisted of a mixed-age deciduous forest. Dominate tree species include silver maple (*Acer saccharinum*), eastern cottonwood (*Populus deltoides*), hackberry (*Celtis occidentalis*), tree of heaven (*Ailanthus altissima*), black walnut (*Juglans nigra*), red mulberry (*Morus rubra*), black cherry (*Prunus serotina*), shumard oak (*Quercus shumardii*), black oak (*Quercus velutina*), and northern red oak (*Quercus rubra*). Dominate herbaceous vegetation included eastern woodland sedge (*Carex blanda*), white snakeroot (*Ageratina altissima*), smooth meadow grass (*Poa pratensis*), catchweed bedstraw (*Galium aparine*), poison ivy (*Toxicodendron radicans*), and reed canary grass (*Phalaris arundinacea*).

Terracon delineated a wetland complex comprised of forested, scrub / shrub, and open water / slough components within the study area. The complex is not interconnected within the limits of the study area; however, observations from the boundaries indicated that the wetlands extended from the study area limits and abutted offsite. During the delineation, Terracon collected data for vegetation, soils, and hydrology at eight data points and three reference photo points. Data point, reference photo point locations, and aquatic features are illustrated on *Exhibit 8.0* in *Appendix A*; and wetland determination data forms and study area photographs are provided in *Appendix B*. Descriptions of the aquatic features identified within the study area are provided in the following sections.

5.1 Linear Features

The following linear aquatic feature was identified within the study area:

- **E-1:** Terracon identified one ephemeral stream (E-1) along the western boundary which originated on-site and continued offsite through a culvert which discharged to the abutting forested wetland. The OHWM of E-1 was four feet. Vegetation was largely absent from the streambed; however, leaf litter was observed within the OHWM. E-1 is not considered a navigable water or water with a relatively permanent flow regime. Therefore, E-1 is likely to be considered non-jurisdictional by the USACE.

5.2 Open Water and Wetland Features

One wetland complex was identified within and abutting the study area. The complex was comprise of the following wetland types:

- **FW-1:** A forested wetland (FW-1) was delineated along the western boundary of the study area. FW-1 originated at the woodland toeslope and continued west abutting the open water wetland of Kickapoo Slough (OW-1). ± 0.05 acres of the larger forested wetland extended onto the study area. DP-2 documents the wetland characteristics of FW-1. FW-1 abuts Kickapoo Slough, a relatively permanent water, which discharges to the Mississippi River and would likely be considered jurisdictional by USACE.
- **SS-1:** A ± 0.07-acre scrub / shrub wetland (SS-1) was delineated along the southern boundary. Similar to FW-1, SS-1 originated at the toeslope and continued south until abutting Kickapoo Slough. SS-1 is documented by DP-6. Due to abutting Kickapoo Slough, a relatively permanent water directly connected to the Mississippi River, SS-1 would likely be considered jurisdictional by USACE.
- **OW-1:** ± 0.02-acres of the Kickapoo Slough (OW-1) was delineated within the study area. OW-1 abutted SS-1 and continued offsite to the south and south-west DP-7 documents the wetland characteristics. OW-1 abuts directly connects to the Mississippi River and would likely be considered jurisdictional by USACE.

6.0 CONCLUSIONS

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 8, 2025 | Terracon Project Number: CJ257097



An aquatic resources delineation was completed for the ± 10-acre study area on May 6, 2025. One wetland complex comprised of forested, scrub-shrub, and open water components (FW-1, SS-1, OW-1) and one ephemeral stream (E-1) were delineated within the study area. Under current guidance, Table 5 summarizes the delineated features and likely jurisdictional status by USACE.

Feature Name	Feature Type	Feature Max OHWM Width (Feet)	Feature Length (Feet)	Feature Area (Acres)	Likely Jurisdictional Status
E-1	Ephemeral Stream	4	26	<0.01	Non Jurisdictional
FW-1	Forested Wetland	-	-	0.05	Jurisdictional
SS-1	Scrub / Shrub Wetland	-	-	0.07	Jurisdictional
OW-3	Open Water Wetland	-	-	0.02	Jurisdictional

It should be noted that this jurisdictional opinion is not authoritative, and that regulatory definitions and status of WOTUS may change due to litigation or other regulatory mechanisms. Terracon recommends coordinating with the USACE Rock Island District to obtain an Approved Jurisdictional Determination (AJD) to verify Terracon’s findings prior to commencing any work within the study area described herein. Proposed impacts to a jurisdictional waterbody or wetlands may require a Section 404 Permit from the USACE and Section 401 WQC; however, based on Terracon’s review of the client provided development plan, dated April 25, 2025, impacts to delineated aquatic features are not anticipated. A No Permit Required verification may be simultaneously submitted to the USACE with the AJD request.

7.0 GENERAL COMMENTS

The aquatic resources delineation was performed in accordance with generally accepted scientific and engineering evaluation practices of this profession undertaken in similar studies at the same time and in the same geographical area. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. No biological assessment can wholly eliminate uncertainty regarding the potential for concerns in connection with a project.

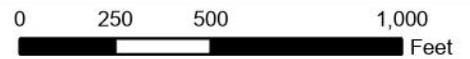
This report has been prepared for the exclusive use and reliance of the Client. Use or reliance by other parties is prohibited without the written authorization of the Client and Terracon. Reliance on the report by the Client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, signed agreement, and report.

APPENDIX A
Exhibits 1.0 - 8.0



Legend

 Study Area



DATA SOURCES:
ESRI WMS - World Aerial Imagery, OpenStreetMap

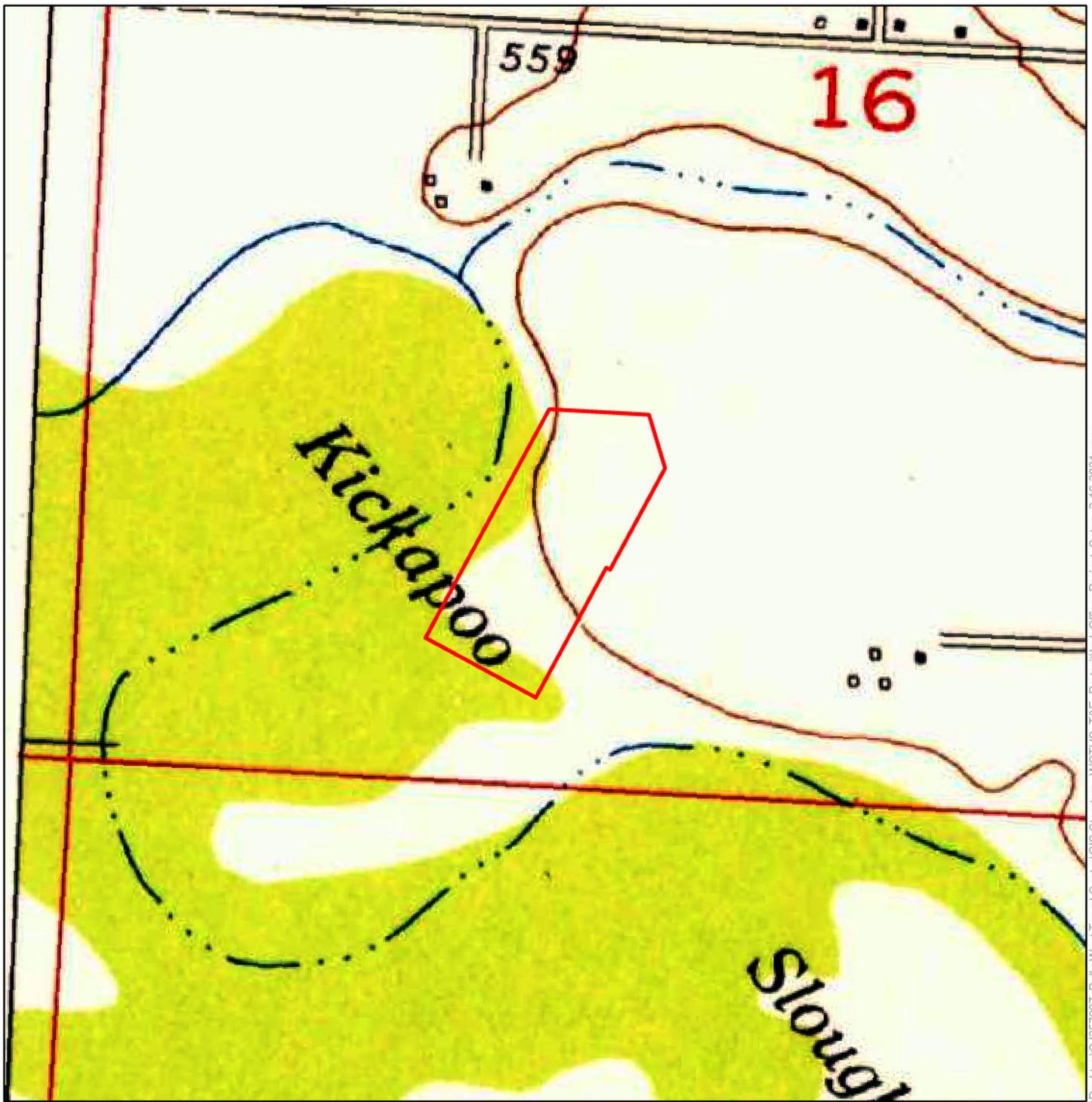
Project No.:	CJ257097
Date:	Jul 2025
Drawn By:	CRB
Reviewed By:	AAL



7770 West New York Street
Indianapolis, Indiana 46214
PH. (317) 273-1690 terracon.com

Vicinity Map
Bally West / Milan Bottoms Development +/- 10 Acres of Land Rock Island, Rock Island County, Illinois

Exhibit
1.0



Legend

 Study Area

0 250 500 1,000
Feet



DATA SOURCES:
USGS TopoView: Milan, Illinois Quadrangle, 1953, Scale:
1:24,000

Project No.:
CJ257097
Date:
Jul 2025
Drawn By:
CRB
Reviewed By:
AAL



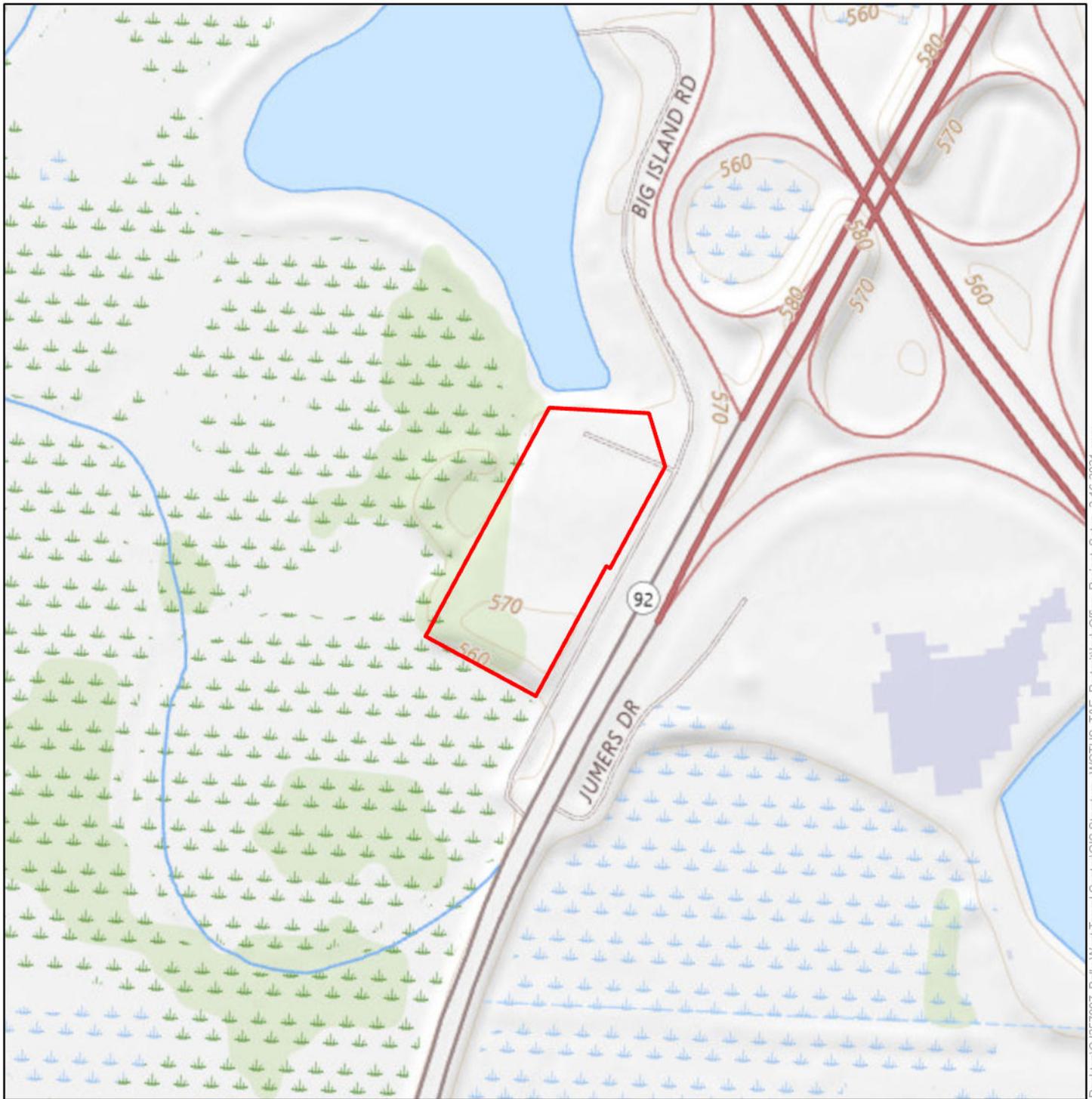
7770 West New York Street
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PH. (317) 273-1690 terracon.com

USGS Topographic Map

Bally West / Milan Bottoms Development
+/- 10 Acres of Land
Rock Island, Rock Island County, Illinois

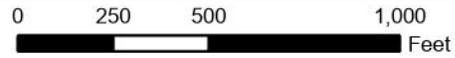
Exhibit

2.0



Legend

 Study Area



DATA SOURCES:
ESRI USGS National Map, accessed July 2025

Project No.:	CJ257097
Date:	Jul 2025
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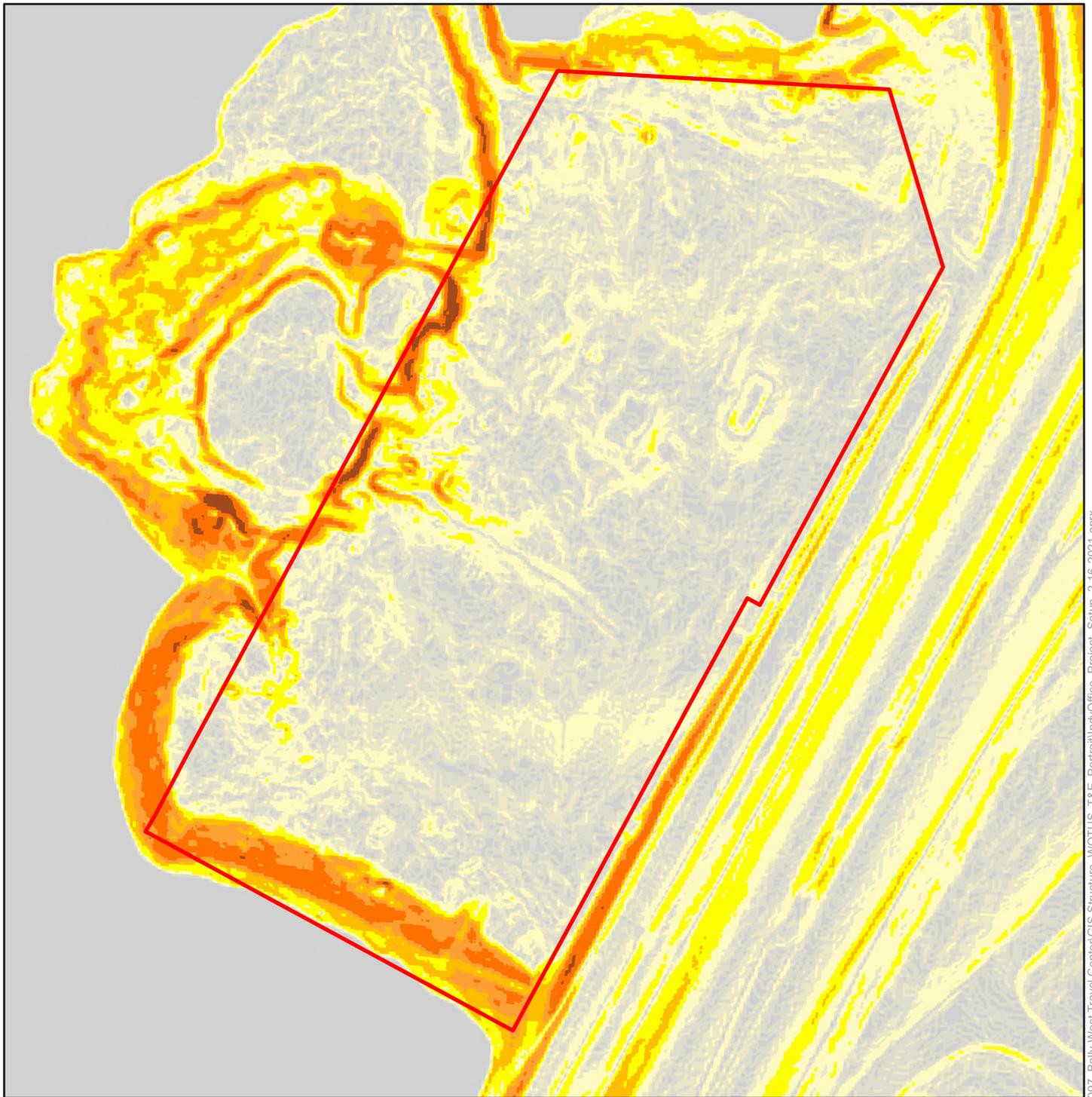
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USGS Topographic Map

Bally West / Milan Bottoms Development
+/- 10 Acres of Land
Rock Island, Rock Island County, Illinois

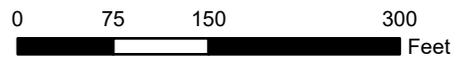
Exhibit

2.1



Legend

- Study Area
- Flat (0°)
- Nearly level (1°)
- Gently level (2°)
- Gently sloping (3° - 5°)
- Strongly sloping (6° - 10°)
- Gently steep (11° - 15°)
- Moderately Steep (16° - 20°)
- Steep (21° - 30°)
- Very steep (31° - 90°)



DATA SOURCES:
ESRI USGS National Map, accessed July 2025

Project No.:	CJ257097
Date:	Aug 2025
Drawn By:	CRB
Reviewed By:	AAL



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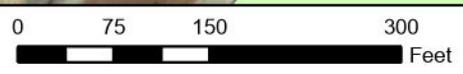
DEM Slope Map
Bally West / Milan Bottoms Development Rock Island, Rock Island County, Illinois Center 90.6186°W 41.4604°N

Exhibit
3.0



Legend

- Study Area
- Lake
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond



DATA SOURCES:
USFWS NWI Database, accessed March 2025

Project No.:	CJ257097
Date:	Aug 2025
Drawn By:	CRB
Reviewed By:	AAL

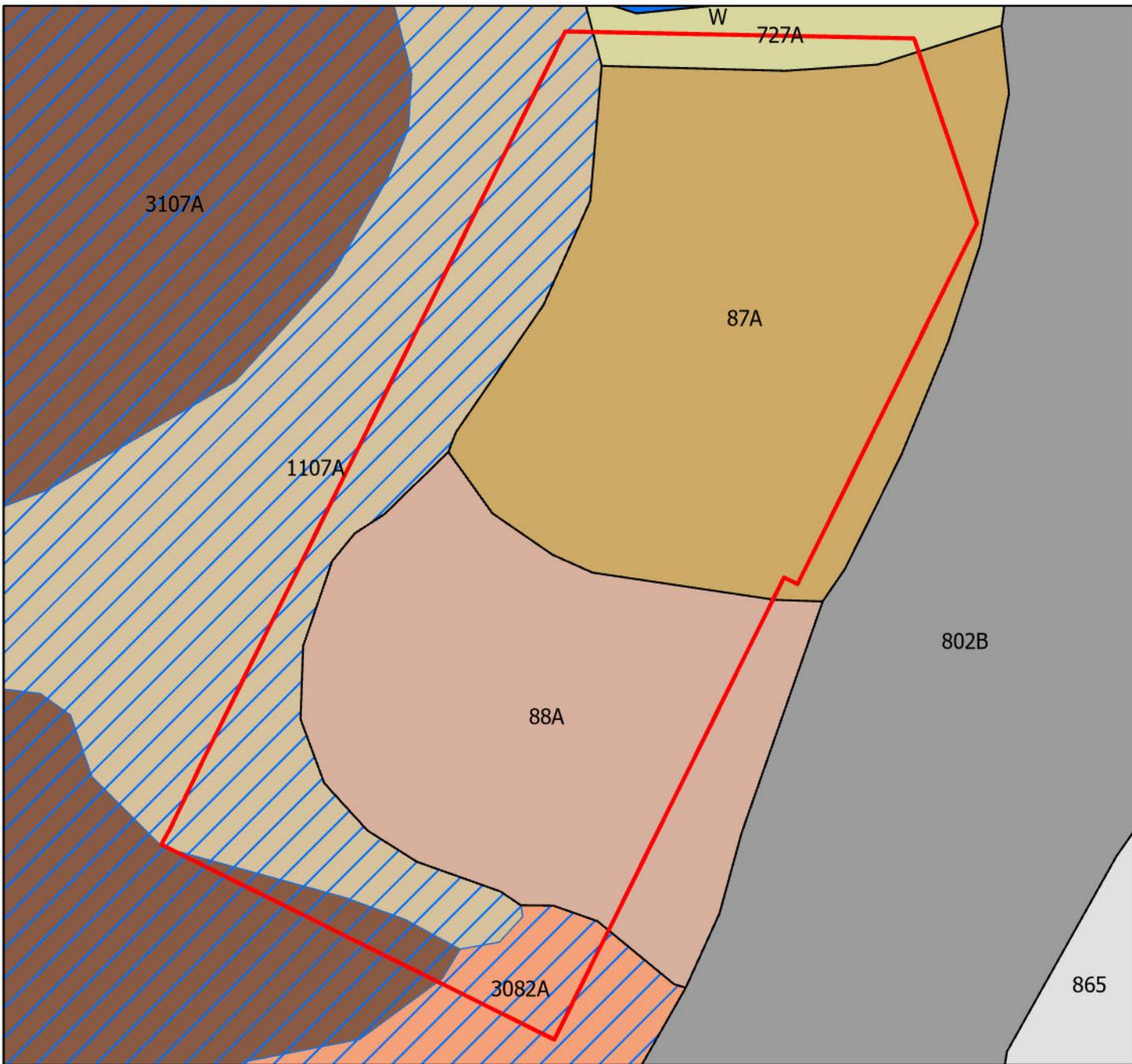


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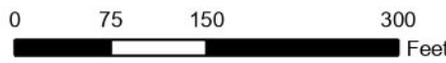
NWI Map
Bally West / Milan Bottoms Development Rock Island, Rock Island County, Illinois Center 90.6186°W 41.4604°N

Exhibit
4.0



Legend

- Study Area
- 727A: Waukee loam, 0 to 2 percent slopes
- 87A: Dickinson sandy loam, 0 to 2 percent slopes
- 88A: Sparta loamy sand, Illinois till plain, 0 to 2 percent slopes
- 3082A: Millington silt loam, 0 to 2 percent slopes, frequently flooded
- 3107A: Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
- 1107A: Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
- 865: Pits, gravel
- 802B: Orthents, loamy, undulating
- W: Water
- Hydric
- Non Hydric



DATA SOURCES:
ESRI WMS - World Aerial Imagery, OpenStreetMap

Project No.:	CJ257097
Date:	Aug 2025
Drawn By:	CRB
Reviewed By:	AAL

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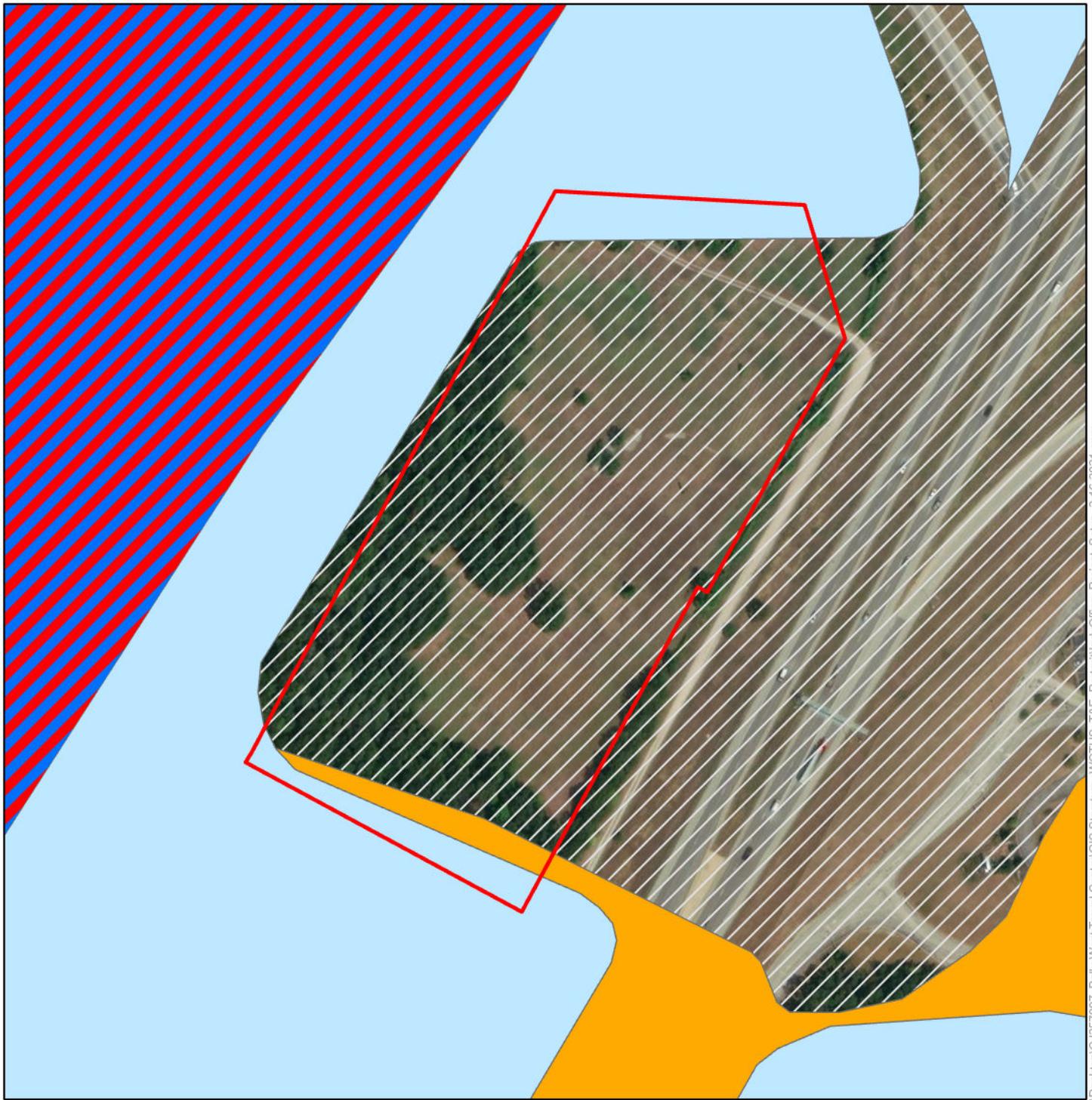
USDA Soil Survey Map

Bally West / Milan Bottoms Development
Rock Island, Rock Island County, Illinois

Exhibit

5.0

C:\Users\cbrienz\OneDrive\LINK - Terracon Consultants\Incl\Desktop\CJ257097 - Bally West Travel Center\GIS Structure - WOTUS - I&E - Portrait\Indy\Office - Project - Setup - 2-16-2021.aprx



Legend

- Study Area
- Zone X (unshaded): Area of Minimal Flood Hazard
- Zone X: 0.2% Annual Chance Flood Hazard
- Zone AE: 1% Annual Chance Flood Hazard
- Zone AE: Regulatory Floodway

Project No.:
CJ257097

Date:
Aug 2025

Drawn By:
CRB

Reviewed By:
AAL

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0 100 200 400
Feet

N

DATA SOURCES:
FEMA NFHL panel 17161C0305F, effective April 5, 2010

FEMA Map

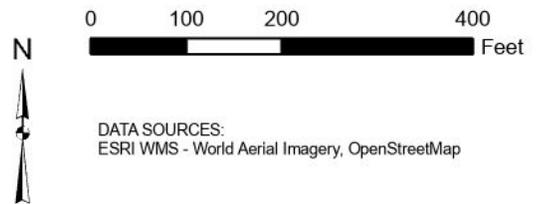
Bally West / Milan Bottoms Development
Rock Island, Rock Island County, Illinois

Exhibit

6.0



Legend



Project No.:	CJ257097
Date:	Aug 2025
Drawn By:	CRB
Reviewed By:	AAL

terracon

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2020 Aerial Imagery

Bally West / Milan Bottoms Development
Rock Island, Rock Island County, Illinois
Center 90.6186°W 41.4604°N

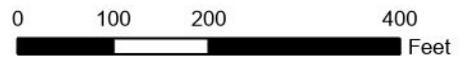
Exhibit

7.0



Legend

 Study Area



DATA SOURCES:
ESRI: USA NAIP Imagery 2023

Project No.:	CJ257097
Date:	Aug 2025
Drawn By:	CRB
Reviewed By:	AAL



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2023 Aerial Imagery

Bally West / Milan Bottoms Development
Rock Island, Rock Island County, Illinois
Center 90.6186°W 41.4604°N

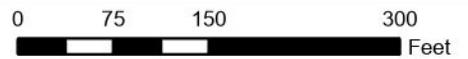
Exhibit

7.1



Legend

- Study Area
- Forested Wetland
- Scrub / Shrub Wetland
- Open Water / Slough
- Ephemeral Stream
- Data Point
- Reference Photo Point



DATA SOURCES:
ESRI WMS - World Aerial Imagery, OpenStreetMap

Project No.:	CJ257097
Date:	Jul 2025
Drawn By:	CRB
Reviewed By:	AAL

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Indianapolis, Indiana 46214

PH. (817) 268-8600 terracon.com

Delineation Map

Bally West / Milan Bottoms Development
+/- 10 Acres of Land
Rock Island, Rock Island County, Illinois

Exhibit

8.0

APPENDIX B
Wetland Determination Data
Forms & Site Photographs

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Milan Bottoms - CJ257097 City/County: Rock Island / Rock Island Sampling Date: 5/6/2025
 Applicant/Owner: Rymak Construction Group LLC State: IL Sampling Point: DP-1
 Investigator(s): CRB Section, Township, Range: S16, T17N, R2W
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): convex
 Slope (%): 2 Lat: 41.4616N Long: 90.6178W Datum: WGS 84
 Soil Map Unit Name: 87A: Dickinson sandy loam, 0 to 2 percent slopes NWI or WWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks:	

VEGETATION – Use scientific names of plants.

<u>Tree Stratum</u> (Plot size: <u>30 feet</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>black walnut (Juglans nigra)</u>	<u>30</u>	<u>Y</u>	<u>FACU</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>7</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>42.86</u> (A/B)
2. <u>hackberry (Celtis occidentalis)</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>	
3. _____			<u>Select...</u>	
4. _____			<u>Select...</u>	
5. _____			<u>Select...</u>	
	<u>60</u>			
= Total Cover				
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15 feet</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>rough dogwood (Cornus drummondii)</u>	<u>20</u>	<u>Y</u>	<u>FAC</u>	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>100</u> x 3 = <u>300</u> FACU species <u>120</u> x 4 = <u>480</u> UPL species <u>10</u> x 5 = <u>50</u> Column Totals: <u>230</u> (A) <u>830</u> (B) Prevalence Index = B/A = <u>3.61</u>
2. <u>honeysuckle (Lonicera maackii)</u>	<u>10</u>	<u>Y</u>	<u>UPL</u>	
3. <u>boxelder (Acer negundo)</u>	<u>5</u>	<u>N</u>	<u>FAC</u>	
4. _____			<u>Select...</u>	
5. _____			<u>Select...</u>	
	<u>35</u>			
= Total Cover				
<u>Herb Stratum</u> (Plot size: <u>5 feet</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>eastern woodland sedge (Carex blanda)</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u>white snakeroot (Ageratina altissima)</u>	<u>30</u>	<u>Y</u>	<u>FACU</u>	
3. <u>smooth meadow grass (Poa pratensis)</u>	<u>5</u>	<u>N</u>	<u>FAC</u>	
4. <u>oval-leaf sedge (Carex cephalophora)</u>	<u>10</u>	<u>N</u>	<u>FACU</u>	
5. <u>roundleaf ragwort (Packera obovata)</u>	<u>10</u>	<u>N</u>	<u>FACU</u>	
6. _____			<u>Select...</u>	
7. _____			<u>Select...</u>	
8. _____			<u>Select...</u>	
9. _____			<u>Select...</u>	
10. _____			<u>Select...</u>	
	<u>95</u>			
= Total Cover				
<u>Woody Vine Stratum</u> (Plot size: <u>30 feet</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Virginia creeper (Parthenocissus quinquefolia)</u>	<u>40</u>	<u>Y</u>	<u>FACU</u>	Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
2. _____			<u>Select...</u>	
	<u>40</u>			
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	10 YR 3/2	100					sandy loam	

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 5, 2025 | Terracon Project Number: CJ257097



DP-1 Facing North



DP-1 Facing East



DP-1 Facing South



DP-1 Facing West



DP-1 Soil Profile

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
 See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Milan Bottoms - CJ257097 City/County: Rock Island / Rock Island Sampling Date: 6/6/2025
 Applicant/Owner: Rymak Construcion Group LLC State: IL Sampling Point: DP-2
 Investigator(s): CRB Section, Township, Range: S16, T17N, R2W
 Landform (hillside, terrace, etc.): terrace Local relief (concave, convex, none): none
 Slope (%): 1 Lat: 41.4610°N Long: 90.6190°W Datum: NAD 83
 Soil Map Unit Name: 1107A: Sawmill silty clay loam, undrained, 0 to 2% slopes, frequently flooded NWI classification: PFO1C
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u> Hydric Soil Present? Yes <u>x</u> No <u> </u> Wetland Hydrology Present? Yes <u>x</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Acer saccharinum</u>	<u>15</u>	<u>Yes</u>	<u>FACW</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>60.0%</u> (A/B)																
2. <u>Morus rubra</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>																	
3. <u> </u>																				
4. <u> </u>																				
5. <u> </u>																				
	<u>25</u> =Total Cover																			
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)																				
1. <u>Acer negundo</u>	<u>7</u>	<u>Yes</u>	<u>FAC</u>	Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Total % Cover of:</td> <td style="text-align: right;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>15</u></td> <td>x 2 = <u>30</u></td> </tr> <tr> <td>FAC species <u>34</u></td> <td>x 3 = <u>102</u></td> </tr> <tr> <td>FACU species <u>22</u></td> <td>x 4 = <u>88</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>71</u> (A)</td> <td><u>220</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.10</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>15</u>	x 2 = <u>30</u>	FAC species <u>34</u>	x 3 = <u>102</u>	FACU species <u>22</u>	x 4 = <u>88</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>71</u> (A)	<u>220</u> (B)	Prevalence Index = B/A = <u>3.10</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>15</u>	x 2 = <u>30</u>																			
FAC species <u>34</u>	x 3 = <u>102</u>																			
FACU species <u>22</u>	x 4 = <u>88</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>71</u> (A)	<u>220</u> (B)																			
Prevalence Index = B/A = <u>3.10</u>																				
2. <u> </u>																				
3. <u> </u>																				
4. <u> </u>																				
5. <u> </u>																				
	<u>7</u> =Total Cover																			
Herb Stratum (Plot size: <u>5 ft</u>)																				
1. <u>Galium aparine</u>	<u>12</u>	<u>Yes</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
2. <u>Smilax rotundifolia</u>	<u>7</u>	<u>No</u>	<u>FAC</u>																	
3. <u>Toxicodendron radicans</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>																	
4. <u> </u>																				
5. <u> </u>																				
6. <u> </u>																				
7. <u> </u>																				
8. <u> </u>																				
9. <u> </u>																				
10. <u> </u>																				
	<u>39</u> =Total Cover																			
Woody Vine Stratum (Plot size: <u>30 ft</u>)																				
1. <u> </u>				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>																
2. <u> </u>																				
	=Total Cover																			

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	10YR 2/1	70	10YR 6/1	30	D	M	Sandy	sandy loam
6-16	10YR 4/2	25	10YR 6/6	5	C	M	Sandy	sandy loam
			10YR 5/1	70	D	M		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Stratified Layers (A5)	
<input type="checkbox"/> 2 cm Muck (A10)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Iron Monosulfide (A18)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input checked="" type="checkbox"/> Sandy Redox (S5)	
<input checked="" type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Dark Surface (S7)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
---	---

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)

Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
---	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 5, 2025 | Terracon Project Number: CJ257097



DP-2 Facing North



DP-2 Facing East



DP-2 Facing South



DP-2 Facing West



DP-2 Soil Profile

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
 See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
 Requirement Control Symbol EXEMPT:
 (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Milan Bottoms - CJ257097 City/County: Rock Island / Rock Island Sampling Date: 5/6/2025
 Applicant/Owner: Rymak Construcion Group LLC State: IL Sampling Point: DP-3
 Investigator(s): CRB Section, Township, Range: S16, T17N, R2W
 Landform (hillside, terrace, etc.): hillslope Local relief (concave, convex, none): convex
 Slope (%): 4 Lat: 41.4610°N Long: 90.6190°W Datum: NAD 83
 Soil Map Unit Name: 1107A: Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u> Hydric Soil Present? Yes <u> </u> No <u>x</u> Wetland Hydrology Present? Yes <u> </u> No <u>x</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Acer saccharinum</u>	<u>25</u>	<u>Yes</u>	<u>FACW</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>8</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>62.5%</u> (A/B)
2. <u>Populus deltoides</u>	<u>60</u>	<u>Yes</u>	<u>FAC</u>	
3. <u>Celtis occidentalis</u>	<u>15</u>	<u>No</u>	<u>FAC</u>	
4. <u> </u>				
5. <u> </u>				
	<u>100</u> =Total Cover			
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				
1. <u>Lonicera morrowii</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>25</u> x 2 = <u>50</u> FAC species <u>150</u> x 3 = <u>450</u> FACU species <u>70</u> x 4 = <u>280</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>245</u> (A) <u>780</u> (B) Prevalence Index = B/A = <u>3.18</u>
2. <u>Cornus drummondii</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>	
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
	<u>40</u> =Total Cover			
Herb Stratum (Plot size: <u>5 ft</u>)				
1. <u>Galium aparine</u>	<u>10</u>	<u>No</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u>Smilax rotundifolia</u>	<u>5</u>	<u>No</u>	<u>FAC</u>	
3. <u>Toxicodendron radicans</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>	
4. <u>Lonicera morrowii</u>	<u>20</u>	<u>Yes</u>	<u>FACU</u>	
5. <u>Celtis occidentalia</u>	<u>5</u>	<u>No</u>	<u>FAC</u>	
6. <u> </u>				
7. <u> </u>				
8. <u> </u>				
9. <u> </u>				
10. <u> </u>				
	<u>70</u> =Total Cover			
Woody Vine Stratum (Plot size: <u>30 ft</u>)				
1. <u>Toxicodendron radicans</u>	<u>25</u>	<u>Yes</u>	<u>FAC</u>	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
2. <u>Parthenocissus quinquefolia</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>	
	<u>35</u> =Total Cover			

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	10YR 3/3	100					Sandy	sandy loam

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

<p>Hydric Soil Indicators:</p> <p><input type="checkbox"/> Histosol (A1)</p> <p><input type="checkbox"/> Histic Epipedon (A2)</p> <p><input type="checkbox"/> Black Histic (A3)</p> <p><input type="checkbox"/> Hydrogen Sulfide (A4)</p> <p><input type="checkbox"/> Stratified Layers (A5)</p> <p><input type="checkbox"/> 2 cm Muck (A10)</p> <p><input type="checkbox"/> Depleted Below Dark Surface (A11)</p> <p><input type="checkbox"/> Thick Dark Surface (A12)</p> <p><input type="checkbox"/> Iron Monosulfide (A18)</p> <p><input type="checkbox"/> Sandy Mucky Mineral (S1)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)</p>	<p><input type="checkbox"/> Sandy Gleyed Matrix (S4)</p> <p><input type="checkbox"/> Sandy Redox (S5)</p> <p><input type="checkbox"/> Stripped Matrix (S6)</p> <p><input type="checkbox"/> Dark Surface (S7)</p> <p><input type="checkbox"/> Loamy Mucky Mineral (F1)</p> <p><input type="checkbox"/> Loamy Gleyed Matrix (F2)</p> <p><input type="checkbox"/> Depleted Matrix (F3)</p> <p><input type="checkbox"/> Redox Dark Surface (F6)</p> <p><input type="checkbox"/> Depleted Dark Surface (F7)</p> <p><input type="checkbox"/> Redox Depressions (F8)</p>	<p>Indicators for Problematic Hydric Soils³:</p> <p><input type="checkbox"/> Iron-Manganese Masses (F12)</p> <p><input type="checkbox"/> Red Parent Material (F21)</p> <p><input type="checkbox"/> Very Shallow Dark Surface (F22)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
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³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

<p>Restrictive Layer (if observed):</p> <p>Type: _____</p> <p>Depth (inches): _____</p>	<p>Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
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Remarks:

HYDROLOGY

<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators (minimum of one is required; check all that apply)</p> <p><input type="checkbox"/> Surface Water (A1)</p> <p><input type="checkbox"/> High Water Table (A2)</p> <p><input type="checkbox"/> Saturation (A3)</p> <p><input type="checkbox"/> Water Marks (B1)</p> <p><input type="checkbox"/> Sediment Deposits (B2)</p> <p><input type="checkbox"/> Drift Deposits (B3)</p> <p><input type="checkbox"/> Algal Mat or Crust (B4)</p> <p><input type="checkbox"/> Iron Deposits (B5)</p> <p><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)</p> <p><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)</p>	<p>Secondary Indicators (minimum of two required)</p> <p><input type="checkbox"/> Water-Stained Leaves (B9)</p> <p><input type="checkbox"/> Aquatic Fauna (B13)</p> <p><input type="checkbox"/> True Aquatic Plants (B14)</p> <p><input type="checkbox"/> Hydrogen Sulfide Odor (C1)</p> <p><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)</p> <p><input type="checkbox"/> Presence of Reduced Iron (C4)</p> <p><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)</p> <p><input type="checkbox"/> Thin Muck Surface (C7)</p> <p><input type="checkbox"/> Gauge or Well Data (D9)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
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<p>Field Observations:</p> <p>Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)</p>	<p>Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 5, 2025 | Terracon Project Number: CJ257097



DP-3 Facing North



DP-3 Facing East



DP-3 Facing South



DP-3 Facing West



DP-3 Soil Profile

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
 See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
 Requirement Control Symbol EXEMPT:
 (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Milan Bottoms - CJ257097 City/County: Rock Island / Rock Island Sampling Date: 5/6/2025
 Applicant/Owner: Rymak Construcion Group LLC State: IL Sampling Point: DP-4
 Investigator(s): CRB Section, Township, Range: S16, T17N, R2W
 Landform (hillside, terrace, etc.): depression/swale Local relief (concave, convex, none): concave
 Slope (%): 1 Lat: 41.4605°N Long: _____ Datum: NAD 83
 Soil Map Unit Name: 1107A: Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>
Hydric Soil Present? Yes _____ No <u>x</u>	
Wetland Hydrology Present? Yes _____ No <u>x</u>	

Remarks:
 Within a depression / drainage swale. A culvert is located at the west end of the depression.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>60.0%</u> (A/B)
1. <u>Celtis occidentalis</u>	<u>3</u>	<u>No</u>	<u>FAC</u>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
<u>3</u> =Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>42</u> x 3 = <u>126</u> FACU species <u>25</u> x 4 = <u>100</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>67</u> (A) <u>226</u> (B) Prevalence Index = B/A = <u>3.37</u>
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Lonicera morrowii</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>	
2. <u>Cornus drummondii</u>	<u>2</u>	<u>No</u>	<u>FAC</u>	
3. <u>Celtis occidentalis</u>	<u>7</u>	<u>Yes</u>	<u>FAC</u>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
<u>19</u> =Total Cover				
Herb Stratum (Plot size: <u>5 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Galium aparine</u>	<u>10</u>	<u>Yes</u>	<u>FACU</u>	
2. <u>Elisia nyctelea</u>	<u>15</u>	<u>Yes</u>	<u>FAC</u>	
3. <u>Alliaria petiolata</u>	<u>15</u>	<u>Yes</u>	<u>FAC</u>	
4. <u>Lonicera morrowii</u>	<u>3</u>	<u>No</u>	<u>FACU</u>	
5. <u>Parthenocissus quinquefolia</u>	<u>2</u>	<u>No</u>	<u>FACU</u>	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
<u>45</u> =Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No _____
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	_____ =Total Cover

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	10YR 3/2	100					Sandy	sandy loam
10-16	10YR 4/4	100					Sandy	sand

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Stratified Layers (A5)	
<input type="checkbox"/> 2 cm Muck (A10)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Iron Monosulfide (A18)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Dark Surface (S7)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <u>x</u>
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Remarks:

HYDROLOGY

Wetland Hydrology Indicators:	Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations: Surface Water Present? Yes _____ No <u>x</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>x</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>x</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>x</u>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 5, 2025 | Terracon Project Number: CJ257097



DP-4 Facing North



DP-4 Facing East



DP-4 Facing South



DP-4 Facing West



DP-4 Soil Profile

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
 See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
 Requirement Control Symbol EXEMPT:
 (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Milan Bottoms - CJ257097 City/County: Rock Island / Rock Island Sampling Date: 5/6/2025
 Applicant/Owner: Rymak Construcion Group LLC State: IL Sampling Point: DP-5
 Investigator(s): CRB Section, Township, Range: S16, T17N, R2W
 Landform (hillside, terrace, etc.): hillslope Local relief (concave, convex, none): convex
 Slope (%): 10 Lat: 41.4595°N Long: 90.6200°W Datum: NAD 83
 Soil Map Unit Name: 1107A: Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded NWI classification: PFO1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u> Hydric Soil Present? Yes <u>x</u> No <u> </u> Wetland Hydrology Present? Yes <u> </u> No <u>x</u>	Is the Sampled Area within a Wetland? Yes <u> </u> No <u>X</u>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Ailanthus altissima</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>80.0%</u> (A/B)
2. <u> </u>				
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
	<u>30</u> =Total Cover			
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				
1. <u>Cephalanthus occidentalis</u>	<u>50</u>	<u>Yes</u>	<u>OBL</u>	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>55</u> x 1 = <u>55</u> FACW species <u>10</u> x 2 = <u>20</u> FAC species <u>65</u> x 3 = <u>195</u> FACU species <u>32</u> x 4 = <u>128</u> UPL species <u>10</u> x 5 = <u>50</u> Column Totals: <u>172</u> (A) <u>448</u> (B) Prevalence Index = B/A = <u>2.60</u>
2. <u>Cornus drummondii</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>	
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
	<u>80</u> =Total Cover			
Herb Stratum (Plot size: <u>5 ft</u>)				
1. <u>Phragmites australis</u>	<u>10</u>	<u>No</u>	<u>FACW</u>	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u>Verbascum thapsus</u>	<u>10</u>	<u>No</u>	<u>UPL</u>	
3. <u>Smilax bona-nox</u>	<u>2</u>	<u>No</u>	<u>FACU</u>	
4. <u>Iris spp.</u>	<u>5</u>	<u>No</u>	<u>OBL</u>	
5. <u>Eupatorium serotinum</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>	
6. <u> </u>				
7. <u> </u>				
8. <u> </u>				
9. <u> </u>				
10. <u> </u>				
	<u>57</u> =Total Cover			
Woody Vine Stratum (Plot size: <u>30 ft</u>)				
1. <u>Toxicodendron radicans</u>	<u>5</u>	<u>Yes</u>	<u>FAC</u>	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
2. <u> </u>				
	<u>5</u> =Total Cover			

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	10YR 2/2	78	10YR 4/6	2	C	PL	Sandy	sandy loam
			10YR 5/2	20	D	M		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Stratified Layers (A5)	
<input type="checkbox"/> 2 cm Muck (A10)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Iron Monosulfide (A18)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input checked="" type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Dark Surface (S7)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____
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Remarks:

HYDROLOGY

Wetland Hydrology Indicators:	Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 5, 2025 | Terracon Project Number: CJ257097



DP-5 Facing North



DP-5 Facing East



DP-5 Facing South



DP-5 Facing West



DP-5 Soil Profile

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
 See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
 Requirement Control Symbol EXEMPT:
 (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Milan Bottoms - CJ257097 City/County: Rock Island / Rock Island Sampling Date: 5/6/2025
 Applicant/Owner: Rymak Construcion Group LLC State: IL Sampling Point: DP-6
 Investigator(s): CRB Section, Township, Range: S16, T17N, R2W
 Landform (hillside, terrace, etc.): toeslope Local relief (concave, convex, none): concave
 Slope (%): 10 Lat: 41.4594°N Long: 90.6198°W Datum: NAD 83
 Soil Map Unit Name: 3107A: Sawmill silty clay loam, 0 to 2% slopes, frequently flooded NWI classification: PFO1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present? Yes <u>x</u> No <u> </u>	
Wetland Hydrology Present? Yes <u>x</u> No <u> </u>	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
=Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>19</u> x 1 = <u>19</u> FACW species <u>100</u> x 2 = <u>200</u> FAC species <u>2</u> x 3 = <u>6</u> FACU species <u>5</u> x 4 = <u>20</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>126</u> (A) <u>245</u> (B) Prevalence Index = B/A = <u>1.94</u>
1. <u>Cephalanthus occidentalis</u>	<u>14</u>	<u>Yes</u>	<u>OBL</u>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
=Total Cover				
Herb Stratum (Plot size: <u>5 ft</u>)				Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Phalaris canariensis</u>	<u>100</u>	<u>Yes</u>	<u>FACW</u>	
2. <u>Galium aparine</u>	<u>5</u>	<u>No</u>	<u>FACU</u>	
3. <u>Toxicodendron radicans</u>	<u>2</u>	<u>No</u>	<u>FAC</u>	
4. <u>Iris spp.</u>	<u>5</u>	<u>No</u>	<u>OBL</u>	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
=Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
=Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	10YR 2/2	95	10YR 4/4	5	C	PL/M	Sandy	sandy loam

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

<p>Hydric Soil Indicators:</p> <p><input type="checkbox"/> Histosol (A1)</p> <p><input type="checkbox"/> Histic Epipedon (A2)</p> <p><input type="checkbox"/> Black Histic (A3)</p> <p><input type="checkbox"/> Hydrogen Sulfide (A4)</p> <p><input type="checkbox"/> Stratified Layers (A5)</p> <p><input type="checkbox"/> 2 cm Muck (A10)</p> <p><input type="checkbox"/> Depleted Below Dark Surface (A11)</p> <p><input type="checkbox"/> Thick Dark Surface (A12)</p> <p><input type="checkbox"/> Iron Monosulfide (A18)</p> <p><input type="checkbox"/> Sandy Mucky Mineral (S1)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)</p>	<p><input type="checkbox"/> Sandy Gleyed Matrix (S4)</p> <p><input checked="" type="checkbox"/> Sandy Redox (S5)</p> <p><input type="checkbox"/> Stripped Matrix (S6)</p> <p><input type="checkbox"/> Dark Surface (S7)</p> <p><input type="checkbox"/> Loamy Mucky Mineral (F1)</p> <p><input type="checkbox"/> Loamy Gleyed Matrix (F2)</p> <p><input type="checkbox"/> Depleted Matrix (F3)</p> <p><input type="checkbox"/> Redox Dark Surface (F6)</p> <p><input type="checkbox"/> Depleted Dark Surface (F7)</p> <p><input type="checkbox"/> Redox Depressions (F8)</p>	<p>Indicators for Problematic Hydric Soils³:</p> <p><input type="checkbox"/> Iron-Manganese Masses (F12)</p> <p><input type="checkbox"/> Red Parent Material (F21)</p> <p><input type="checkbox"/> Very Shallow Dark Surface (F22)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
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³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

<p>Restrictive Layer (if observed):</p> <p>Type: _____</p> <p>Depth (inches): _____</p>	<p>Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
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Remarks:

HYDROLOGY

<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators (minimum of one is required; check all that apply)</p> <p><input type="checkbox"/> Surface Water (A1)</p> <p><input type="checkbox"/> High Water Table (A2)</p> <p><input checked="" type="checkbox"/> Saturation (A3)</p> <p><input type="checkbox"/> Water Marks (B1)</p> <p><input type="checkbox"/> Sediment Deposits (B2)</p> <p><input type="checkbox"/> Drift Deposits (B3)</p> <p><input type="checkbox"/> Algal Mat or Crust (B4)</p> <p><input type="checkbox"/> Iron Deposits (B5)</p> <p><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)</p> <p><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)</p>	<p>Secondary Indicators (minimum of two required)</p> <p><input checked="" type="checkbox"/> Water-Stained Leaves (B9)</p> <p><input type="checkbox"/> Aquatic Fauna (B13)</p> <p><input type="checkbox"/> True Aquatic Plants (B14)</p> <p><input type="checkbox"/> Hydrogen Sulfide Odor (C1)</p> <p><input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)</p> <p><input type="checkbox"/> Presence of Reduced Iron (C4)</p> <p><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)</p> <p><input type="checkbox"/> Thin Muck Surface (C7)</p> <p><input type="checkbox"/> Gauge or Well Data (D9)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
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<p>Field Observations:</p> <p>Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>12</u></p> <p>(includes capillary fringe)</p>	<p>Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 5, 2025 | Terracon Project Number: CJ257097



DP-6 Facing North



DP-6 Facing East



DP-6 Facing South



DP-6 Facing West



DP-6 Soil Profile

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
 See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
 Requirement Control Symbol EXEMPT:
 (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Milan Bottoms - CJ257097 City/County: Rock Island / Rock Island Sampling Date: 5/6/2025
 Applicant/Owner: Rymak Construcion Group LLC State: IL Sampling Point: DP-7
 Investigator(s): CRB Section, Township, Range: S16, T17N, R2W
 Landform (hillside, terrace, etc.): slough Local relief (concave, convex, none): concave
 Slope (%): 10 Lat: 41.4593°N Long: 90.6197°W Datum: NAD 83
 Soil Map Unit Name: 3107A: Sawmill silty clay loam, 0 to 2% slopes, frequently flooded NWI classification: PFO1C

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present? Yes <u>x</u> No <u> </u>	
Wetland Hydrology Present? Yes <u>x</u> No <u> </u>	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>100</u> x 1 = <u>100</u> FACW species <u>100</u> x 2 = <u>200</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>0</u> x 4 = <u>0</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>200</u> (A) <u>300</u> (B) Prevalence Index = B/A = <u>1.50</u>
=Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)				
1. <u>Cephalanthus occidentalis</u>	<u>20</u>	<u>Yes</u>	<u>OBL</u>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	Hydrophytic Vegetation Indicators: <u>x</u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u>X</u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
=Total Cover				
Herb Stratum (Plot size: <u>5 ft</u>)				
1. <u>Phalaris arundinacea</u>	<u>100</u>	<u>Yes</u>	<u>FACW</u>	
2. <u>Lemna spp.</u>	<u>80</u>	<u>Yes</u>	<u>OBL</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
=Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
=Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-7

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth (inches)	Matrix		Redox Features			Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹		
0-2	10YR 3/1	100				Muck	
2-16	10YR 3/1	100				Mucky Peat	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Iron Monosulfide (A18)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- Iron-Manganese Masses (F12)
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

Secondary Indicators (minimum of two required)

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Water-Stained Leaves (B9) | <input type="checkbox"/> Surface Soil Cracks (B6) |
| <input type="checkbox"/> High Water Table (A2) | <input checked="" type="checkbox"/> Aquatic Fauna (B13) | <input type="checkbox"/> Drainage Patterns (B10) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> True Aquatic Plants (B14) | <input type="checkbox"/> Dry-Season Water Table (C2) |
| <input type="checkbox"/> Water Marks (B1) | <input checked="" type="checkbox"/> Hydrogen Sulfide Odor (C1) | <input type="checkbox"/> Crayfish Burrows (C8) |
| <input type="checkbox"/> Sediment Deposits (B2) | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Drift Deposits (B3) | <input type="checkbox"/> Presence of Reduced Iron (C4) | <input type="checkbox"/> Stunted or Stressed Plants (D1) |
| <input type="checkbox"/> Algal Mat or Crust (B4) | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input type="checkbox"/> Geomorphic Position (D2) |
| <input type="checkbox"/> Iron Deposits (B5) | <input type="checkbox"/> Thin Muck Surface (C7) | <input checked="" type="checkbox"/> FAC-Neutral Test (D5) |
| <input checked="" type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Gauge or Well Data (D9) | |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input type="checkbox"/> Other (Explain in Remarks) | |

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes _____ No Depth (inches): _____
 Saturation Present? Yes _____ No Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 5, 2025 | Terracon Project Number: CJ257097



DP-7 Facing North



DP-7 Facing East



DP-7 Facing South



DP-7 Facing West



DP-7 Soil Profile

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Midwest Region
 See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 9/30/2027
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Milan Bottoms - CJ257097 City/County: Rock Island / Rock Island Sampling Date: 6/6/2025
 Applicant/Owner: Rymak Construcion Group LLC State: IL Sampling Point: DP-8
 Investigator(s): CRB Section, Township, Range: S16, T17N, R2W
 Landform (hillside, terrace, etc.): terrace Local relief (concave, convex, none): none
 Slope (%): 10 Lat: 41.4601°N Long: 90.6184°W Datum: NAD 83
 Soil Map Unit Name: 88A: Sparta loamy sand, Illinois till plain, 0 to 2 percent slopes NWI classification: _____
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>
Hydric Soil Present? Yes <u>x</u> No _____	
Wetland Hydrology Present? Yes _____ No <u>x</u>	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
1. <u>Ulmus pumila</u>	10	Yes	UPL	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
<u>10</u> =Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>100</u> x 3 = <u>300</u> FACU species <u>2</u> x 4 = <u>8</u> UPL species <u>14</u> x 5 = <u>70</u> Column Totals: <u>116</u> (A) <u>378</u> (B) Prevalence Index = B/A = <u>3.26</u>
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ =Total Cover				
Herb Stratum (Plot size: <u>5 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: ____ 1 - Rapid Test for Hydrophytic Vegetation ____ 2 - Dominance Test is >50% ____ 3 - Prevalence Index is ≤3.0 ¹ ____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Poa preatensis</u>	95	Yes	FAC	
2. <u>Potentilla recta</u>	2	No	UPL	
3. <u>Ulmus pumila</u>	2	No	UPL	
4. <u>Asclepias syriaca</u>	2	No	FACU	
5. <u>Toxicodendron radicans</u>	5	No	FAC	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
<u>106</u> =Total Cover				
Woody Vine Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes _____ No <u>X</u>
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ =Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: DP-8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-2	10YR 2/1	100					Sandy	sandy loam
2-5	10YR 5/3	50	10YR 6/2	50	D	M	Sandy	sand
5-16	10YR 4/2	90	10YR 6/2	10	D	M	Sandy	sandy loam

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

<p>Hydric Soil Indicators:</p> <p><input type="checkbox"/> Histosol (A1)</p> <p><input type="checkbox"/> Histic Epipedon (A2)</p> <p><input type="checkbox"/> Black Histic (A3)</p> <p><input type="checkbox"/> Hydrogen Sulfide (A4)</p> <p><input type="checkbox"/> Stratified Layers (A5)</p> <p><input type="checkbox"/> 2 cm Muck (A10)</p> <p><input type="checkbox"/> Depleted Below Dark Surface (A11)</p> <p><input type="checkbox"/> Thick Dark Surface (A12)</p> <p><input type="checkbox"/> Iron Monosulfide (A18)</p> <p><input type="checkbox"/> Sandy Mucky Mineral (S1)</p> <p><input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)</p>	<p><input type="checkbox"/> Sandy Gleyed Matrix (S4)</p> <p><input type="checkbox"/> Sandy Redox (S5)</p> <p><input checked="" type="checkbox"/> Stripped Matrix (S6)</p> <p><input type="checkbox"/> Dark Surface (S7)</p> <p><input type="checkbox"/> Loamy Mucky Mineral (F1)</p> <p><input type="checkbox"/> Loamy Gleyed Matrix (F2)</p> <p><input type="checkbox"/> Depleted Matrix (F3)</p> <p><input type="checkbox"/> Redox Dark Surface (F6)</p> <p><input type="checkbox"/> Depleted Dark Surface (F7)</p> <p><input type="checkbox"/> Redox Depressions (F8)</p>	<p>Indicators for Problematic Hydric Soils³:</p> <p><input type="checkbox"/> Iron-Manganese Masses (F12)</p> <p><input type="checkbox"/> Red Parent Material (F21)</p> <p><input type="checkbox"/> Very Shallow Dark Surface (F22)</p> <p><input type="checkbox"/> Other (Explain in Remarks)</p>
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³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

<p>Restrictive Layer (if observed):</p> <p>Type: _____</p> <p>Depth (inches): _____</p>	<p>Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
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Remarks:

HYDROLOGY

<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators (minimum of one is required; check all that apply)</p>			<p>Secondary Indicators (minimum of two required)</p>		
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)			
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)			
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)			
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)			
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)			
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)			
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)			
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> FAC-Neutral Test (D5)			
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)				
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)				

<p>Field Observations:</p> <p>Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____</p> <p>(includes capillary fringe)</p>	<p>Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 5, 2025 | Terracon Project Number: CJ257097



DP-8 Facing North



DP-8 Facing East



DP-8 Facing South



DP-8 Facing West



DP-8 Soil Profile

Reference Photo Points

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 5, 2025 | Terracon Project Number: CJ257097



RPP-1 Facing North



RPP-1 Facing East



RPP-1 Facing South



RPP-1 Facing West



RPP-2 Facing North



RPP-2 Facing East

Aquatic Resources Delineation

Milan Bottoms / Bally West Development | Rock Island, Rock Island County, Illinois
August 5, 2025 | Terracon Project Number: CJ257097



RPP-2 Facing South



RPP-2 Facing West



RPP-3 Facing North



RPP-3 Facing East



RPP-3 Facing South



RPP-3 Facing West

APPENDIX C
List of Preparers

LIST OF PREPARERS

- **Aric A. Larson**

B.A. Biology

Years of Applicable Experience: 22

Responsible for: ***Quality Assurance/Quality Control***

- Christina Bienz

M.S. Environmental Science

B.S. Wildlife Science

Years of Applicable Experience: 7

Responsible for: ***Project Management, Report Authoring, GIS Exhibits, and Field Data Collection***