

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): December 3, 2015

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, Mostyn Parcel, LRC-2014-490

C. PROJECT LOCATION AND BACKGROUND INFORMATION: SE of Weber Road and Airport Road

State: Illinois County/parish/borough: Will City: Romeoville

Center coordinates of site (lat/long in degree decimal format): Lat. 41.606464°N, Long. -88.115839° W.

Universal Transverse Mercator: Zone 16

Name of nearest waterbody: Mink Creek

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: **Des Plaines River**

Name of watershed or Hydrologic Unit Code (HUC): **Des Plaines (07120004)**

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: December 3, 2015

Field Determination. Date(s): November 24, 2015

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain: Defined in People of State of Ill. ex rel. Scott v. Hoffman, No. P-CIV-76-45, slip op. at 7 (S.D.Ill. Jan. 20, 1979).

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

TNWs, including territorial seas

Wetlands adjacent to TNWs

Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs

Wetlands directly abutting RPWs that flow directly or indirectly into TNWs

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: 2000 linear feet: 3 width (ft) and/or acres.

Wetlands: 1 acres.

c. Limits (boundaries) of jurisdiction based on: **1987 Delineation Manual**

Elevation of established OHWM (if known): .

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: **Pick List.**

Summarize rationale supporting determination: As defined in People of State of Ill. ex rel. Scott v. Hoffman, No. P-CIV-76-45, slip op. at 7 (S.D.Ill. Jan. 20, 1979).

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent": .

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:

- TNWs: linear feet width (ft), Or, acres.
- Wetlands adjacent to TNWs: acres.

2. **RPWs that flow directly or indirectly into TNWs.**

- Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: Creek has continuous flow based on aerial review and drain tile feeds.
- Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: .

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: **2000** linear feet **3** width (ft).
- Other non-wetland waters: acres.

Identify type(s) of waters: .

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 - Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: **Wetland extends to both side of creek with little change in elevation.**
 - Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: **1** acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: CBBEL Wetland/Waters Assessment Report dated June 6, 2014.
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps: .
- Corps navigable waters' study: .
- U.S. Geological Survey Hydrologic Atlas: Joliet HA 89, 1964, .
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Joliet 7.5", 1993, Pick List, Pick List, Pick List, .
- USDA Natural Resources Conservation Service Soil Survey. Citation: Soil Survey of Will County, Illinois (2004).
- National wetlands inventory map(s). Cite name: Joliet, .
- State/Local wetland inventory map(s): Pick List, .
- FEMA/FIRM maps: .
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): .
or Other (Name & Date): .
- Previous determination(s). File no. and date of response letter: .
- Applicable/supporting case law: People of State of Ill. ex rel. Scott v. Hoffman, No. P-CIV-76-45, (S.D.Ill. Jan. 20, 1979)
- Applicable/supporting scientific literature: .
- Other information (please specify): .

B. ADDITIONAL COMMENTS TO SUPPORT JD: Site walked and strong water flow observed in tributary with defined bed and bank, with wetland spreading out to both sides of tributary..

NOTES:

1. ALL SIZES OF PROPOSED STORM SEWER ARE PRELIMINARY.
2. ALL PROPOSED STORM SEWER TO BE RCP CL IV.
3. ALL SEWERS INSTALLED BELOW OR WITHIN 3' OF PAVEMENT SHALL INCLUDE TRENCH BACKFILL.
4. PROPOSED DRAINTILE TO BE 6" PERFORATED PLASTIC PIPE.
5. ANY EXISTING DRAINTILE ENCOUNTERED DURING CONSTRUCTION MUST BE RECONNECTED OR CONNECTED TO THE STORM SEWER SYSTEM. IF THE DRAINTILE IS CRUSHED OR REMOVED ON SITE, IT MUST BE CONNECTED WHERE IT ENTERS THE SITE.
6. EXISTING DRAINTILE LOCATIONS AS SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF EXISTING DRAINTILE PRIOR TO CONSTRUCTION.

7. ALL CONTOUR AND ELEVATIONS ARE FINISHED GRADE.
8. TOPSOIL STRIP ASSUMED 12". TOPSOIL RESPREAD IS 6" IN ALL PERVIOUS AREAS AND 12" IN POND AND SWALE AREAS.
9. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL EROSION CONTROL AND SEDIMENT CONTROL THROUGHOUT CONSTRUCTION INCLUDING ALL REQUIRED MONITORING AND REPORTING. EROSION CONTROL ITEMS WILL INCLUDE, BUT ARE NOT LIMITED TO, SILT FENCE, TEMPORARY SEEDING, CONSTRUCTION ENTRANCE, INLET PROTECTION, LINED APRONS, ETC. DESIGN OF INITIAL EROSION CONTROL PLAN TO BE COMPLETED DURING FINAL DESIGN.
10. ALL SIDE SLOPES SHALL BE COVERED WITH EROSION CONTROL BLANKET.
11. BUILDING PAD THICKNESS ASSUMED TO BE 12", CONCRETE AND STONE.
12. SOIL BORINGS PROVIDED BY TESTING SERVICES CORPORATION.

STORMWATER SUMMARY

EXISTING FLOODPLAIN
100 YR BFE = VARIES (SEE REPORT)

PROPOSED BASIN
TRIBUTARY AREA = ±41.5 ACRES (ON-SITE)
TRIBUTARY AREA = ±3.5 ACRES (FUTURE ROAD)
COMPENSATORY STORAGE REQ'D = 0.0 AC-FT
100 YEAR DETENTION REQ'D = 17.85 AC-FT

TOTAL DETENTION STORAGE REQ'D = 17.85 AC-FT*
TOTAL STORAGE PROV'D = 17.9 AC-FT*

BMP STORAGE REQ'D = 2.5 AC-FT
BMP STORAGE PROV'D = 2.5 AC-FT*

*BMP VOLUME IS PROVIDED WITHIN TOTAL STORAGE AMOUNT. TOTAL STORAGE PROVIDED IS BASED ON BASIN DRAINING IN 48 HRS AFTER EACH STORM EVENT TO MEET FAA REQUIREMENTS.

NOTES:

DETENTION BASIN TO BE DRY IN COOPERATION WITH FAA REQUIREMENTS.

DETENTION BASIN VOLUME SIZED TO MEET THE FAA DRAINDOWN REQUIREMENTS AND TO IMPROVE AND NOT IMPACT DOWNSTREAM PROPERTIES.

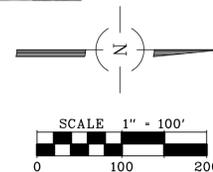
INFILTRATION DESIGN TO BE SIZED FOR BASIN TO PROMOTE AN ACCELERATED DRAINDOWN REQUIREMENTS IN COOPERATION WITH MEETING FAA REQUIREMENTS.

WILL COUNTY 100 YEAR RELEASE RATE ALLOWED = 6.75 CFS
FAA REQUIRED RELEASE TO DRAIN IN 48 HOURS = 11.9 CFS*
DETENTION BASIN SIZING RELEASE RATE = 0.27 CFS/ACRE*

*VILLAGE ENFORCEMENT OFFICER TO ALLOW VARIANCE TO WILL COUNTY WATER ORDINANCE. THIS VARIANCE IS INCLUDED IN THE ANNEXATION AGREEMENT AND A NECESSITY TO MEET FAA REGULATIONS.



EXISTING AIRPORT PROPERTY



NO.	DATE	REMARKS

NO.	DATE	REMARKS

PRELIMINARY STORMWATER MANAGEMENT PLAN

AIRPORT ROAD INDUSTRIAL
 ROMEIOVILLE, IL

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

 9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 676-4060 Fax: (847) 676-4065



FILENAME:
7409.02P-GR

DATE:
12/1/15

JOB NO.
7409.02

SHEET
P-GR
1 OF 1